

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059830.D
 Acq On : 20 Aug 2018 14:23
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 8/21/2018 10:24:47 AM

Quant Time: Aug 21 04:28:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1086276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1551193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1230561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	521412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	787292	89.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.70%	
35) Dibromofluoromethane	5.50	113	1099282	95.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.04%	
50) Toluene-d8	8.67	98	2871962	91.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.38%	
62) 4-Bromofluorobenzene	11.91	95	1025446	84.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	898562	96.30	ug/l	99
3) Chloromethane	1.46	50	734123	94.88	ug/l	97
4) Vinyl Chloride	1.54	62	632114	100.81	ug/l	98
5) Bromomethane	1.76	94	66290	78.44	ug/l	92
6) Chloroethane	1.85	64	126658	80.72	ug/l	91
7) Trichlorofluoromethane	2.06	101	603958	92.21	ug/l	99
8) Diethyl Ether	2.31	74	136580	94.77	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	374108	91.21	ug/l	98
10) Methyl Iodide	2.66	142	487584	114.98	ug/l	93
11) Tert butyl alcohol	3.23	59	131455	402.00	ug/l	95
12) 1,1-Dichloroethene	2.51	96	282869	88.18	ug/l	96
13) Acrolein	2.44	56	159426	517.34	ug/l	95
14) Allyl chloride	2.88	41	789114	92.79	ug/l	99
15) Acrylonitrile	3.33	53	645252	436.95	ug/l	98
16) Acetone	2.58	43	734528	497.71	ug/l	100
17) Carbon Disulfide	2.72	76	1079241	100.50	ug/l	100
18) Methyl Acetate	2.89	43	280092	86.98	ug/l	98
19) Methyl tert-butyl Ether	3.37	73	1705223	90.64	ug/l	98
20) Methylene Chloride	3.03	84	338518	67.68	ug/l	94
21) trans-1,2-Dichloroethene	3.35	96	789274	87.99	ug/l	98
22) Diisopropyl ether	4.03	45	3974572	90.81	ug/l	95
23) Vinyl Acetate	3.97	43	10287330	435.19	ug/l	100
24) 1,1-Dichloroethane	3.92	63	1773863	92.70	ug/l	99
25) 2-Butanone	4.79	43	2205293	497.63	ug/l	98
26) 2,2-Dichloropropane	4.74	77	1330440	87.64	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	1071271	92.81	ug/l	99
28) Bromochloromethane	5.10	49	849431	86.60	ug/l	94
29) Tetrahydrofuran	5.14	42	1025842	461.53	ug/l	99
30) Chloroform	5.28	83	1806663	95.86	ug/l	100
31) Cyclohexane	5.54	56	1583718	90.57	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	1525050	95.86	ug/l	99
36) 1,1-Dichloropropene	5.70	75	1209493	90.64	ug/l	99
37) Ethyl Acetate	4.87	43	875038	90.12	ug/l	98
38) Carbon Tetrachloride	5.68	117	1234061	93.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	1401302	98.79	ug/l	99
40) Benzene	5.97	78	3294699	95.64	ug/l	98
41) Methacrylonitrile	5.08	41	427955	85.59	ug/l	98
42) 1,2-Dichloroethane	6.08	62	1092875	98.78	ug/l	100
43) Isopropyl Acetate	7.58	43	1268423	95.21	ug/l #	98
44) Trichloroethene	6.94	130	1022404	100.71	ug/l	97
45) 1,2-Dichloropropane	7.30	63	984075	98.54	ug/l	100
46) Dibromomethane	7.42	93	616844	99.41	ug/l	92
47) Bromodichloromethane	7.70	83	1329079	96.52	ug/l	99
48) Methyl methacrylate	7.46	41	728014	97.71	ug/l	98
49) 1,4-Dioxane	7.45	88	128787	2074.90	ug/l	96
51) 4-Methyl-2-Pentanone	8.56	43	4367531	476.67	ug/l	99
52) Toluene	8.76	92	2056367	94.09	ug/l	100
53) t-1,3-Dichloropropene	9.14	75	1204871	96.08	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	1449275	96.27	ug/l	100
55) 1,1,2-Trichloroethane	9.41	97	723247	92.97	ug/l	98
56) Ethyl methacrylate	9.27	69	843581	94.35	ug/l	96
57) 1,3-Dichloropropane	9.63	76	1092932	96.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.15	63	1939417	422.35	ug/l	99
59) 2-Hexanone	9.74	43	3362621	498.27	ug/l	98
60) Dibromochloromethane	9.92	129	979920	98.00	ug/l	99
61) 1,2-Dibromoethane	10.06	107	815173	98.52	ug/l	100
64) Tetrachloroethene	9.47	164	894861	99.02	ug/l	98
65) Chlorobenzene	10.69	112	2251664	94.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	712676	86.20	ug/l	97
67) Ethyl Benzene	10.83	91	3171802	80.78	ug/l	99
68) m/p-Xylenes	10.98	106	2349232	163.33	ug/l	99
69) o-Xylene	11.38	106	1231835	87.66	ug/l	96
70) Styrene	11.41	104	2090350	85.83	ug/l	99
71) Bromoform	11.57	173	721793	99.88	ug/l #	97
73) Isopropylbenzene	11.75	105	3250727	91.40	ug/l	98
74) N-amyl acetate	11.62	43	1556913	99.01	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.05	83	841473	102.91	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	836160	98.14	ug/l	99
77) Bromobenzene	12.02	156	976758	98.92	ug/l	91
78) n-propylbenzene	12.13	91	3926314	87.87	ug/l	99
79) 2-Chlorotoluene	12.19	91	2341033	91.75	ug/l	95
80) 1,3,5-Trimethylbenzene	12.29	105	2079590	77.96	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	275748	104.63	ug/l	92
82) 4-Chlorotoluene	12.30	91	2018516	76.09	ug/l	98
83) tert-Butylbenzene	12.55	119	2519807m	80.38	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	2639759	89.41	ug/l	97
85) sec-Butylbenzene	12.74	105	3366360	89.50	ug/l	99
86) p-Isopropyltoluene	12.86	119	2535061	85.86	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1560763	93.75	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	1532887	91.51	ug/l	96
89) n-Butylbenzene	13.18	91	2134672	72.07	ug/l	99
90) Hexachloroethane	13.38	117	810770	97.21	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	991360	73.13	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.75	75	125165	103.32	ug/l	80

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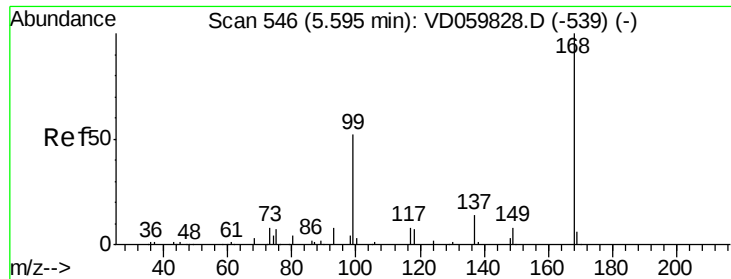
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	1092410	90.30	ug/l	99
94) Hexachlorobutadiene	14.41	225	785545	97.73	ug/l	99
95) Naphthalene	14.49	128	2002818	103.78	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	995683	94.81	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

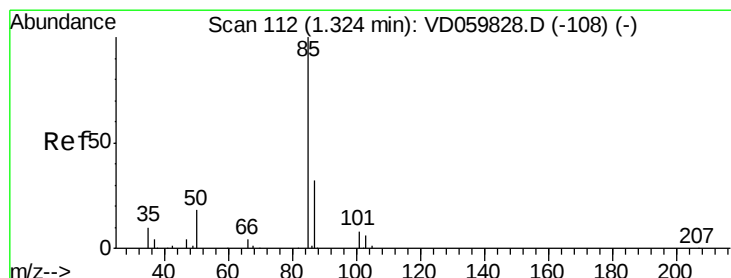
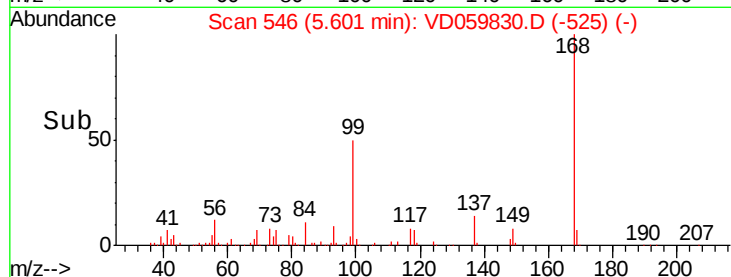
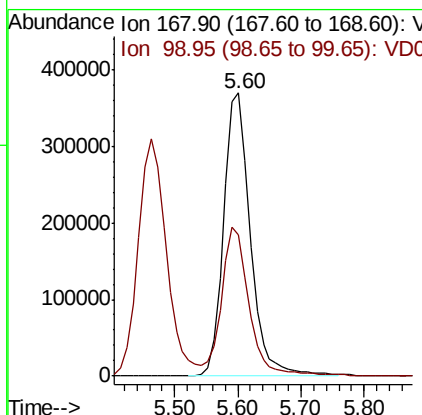
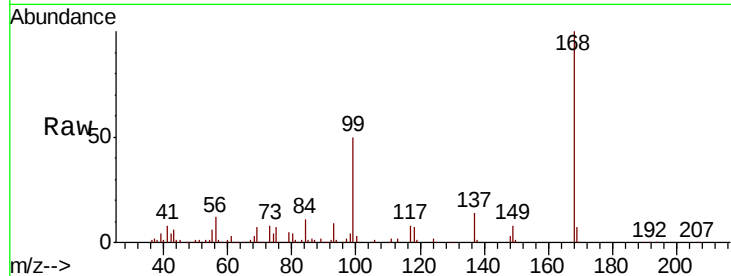
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:168 Resp: 1086276
 Ion Ratio Lower Upper
 168 100
 99 50.0 43.6 65.4

Manual Integrations
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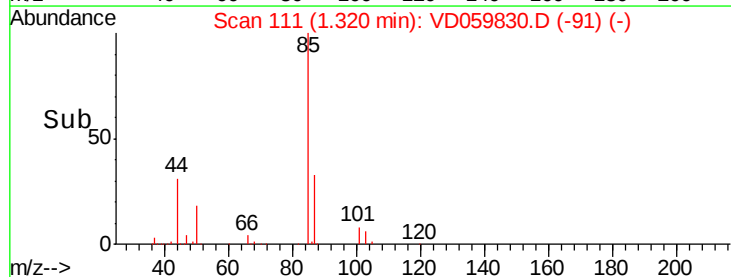
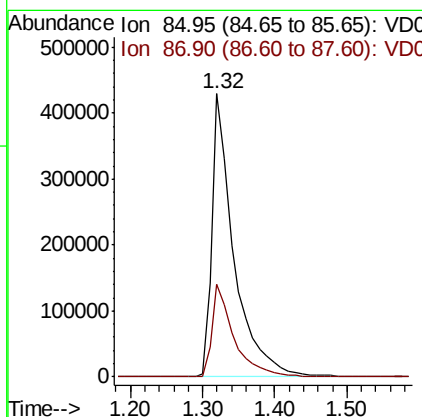
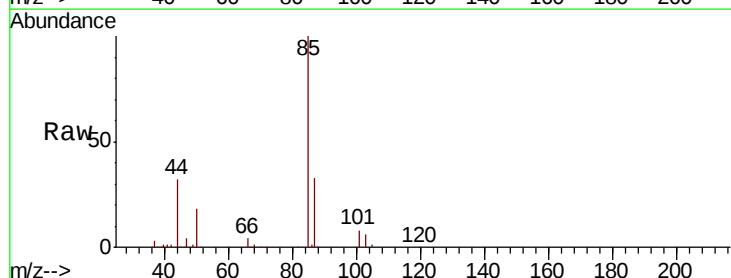
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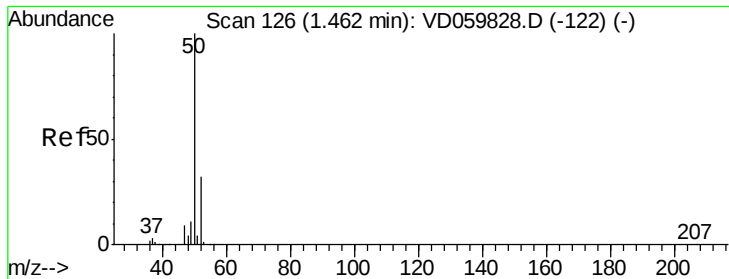


#2

Dichlorodifluoromethane
 Concen: 96.30 ug/l
 RT: 1.32 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 85 Resp: 898562
 Ion Ratio Lower Upper
 85 100
 87 32.9 16.1 48.3





#3

Chloromethane

Concen: 94.88 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 734123

Ion Ratio Lower Upper

50 100

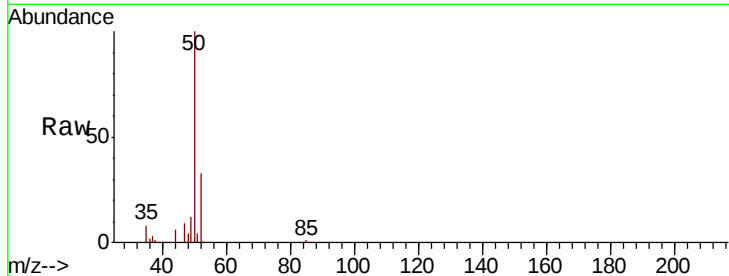
52 33.3 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.46

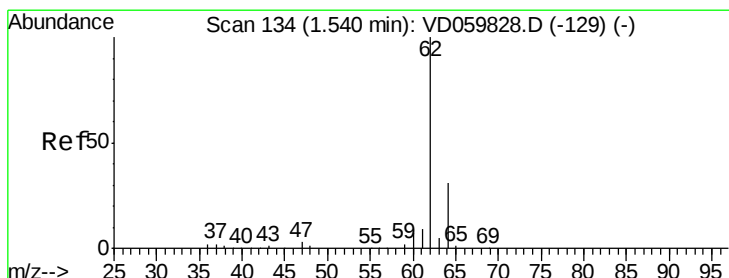
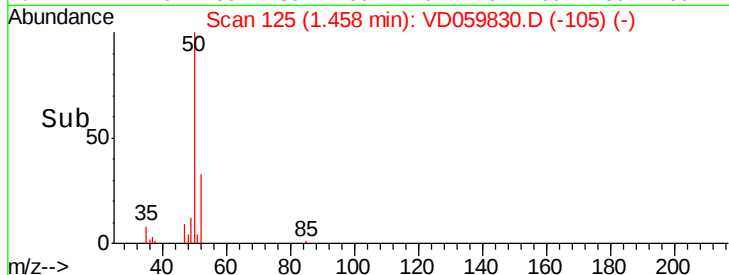
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 100.81 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059830.D

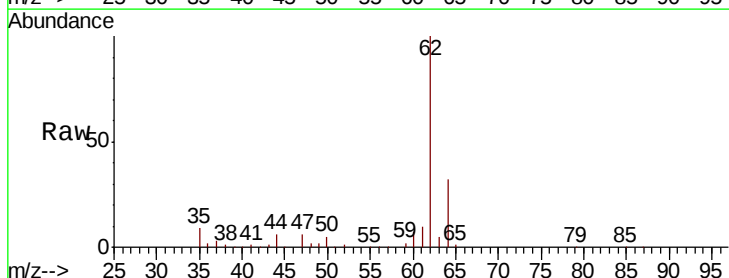
Acq: 20 Aug 2018 14:23

Tgt Ion: 62 Resp: 632114

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.54

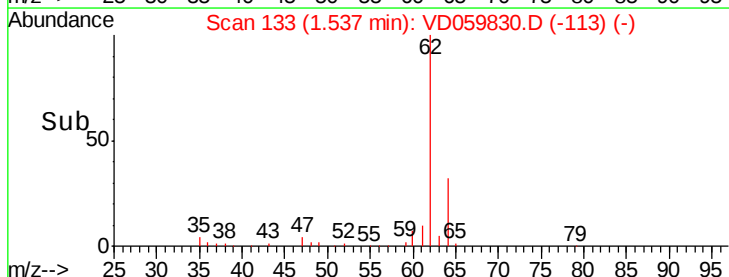
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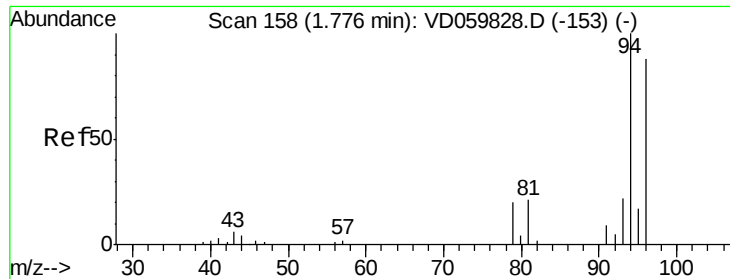
200000

100000

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Time-->





#5

Bromomethane

Concen: 78.44 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 66290

Ion Ratio Lower Upper

94 100

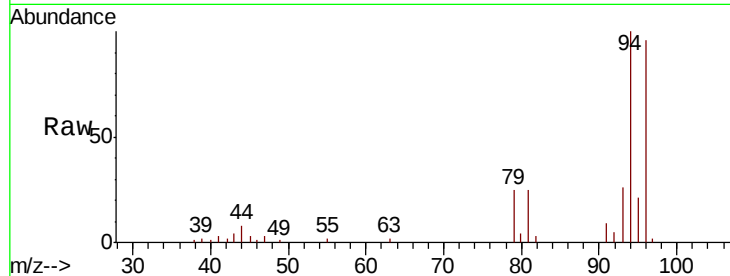
96 95.9 70.8 106.2

Manual Integrations

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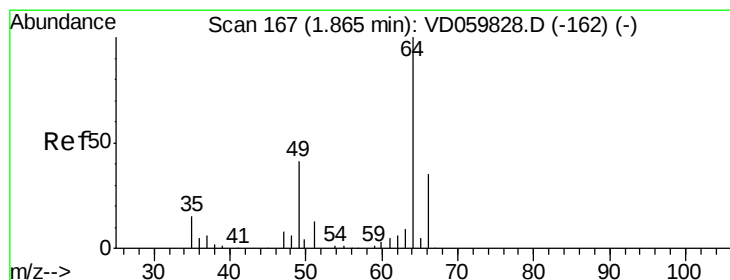
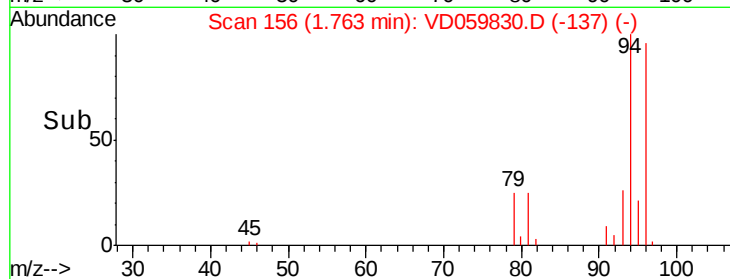
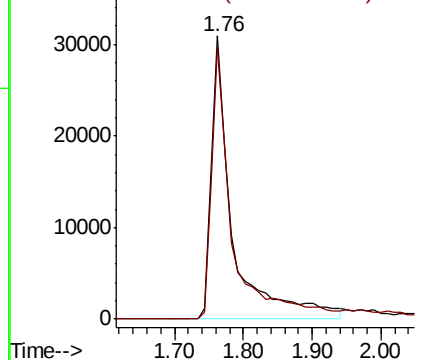
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.72 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059830.D

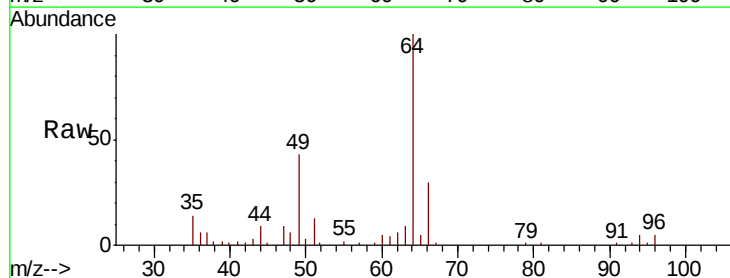
Acq: 20 Aug 2018 14:23

Tgt Ion: 64 Resp: 126658

Ion Ratio Lower Upper

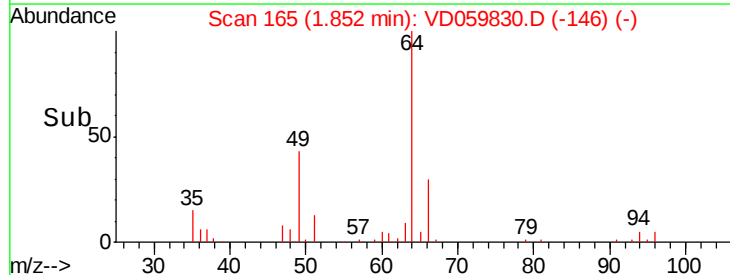
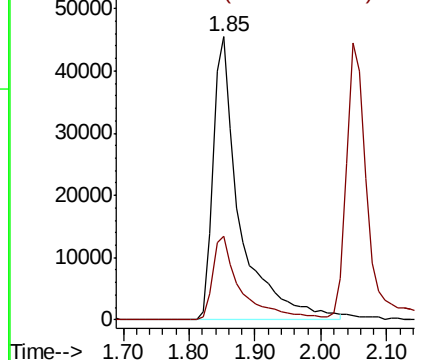
64 100

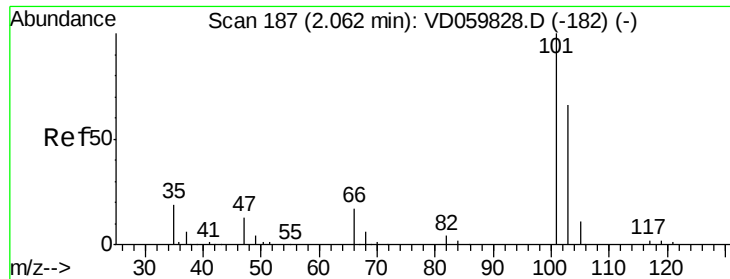
66 29.8 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

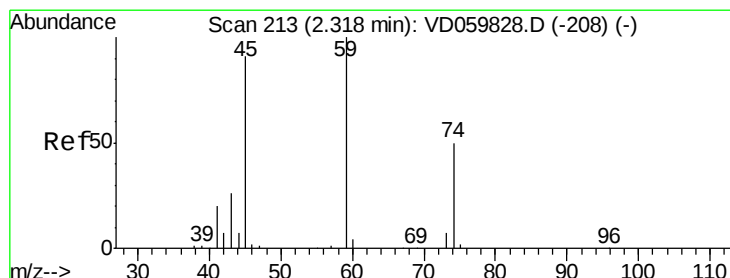
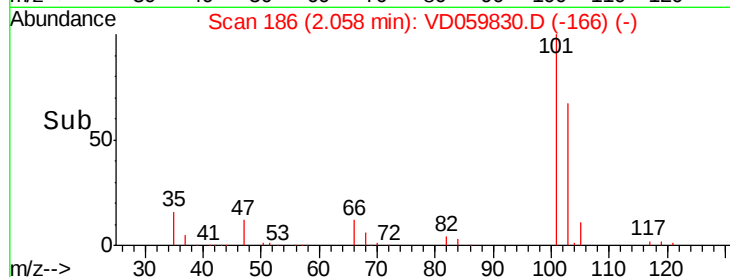
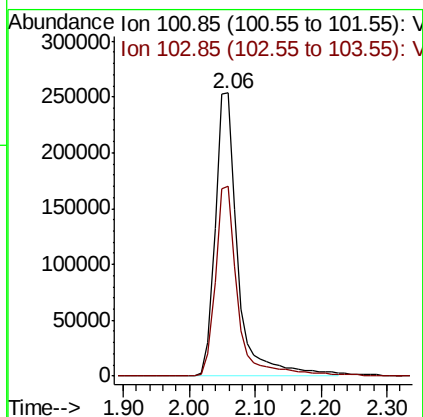
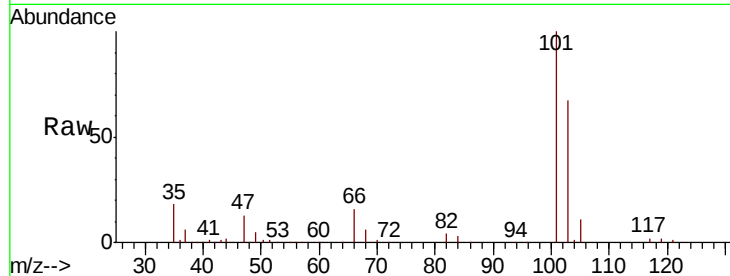
Trichlorofluoromethane
 Concen: 92.21 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

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Tot Ion:101 Resp: 603958
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.0 79.4

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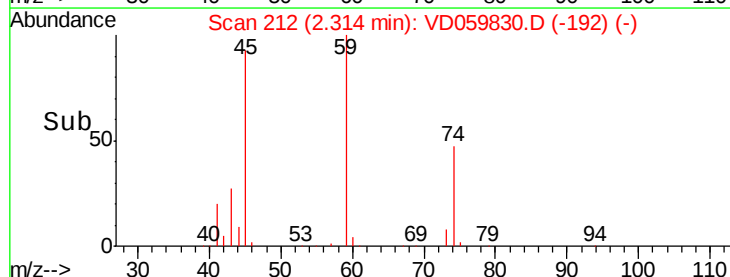
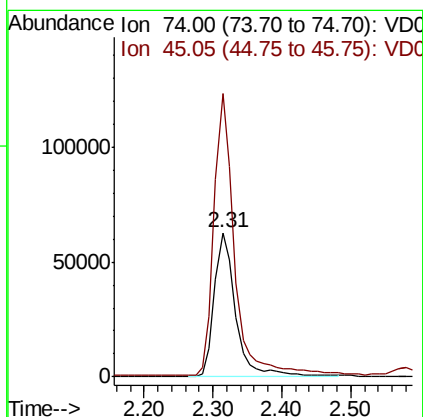
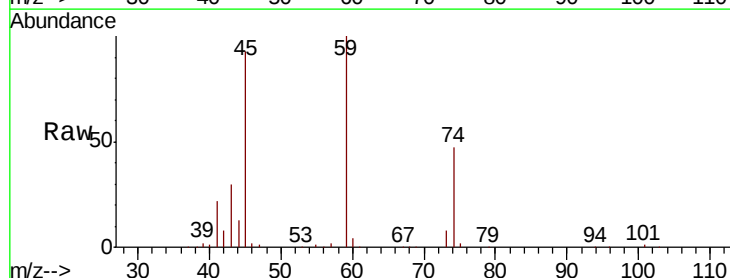
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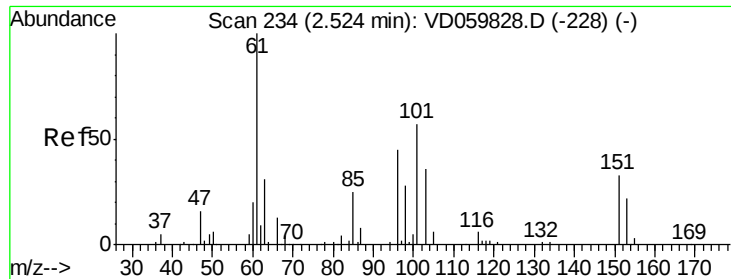


#8

Diethyl Ether
 Concen: 94.77 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 74 Resp: 136580
 Ion Ratio Lower Upper
 74 100
 45 196.2 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.21 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

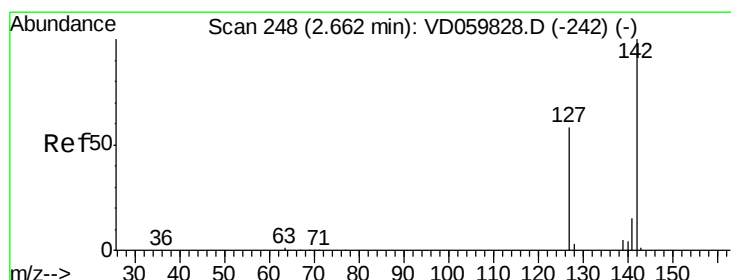
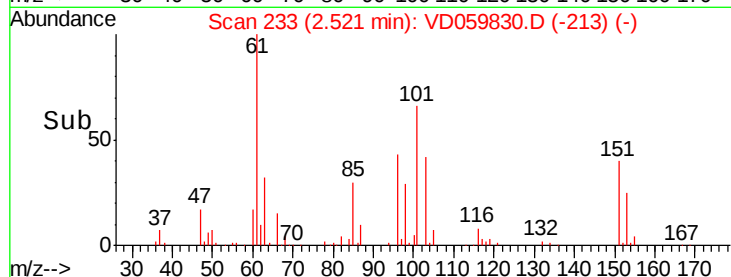
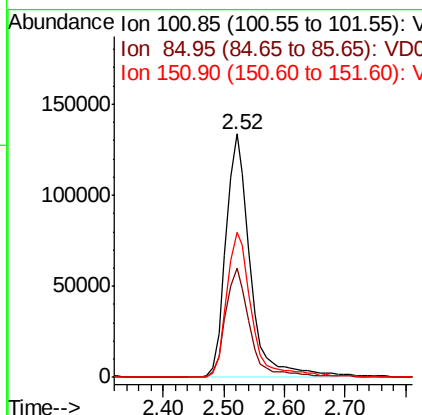
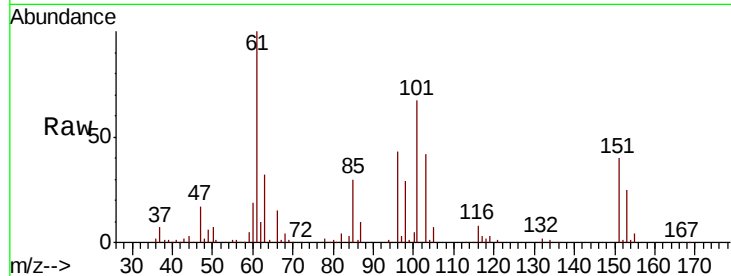
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	374108
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.7	53.5
151	59.5	45.8	68.6

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#10

Methyl Iodide

Concen: 114.98 ug/l

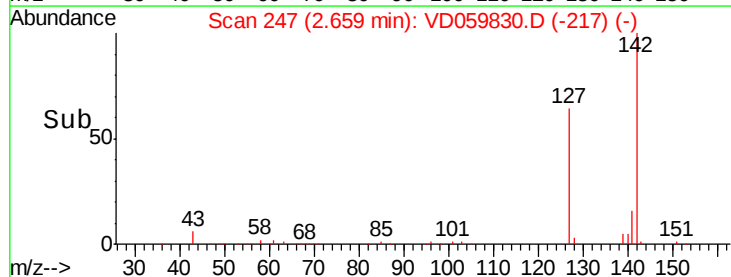
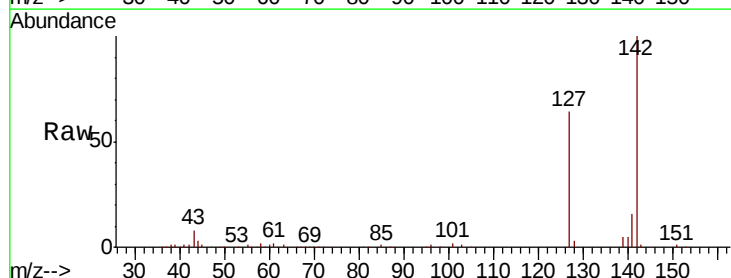
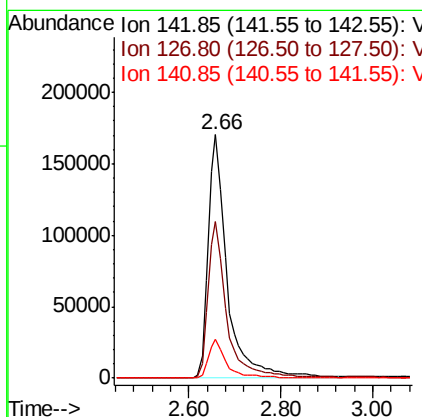
RT: 2.66 min Scan# 247

