

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059825.D
 Acq On : 20 Aug 2018 12:02
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 8/21/2018 10:22:58 AM

Quant Time: Aug 21 04:26:52 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	974691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1451292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1182821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	535133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	43245	5.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.00%	
35) Dibromofluoromethane	5.50	113	53811	4.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.94%	
50) Toluene-d8	8.67	98	156078	5.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.91	95	62977	5.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	51652	6.17	ug/l	97
3) Chloromethane	1.47	50	44001	6.34	ug/l	97
4) Vinyl Chloride	1.54	62	31265	5.56	ug/l	97
5) Bromomethane	1.77	94	5756m	7.59	ug/l	
6) Chloroethane	1.86	64	8383	5.95	ug/l	100
7) Trichlorofluoromethane	2.07	101	33399	5.68	ug/l	97
8) Diethyl Ether	2.32	74	6691	5.17	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.52	101	21083	5.73	ug/l	91
10) Methyl Iodide	2.66	142	16062	4.22	ug/l	94
11) Tert butyl alcohol	3.22	59	8275	28.20	ug/l #	49
12) 1,1-Dichloroethene	2.52	96	17565	6.10	ug/l	88
13) Acrolein	2.44	56	6041	21.85	ug/l	84
14) Allyl chloride	2.89	41	44560	5.84	ug/l	94
15) Acrylonitrile	3.33	53	37500	28.30	ug/l	91
16) Acetone	2.58	43	31245	23.60	ug/l	99
17) Carbon Disulfide	2.73	76	60294	6.26	ug/l	99
18) Methyl Acetate	2.90	43	20553	7.11	ug/l #	89
19) Methyl tert-butyl Ether	3.37	73	95248	5.64	ug/l	98
20) Methylene Chloride	3.04	84	44926	10.01	ug/l	94
21) trans-1,2-Dichloroethene	3.35	96	50053	6.22	ug/l	99
22) Diisopropyl ether	4.03	45	216653	5.52	ug/l	95
23) Vinyl Acetate	3.97	43	549226	25.89	ug/l	99
24) 1,1-Dichloroethane	3.93	63	95031	5.53	ug/l	100
25) 2-Butanone	4.79	43	97975	24.64	ug/l	99
26) 2,2-Dichloropropane	4.75	77	81884	6.01	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	56103	5.42	ug/l	93
28) Bromochloromethane	5.10	49	48080	5.46	ug/l	90
29) Tetrahydrofuran	5.14	42	53098	26.62	ug/l	99
30) Chloroform	5.28	83	89786	5.31	ug/l	99
31) Cyclohexane	5.55	56	105838	6.75	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	77798	5.45	ug/l	98
36) 1,1-Dichloropropene	5.70	75	73526	5.89	ug/l	99
37) Ethyl Acetate	4.88	43	48922	5.39	ug/l	99
38) Carbon Tetrachloride	5.68	117	70617	5.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	75053	5.66	ug/l	99
40) Benzene	5.97	78	177464	5.51	ug/l	98
41) Methacrylonitrile	5.08	41	26054	5.57	ug/l	95
42) 1,2-Dichloroethane	6.08	62	53717	5.19	ug/l	96
43) Isopropyl Acetate	7.57	43	68182	5.47	ug/l #	94
44) Trichloroethene	6.94	130	49621	5.22	ug/l	94
45) 1,2-Dichloropropane	7.30	63	48251	5.16	ug/l	99
46) Dibromomethane	7.42	93	28943	4.99	ug/l	98
47) Bromodichloromethane	7.70	83	66843	5.19	ug/l	94
48) Methyl methacrylate	7.46	41	37692	5.41	ug/l	93
49) 1,4-Dioxane	7.45	88	5410	93.16	ug/l #	57
51) 4-Methyl-2-Pentanone	8.55	43	206494	24.09	ug/l	97
52) Toluene	8.76	92	113433	5.55	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	63585	5.42	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	74038	5.26	ug/l	97
55) 1,1,2-Trichloroethane	9.42	97	41882	5.75	ug/l	96
56) Ethyl methacrylate	9.27	69	43009	5.14	ug/l #	89
57) 1,3-Dichloropropane	9.63	76	55350	5.22	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.15	63	108633	25.29	ug/l	97
59) 2-Hexanone	9.74	43	149317	23.65	ug/l	98
60) Dibromochloromethane	9.92	129	47212	5.05	ug/l	99
61) 1,2-Dibromoethane	10.06	107	40045	5.17	ug/l	97
64) Tetrachloroethene	9.47	164	48371	5.57	ug/l	97
65) Chlorobenzene	10.69	112	124159	5.40	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.82	131	43223	5.44	ug/l	94
67) Ethyl Benzene	10.83	91	222171	5.89	ug/l	95
68) m/p-Xylenes	10.98	106	162187	11.73	ug/l	98
69) o-Xylene	11.38	106	75696	5.60	ug/l	95
70) Styrene	11.41	104	133302	5.69	ug/l	97
71) Bromoform	11.57	173	34566	4.98	ug/l #	97
73) Isopropylbenzene	11.74	105	209348	5.74	ug/l	97
74) N-amyl acetate	11.62	43	85748	5.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	43422	5.17	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	48426	5.54	ug/l	97
77) Bromobenzene	12.02	156	55042	5.43	ug/l	90
78) n-propylbenzene	12.12	91	266373	5.81	ug/l	94
79) 2-Chlorotoluene	12.19	91	147352	5.63	ug/l	99
80) 1,3,5-Trimethylbenzene	12.29	105	162604	5.94	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.82	75	13753	5.08	ug/l	89
82) 4-Chlorotoluene	12.30	91	171120	6.29	ug/l	92
83) tert-Butylbenzene	12.55	119	159336m	4.95	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	171758	5.67	ug/l	95
85) sec-Butylbenzene	12.73	105	223546	5.79	ug/l	99
86) p-Isopropyltoluene	12.86	119	173446	5.72	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	92284	5.40	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	92159	5.36	ug/l	96
89) n-Butylbenzene	13.17	91	194485	6.40	ug/l	97
90) Hexachloroethane	13.37	117	45355	5.30	ug/l	80
91) 1,2-Dichlorobenzene	13.17	146	85058	6.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	6796	5.47	ug/l	58

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MSVOA_D
ClientSampleId :
VSTDICC005

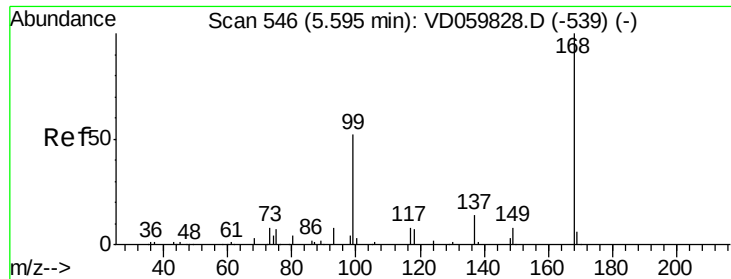
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	66184	5.33	ug/l	96
94) Hexachlorobutadiene	14.41	225	42815	5.19	ug/l	99
95) Naphthalene	14.49	128	101838	5.14	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	55393	5.14	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 974691

Ion Ratio Lower Upper

168 100

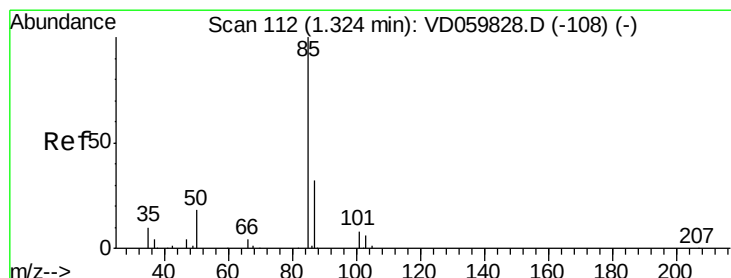
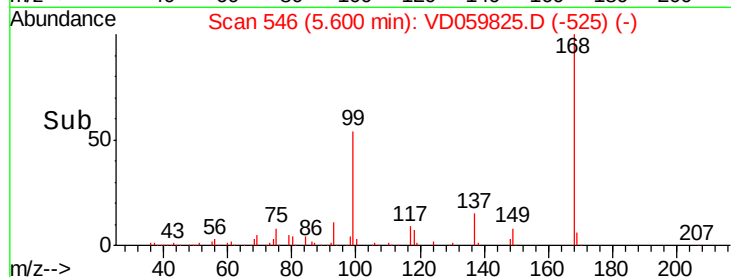
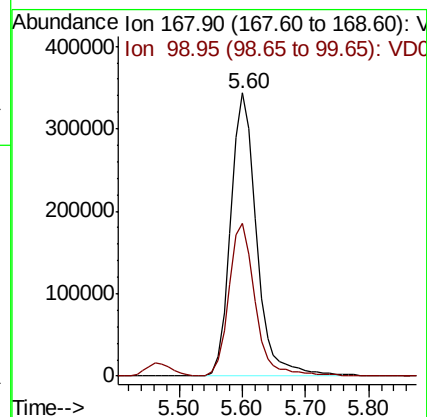
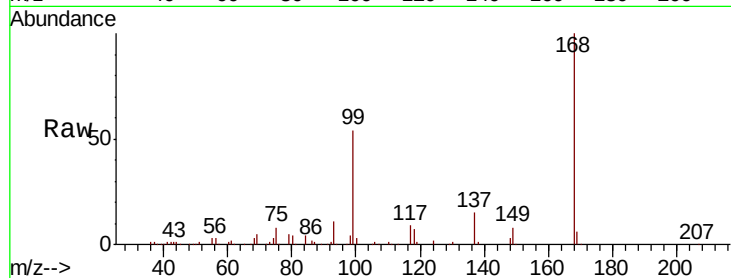
99 54.1 43.6 65.4

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#2

Dichlorodifluoromethane

Concen: 6.17 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059825.D

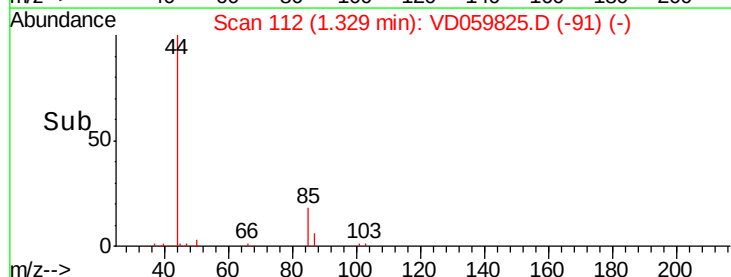
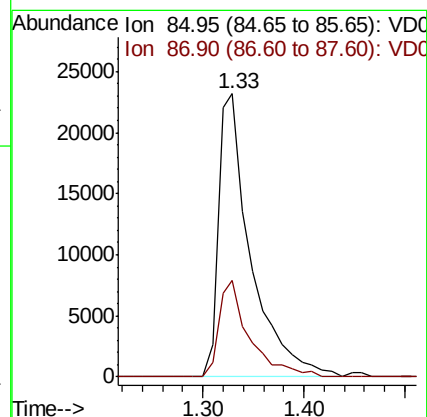
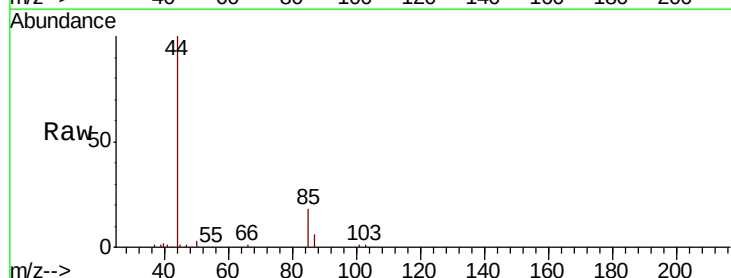
Acq: 20 Aug 2018 12:02

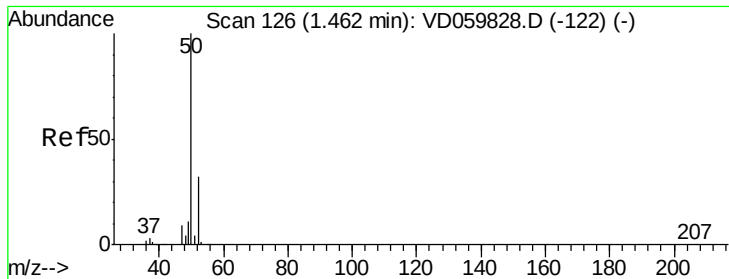
Tgt Ion: 85 Resp: 51652

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.3





#3

Chloromethane

Concen: 6.34 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 44001

Ion Ratio Lower Upper

50 100

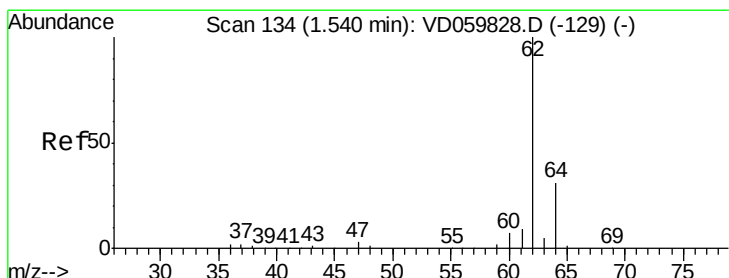
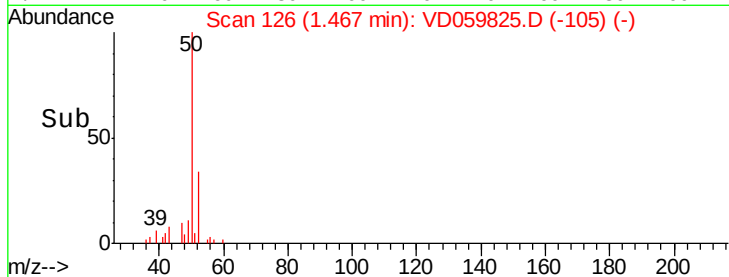
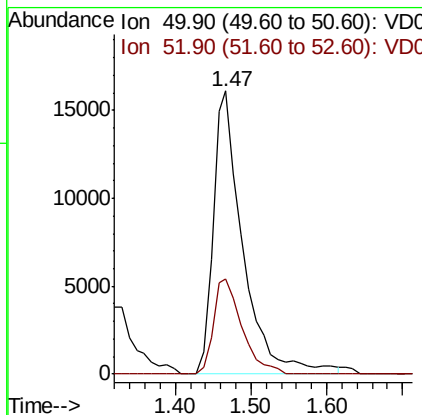
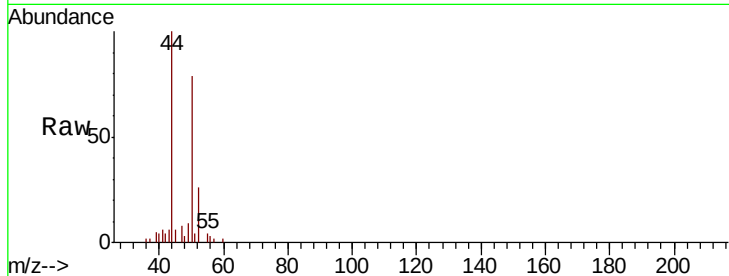
52 33.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.56 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059825.D

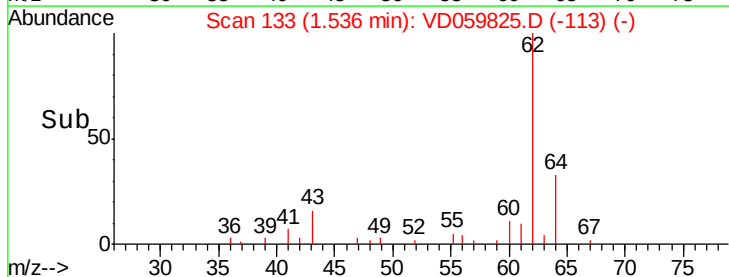
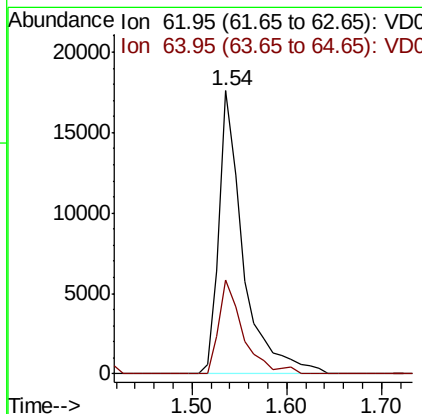
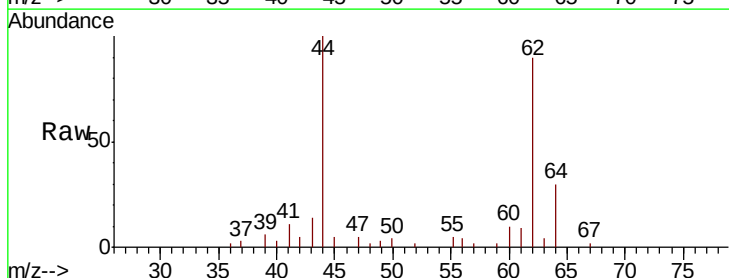
Acq: 20 Aug 2018 12:02

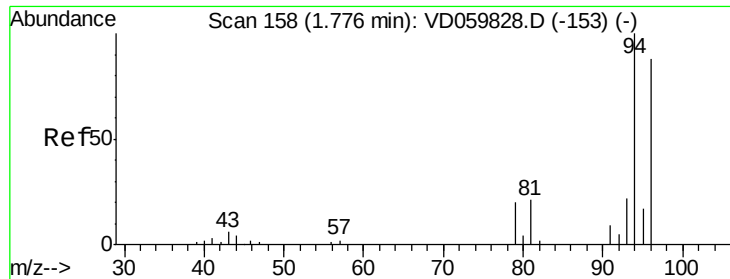
Tgt Ion: 62 Resp: 31265

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.6





#5

Bromomethane

Concen: 7.59 ug/l m

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5756

Ion Ratio Lower Upper

94 100

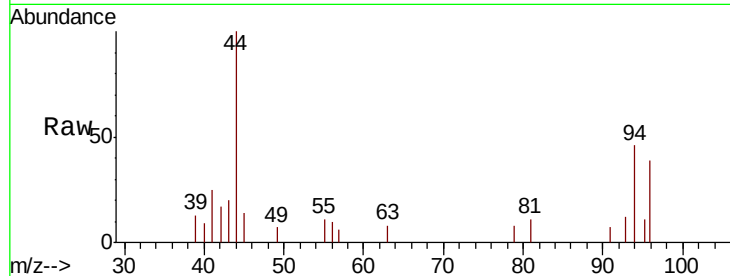
96 85.2 70.8 106.2

Manual Integrations

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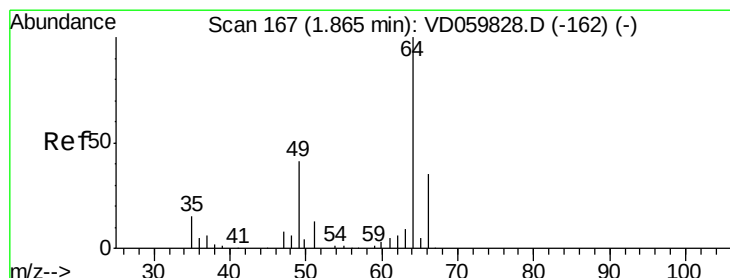
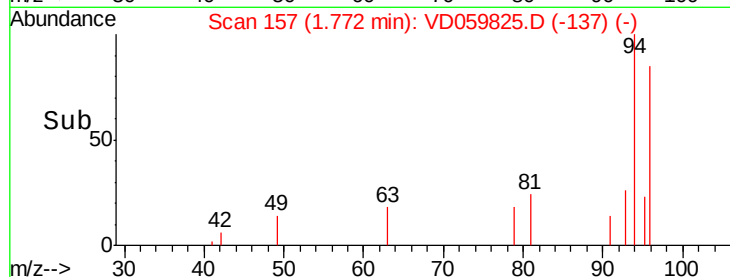
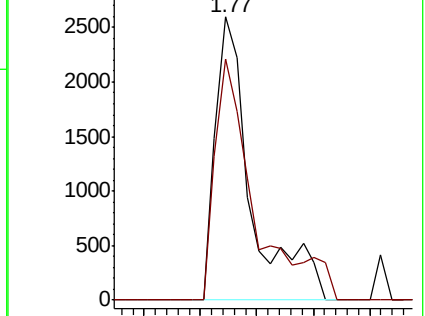
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.95 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059825.D

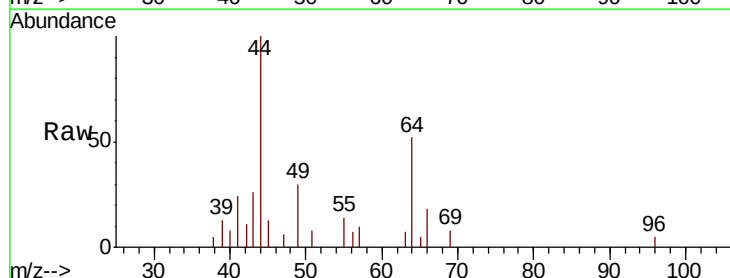
Acq: 20 Aug 2018 12:02

Tgt Ion: 64 Resp: 8383

Ion Ratio Lower Upper

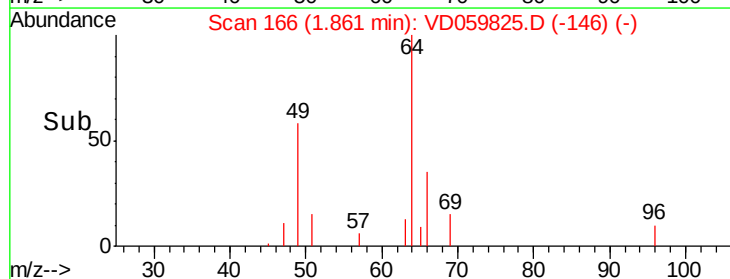
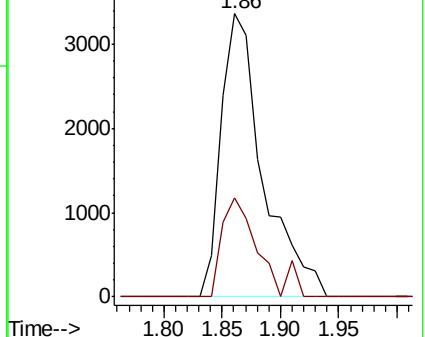
64 100

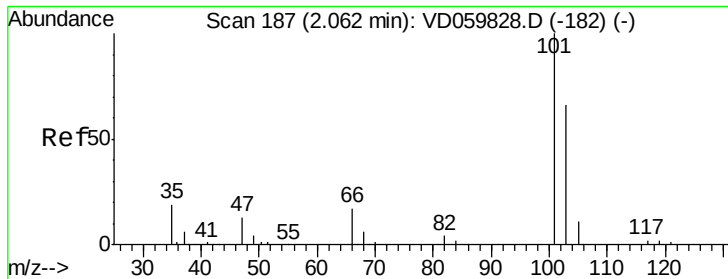
66 34.8 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

