

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059829.D
 Acq On : 20 Aug 2018 13:55
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 8/21/2018 10:23:36 AM

Quant Time: Aug 21 04:27:58 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	971727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1411659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1138136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	518537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	550453	70.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.46%	
35) Dibromofluoromethane	5.50	113	756992	71.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.80%	
50) Toluene-d8	8.67	98	1991850	69.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.76%	
62) 4-Bromofluorobenzene	11.90	95	784377	70.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	574279	68.80	ug/l	99
3) Chloromethane	1.45	50	471412	68.11	ug/l	97
4) Vinyl Chloride	1.53	62	390496	69.61	ug/l	99
5) Bromomethane	1.76	94	53787	71.15	ug/l	93
6) Chloroethane	1.85	64	101919	72.61	ug/l	95
7) Trichlorofluoromethane	2.05	101	415947	70.99	ug/l	97
8) Diethyl Ether	2.31	74	92388	71.66	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.52	101	254015	69.23	ug/l	97
10) Methyl Iodide	2.65	142	306435	80.78	ug/l	94
11) Tert butyl alcohol	3.21	59	104620	357.65	ug/l	100
12) 1,1-Dichloroethene	2.51	96	199144	69.40	ug/l	95
13) Acrolein	2.44	56	110446	400.65	ug/l	92
14) Allyl chloride	2.88	41	523039	68.75	ug/l	99
15) Acrylonitrile	3.32	53	434551	328.96	ug/l	94
16) Acetone	2.57	43	515319	390.34	ug/l	96
17) Carbon Disulfide	2.72	76	692409	72.08	ug/l	99
18) Methyl Acetate	2.90	43	196547	68.23	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	1130440	67.17	ug/l	99
20) Methylene Chloride	3.03	84	226523	50.63	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	533892	66.53	ug/l	98
22) Diisopropyl ether	4.02	45	2670068	68.19	ug/l	95
23) Vinyl Acetate	3.96	43	7230101	341.91	ug/l	100
24) 1,1-Dichloroethane	3.92	63	1192335	69.66	ug/l	100
25) 2-Butanone	4.78	43	1500775	378.58	ug/l	99
26) 2,2-Dichloropropane	4.74	77	887313	65.34	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	711774	68.94	ug/l	98
28) Bromochloromethane	5.09	49	617573	70.39	ug/l	100
29) Tetrahydrofuran	5.13	42	686861	345.45	ug/l	100
30) Chloroform	5.27	83	1171127	69.47	ug/l	99
31) Cyclohexane	5.55	56	1015872	64.94	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	969192	68.10	ug/l	100
36) 1,1-Dichloropropene	5.69	75	820947	67.60	ug/l	99
37) Ethyl Acetate	4.88	43	602755	68.21	ug/l	99
38) Carbon Tetrachloride	5.67	117	813112	67.34	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	913135	70.74	ug/l	99
40) Benzene	5.97	78	2130262	67.95	ug/l	99
41) Methacrylonitrile	5.07	41	325385	71.51	ug/l	98
42) 1,2-Dichloroethane	6.08	62	687641	68.30	ug/l	98
43) Isopropyl Acetate	7.57	43	813092	67.07	ug/l	99
44) Trichloroethene	6.93	130	652130	70.58	ug/l	100
45) 1,2-Dichloropropane	7.30	63	625015	68.77	ug/l	99
46) Dibromomethane	7.42	93	396172	70.15	ug/l	96
47) Bromodichloromethane	7.70	83	868376	69.30	ug/l	99
48) Methyl methacrylate	7.46	41	477174	70.37	ug/l	97
49) 1,4-Dioxane	7.45	88	79965	1415.67	ug/l	93
51) 4-Methyl-2-Pentanone	8.56	43	3130904	375.48	ug/l	100
52) Toluene	8.76	92	1358558	68.30	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	802661	70.33	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	944120	68.91	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	472872	66.79	ug/l	99
56) Ethyl methacrylate	9.28	69	566956	69.68	ug/l	99
57) 1,3-Dichloropropane	9.62	76	705752	68.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	1446030	346.03	ug/l	98
59) 2-Hexanone	9.75	43	2276244	370.63	ug/l	97
60) Dibromochloromethane	9.92	129	643404	70.70	ug/l	100
61) 1,2-Dibromoethane	10.05	107	527505	70.05	ug/l	100
64) Tetrachloroethene	9.47	164	581513	69.57	ug/l	99
65) Chlorobenzene	10.69	112	1529285	69.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.81	131	507174	66.33	ug/l	98
67) Ethyl Benzene	10.83	91	2334698	64.29	ug/l	100
68) m/p-Xylenes	10.98	106	1741719	130.93	ug/l	99
69) o-Xylene	11.37	106	859598	66.14	ug/l	99
70) Styrene	11.40	104	1472438	65.37	ug/l	100
71) Bromoform	11.57	173	478680	71.62	ug/l	98
73) Isopropylbenzene	11.75	105	2277814	64.40	ug/l	100
74) N-amyl acetate	11.62	43	1090031	69.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.05	83	559456	68.80	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	571675	67.47	ug/l	98
77) Bromobenzene	12.01	156	656391	66.85	ug/l	97
78) n-propylbenzene	12.13	91	2851425	64.17	ug/l	98
79) 2-Chlorotoluene	12.19	91	1672639	65.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.29	105	1614855	60.87	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.82	75	185801	70.89	ug/l	95
82) 4-Chlorotoluene	12.30	91	1552410	58.85	ug/l	99
83) tert-Butylbenzene	12.55	119	1866838m	59.88	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1841472	62.71	ug/l	100
85) sec-Butylbenzene	12.73	105	2367506	63.29	ug/l	100
86) p-Isopropyltoluene	12.86	119	1913469	65.17	ug/l	100
87) 1,3-Dichlorobenzene	12.82	146	1101030	66.50	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	1116217	67.01	ug/l	99
89) n-Butylbenzene	13.17	91	1712856	58.15	ug/l	99
90) Hexachloroethane	13.38	117	566171	68.26	ug/l	99
91) 1,2-Dichlorobenzene	13.16	146	809267	60.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.74	75	83896	69.64	ug/l	57

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VSTDICC075

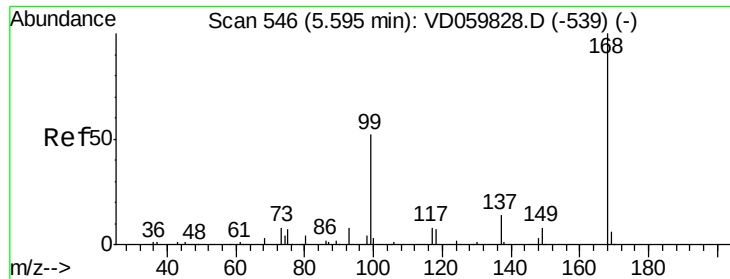
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	833946	69.32	ug/l	99
94) Hexachlorobutadiene	14.41	225	547587	68.50	ug/l	98
95) Naphthalene	14.49	128	1336896	69.65	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	728488	69.75	ug/l	98

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



#1

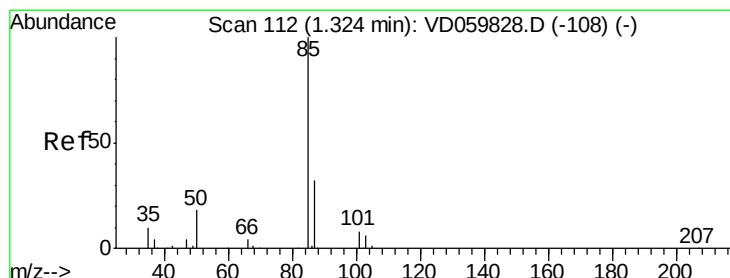
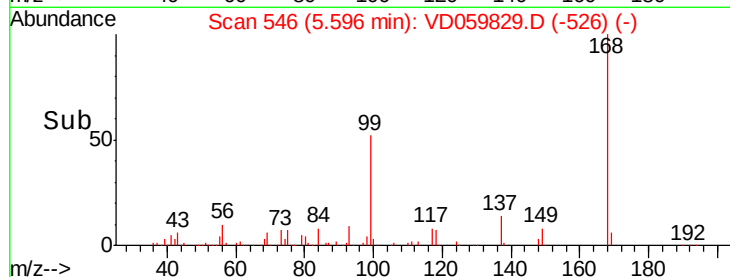
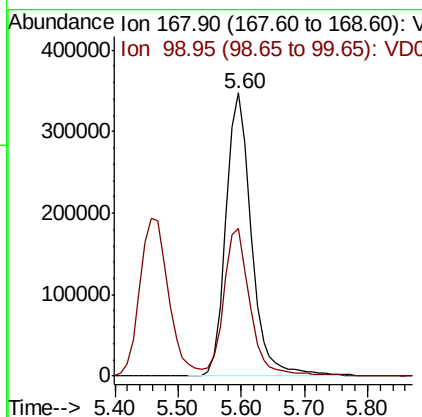
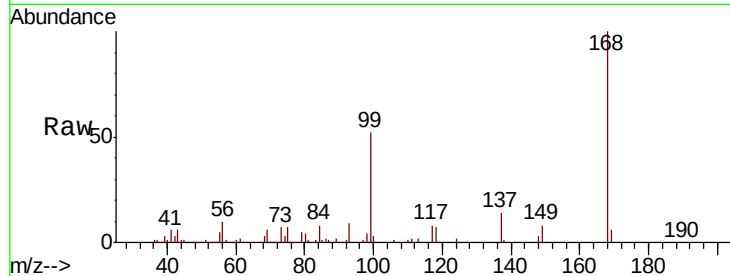
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.2	43.6	65.4

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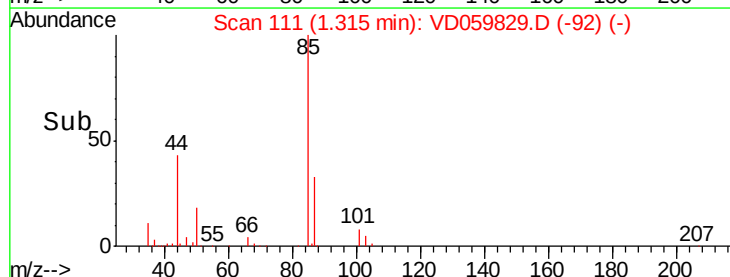
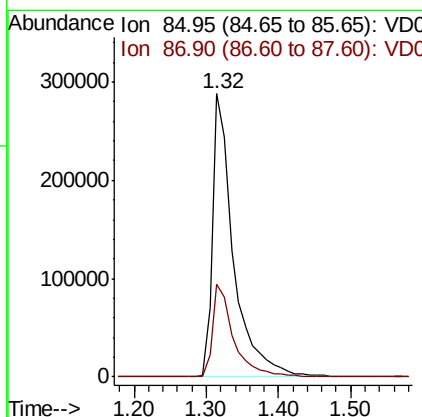
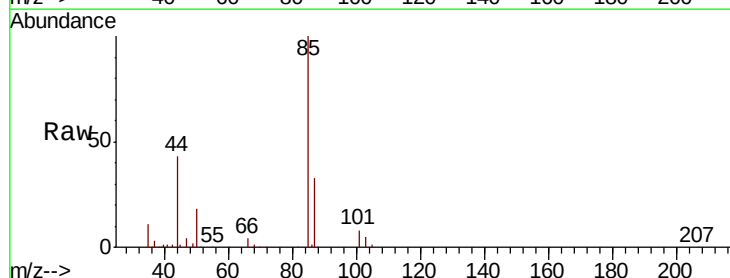
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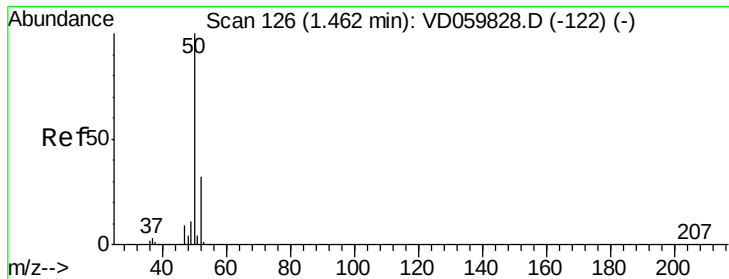


#2

Dichlorodifluoromethane
 Concen: 68.80 ug/l
 RT: 1.32 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.3





#3

Chloromethane

Concen: 68.11 ug/l

RT: 1.45 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 471412

Ion Ratio Lower Upper

50 100

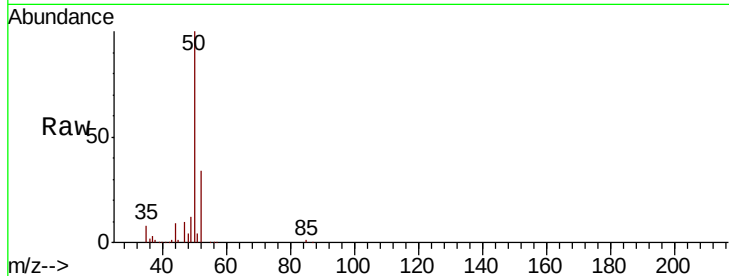
52 33.6 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.45

200000

150000

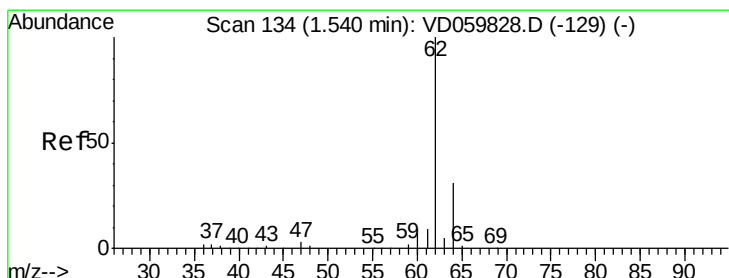
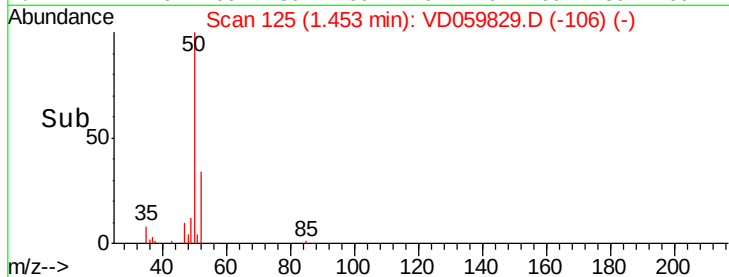
100000

50000

0

1.40 1.50 1.60

Time-->



#4

Vinyl Chloride

Concen: 69.61 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059829.D

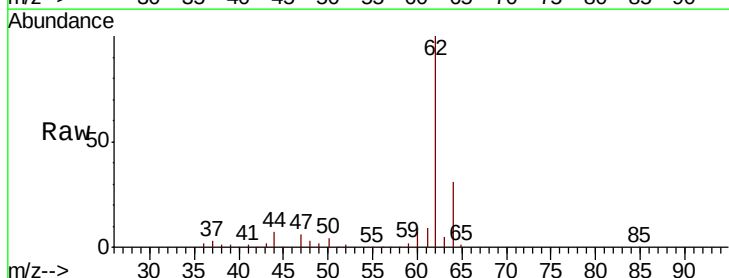
Acq: 20 Aug 2018 13:55

Tgt Ion: 62 Resp: 390496

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

250000

200000

150000

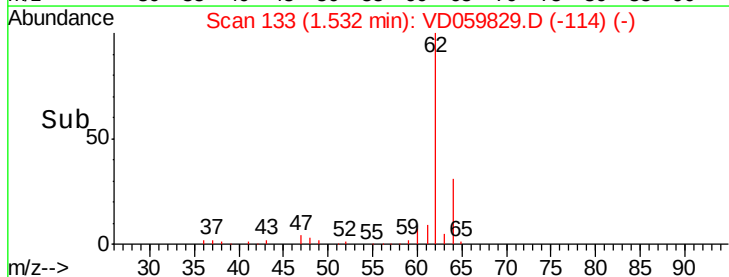
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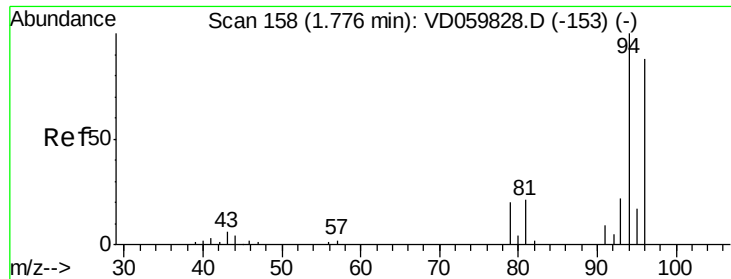
50000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 71.15 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 53787

Ion Ratio Lower Upper

94 100

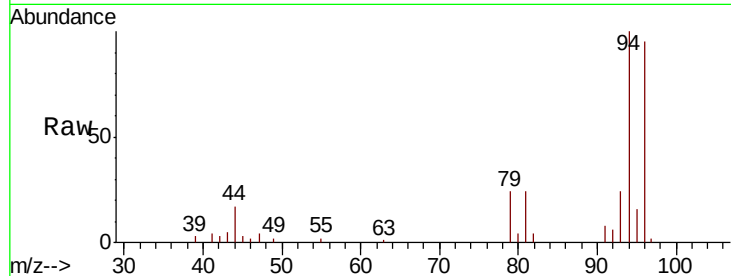
96 95.1 70.8 106.2

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.76

25000

20000

15000

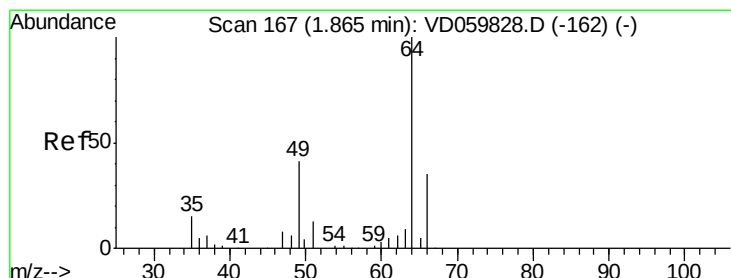
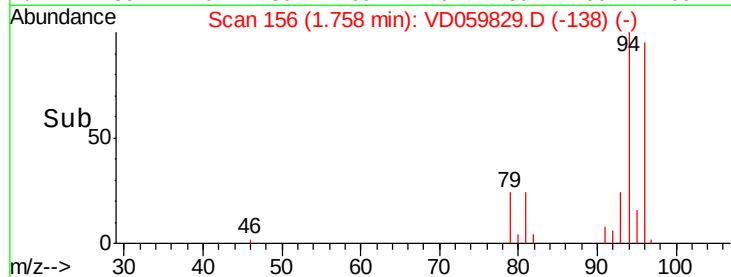
10000

5000

0

Time-->

1.70 1.80 1.90 2.00



#6

Chloroethane

Concen: 72.61 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059829.D

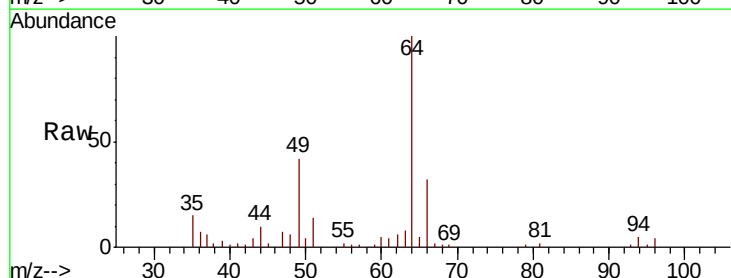
Acq: 20 Aug 2018 13:55

Tgt Ion: 64 Resp: 101919

Ion Ratio Lower Upper

64 100

66 31.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.85

40000

30000

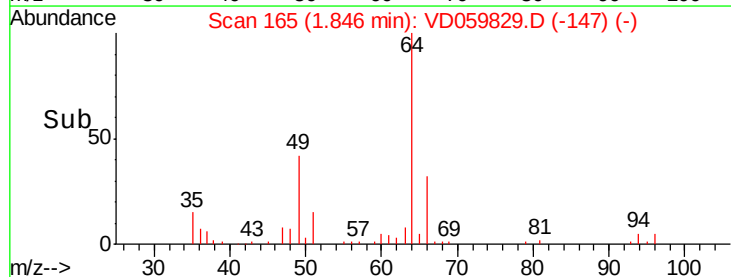
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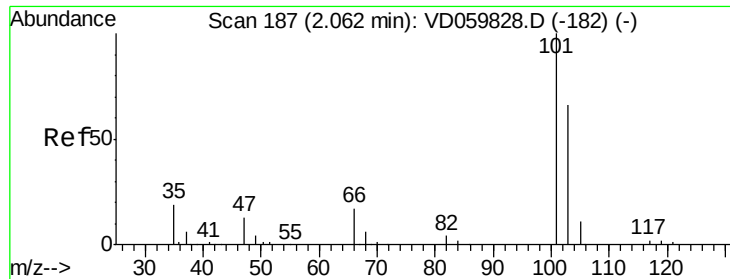
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Time-->

1.70 1.80 1.90 2.00 2.10





#7

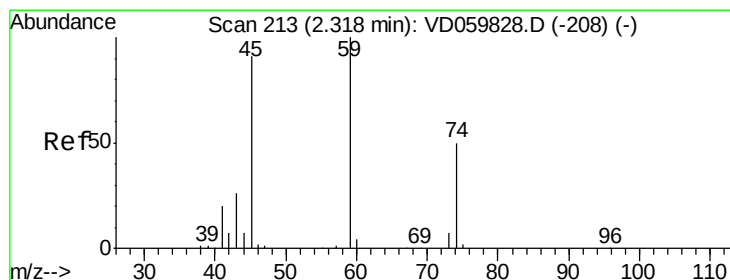
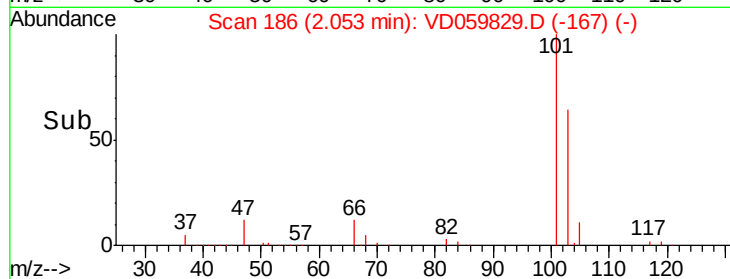
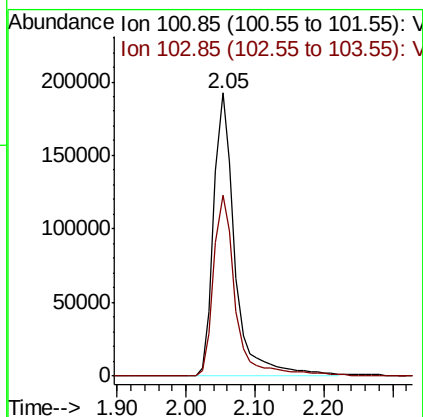
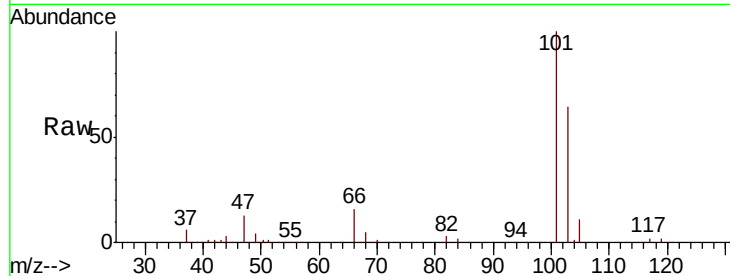
Trichlorofluoromethane
Concen: 70.99 ug/l
RT: 2.05 min Scan# 186
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 415947
Ion Ratio Lower Upper
101 100
103 63.8 53.0 79.4

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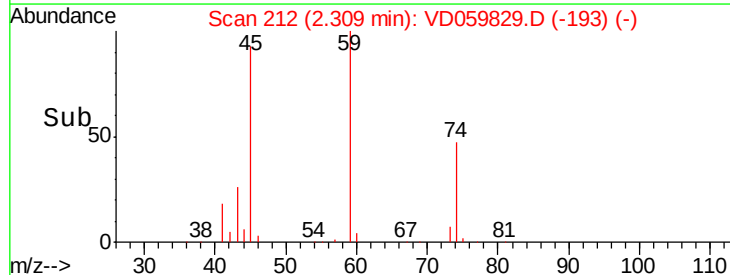
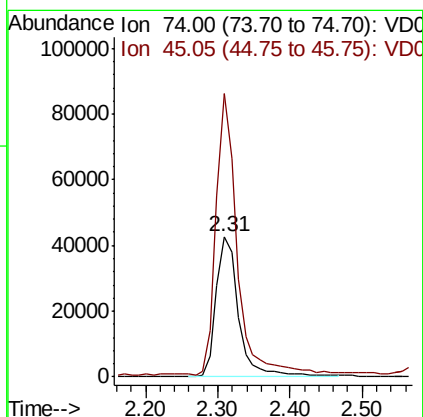
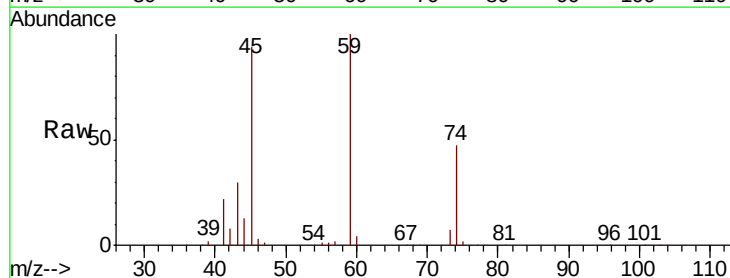
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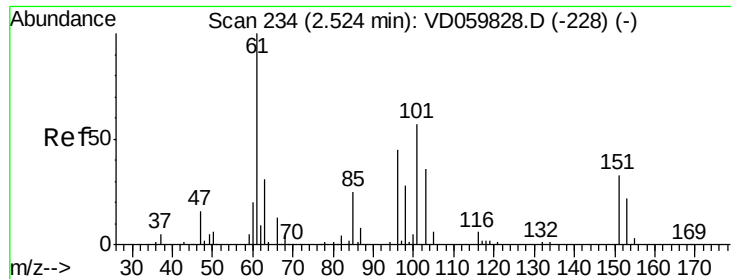


#8

Diethyl Ether
Concen: 71.66 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 74 Resp: 92388
Ion Ratio Lower Upper
74 100
45 201.4 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.23 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

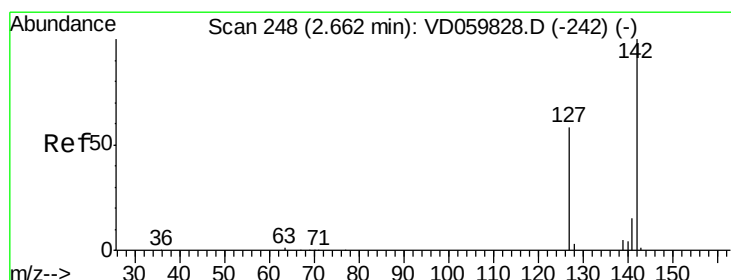
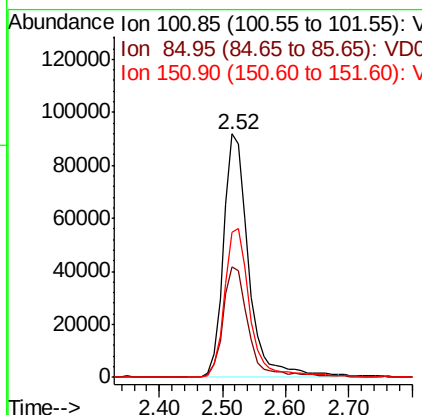
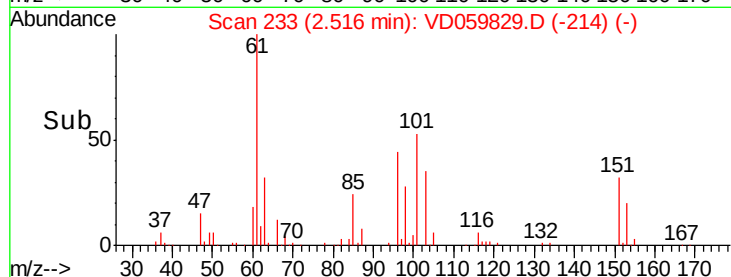
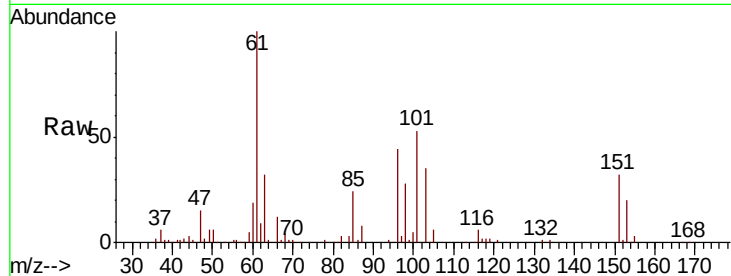
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	254015
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.7	53.5
151	59.7	45.8	68.6

Manual Integrations
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#10

Methyl Iodide

Concen: 80.78 ug/l

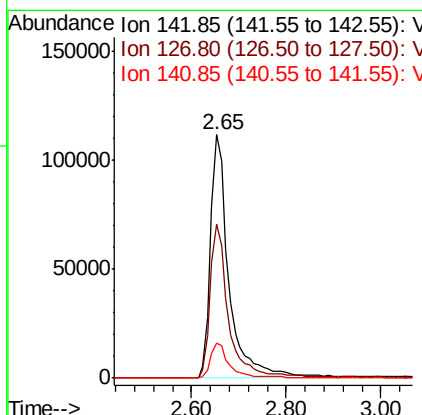
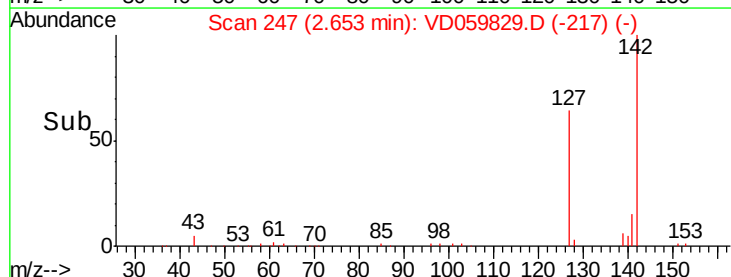
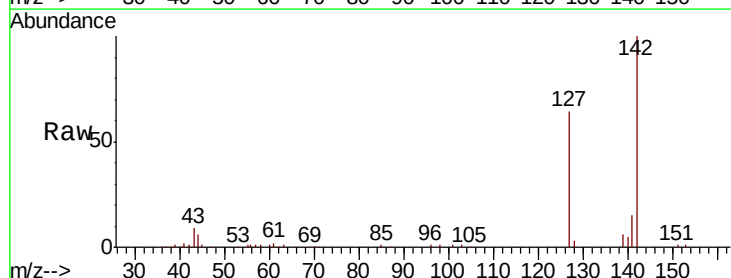
RT: 2.65 min Scan# 247

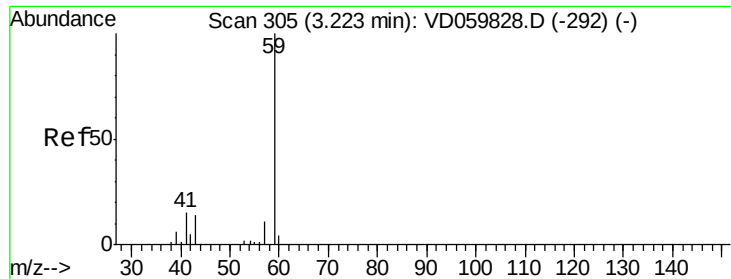
Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion:	142	Resp:	306435
Ion Ratio	Lower	Upper	
142	100		
127	63.5	46.6	69.8
141	14.5	11.7	17.5