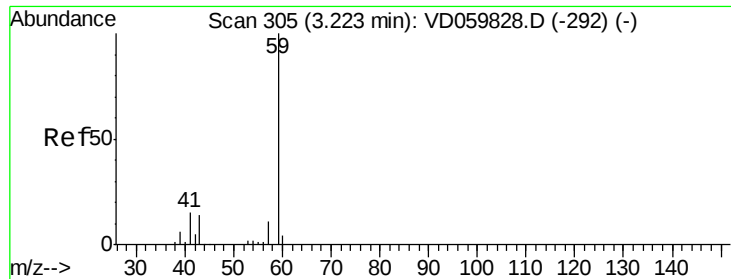
Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion:	142	Resp:	487584
Ion Ratio	Lower	Upper	
142	100		
127	64.1	46.6	69.8
141	16.0	11.7	17.5





#11

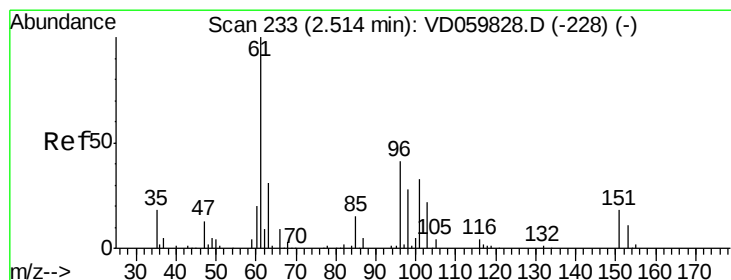
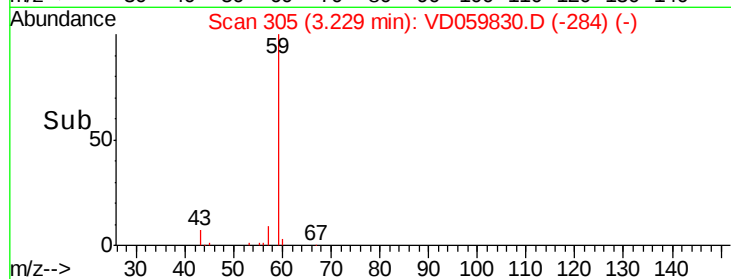
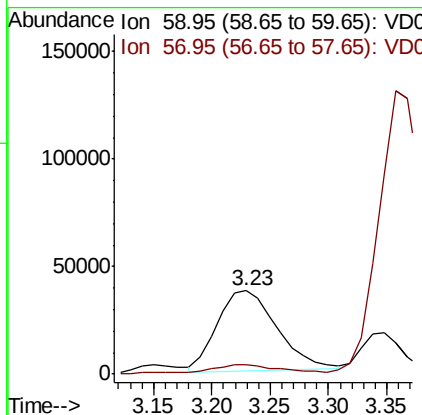
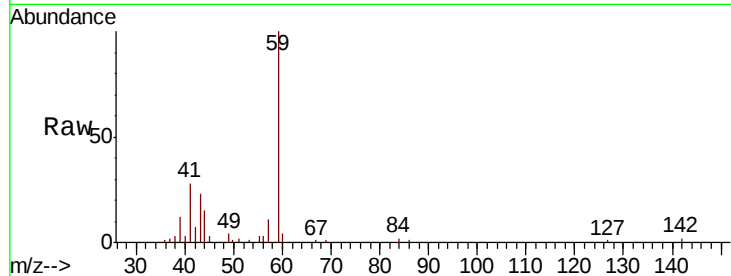
Tert butyl alcohol
Concen: 402.00 ug/l
RT: 3.23 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	10.3	15.5

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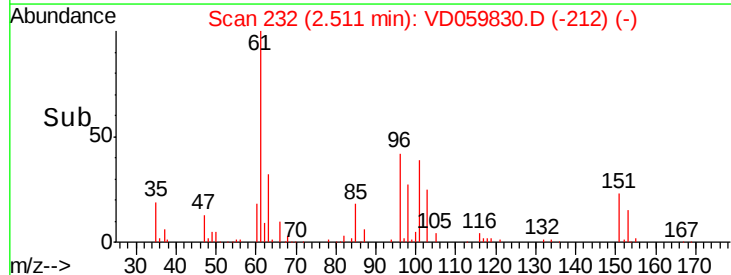
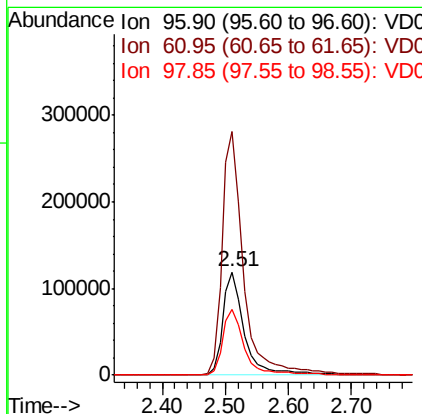
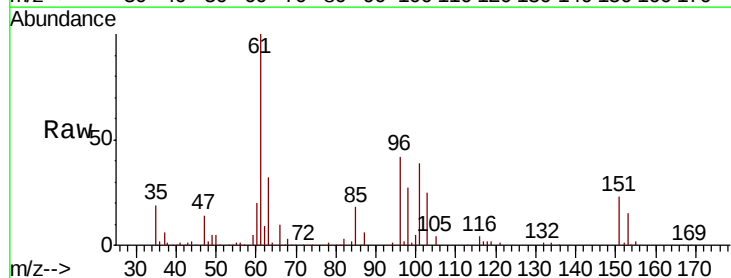
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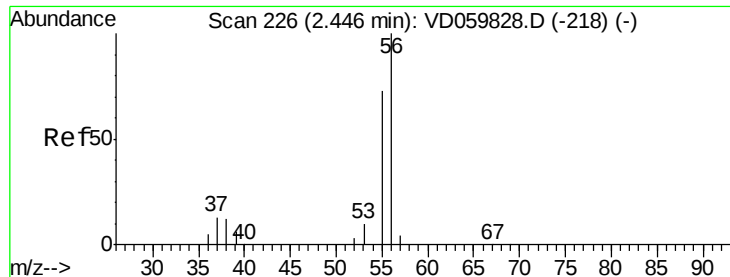


#12

1,1-Dichloroethene
Concen: 88.18 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	235.7	194.0	291.0
98	63.7	53.4	80.0





#13

Acrolein

Concen: 517.34 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 159426

Ion Ratio Lower Upper

56 100

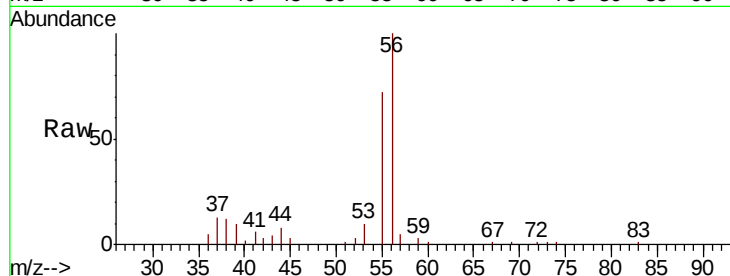
55 71.7 60.4 90.6

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

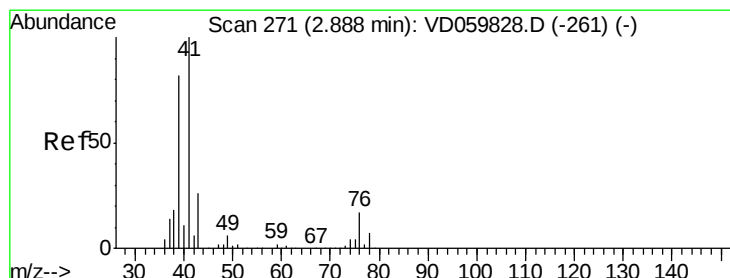
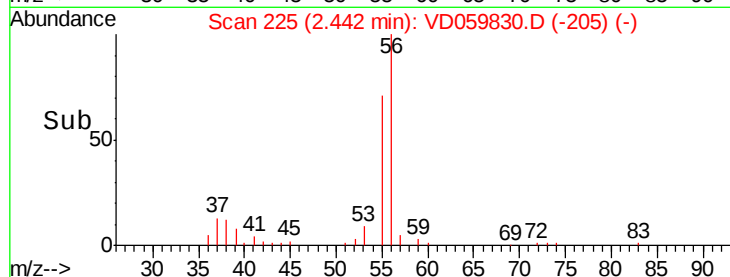
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 92.79 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

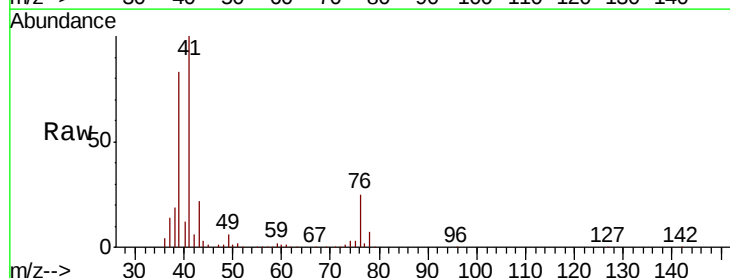
Tgt Ion: 41 Resp: 789114

Ion Ratio Lower Upper

41 100

39 82.9 65.9 98.9

76 24.8 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

600000

500000

400000

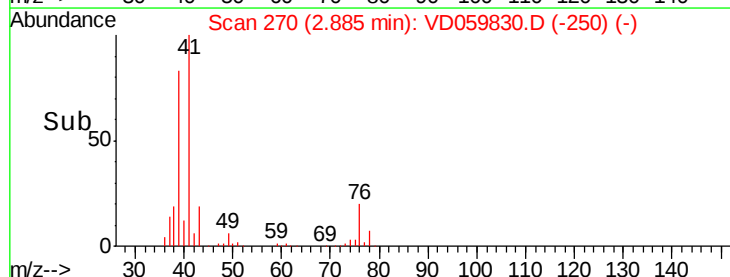
300000

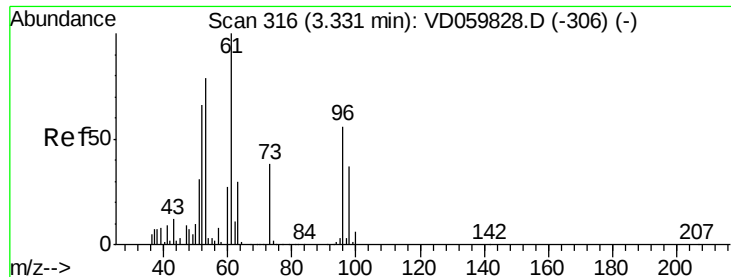
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 436.95 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

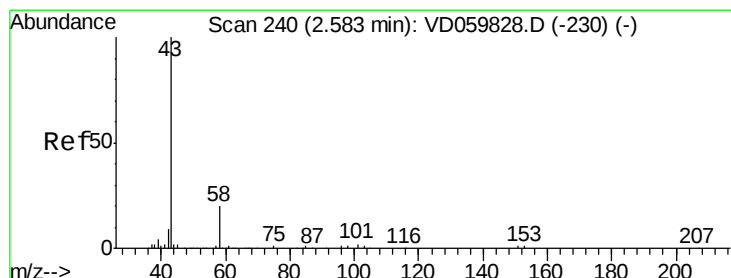
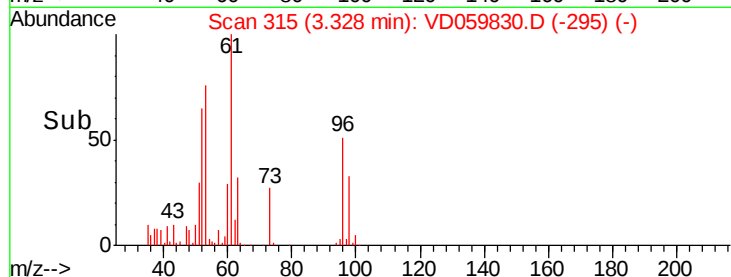
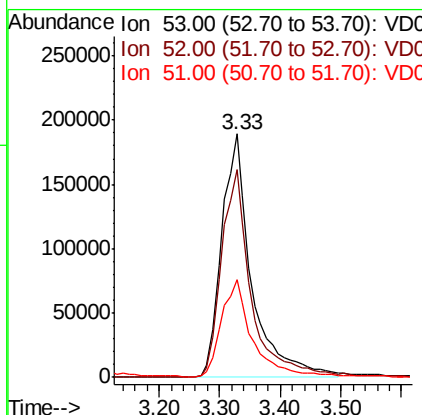
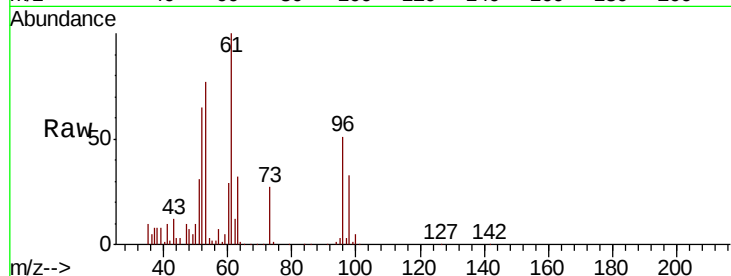
ClientSampleID :

VSTDIC100

Tot Ion:	53	Resp:	645252
Ion Ratio	Lower	Upper	
53	100		
52	85.3	66.8	100.2
51	40.1	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 497.71 ug/l

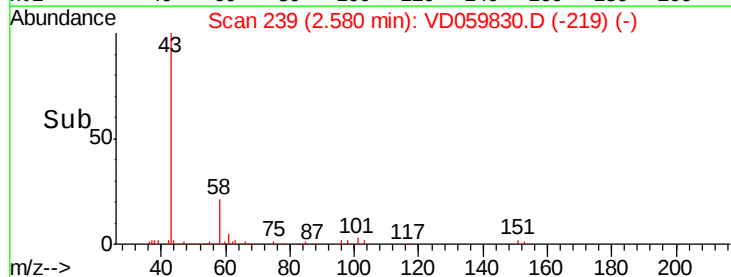
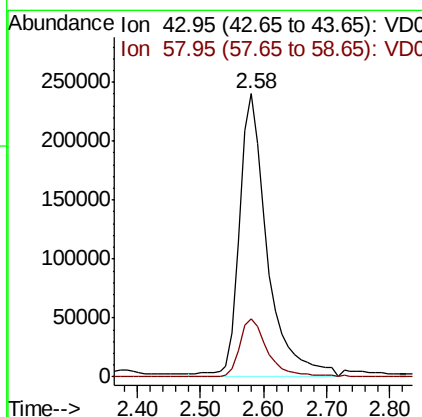
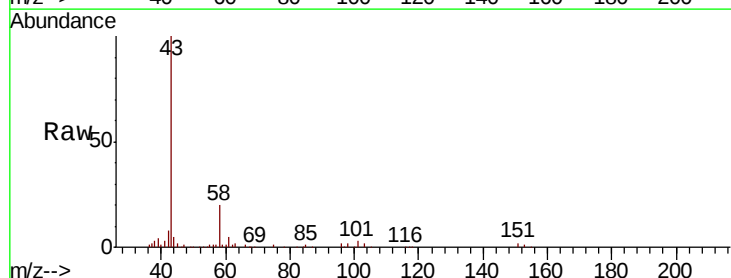
RT: 2.58 min Scan# 239

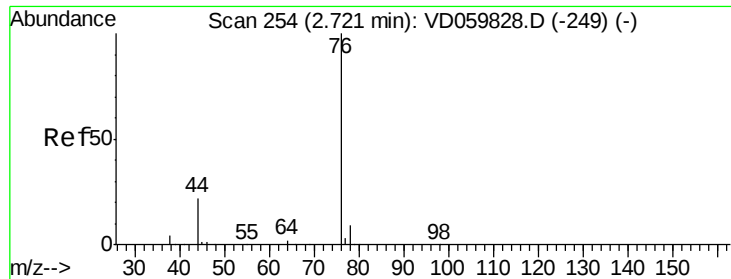
Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion:	43	Resp:	734528
Ion Ratio	Lower	Upper	
43	100		
58	20.4	16.2	24.2





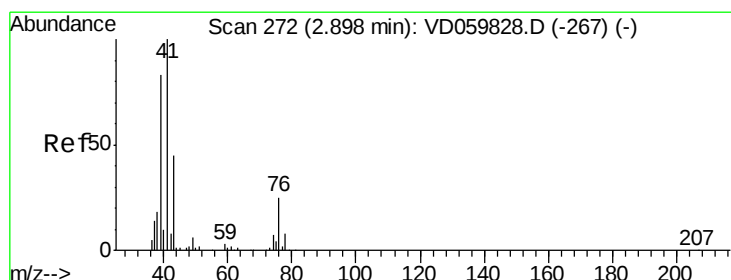
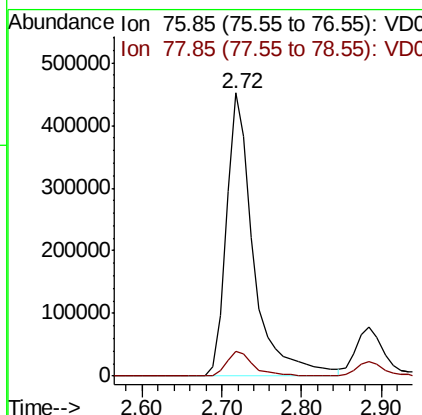
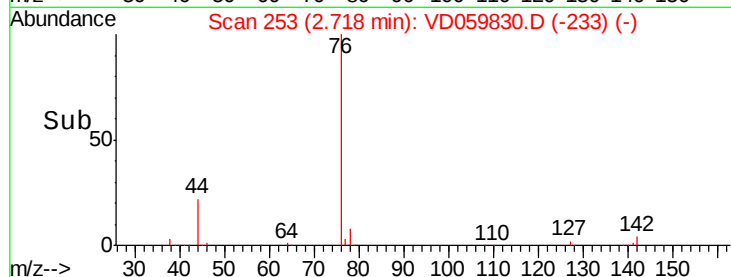
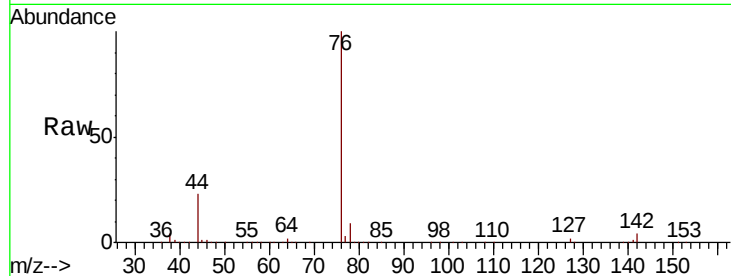
#17
Carbon Disulfide
Concen: 100.50 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1079241
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

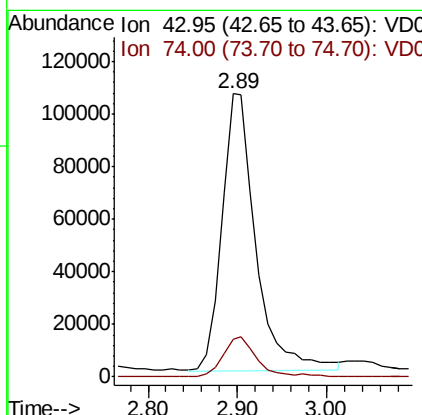
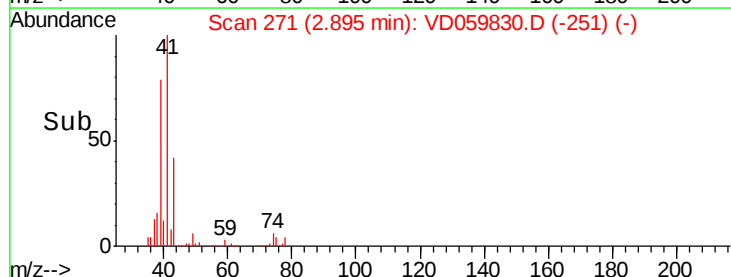
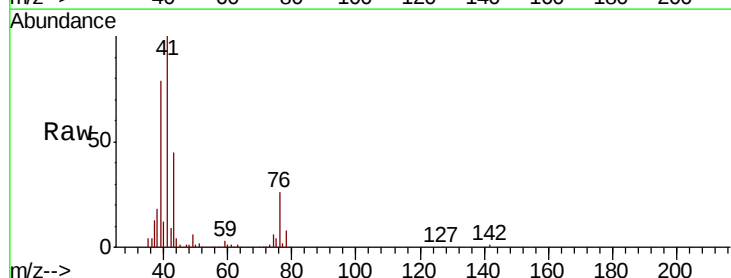
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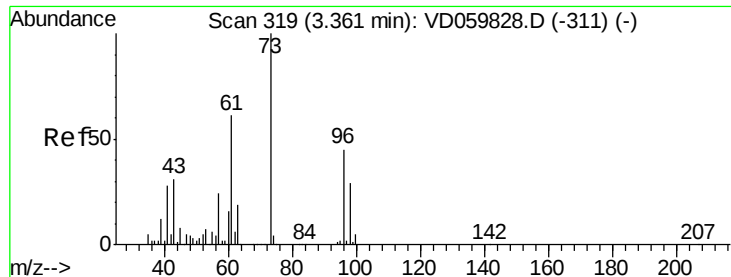
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#18
Methyl Acetate
Concen: 86.98 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 43 Resp: 280092
Ion Ratio Lower Upper
43 100
74 13.4 11.4 17.0





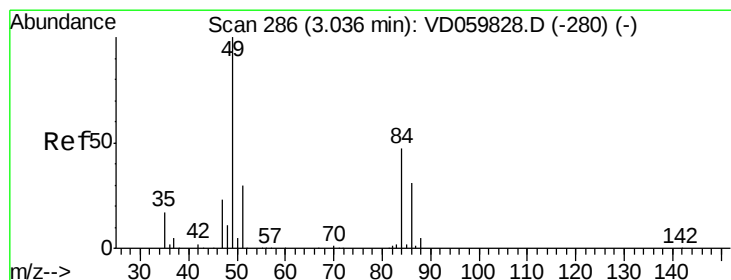
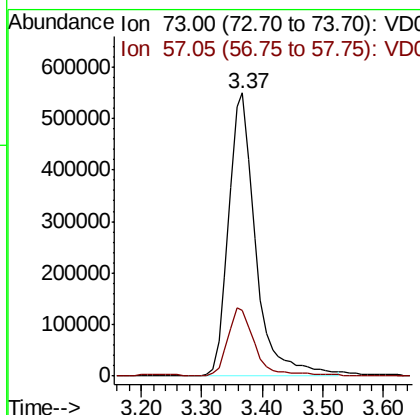
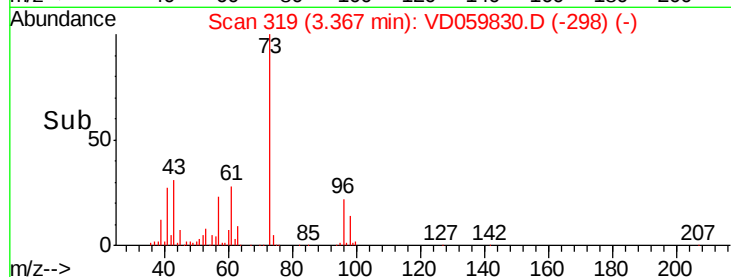
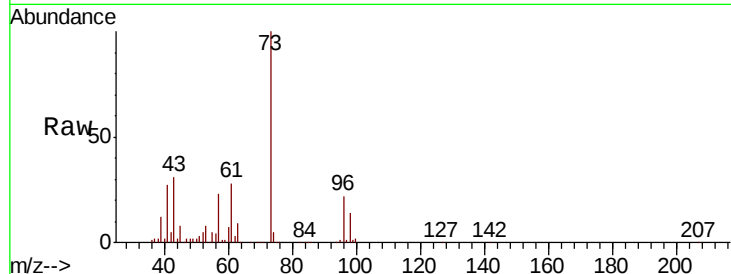
#19
Methvl tert-butvl Ether
Concen: 90.64 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1705223
Ion Ratio Lower Upper
73 100
57 23.4 19.4 29.0

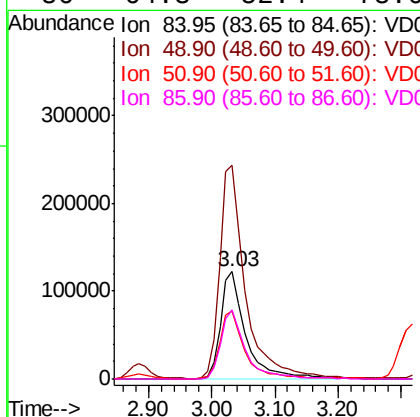
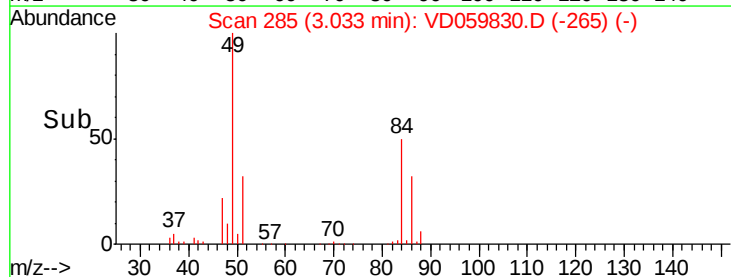
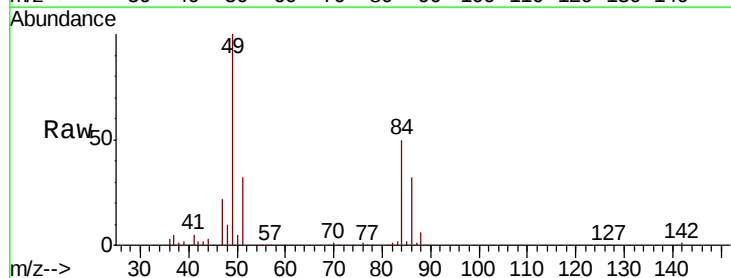
Manual Integrations
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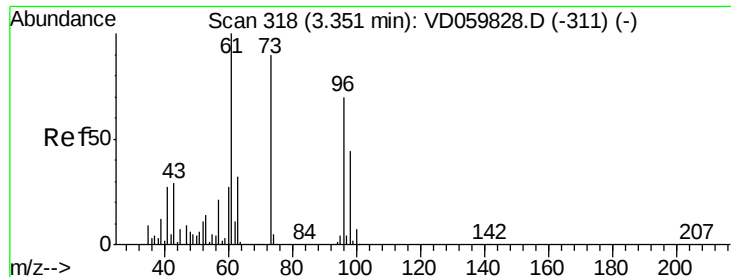
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#20
Methylene Chloride
Concen: 67.68 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 84 Resp: 338518
Ion Ratio Lower Upper
84 100
49 198.9 170.4 255.6
51 62.9 51.4 77.0
86 64.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 87.99 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

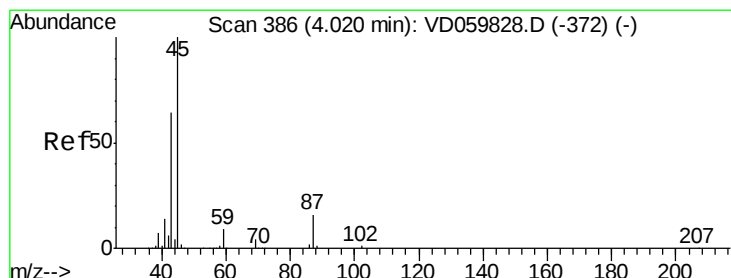
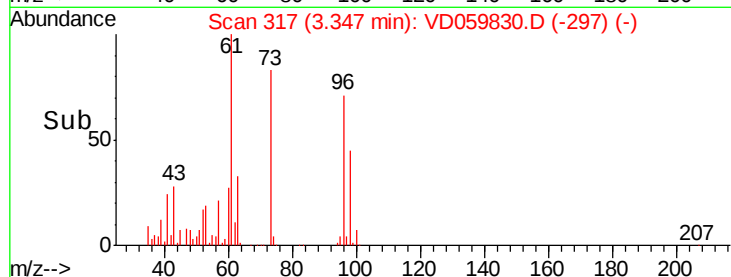
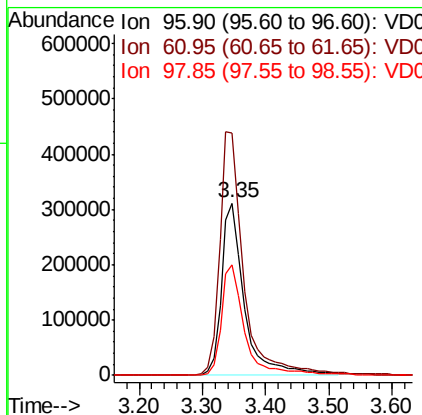
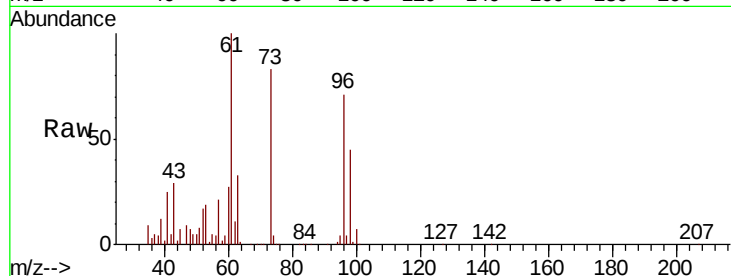
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	789274
Ion	Ratio	Lower	Upper
96	100		
61	140.8	114.1	171.1
98	63.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 90.81 ug/l

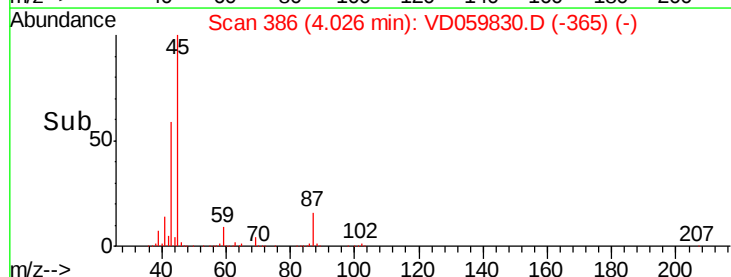
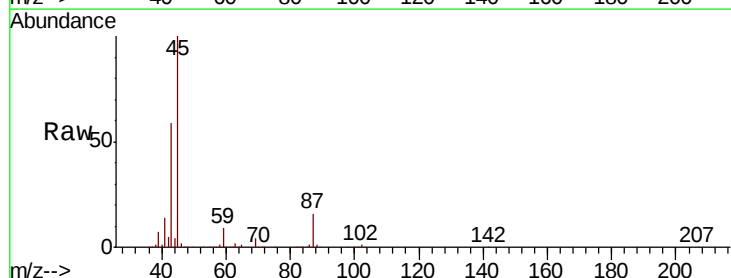
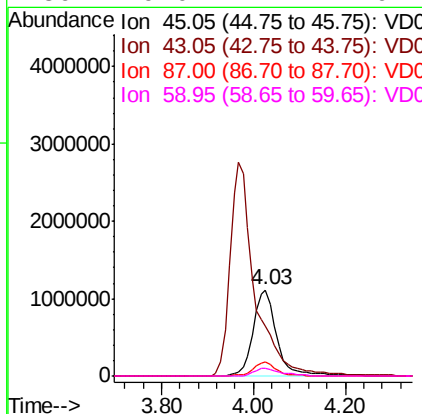
RT: 4.03 min Scan# 386

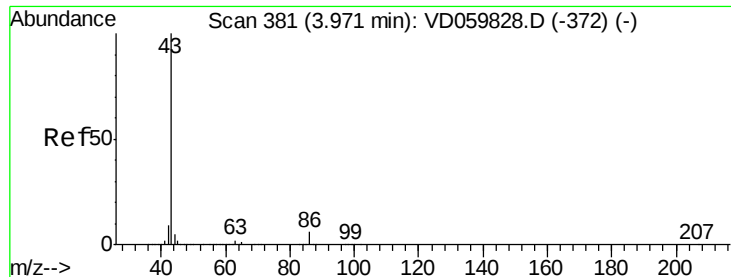
Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion:	45	Resp:	3974572
Ion	Ratio	Lower	Upper
45	100		
43	58.6	51.1	76.7
87	16.4	12.5	18.7
59	9.0	7.1	10.7