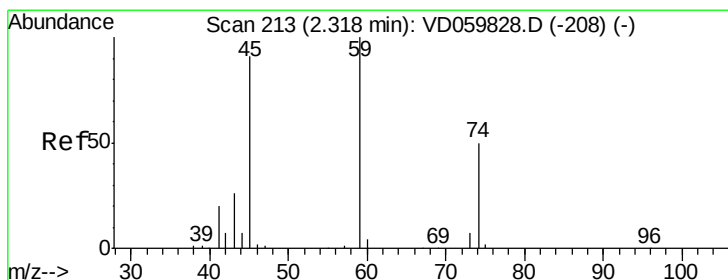
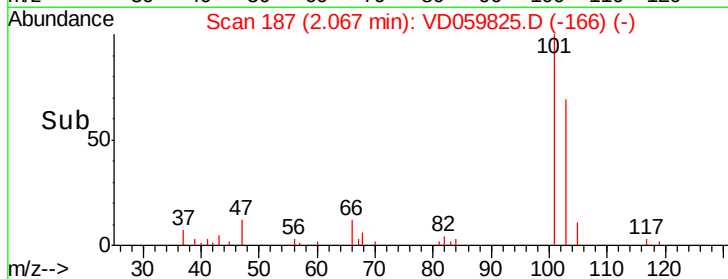
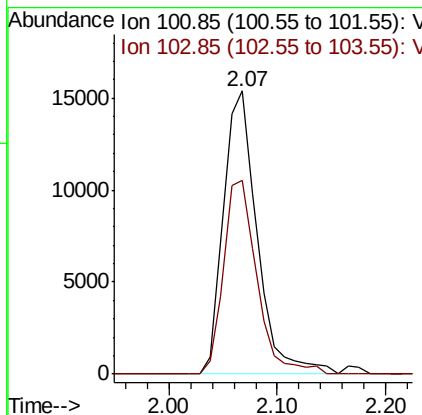
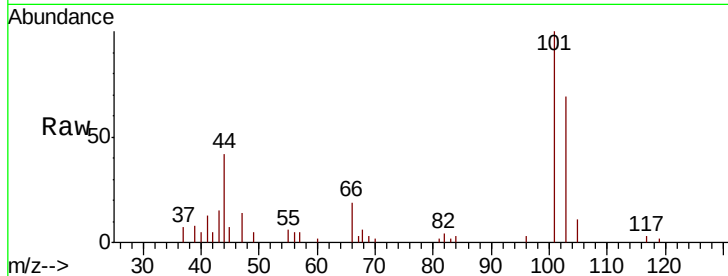
Trichlorofluoromethane
 Concen: 5.68 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	53.0	79.4

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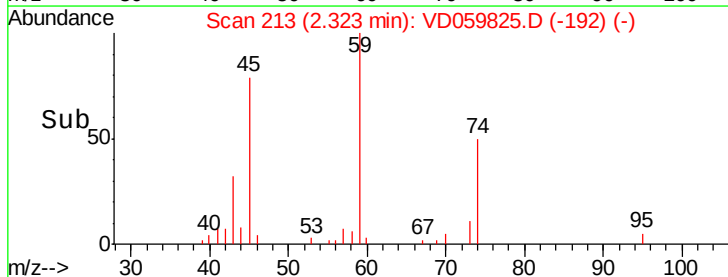
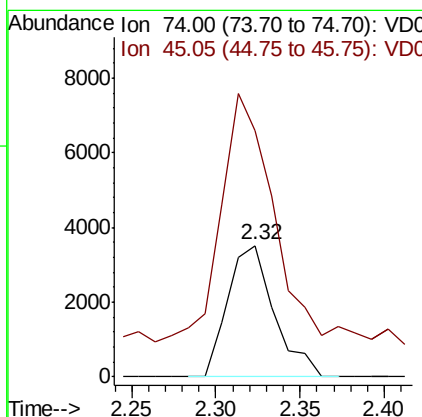
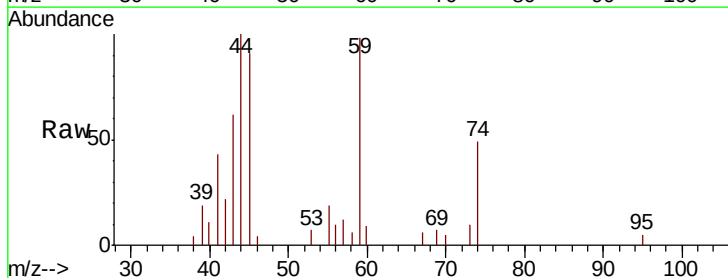
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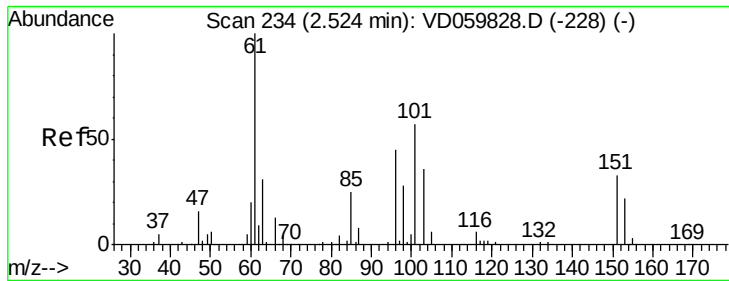


#8

Diethyl Ether
 Concen: 5.17 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	186.9	90.6	271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.73 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

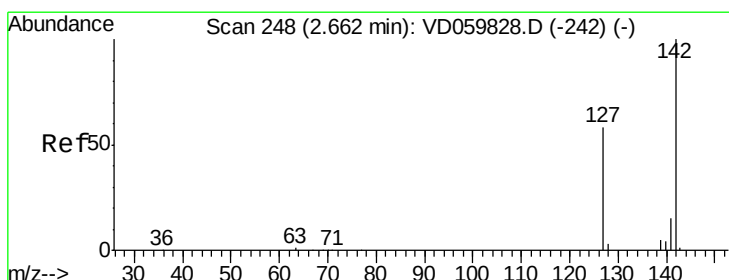
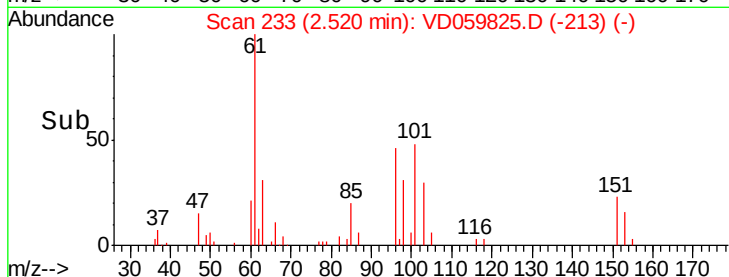
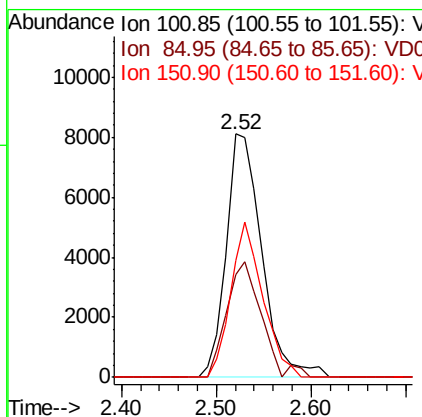
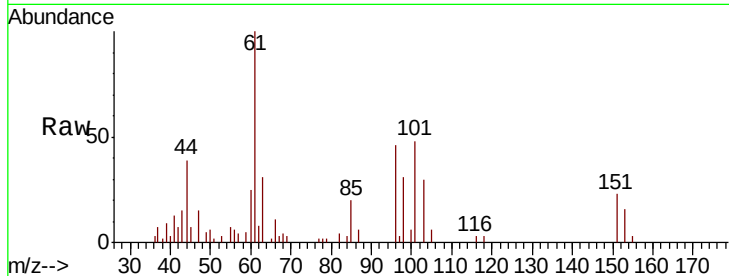
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	21083
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.7	53.5
151	47.9	45.8	68.6

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#10

Methyl Iodide

Concen: 4.22 ug/l

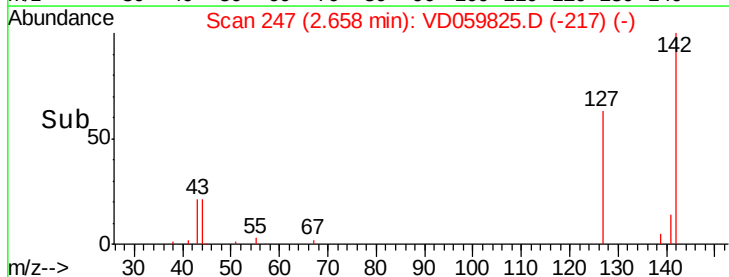
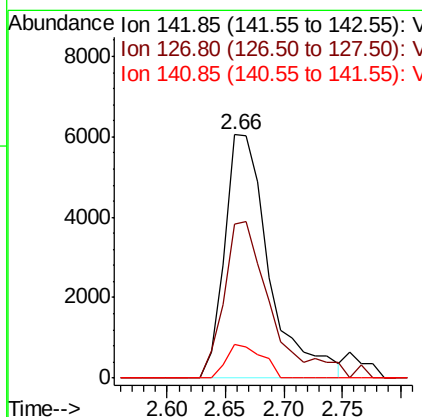
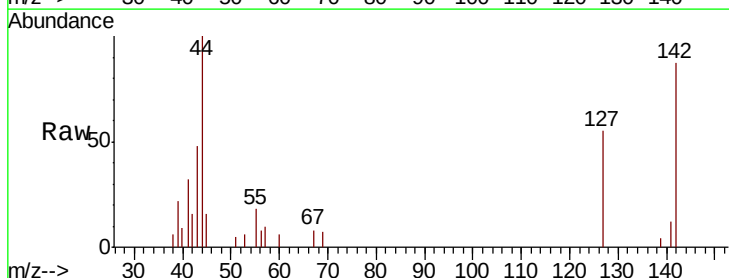
RT: 2.66 min Scan# 247

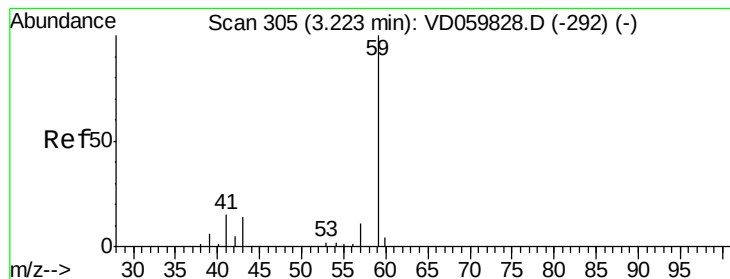
Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	142	Resp:	16062
Ion Ratio	Lower	Upper	
142	100		
127	63.2	46.6	69.8
141	14.0	11.7	17.5





#11

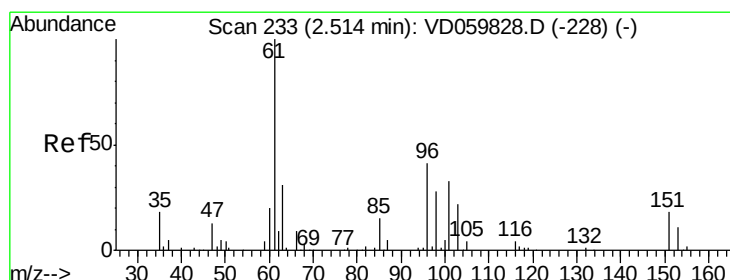
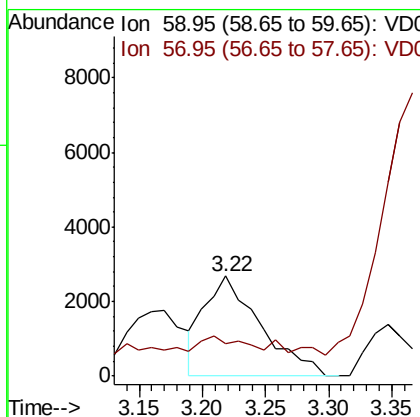
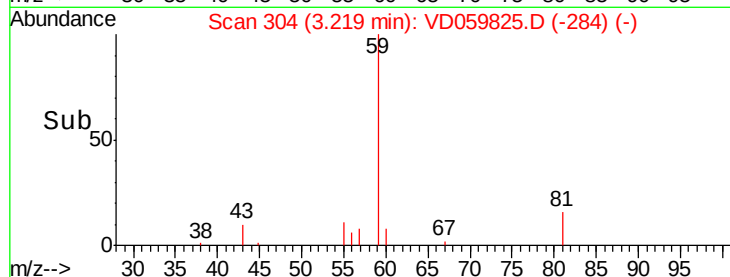
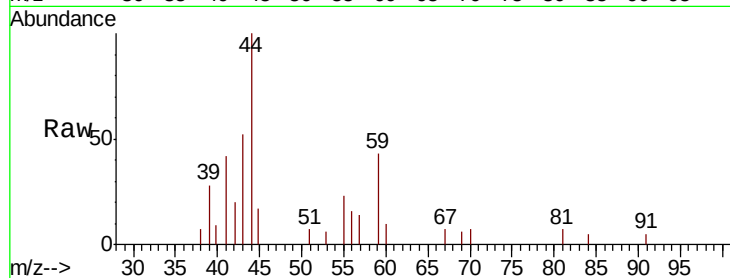
Tert butyl alcohol
Concen: 28.20 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 8275
Ion Ratio Lower Upper
59 100
57 33.0 10.3 15.5#

Manual Integrations
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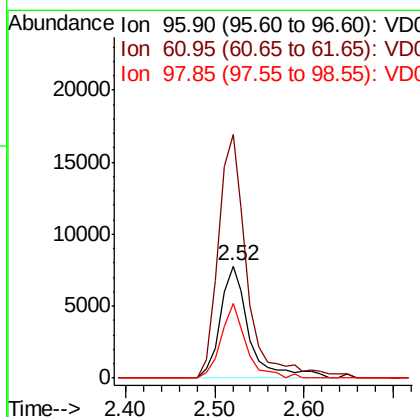
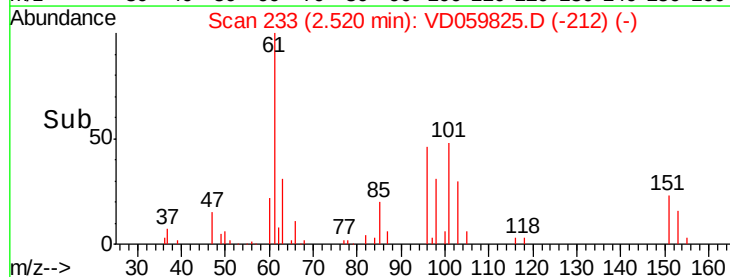
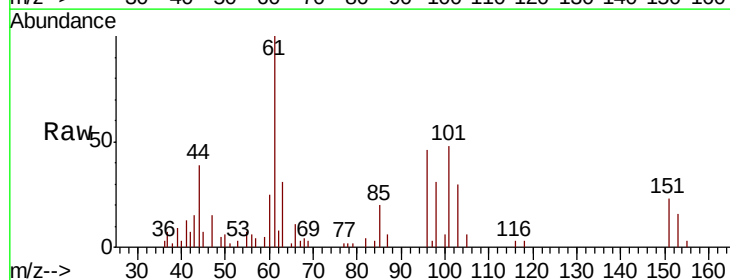
apatel
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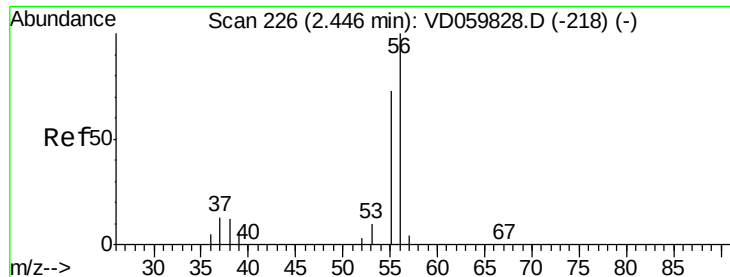


#12

1,1-Dichloroethene
Concen: 6.10 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 96 Resp: 17565
Ion Ratio Lower Upper
96 100
61 216.7 194.0 291.0
98 66.4 53.4 80.0





#13

Acrolein

Concen: 21.85 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6041

Ion Ratio Lower Upper

56 100

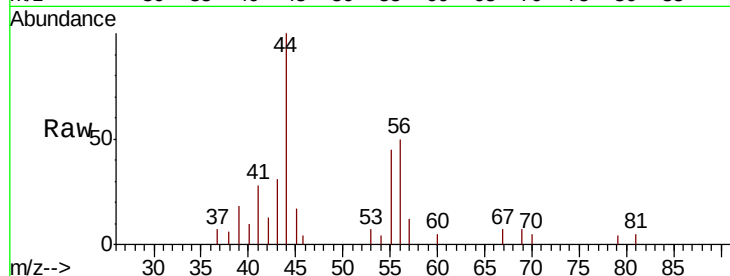
55 89.3 60.4 90.6

Manual Integrations

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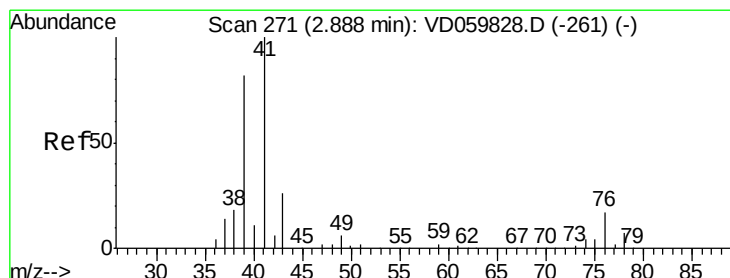
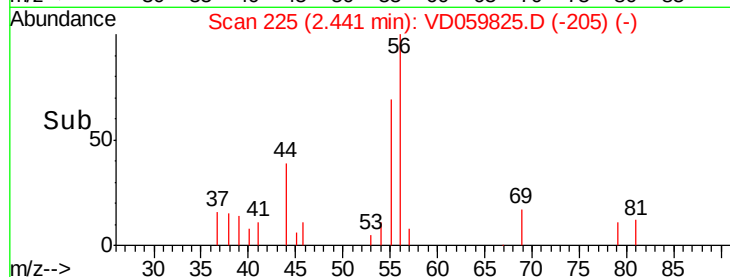
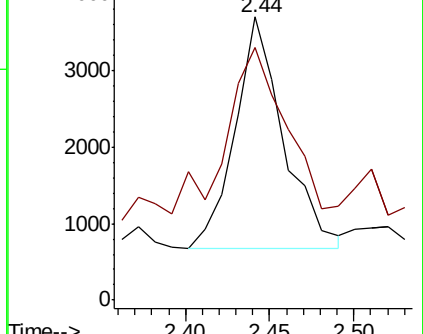
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.84 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

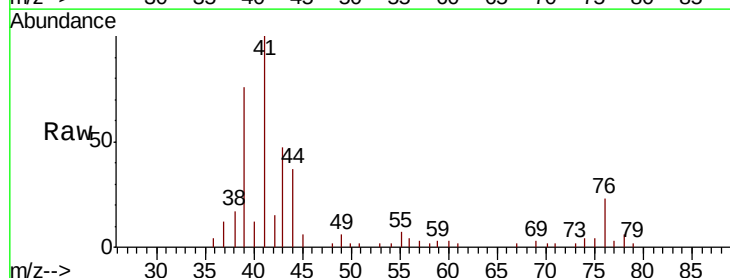
Tgt Ion: 41 Resp: 44560

Ion Ratio Lower Upper

41 100

39 76.4 65.9 98.9

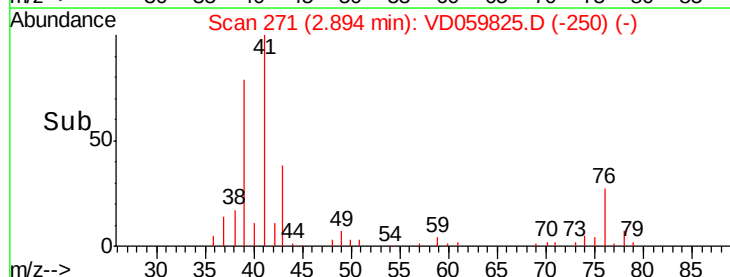
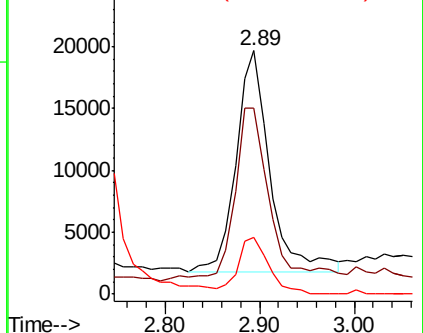
76 23.1 19.9 29.9

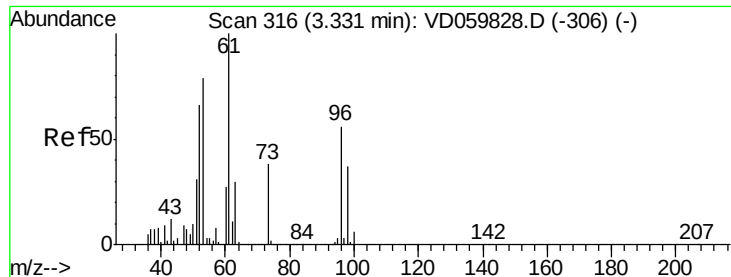


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 28.30 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

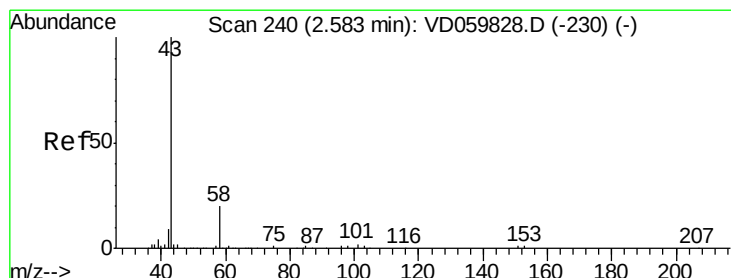
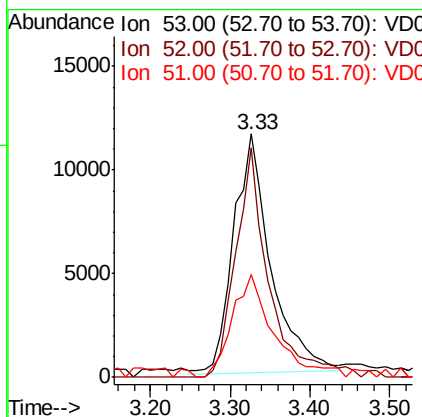
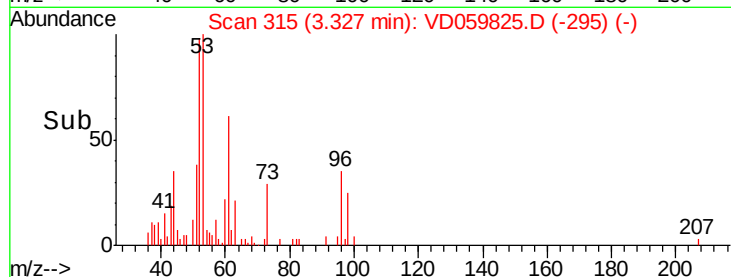
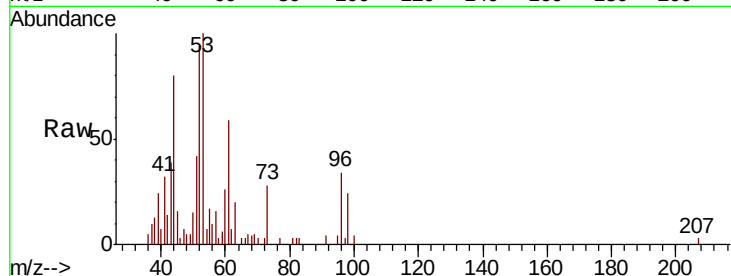
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	37500
Ion	Ratio	Lower	Upper
53	100		
52	94.2	66.8	100.2
51	42.3	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 23.60 ug/l