#11

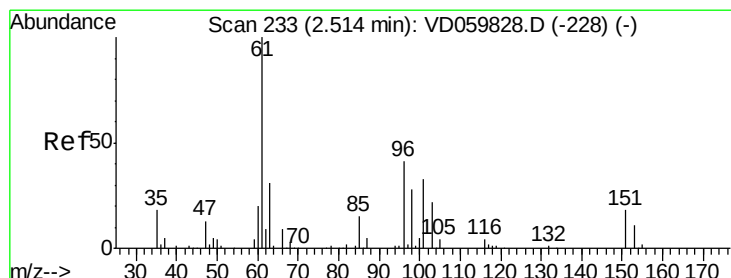
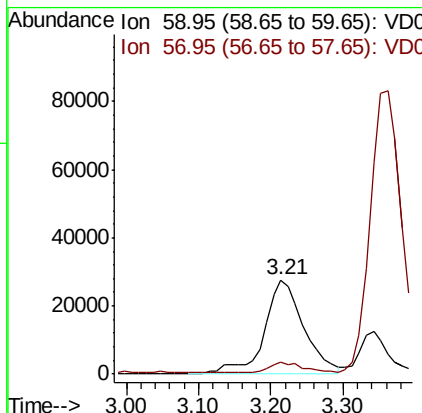
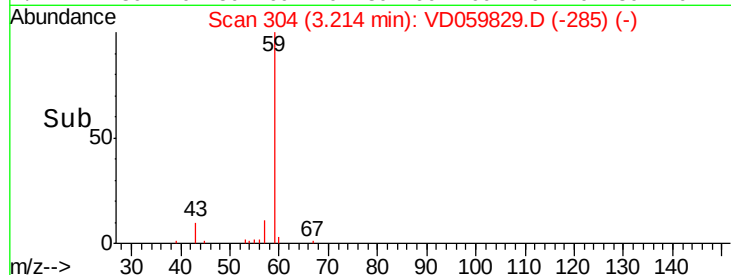
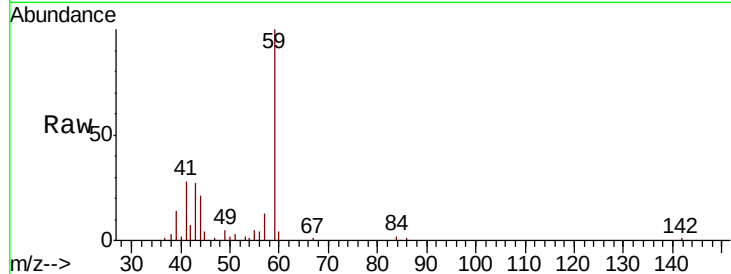
Tert butyl alcohol
Concen: 357.65 ug/l
RT: 3.21 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	10.3	15.5

Manual Integrations
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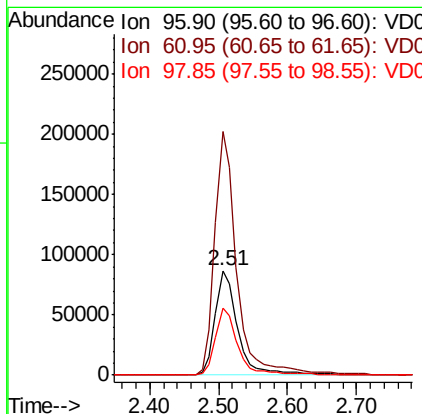
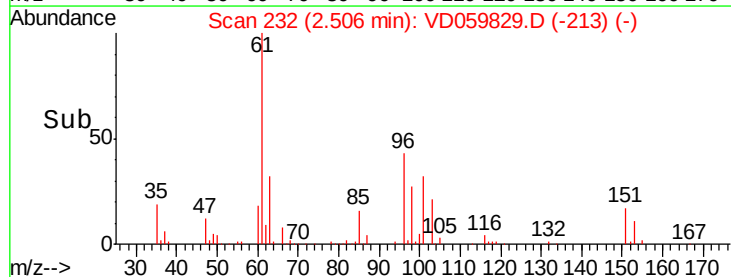
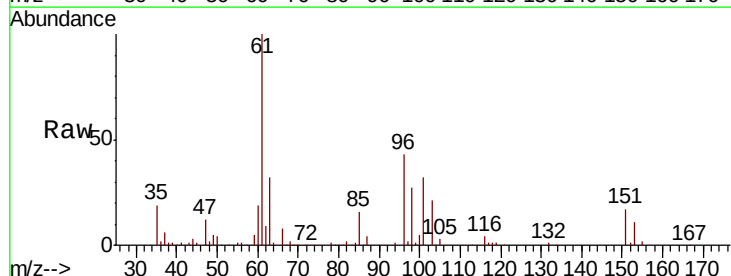
apatel
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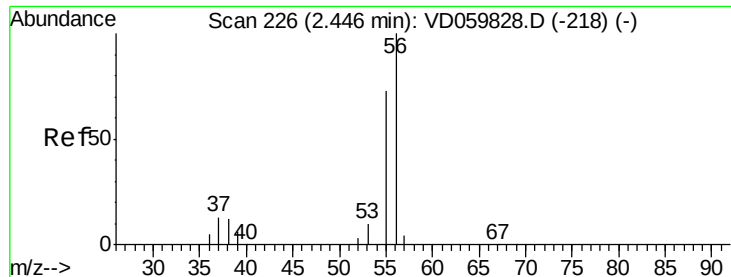


#12

1,1-Dichloroethene
Concen: 69.40 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.6	194.0	291.0
98	63.7	53.4	80.0





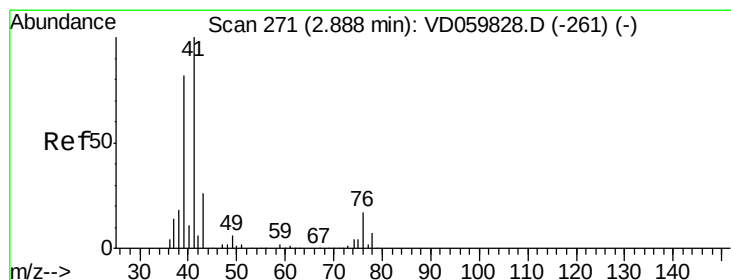
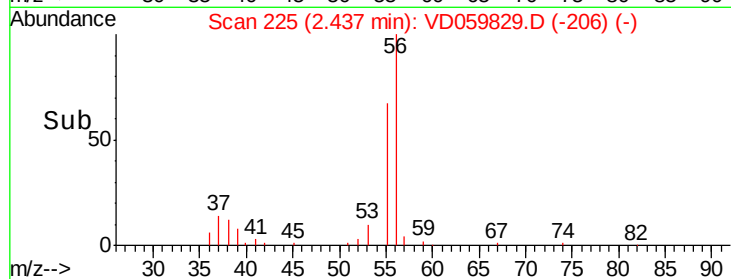
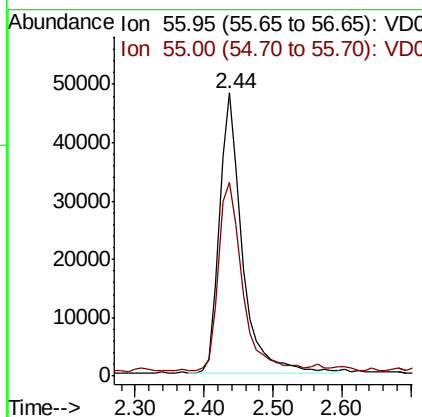
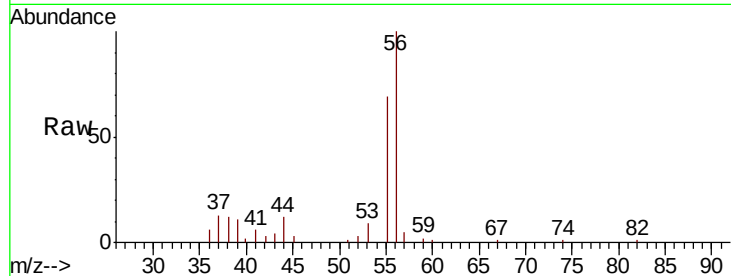
#13
Acrolein
Concen: 400.65 ug/l
RT: 2.44 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.6	60.4	90.6

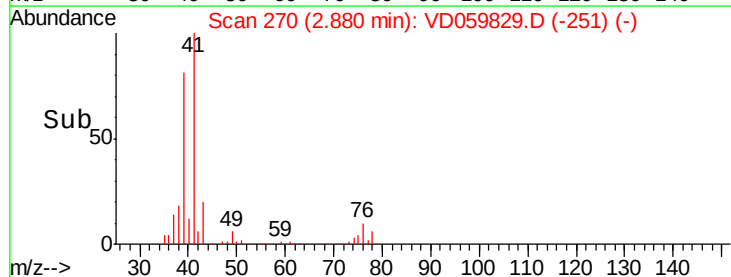
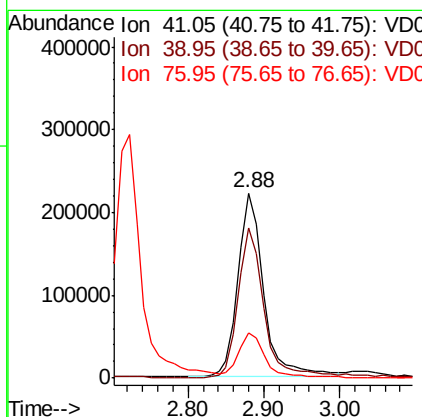
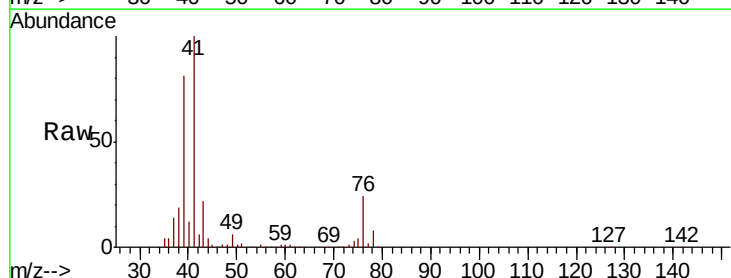
Manual Integrations
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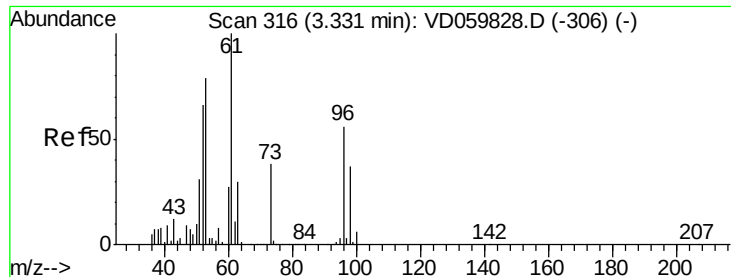
apatel
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#14
Allyl chloride
Concen: 68.75 ug/l
RT: 2.88 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.5	65.9	98.9
76	24.2	19.9	29.9





#15

Acrylonitrile

Concen: 328.96 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

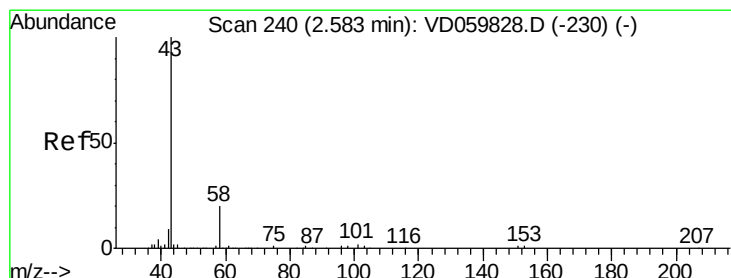
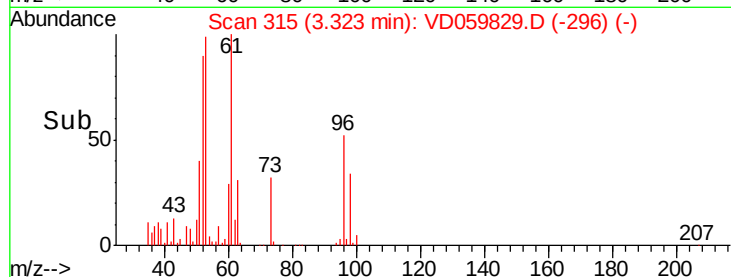
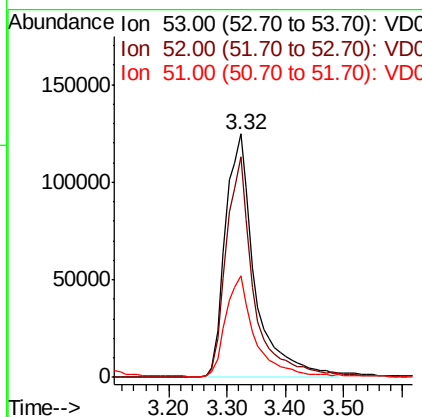
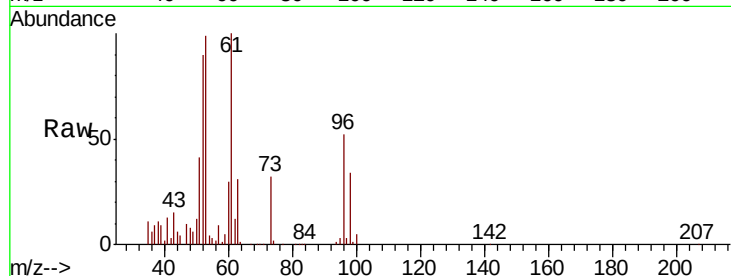
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	434551
Ion	Ratio	Lower	Upper
53	100		
52	90.5	66.8	100.2
51	41.4	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 390.34 ug/l

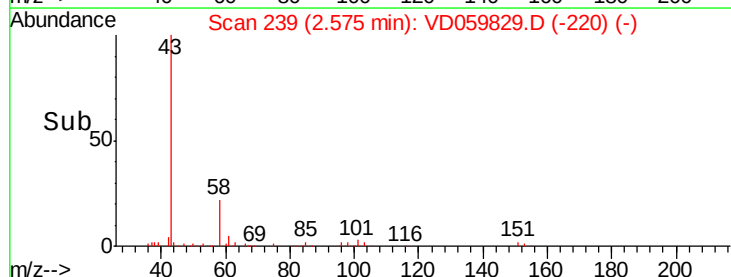
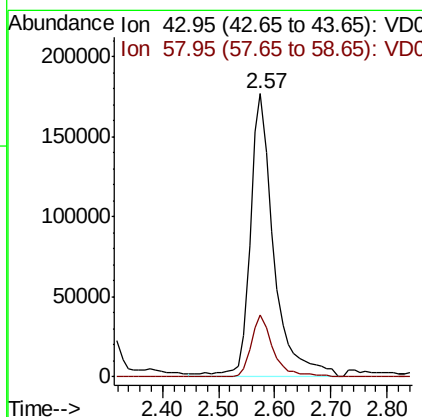
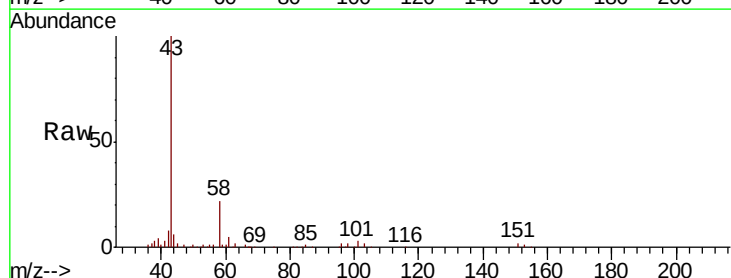
RT: 2.57 min Scan# 239

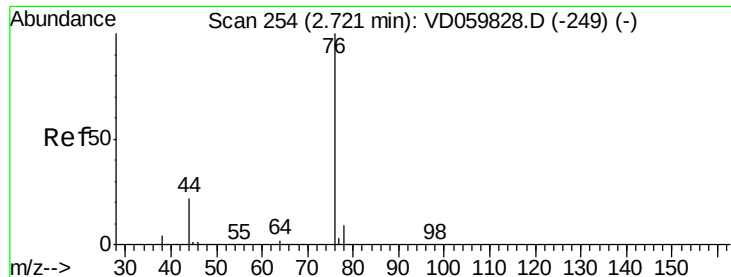
Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion:	43	Resp:	515319
Ion	Ratio	Lower	Upper
43	100		
58	21.8	16.2	24.2





#17

Carbon Disulfide

Concen: 72.08 ug/l

RT: 2.72 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 692409

Ion Ratio Lower Upper

76 100

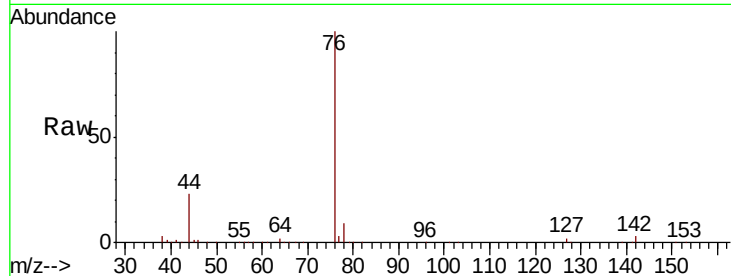
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.72

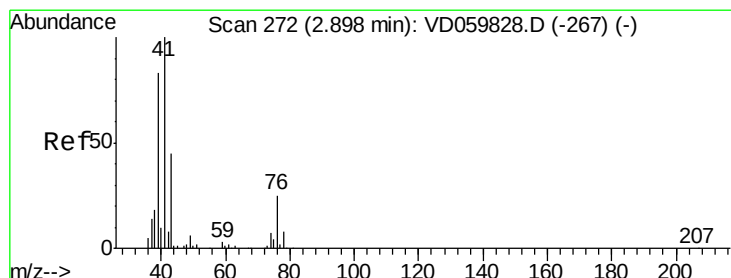
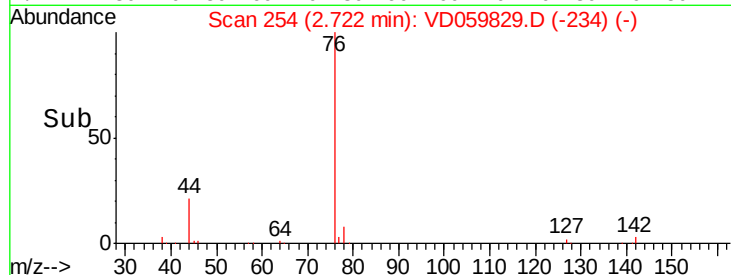
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 68.23 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059829.D

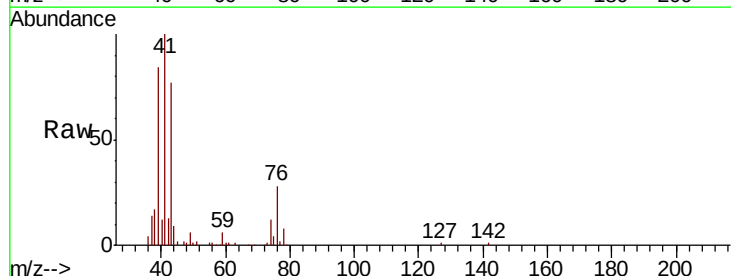
Acq: 20 Aug 2018 13:55

Tgt Ion: 43 Resp: 196547

Ion Ratio Lower Upper

43 100

74 15.0 11.4 17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.90

80000

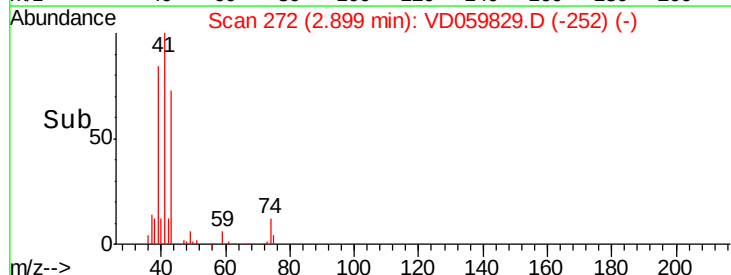
60000

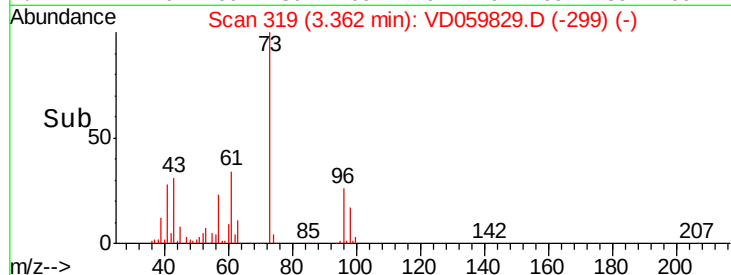
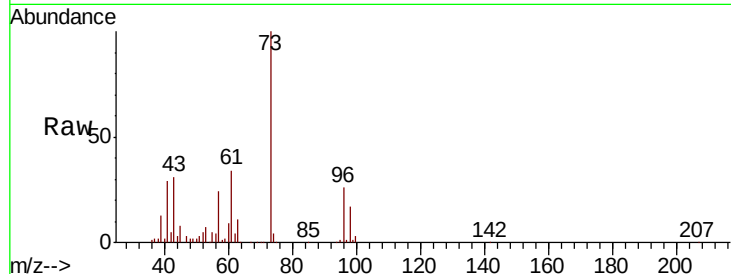
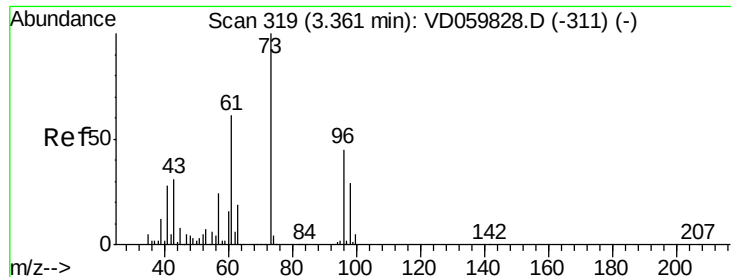
40000

20000

0

Time-->





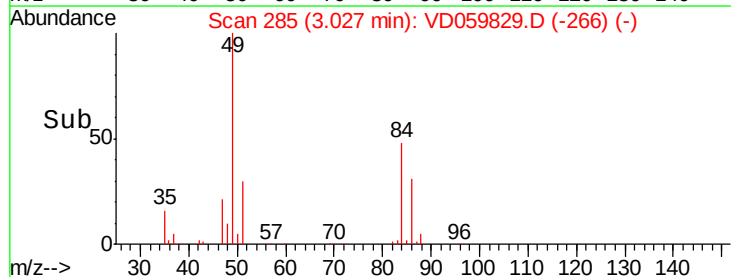
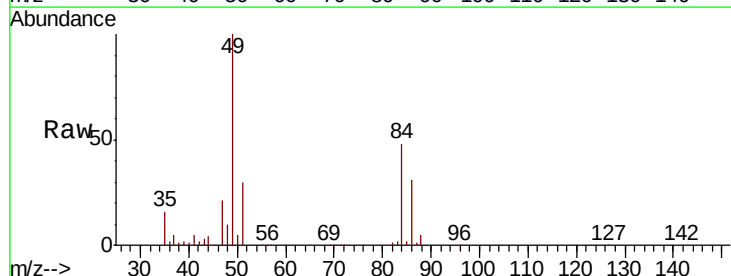
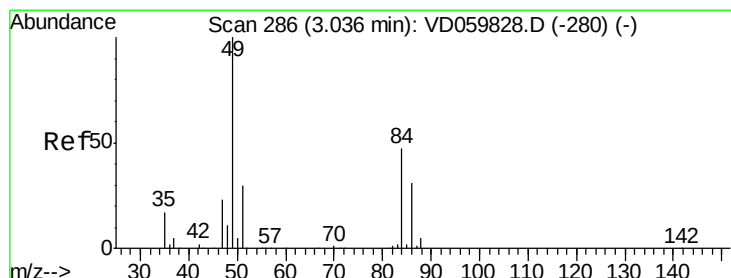
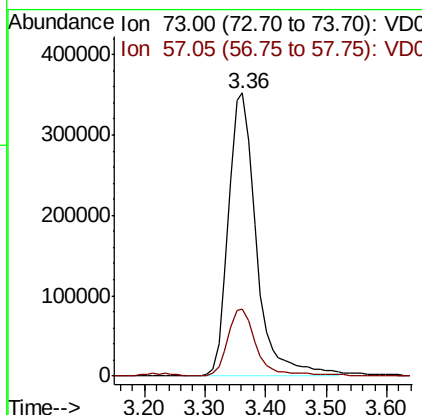
#19
Methyl tert-butyl Ether
Concen: 67.17 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tot Ion: 73 Resp: 1130440
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

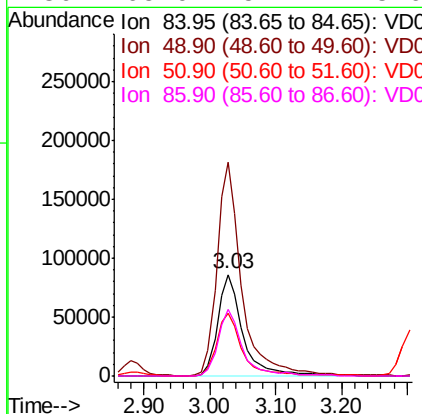
Manual Integrations
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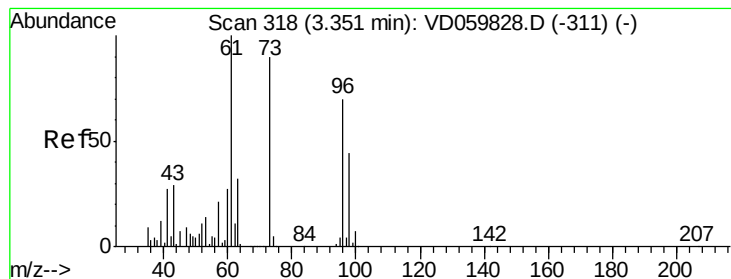
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#20
Methylene Chloride
Concen: 50.63 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 84 Resp: 226523
Ion Ratio Lower Upper
84 100
49 210.5 170.4 255.6
51 62.5 51.4 77.0
86 65.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 66.53 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

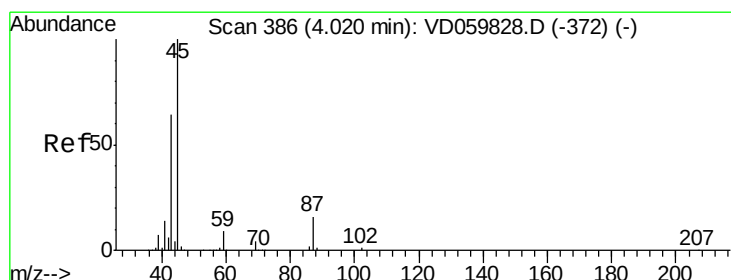
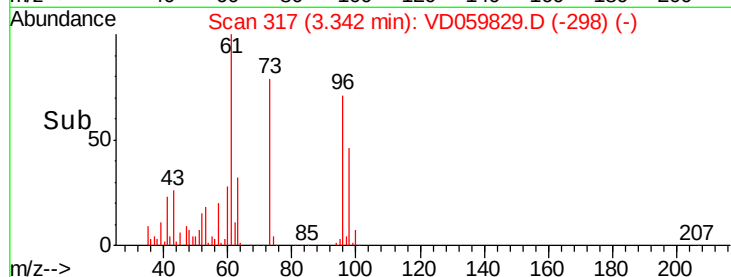
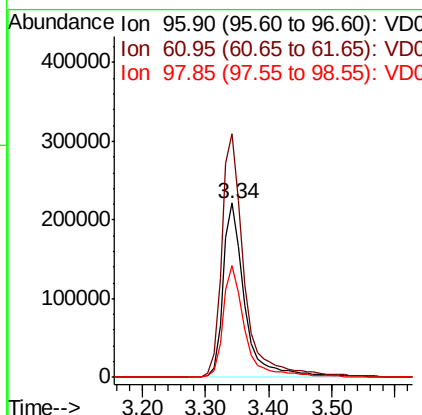
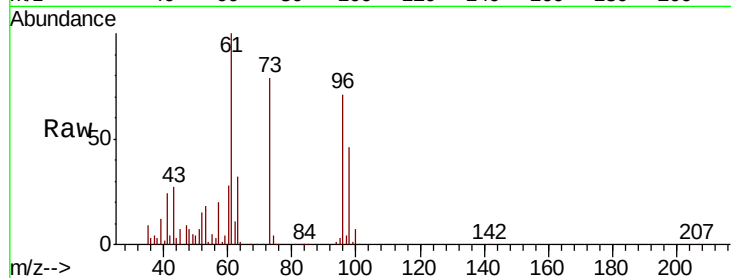
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	533892
Ion	Ratio	Lower	Upper
96	100		
61	139.9	114.1	171.1
98	64.4	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 68.19 ug/l

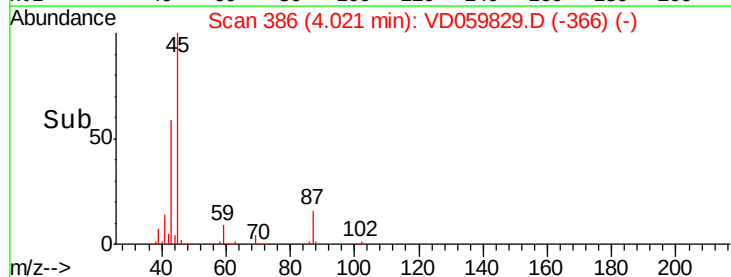
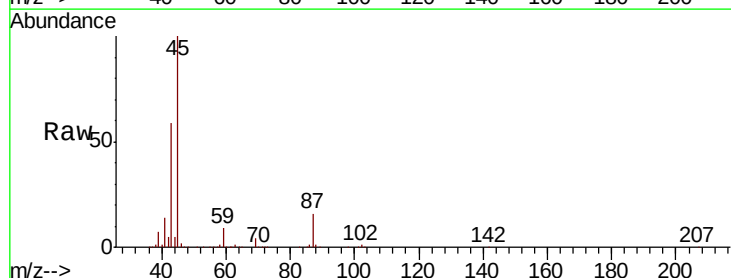
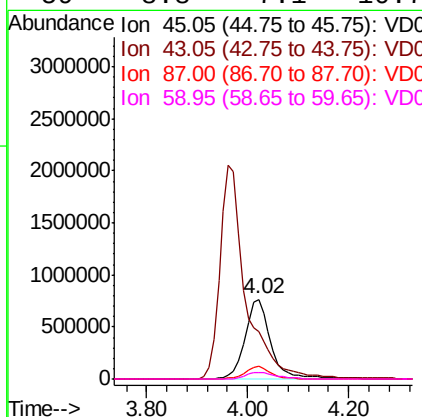
RT: 4.02 min Scan# 386

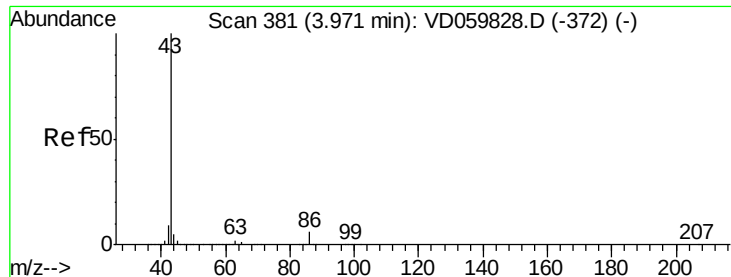
Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion:	45	Resp:	2670068
Ion	Ratio	Lower	Upper
45	100		
43	58.9	51.1	76.7
87	16.2	12.5	18.7
59	8.8	7.1	10.7