#23

Vinyl Acetate

Concen: 435.19 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp:10287330

Ion Ratio Lower Upper

43 100

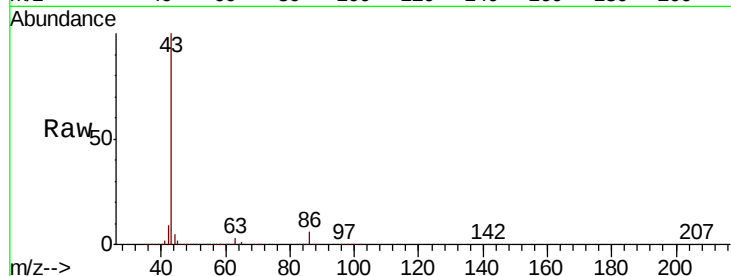
86 5.8 4.6 7.0

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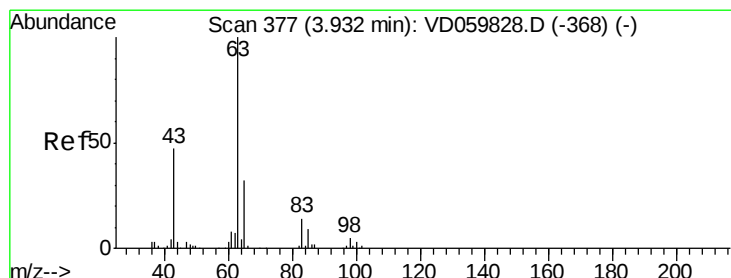
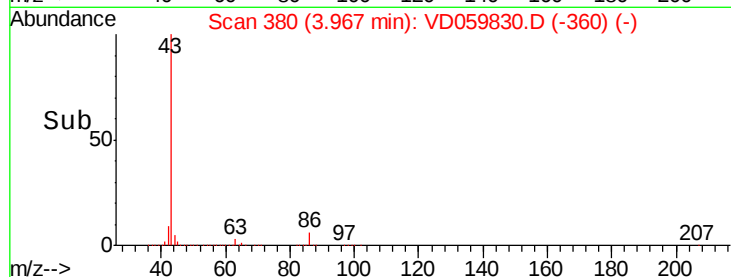
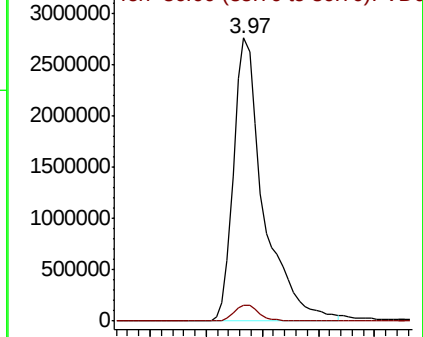
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 92.70 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

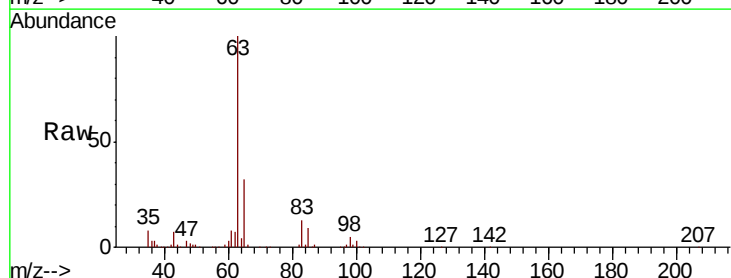
Tgt Ion: 63 Resp: 1773863

Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.6

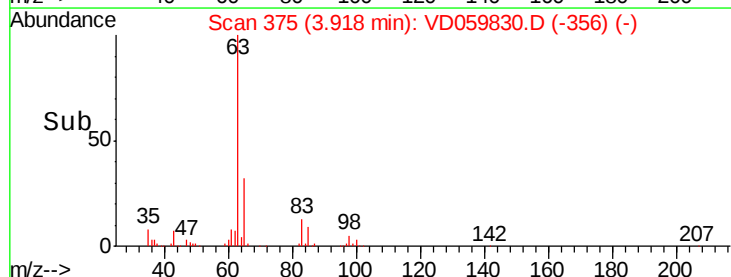
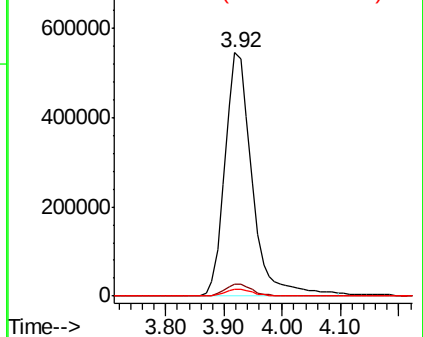
100 3.0 1.7 5.0

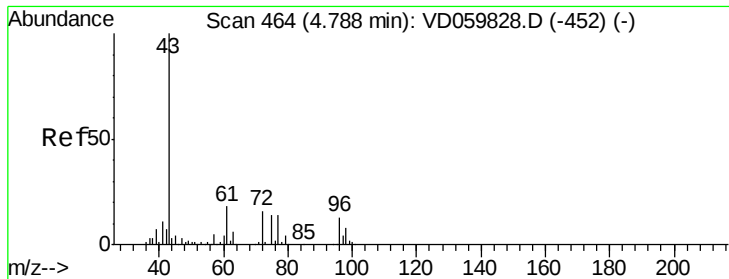


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 497.63 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2205293

Ion Ratio Lower Upper

43 100

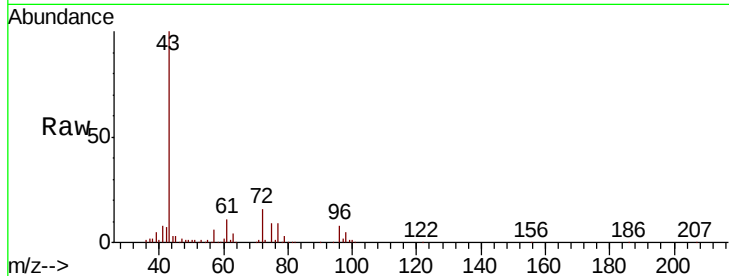
72 16.3 12.4 18.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

800000

600000

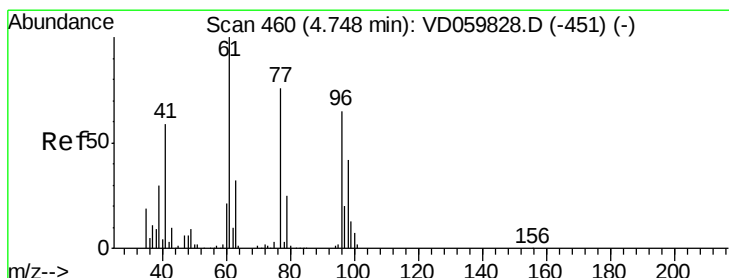
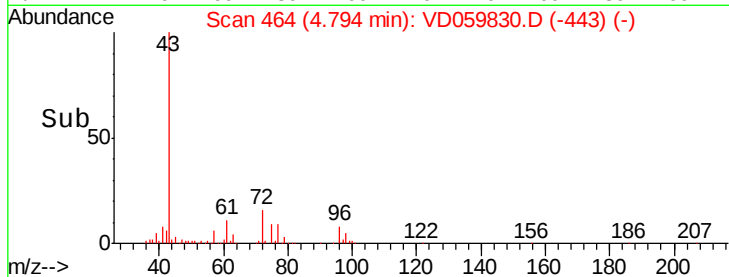
400000

200000

0

4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 87.64 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059830.D

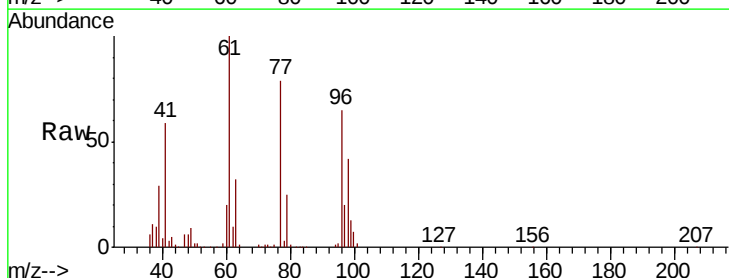
Acq: 20 Aug 2018 14:23

Tgt Ion: 77 Resp: 1330440

Ion Ratio Lower Upper

77 100

97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

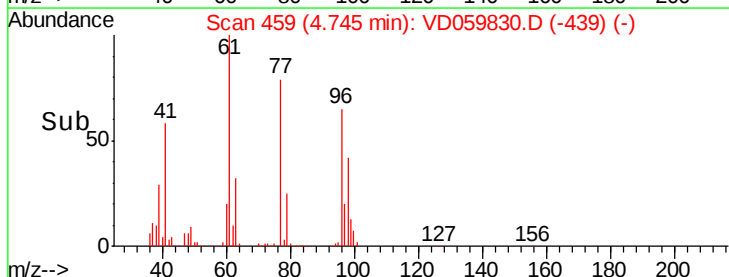
200000

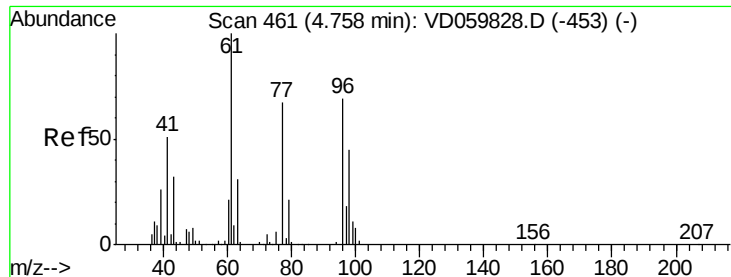
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 92.81 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1071271

Ion Ratio Lower Upper

96 100

61 147.6 0.0 291.8

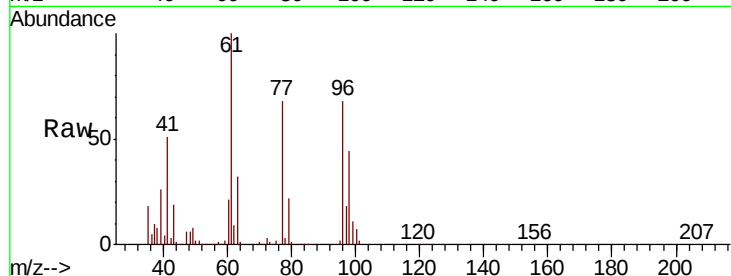
98 65.3 0.0 131.6

Manual Integrations

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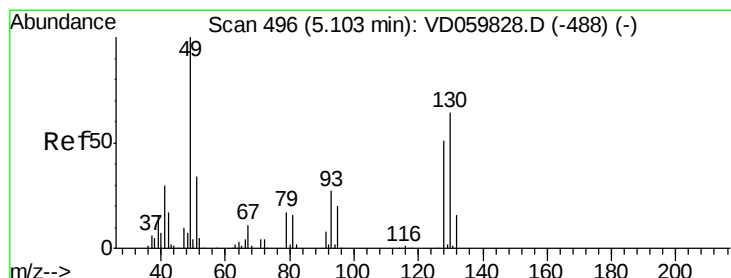
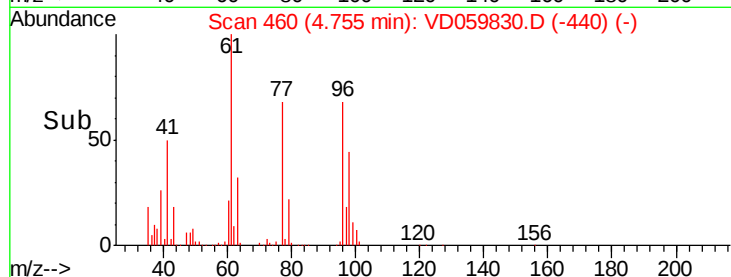
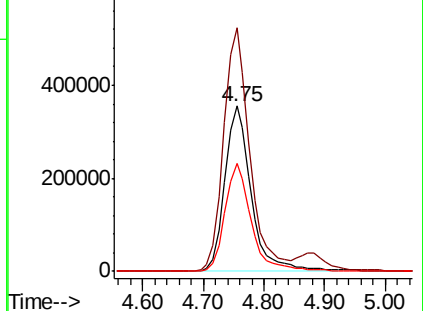
8/21/2018 10:24:47 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 86.60 ug/l

RT: 5.10 min Scan# 495

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

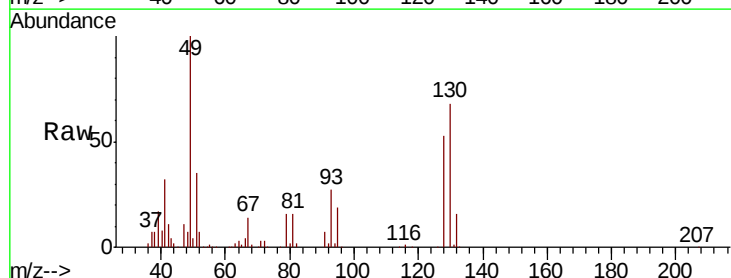
Tgt Ion: 49 Resp: 849431

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

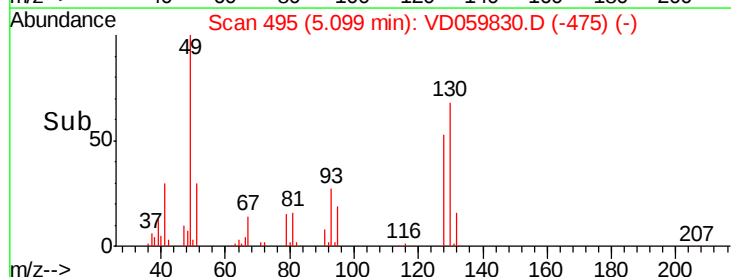
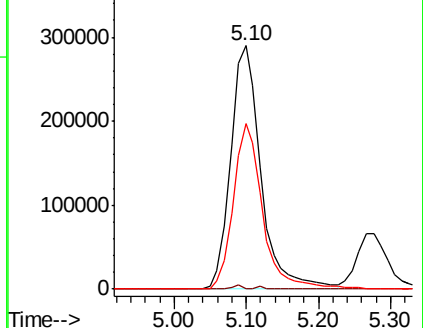
130 68.2 51.0 76.6

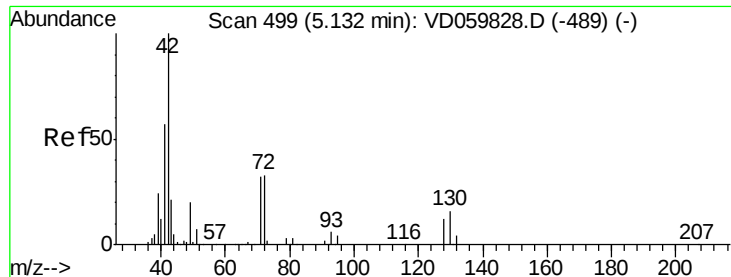


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





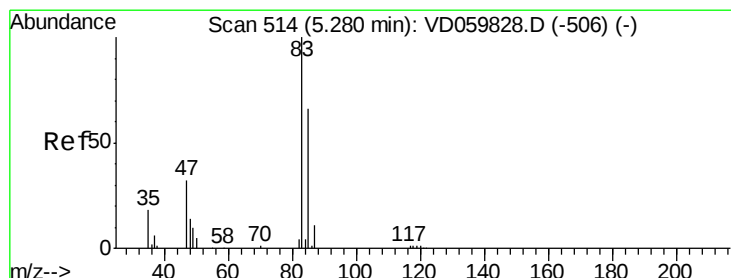
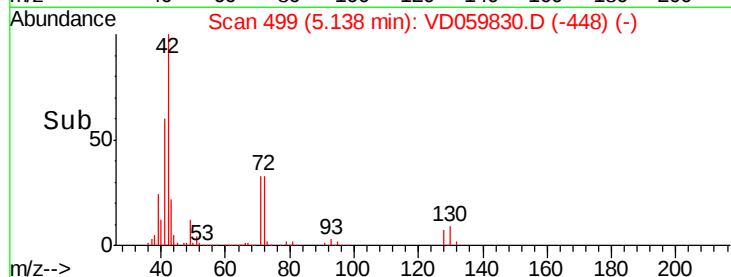
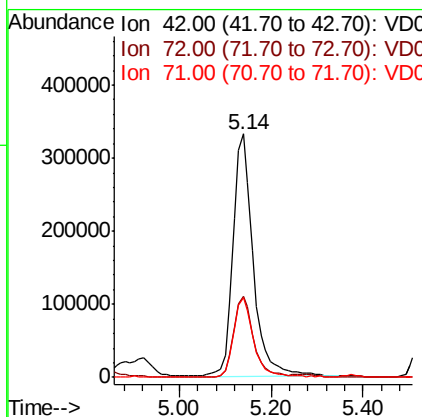
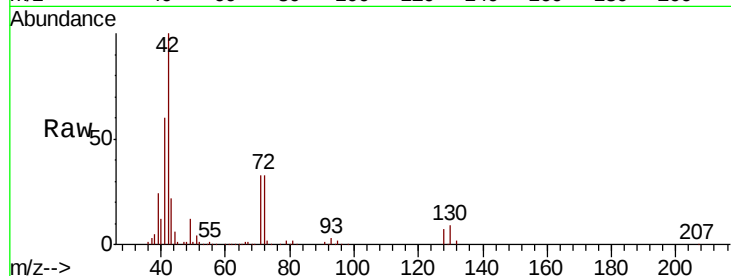
#29
Tetrahydrofuran
Concen: 461.53 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	25.8	38.6
71	32.4	25.7	38.5

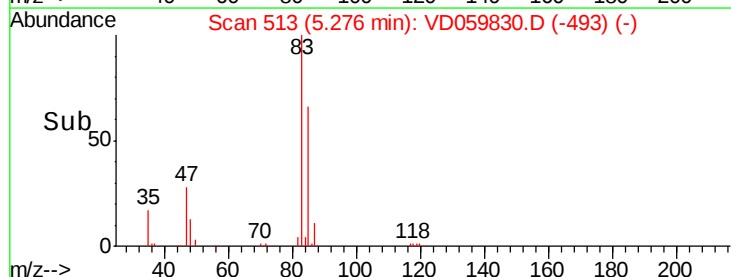
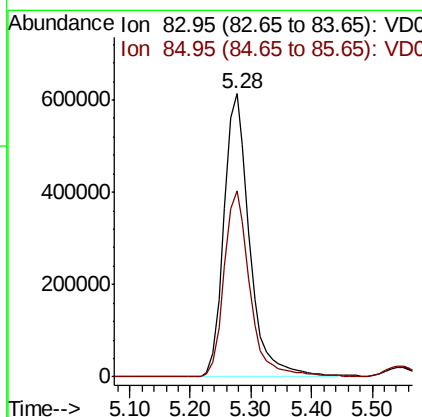
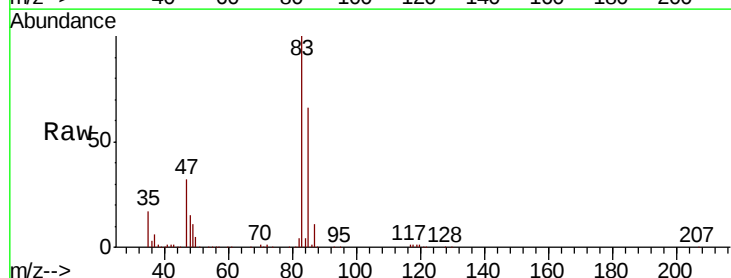
Manual Integrations
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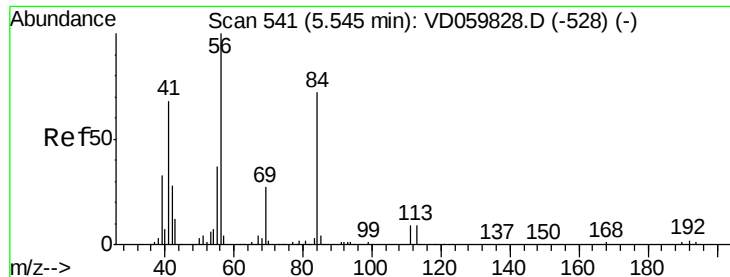
apatel
8/21/2018 10:24:47 AM



#30
Chloroform
Concen: 95.86 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.9	79.3





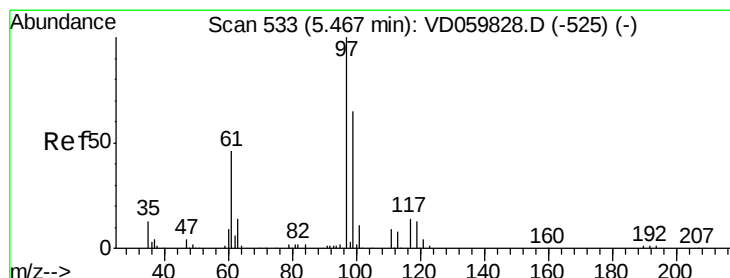
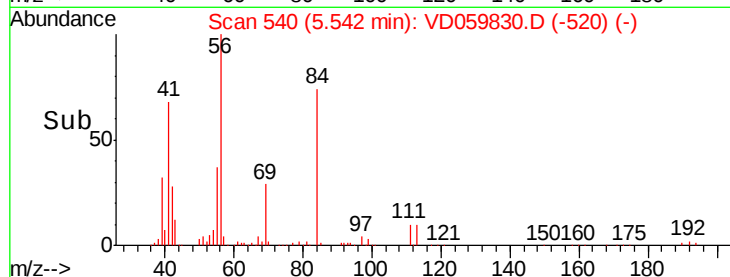
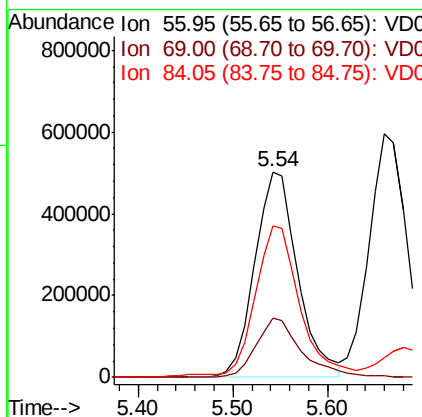
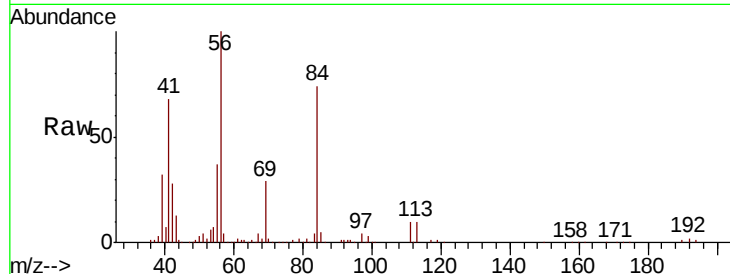
#31
Cyclohexane
Concen: 90.57 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	1583718
Ion	Ratio	Lower	Upper
56	100		
69	28.7	21.7	32.5
84	73.9	57.8	86.6

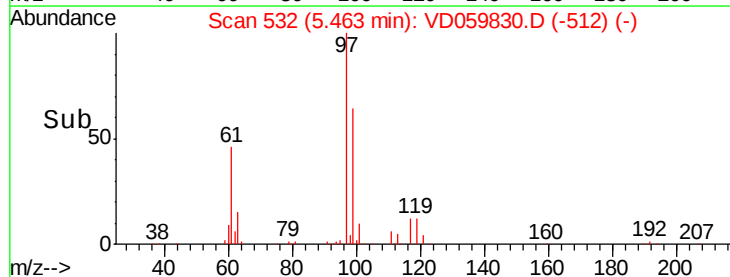
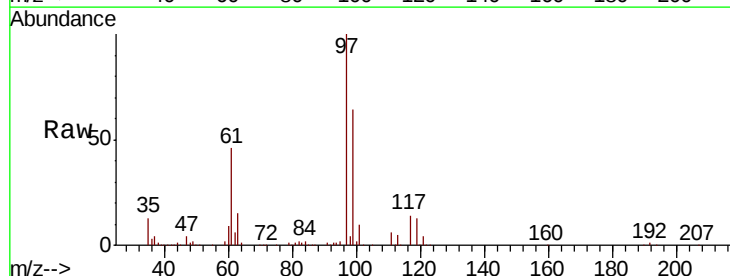
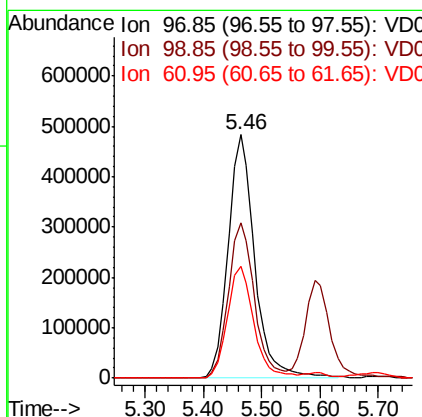
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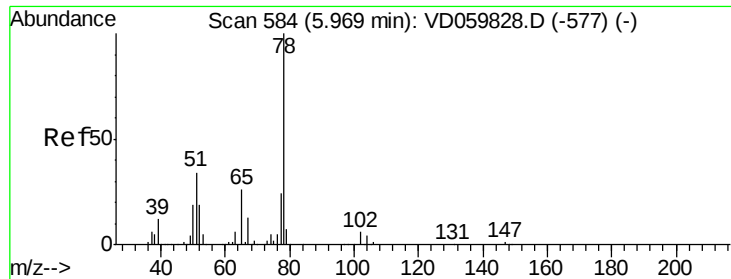
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#32
1,1,1-Trichloroethane
Concen: 95.86 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	97	Resp	1525050
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	45.9	37.0	55.6





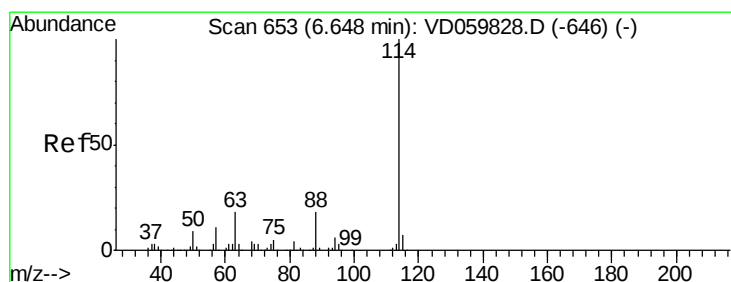
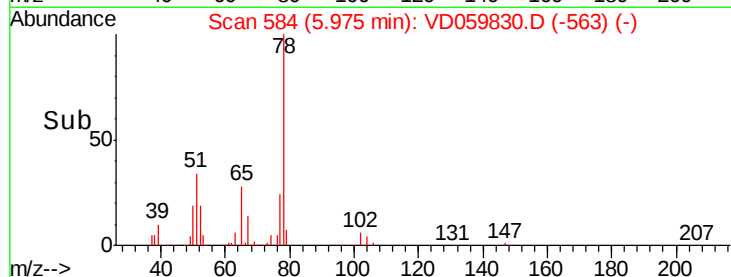
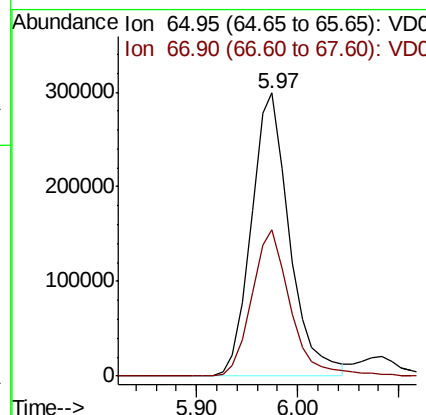
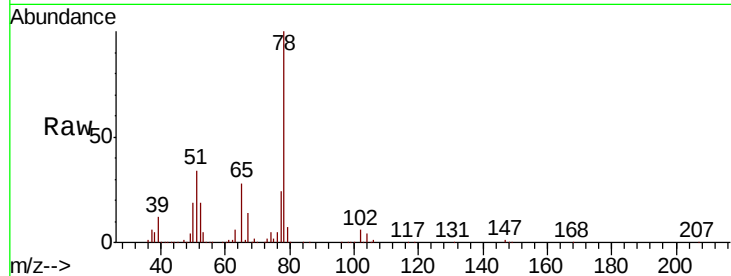
#33
 1,2-Dichloroethane-d4
 Concen: 95.86 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	787292		
67	51.6	0.0	102.4	

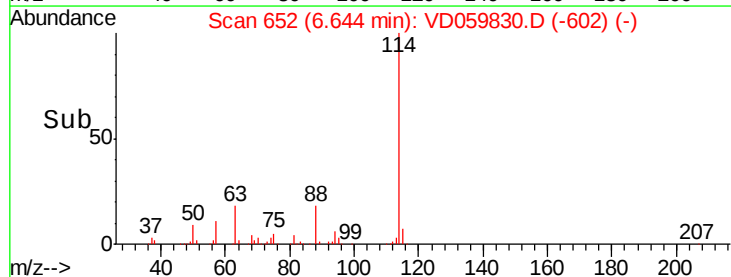
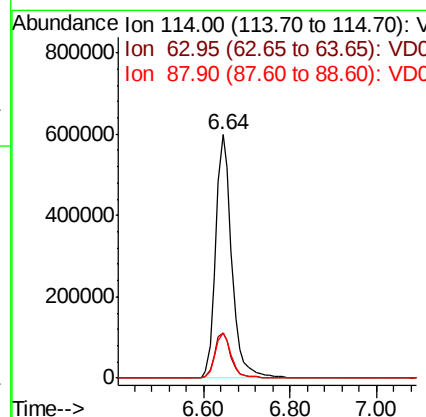
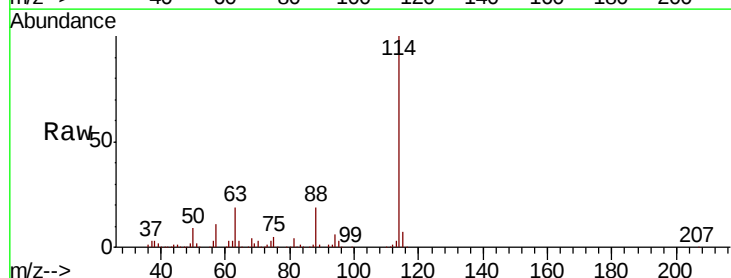
Manual Integrations
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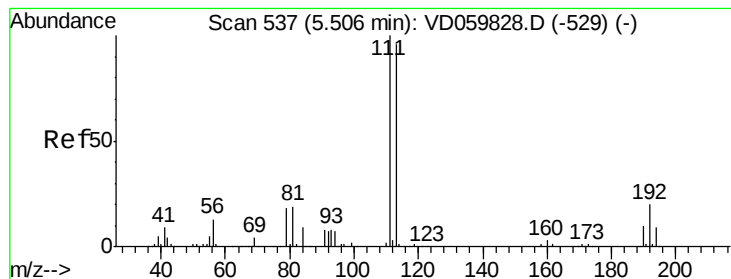
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1551193		
63	18.6	0.0	37.0	
88	18.6	0.0	37.0	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1099282

Ion Ratio Lower Upper

113 100

111 102.6 83.3 124.9

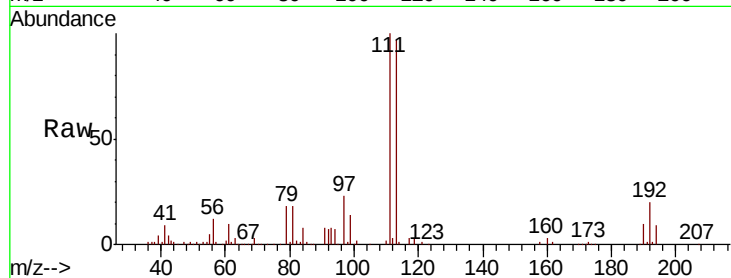
192 20.2 16.8 25.2

Manual Integrations

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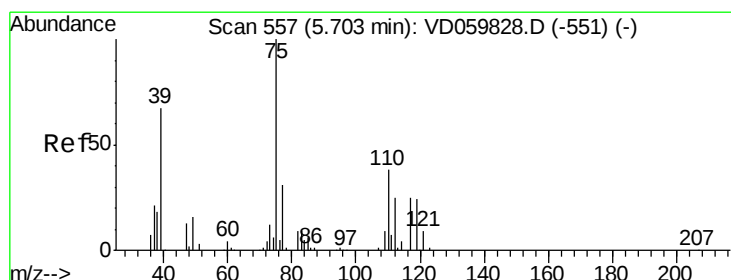
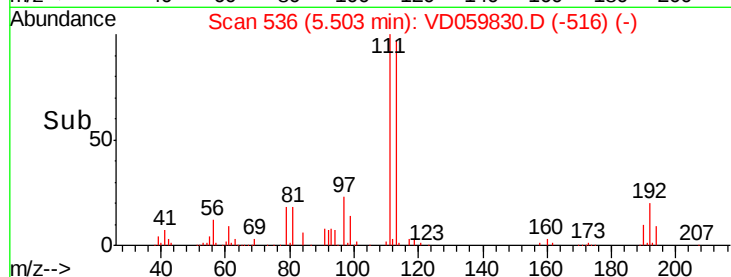
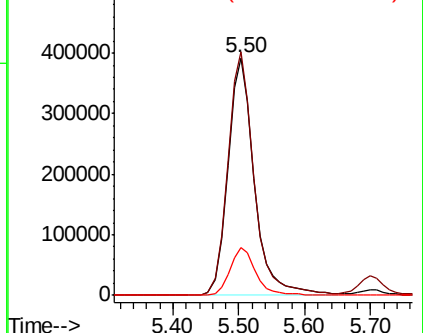
8/21/2018 10:24:47 AM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 90.64 ug/l