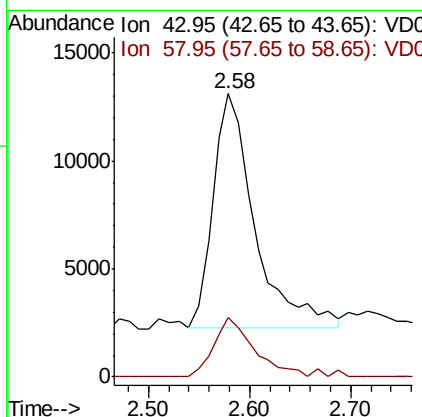
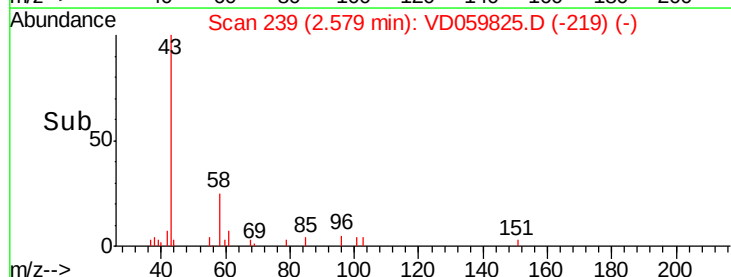
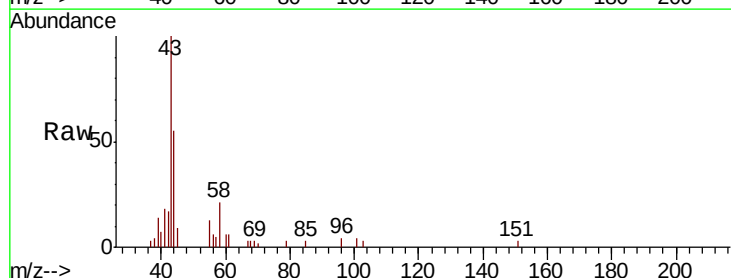
RT: 2.58 min Scan# 239

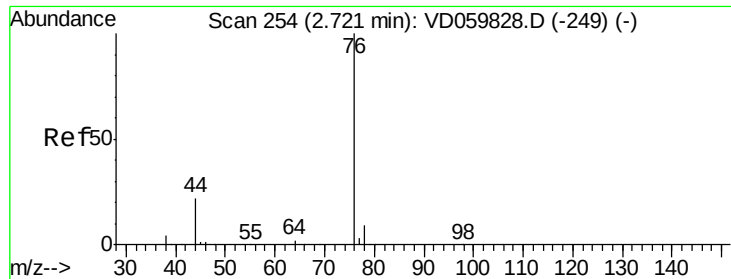
Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	43	Resp:	31245
Ion	Ratio	Lower	Upper
43	100		
58	20.9	16.2	24.2





#17

Carbon Disulfide

Concen: 6.26 ug/l

RT: 2.73 min Scan# 254

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 60294

Ion Ratio Lower Upper

76 100

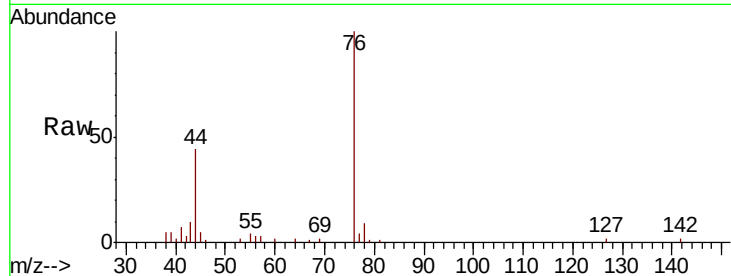
78 9.1 7.0 10.6

Manual Integrations

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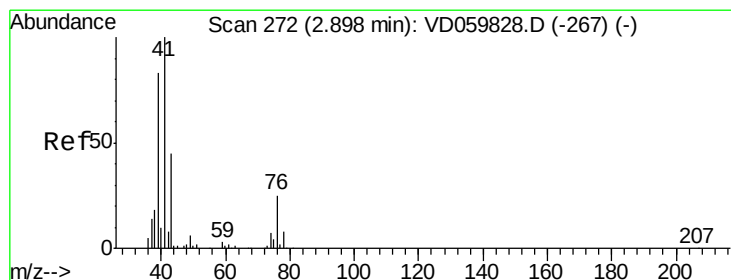
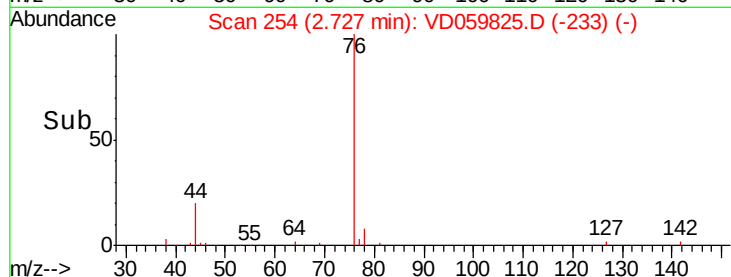
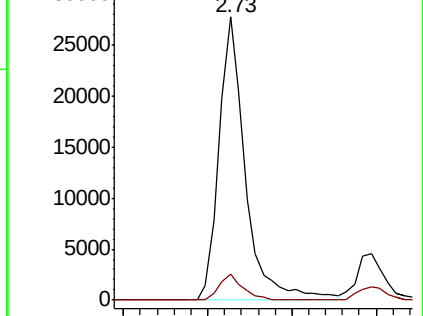
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 7.11 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.01 min

Lab File: VD059825.D

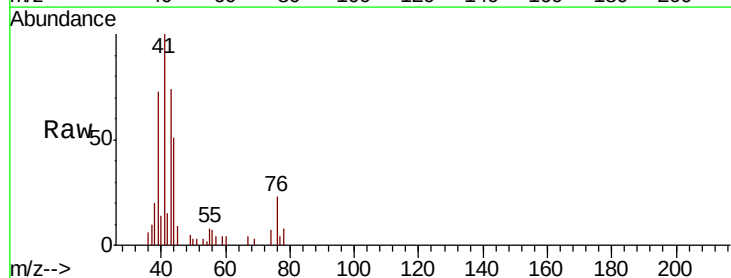
Acq: 20 Aug 2018 12:02

Tgt Ion: 43 Resp: 20553

Ion Ratio Lower Upper

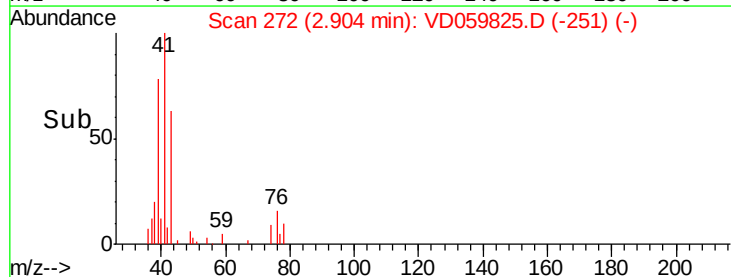
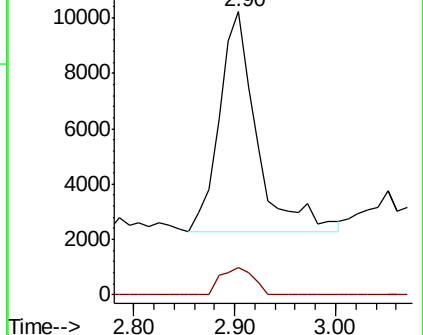
43 100

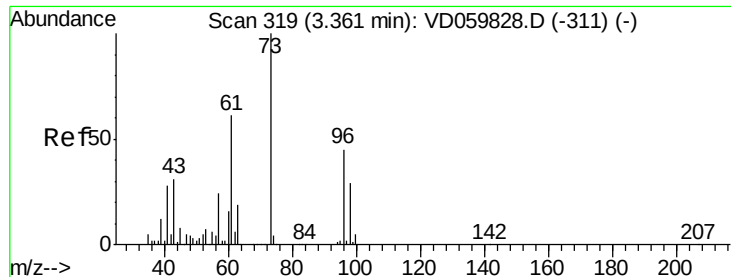
74 9.7 11.4 17.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





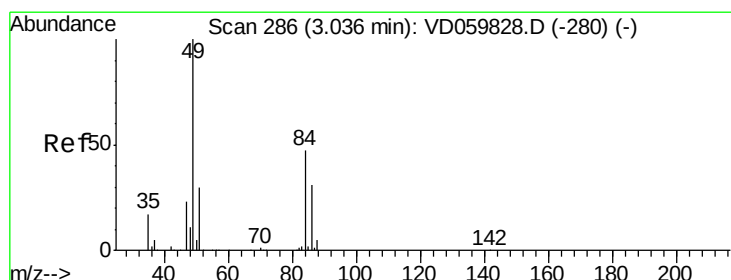
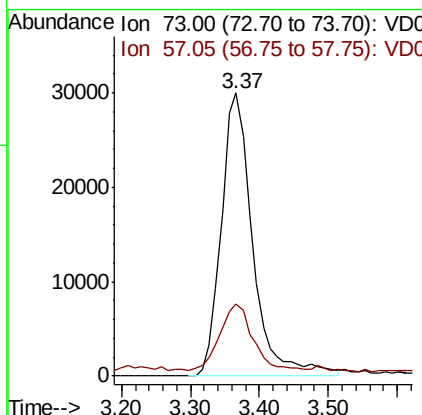
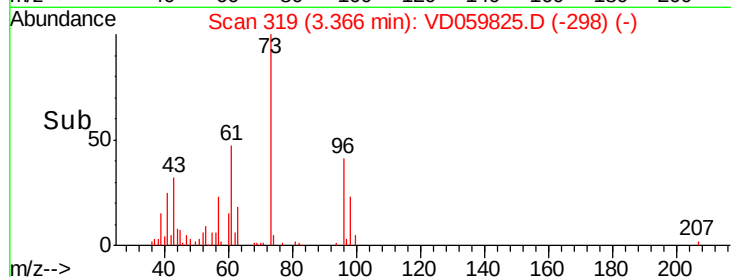
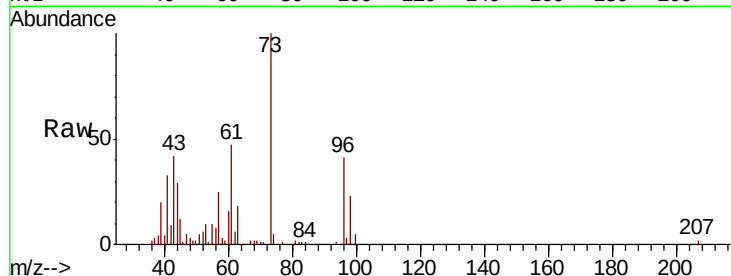
#19
Methyl tert-butyl Ether
Concen: 5.64 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 95248
Ion Ratio Lower Upper
73 100
57 25.3 19.4 29.0

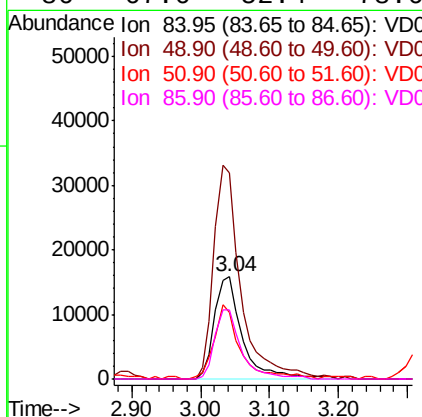
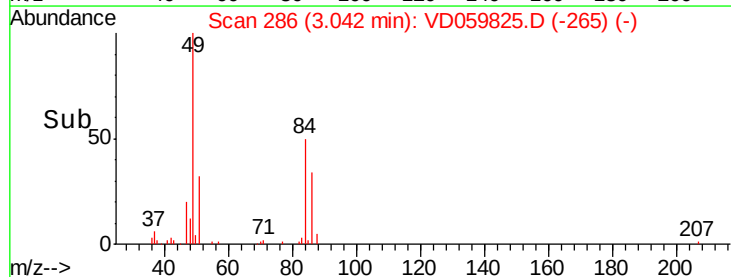
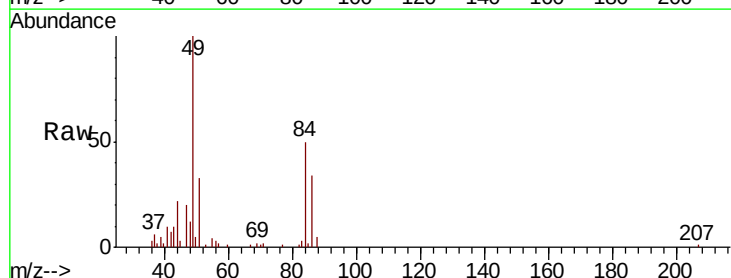
Manual Integrations
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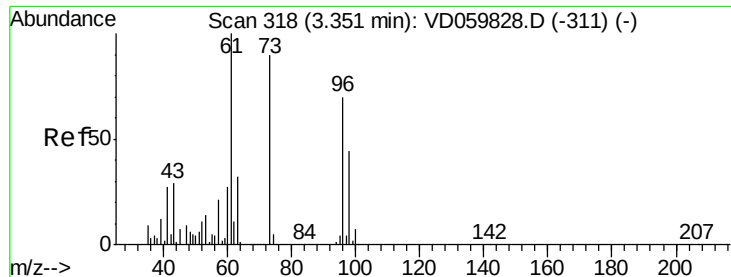
apatel
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#20
Methylene Chloride
Concen: 10.01 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion: 84 Resp: 44926
Ion Ratio Lower Upper
84 100
49 201.0 170.4 255.6
51 65.7 51.4 77.0
86 67.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 6.22 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

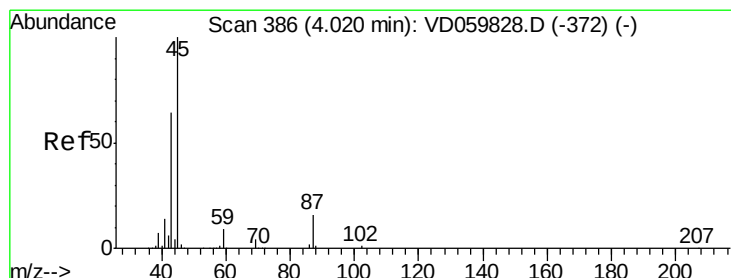
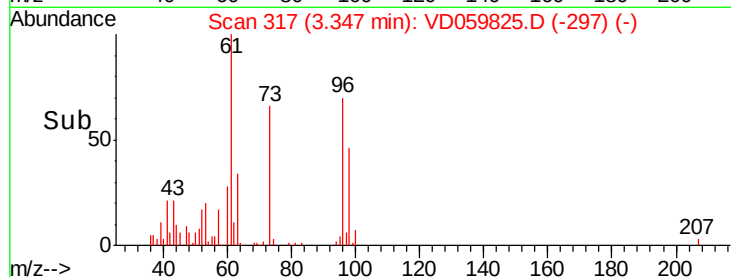
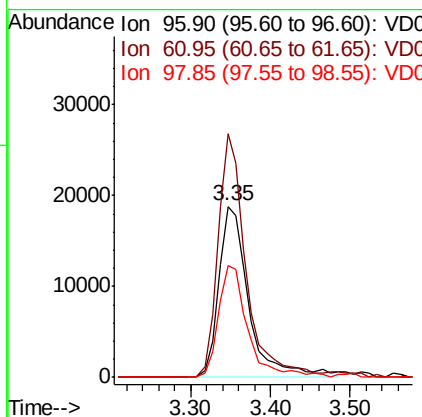
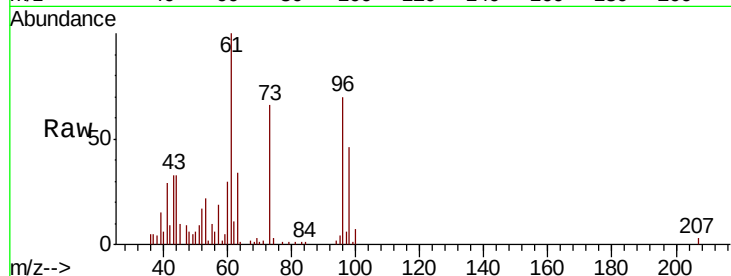
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	50053
Ion	Ratio	Lower	Upper
96	100		
61	142.5	114.1	171.1
98	65.4	50.1	75.1

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#22

Diisopropyl ether

Concen: 5.52 ug/l

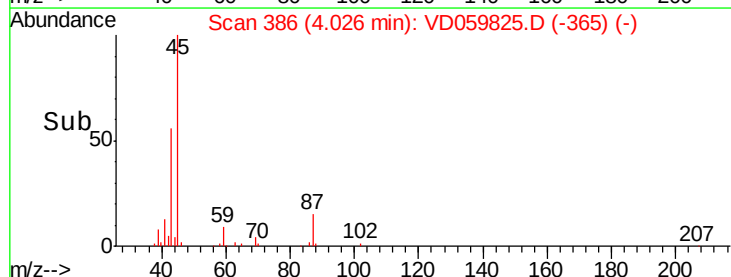
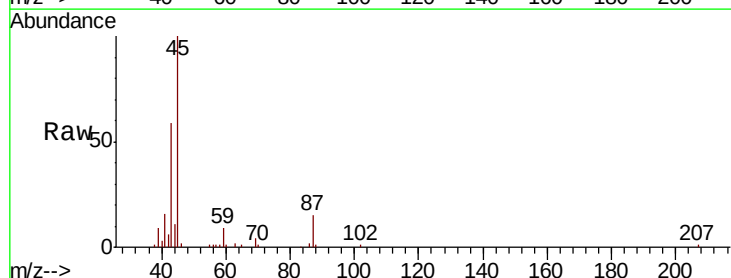
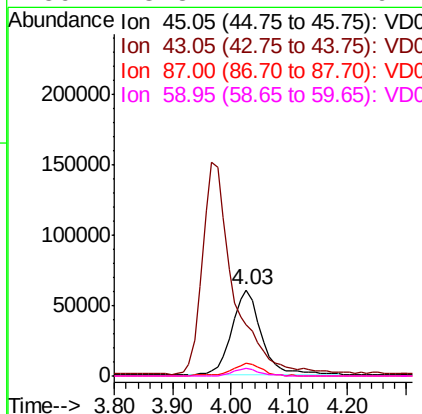
RT: 4.03 min Scan# 386

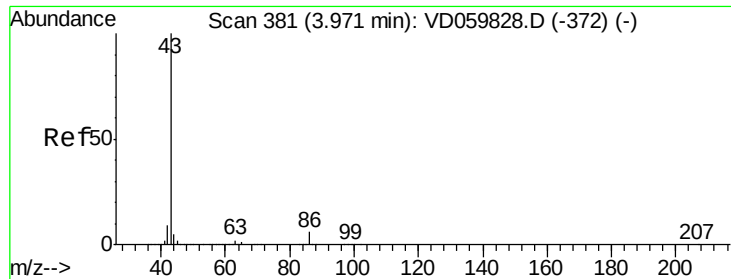
Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	45	Resp:	216653
Ion	Ratio	Lower	Upper
45	100		
43	58.8	51.1	76.7
87	14.6	12.5	18.7
59	8.8	7.1	10.7





#23

Vinyl Acetate

Concen: 25.89 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 549226

Ion Ratio Lower Upper

43 100

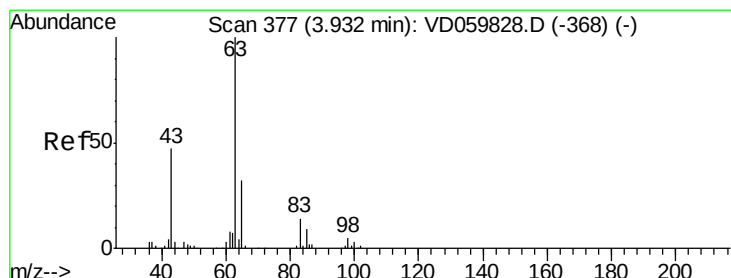
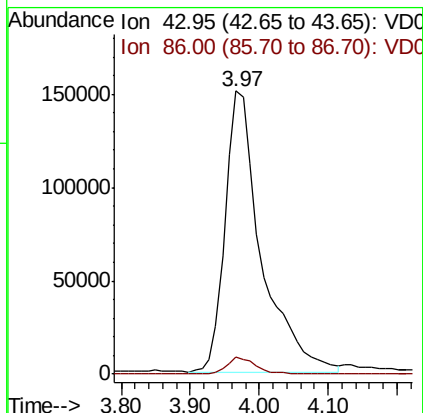
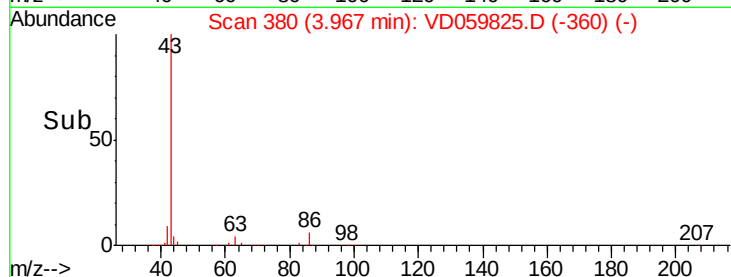
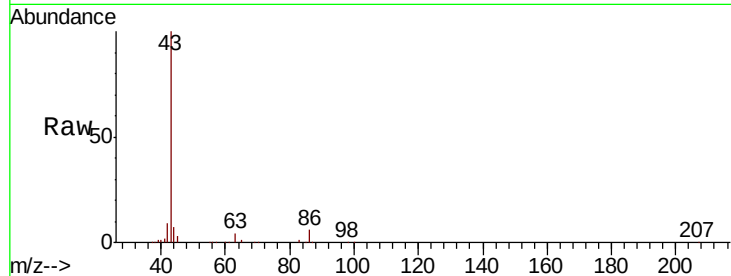
86 6.3 4.6 7.0