#23

Vinyl Acetate

Concen: 341.91 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 7230101

Ion Ratio Lower Upper

43 100

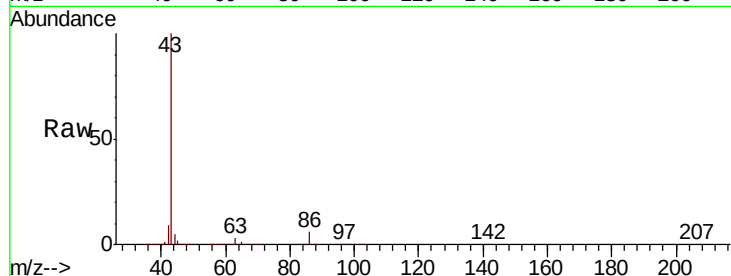
86 5.7 4.6 7.0

Manual Integrations

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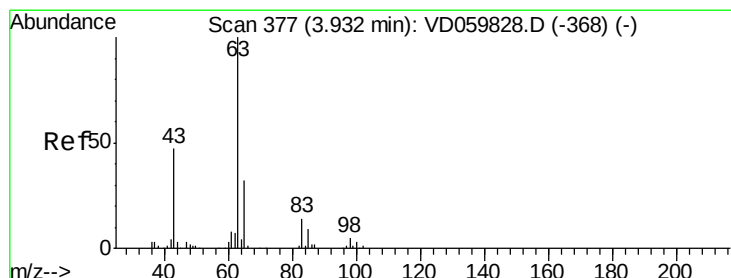
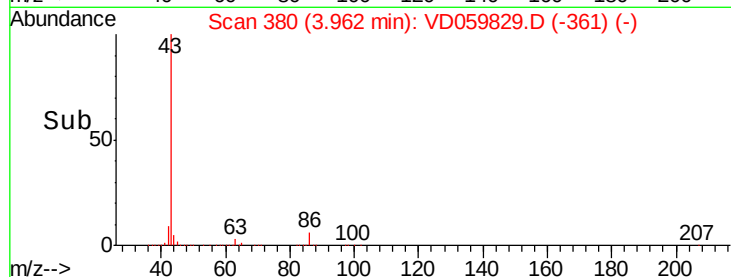
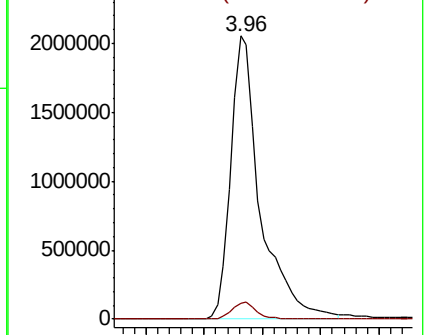
apatel

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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: 69.66 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

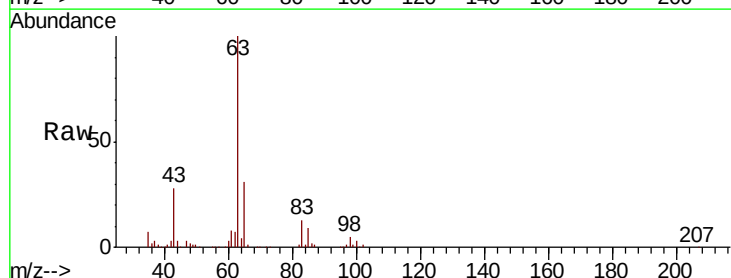
Tgt Ion: 63 Resp: 1192335

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.6

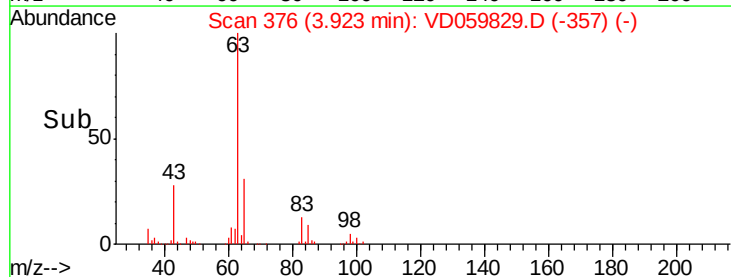
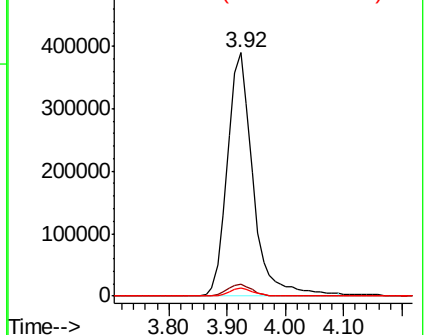
100 3.1 1.7 5.0

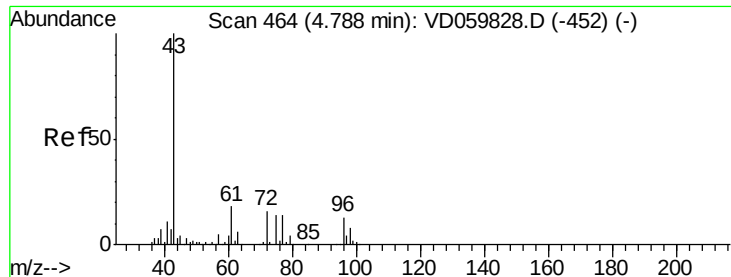


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 378.58 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1500775

Ion Ratio Lower Upper

43 100

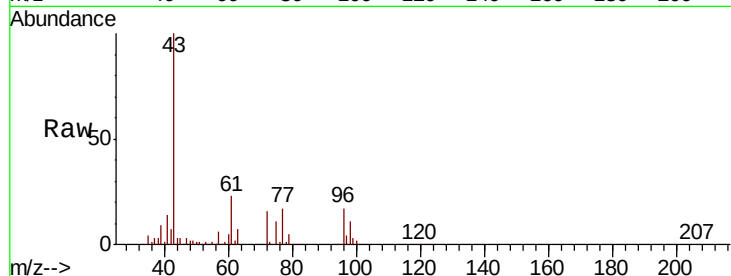
72 15.9 12.4 18.6

Manual Integrations

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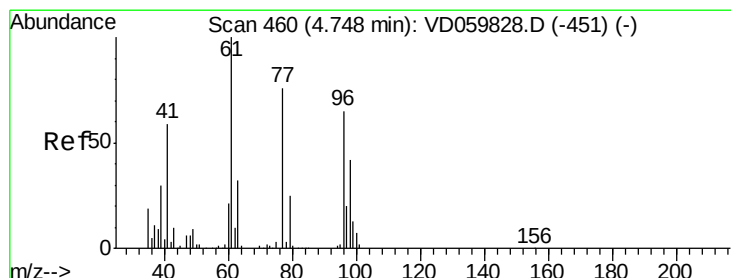
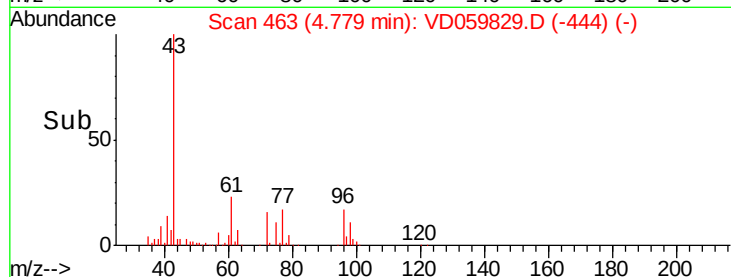
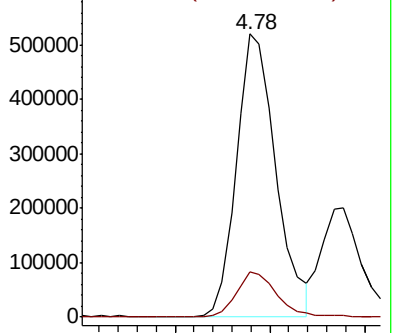
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 65.34 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.01 min

Lab File: VD059829.D

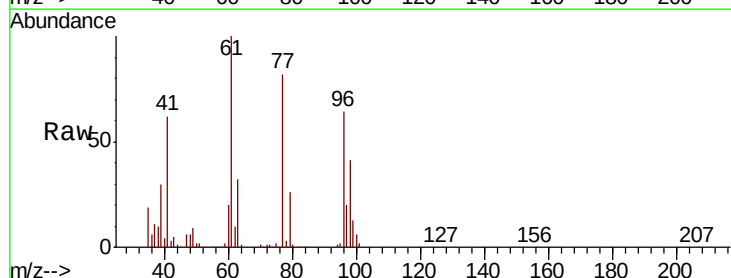
Acq: 20 Aug 2018 13:55

Tgt Ion: 77 Resp: 887313

Ion Ratio Lower Upper

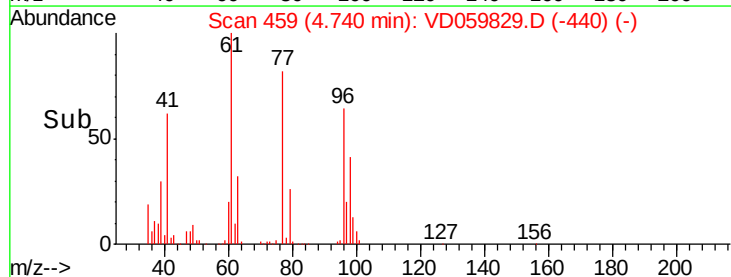
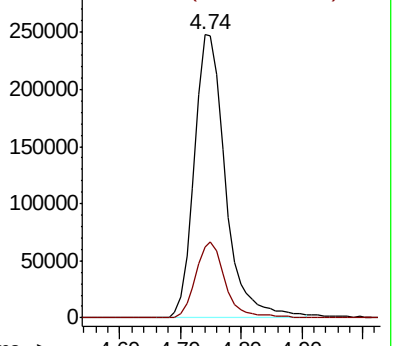
77 100

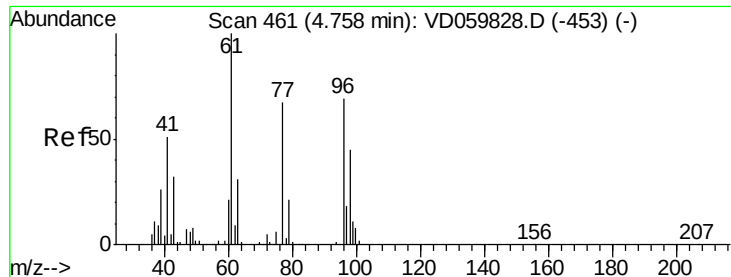
97 24.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

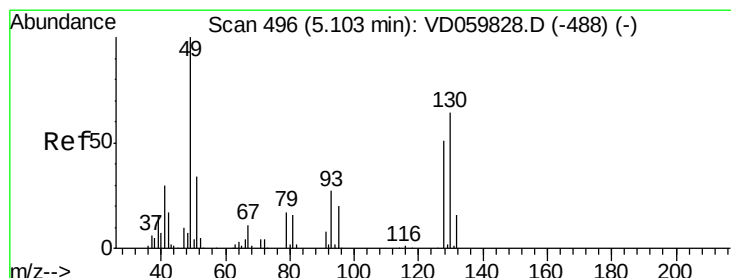
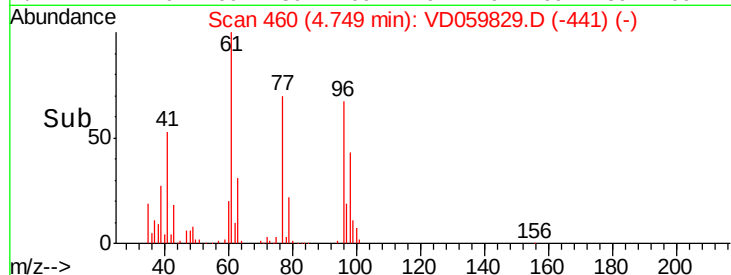
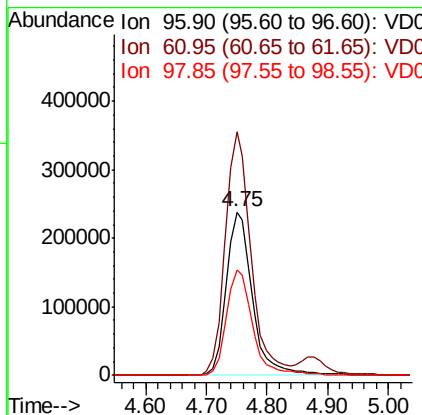
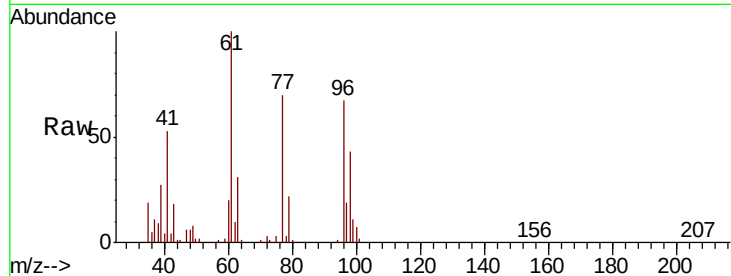
cis-1,2-Dichloroethene
Concen: 68.94 ug/l
RT: 4.75 min Scan# 460
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	711774		
61	149.1	0.0	291.8	
98	64.5	0.0	131.6	

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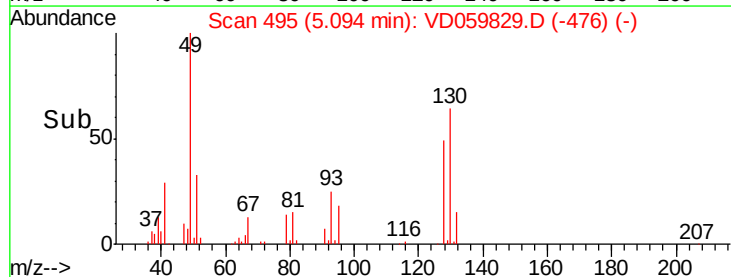
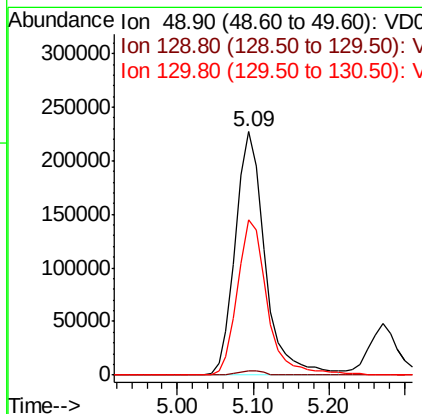
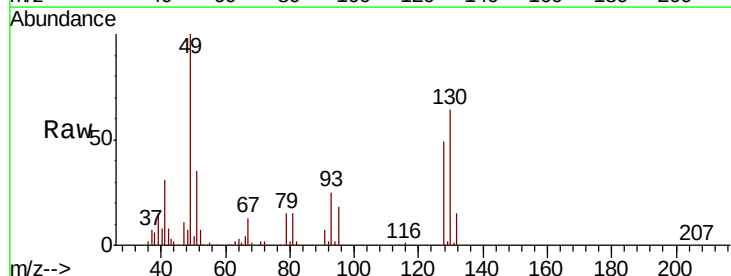
apatel
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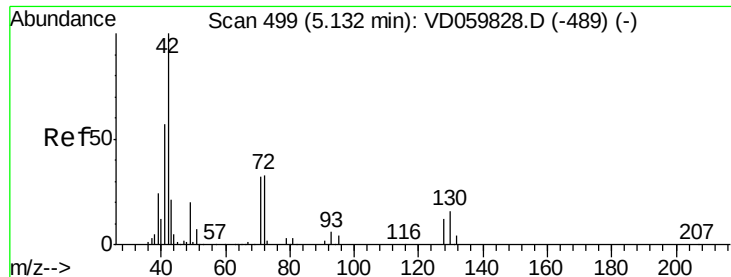


#28

Bromochloromethane
Concen: 70.39 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	617573		
129	1.7	0.0	3.8	
130	64.0	51.0	76.6	





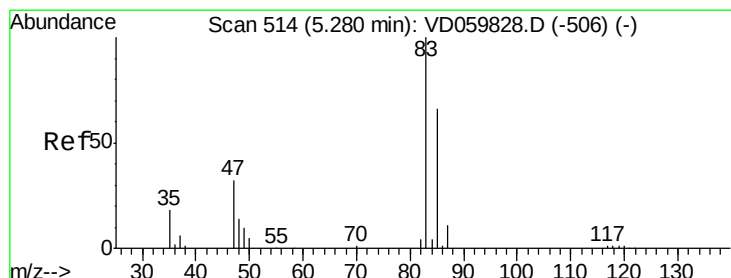
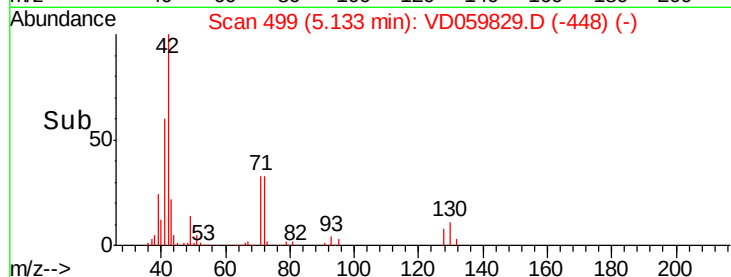
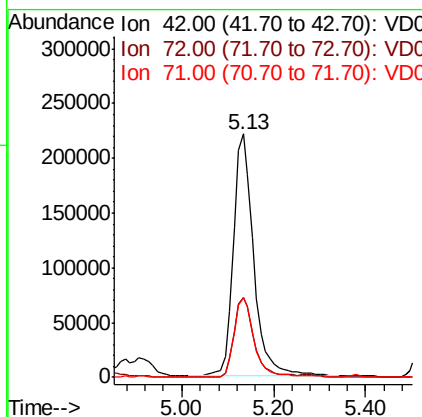
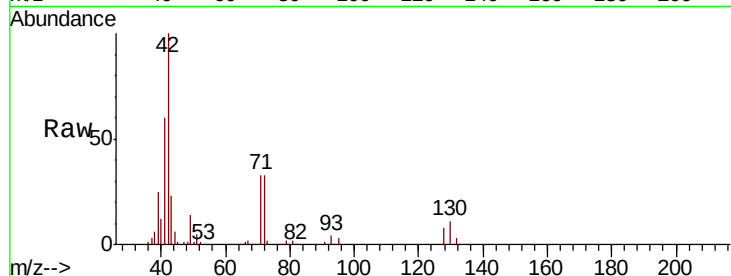
#29
Tetrahydrofuran
Concen: 345.45 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	25.8	38.6
71	32.4	25.7	38.5

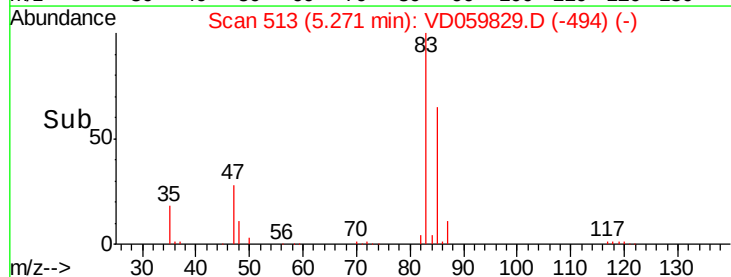
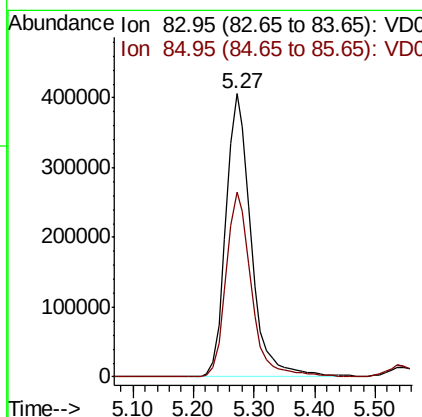
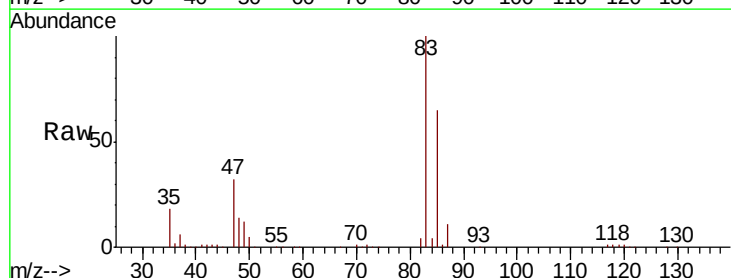
Manual Integrations
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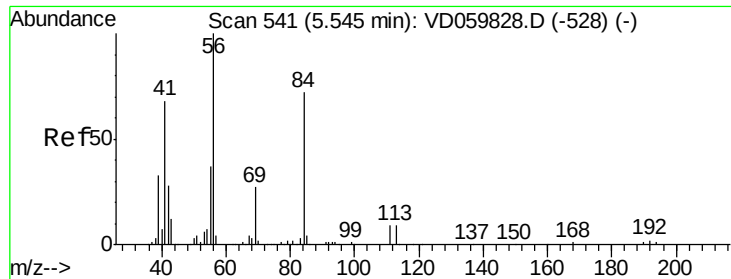
apatel
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#30
Chloroform
Concen: 69.47 ug/l
RT: 5.27 min Scan# 513
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.9	79.3





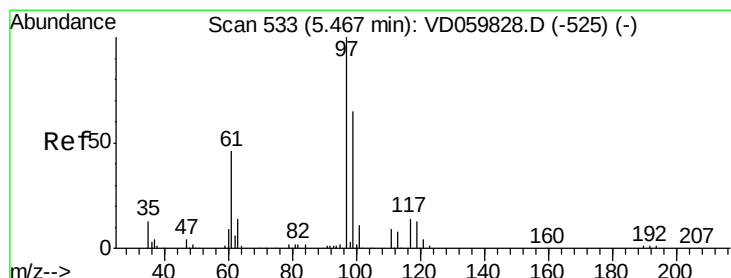
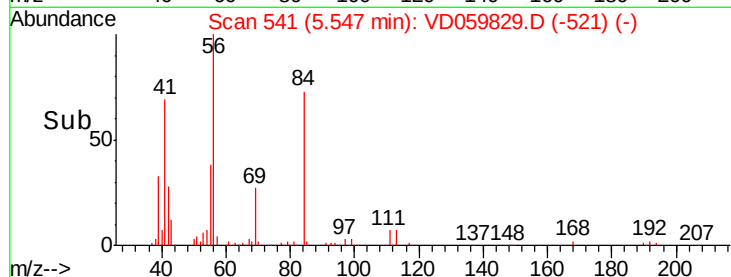
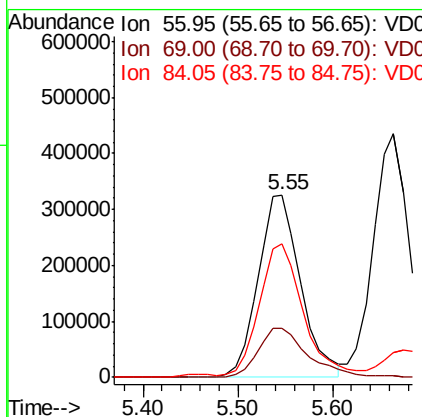
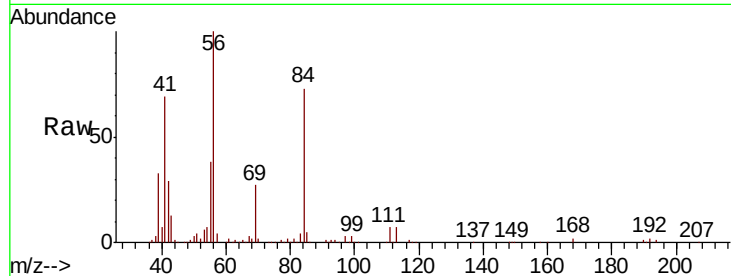
#31
Cyclohexane
Concen: 64.94 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 1015872
Ion Ratio Lower Upper
56 100
69 27.1 21.7 32.5
84 73.0 57.8 86.6

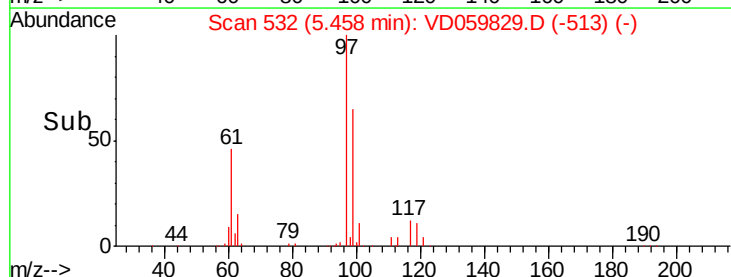
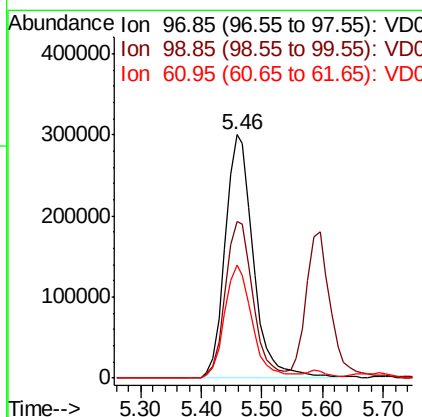
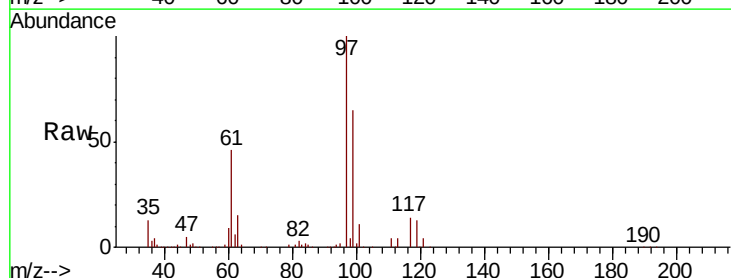
Manual Integrations
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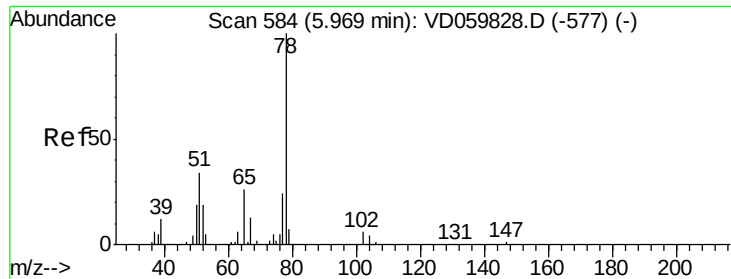
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#32
1,1,1-Trichloroethane
Concen: 68.10 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 97 Resp: 969192
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 46.2 37.0 55.6





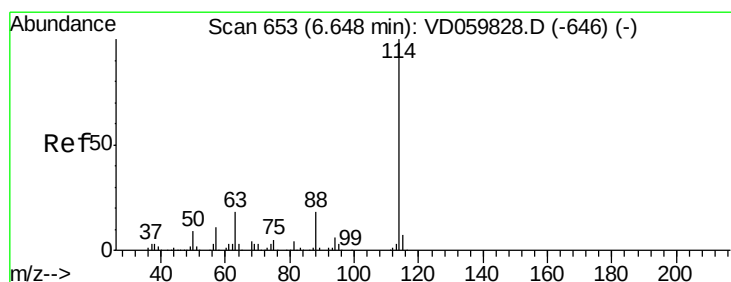
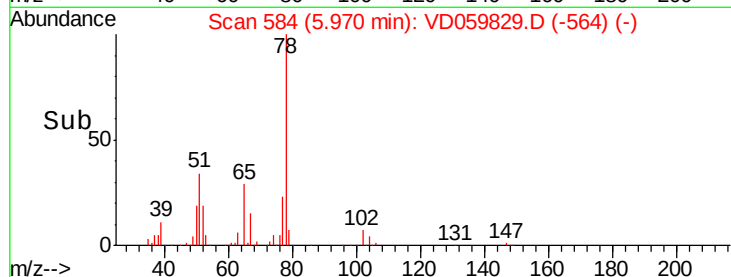
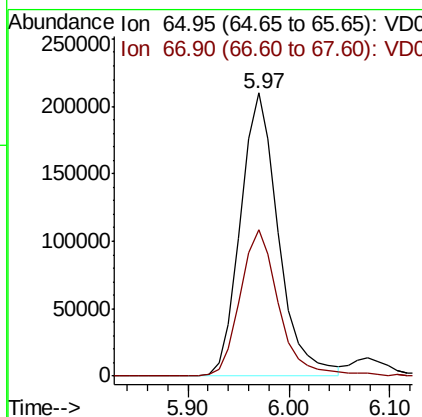
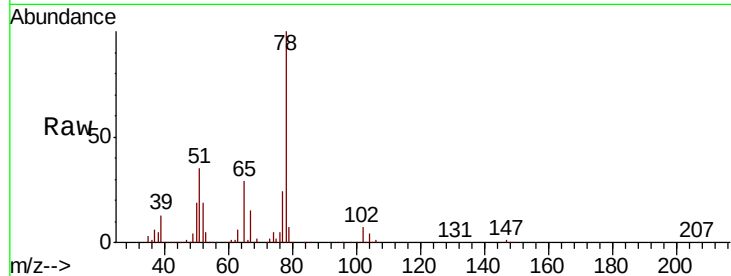
#33
 1,2-Dichloroethane-d4
 Concen: 68.10 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 65 Resp: 550453
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4

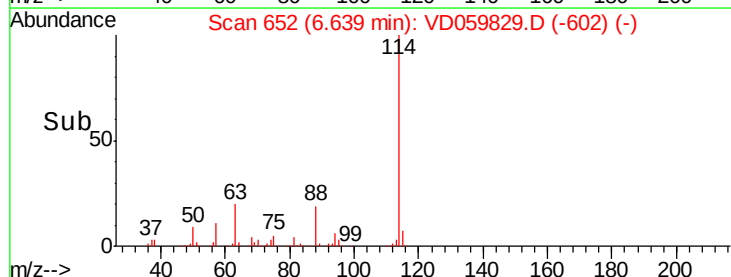
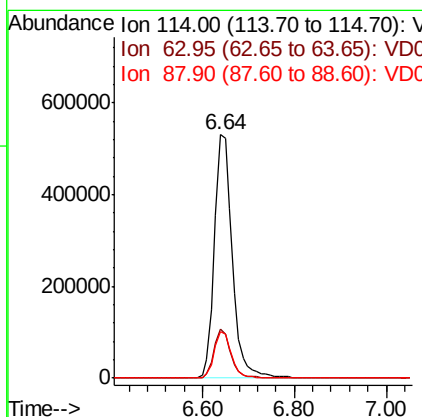
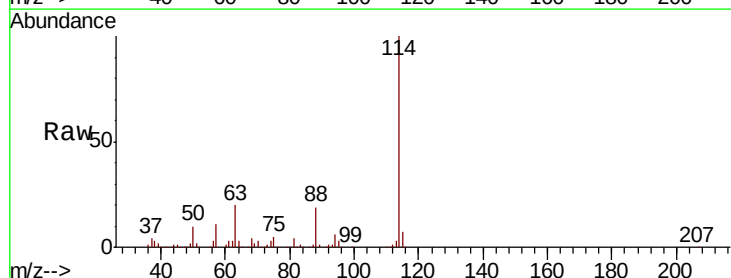
Manual Integrations
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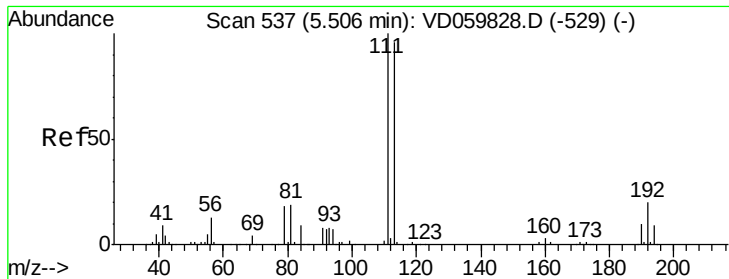
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion: 114 Resp: 1411659
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.0
 88 19.0 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

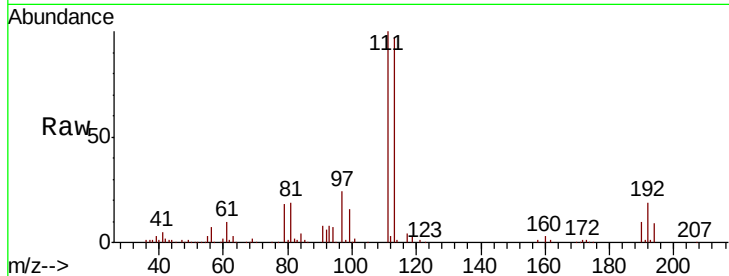
ClientSampleId :