RT: 5.70 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

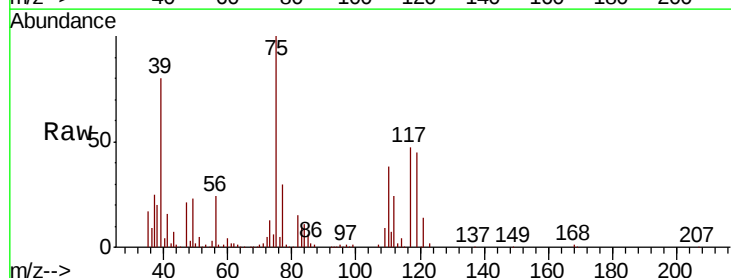
Tgt Ion: 75 Resp: 1209493

Ion Ratio Lower Upper

75 100

110 37.8 18.8 56.4

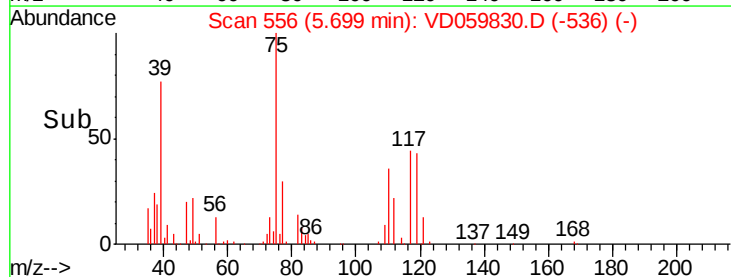
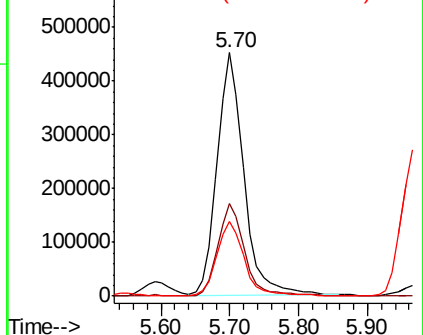
77 30.5 24.9 37.3

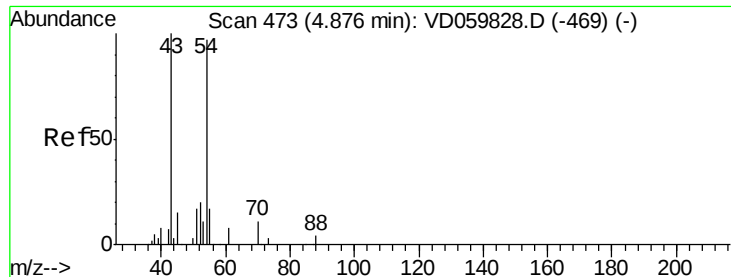


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





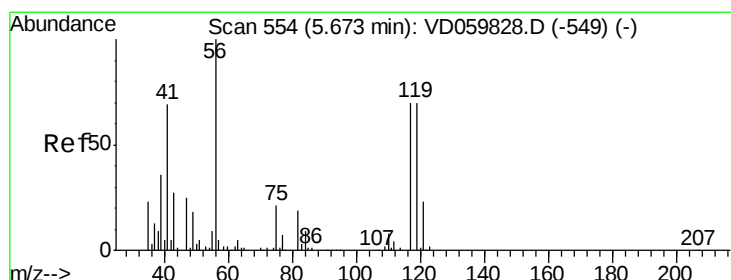
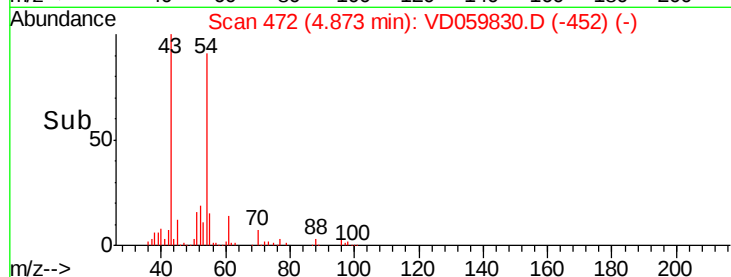
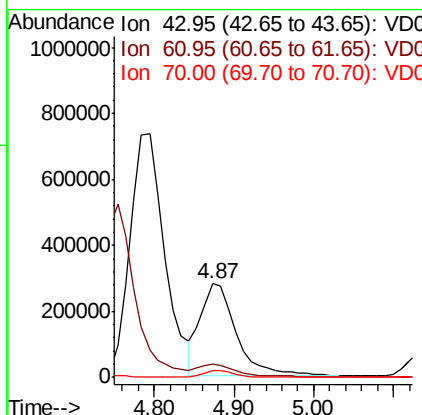
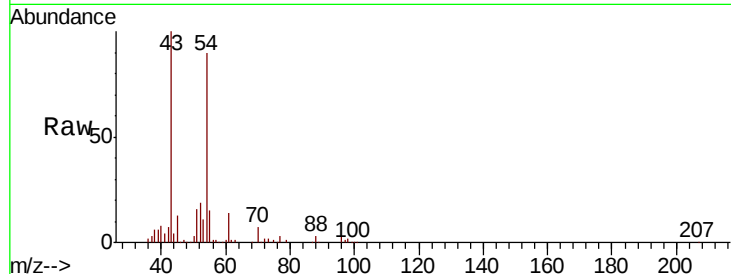
#37
Ethyl Acetate
Concen: 90.12 ug/l
RT: 4.87 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	7.4	6.2	9.2

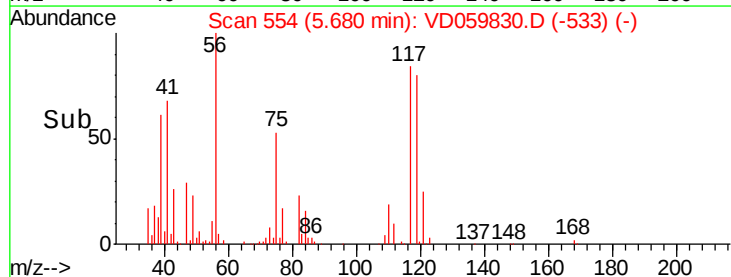
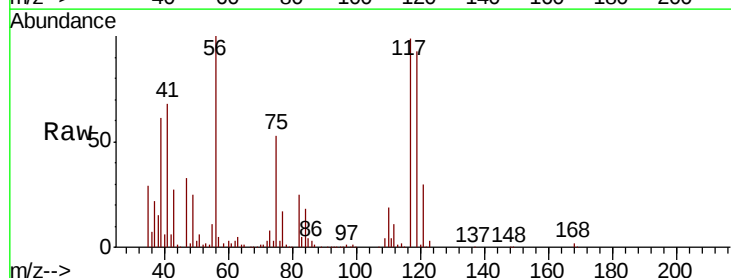
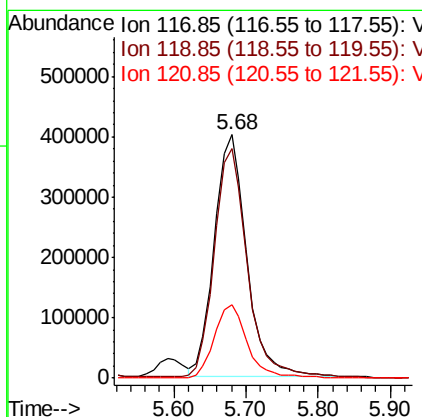
Manual Integrations
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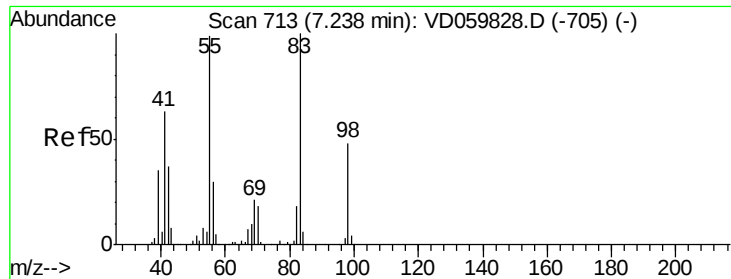
apatel
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#38
Carbon Tetrachloride
Concen: 93.01 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.4
121	30.1	24.7	37.1





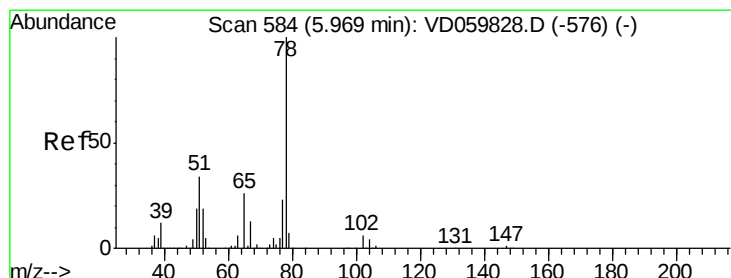
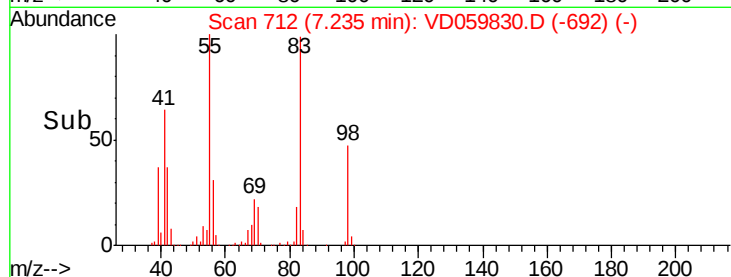
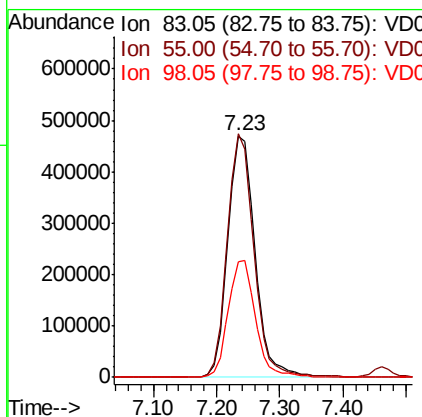
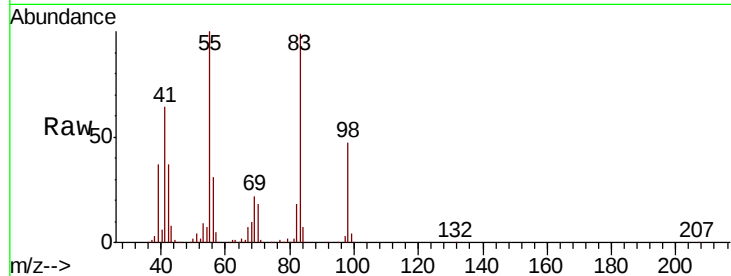
#39
Methvlcvclohexane
Concen: 98.79 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1401302
Ion Ratio Lower Upper
83 100
55 100.8 79.0 118.6
98 47.8 38.1 57.1

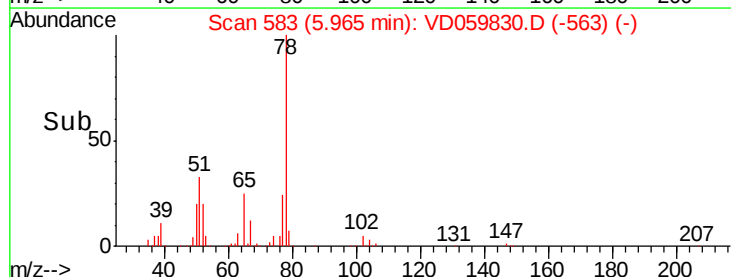
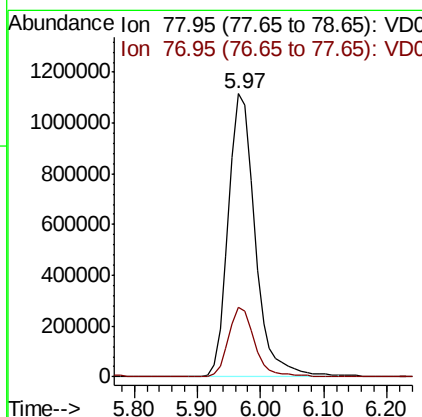
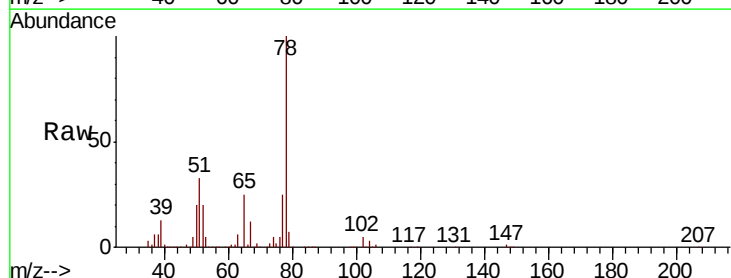
Manual Integrations
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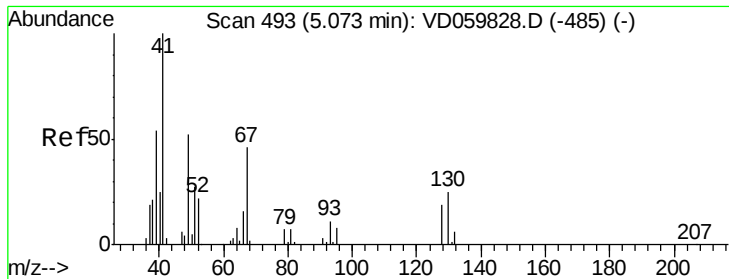
apatel
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#40
Benzene
Concen: 95.64 ug/l
RT: 5.97 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 78 Resp: 3294699
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2





#41

Methacrylonitrile

Concen: 85.59 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

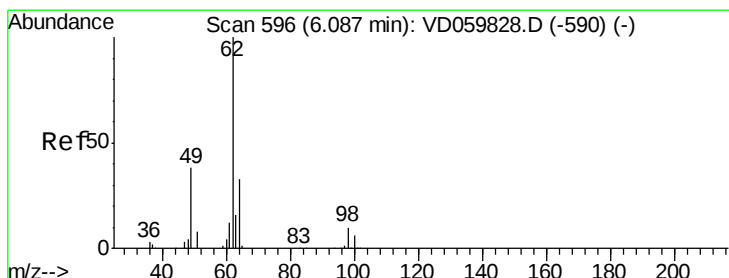
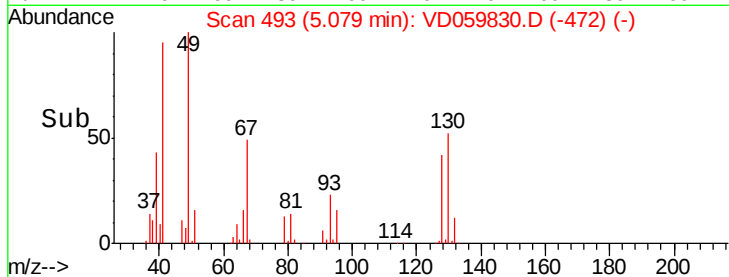
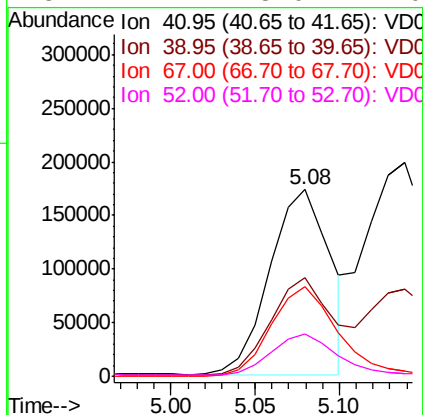
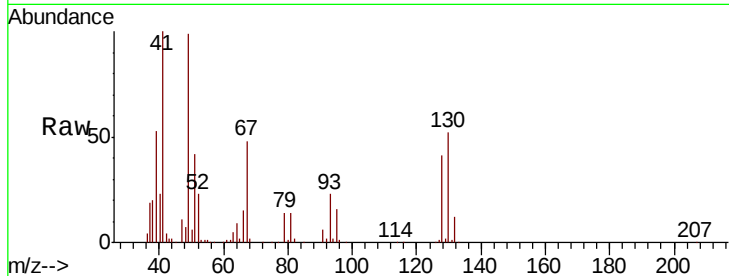
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	43.0	64.6	
67	48.1	36.7	55.1	
52	22.7	18.0	27.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 98.78 ug/l

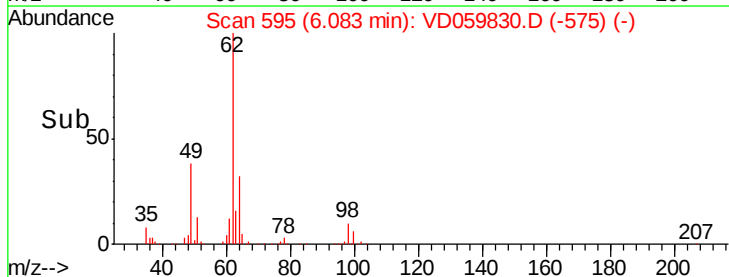
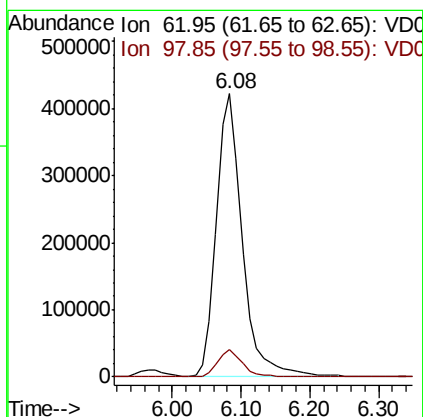
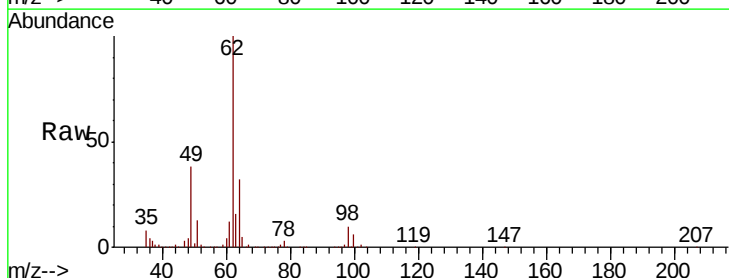
RT: 6.08 min Scan# 595

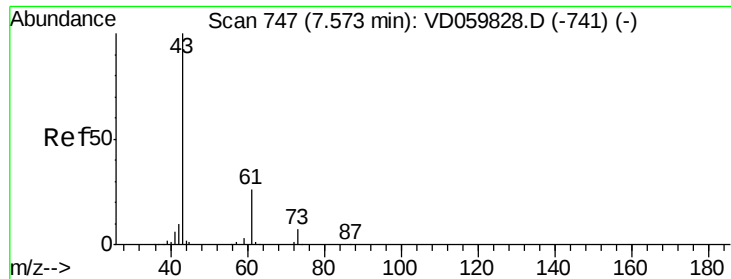
Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.4	





#43

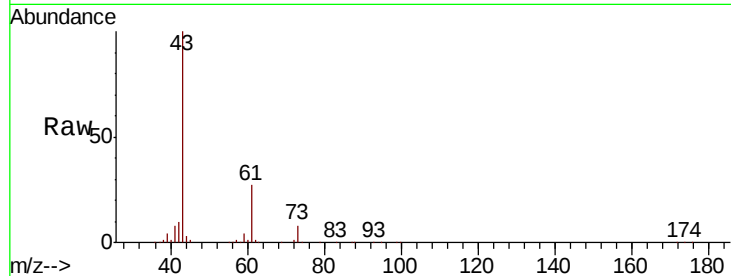
Isopropyl Acetate
 Concen: 95.21 ug/l
 RT: 7.58 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

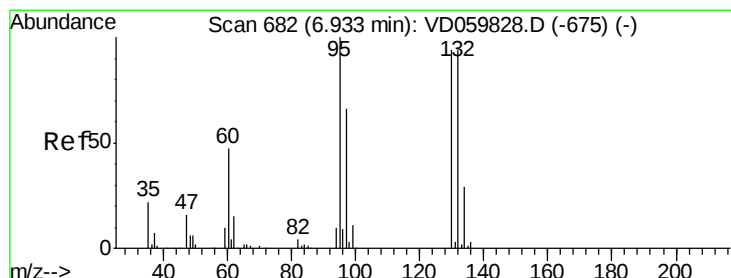
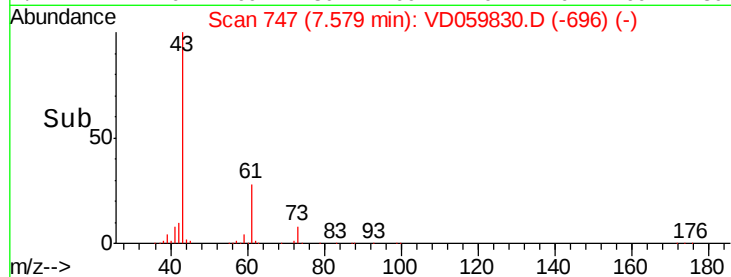
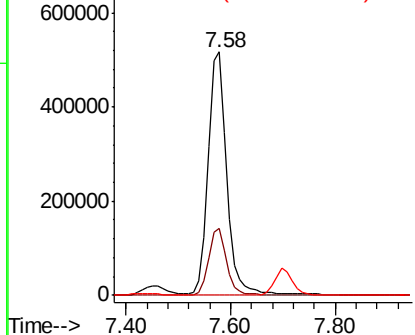
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.0	31.4
87	0.2	0.2	0.4

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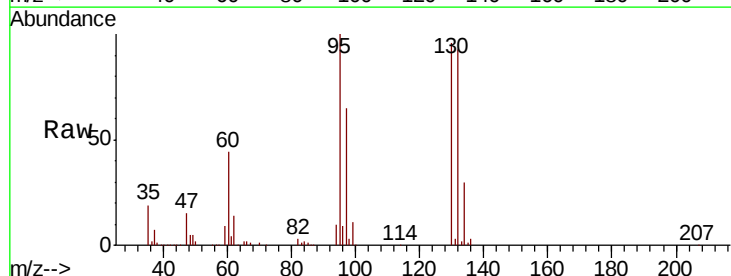
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



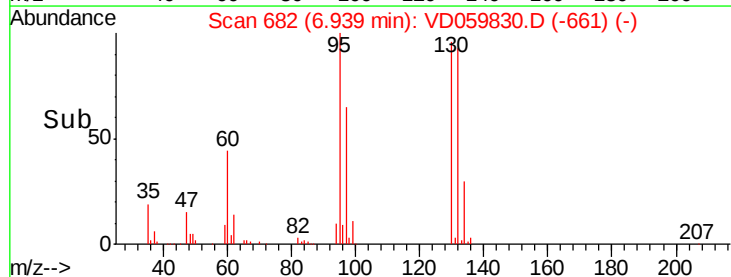
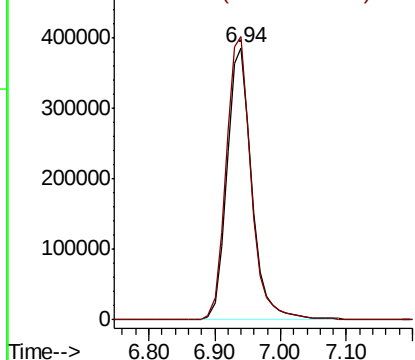
#44

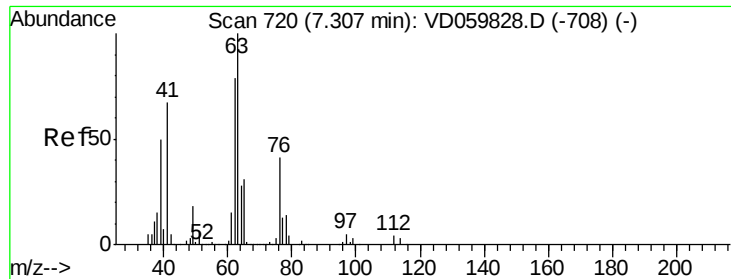
Trichloroethene
 Concen: 100.71 ug/l
 RT: 6.94 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 98.54 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 984075

Ion Ratio Lower Upper

63 100

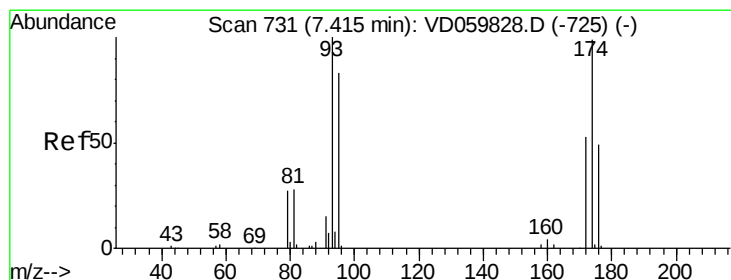
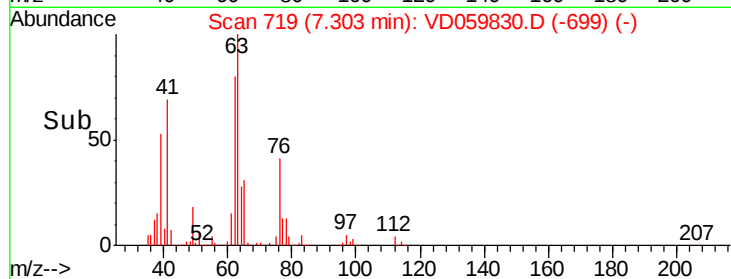
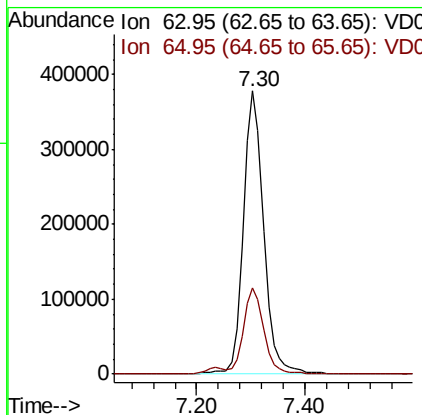
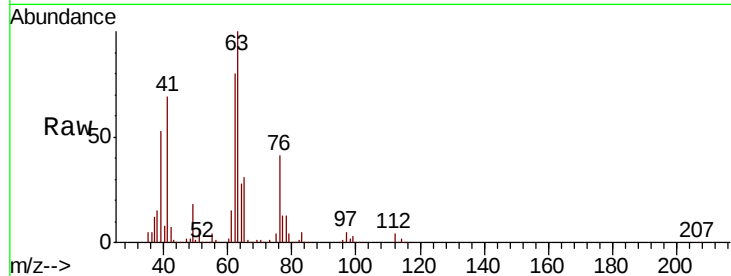
65 30.6 24.5 36.7

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#46

Dibromomethane

Concen: 99.41 ug/l

RT: 7.42 min Scan# 731

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

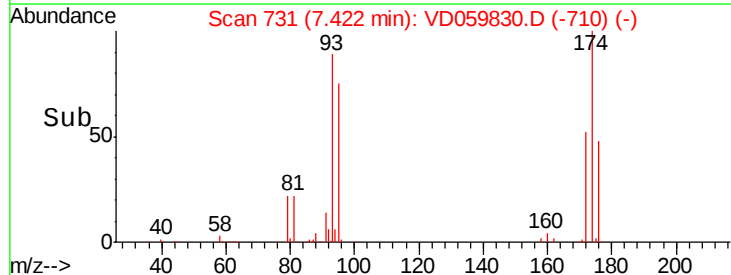
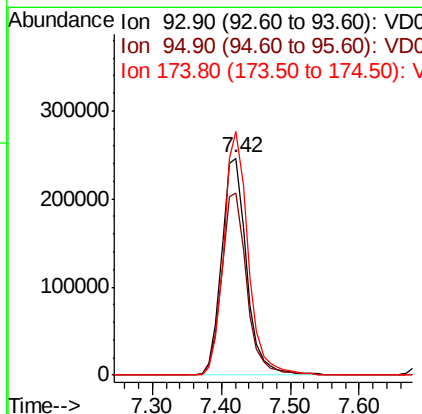
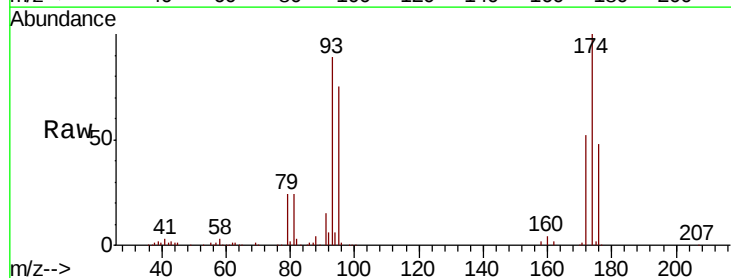
Tgt Ion: 93 Resp: 616844

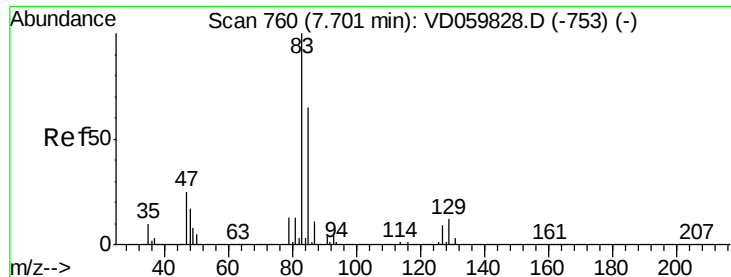
Ion Ratio Lower Upper

93 100

95 83.8 66.3 99.5

174 112.1 79.4 119.0





#47

Bromodichloromethane

Concen: 96.52 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1329079

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.4

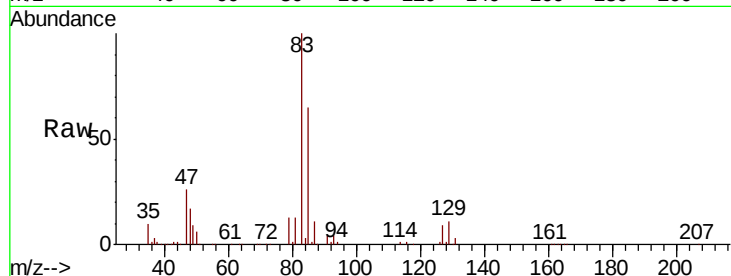
127 8.8 7.1 10.7

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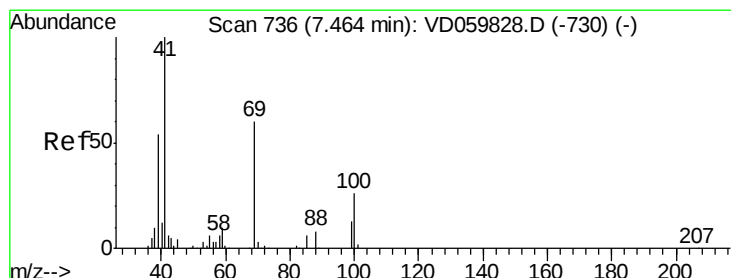
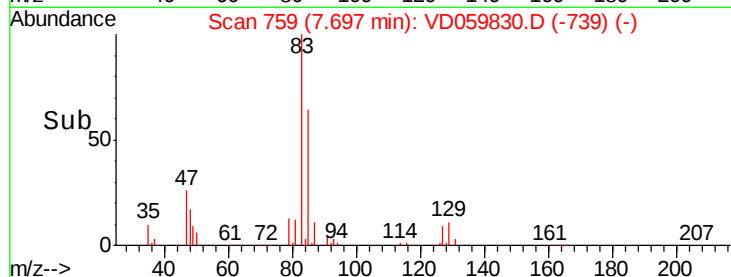
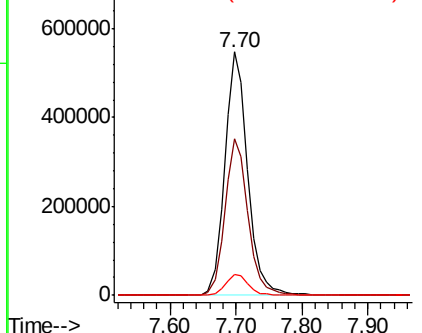
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 97.71 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