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#24

1,1-Dichloroethane

Concen: 5.53 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

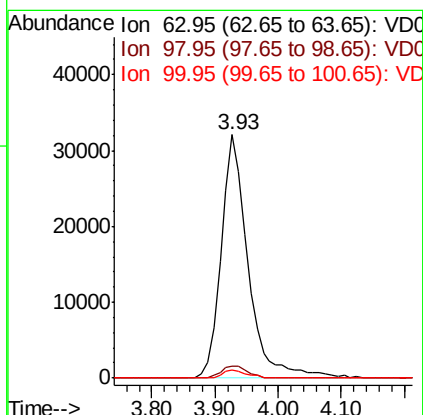
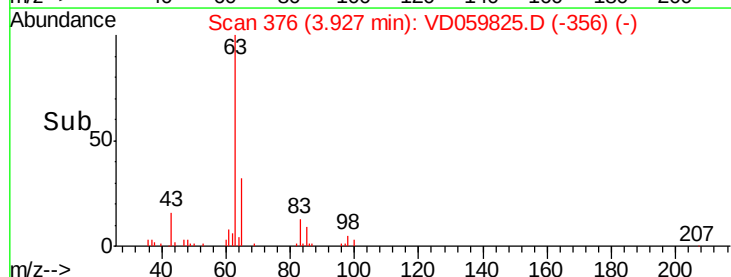
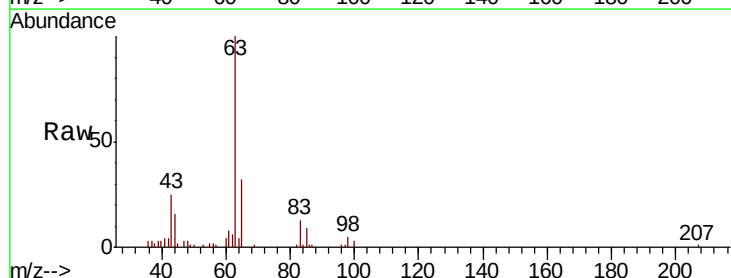
Tgt Ion: 63 Resp: 95031

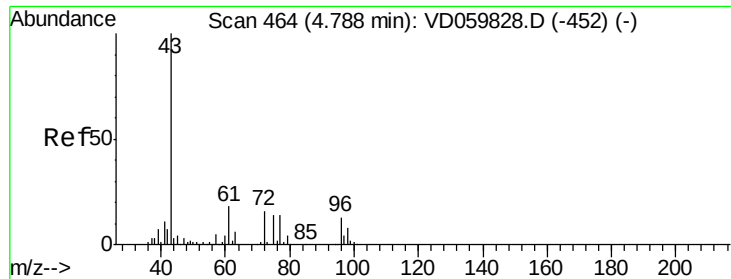
Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

100 3.2 1.7 5.0





#25

2-Butanone

Concen: 24.64 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 97975

Ion Ratio Lower Upper

43 100

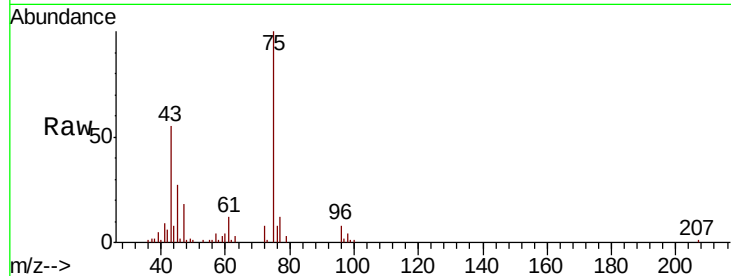
72 15.1 12.4 18.6

Manual Integrations

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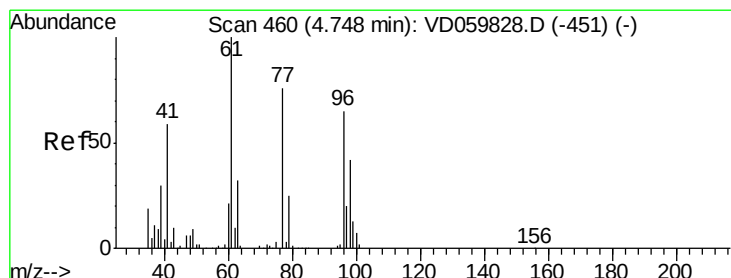
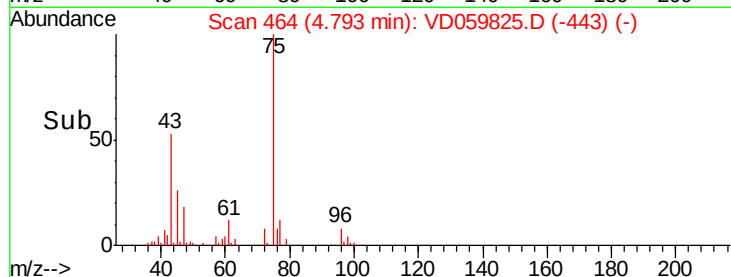
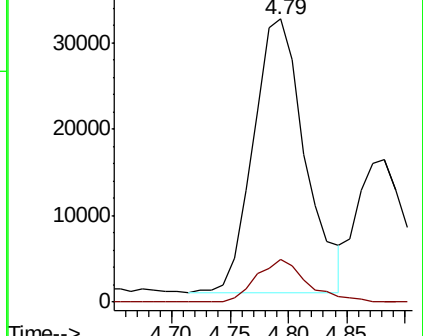
apatel

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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: 6.01 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059825.D

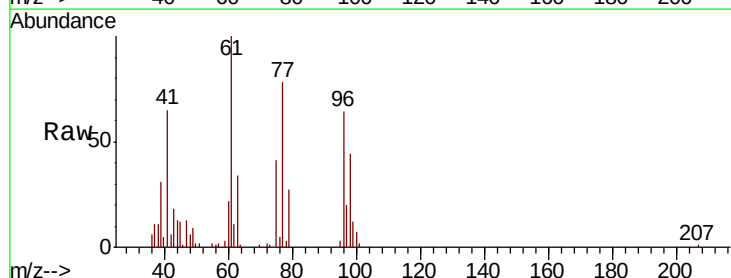
Acq: 20 Aug 2018 12:02

Tgt Ion: 77 Resp: 81884

Ion Ratio Lower Upper

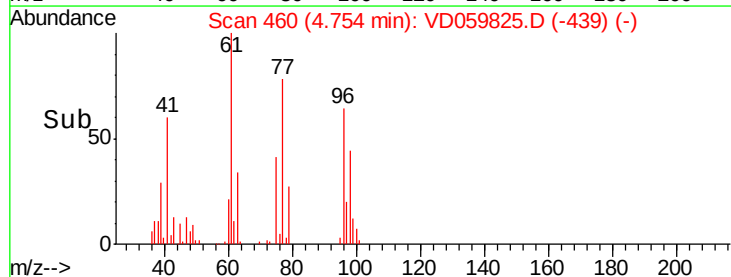
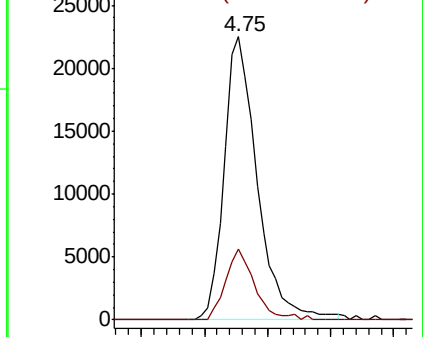
77 100

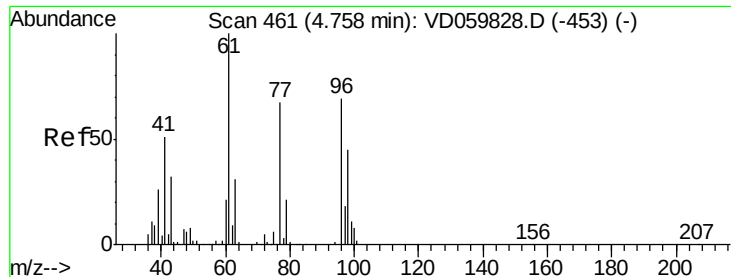
97 25.1 13.0 38.9



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: 5.42 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059825.D

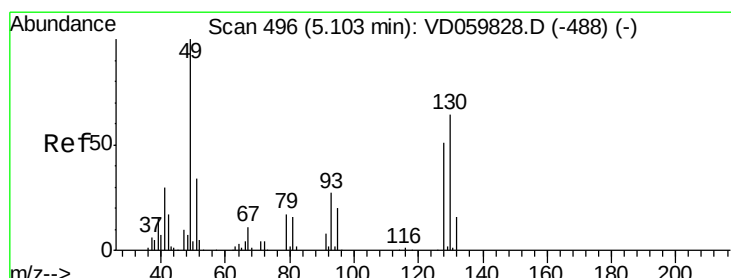
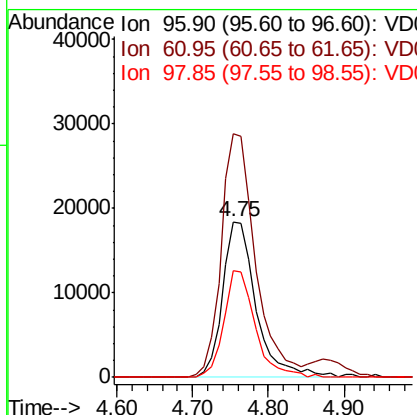
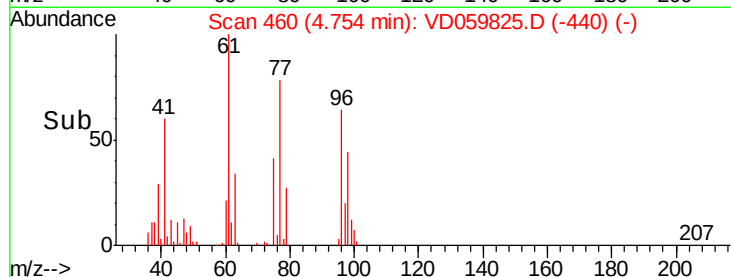
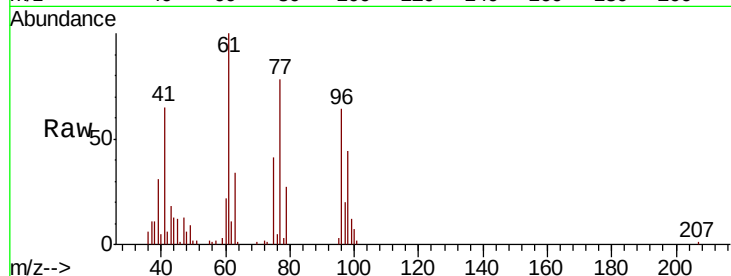
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56103		
61	156.6	0.0	291.8	
98	68.8	0.0	131.6	

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#28

Bromochloromethane

Concen: 5.46 ug/l

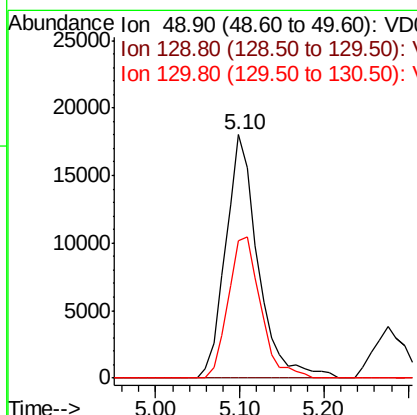
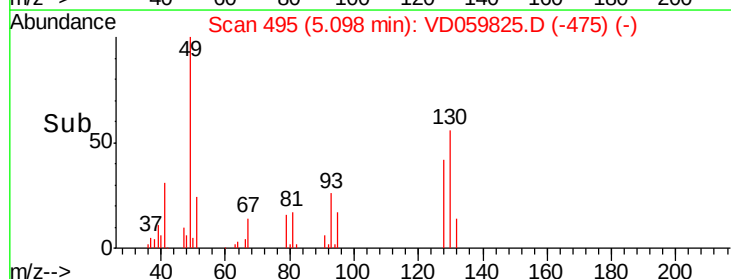
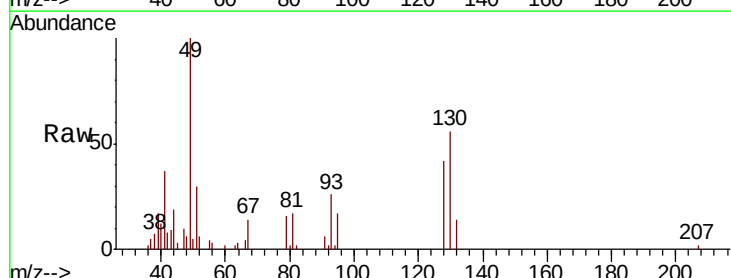
RT: 5.10 min Scan# 495

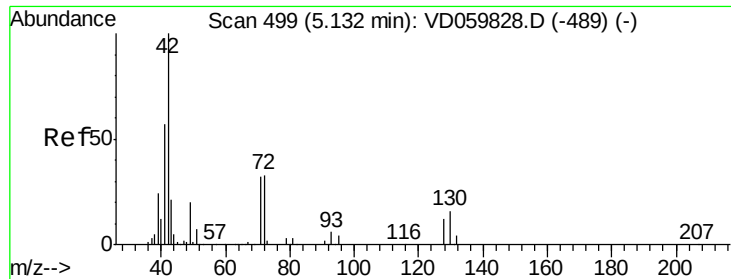
Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48080		
129	0.0	0.0	3.8	
130	56.2	51.0	76.6	





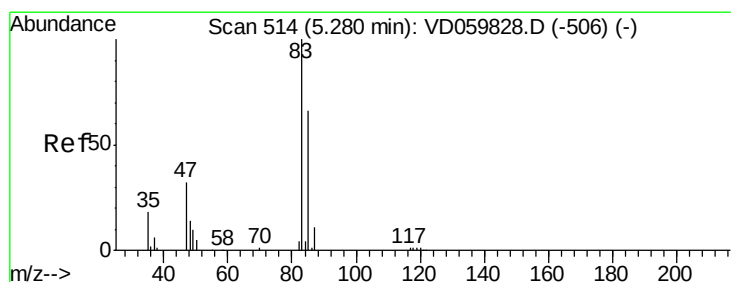
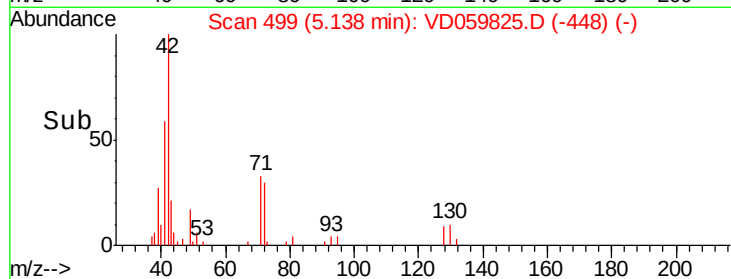
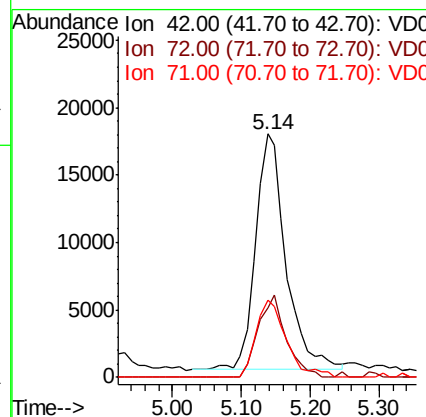
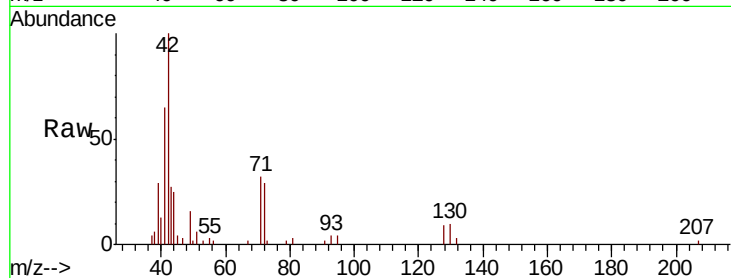
#29
Tetrahydrofuran
Concen: 26.62 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.6	25.8	38.6
71	32.9	25.7	38.5

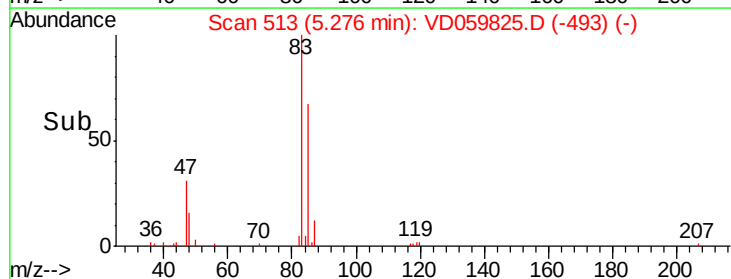
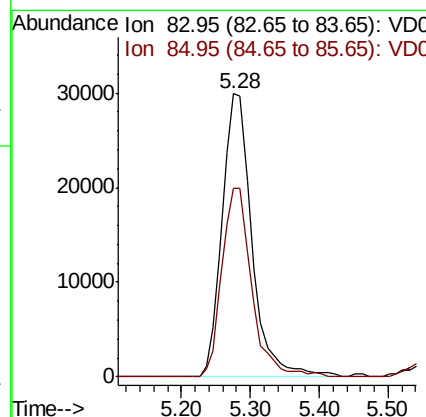
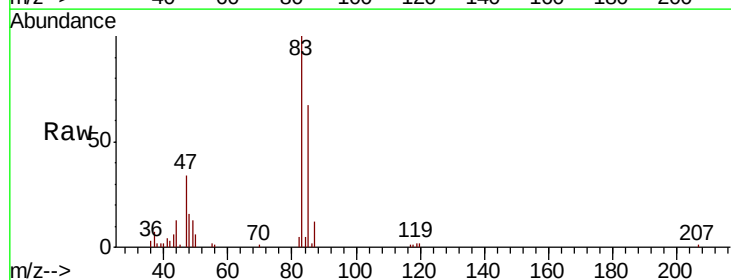
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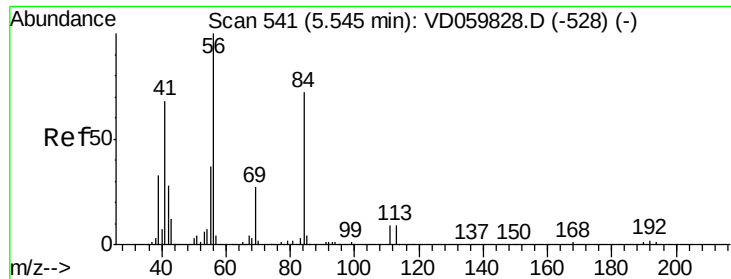
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#30
Chloroform
Concen: 5.31 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.9	79.3





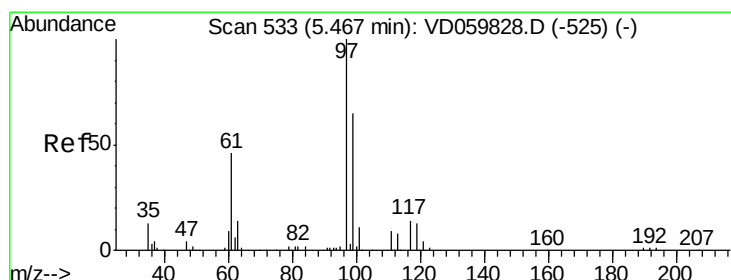
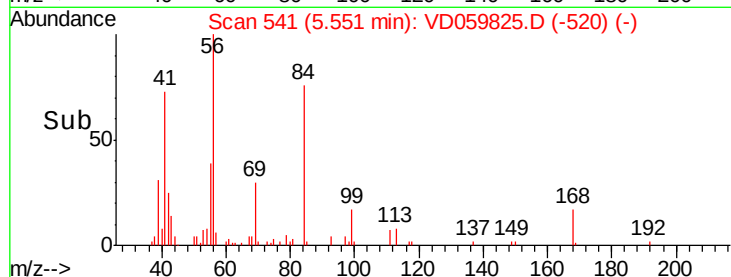
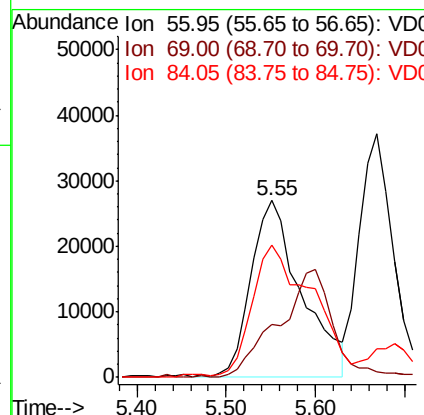
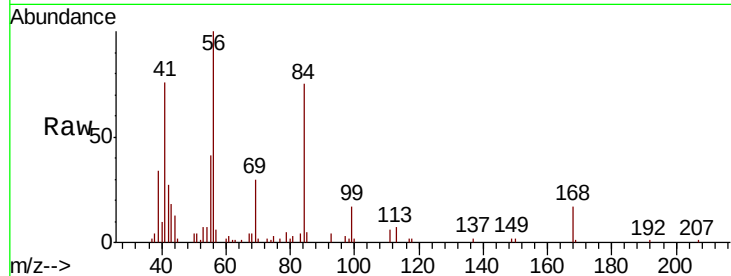
#31
Cyclohexane
Concen: 6.75 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	21.7	32.5
84	74.5	57.8	86.6