VSTDIC075

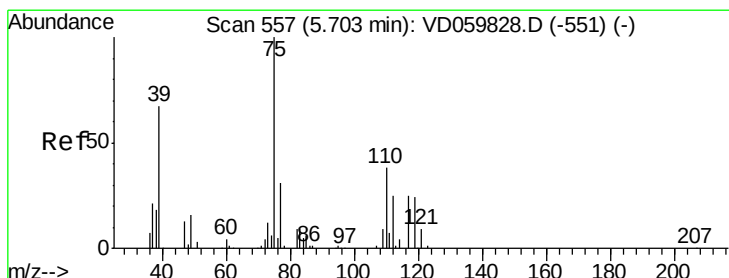
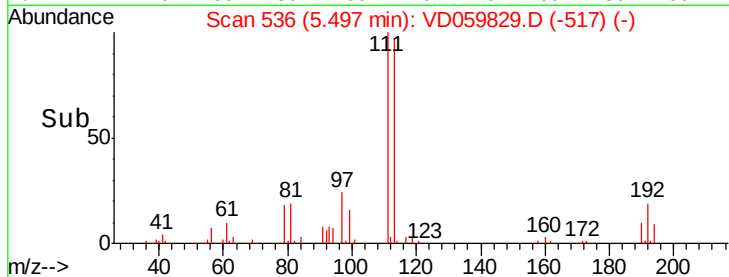
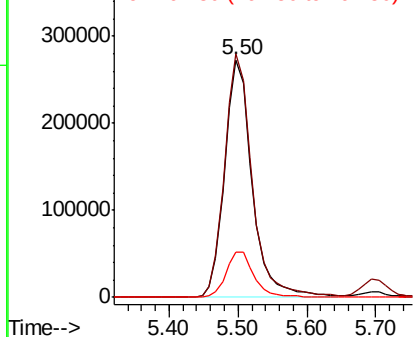
Tot Ion:	113	Resp:	756992
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.3	124.9
192	19.3	16.8	25.2

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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: 67.60 ug/l

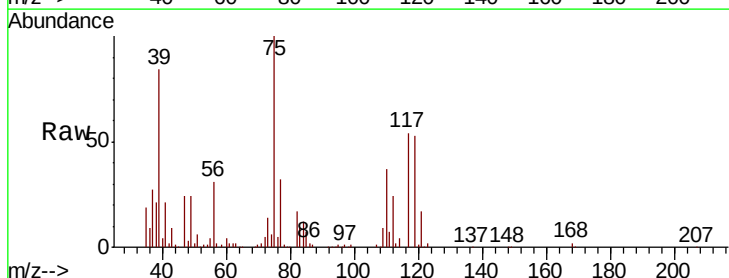
RT: 5.69 min Scan# 556

Delta R.T. -0.01 min

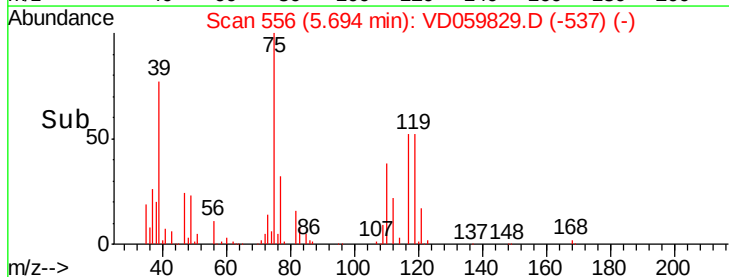
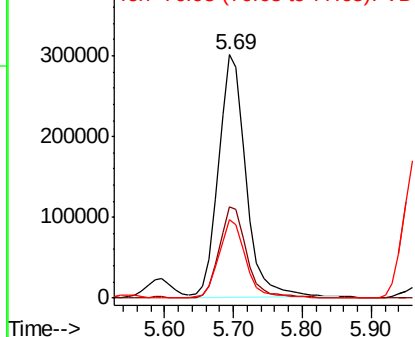
Lab File: VD059829.D

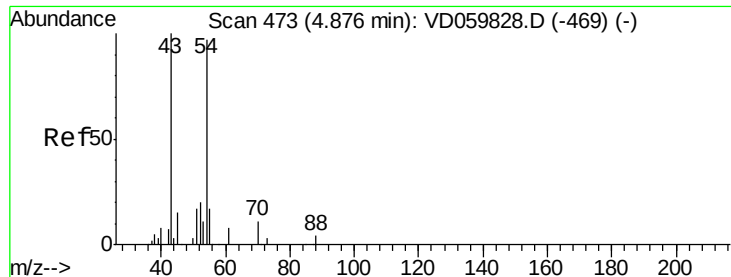
Acq: 20 Aug 2018 13:55

Tgt Ion:	75	Resp:	820947
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.8	56.4
77	32.2	24.9	37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





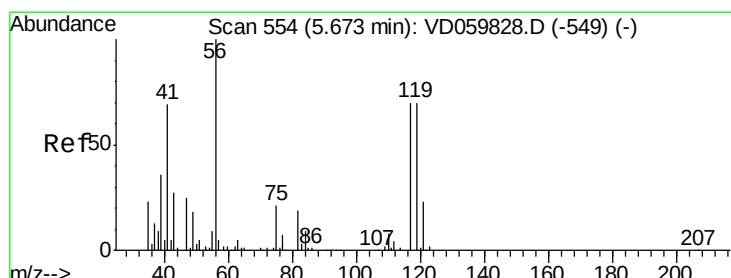
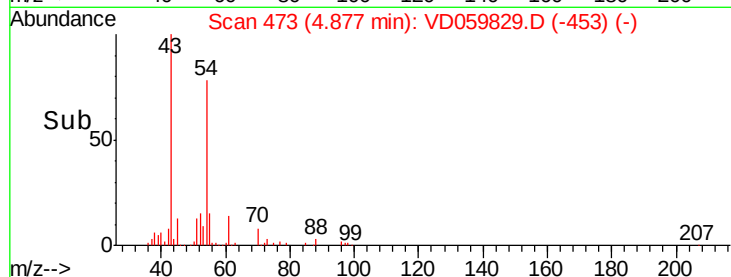
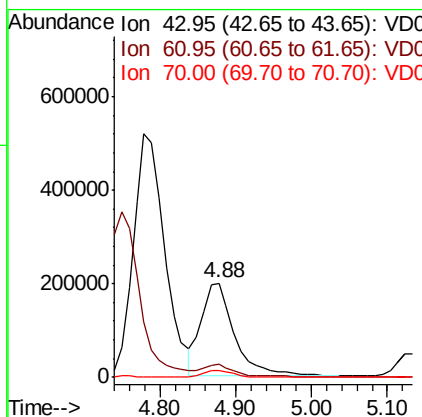
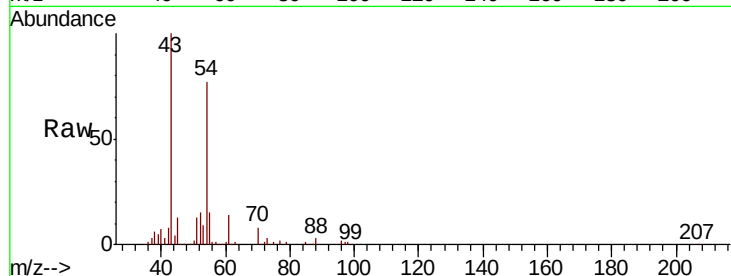
#37
Ethyl Acetate
Concen: 68.21 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	7.6	6.2	9.2

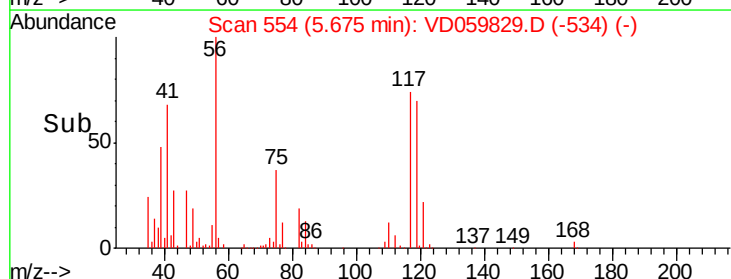
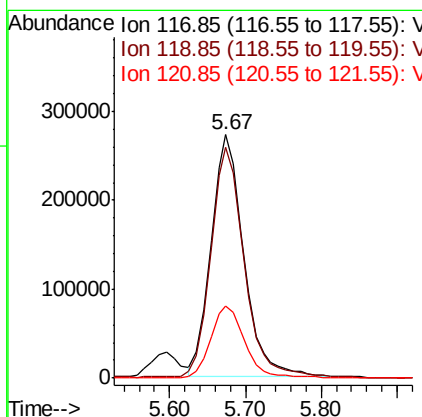
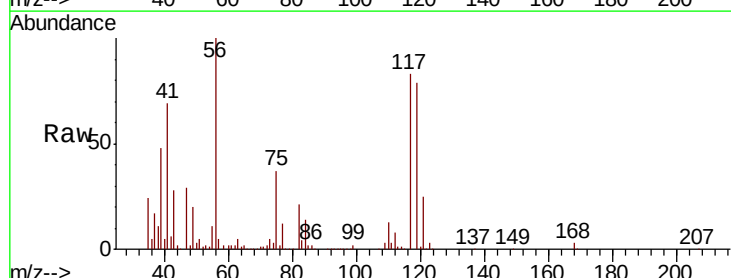
Manual Integrations
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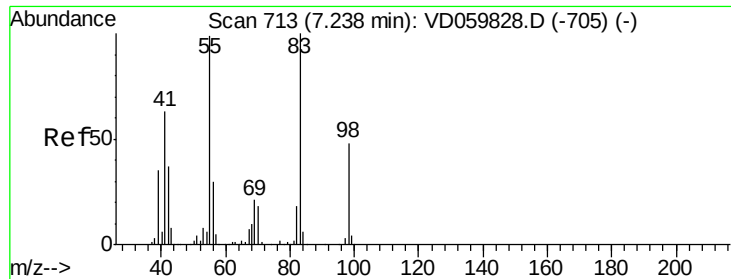
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#38
Carbon Tetrachloride
Concen: 67.34 ug/l
RT: 5.67 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.4
121	29.7	24.7	37.1





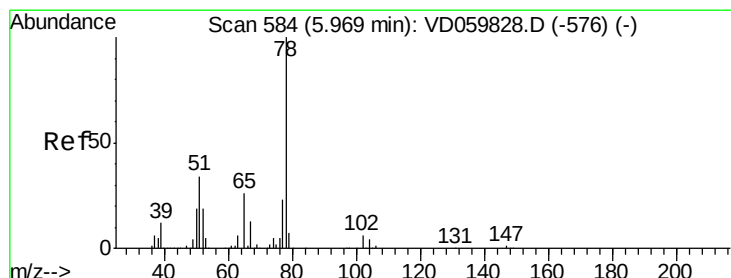
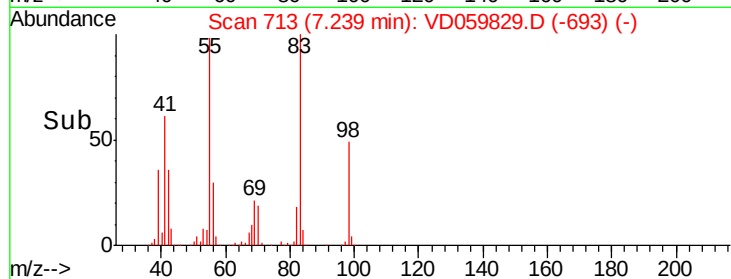
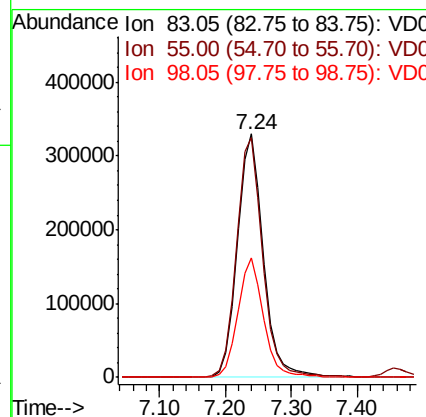
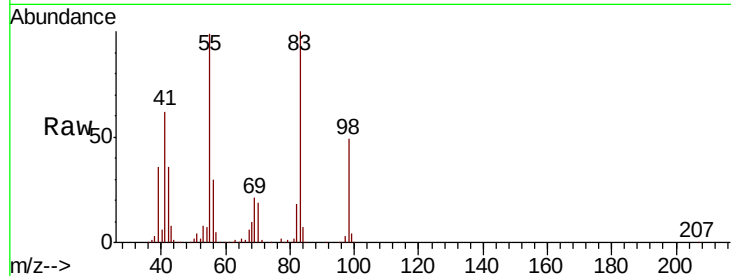
#39
Methylvlcyclohexane
Concen: 70.74 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	98.6	79.0	118.6	
98	49.3	38.1	57.1	

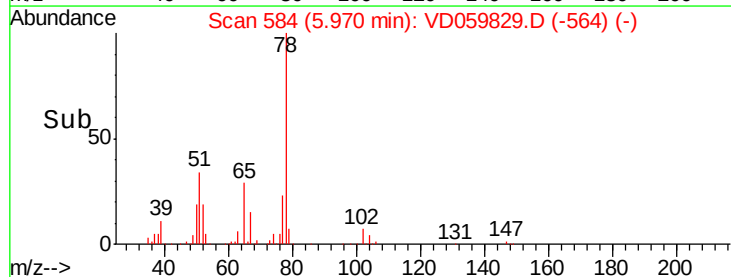
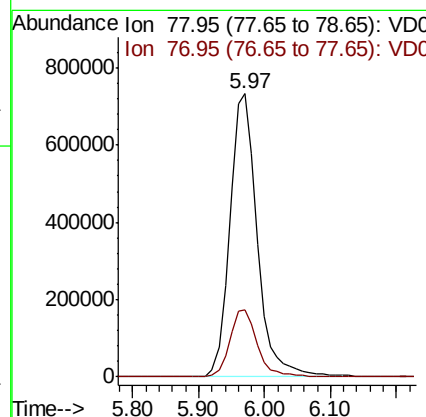
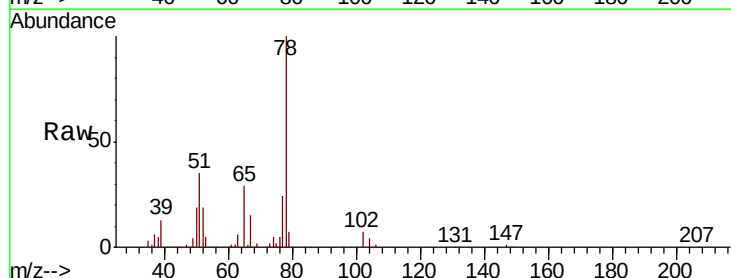
Manual Integrations
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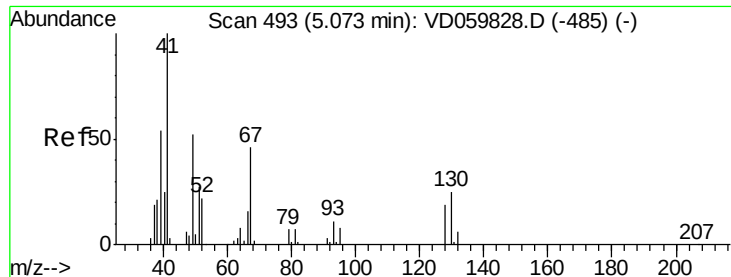
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#40
Benzene
Concen: 67.95 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.8	28.2	





#41

Methacrylonitrile

Concen: 71.51 ug/l

RT: 5.07 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

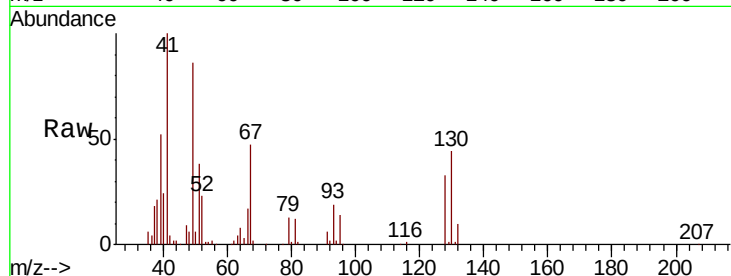
ClientSampleId :

VSTDIC075

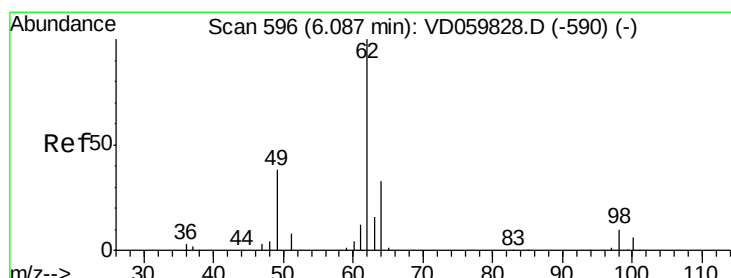
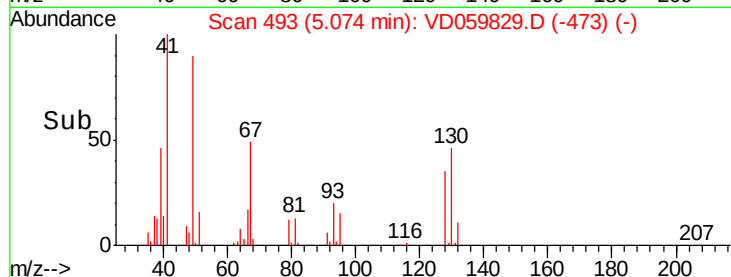
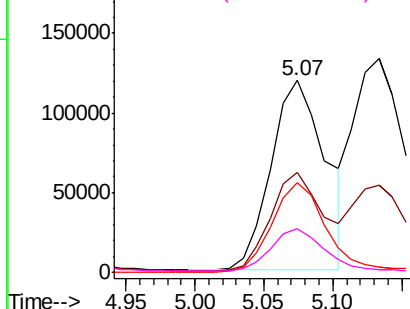
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.0	64.6
67	46.7	36.7	55.1
52	22.5	18.0	27.0

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 68.30 ug/l

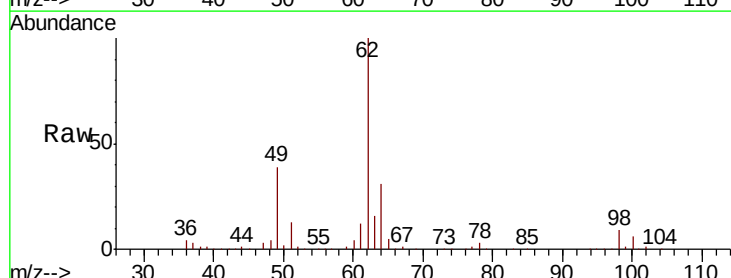
RT: 6.08 min Scan# 595

Delta R.T. -0.01 min

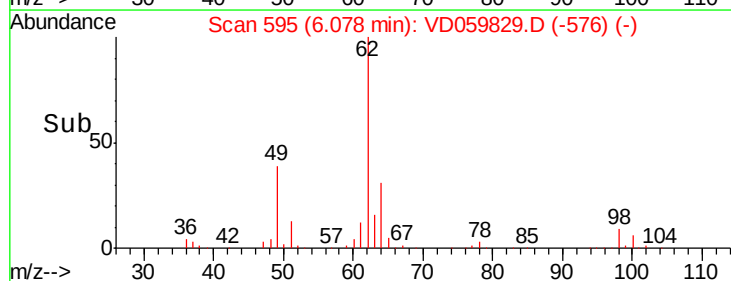
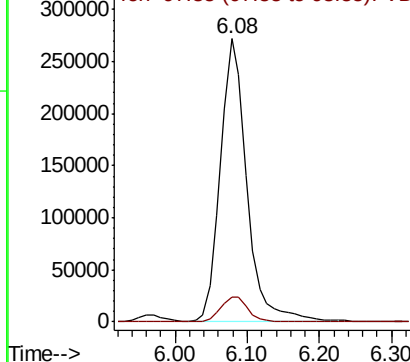
Lab File: VD059829.D

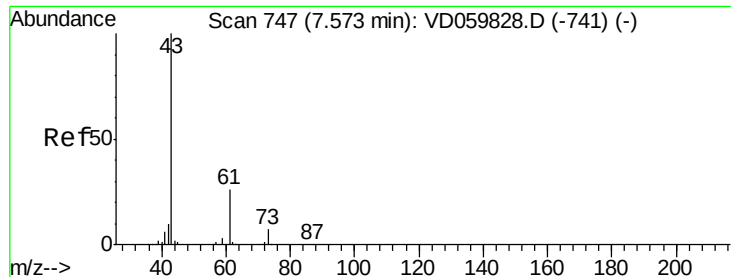
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

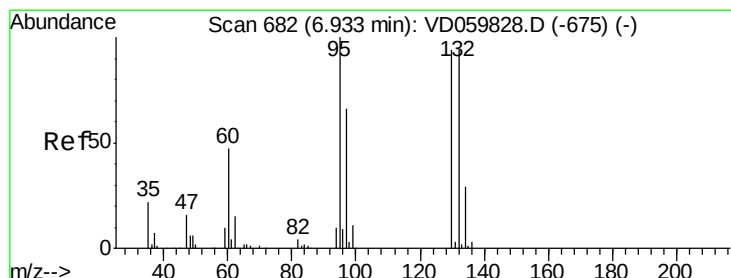
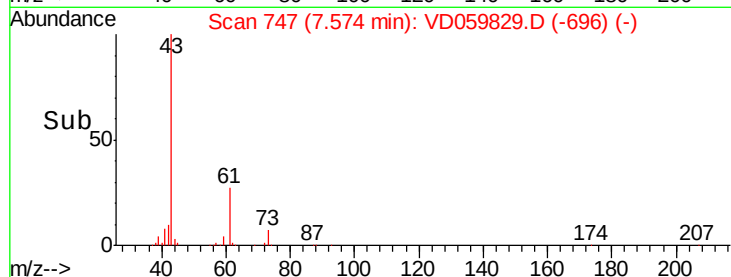
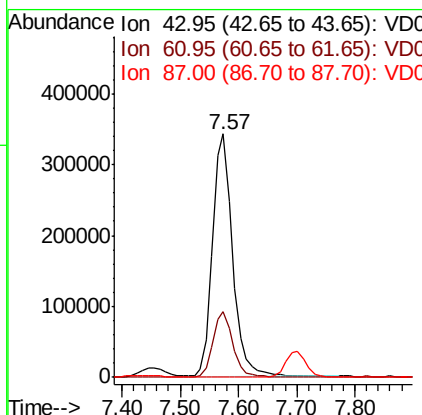
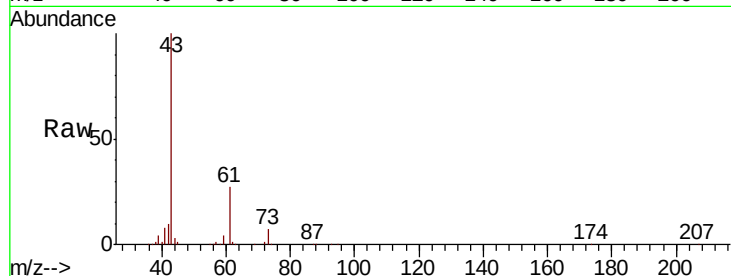
Isopropyl Acetate
 Concen: 67.07 ug/l
 RT: 7.57 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.0	31.4
87	0.3	0.2	0.4

Manual Integrations
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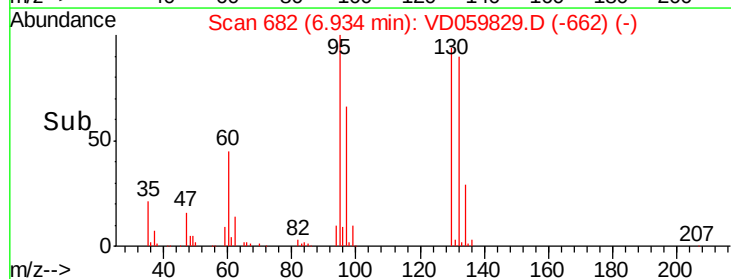
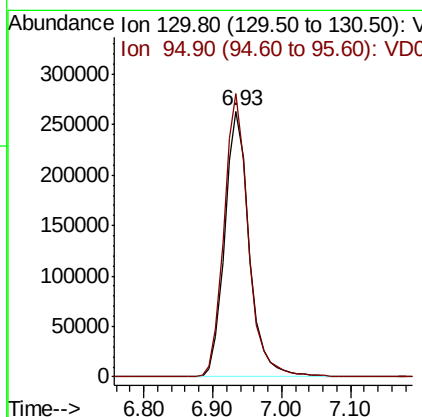
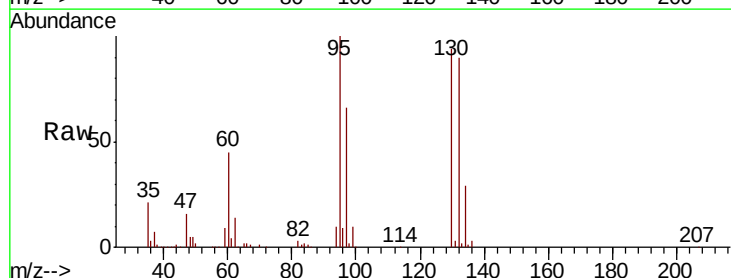
apatel
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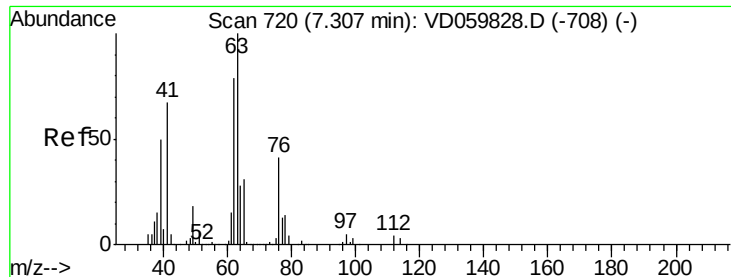


#44

Trichloroethene
 Concen: 70.58 ug/l
 RT: 6.93 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	213.0





#45

1,2-Dichloropropane

Concen: 68.77 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.01 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 625015

Ion Ratio Lower Upper

63 100

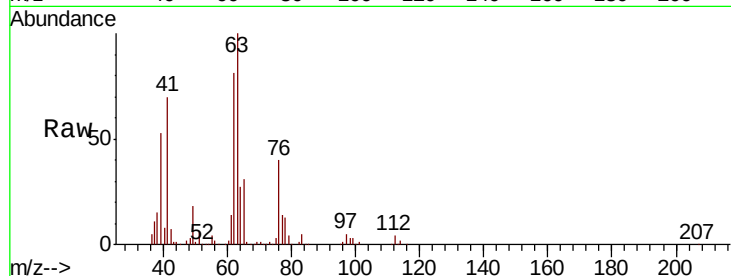
65 31.3 24.5 36.7

Manual Integrations

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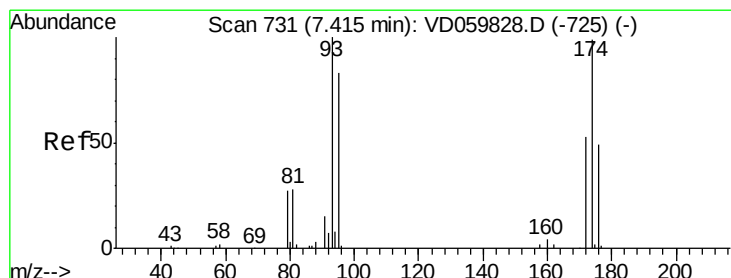
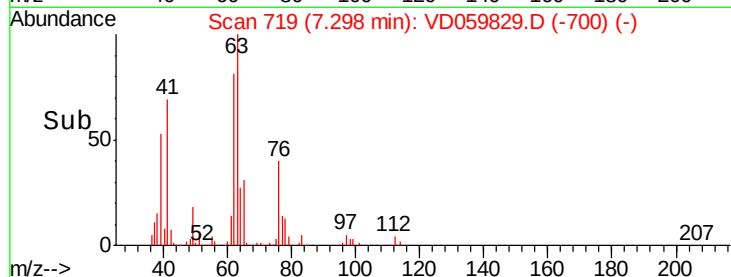
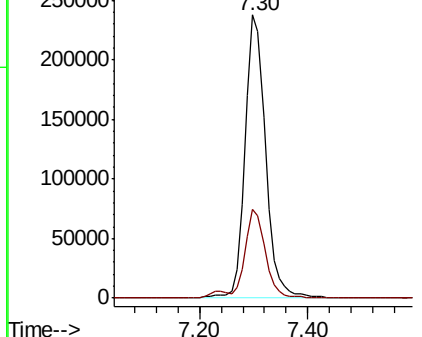
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 70.15 ug/l

RT: 7.42 min Scan# 731

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

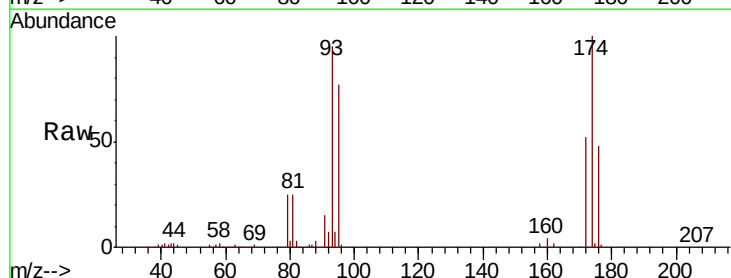
Tgt Ion: 93 Resp: 396172

Ion Ratio Lower Upper

93 100

95 80.3 66.3 99.5

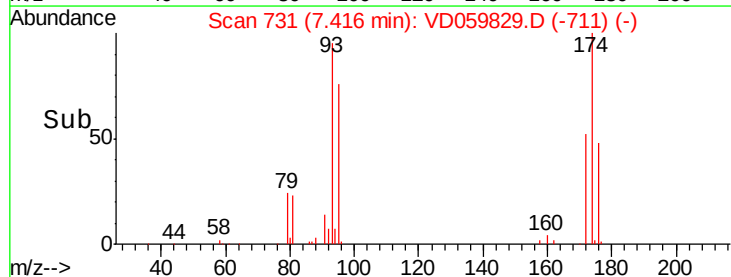
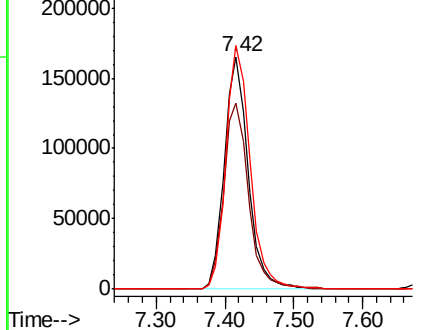
174 104.8 79.4 119.0

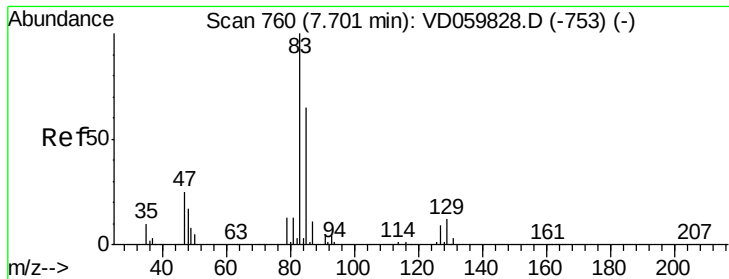


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 69.30 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

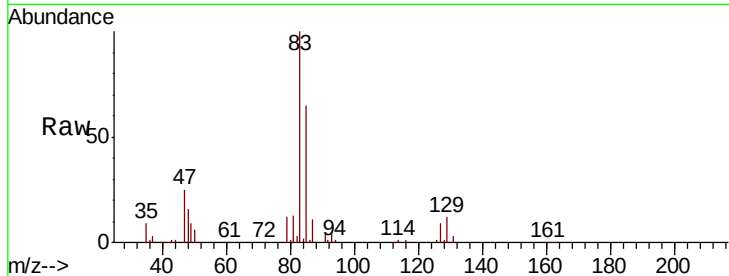
ClientSampleId :

VSTDIC075

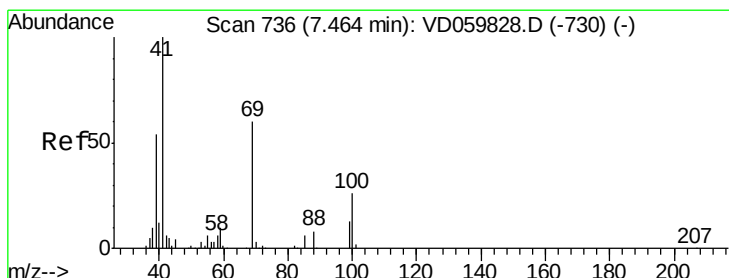
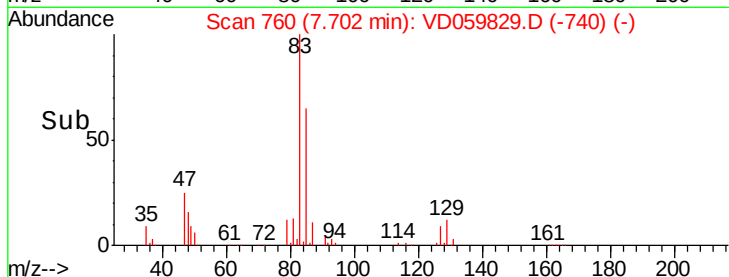
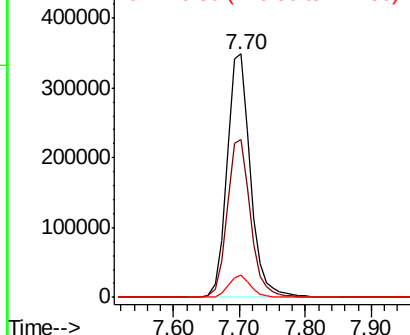
Tot Ion:	83	Resp:	868376
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	9.4	7.1	10.7