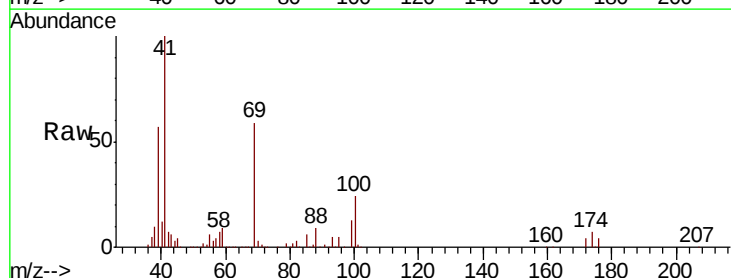
Tgt Ion: 41 Resp: 728014

Ion Ratio Lower Upper

41 100

69 58.6 47.0 70.4

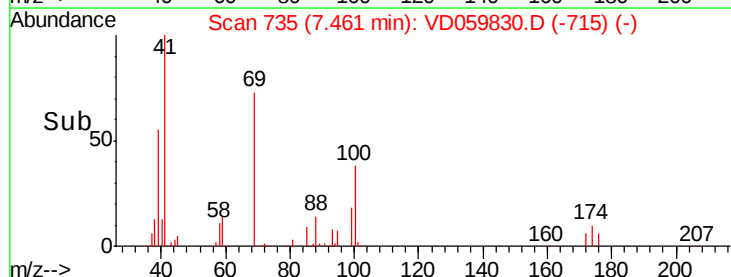
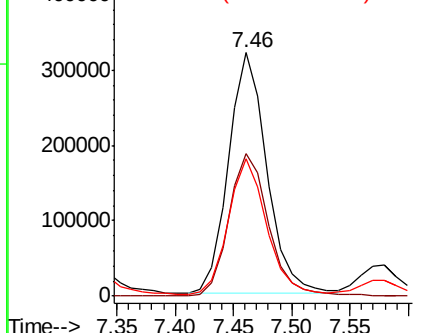
39 56.5 43.4 65.2

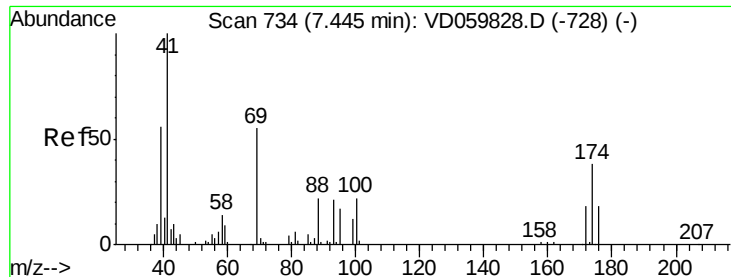


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





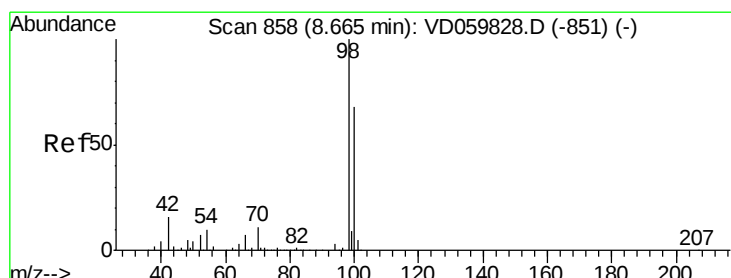
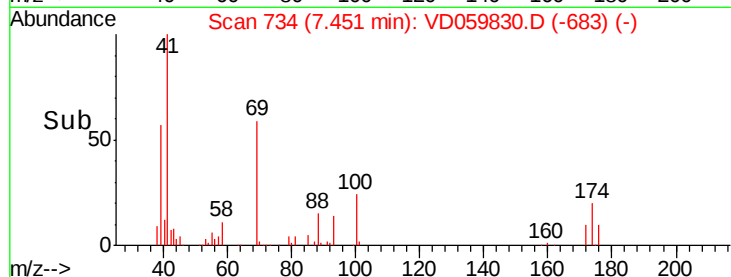
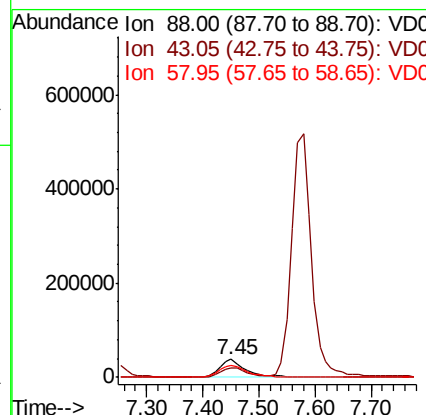
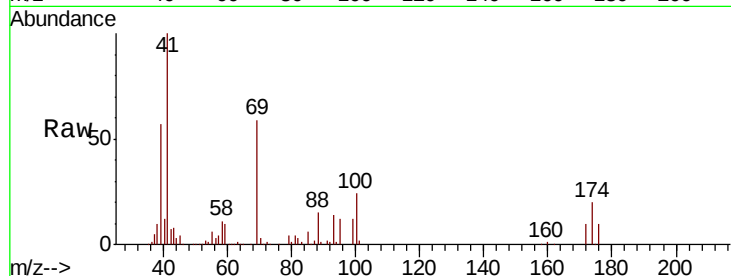
#49
1,4-Dioxane
Concen: 2074.90 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	52.9	41.4	62.0	
58	69.7	52.4	78.6	

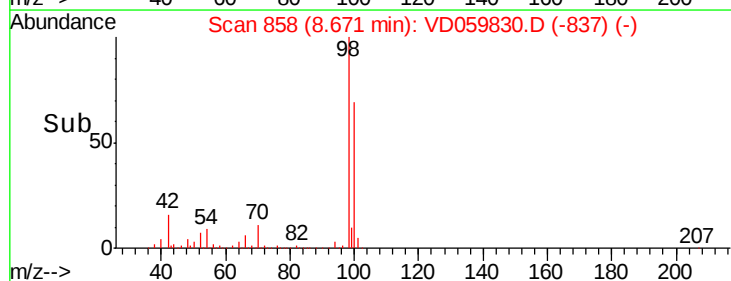
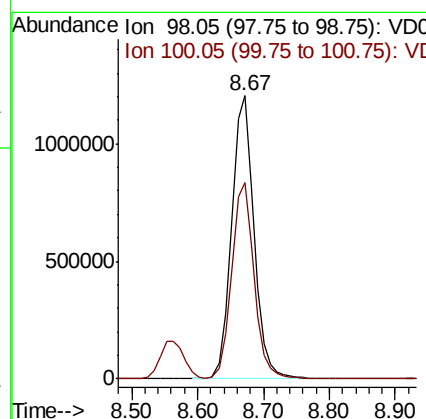
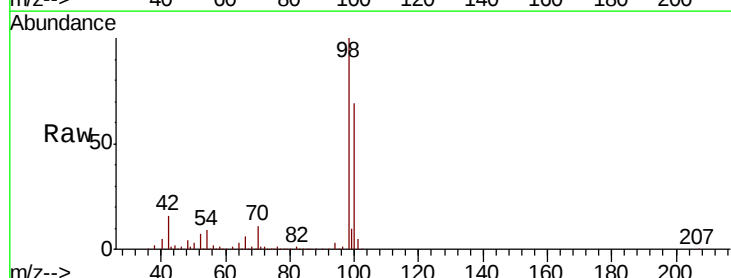
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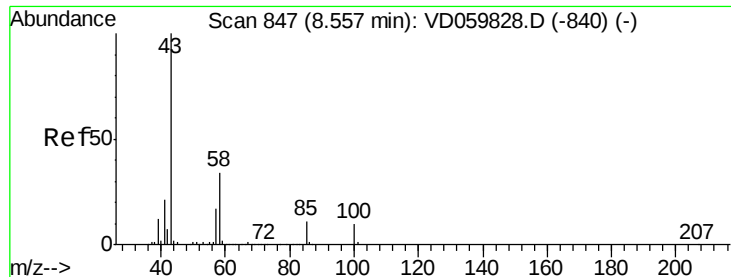
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#50
Toluene-d8
Concen: 2074.90 ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.2	55.0	82.4	





#51

4-Methyl-2-Pentanone

Concen: 476.67 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4367531

Ion Ratio Lower Upper

43 100

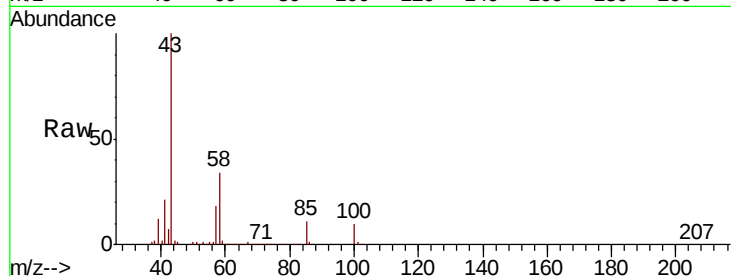
58 34.5 27.0 40.4

Manual Integrations

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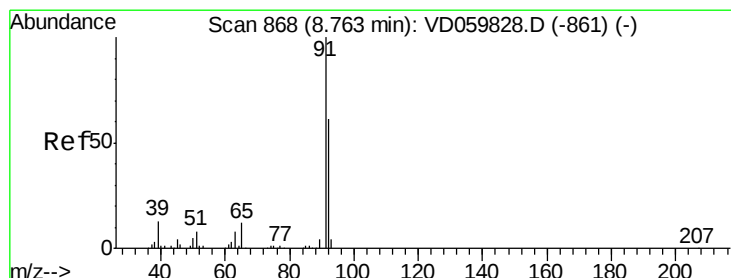
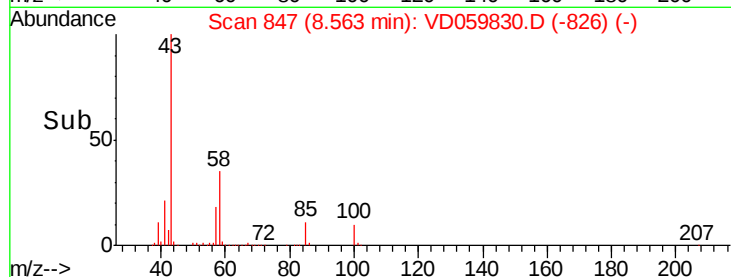
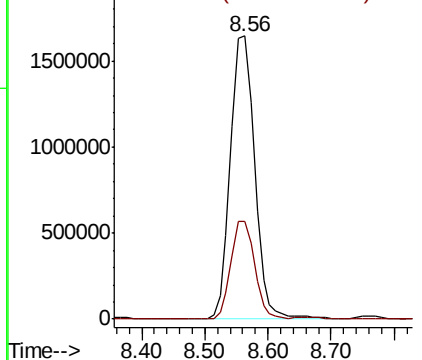
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 94.09 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059830.D

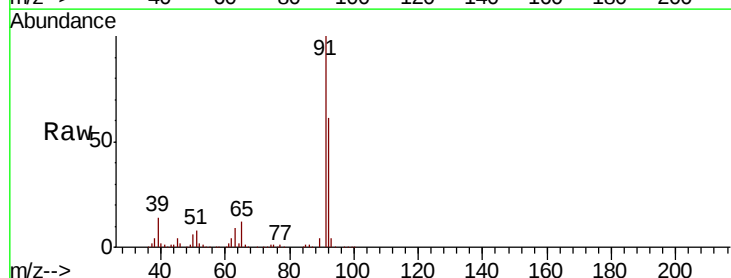
Acq: 20 Aug 2018 14:23

Tgt Ion: 92 Resp: 2056367

Ion Ratio Lower Upper

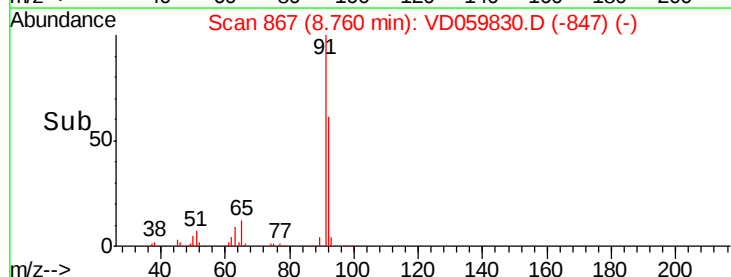
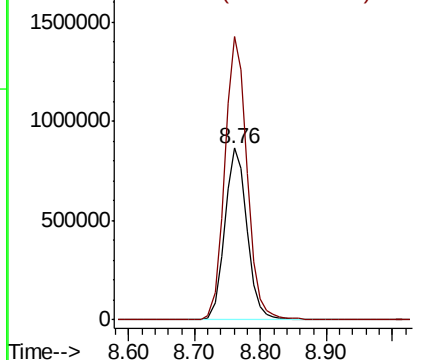
92 100

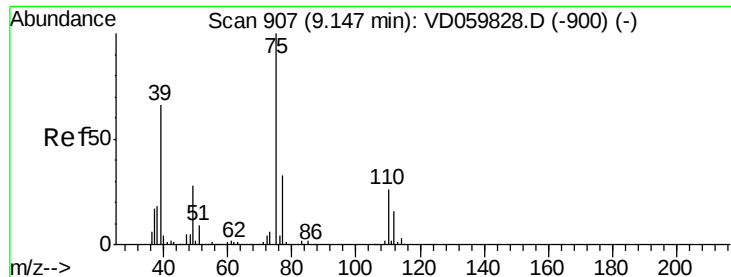
91 164.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





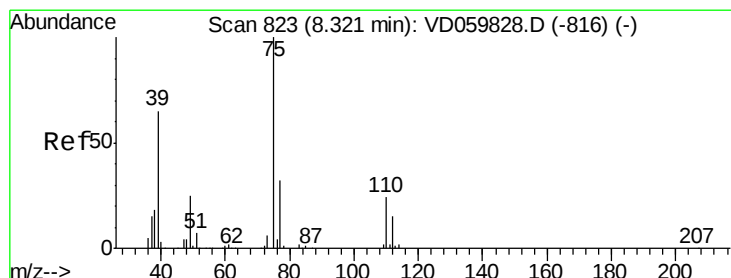
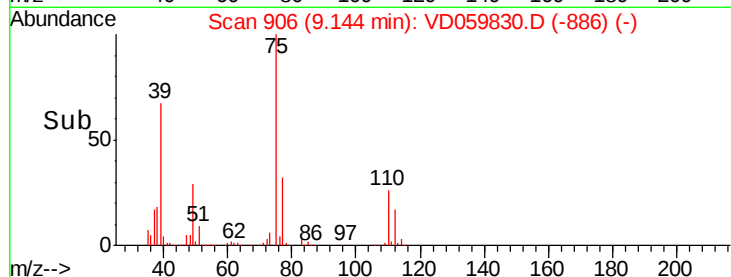
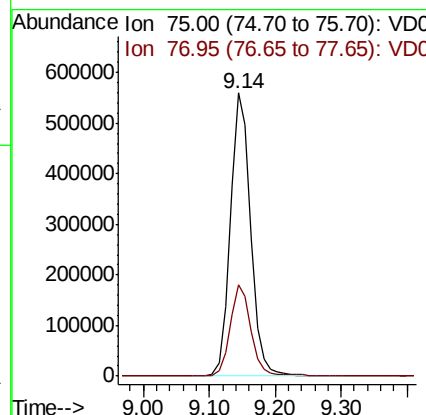
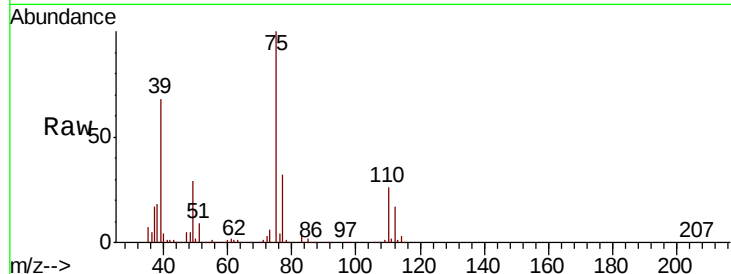
#53
t-1,3-Dichloropropene
Concen: 96.08 ug/l
RT: 9.14 min Scan# 906
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1204871
Ion Ratio Lower Upper
75 100
77 32.2 26.3 39.5

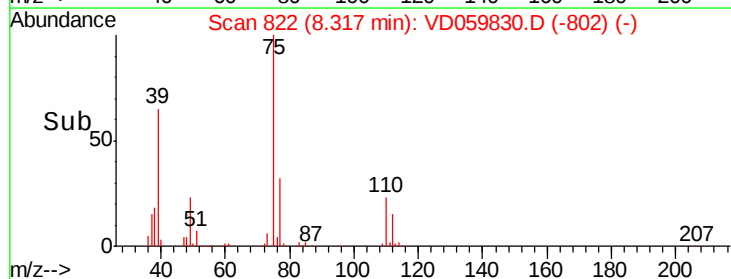
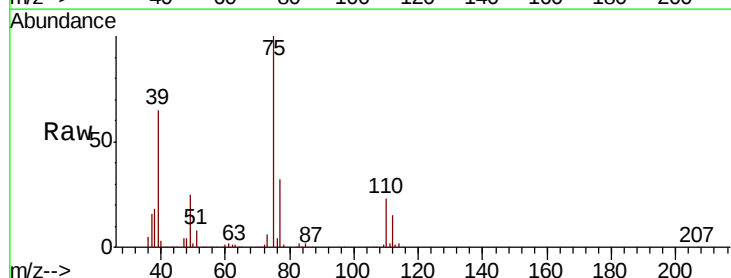
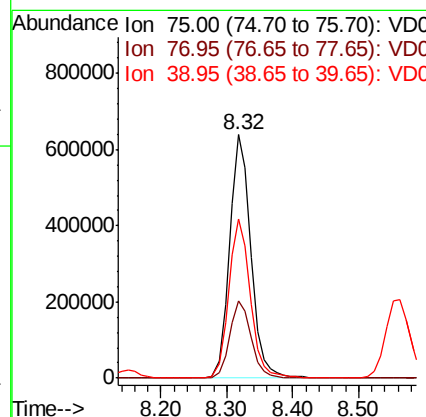
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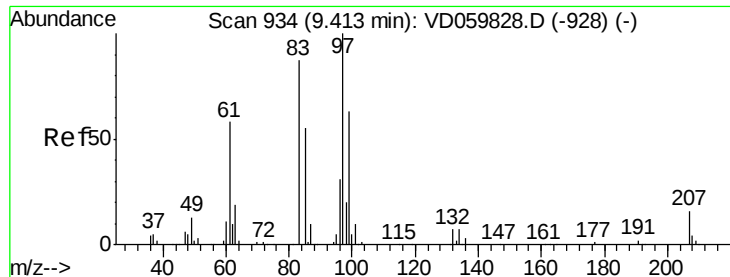
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#54
cis-1,3-Dichloropropene
Concen: 96.27 ug/l
RT: 8.32 min Scan# 822
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 75 Resp: 1449275
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
39 65.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 92.97 ug/l

RT: 9.41 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

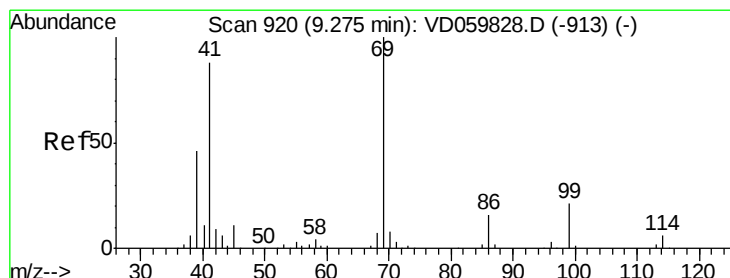
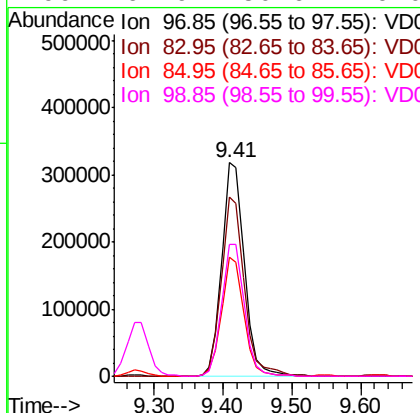
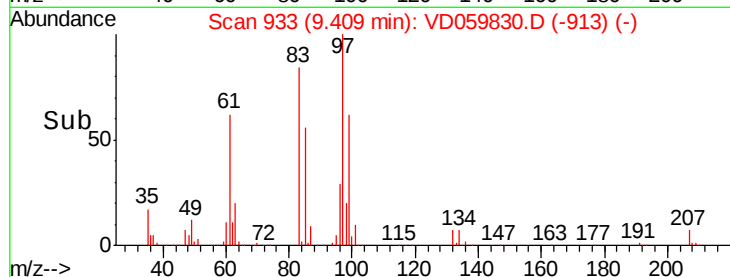
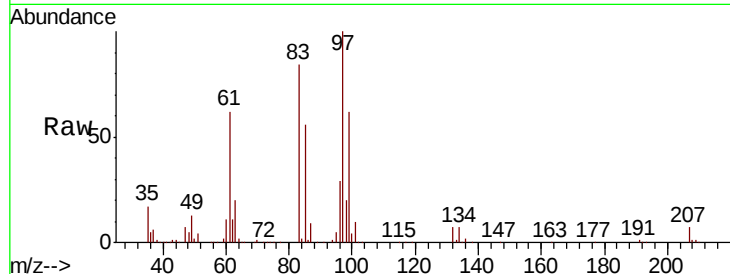
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		723247		
83	83.7	69.2	103.8		
85	55.9	44.3	66.5		
99	61.9	50.6	76.0		

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#56

Ethyl methacrylate

Concen: 94.35 ug/l

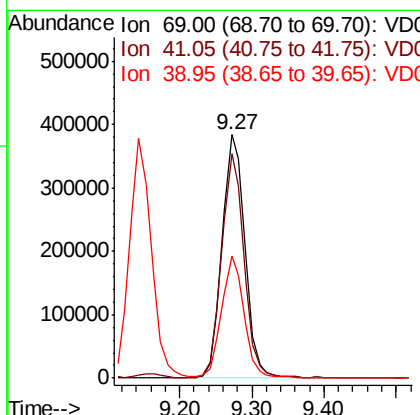
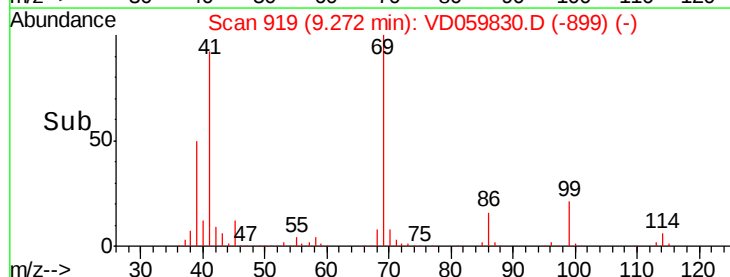
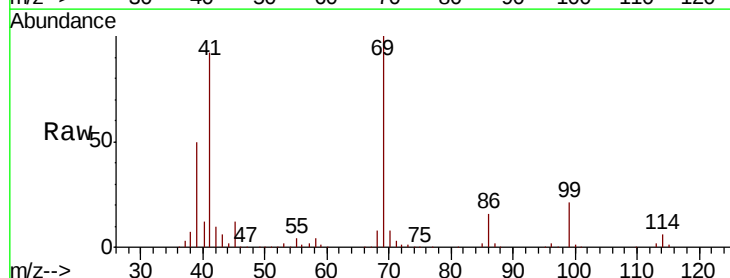
RT: 9.27 min Scan# 919

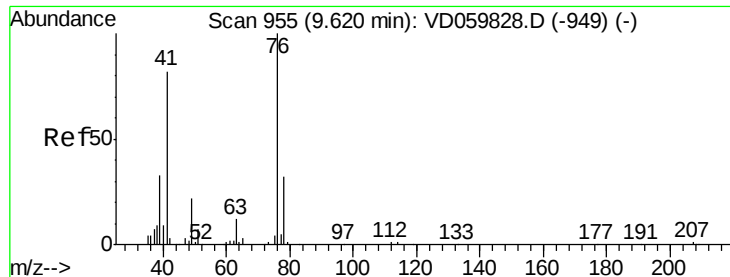
Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		843581		
41	92.1	71.0	106.4		
39	49.9	38.0	57.0		





#57

1,3-Dichloropropane

Concen: 96.35 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tot Ion: 76 Resp: 1092932

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3

Instrument :

MSVOA_D

ClientSampleId :

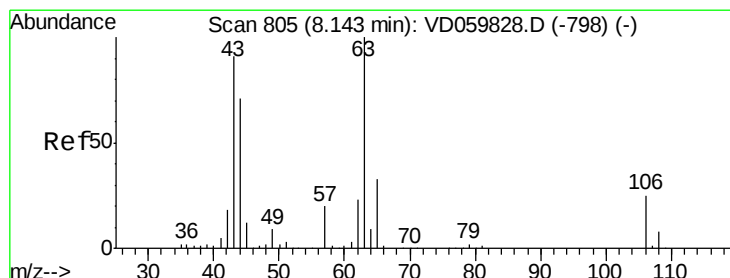
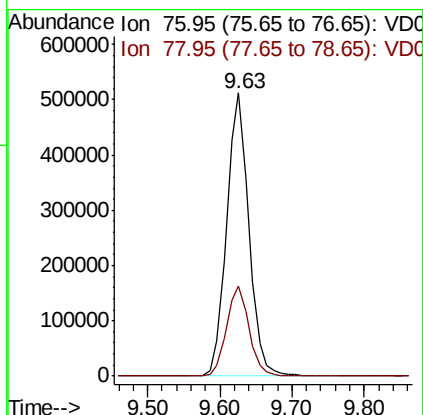
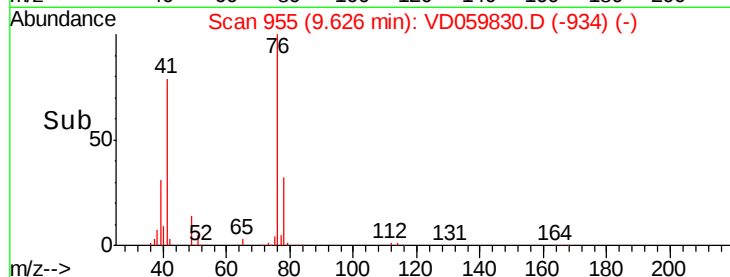
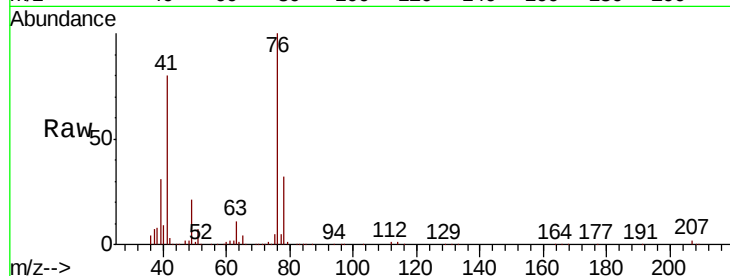
VSTDIC100

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 422.35 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059830.D

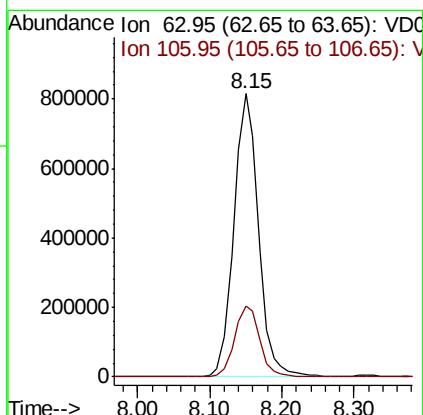
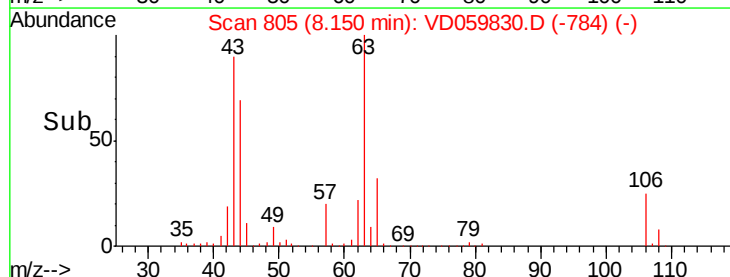
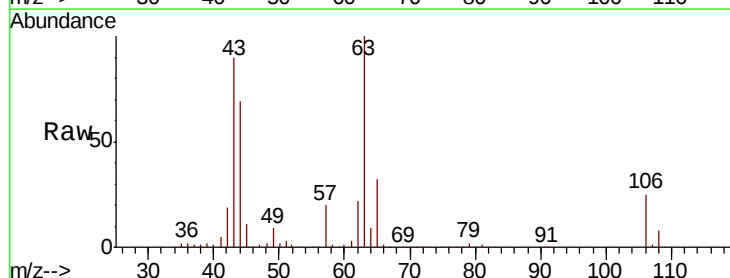
Acq: 20 Aug 2018 14:23

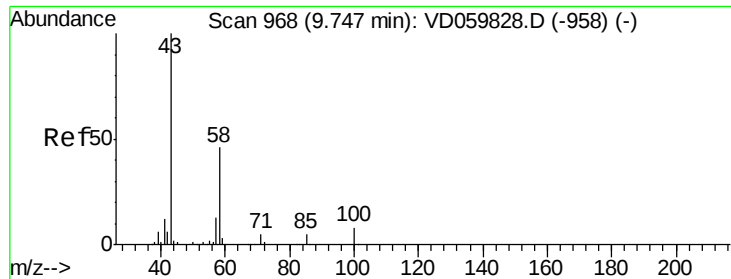
Tgt Ion: 63 Resp: 1939417

Ion Ratio Lower Upper

63 100

106 25.2 19.6 29.4





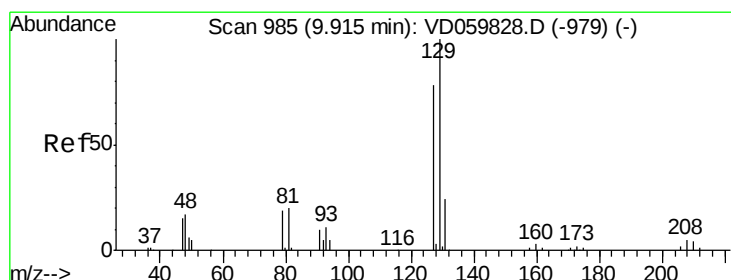
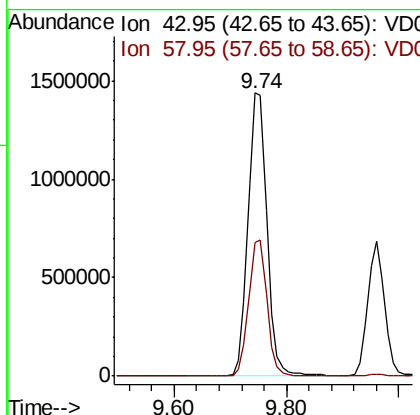
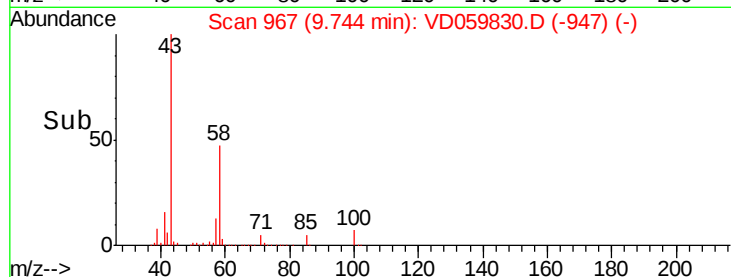
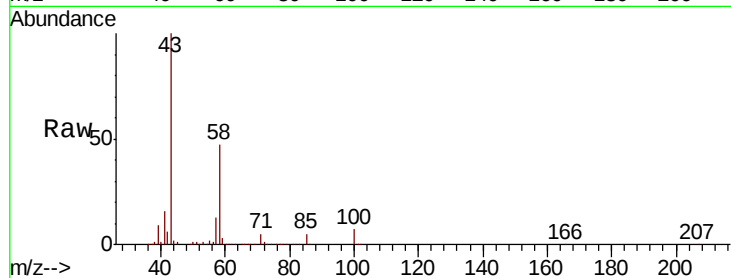
#59
2-Hexanone
Concen: 498.27 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 3362621
Ion Ratio Lower Upper
43 100
58 47.2 23.1 69.2