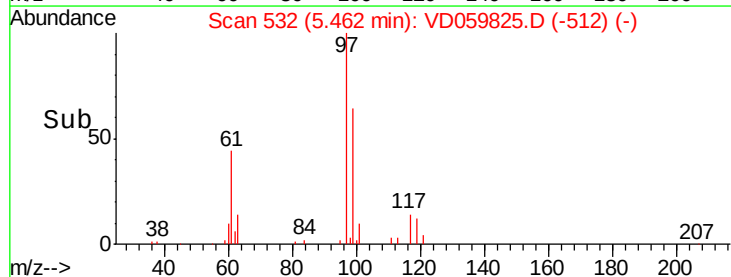
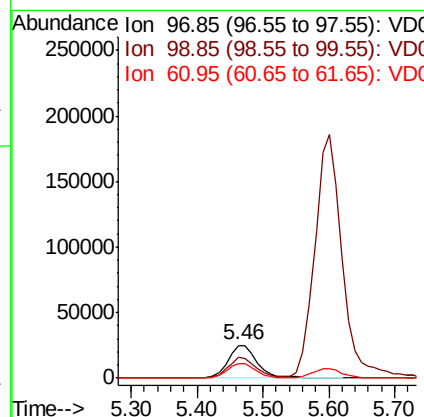
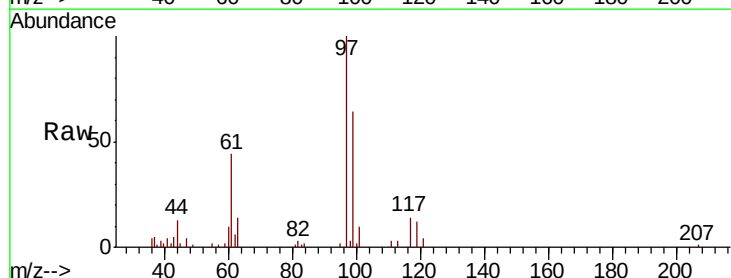
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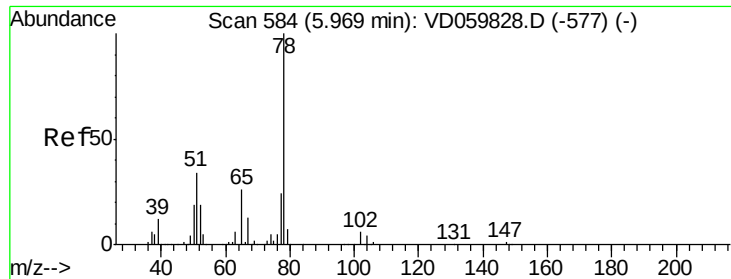
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#32
1,1,1-Trichloroethane
Concen: 5.45 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.9	77.9
61	44.2	37.0	55.6





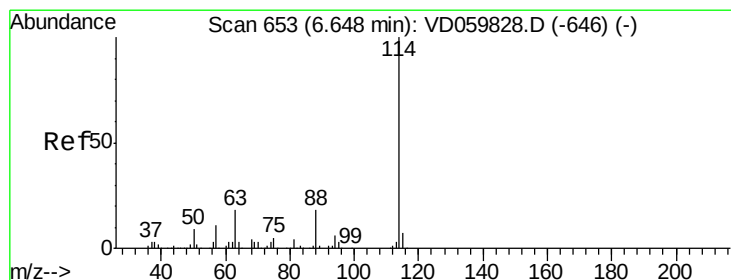
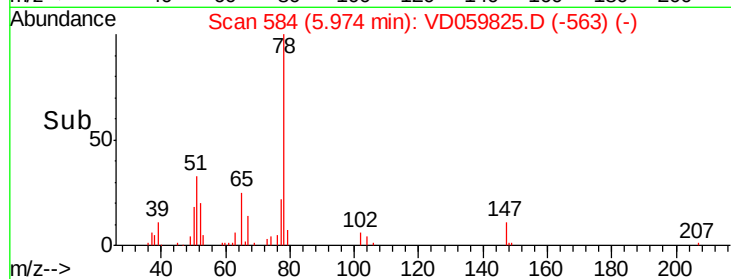
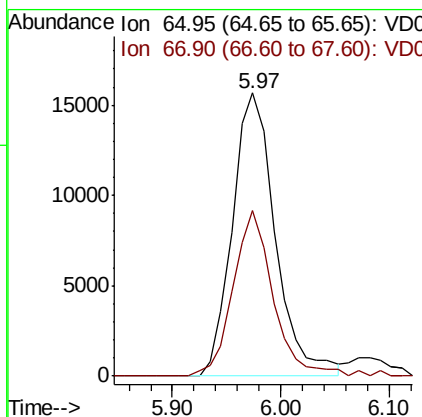
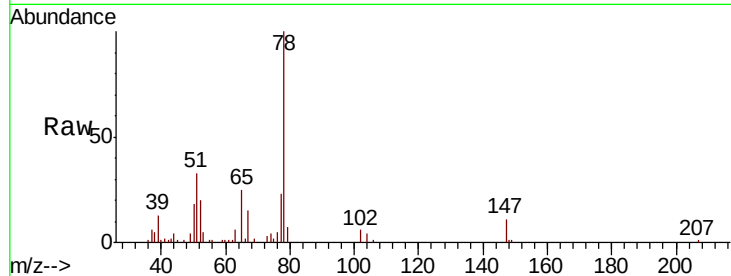
#33
 1,2-Dichloroethane-d4
 Concen: 5.45 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	43245		
67	58.5	0.0	102.4	

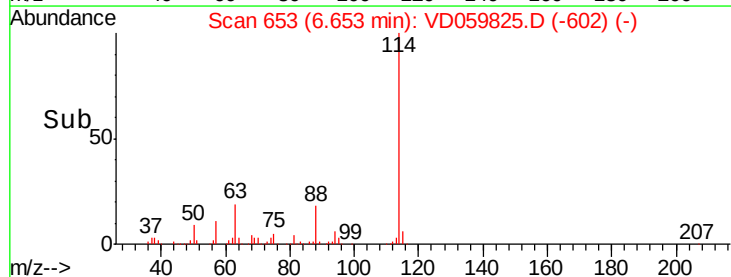
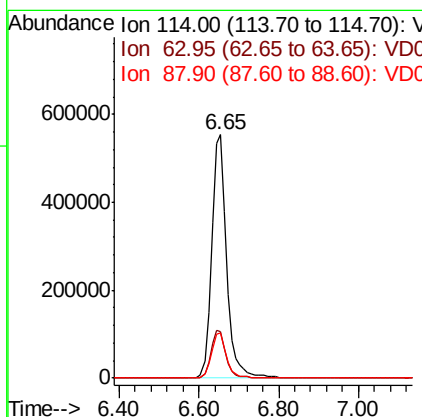
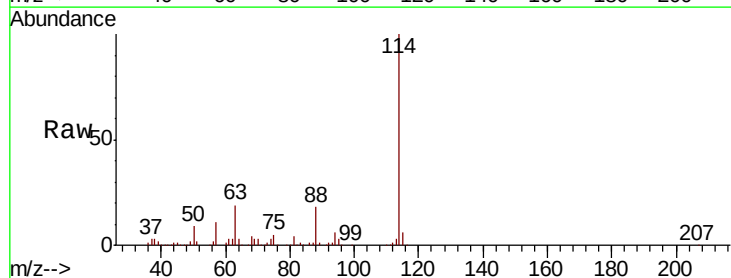
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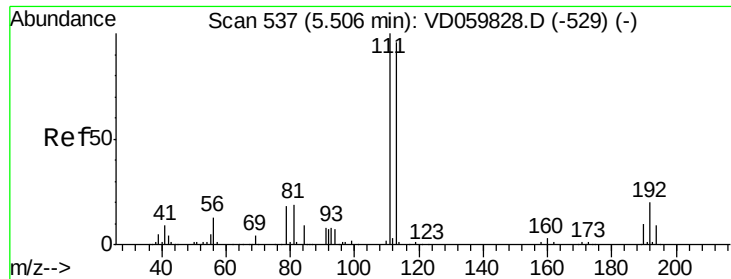
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1451292		
63	19.0	0.0	37.0	
88	18.4	0.0	37.0	





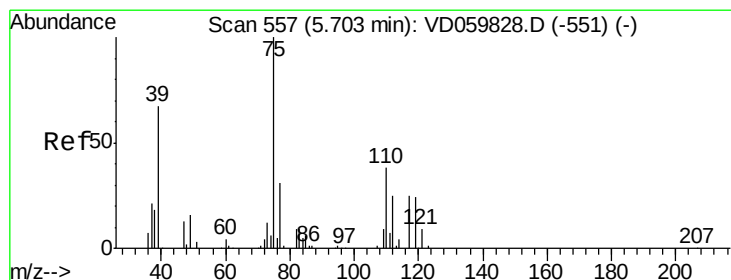
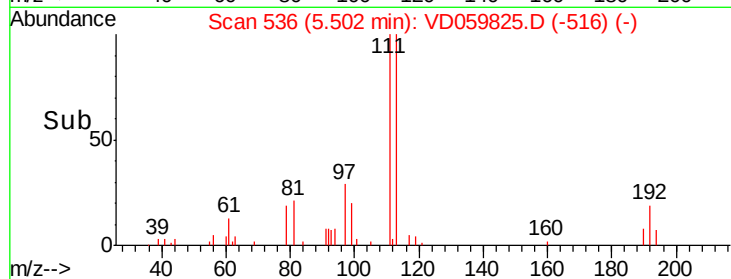
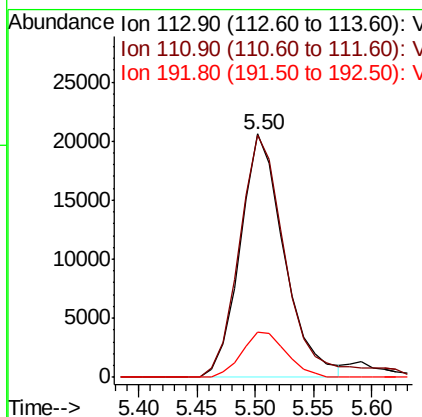
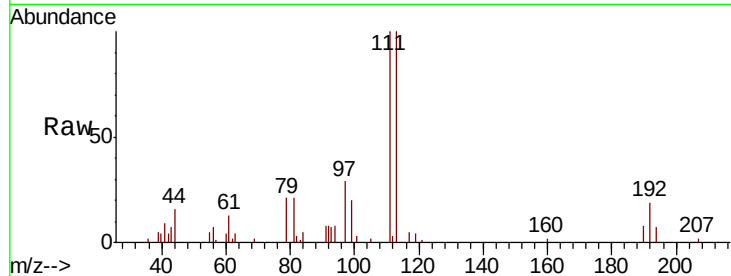
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	53811		
111	99.7	83.3	124.9	
192	18.6	16.8	25.2	

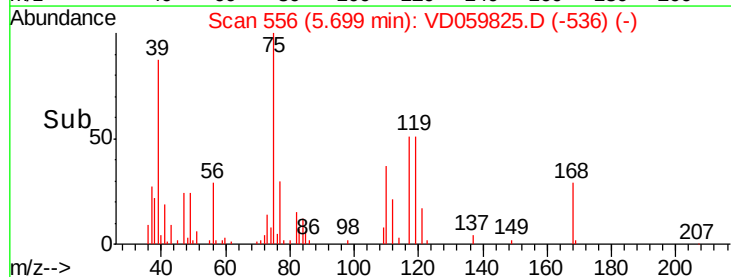
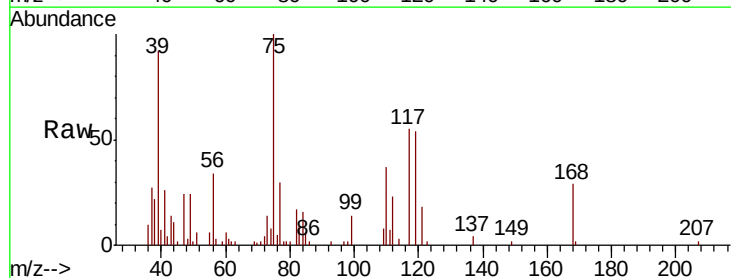
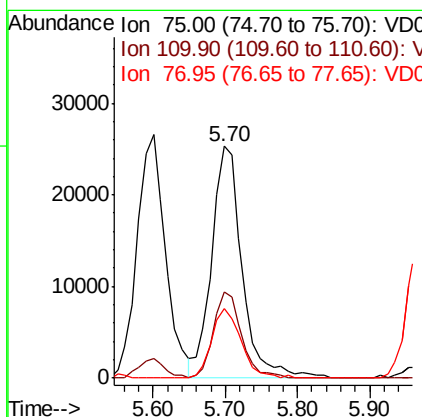
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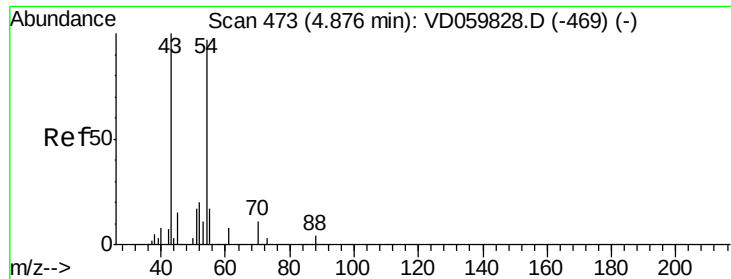
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#36
1,1-Dichloropropene
Concen: 5.89 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73526		
110	37.1	18.8	56.4	
77	29.9	24.9	37.3	





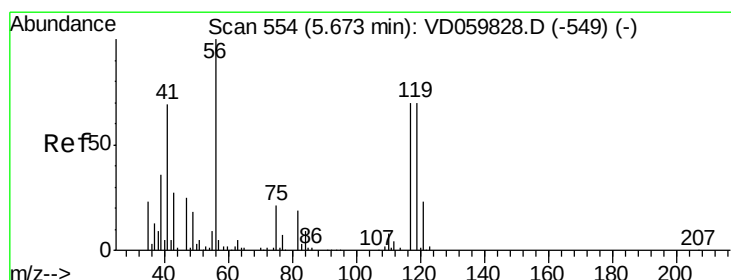
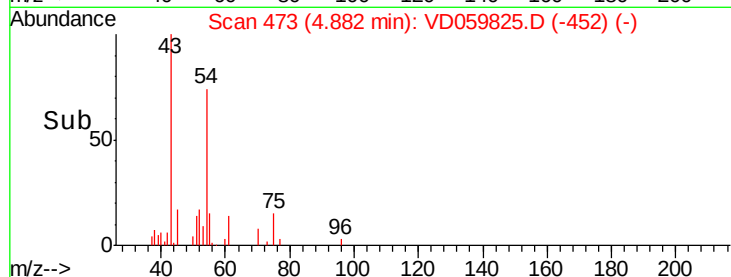
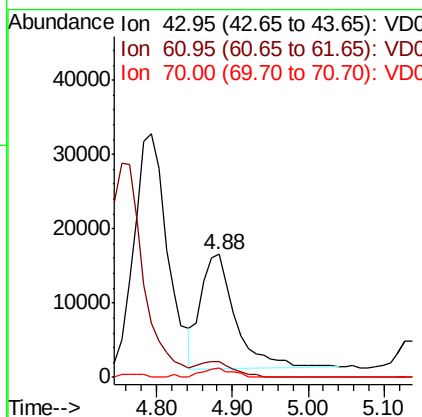
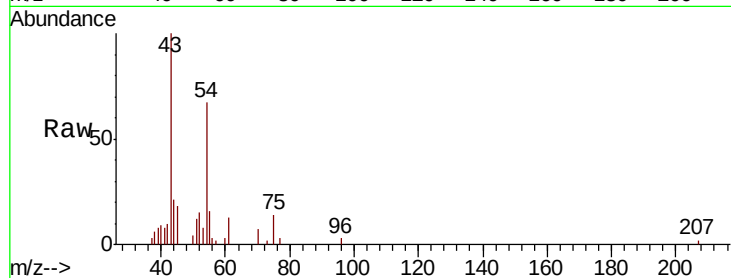
#37
Ethyl Acetate
Concen: 5.39 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	48922
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.4	15.6
70	7.4	6.2	9.2

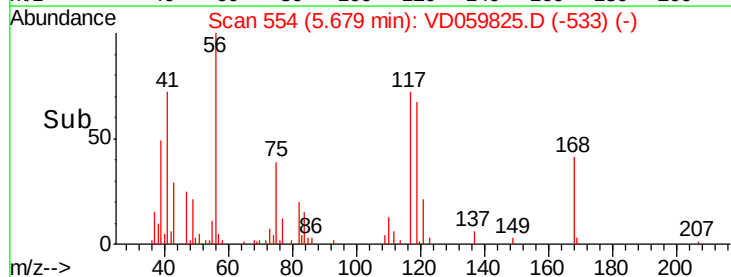
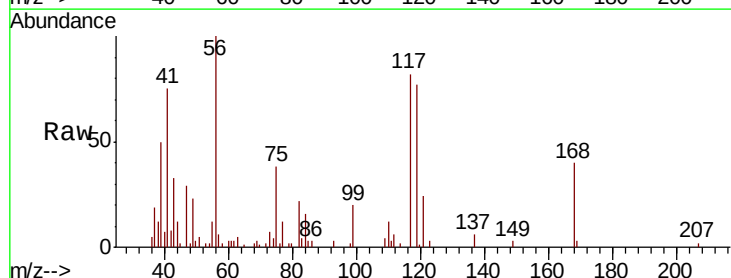
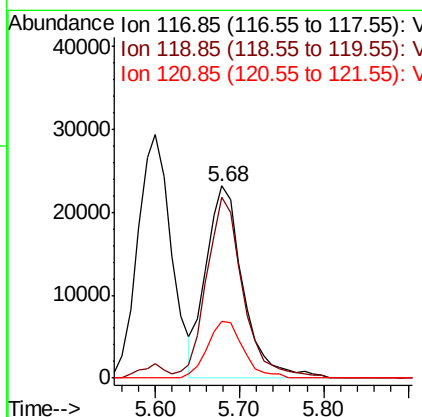
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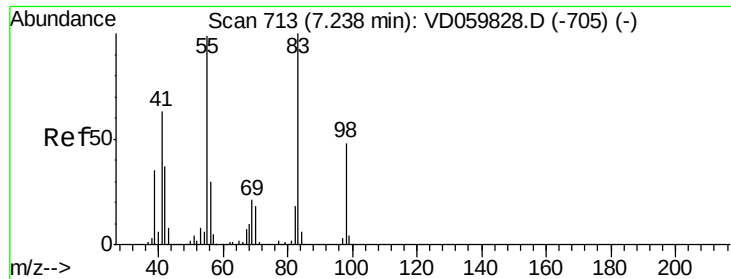
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#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:	117	Resp:	70617
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.4
121	29.4	24.7	37.1





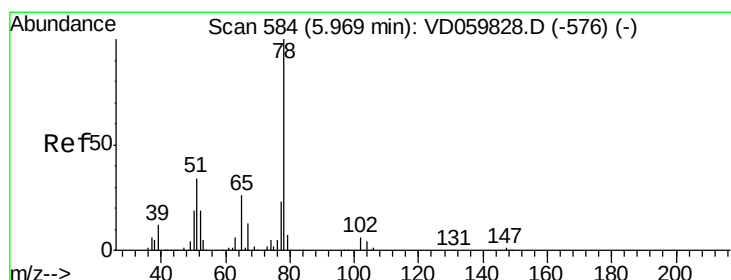
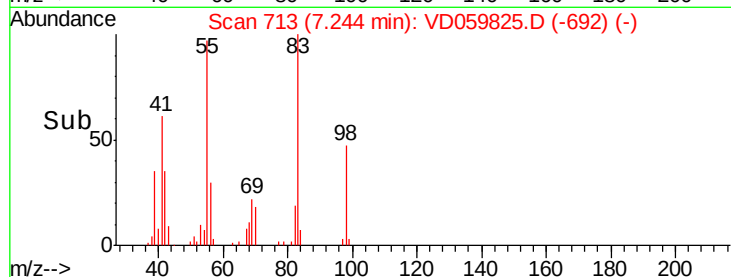
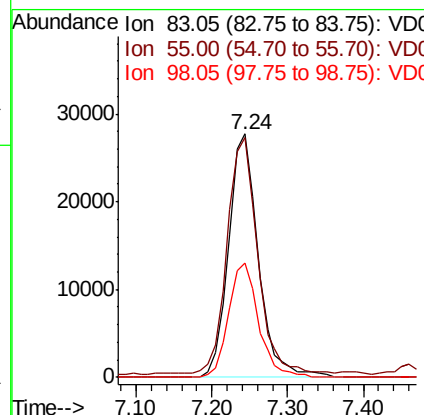
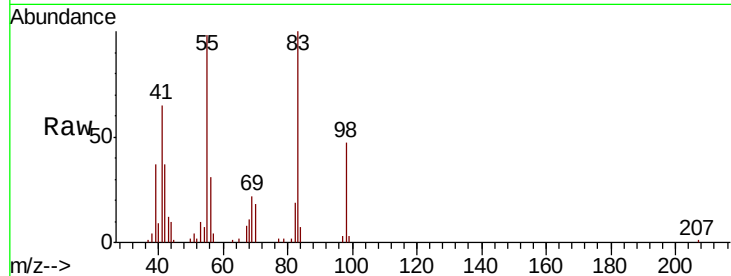
#39
Methylvlcyclohexane
Concen: 5.66 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.5	79.0	118.6
98	46.9	38.1	57.1

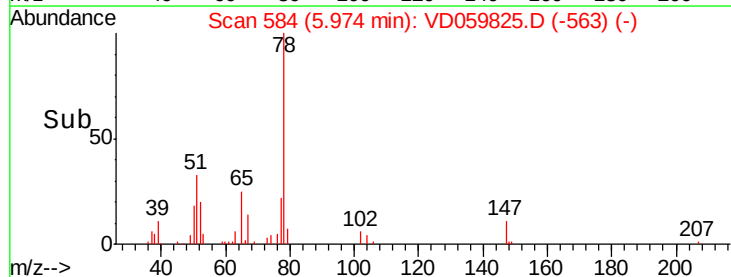
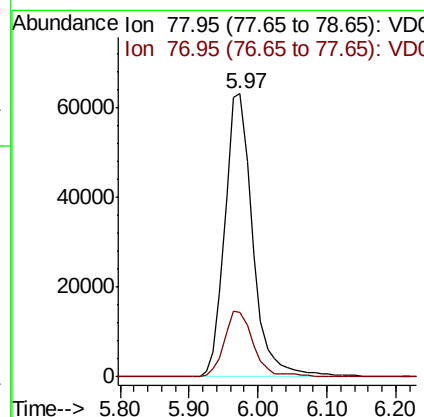
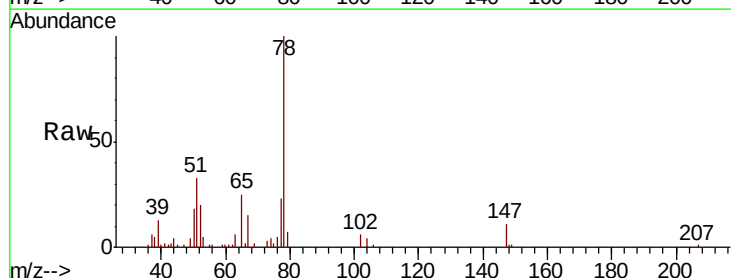
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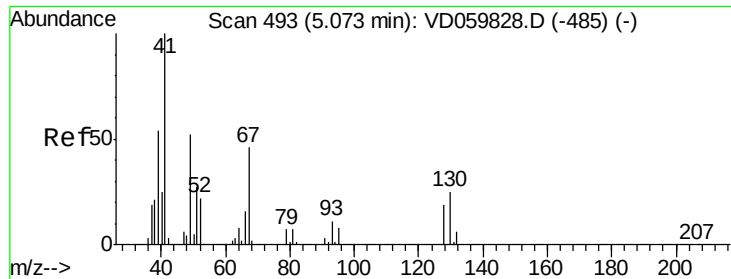
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#40
Benzene
Concen: 5.51 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2