Manual Integrations
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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: 70.37 ug/l

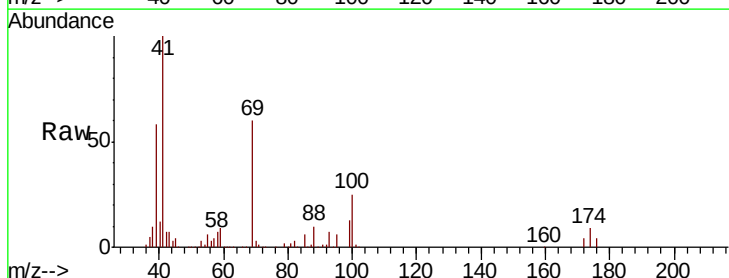
RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

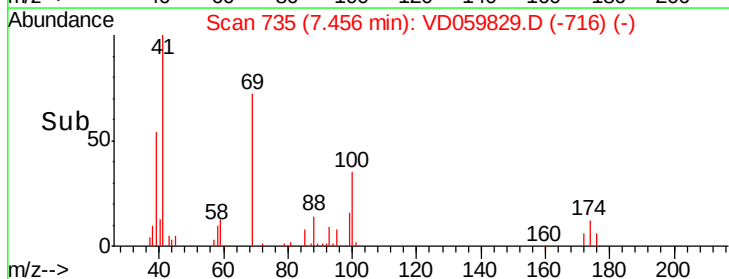
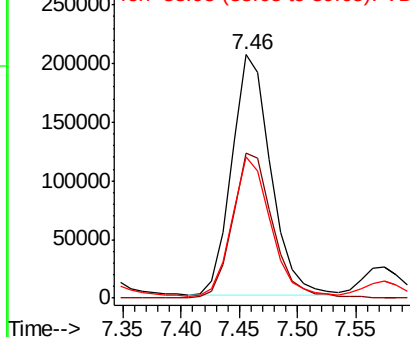
Lab File: VD059829.D

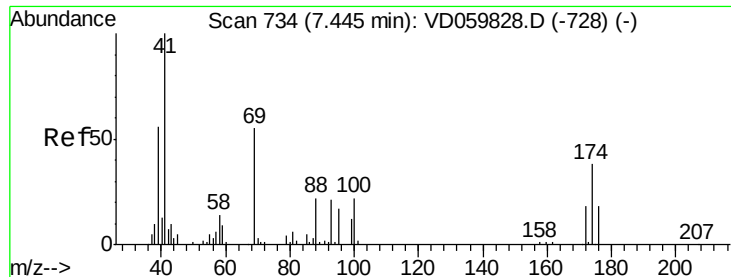
Acq: 20 Aug 2018 13:55

Tgt Ion:	41	Resp:	477174
Ion	Ratio	Lower	Upper
41	100		
69	59.6	47.0	70.4
39	58.1	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





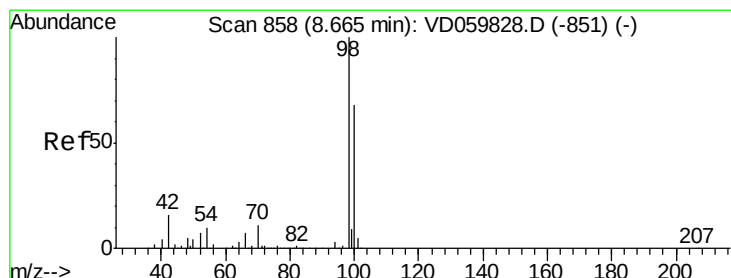
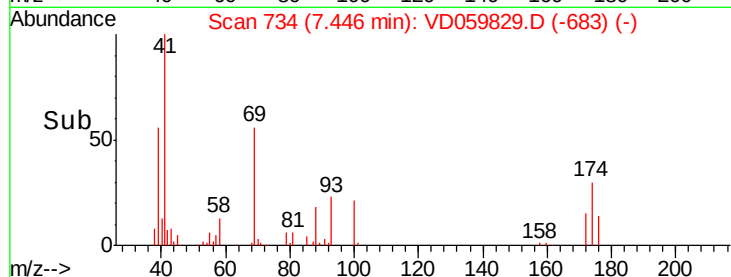
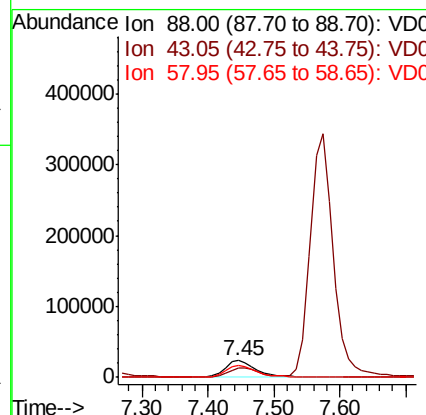
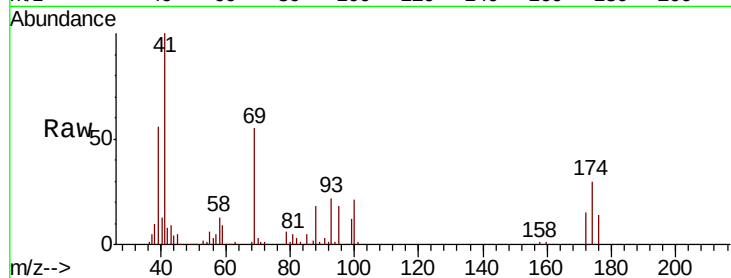
#49
1,4-Dioxane
Concen: 1415.67 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100	79965		
43	53.2		41.4	62.0
58	73.5		52.4	78.6

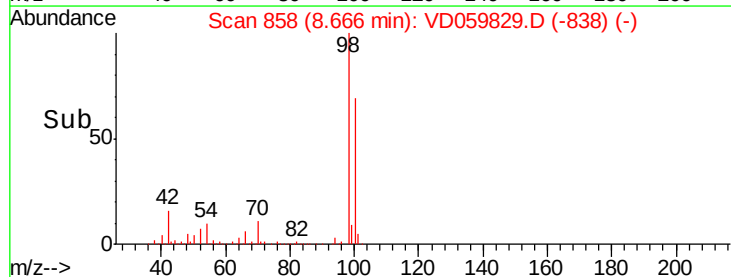
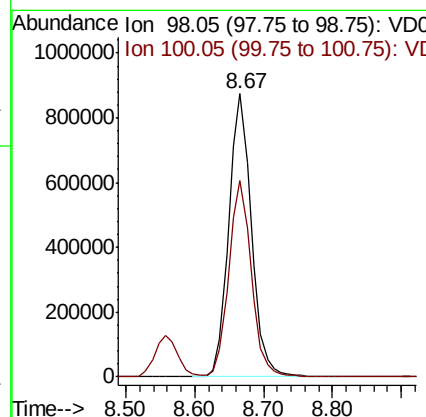
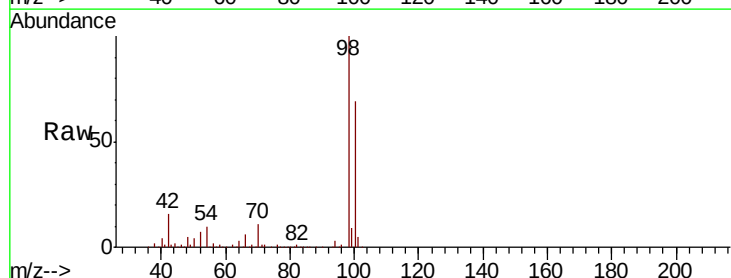
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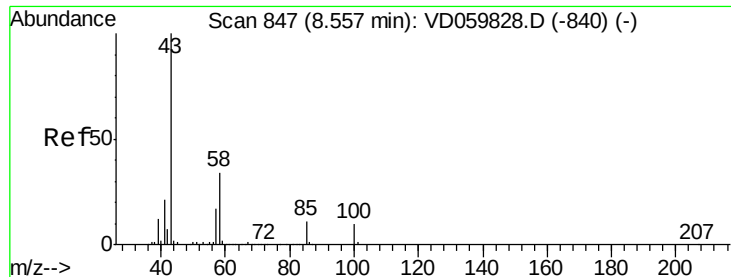
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#50
Toluene-d8
Concen: 1415.67 ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1991850		
100	69.2		55.0	82.4





#51

4-Methyl-2-Pentanone

Concen: 375.48 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 3130904

Ion Ratio Lower Upper

43 100

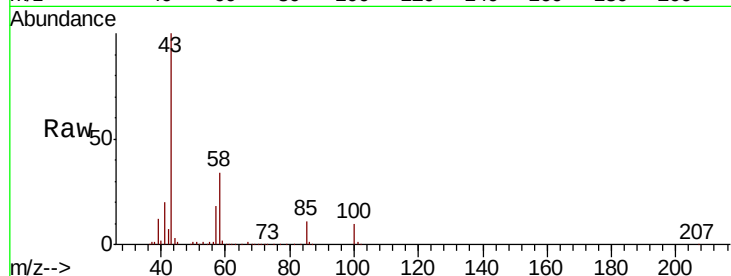
58 33.6 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

1500000 Ion 57.95 (57.65 to 58.65): VDC

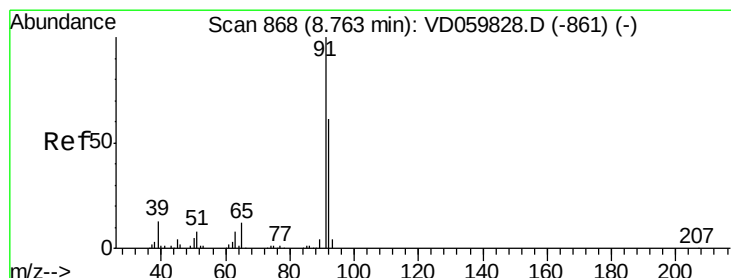
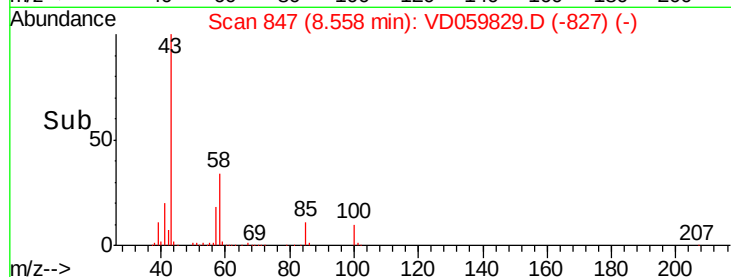
8.56

1000000

500000

0

Time-->



#52

Toluene

Concen: 68.30 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059829.D

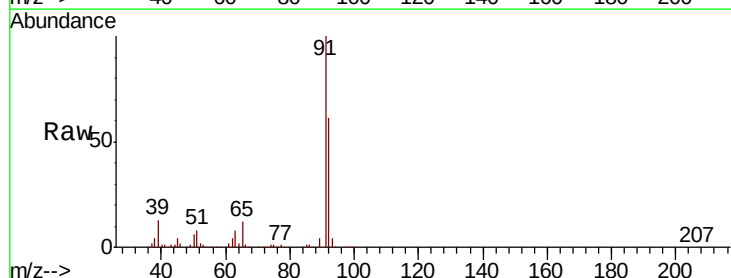
Acq: 20 Aug 2018 13:55

Tgt Ion: 92 Resp: 1358558

Ion Ratio Lower Upper

92 100

91 163.8 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

1000000 Ion 91.00 (90.70 to 91.70): VDC

800000

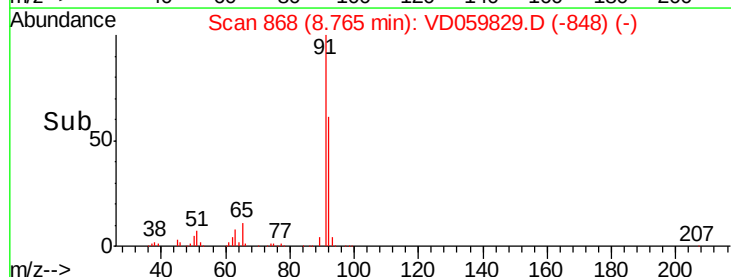
600000

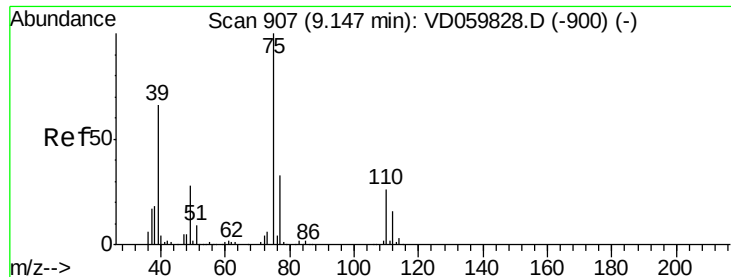
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 70.33 ug/l

RT: 9.15 min Scan# 907

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 802661

Ion Ratio Lower Upper

75 100

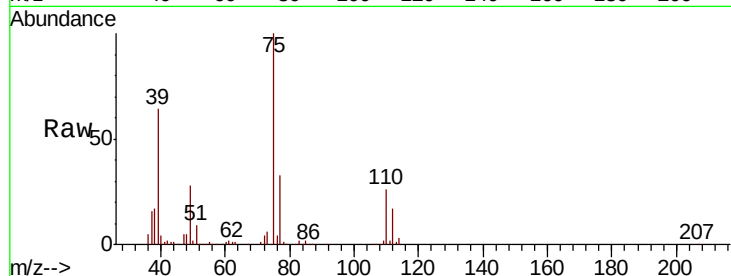
77 33.2 26.3 39.5

Manual Integrations

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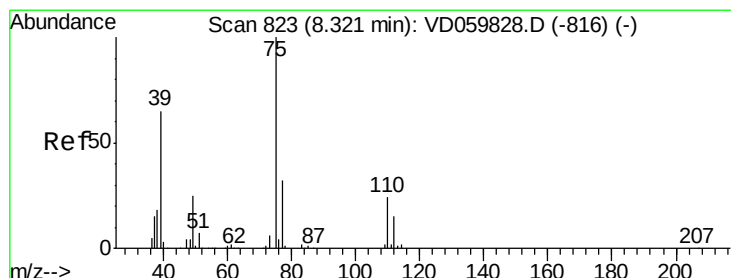
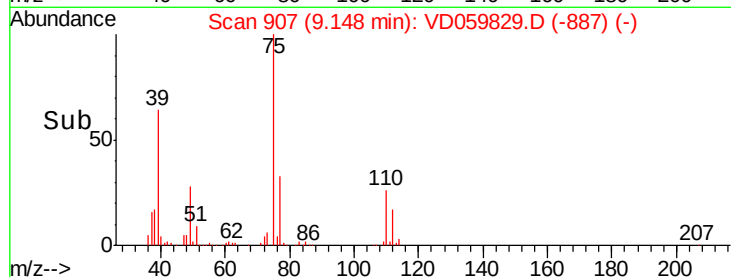
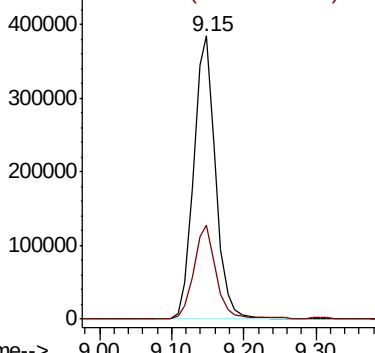
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 68.91 ug/l

RT: 8.32 min Scan# 823

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

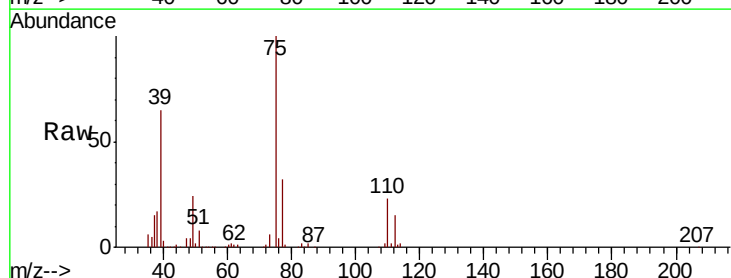
Tgt Ion: 75 Resp: 944120

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

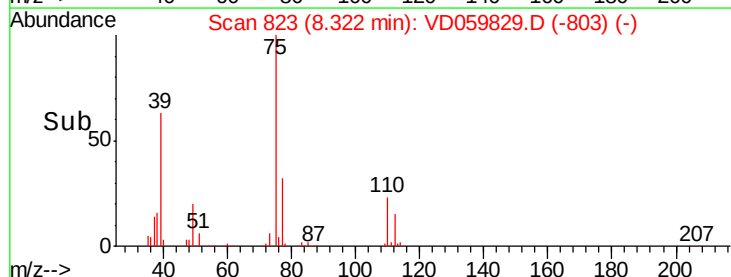
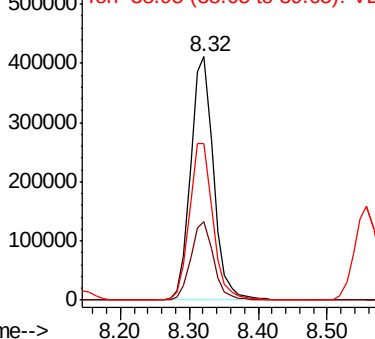
39 64.5 52.2 78.4

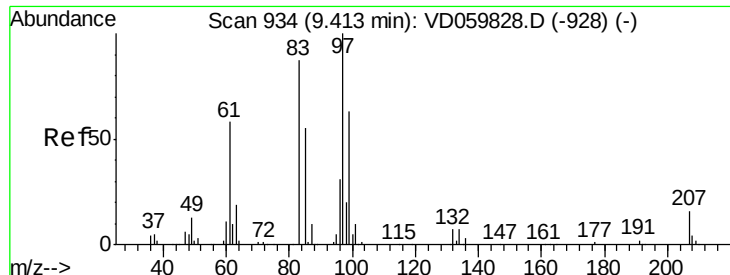


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





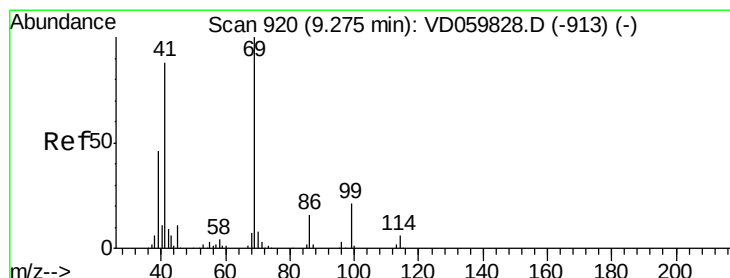
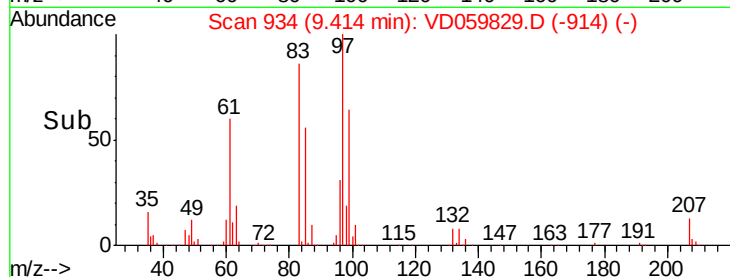
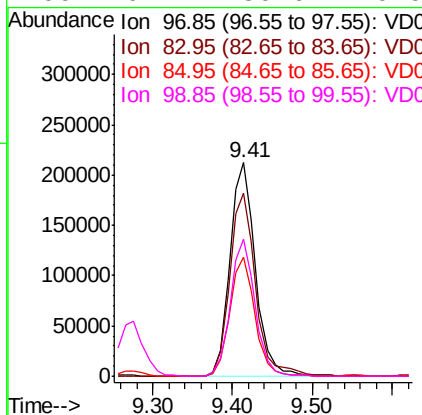
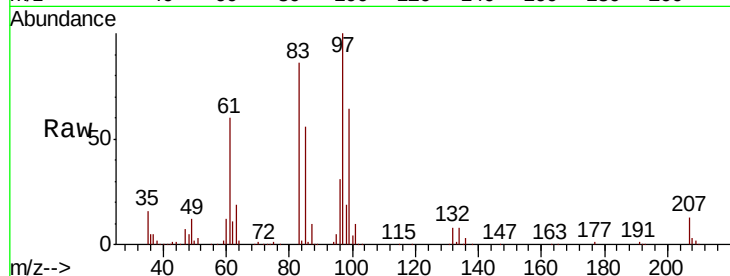
#55
 1,1,2-Trichloroethane
 Concen: 66.79 ug/l
 RT: 9.41 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	472872
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.2	103.8
85	55.7	44.3	66.5
99	64.4	50.6	76.0

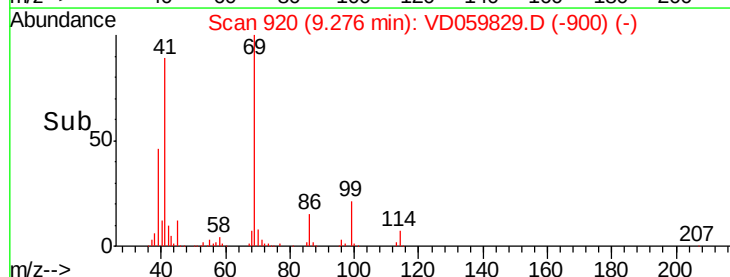
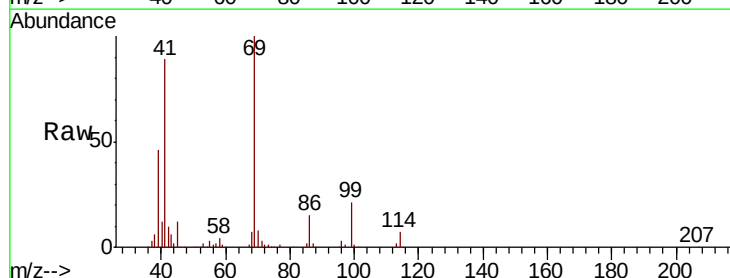
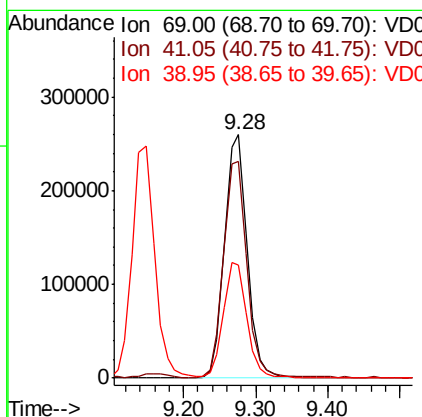
Manual Integrations
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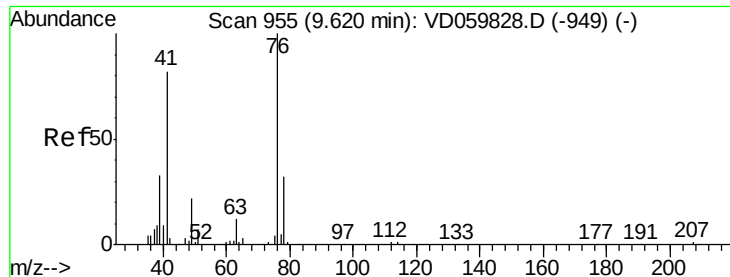
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#56
 Ethyl methacrylate
 Concen: 69.68 ug/l
 RT: 9.28 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion:	69	Resp:	566956
Ion	Ratio	Lower	Upper
69	100		
41	88.9	71.0	106.4
39	46.5	38.0	57.0





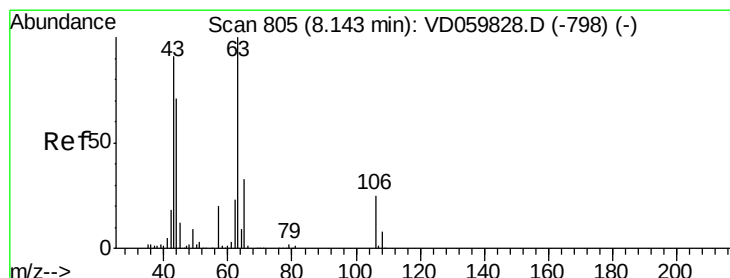
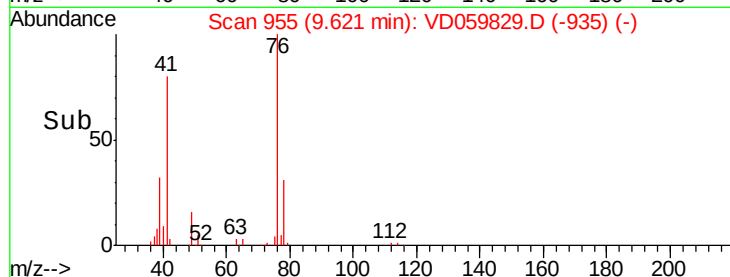
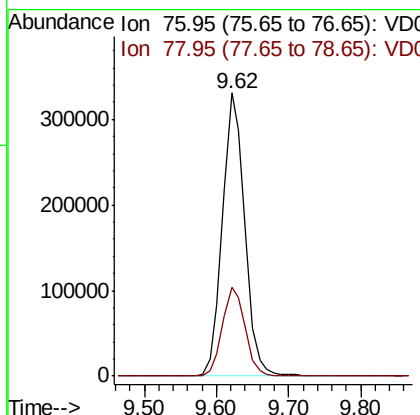
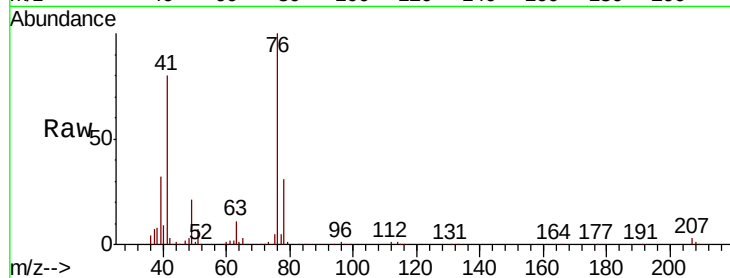
#57
 1,3-Dichloropropane
 Concen: 68.37 ug/l
 RT: 9.62 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

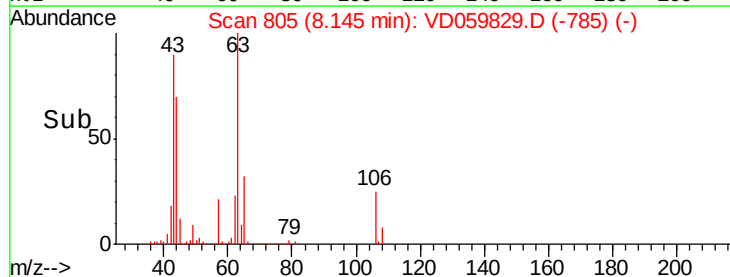
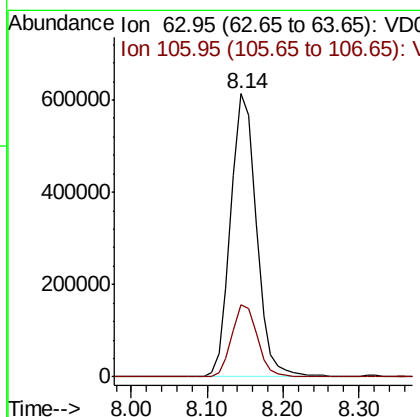
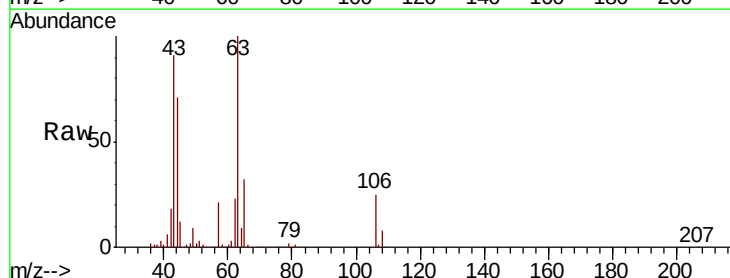
Manual Integrations
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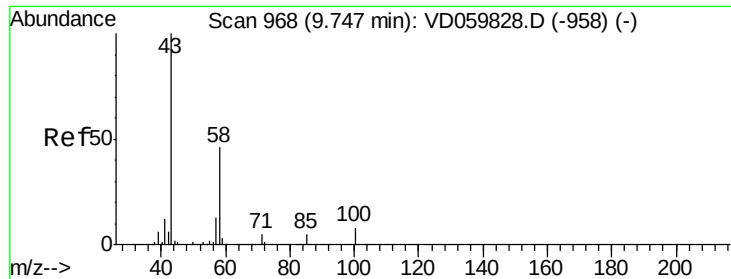
apatel
 8/21/2018 10:23:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 346.03 ug/l
 RT: 8.14 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.6	29.4





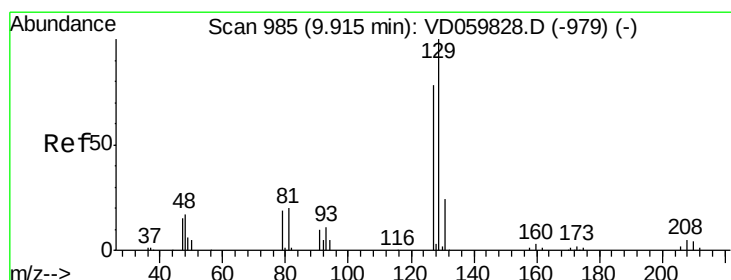
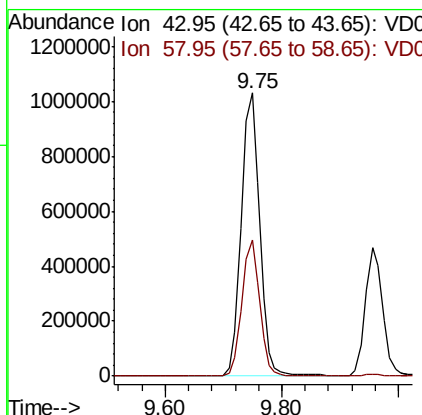
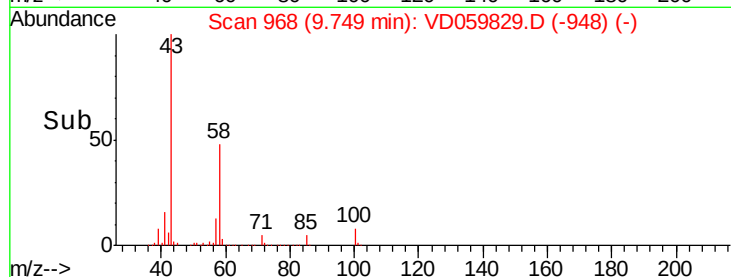
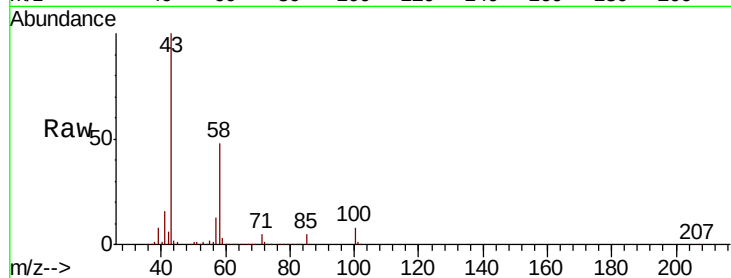
#59
2-Hexanone
Concen: 370.63 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 2276244
Ion Ratio Lower Upper
43 100
58 48.0 23.1 69.2