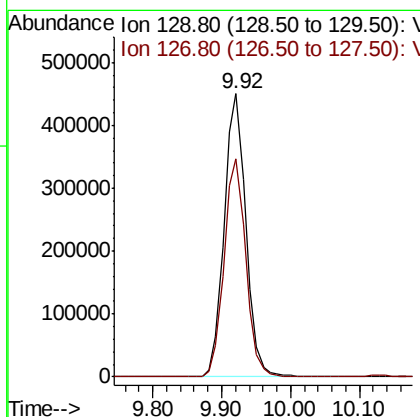
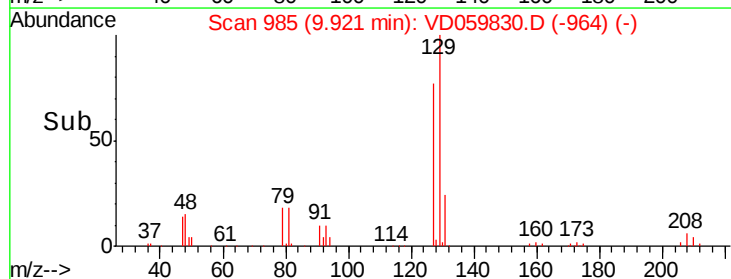
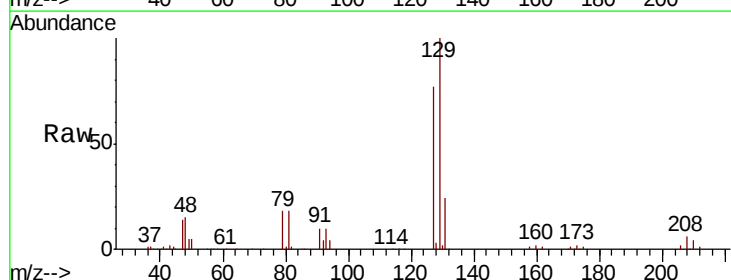
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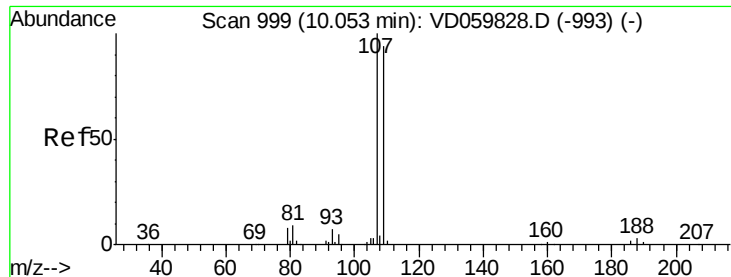
apatel
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#60
Dibromochloromethane
Concen: 98.00 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 129 Resp: 979920
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 98.52 ug/l

RT: 10.06 min Scan# 999

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 815173

Ion Ratio Lower Upper

107 100

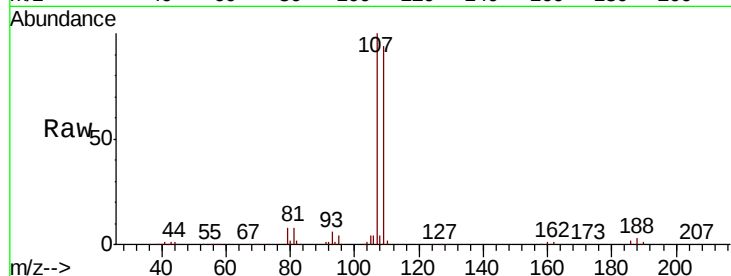
109 94.0 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.06

400000

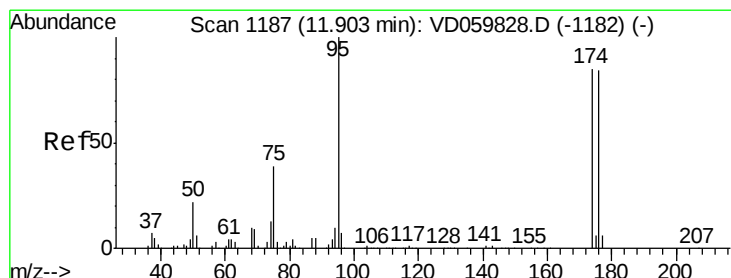
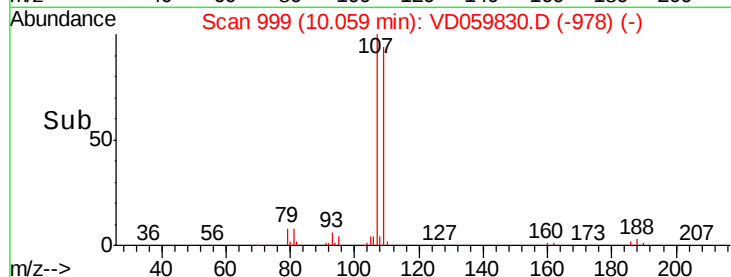
300000

200000

100000

0

Time--> 9.90 10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 98.52 ug/l

RT: 11.91 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

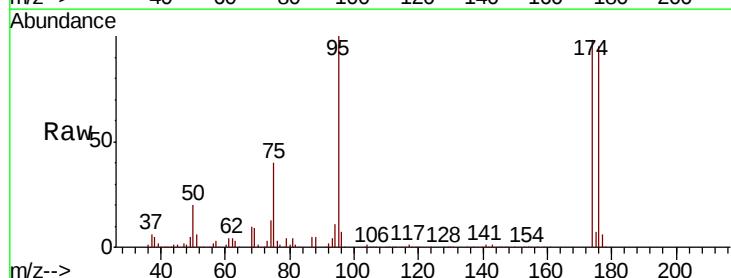
Tgt Ion: 95 Resp: 1025446

Ion Ratio Lower Upper

95 100

174 97.7 0.0 169.2

176 94.7 0.0 168.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.91

800000

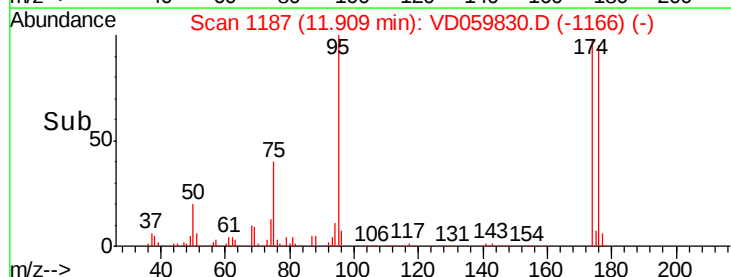
600000

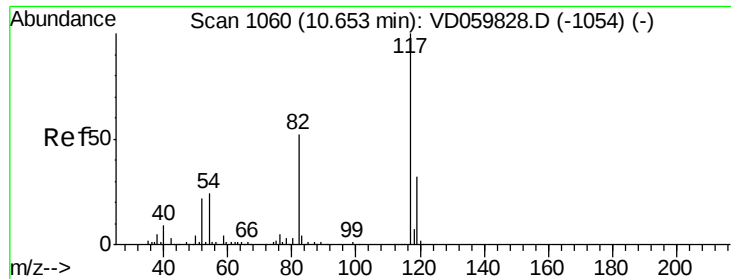
400000

200000

0

Time--> 11.80 11.90 12.00





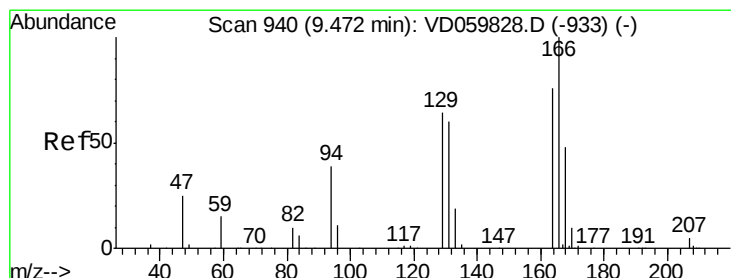
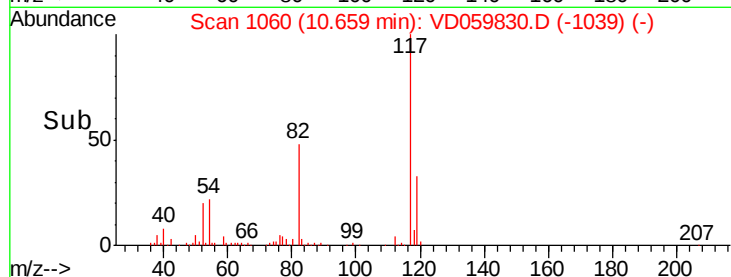
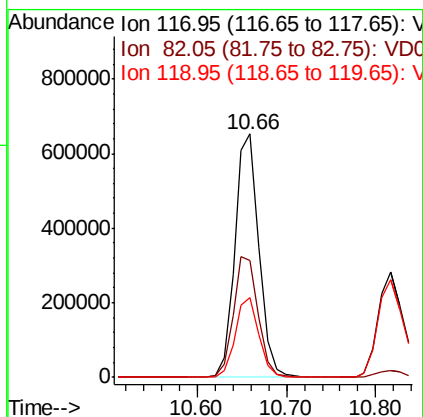
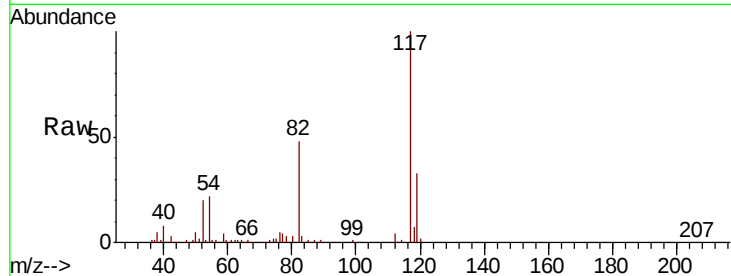
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	41.6	62.4
119	32.5	25.6	38.4

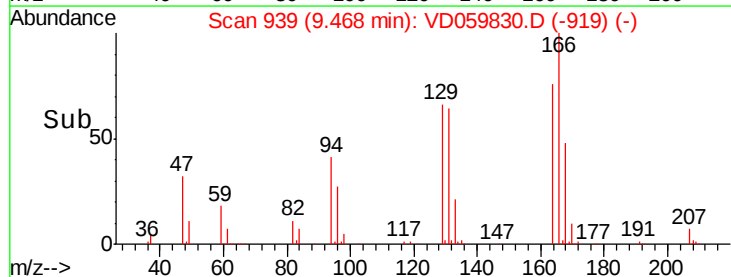
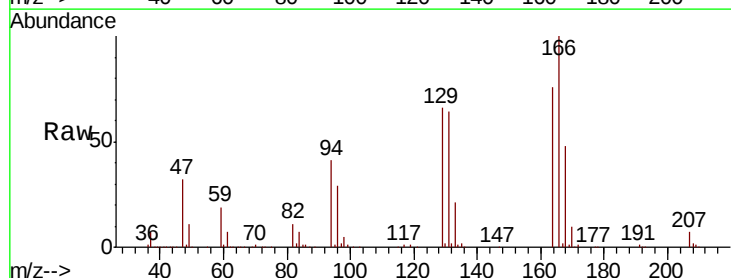
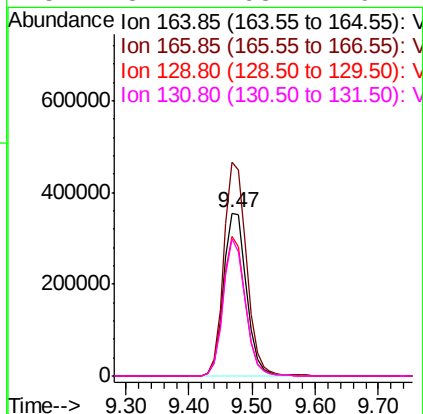
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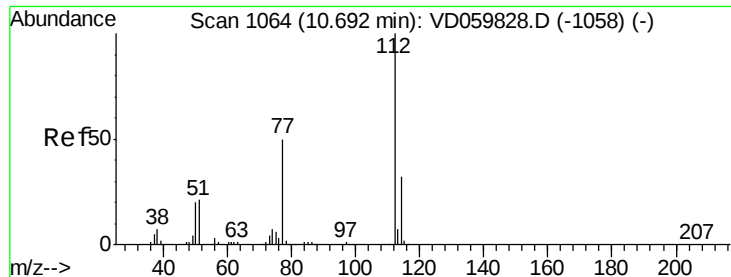
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#64
Tetrachloroethene
Concen: 99.02 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.9	157.3
129	86.0	66.7	100.1
131	84.2	63.1	94.7





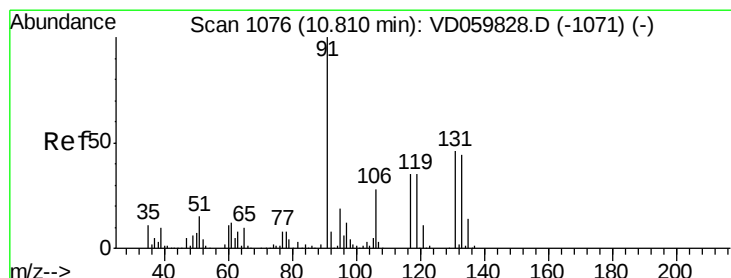
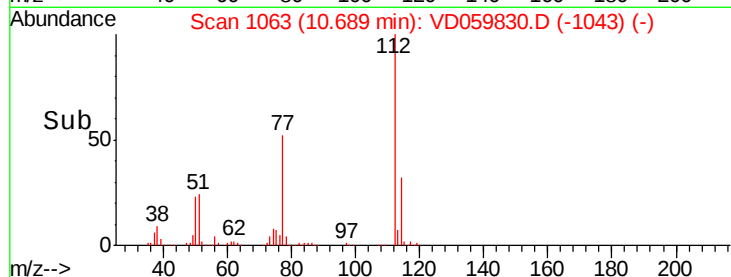
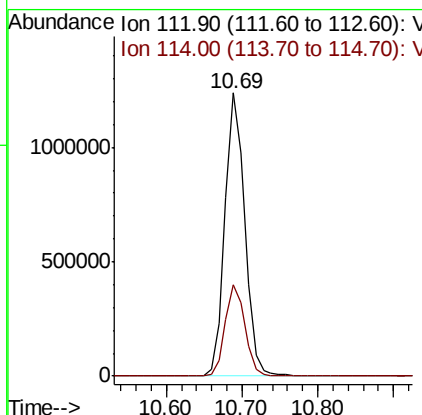
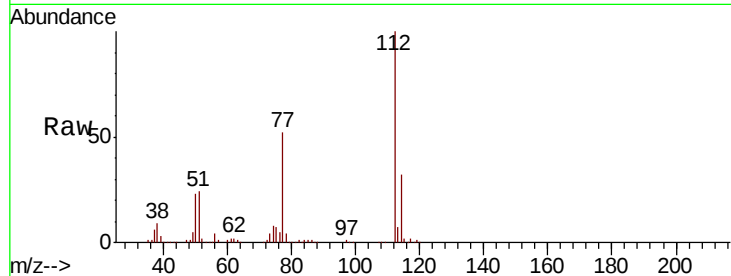
#65
Chlorobenzene
Concen: 94.05 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2251664
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

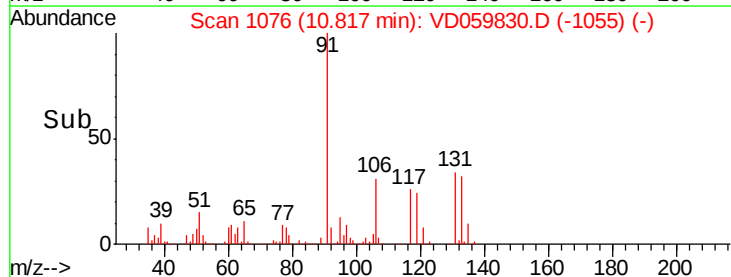
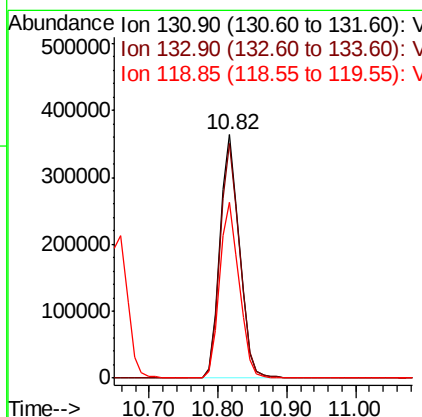
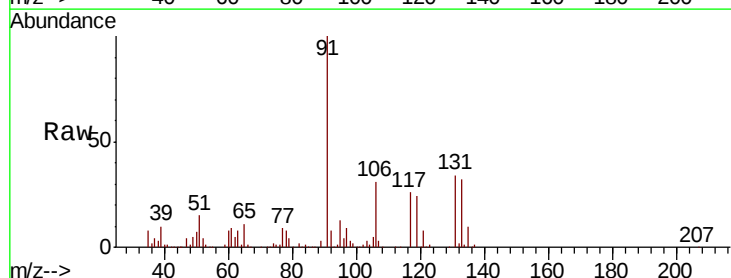
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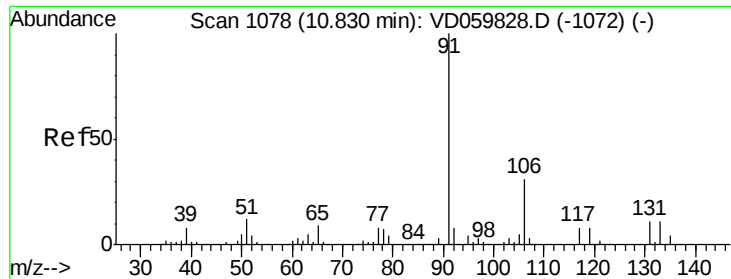
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#66
1,1,1,2-Tetrachloroethane
Concen: 86.20 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:131 Resp: 712676
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.4
119 72.2 37.5 112.7





#67

Ethyl Benzene

Concen: 80.78 ug/l

RT: 10.83 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3171802

Ion Ratio Lower Upper

91 100

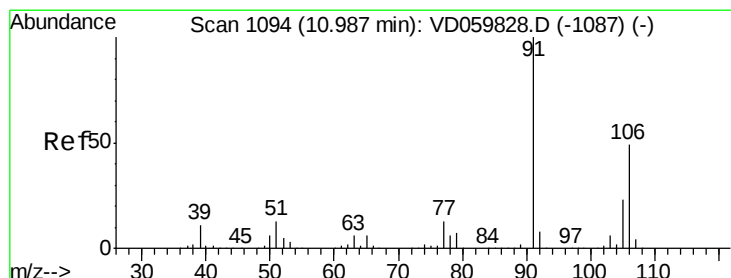
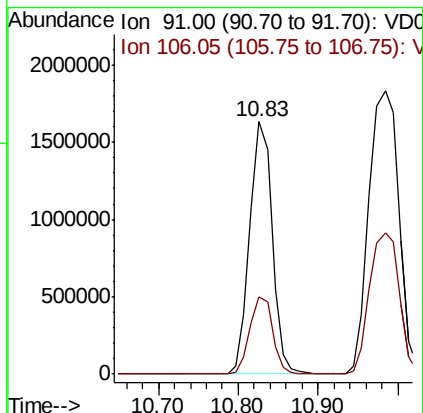
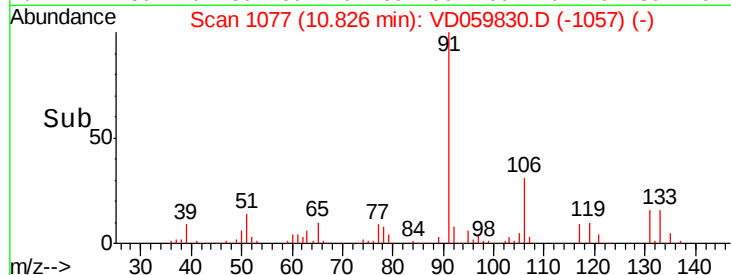
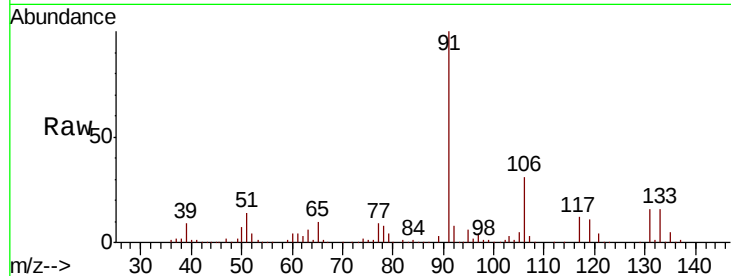
106 30.9 25.1 37.7

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#68

m/p-Xylenes

Concen: 163.33 ug/l

RT: 10.98 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD059830.D

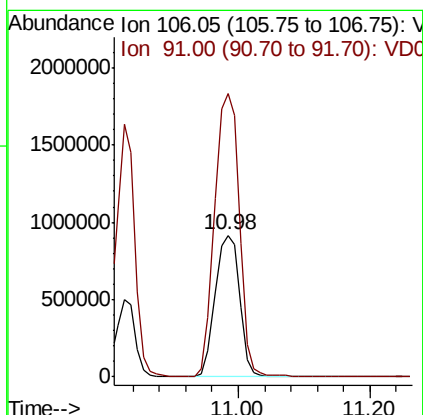
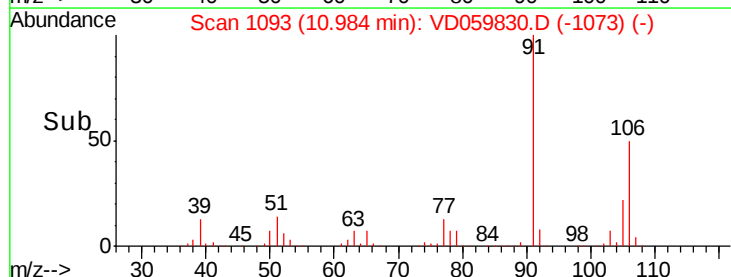
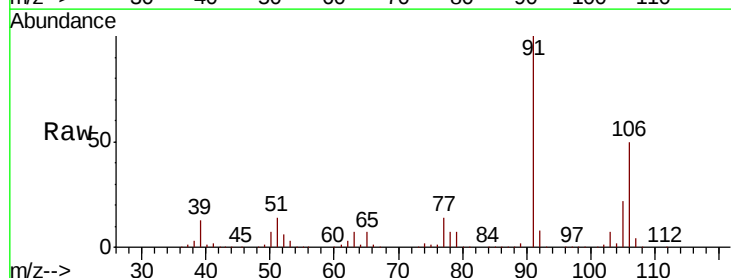
Acq: 20 Aug 2018 14:23

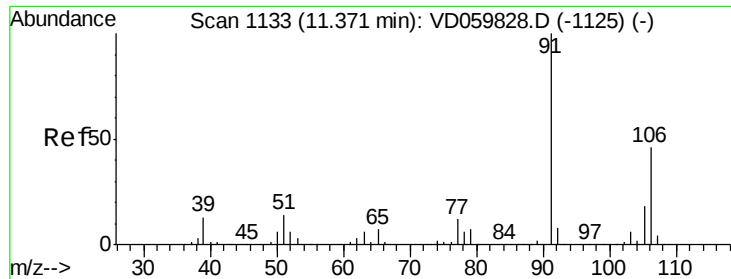
Tgt Ion: 106 Resp: 2349232

Ion Ratio Lower Upper

106 100

91 200.1 161.8 242.8





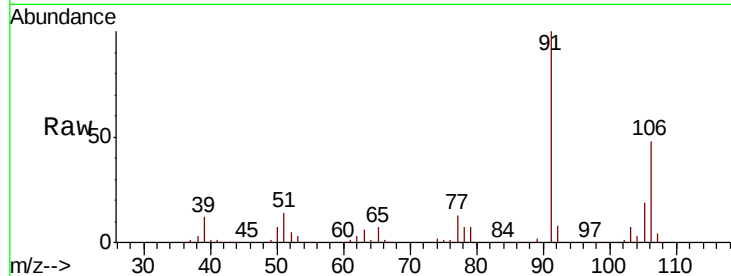
#69
o-Xylene
Concen: 87.66 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

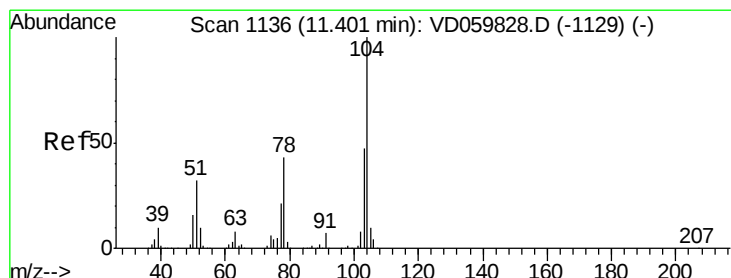
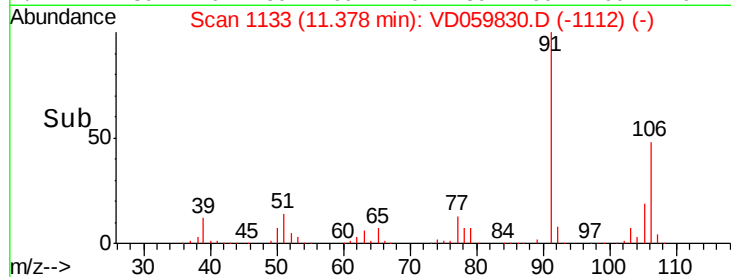
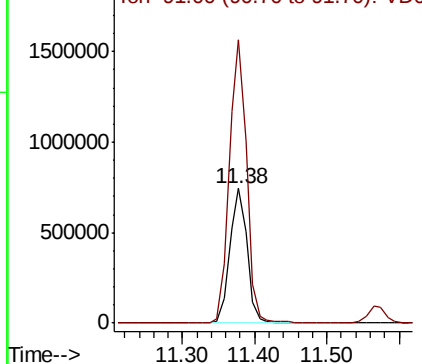
Tot Ion:106 Resp: 1231835
Ion Ratio Lower Upper
106 100
91 210.1 108.5 325.3

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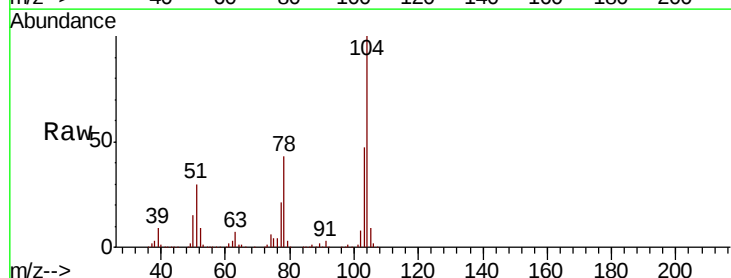


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

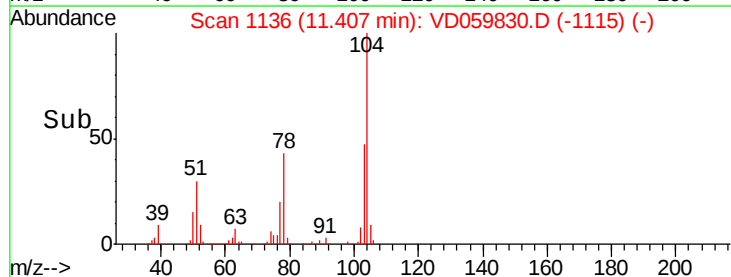
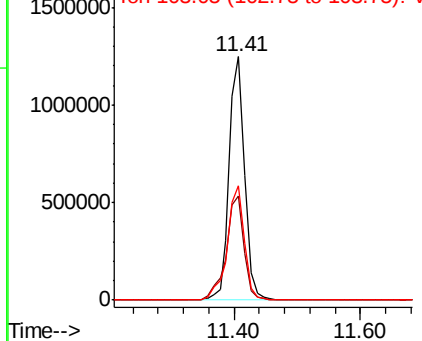


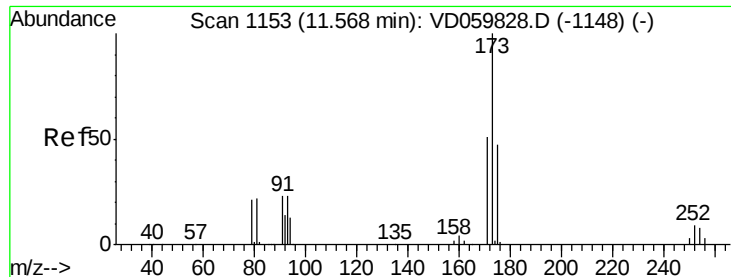
#70
Styrene
Concen: 85.83 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:104 Resp: 2090350
Ion Ratio Lower Upper
104 100
78 42.7 34.6 52.0
103 47.2 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 99.88 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 721793

Ion Ratio Lower Upper

173 100

175 48.9 23.7 71.1

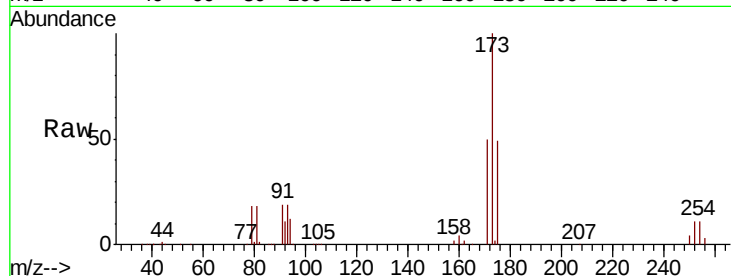
254 11.2 6.7 10.1#

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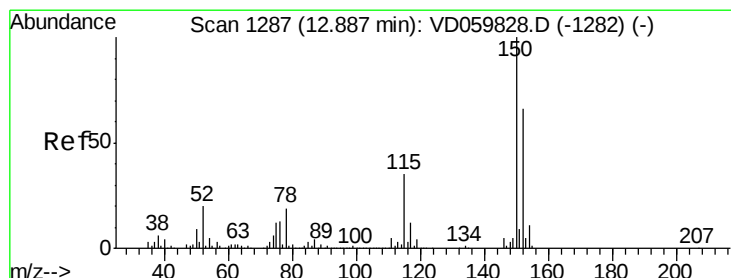
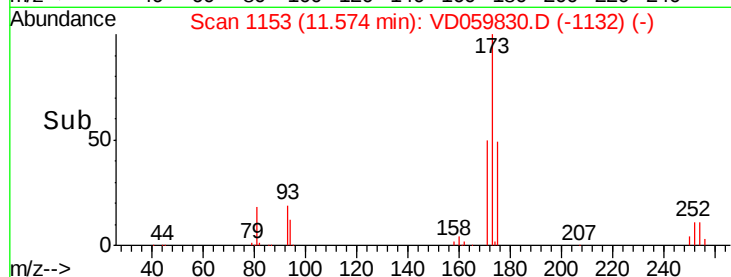
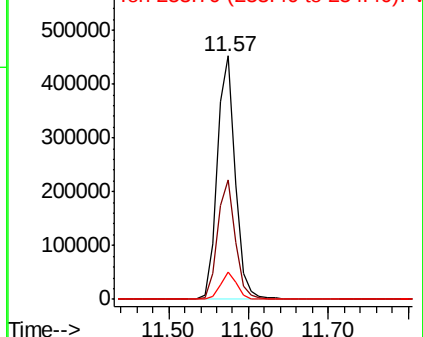
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

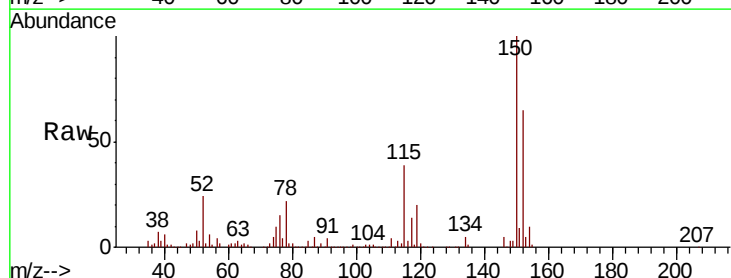
Tgt Ion:152 Resp: 521412

Ion Ratio Lower Upper

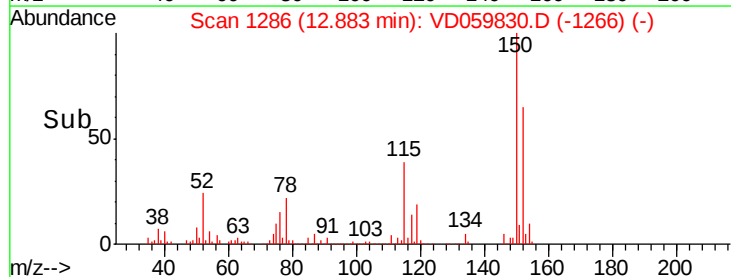
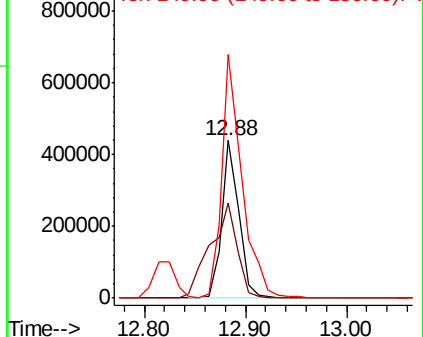
152 100