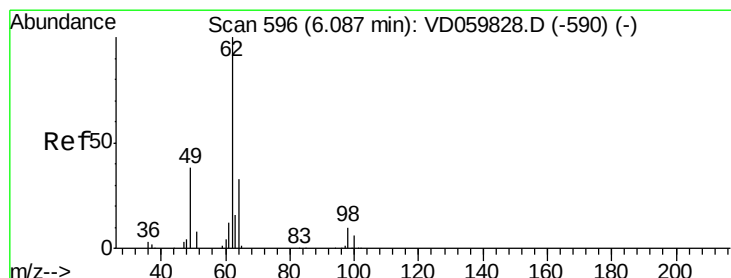
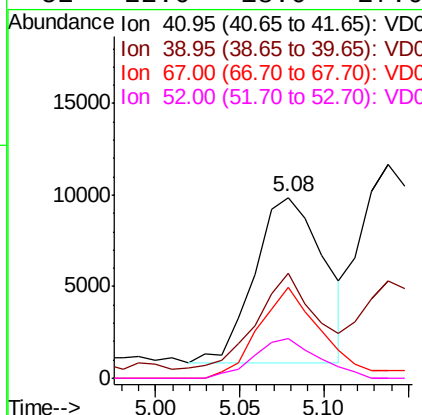
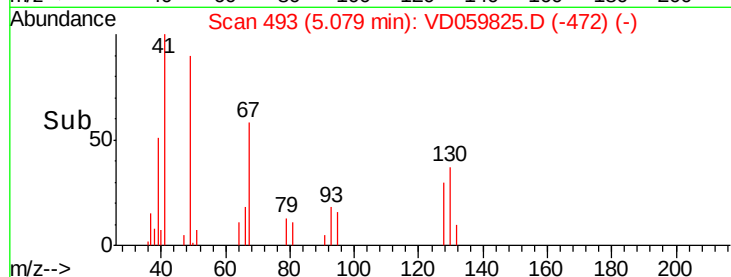
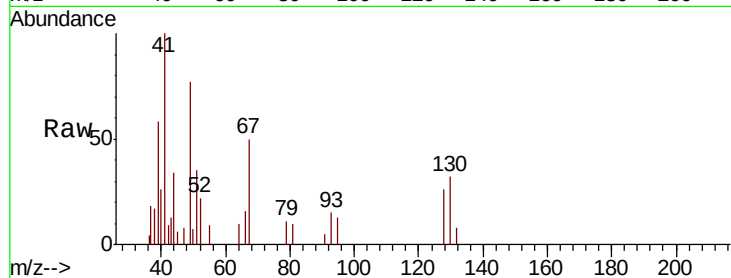
#41
Methacrylonitrile
Concen: 5.57 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.0	64.6
67	50.1	36.7	55.1
52	22.0	18.0	27.0

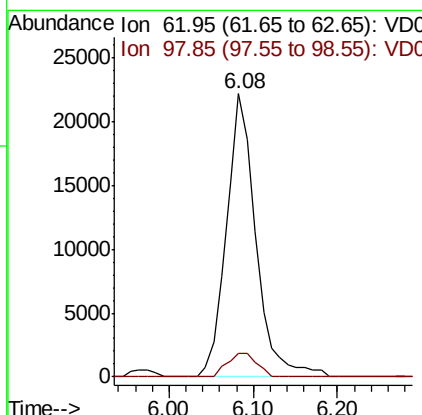
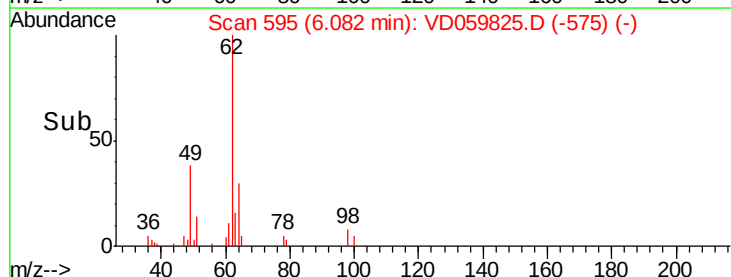
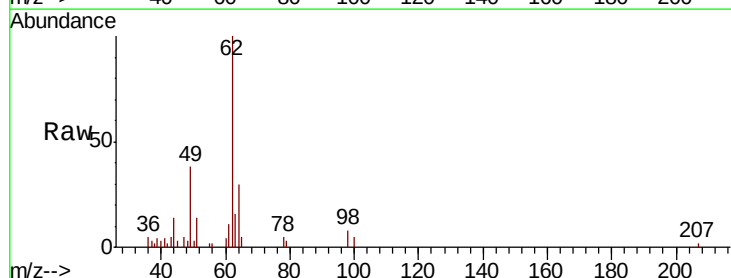
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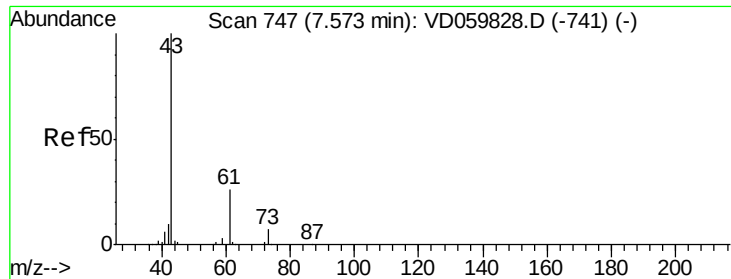
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#42
1,2-Dichloroethane
Concen: 5.19 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.4





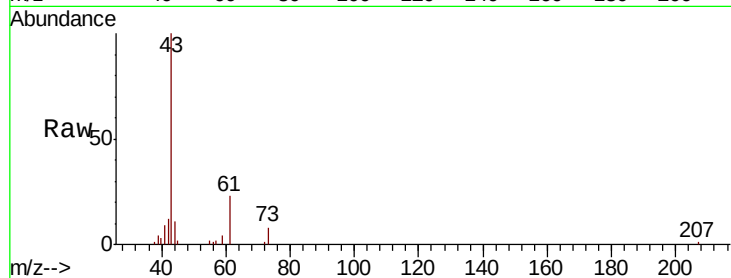
#43
Isopropyl Acetate
Concen: 5.47 ug/l
RT: 7.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

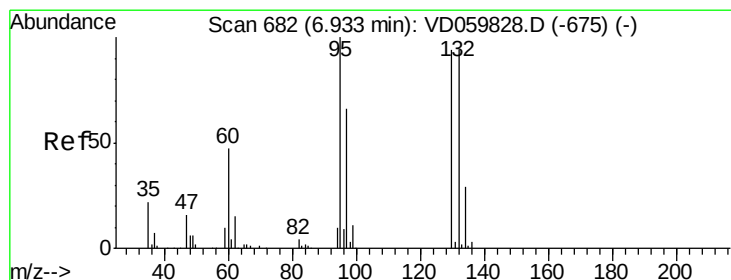
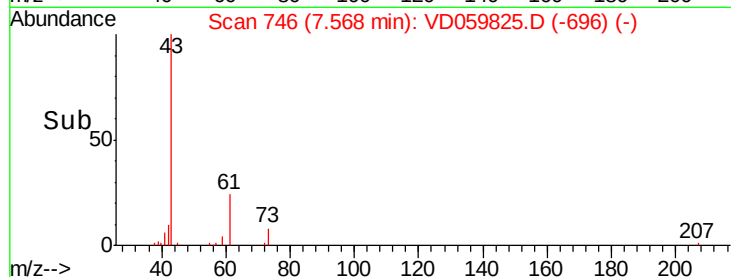
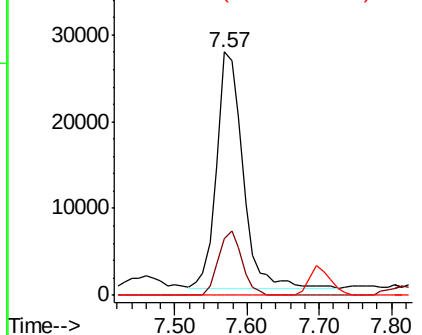
Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	21.0	31.4
87	0.0	0.2	0.4

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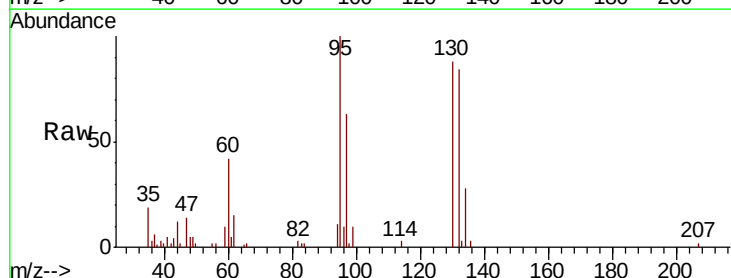


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

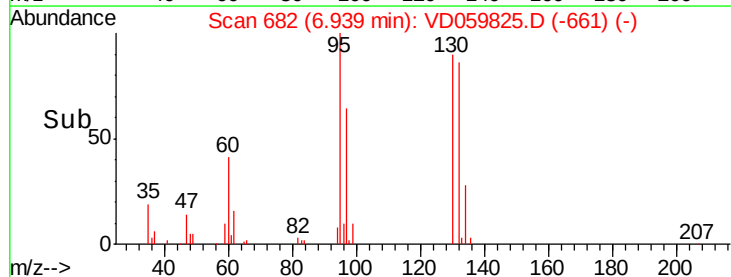
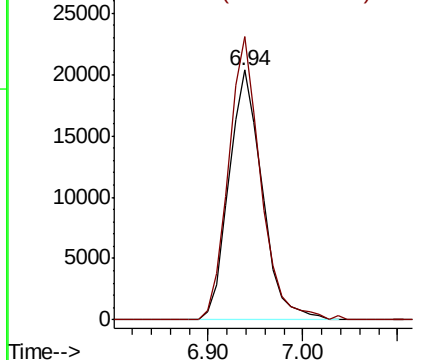


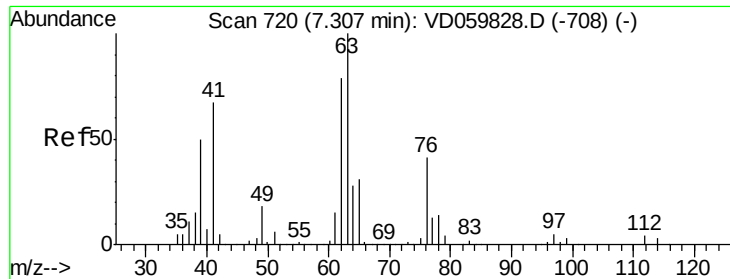
#44
Trichloroethene
Concen: 5.22 ug/l
RT: 6.94 min Scan# 682
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.2	0.0	213.0



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





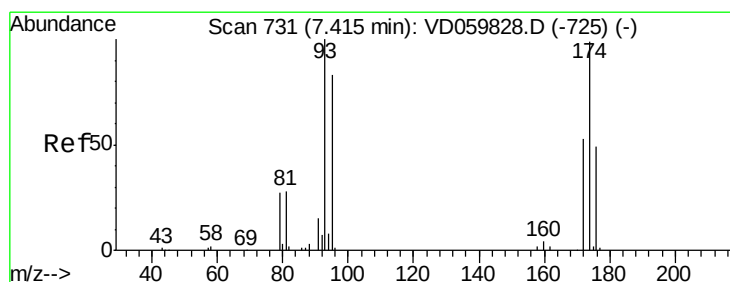
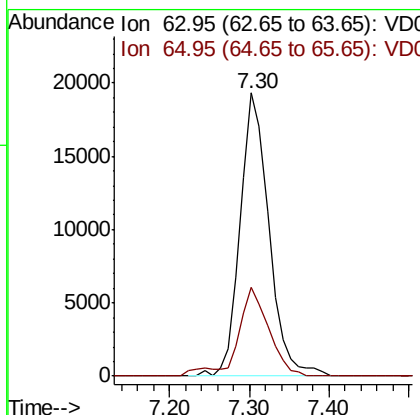
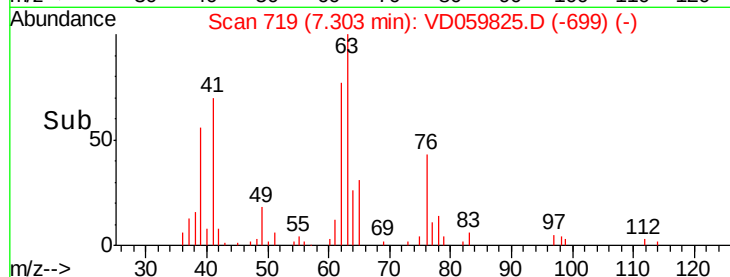
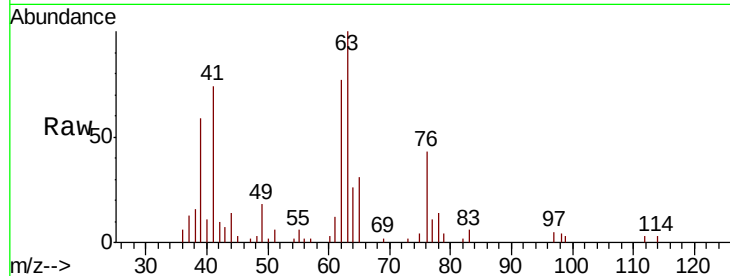
#45
 1,2-Dichloropropane
 Concen: 5.16 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 48251
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7

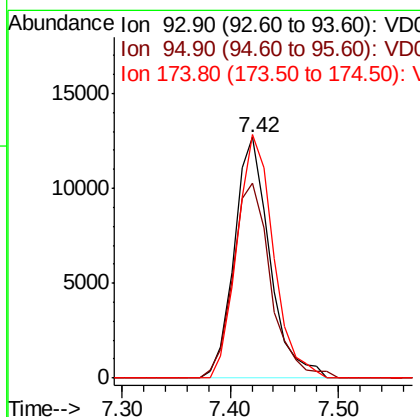
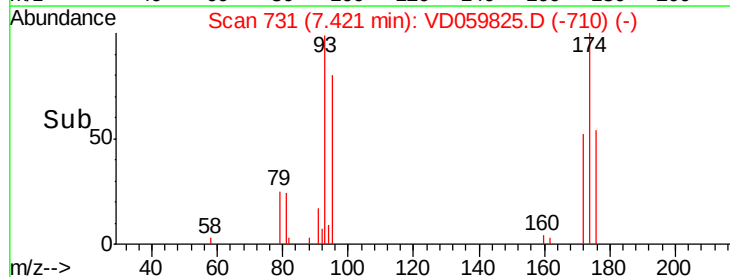
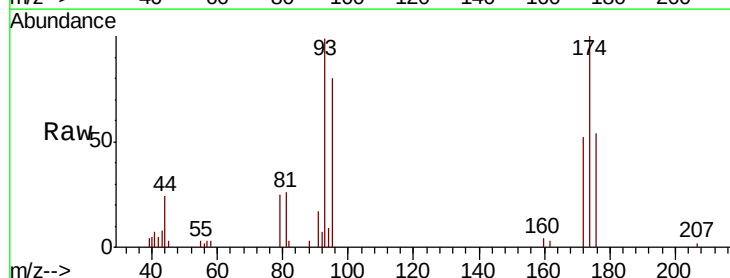
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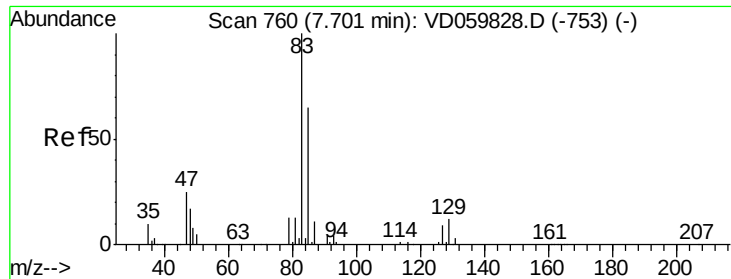
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#46
 Dibromomethane
 Concen: 4.99 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 93 Resp: 28943
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.3 99.5
 174 101.2 79.4 119.0





#47

Bromodichloromethane

Concen: 5.19 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

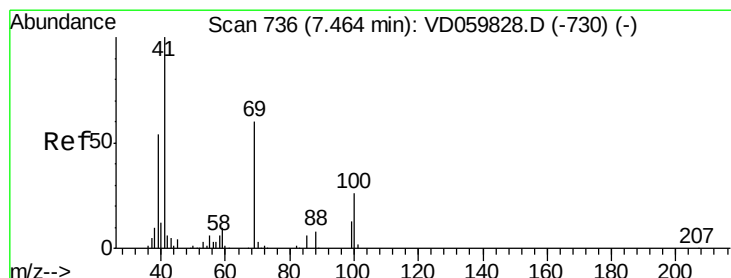
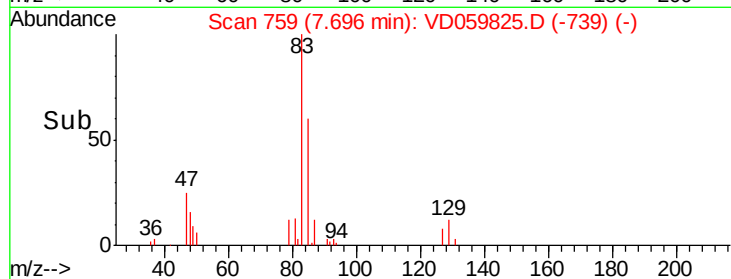
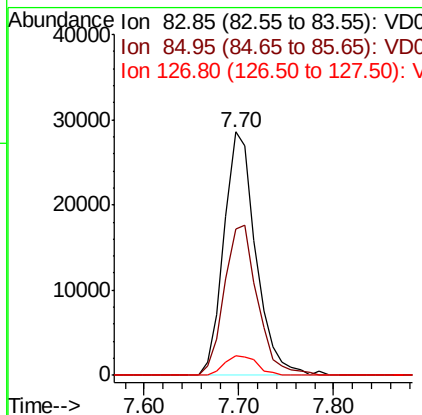
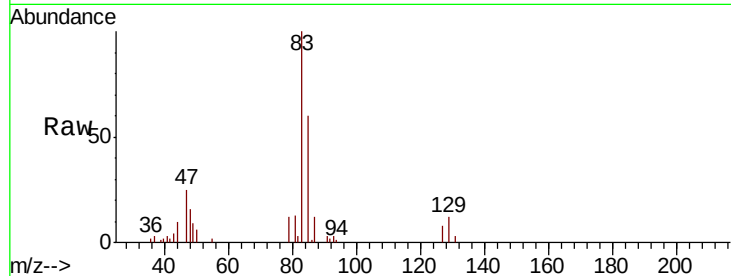
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	66843
Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.2	78.4
127	8.0	7.1	10.7

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#48

Methyl methacrylate

Concen: 5.41 ug/l

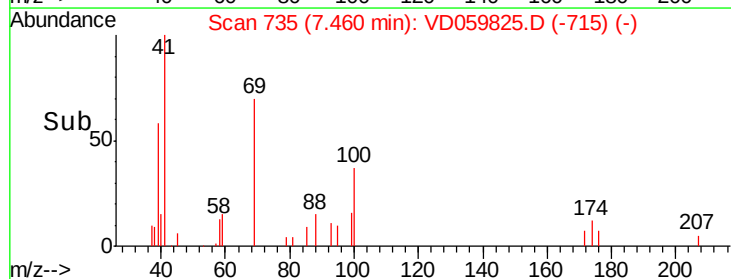
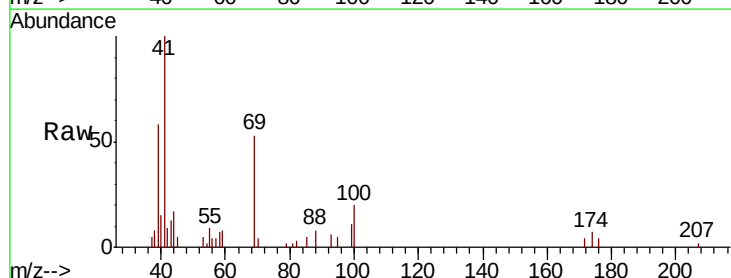
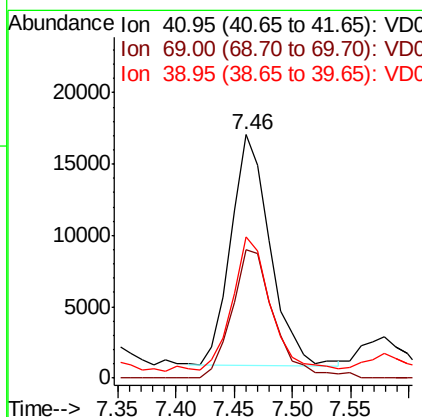
RT: 7.46 min Scan# 735

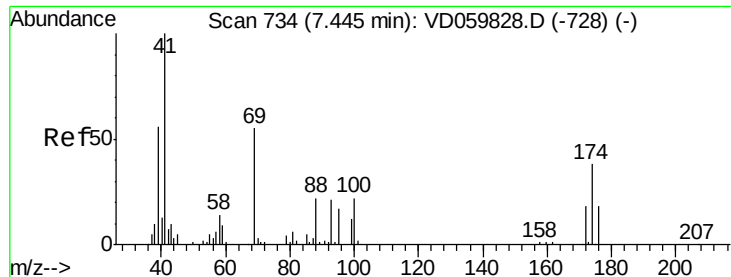
Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	41	Resp:	37692
Ion	Ratio	Lower	Upper
41	100		
69	52.5	47.0	70.4
39	57.9	43.4	65.2





#49

1,4-Dioxane

Concen: 93.16 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

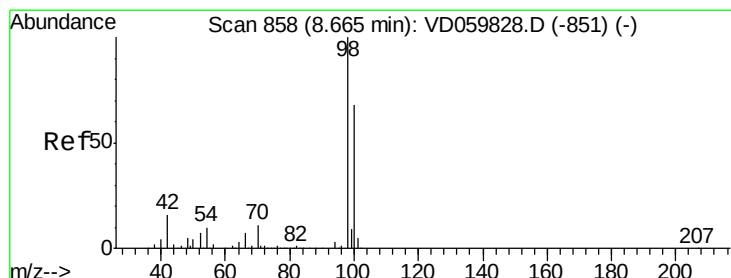
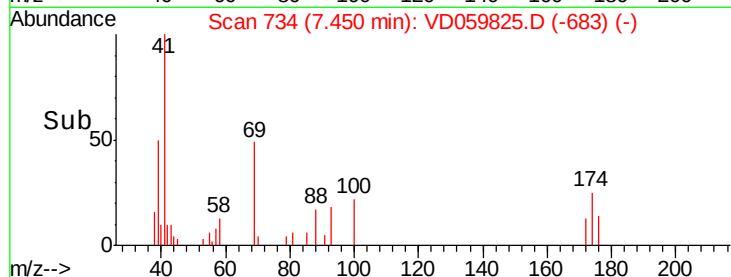
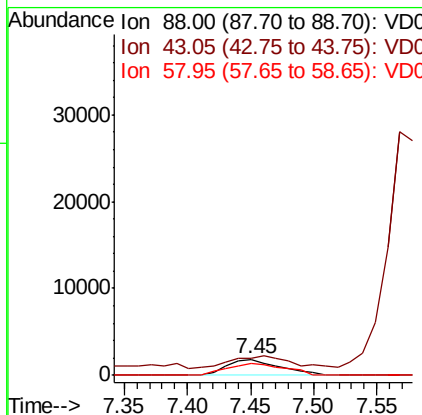
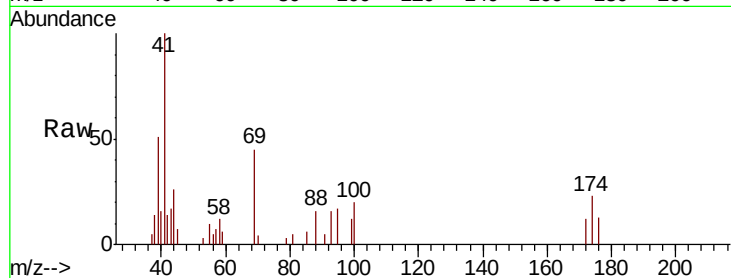
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	106.9	41.4	62.0#
58	77.3	52.4	78.6