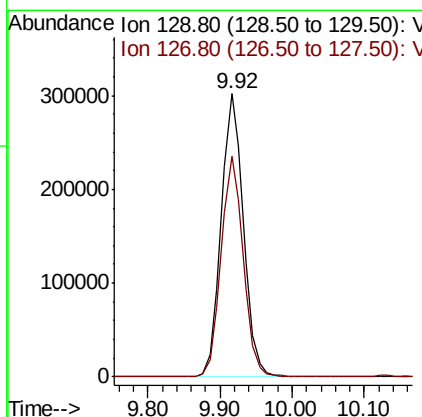
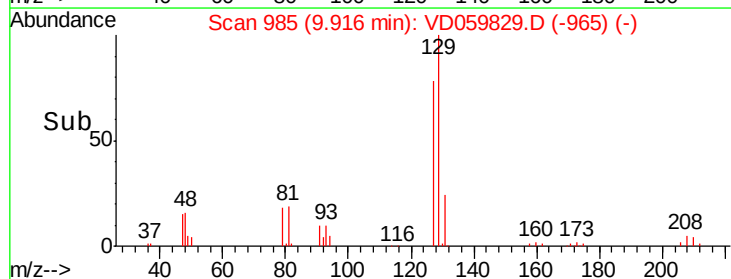
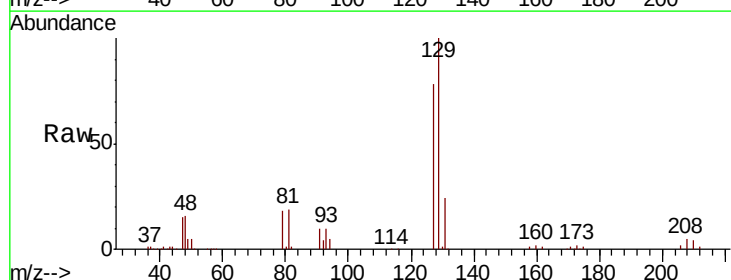
Manual Integrations
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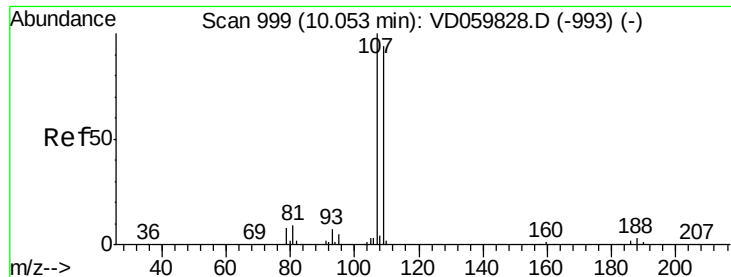
apatel
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#60
Dibromochloromethane
Concen: 70.70 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 129 Resp: 643404
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9





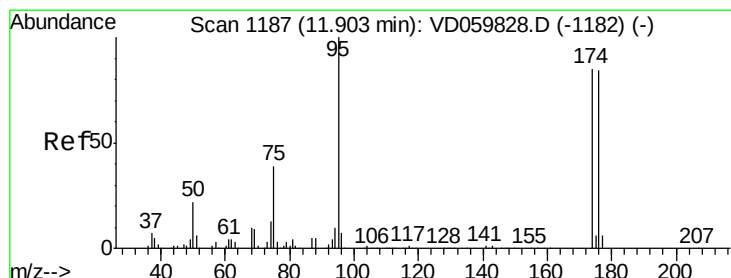
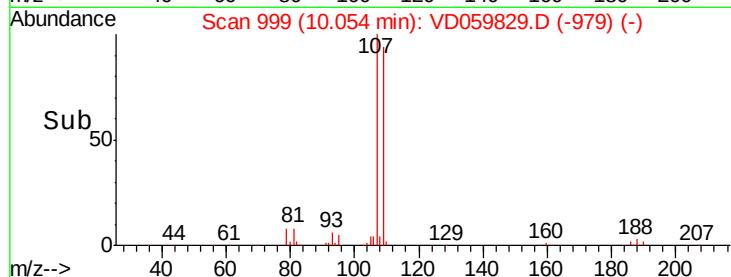
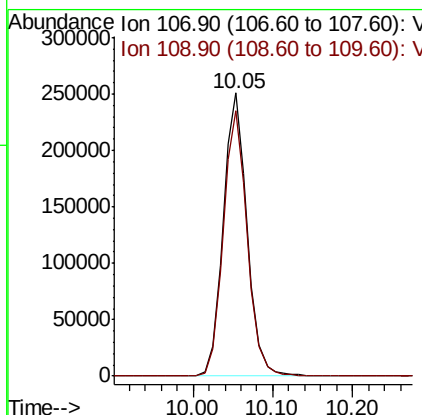
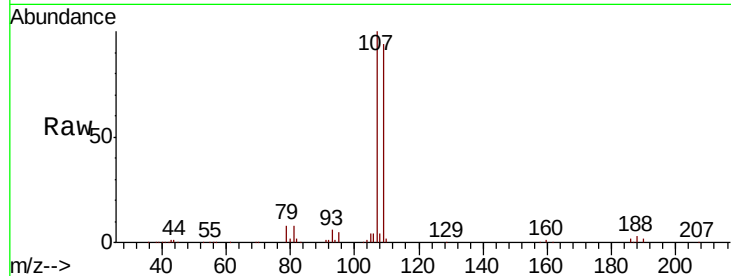
#61
 1,2-Dibromoethane
 Concen: 70.05 ug/l
 RT: 10.05 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

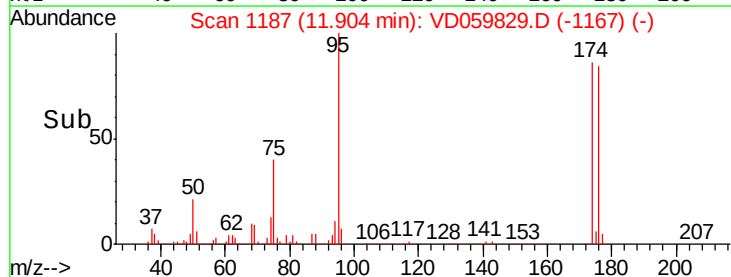
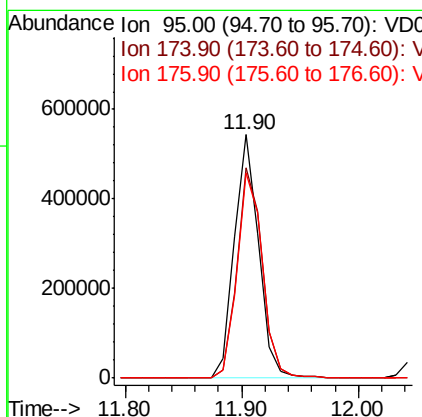
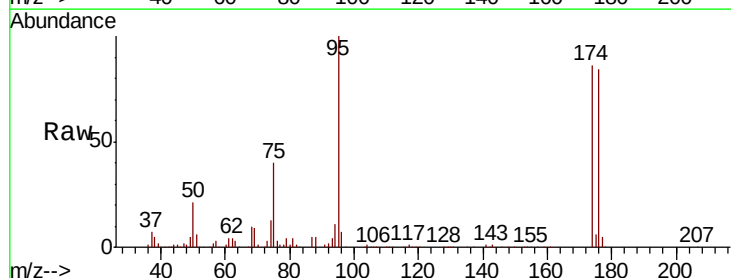
Manual Integrations
 APPROVED

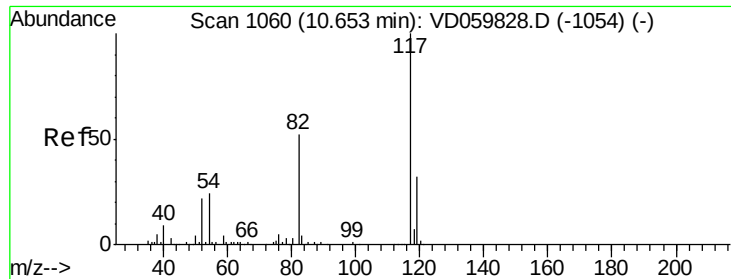
apatel
 8/21/2018 10:23:36 AM



#62
 4-Bromofluorobenzene
 Concen: 70.05 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	169.2
176	84.4	0.0	168.0





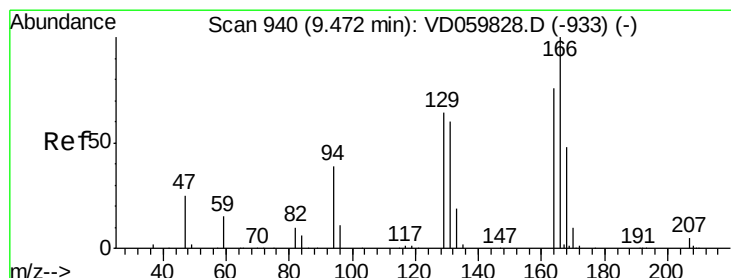
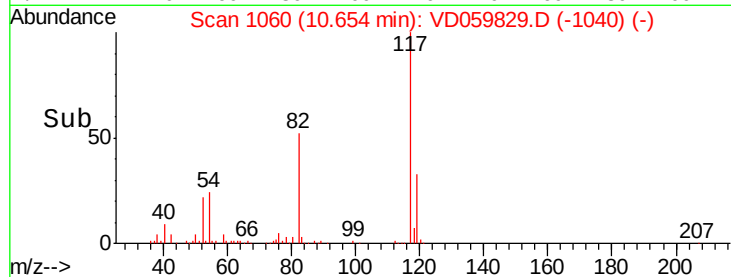
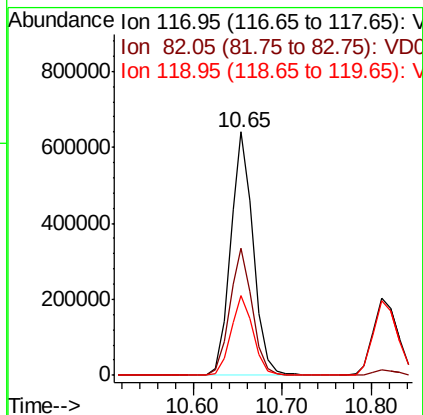
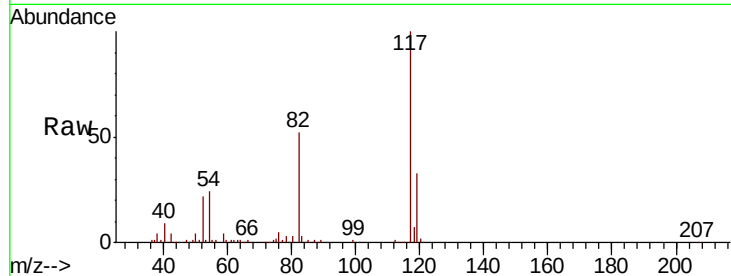
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.6	62.4
119	32.6	25.6	38.4

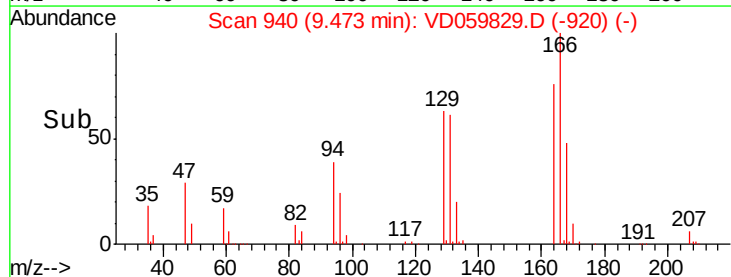
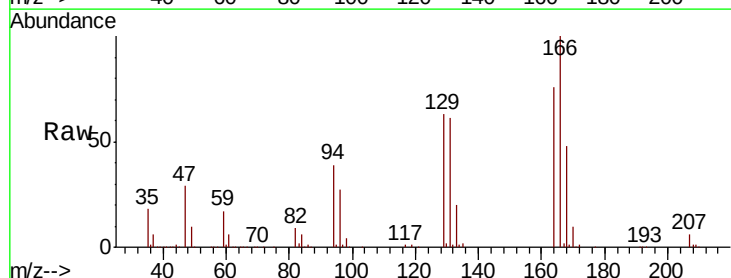
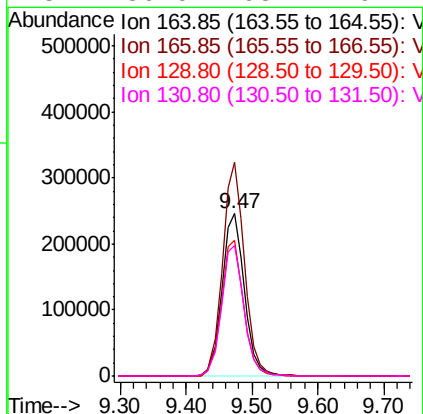
Manual Integrations
APPROVED

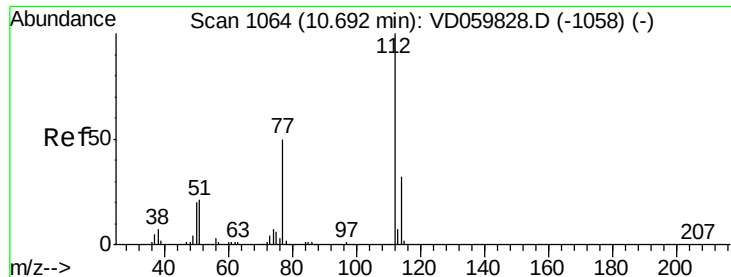
apatel
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#64
Tetrachloroethene
Concen: 69.57 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	104.9	157.3
129	83.2	66.7	100.1
131	80.0	63.1	94.7





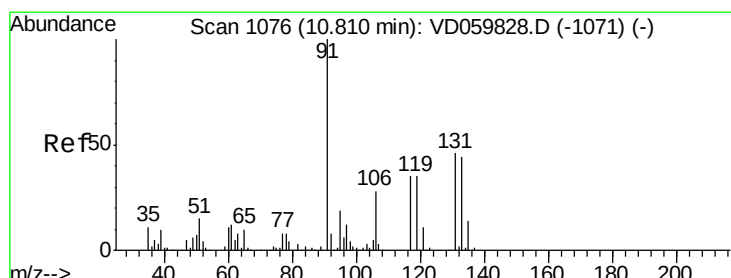
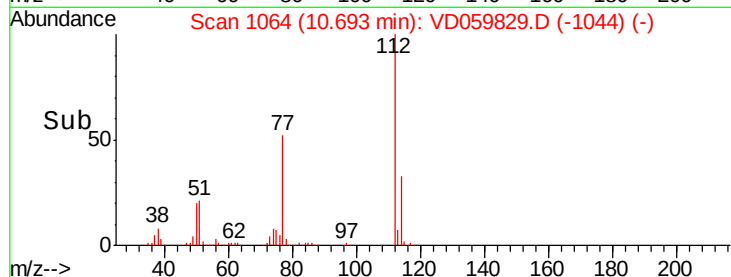
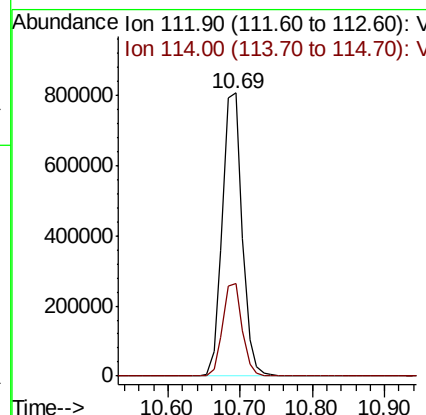
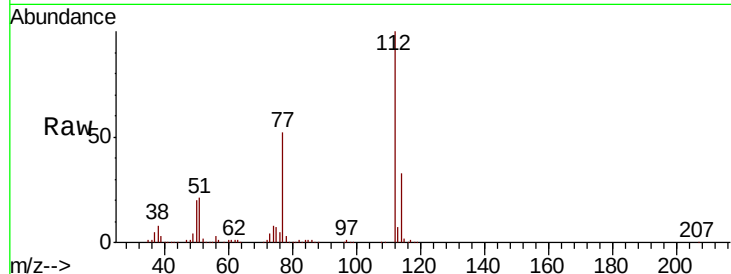
#65
Chlorobenzene
Concen: 69.06 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1529285
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5

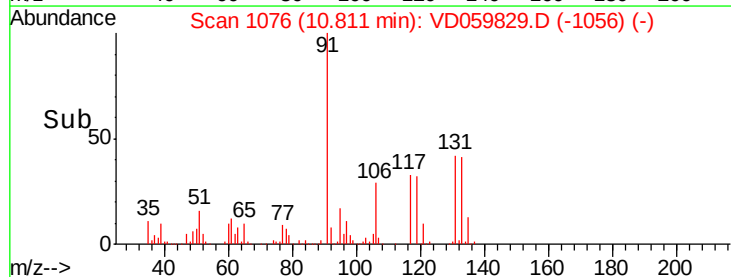
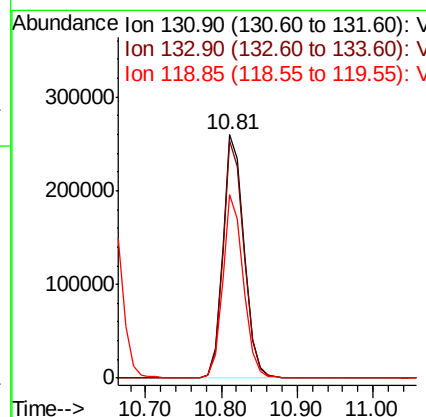
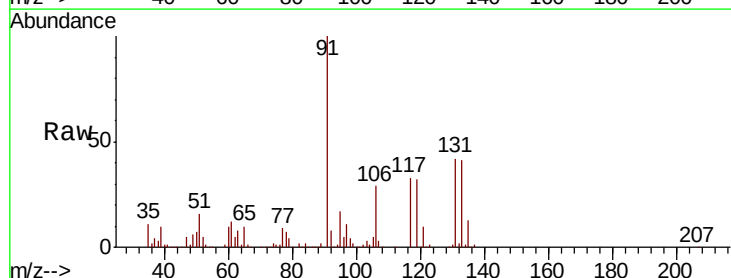
Manual Integrations
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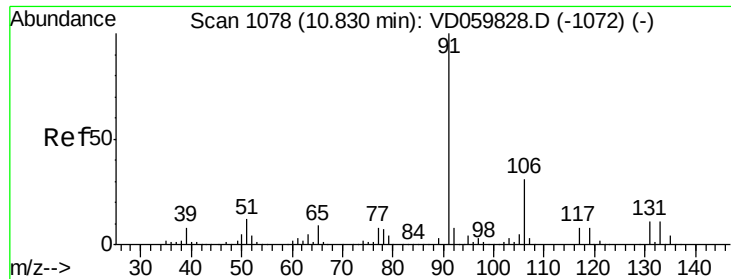
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#66
1,1,1,2-Tetrachloroethane
Concen: 66.33 ug/l
RT: 10.81 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:131 Resp: 507174
Ion Ratio Lower Upper
131 100
133 97.4 47.1 141.4
119 75.1 37.5 112.7





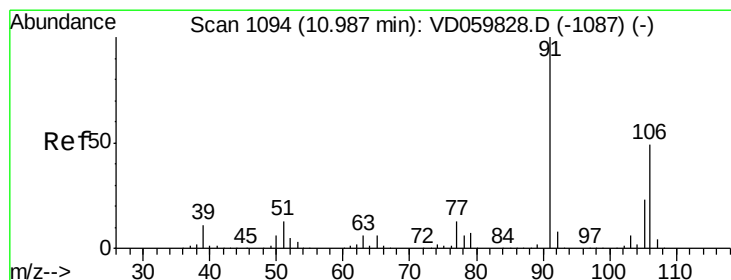
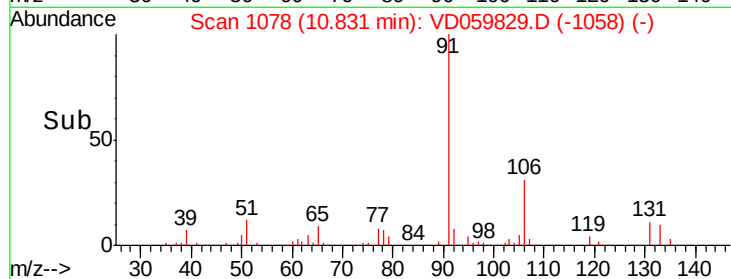
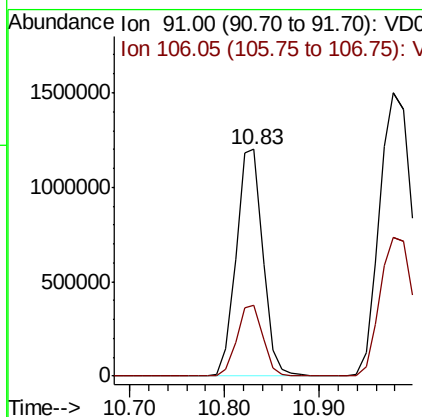
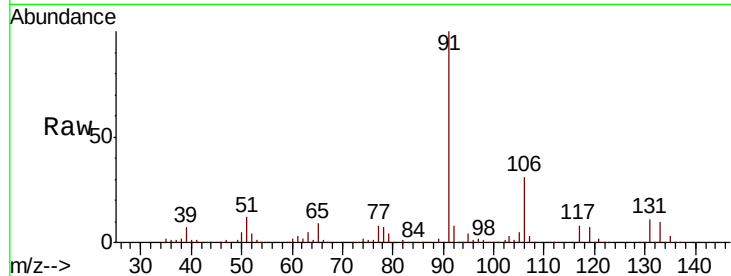
#67
Ethyl Benzene
Concen: 64.29 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2334698
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

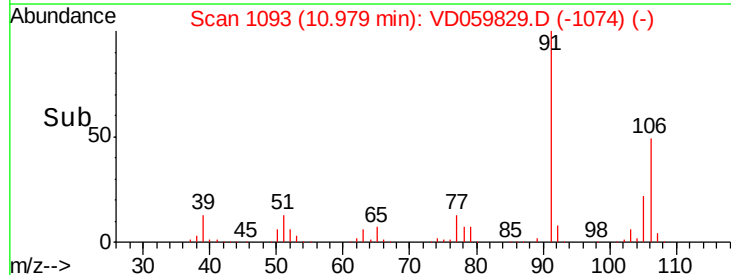
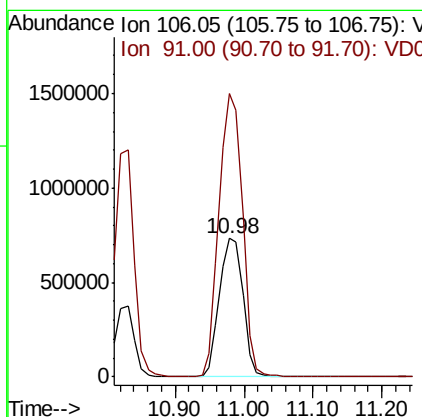
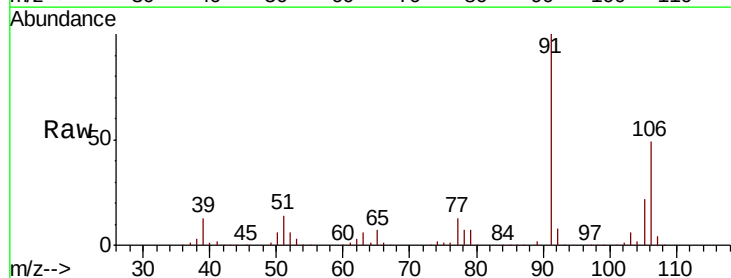
Manual Integrations
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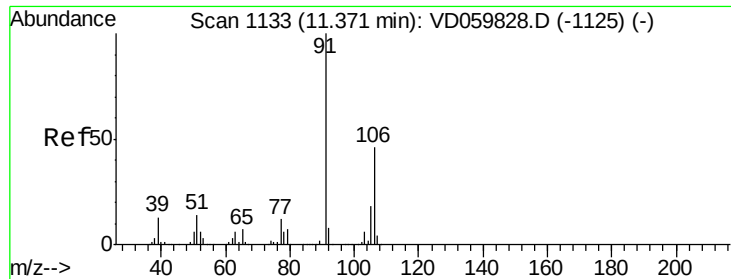
apatel
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#68
m/p-Xylenes
Concen: 130.93 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:106 Resp: 1741719
Ion Ratio Lower Upper
106 100
91 204.1 161.8 242.8





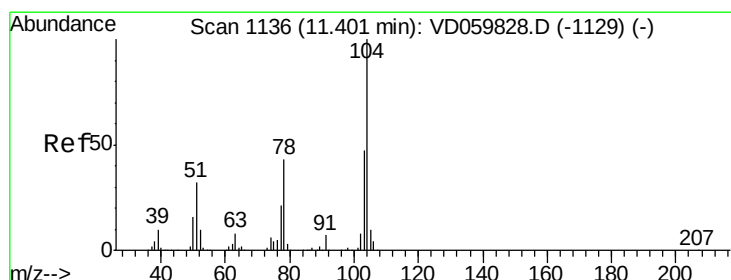
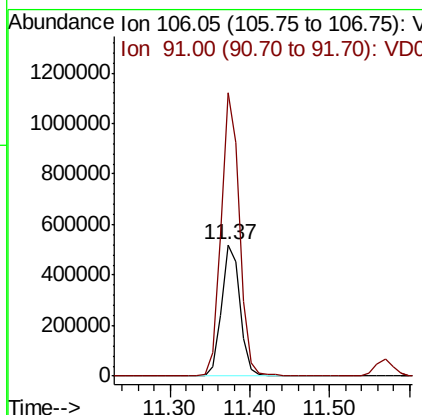
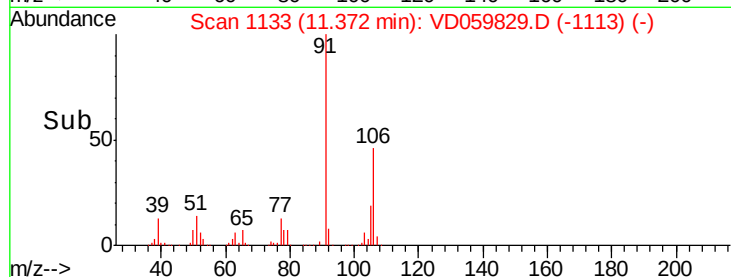
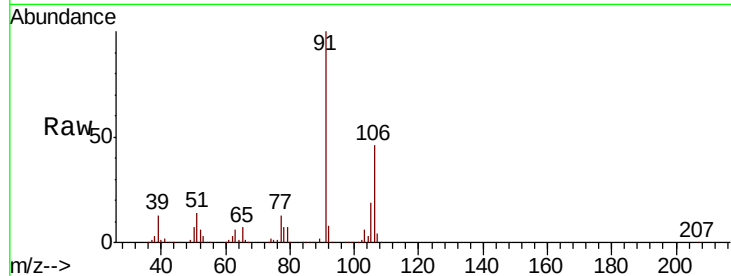
#69
o-Xylene
Concen: 66.14 ug/l
RT: 11.37 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
106	100	859598		
91	215.9	108.5	325.3	

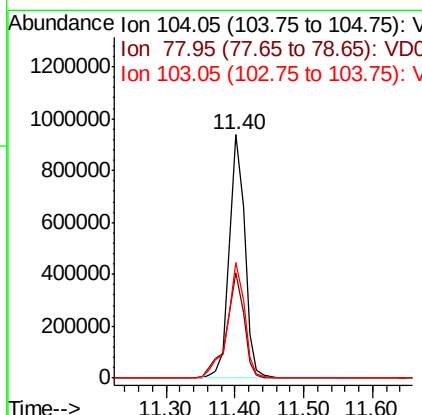
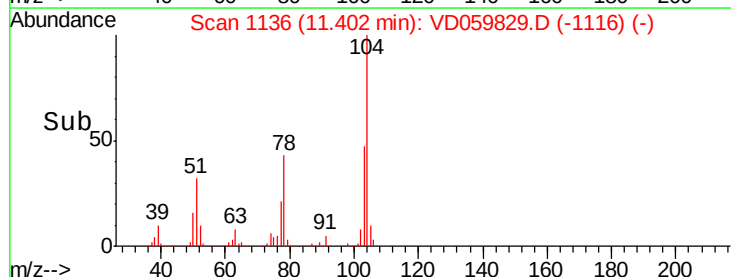
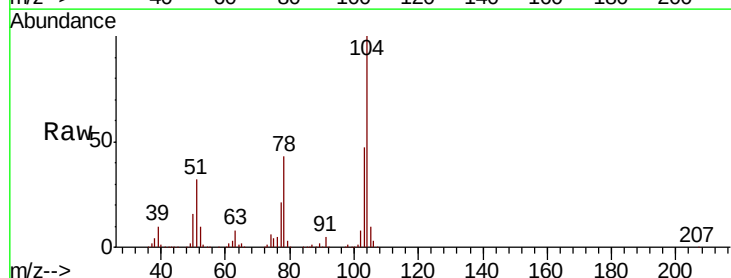
Manual Integrations
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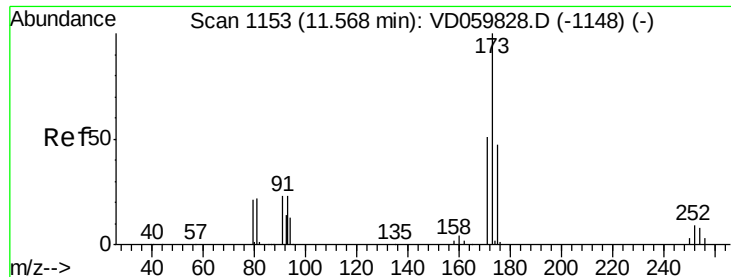
apatel
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#70
Styrene
Concen: 65.37 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1472438		
78	43.5	34.6	52.0	
103	47.2	37.8	56.6	





#71

Bromoform

Concen: 71.62 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 478680

Ion Ratio Lower Upper

173 100

175 48.4 23.7 71.1

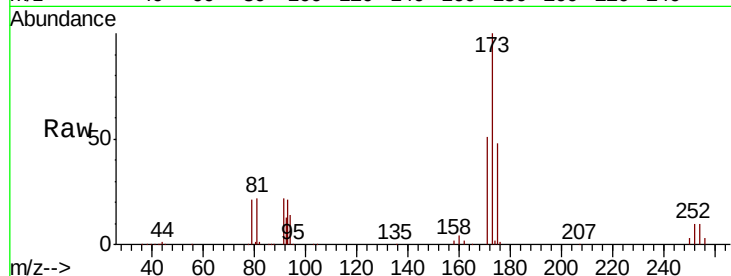
254 9.8 6.7 10.1

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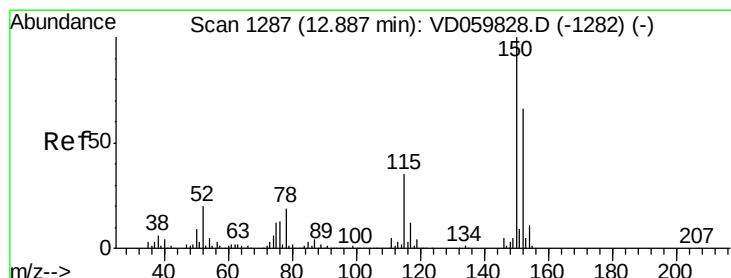
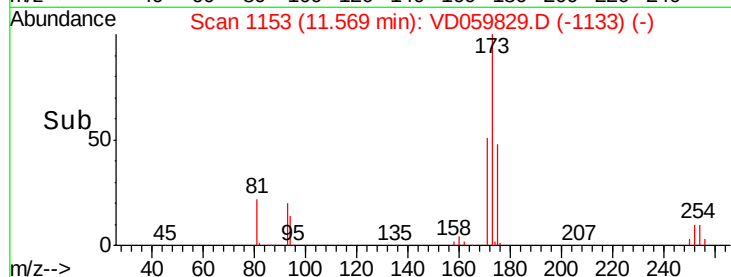
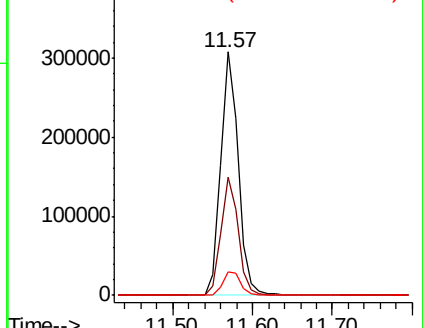
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