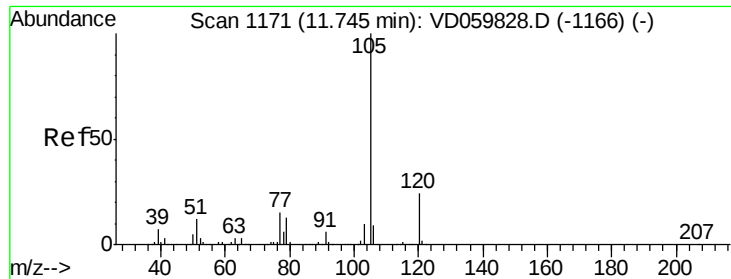
115 60.5 26.9 80.6

150 154.7 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





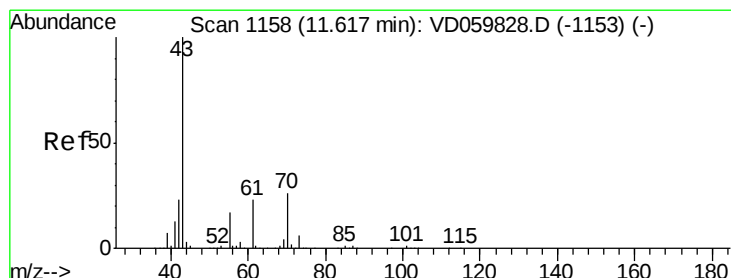
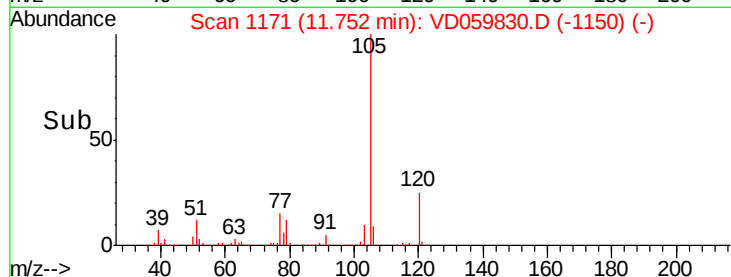
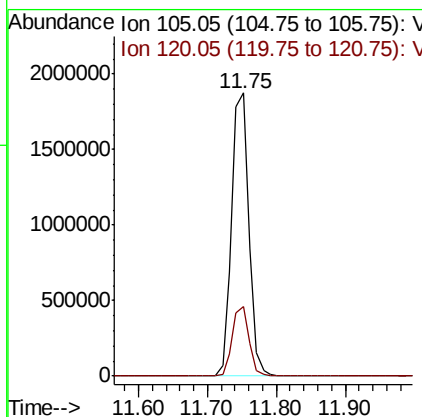
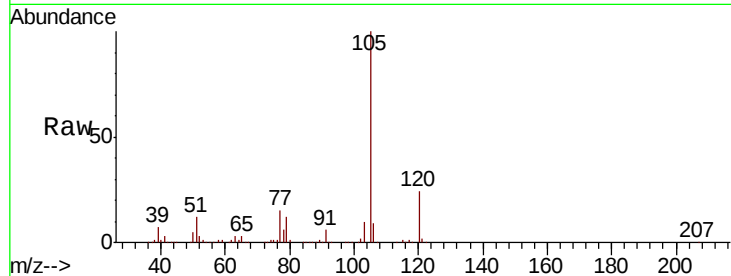
#73
Isopropylbenzene
Concen: 91.40 ug/l
RT: 11.75 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 3250727
Ion Ratio Lower Upper
105 100
120 24.5 11.9 35.5

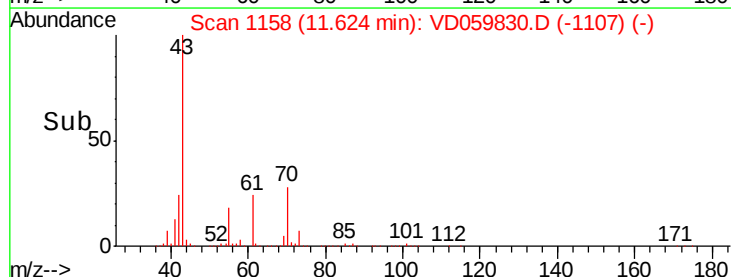
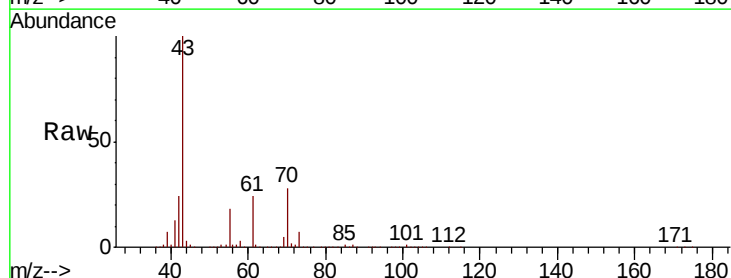
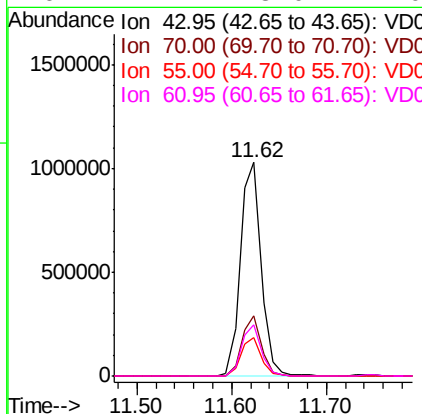
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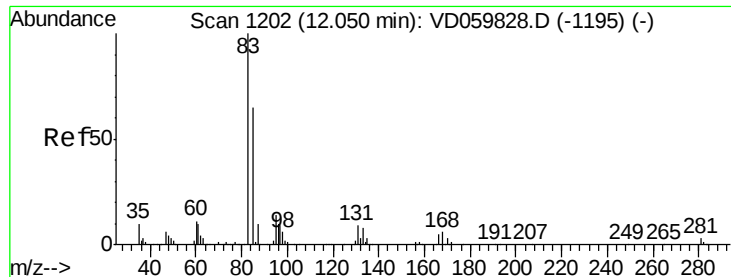
apatel
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#74
N-ethyl acetate
Concen: 99.01 ug/l
RT: 11.62 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 43 Resp: 1556913
Ion Ratio Lower Upper
43 100
70 28.1 20.5 30.7
55 17.8 13.7 20.5
61 24.2 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.91 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

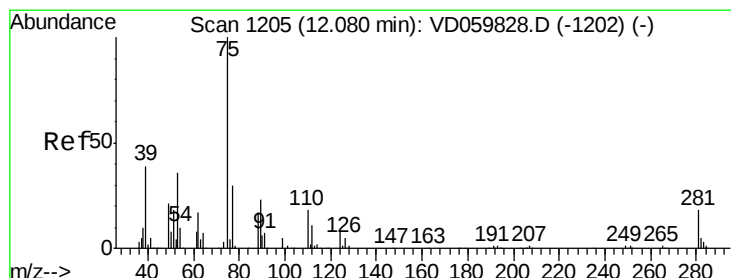
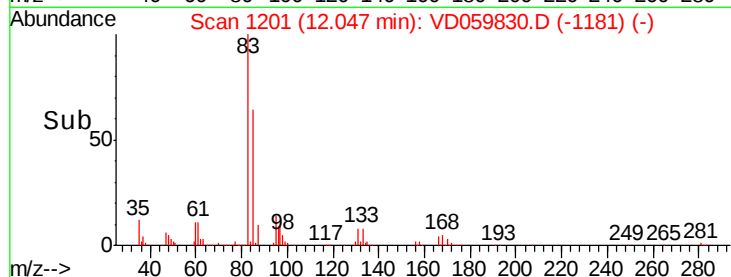
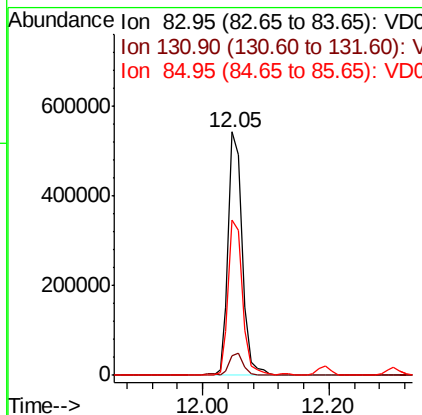
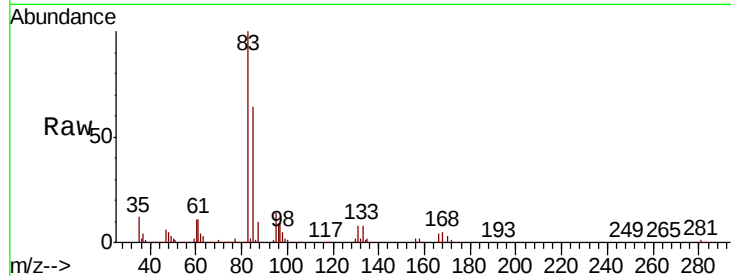
ClientSampleId :

VSTDIC100

Tot Ion	83	Resp	841473
Ion Ratio	100	Lower	Upper
83	100		
131	8.0	4.3	13.1
85	63.7	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 98.14 ug/l

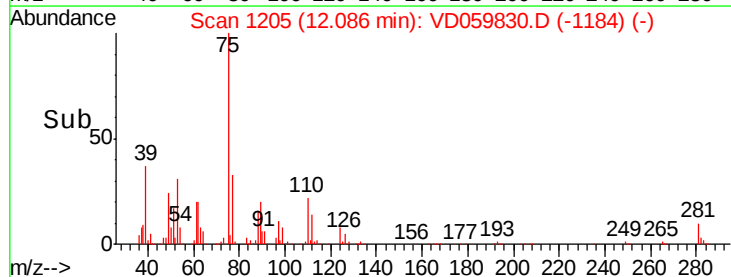
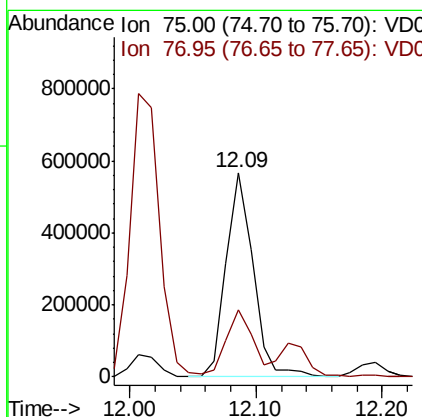
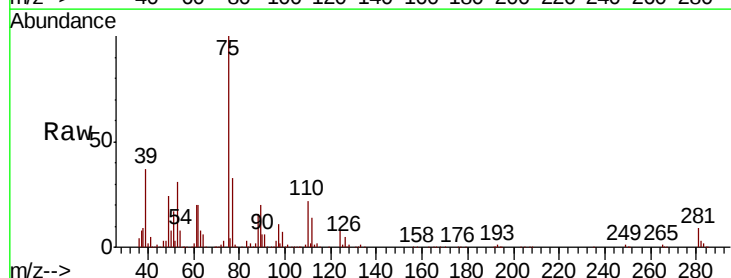
RT: 12.09 min Scan# 1205

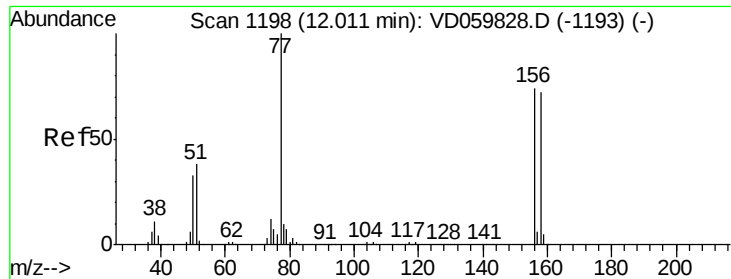
Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion	75	Resp	836160
Ion Ratio	100	Lower	Upper
75	100		
77	32.7	16.0	47.9





#77

Bromobenzene

Concen: 98.92 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 976758

Ion Ratio Lower Upper

156 100

77 118.4 68.0 204.0

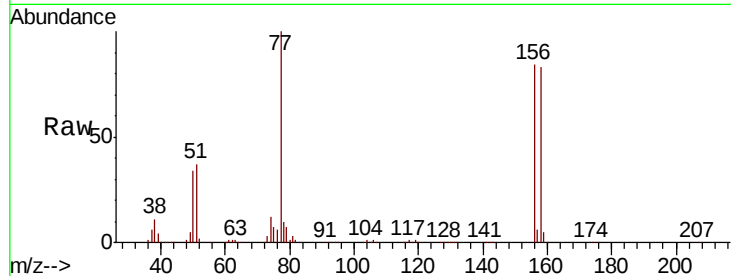
158 98.6 48.9 146.8

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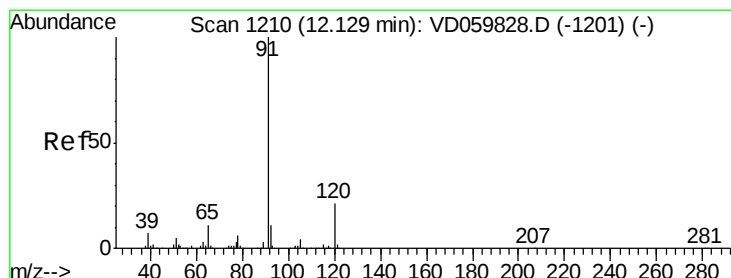
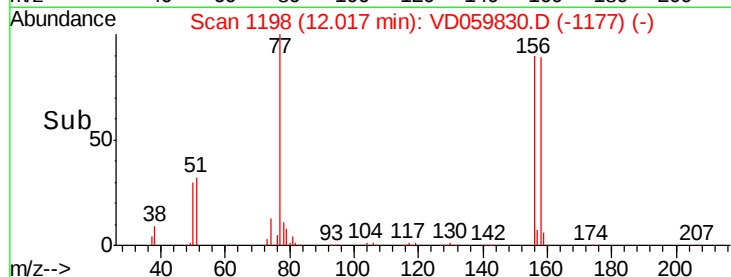
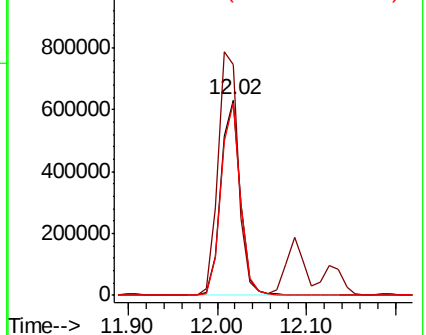
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 87.87 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059830.D

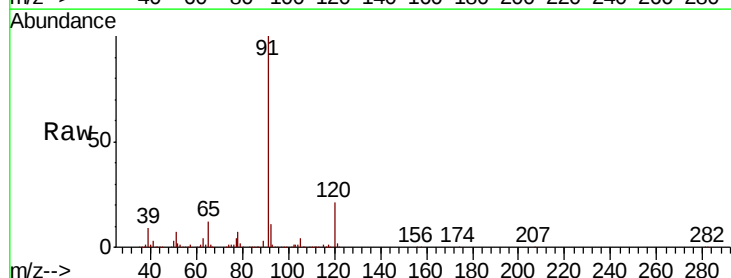
Acq: 20 Aug 2018 14:23

Tgt Ion: 91 Resp: 3926314

Ion Ratio Lower Upper

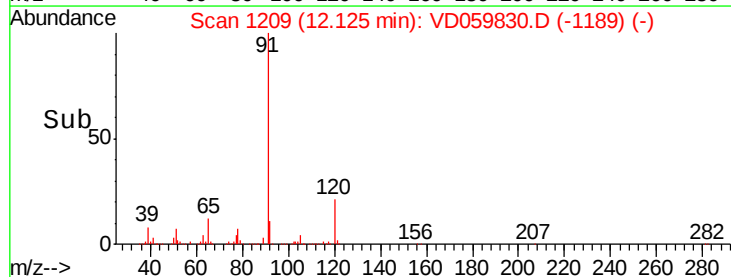
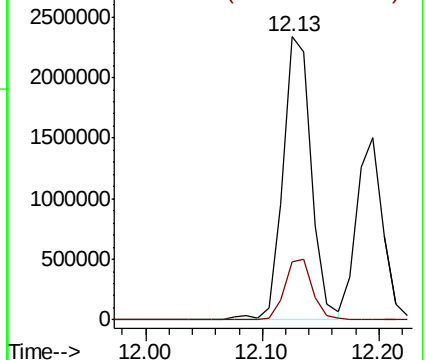
91 100

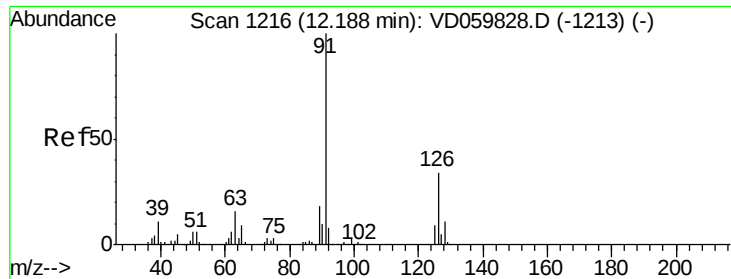
120 20.5 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 91.75 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2341033

Ion Ratio Lower Upper

91 100

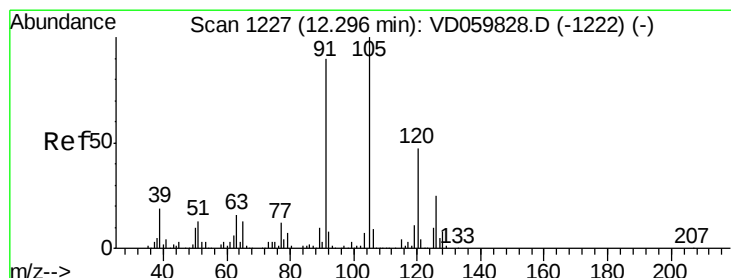
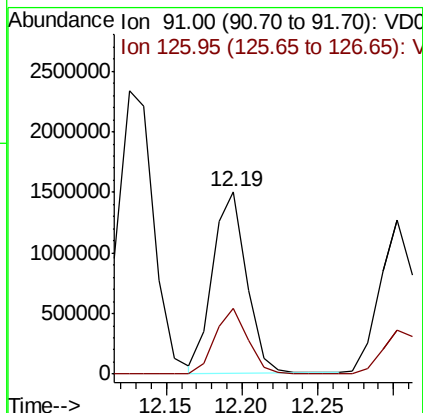
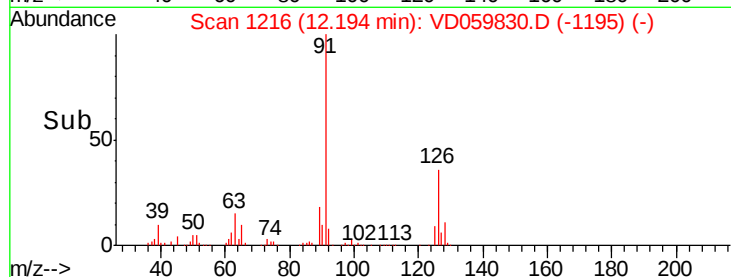
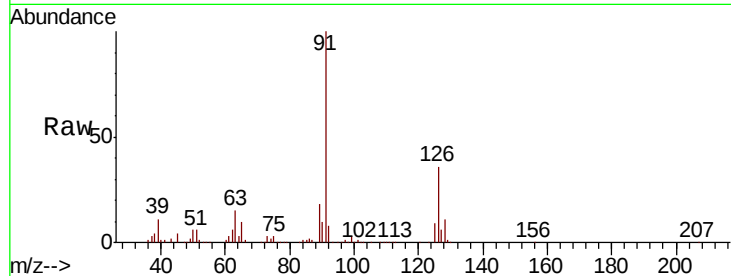
126 35.8 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 77.96 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059830.D

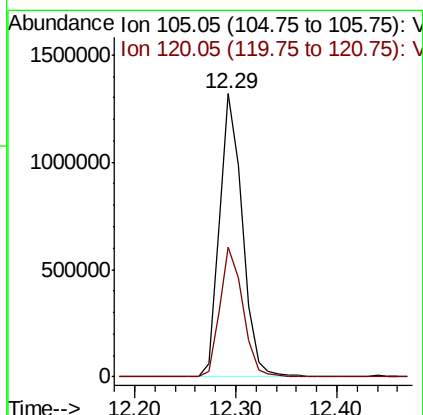
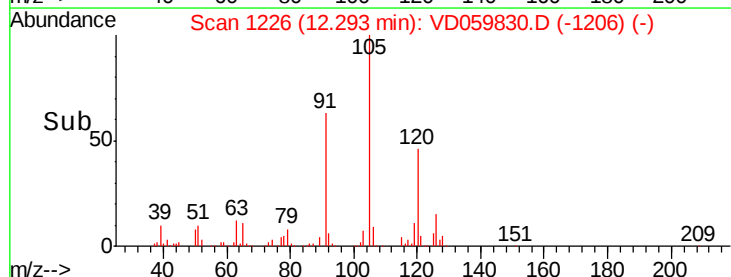
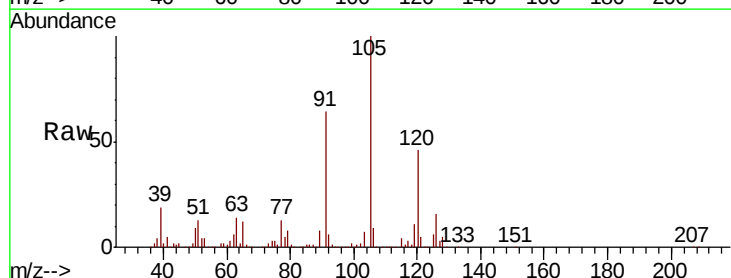
Acq: 20 Aug 2018 14:23

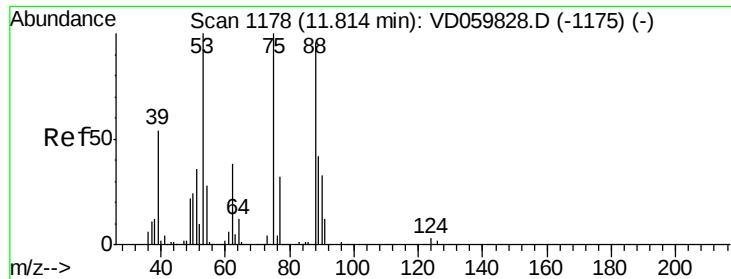
Tgt Ion:105 Resp: 2079590

Ion Ratio Lower Upper

105 100

120 45.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 104.63 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 275748

Ion Ratio Lower Upper

75 100

53 89.8 80.7 121.1

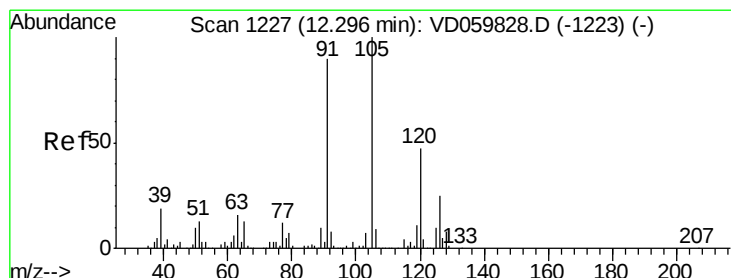
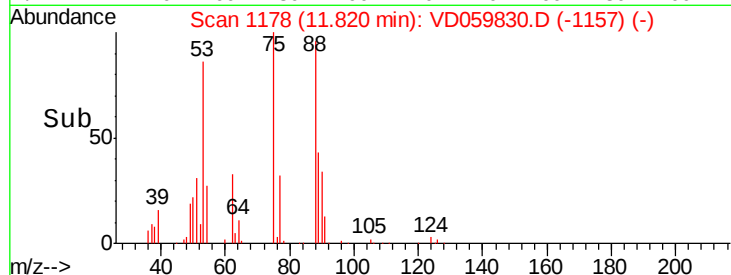
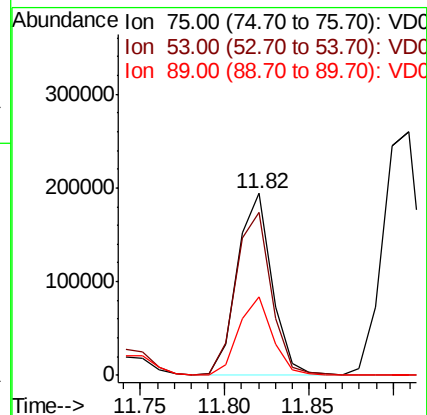
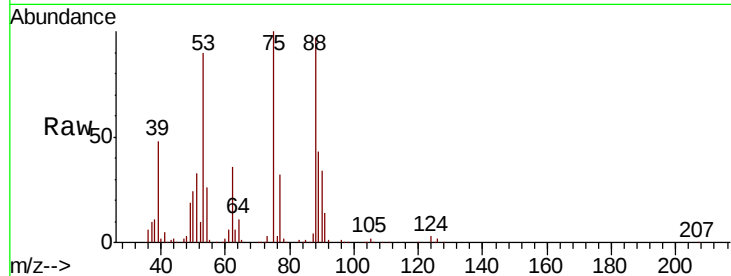
89 42.9 33.9 50.9

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#82

4-Chlorotoluene

Concen: 76.09 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059830.D

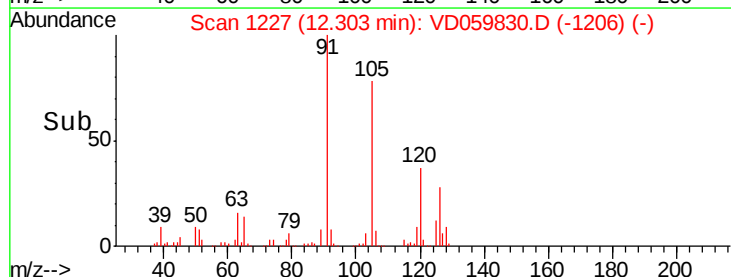
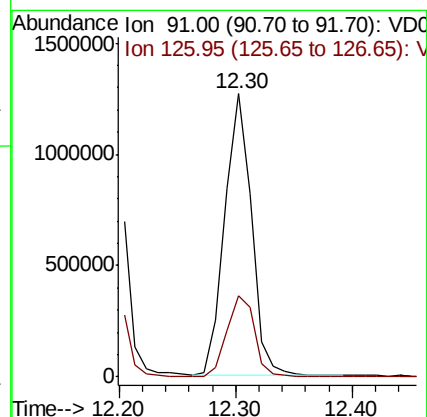
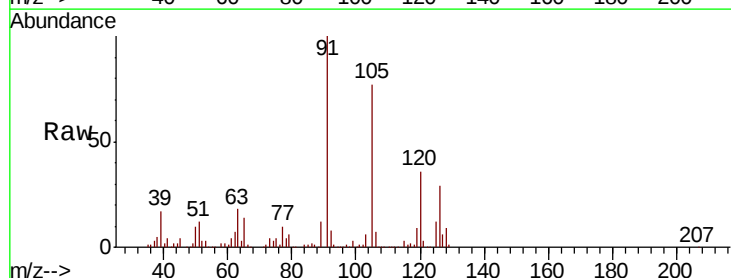
Acq: 20 Aug 2018 14:23

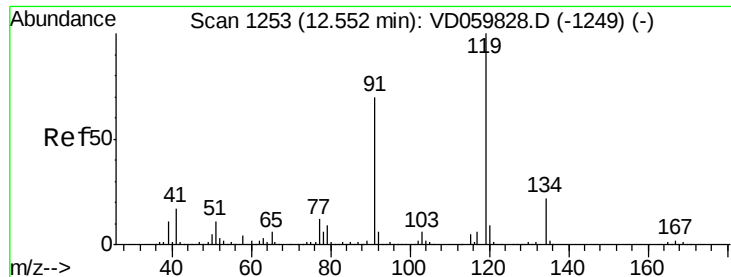
Tgt Ion: 91 Resp: 2018516

Ion Ratio Lower Upper

91 100

126 28.6 13.7 41.0





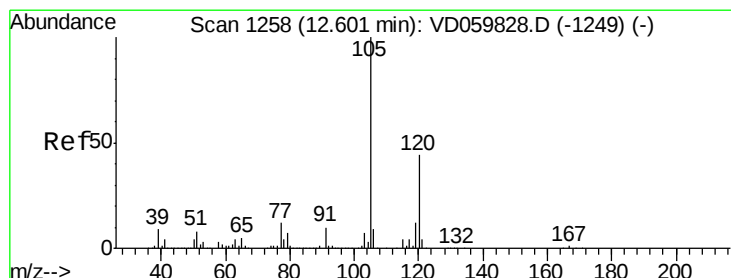
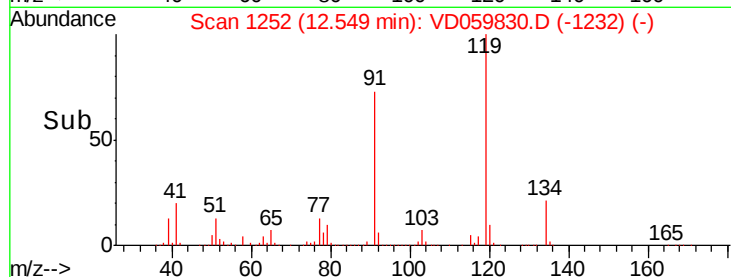
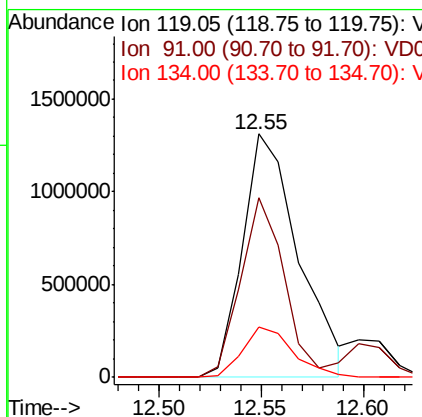
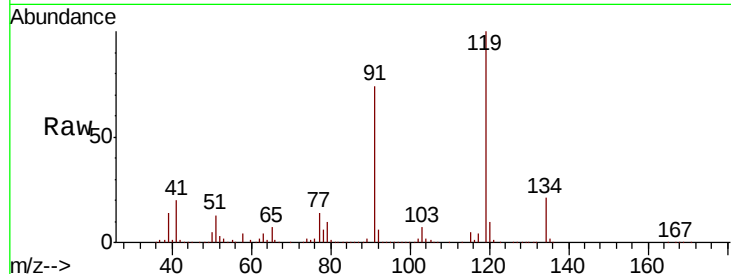
#83
 tert-Butylbenzene
 Concen: 80.38 ug/l m
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2519807
 Ion Ratio Lower Upper
 119 100
 91 73.8 35.1 105.3
 134 20.8 11.0 33.0