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#50

Toluene-d8

Concen: 93.16 ug/l

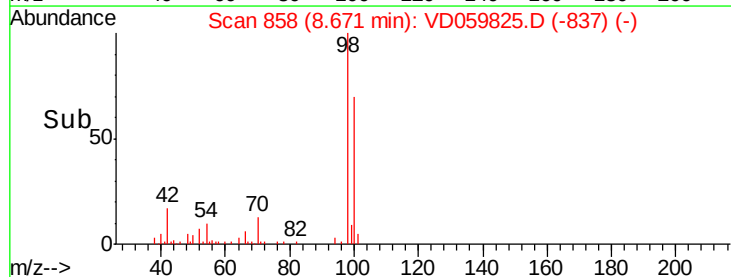
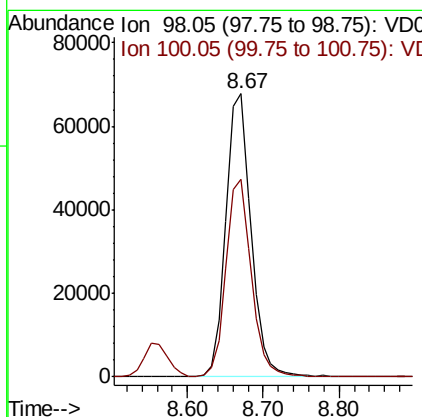
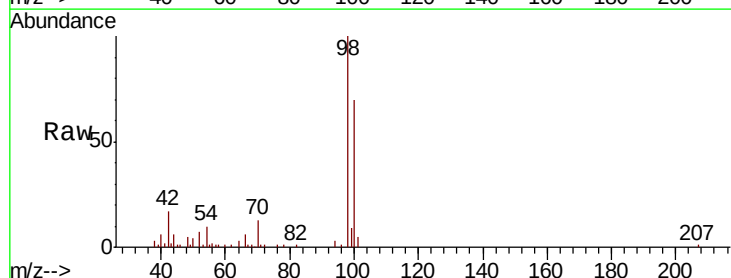
RT: 8.67 min Scan# 858

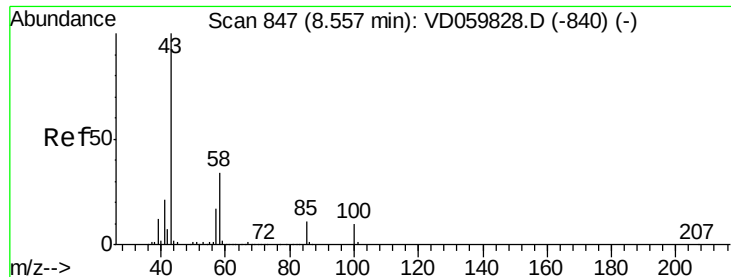
Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.0	82.4





#51

4-Methyl-2-Pentanone

Concen: 24.09 ug/l

RT: 8.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 206494

Ion Ratio Lower Upper

43 100

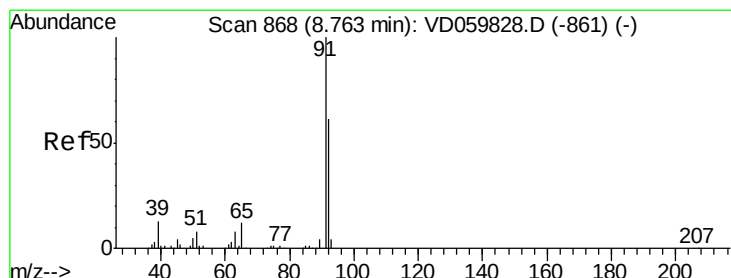
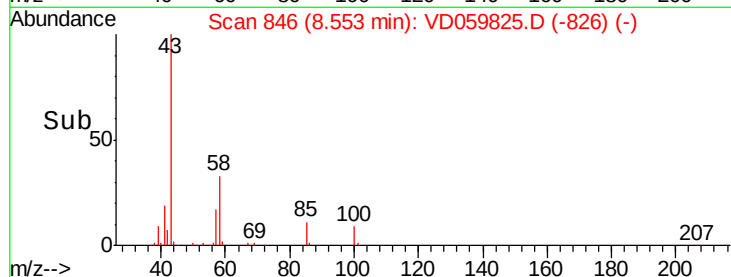
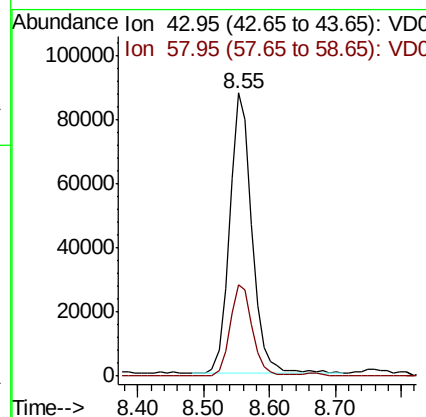
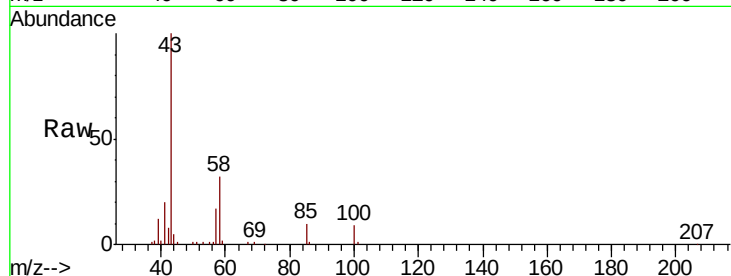
58 32.2 27.0 40.4

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#52

Toluene

Concen: 5.55 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059825.D

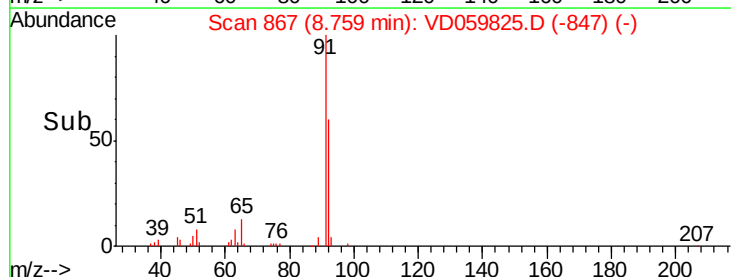
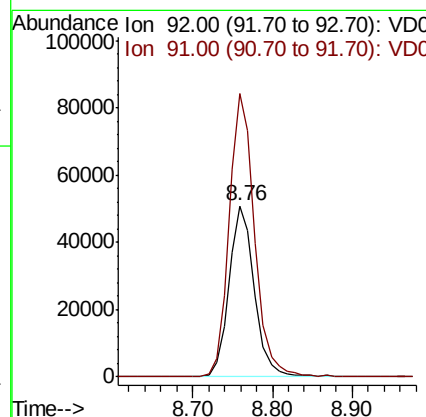
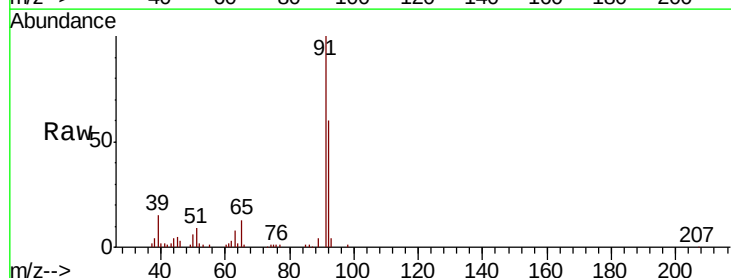
Acq: 20 Aug 2018 12:02

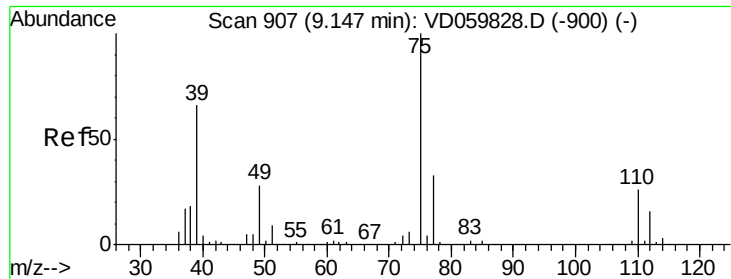
Tgt Ion: 92 Resp: 113433

Ion Ratio Lower Upper

92 100

91 165.4 131.7 197.5





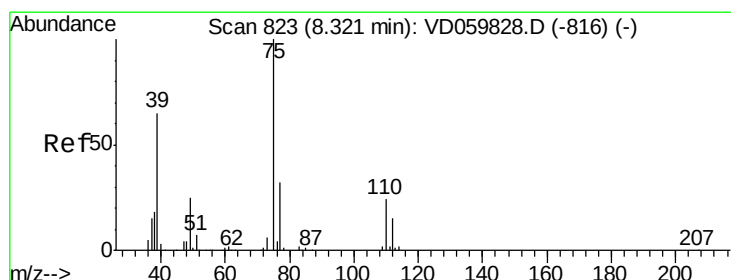
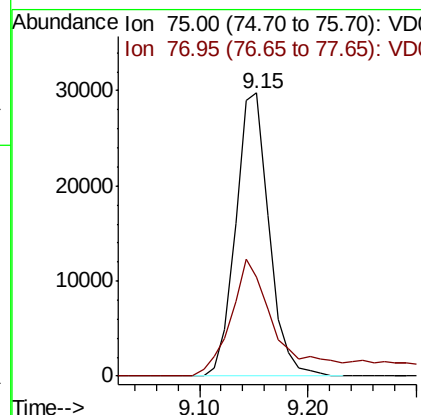
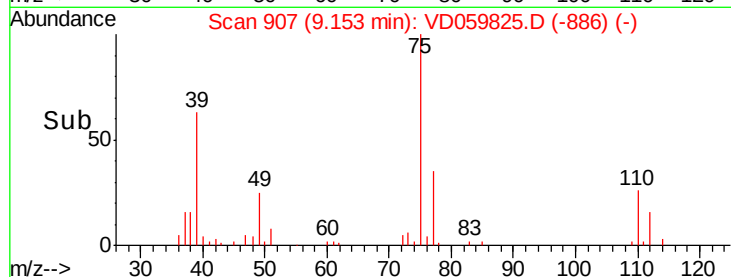
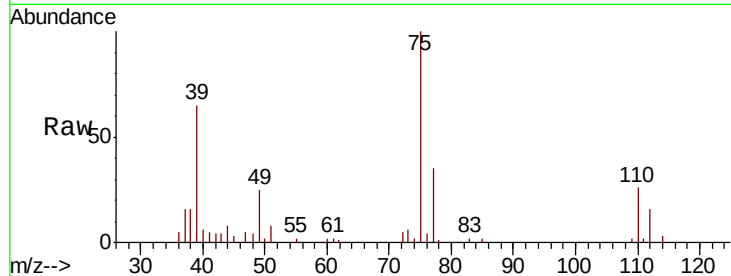
#53
 t-1,3-Dichloropropene
 Concen: 5.42 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 63585
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.3 39.5

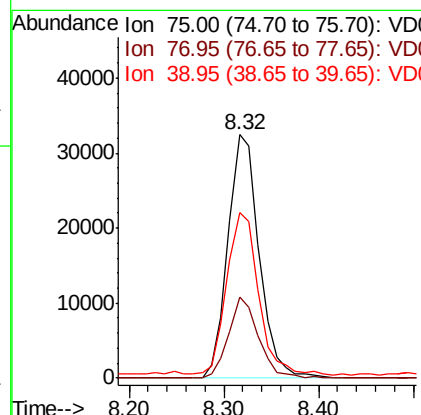
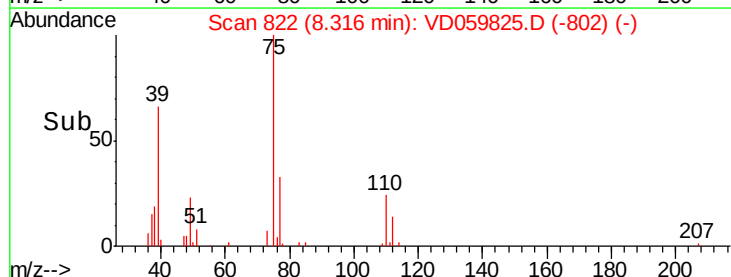
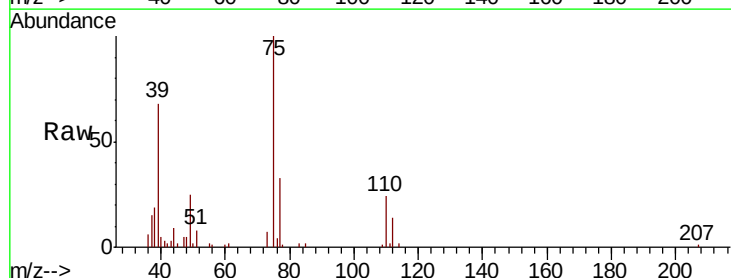
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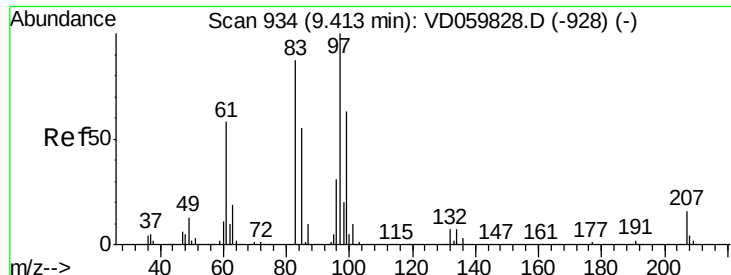
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#54
 cis-1,3-Dichloropropene
 Concen: 5.26 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion: 75 Resp: 74038
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8
 39 68.2 52.2 78.4





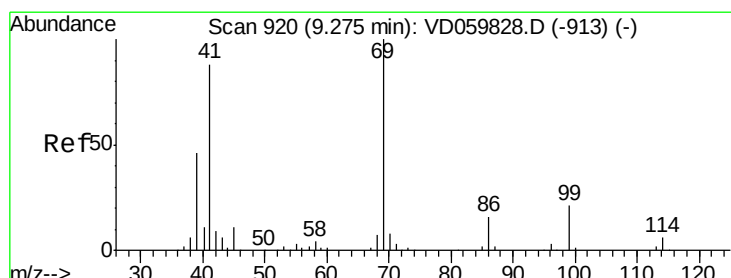
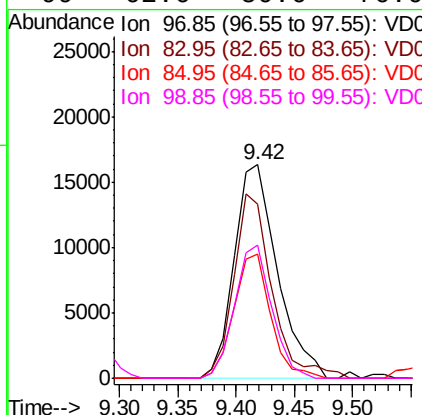
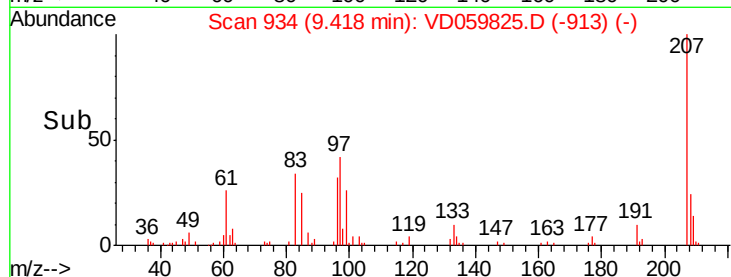
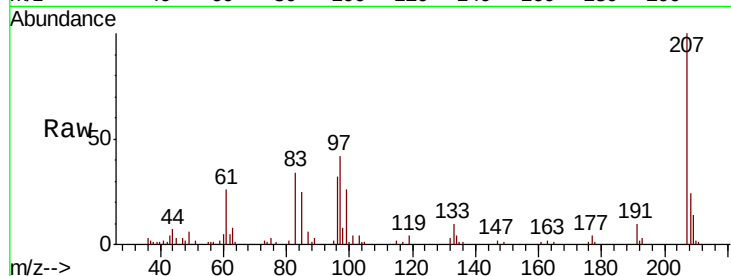
#55
 1,1,2-Trichloroethane
 Concen: 5.75 ug/l
 RT: 9.42 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	41882
Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.2	103.8
85	58.0	44.3	66.5
99	62.6	50.6	76.0

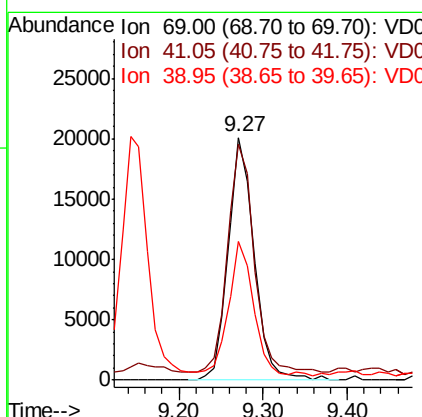
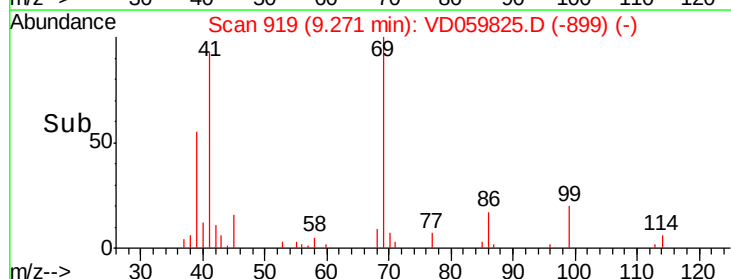
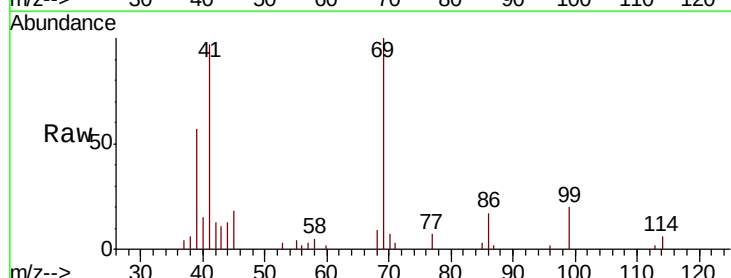
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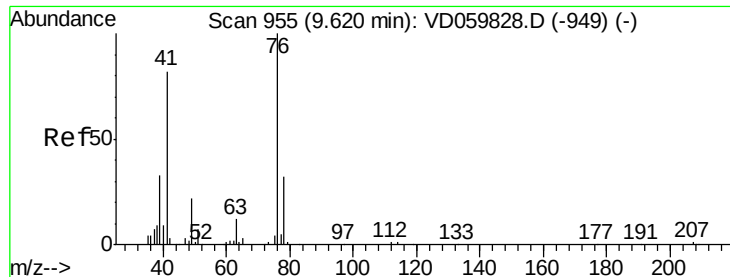
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#56
 Ethyl methacrylate
 Concen: 5.14 ug/l
 RT: 9.27 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion:	69	Resp:	43009
Ion	Ratio	Lower	Upper
69	100		
41	97.1	71.0	106.4
39	57.1	38.0	57.0#





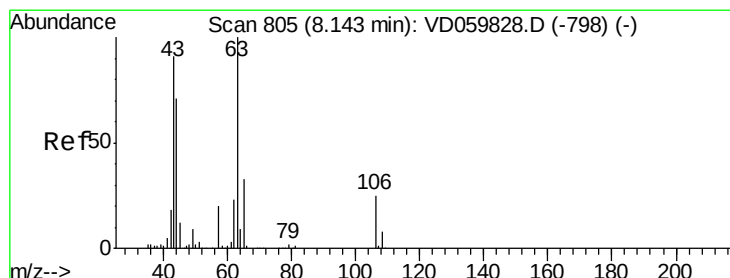
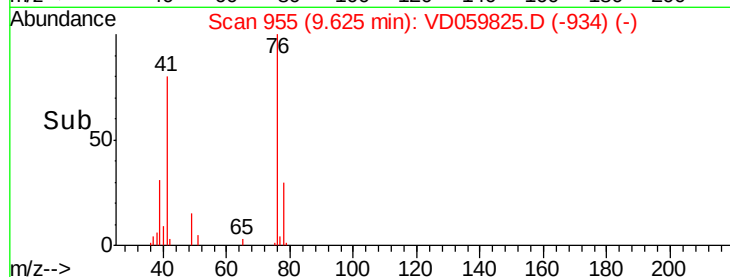
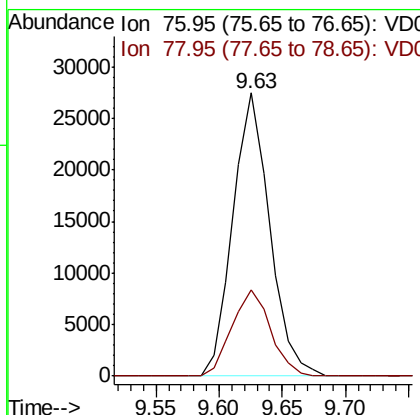
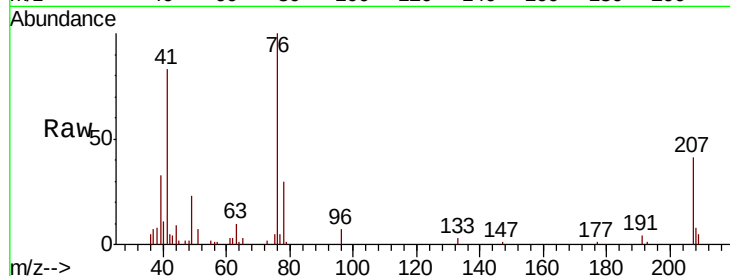
#57
 1,3-Dichloropropane
 Concen: 5.22 ug/l
 RT: 9.63 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.5	38.3