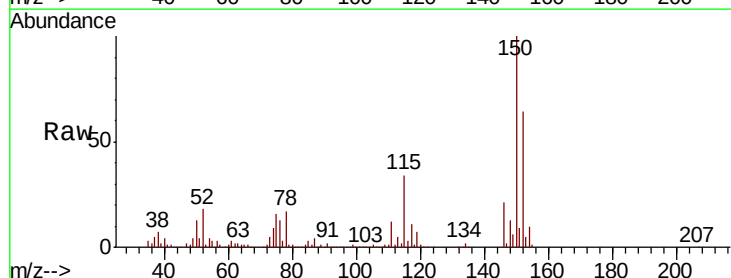
Tgt Ion:152 Resp: 518537

Ion Ratio Lower Upper

152 100

115 53.1 26.9 80.6

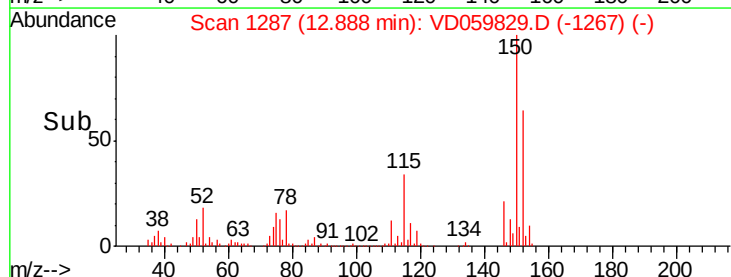
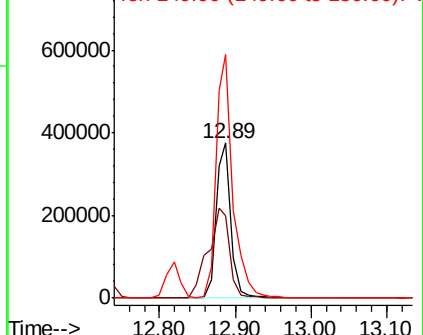
150 156.8 0.0 306.8

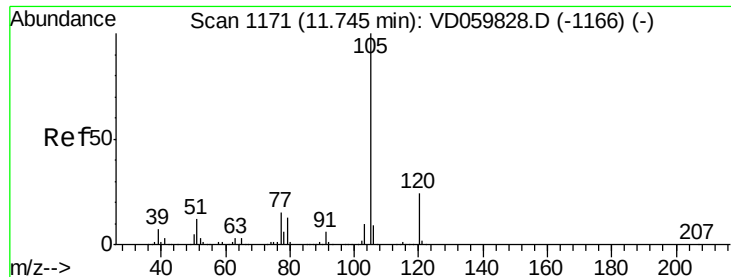


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 64.40 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2277814

Ion Ratio Lower Upper

105 100

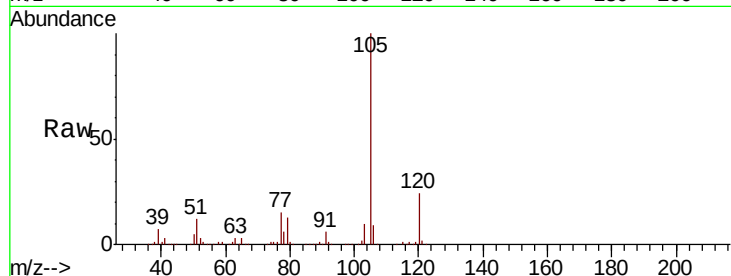
120 23.7 11.9 35.5

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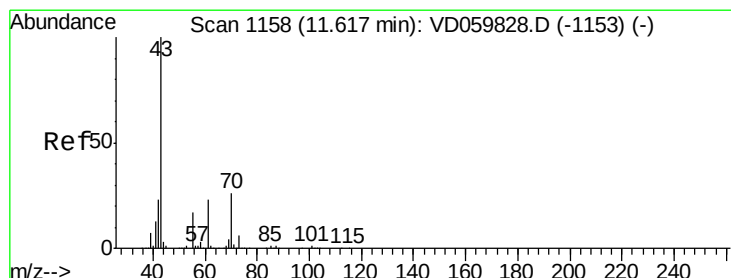
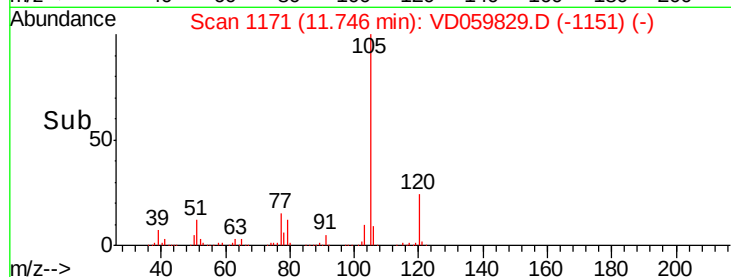
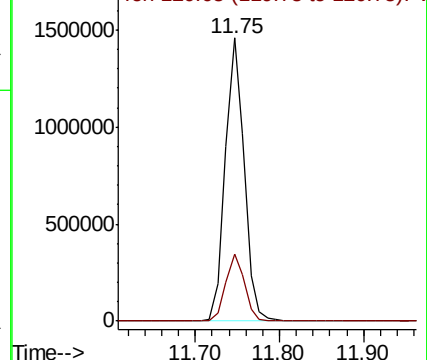
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 69.70 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Tgt Ion: 43 Resp: 1090031

Ion Ratio Lower Upper

43 100

70 26.0 20.5 30.7

55 17.6 13.7 20.5

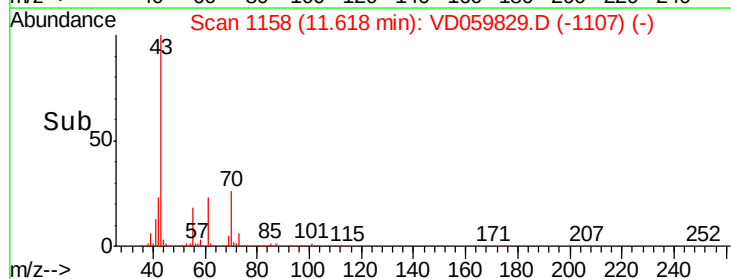
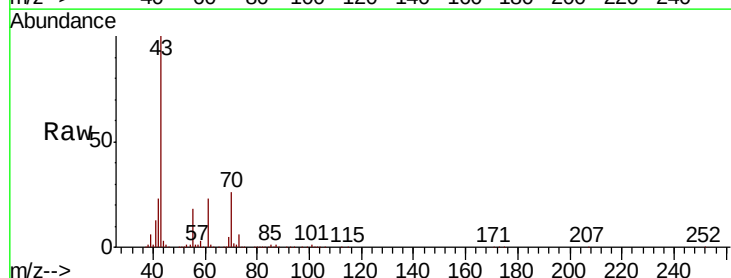
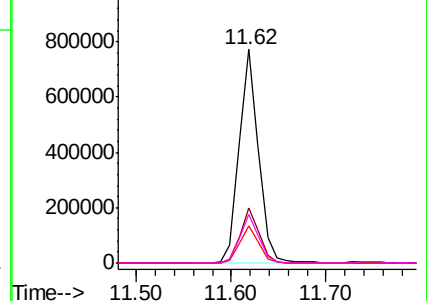
61 22.9 18.0 27.0

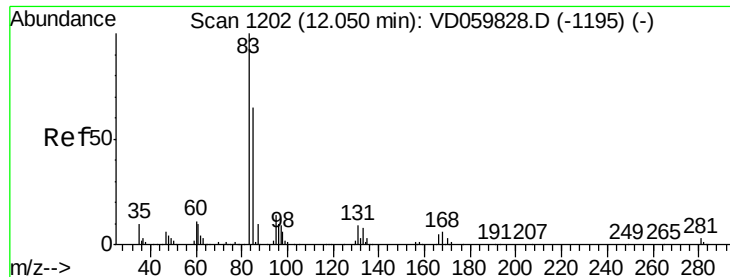
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 68.80 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 559456
Ion Ratio Lower Upper

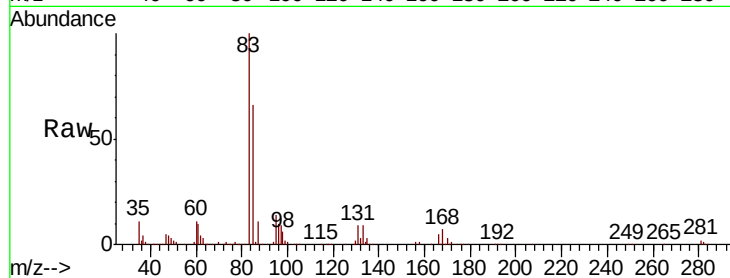
83 100

131 9.1 4.3 13.1

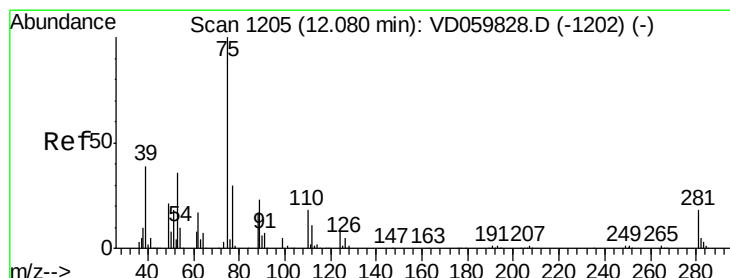
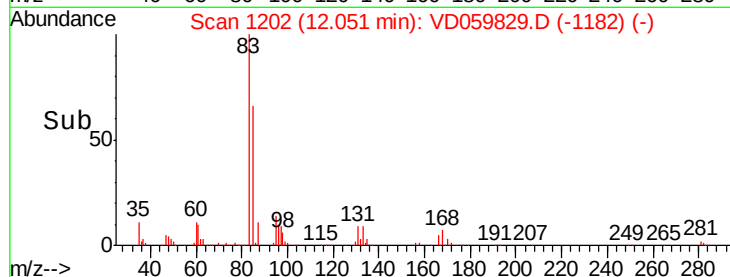
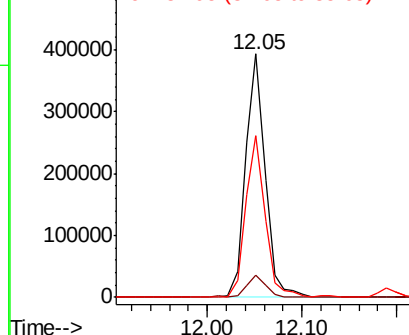
85 66.2 32.5 97.5

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 67.47 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

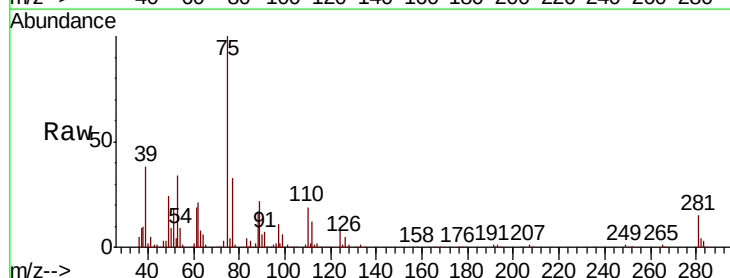
Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

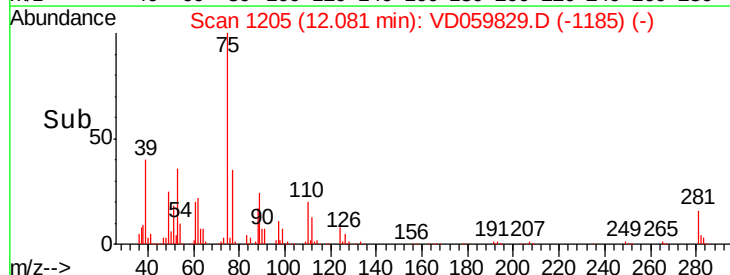
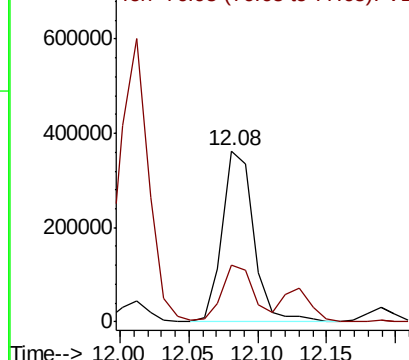
Tgt Ion: 75 Resp: 571675
Ion Ratio Lower Upper

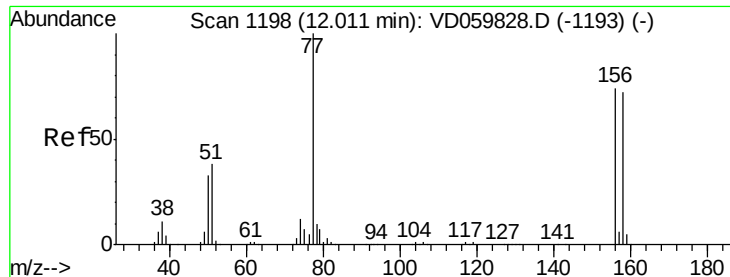
75 100

77 33.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.85 ug/l

RT: 12.01 min Scan# 1198

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

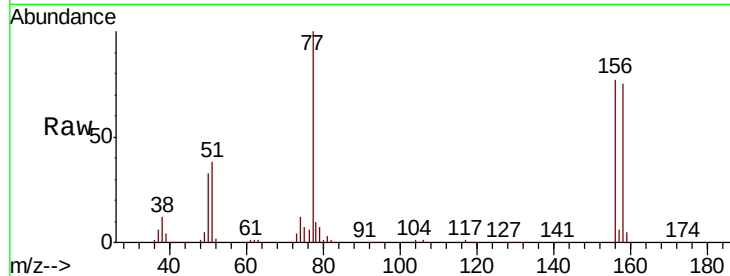
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.2	68.0	204.0
158	98.1	48.9	146.8

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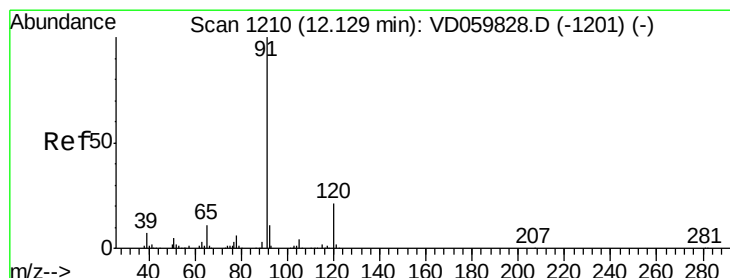
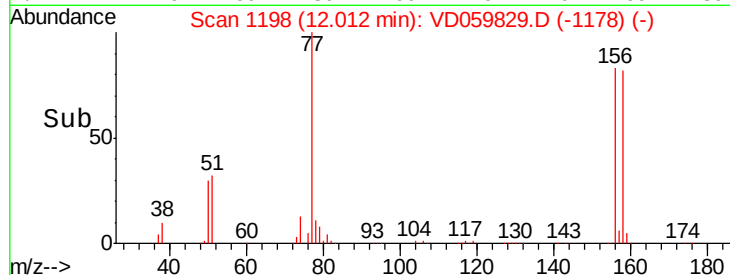
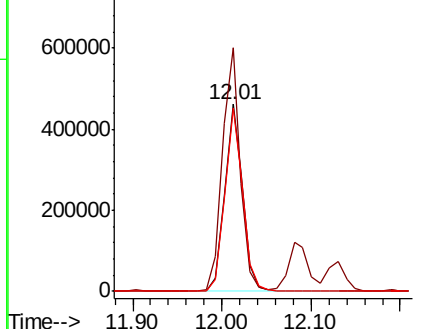
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 64.17 ug/l

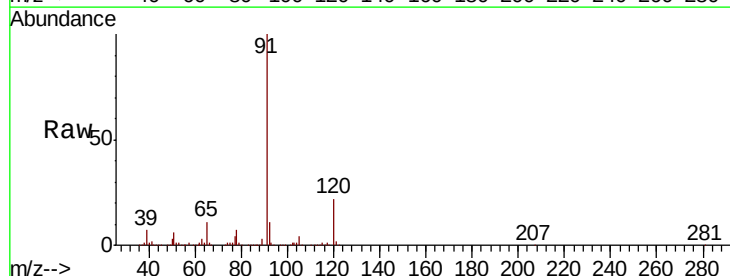
RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059829.D

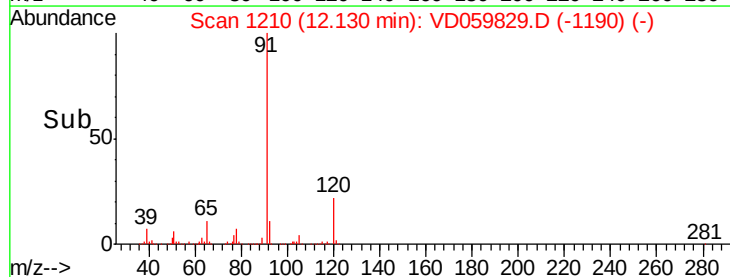
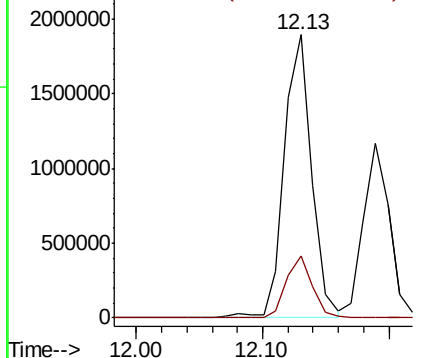
Acq: 20 Aug 2018 13:55

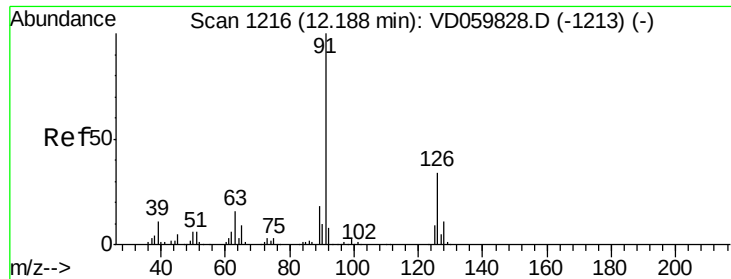
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.5	31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





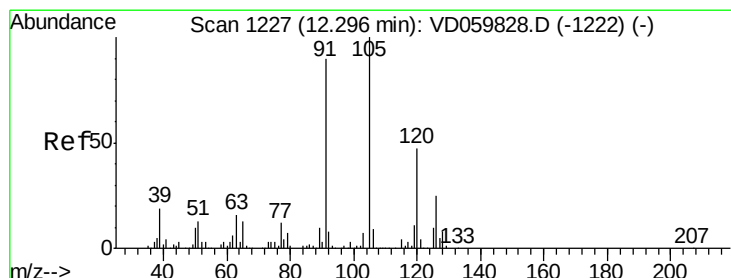
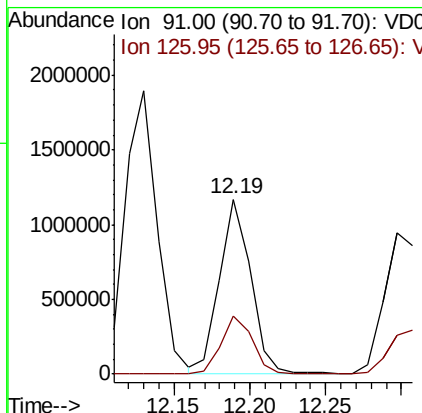
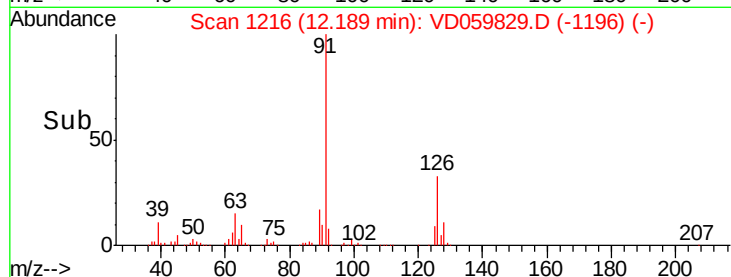
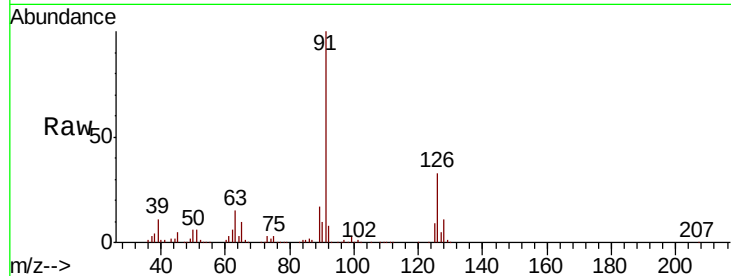
#79
2-Chlorotoluene
Concen: 65.92 ug/l
RT: 12.19 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1672639
Ion Ratio Lower Upper
91 100
126 33.2 16.6 49.8

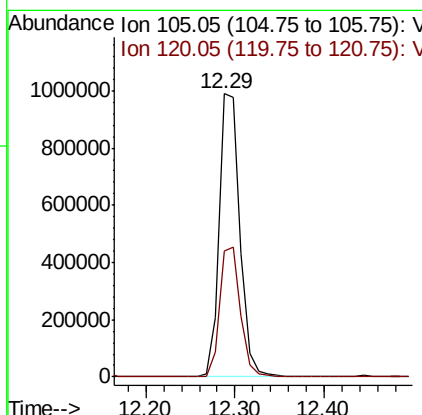
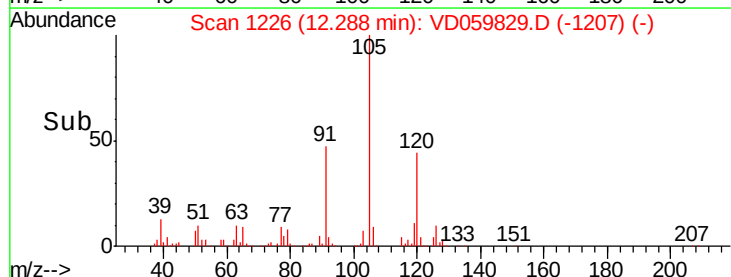
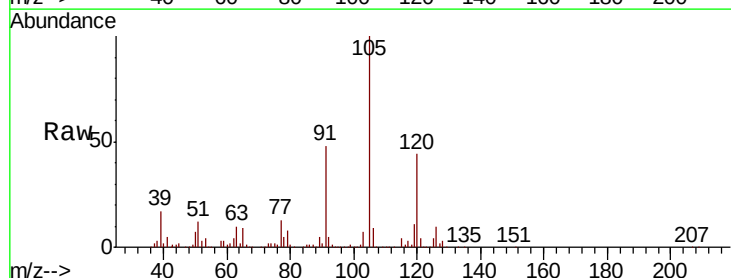
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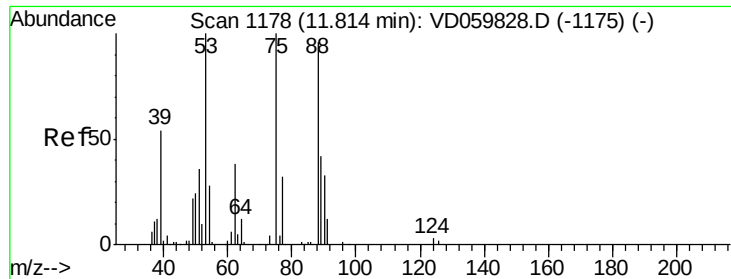
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#80
1,3,5-Trimethylbenzene
Concen: 60.87 ug/l
RT: 12.29 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion:105 Resp: 1614855
Ion Ratio Lower Upper
105 100
120 44.5 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 70.89 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VD059829.D

Acq: 20 Aug 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 185801

Ion Ratio Lower Upper

75 100

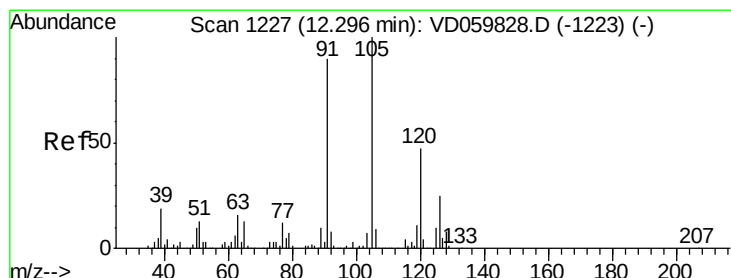
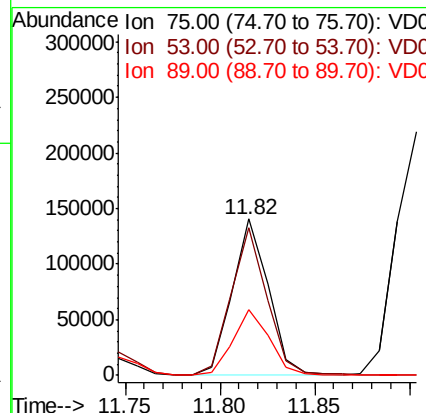
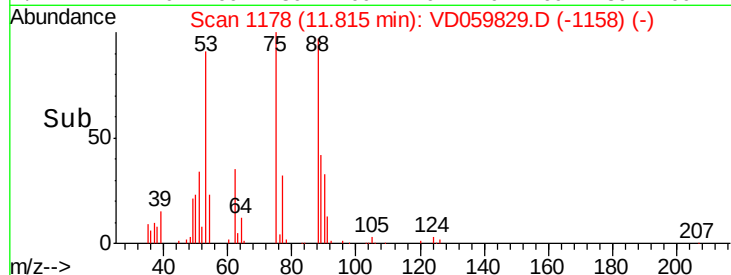
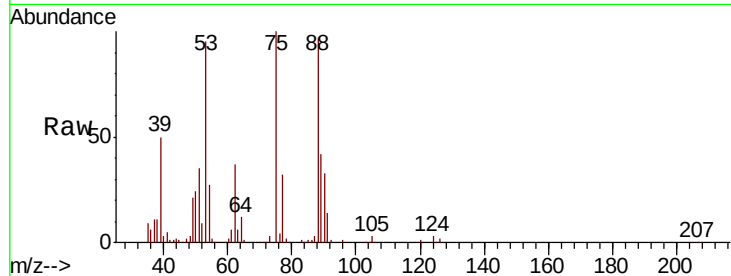
53 94.7 80.7 121.1

89 41.7 33.9 50.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 58.85 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059829.D

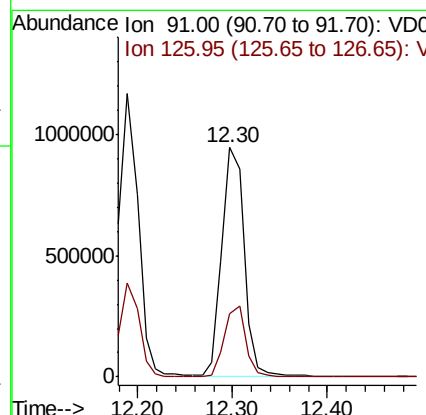
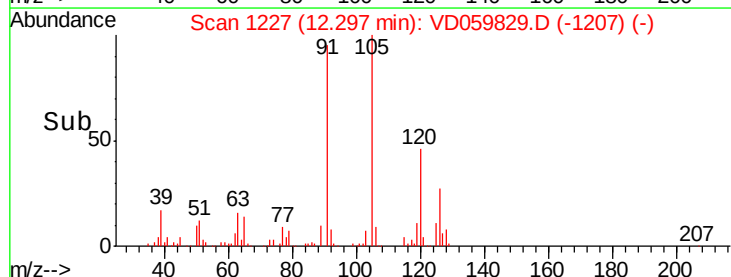
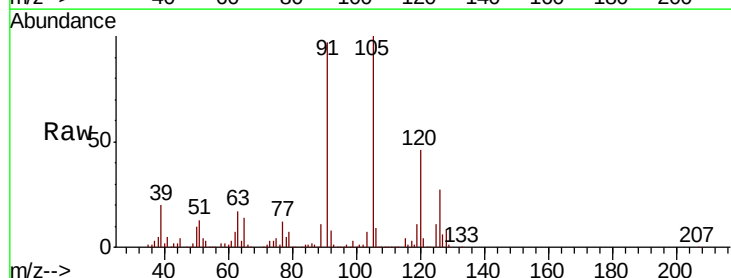
Acq: 20 Aug 2018 13:55

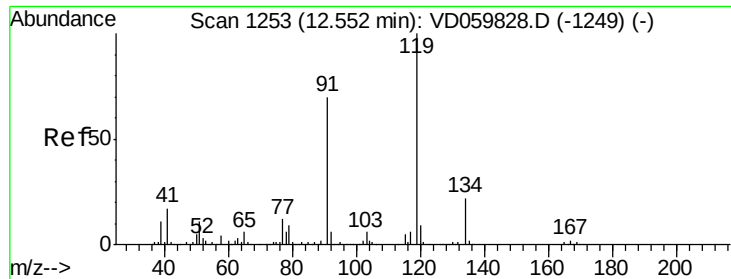
Tgt Ion: 91 Resp: 1552410

Ion Ratio Lower Upper

91 100

126 27.8 13.7 41.0





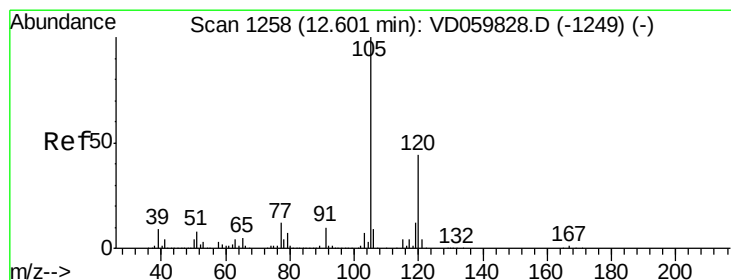
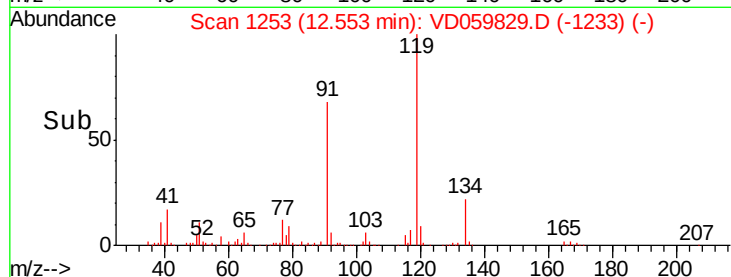
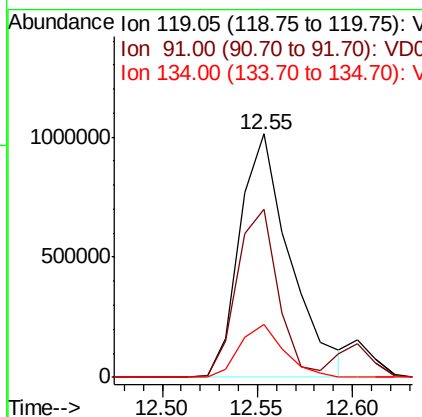
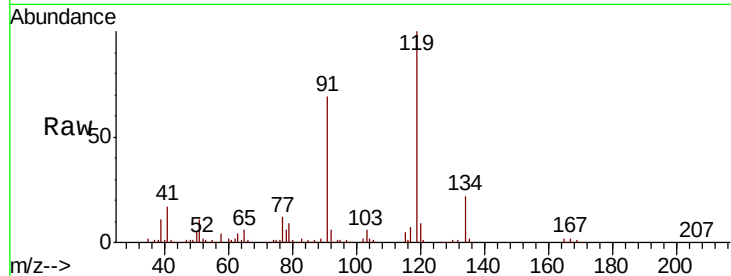
#83
 tert-Butylbenzene
 Concen: 59.88 ug/l m
 RT: 12.55 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	35.1	105.3
134	22.0	11.0	33.0