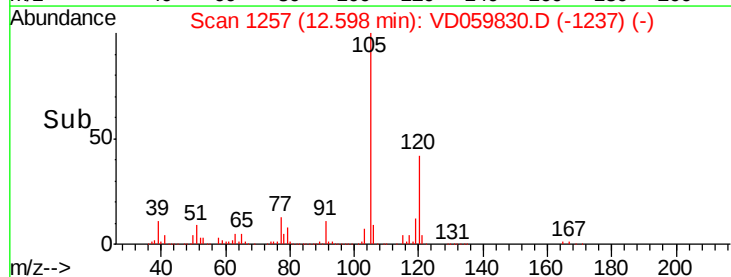
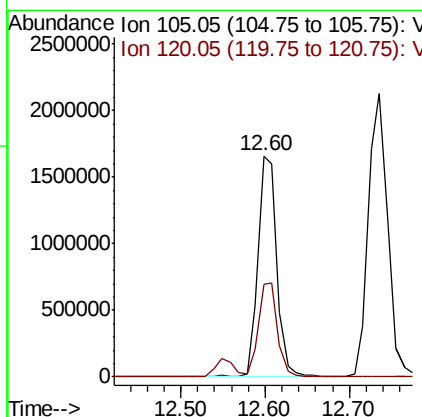
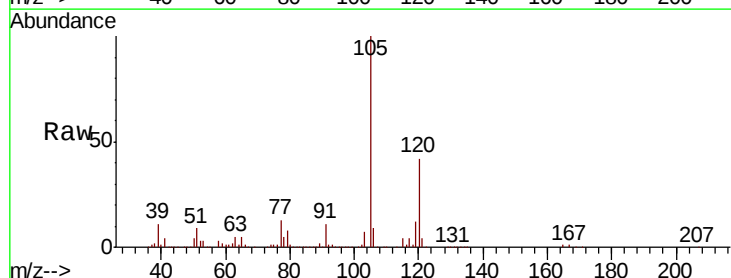
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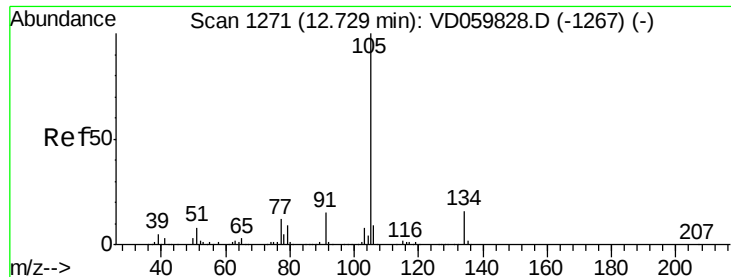
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 89.41 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion:105 Resp: 2639759
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 89.50 ug/l

RT: 12.74 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 3366360

Ion Ratio Lower Upper

105 100

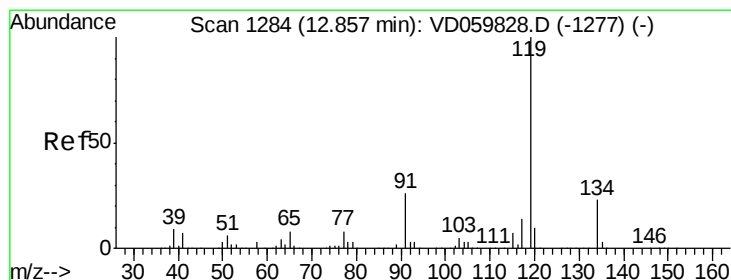
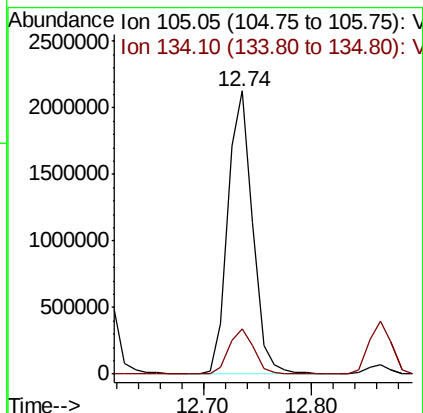
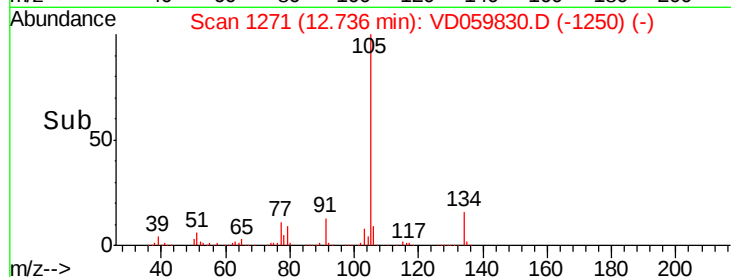
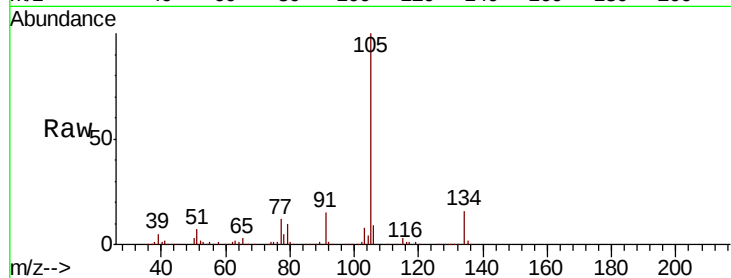
134 16.1 7.8 23.5

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#86

p-Isopropyltoluene

Concen: 85.86 ug/l

RT: 12.86 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

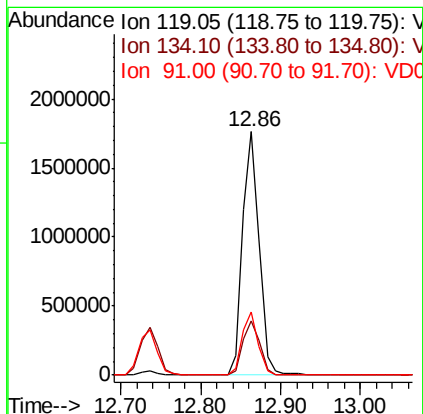
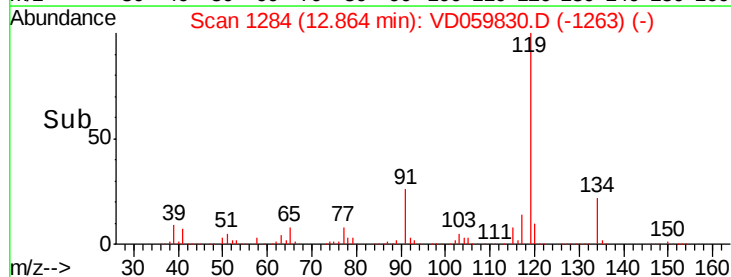
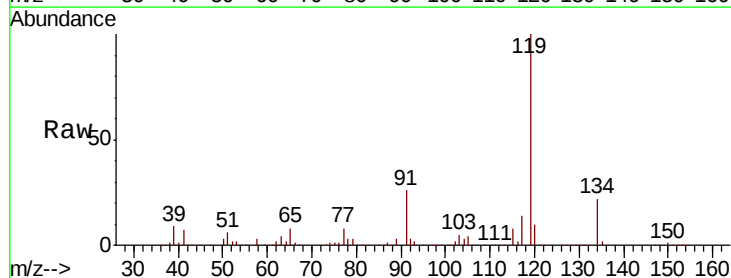
Tgt Ion:119 Resp: 2535061

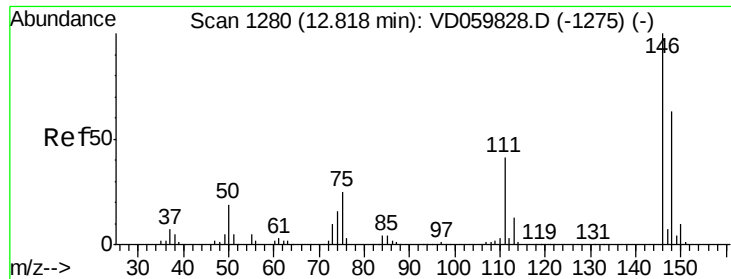
Ion Ratio Lower Upper

119 100

134 22.4 11.5 34.5

91 26.1 13.2 39.6





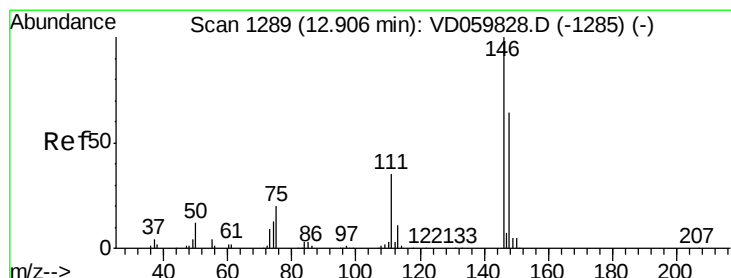
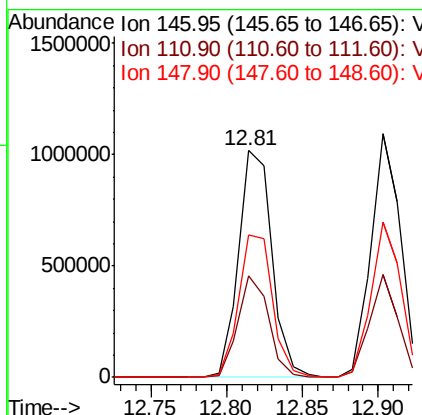
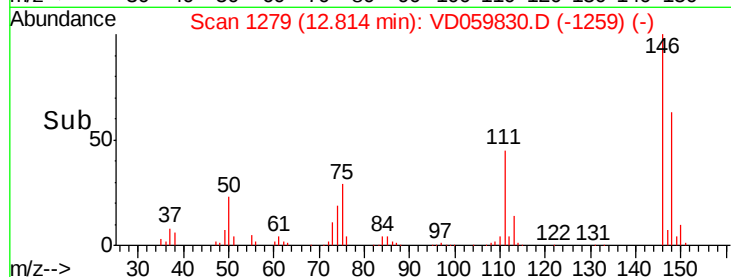
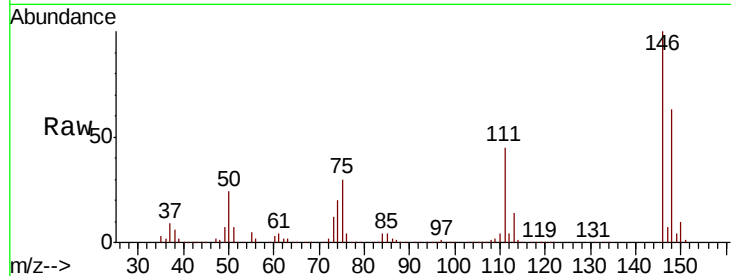
#87
 1,3-Dichlorobenzene
 Concen: 93.75 ug/l
 RT: 12.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.3	60.9
148	63.0	31.6	94.7

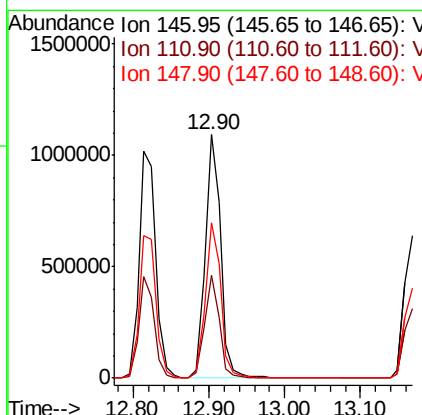
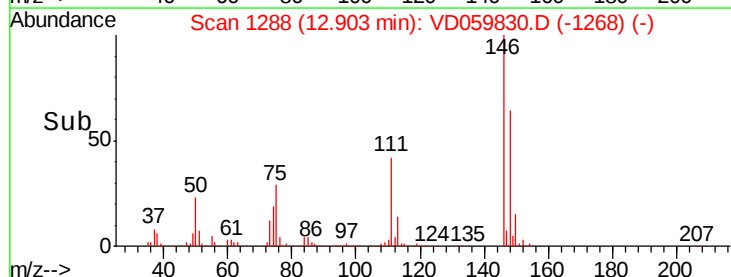
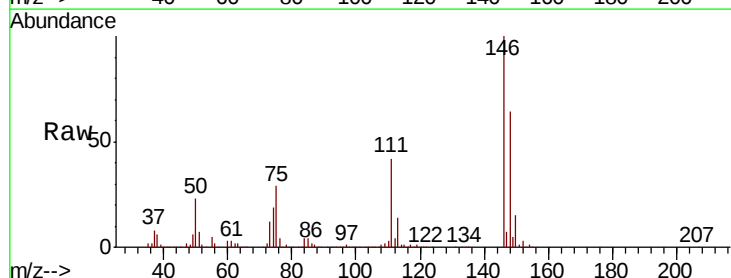
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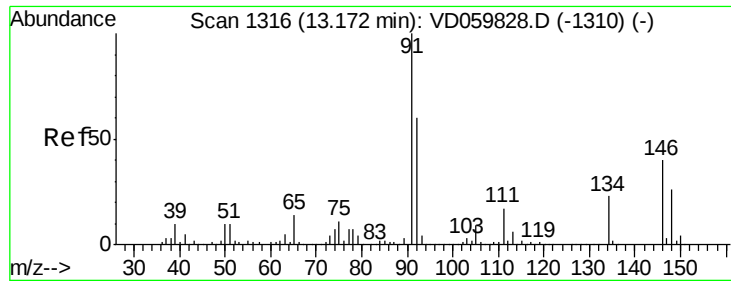
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#88
 1,4-Dichlorobenzene
 Concen: 91.51 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	17.8	53.3
148	64.0	31.9	95.9





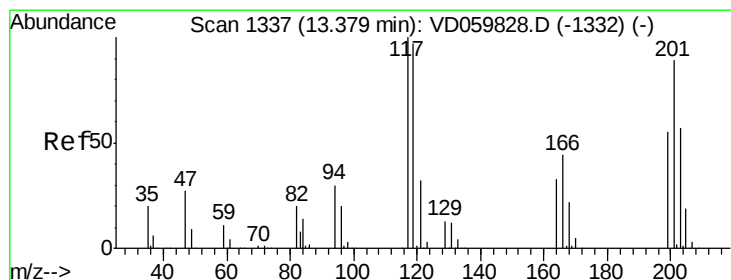
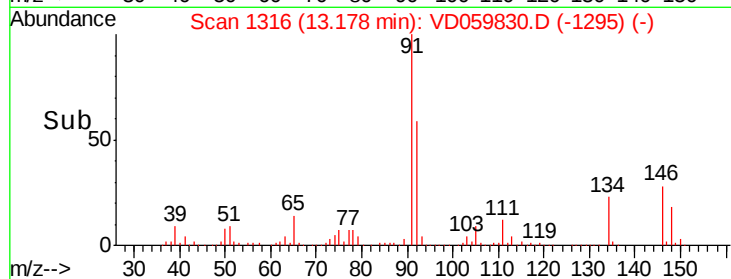
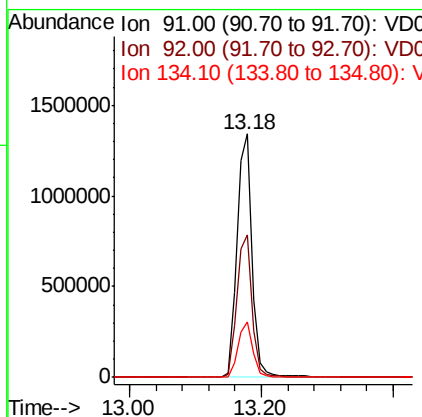
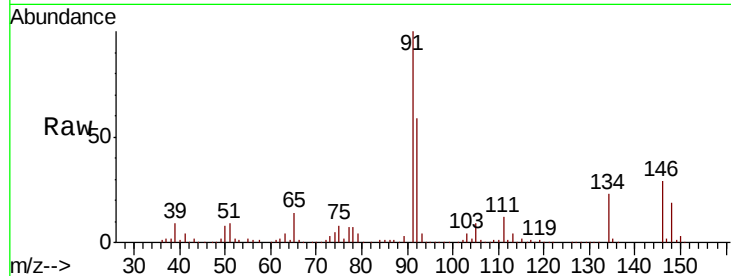
#89
n-Butylbenzene
Concen: 72.07 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2134672
Ion Ratio Lower Upper
91 100
92 58.7 29.8 89.5
134 23.0 11.5 34.4

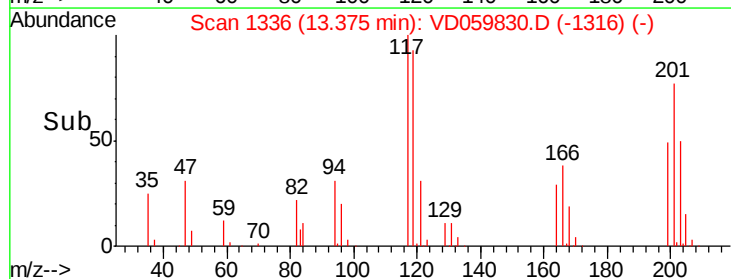
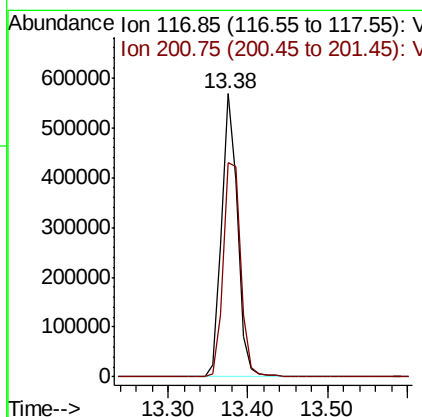
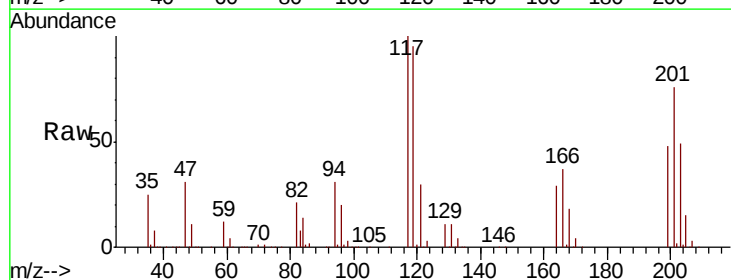
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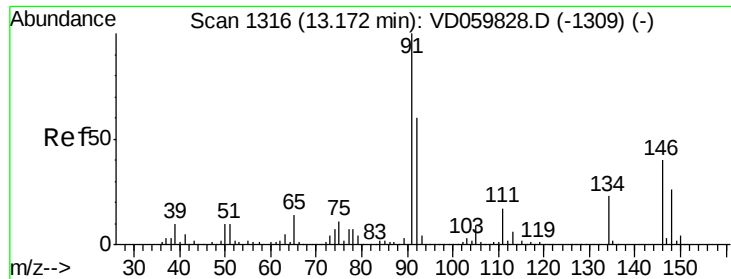
apatel
8/21/2018 10:24:47 AM



#90
Hexachloroethane
Concen: 97.21 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 117 Resp: 810770
Ion Ratio Lower Upper
117 100
201 75.9 44.6 134.0





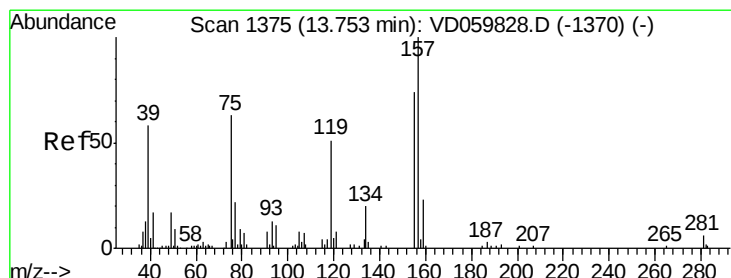
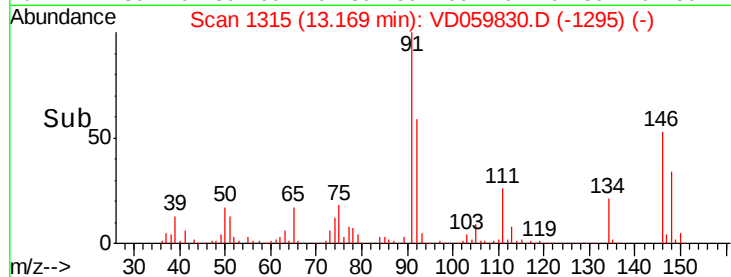
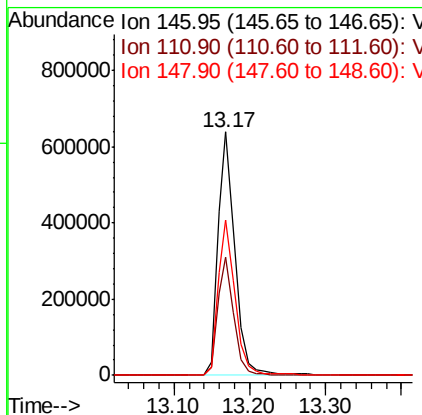
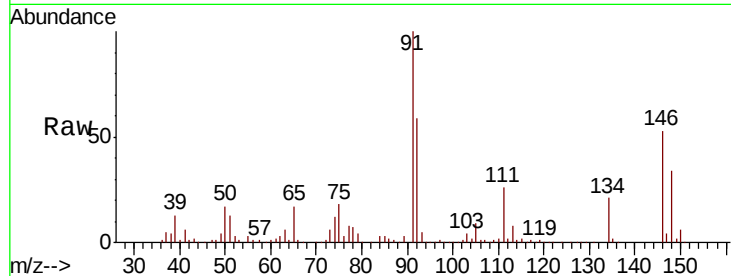
#91
 1,2-Dichlorobenzene
 Concen: 73.13 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	20.9	62.8
148	63.6	31.6	94.8

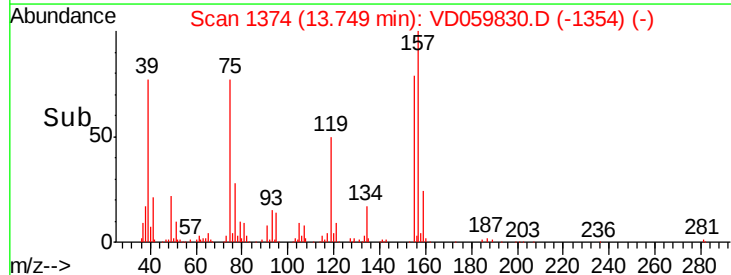
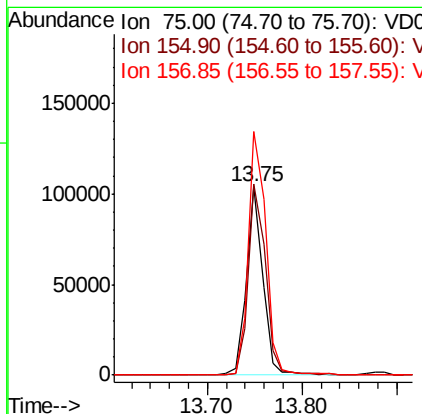
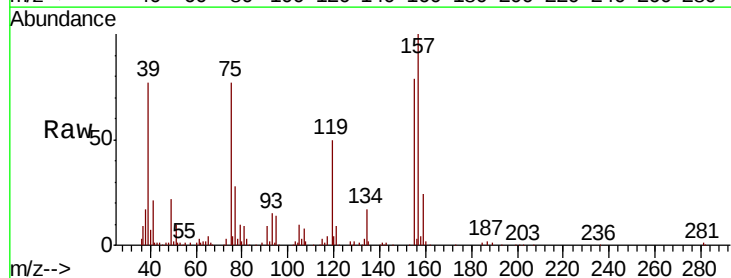
Manual Integrations
 APPROVED

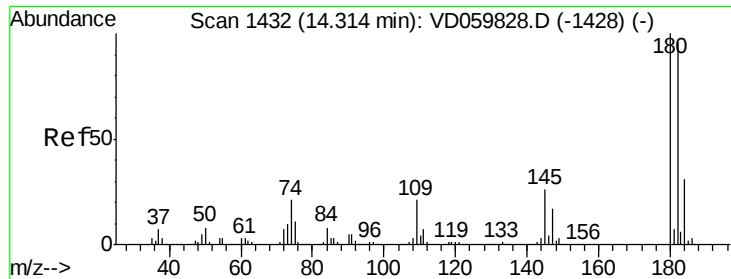
apatel
 8/21/2018 10:24:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.32 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	59.1	177.3
157	129.2	79.7	238.9





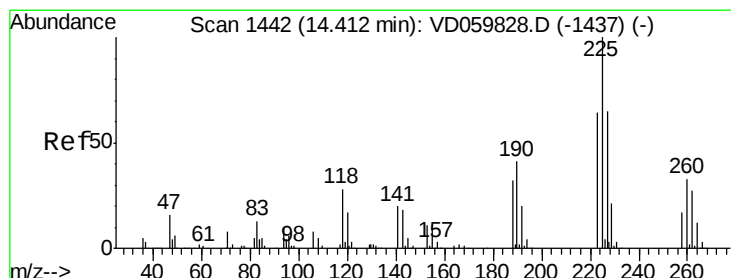
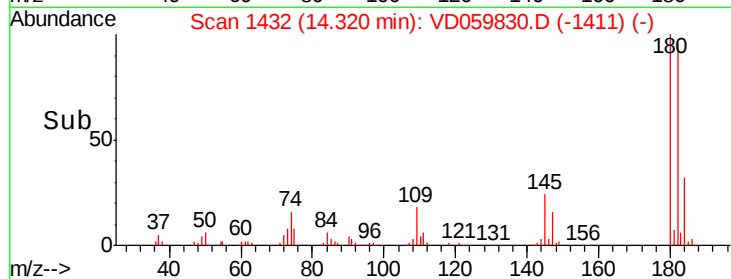
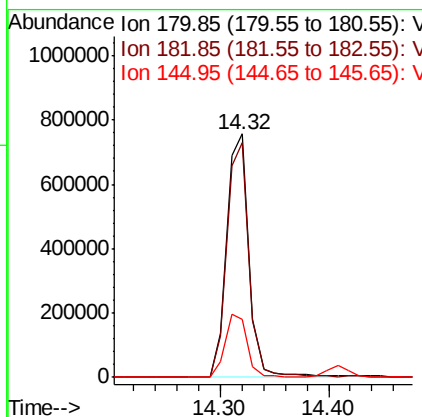
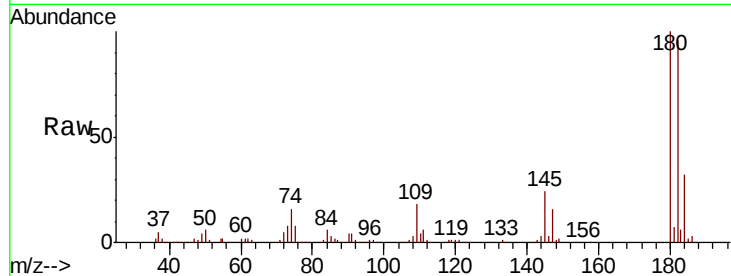
#93
 1,2,4-Trichlorobenzene
 Concen: 90.30 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.0
145	23.9	13.1	39.1

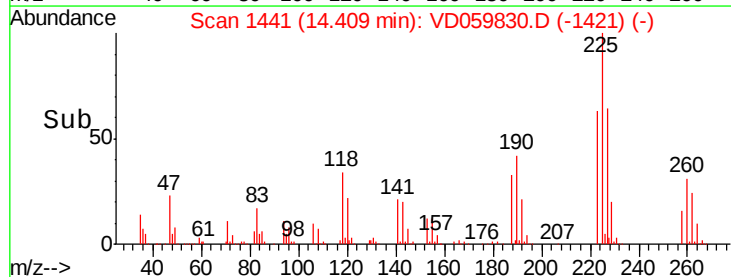
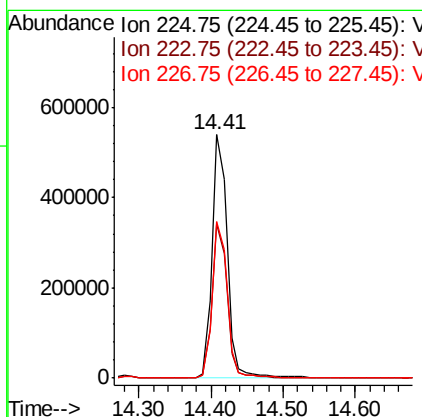
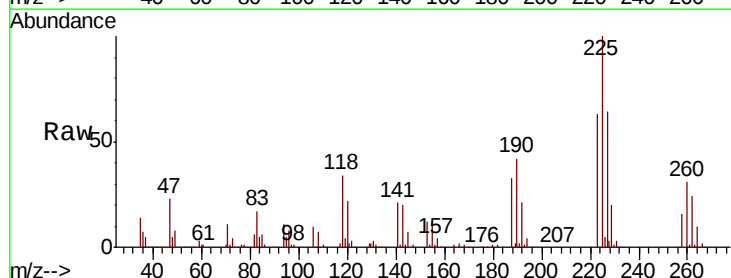
Manual Integrations
 APPROVED

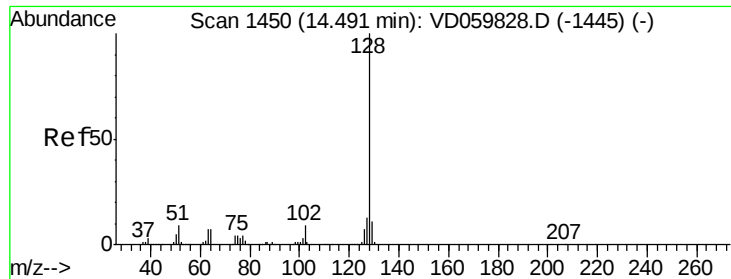
apatel
 8/21/2018 10:24:47 AM



#94
 Hexachlorobutadiene
 Concen: 97.73 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.4
227	64.1	32.8	98.3





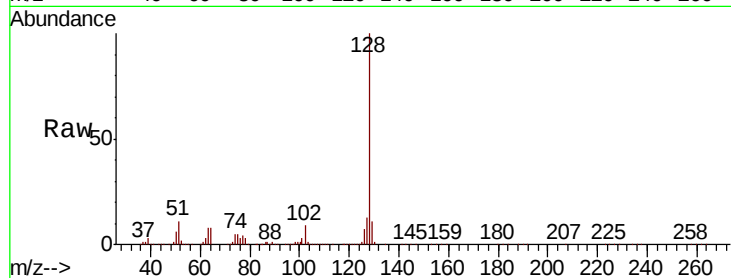
#95
Naphthalene
Concen: 103.78 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.3	8.7	13.1

Manual Integrations
APPROVED

apatel
8/21/2018 10:24:47 AM

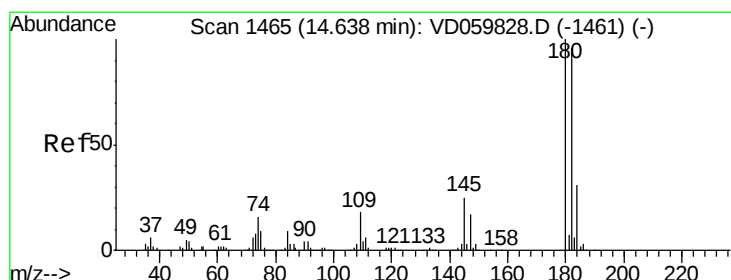
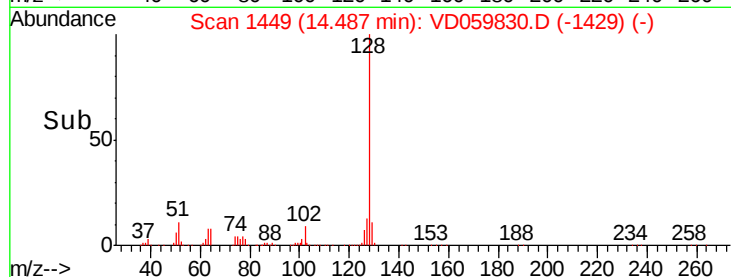
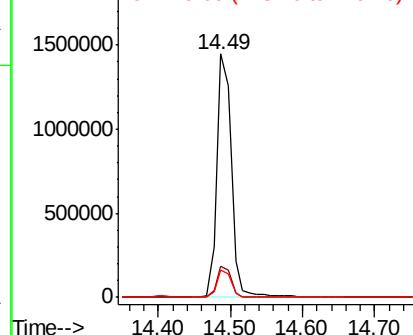


Abundance

Ion 128.00 (127.70 to 128.70): V

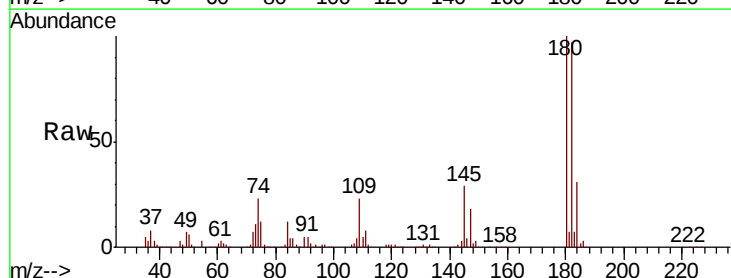
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 94.81 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.4
145	29.2	12.7	38.0



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