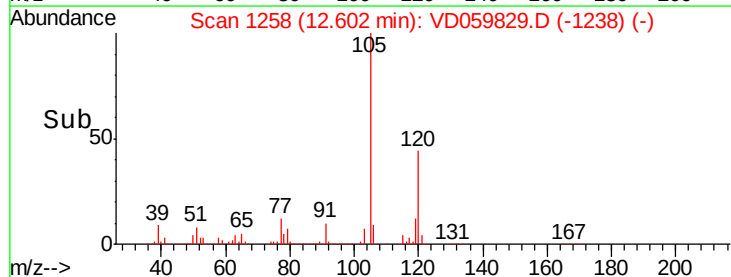
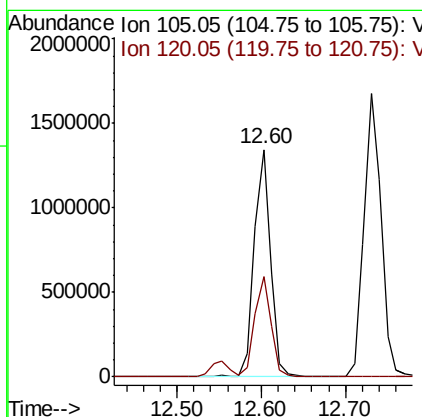
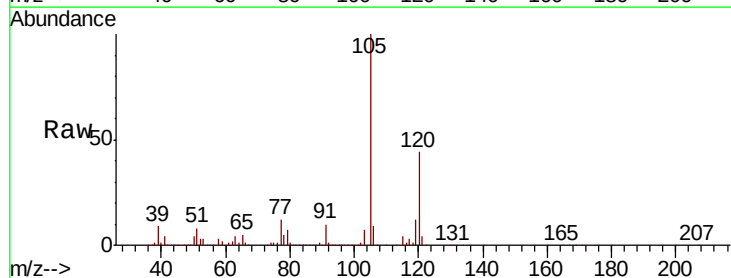
Manual Integrations
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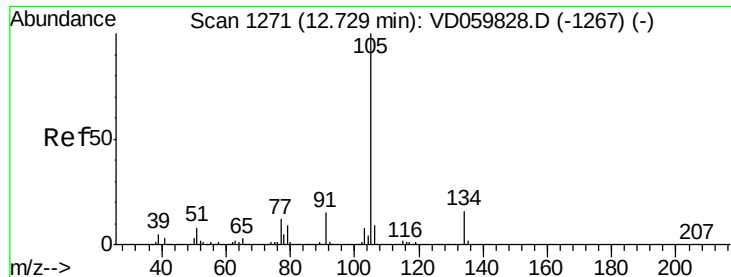
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#84
 1,2,4-Trimethylbenzene
 Concen: 62.71 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.0	66.0





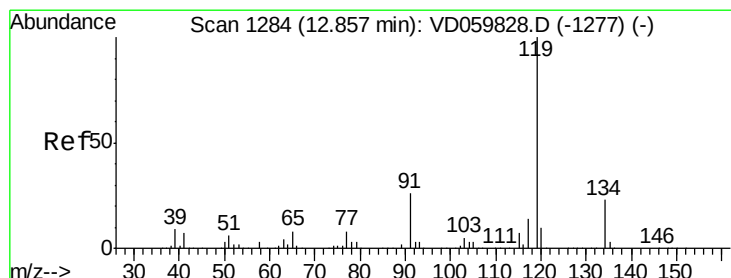
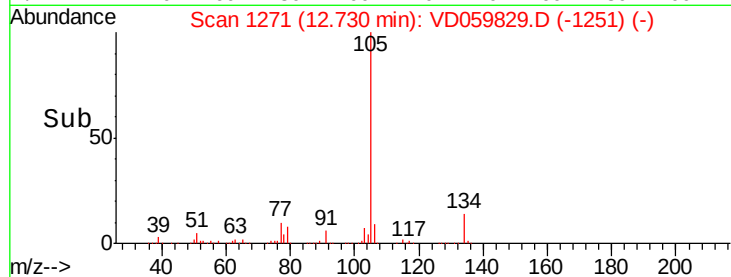
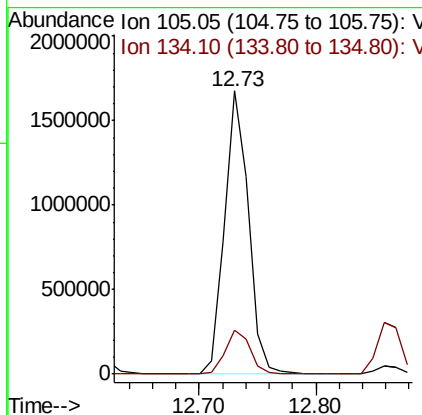
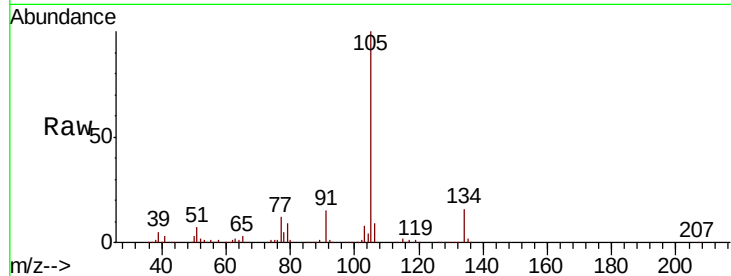
#85
 sec-Butylbenzene
 Concen: 63.29 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 2367506
 Ion Ratio Lower Upper
 105 100
 134 15.6 7.8 23.5

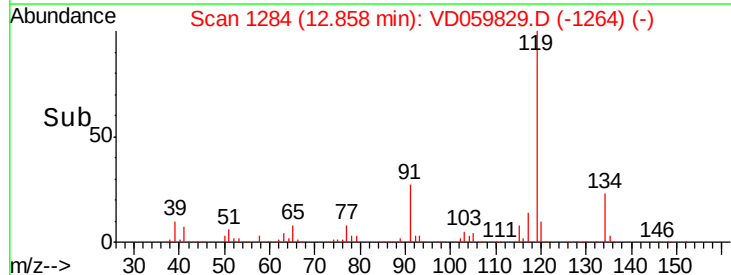
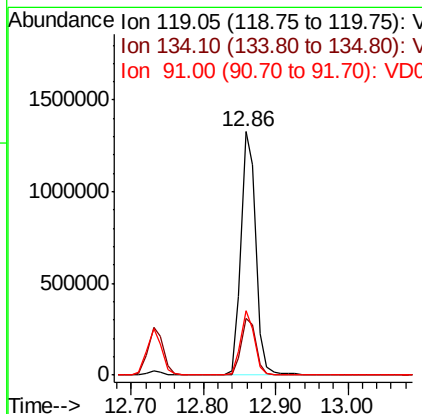
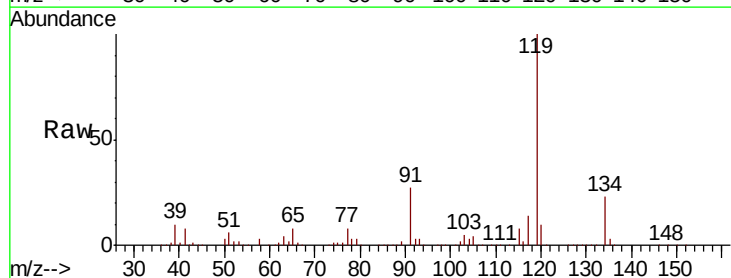
Manual Integrations
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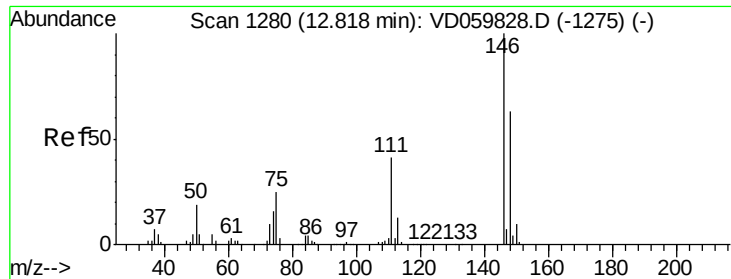
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#86
 p-Isopropyltoluene
 Concen: 65.17 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion:119 Resp: 1913469
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.5
 91 26.7 13.2 39.6





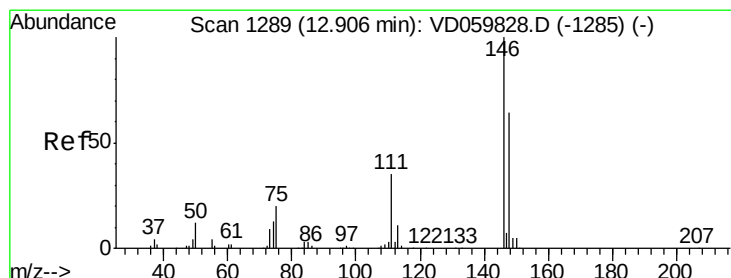
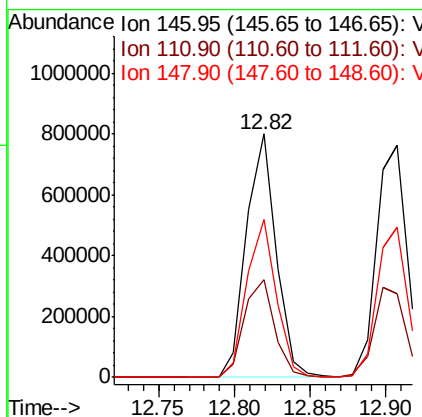
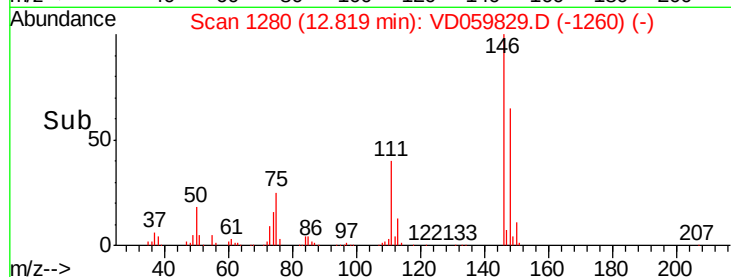
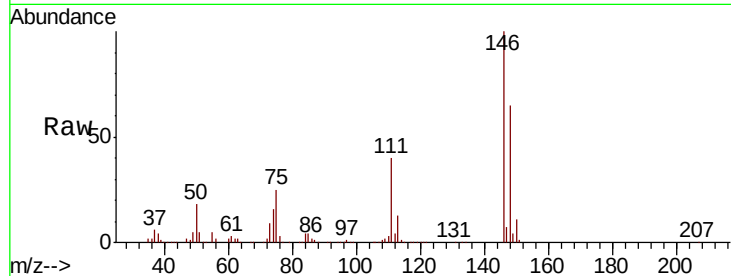
#87
 1,3-Dichlorobenzene
 Concen: 66.50 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	65.0	31.6	94.7

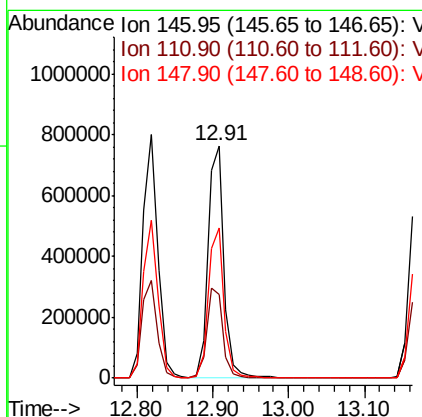
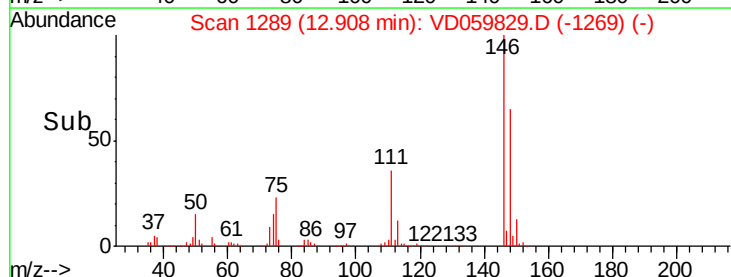
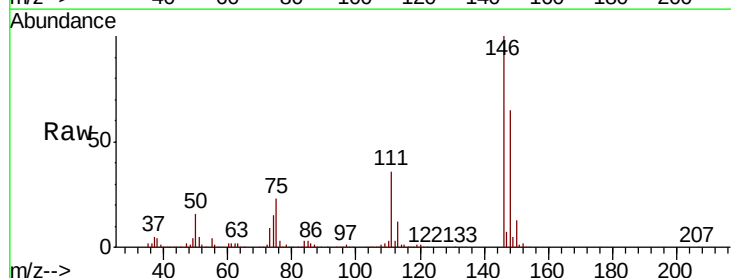
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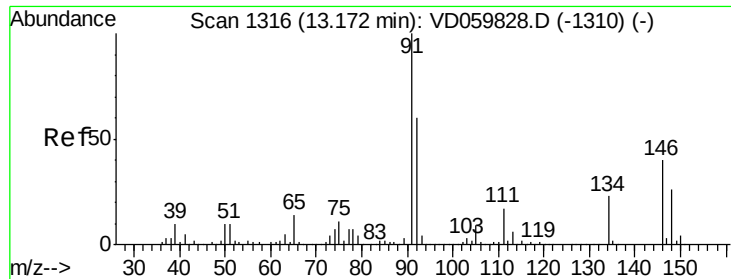
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#88
 1,4-Dichlorobenzene
 Concen: 67.01 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.3
148	64.7	31.9	95.9





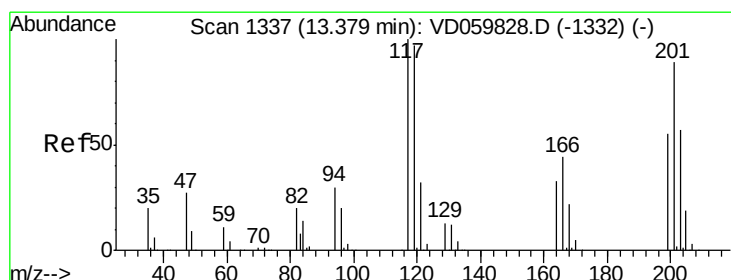
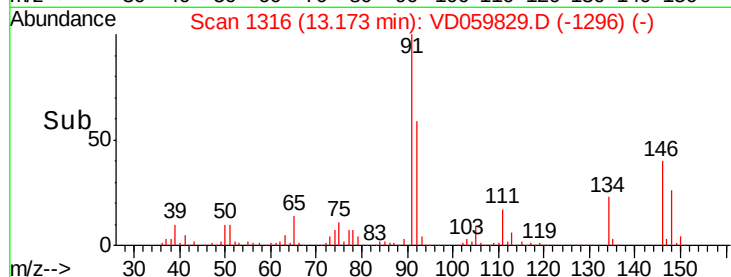
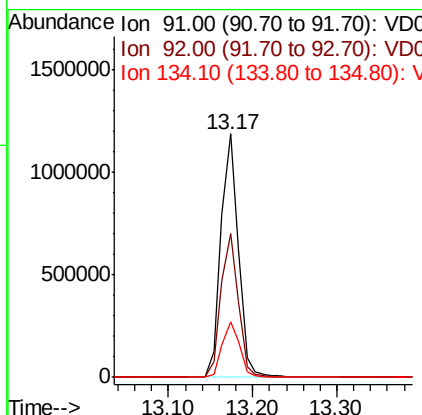
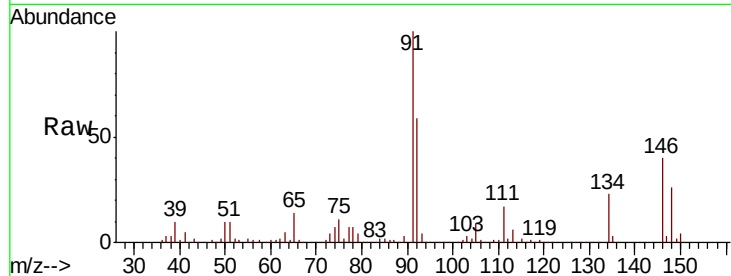
#89
n-Butylbenzene
Concen: 58.15 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1712856
Ion Ratio Lower Upper
91 100
92 58.8 29.8 89.5
134 23.0 11.5 34.4

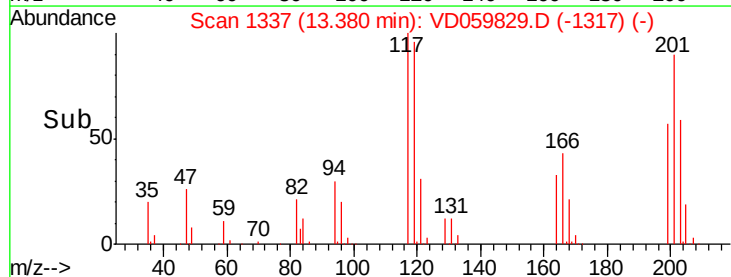
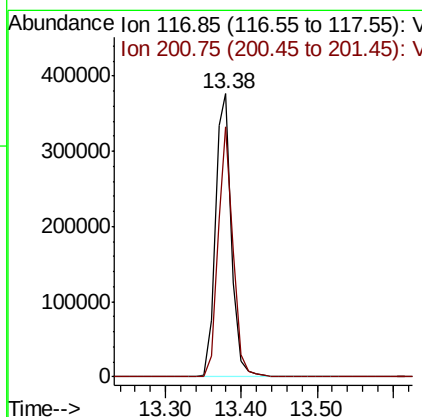
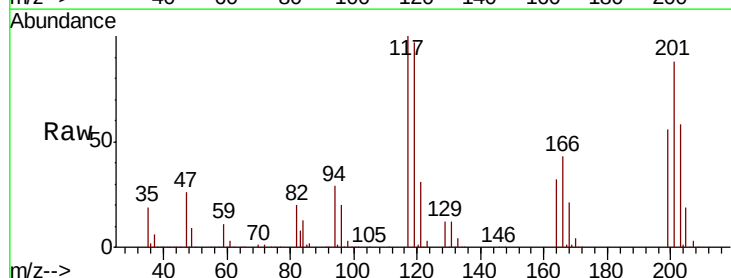
Manual Integrations
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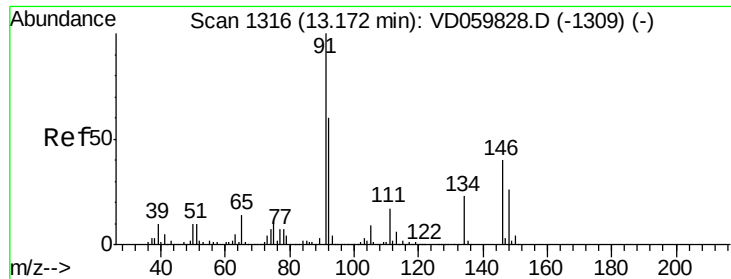
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#90
Hexachloroethane
Concen: 68.26 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion: 117 Resp: 566171
Ion Ratio Lower Upper
117 100
201 88.5 44.6 134.0





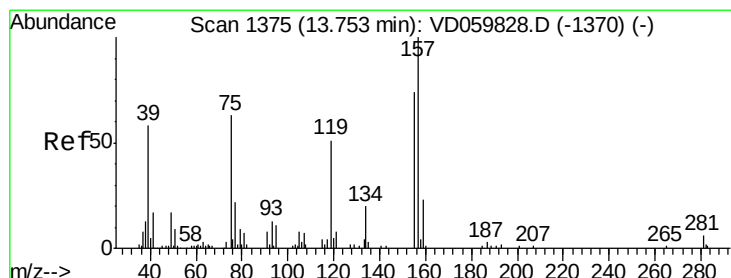
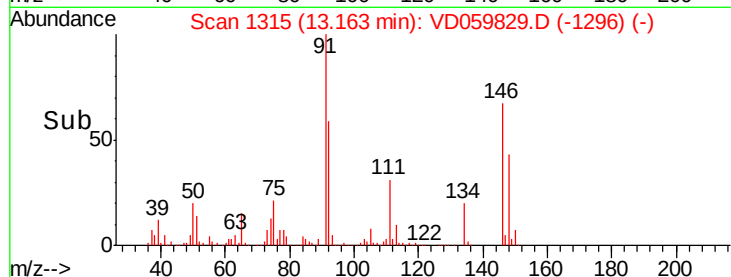
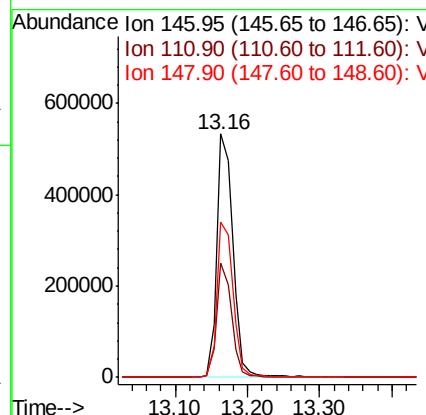
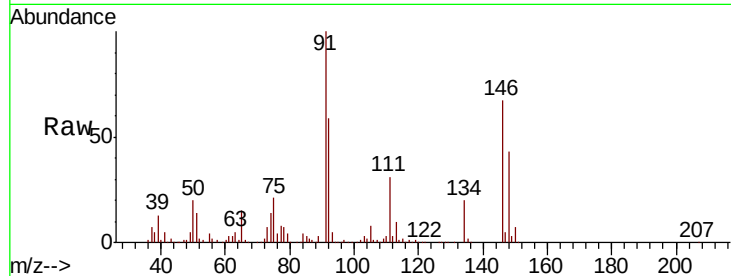
#91
 1,2-Dichlorobenzene
 Concen: 60.03 ug/l
 RT: 13.16 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	809267		
111	47.0		20.9	62.8
148	64.0		31.6	94.8

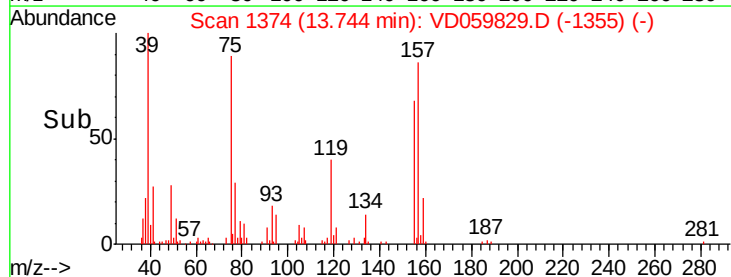
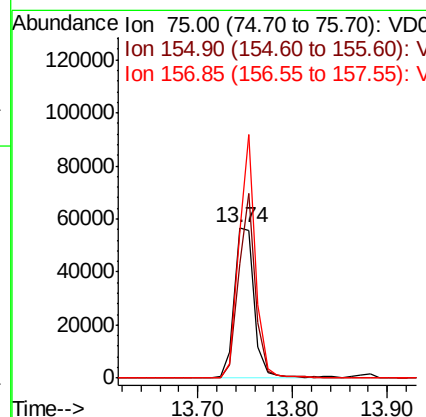
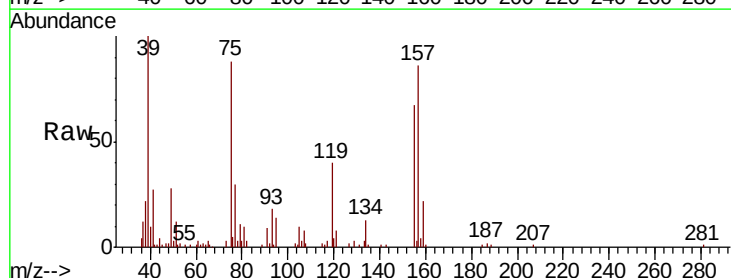
Manual Integrations
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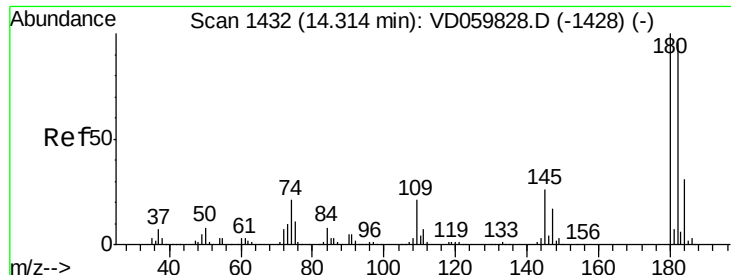
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.64 ug/l
 RT: 13.74 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83896		
155	76.1		59.1	177.3
157	97.1		79.7	238.9





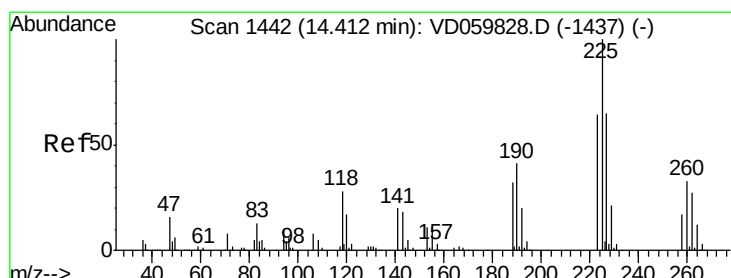
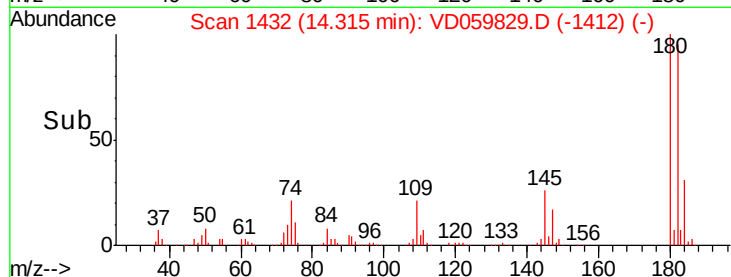
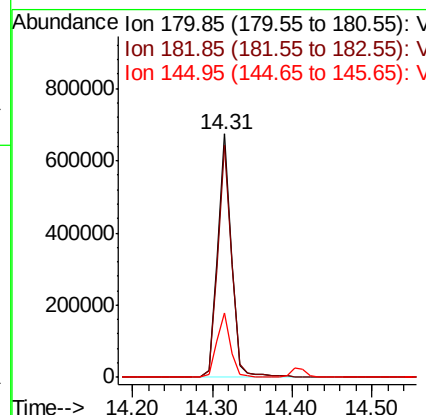
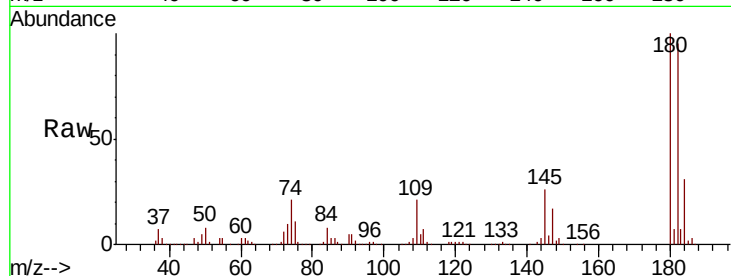
#93
 1,2,4-Trichlorobenzene
 Concen: 69.32 ug/l
 RT: 14.31 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.0	144.0	
145	26.3	13.1	39.1	

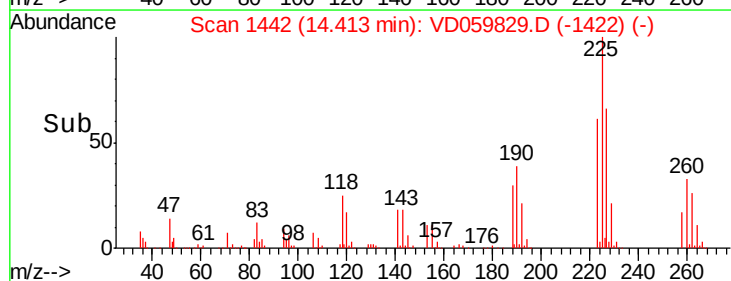
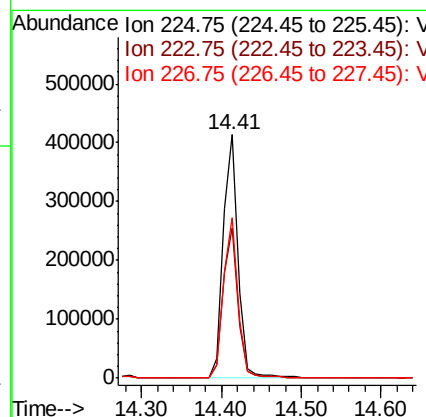
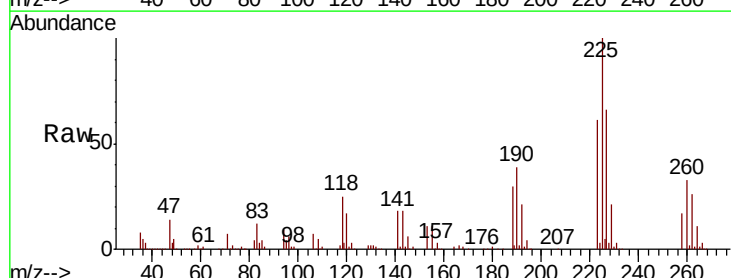
Manual Integrations
 APPROVED

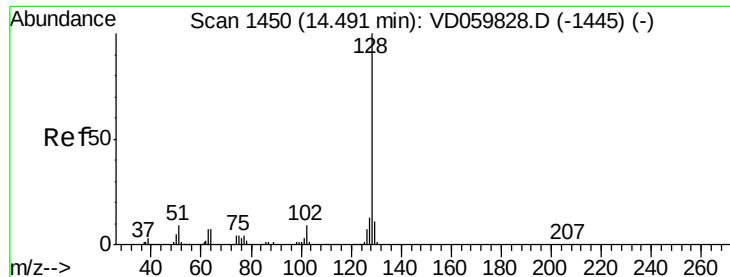
apatel
 8/21/2018 10:23:36 AM



#94
 Hexachlorobutadiene
 Concen: 68.50 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059829.D
 Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.8	95.4	
227	65.9	32.8	98.3	





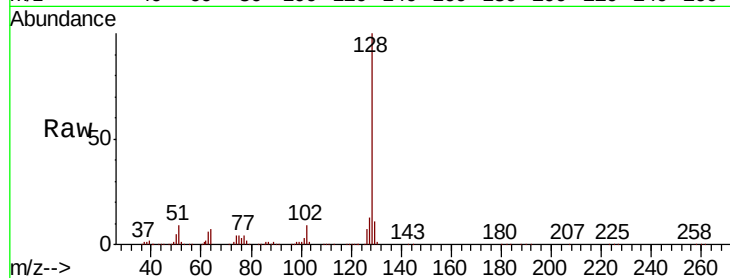
#95
Naphthalene
Concen: 69.65 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:36 AM

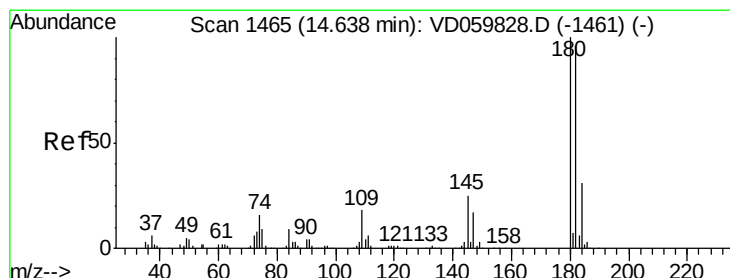
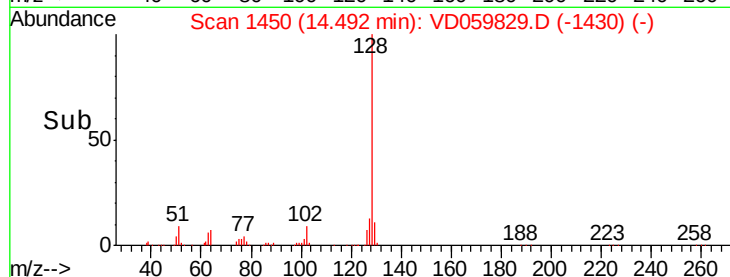
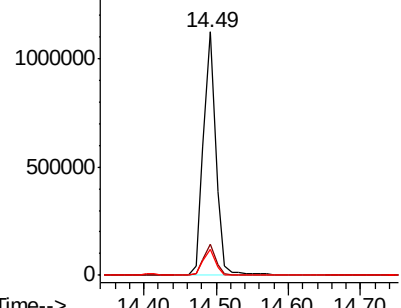


Abundance

Ion 128.00 (127.70 to 128.70): V

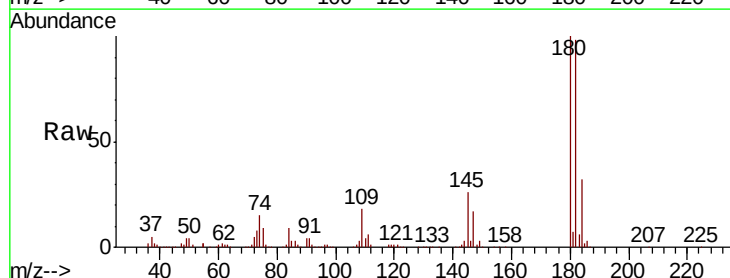
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 69.75 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059829.D
Acq: 20 Aug 2018 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.8	143.4
145	26.0	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