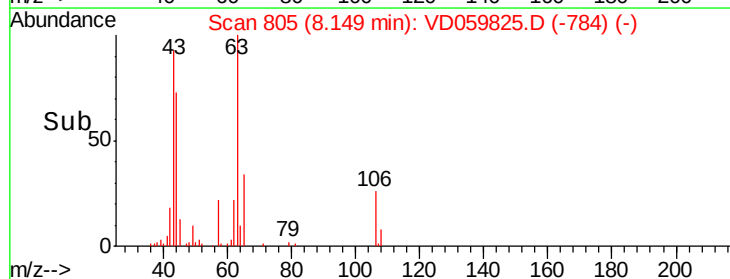
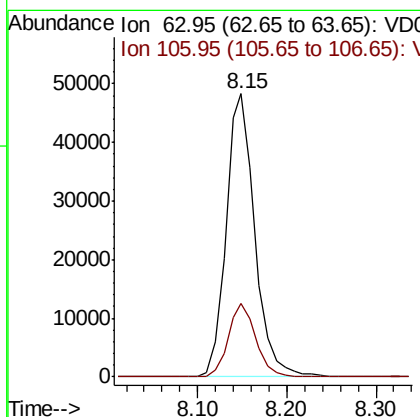
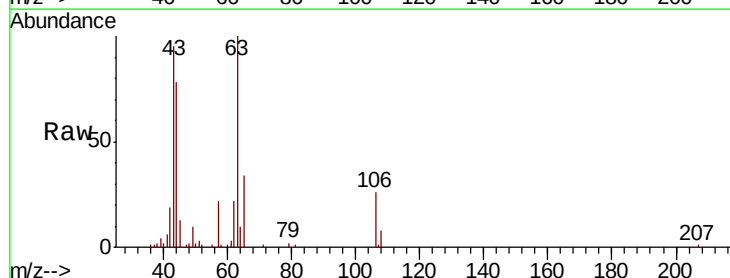
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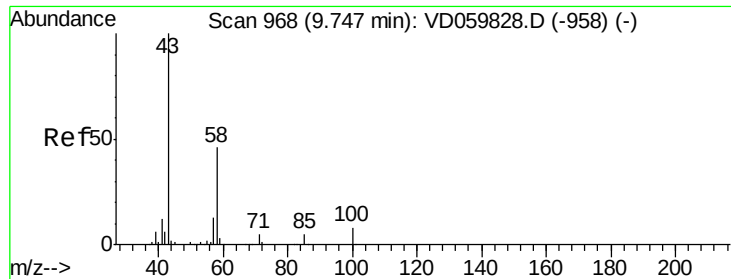
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#58
 2-Chloroethyl Vinyl ether
 Concen: 25.29 ug/l
 RT: 8.15 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	19.6	29.4





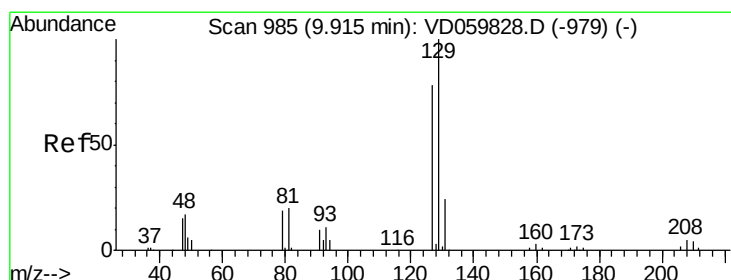
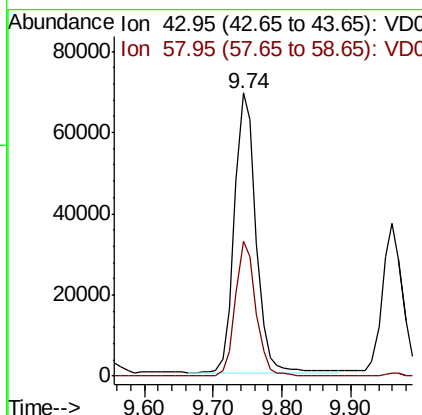
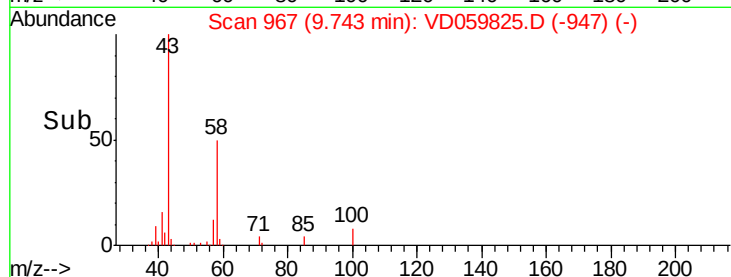
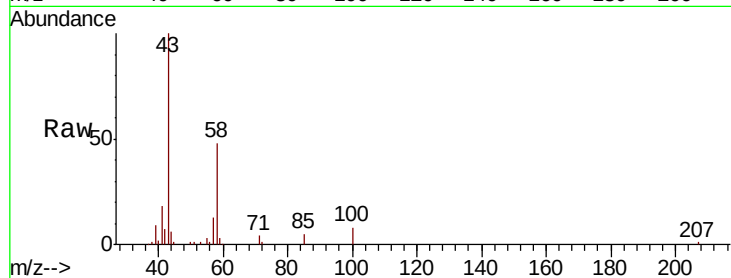
#59
2-Hexanone
Concen: 23.65 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	23.1	69.2

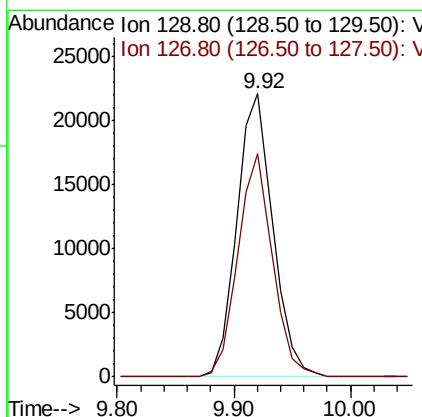
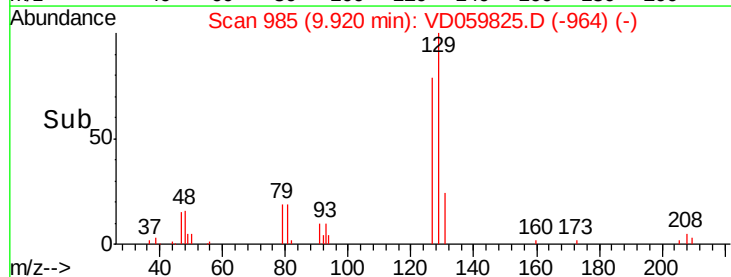
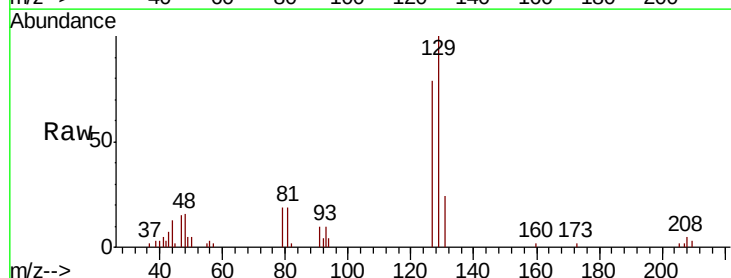
Manual Integrations
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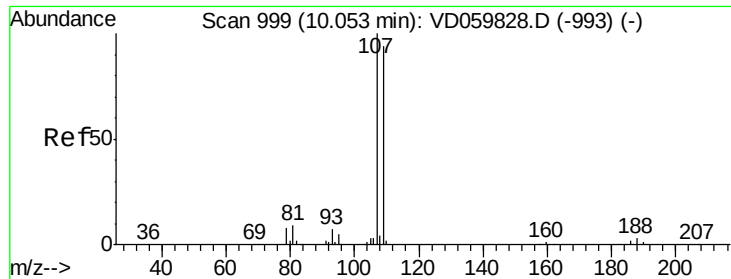
apatel
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#60
Dibromochloromethane
Concen: 5.05 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.0	116.9





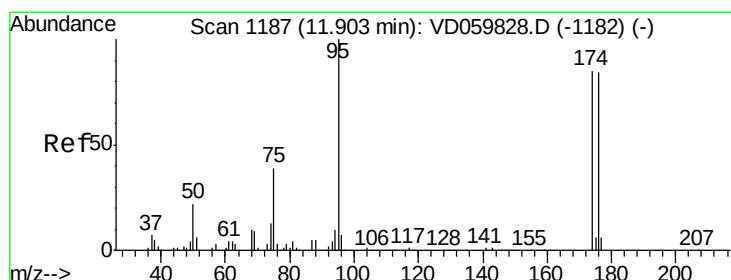
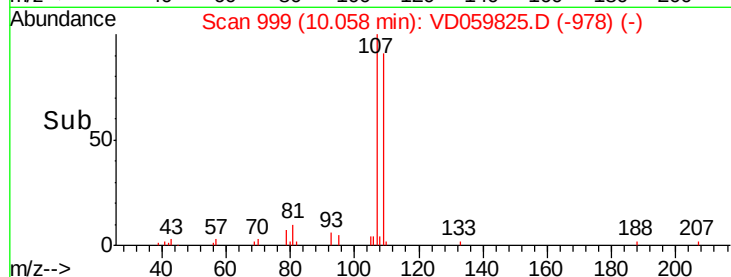
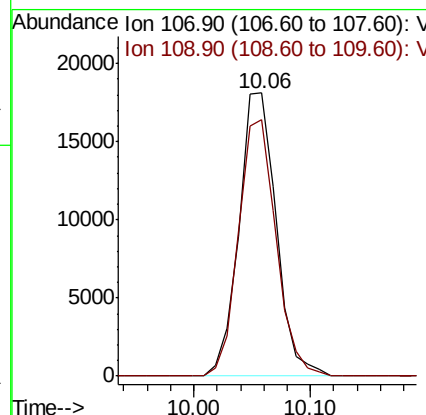
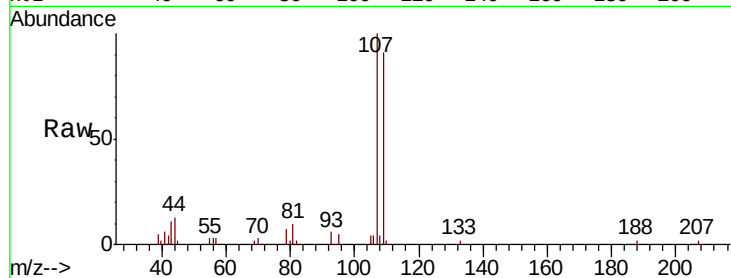
#61
 1,2-Dibromoethane
 Concen: 5.17 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.8	75.0	112.6

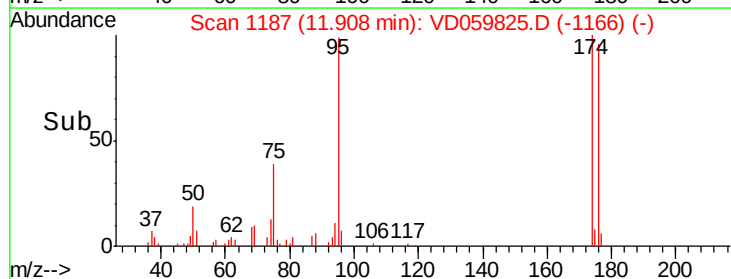
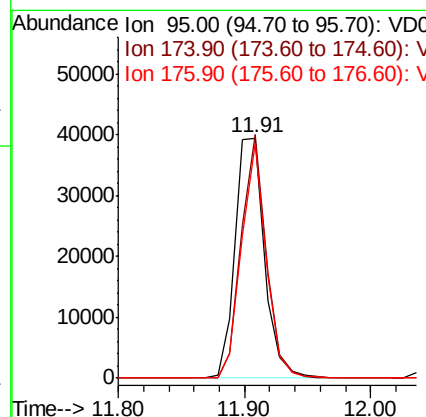
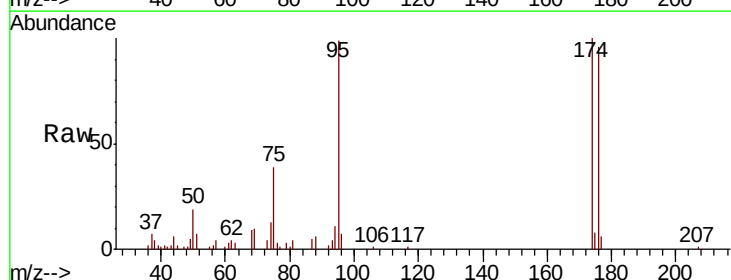
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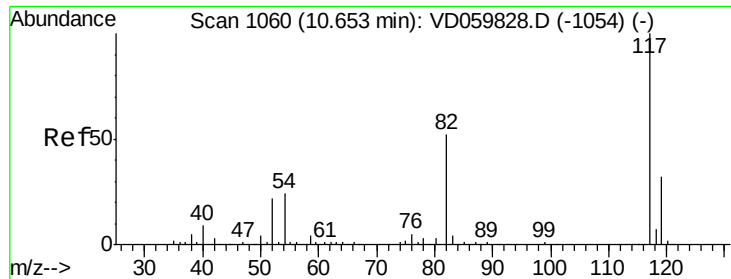
apatel
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#62
 4-Bromofluorobenzene
 Concen: 5.17 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.4	0.0	169.2
176	97.7	0.0	168.0





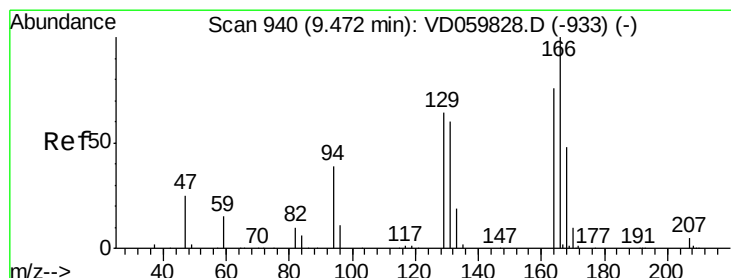
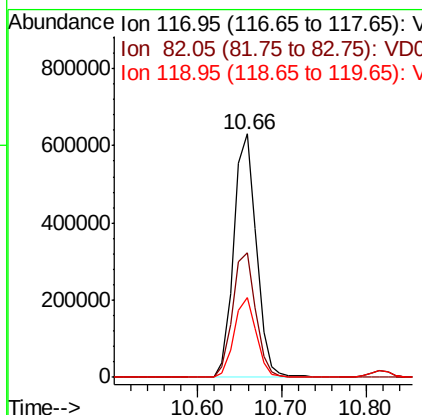
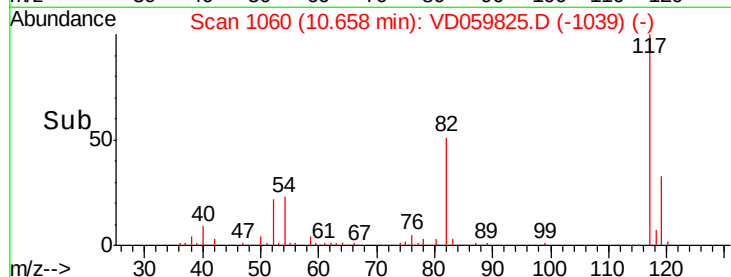
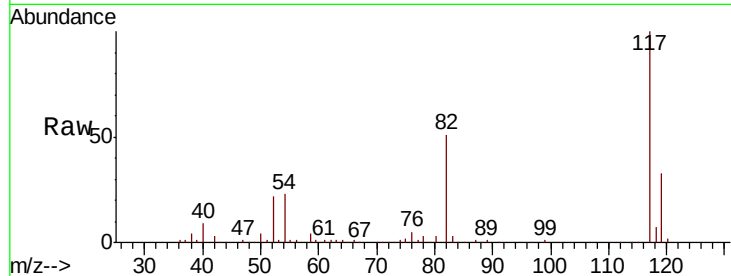
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.6	62.4
119	32.6	25.6	38.4

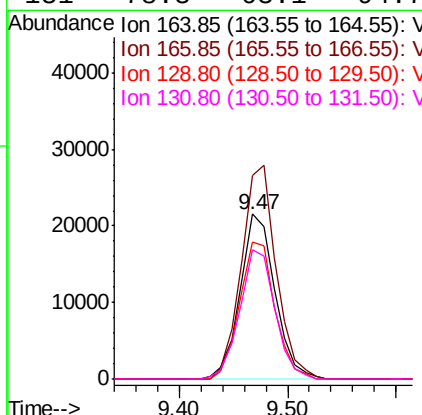
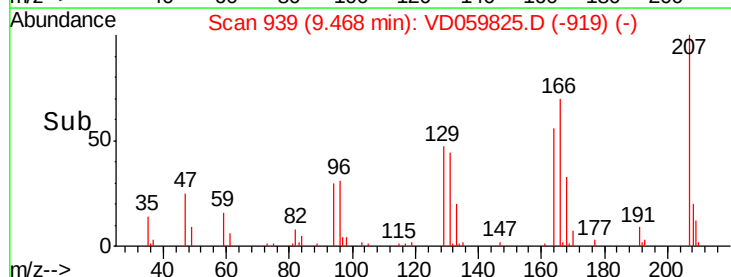
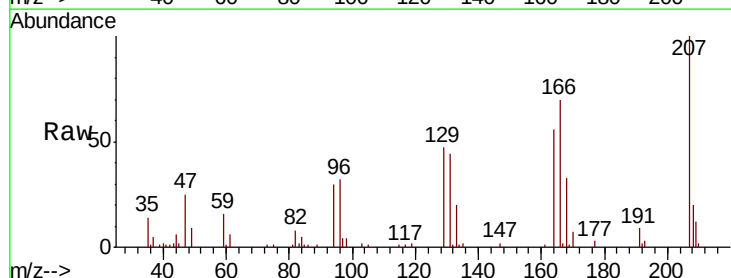
Manual Integrations
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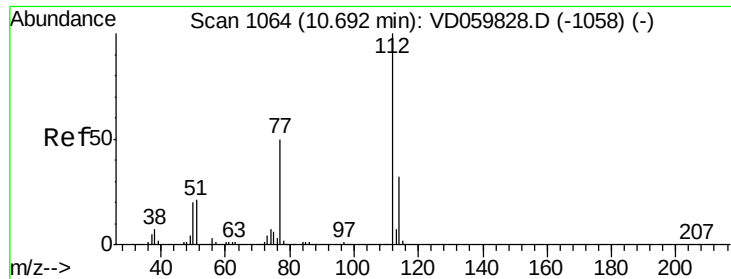
apatel
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#64
Tetrachloroethene
Concen: 5.57 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	104.9	157.3
129	83.4	66.7	100.1
131	78.3	63.1	94.7





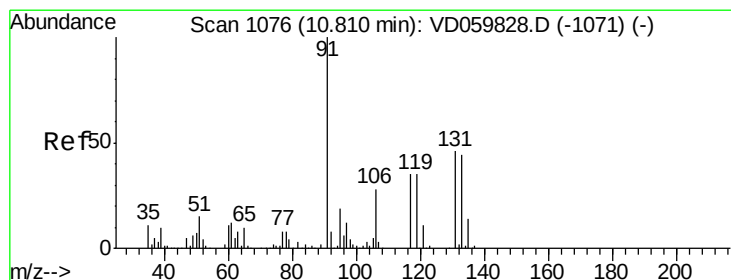
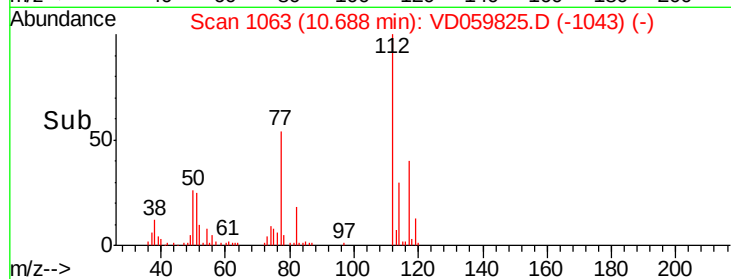
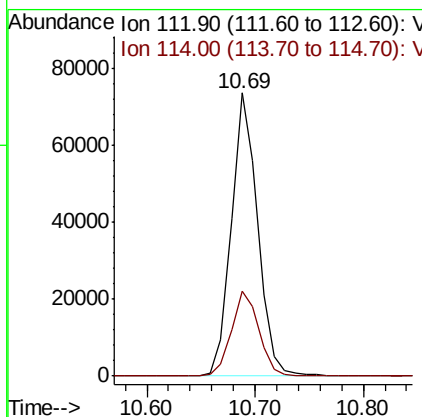
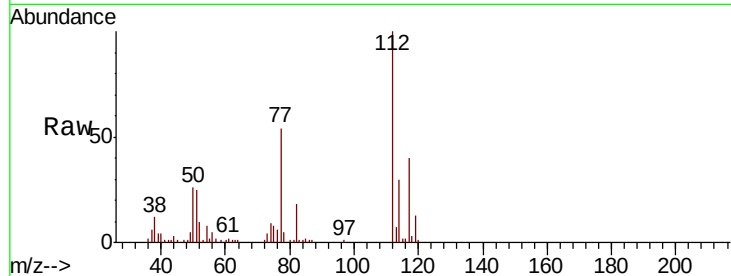
#65
Chlorobenzene
Concen: 5.40 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.7	38.5

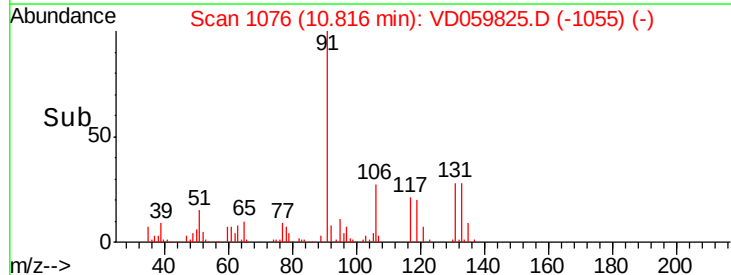
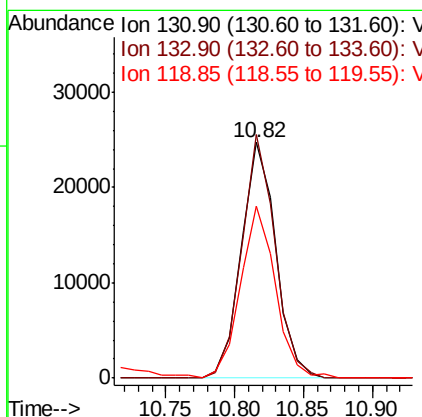
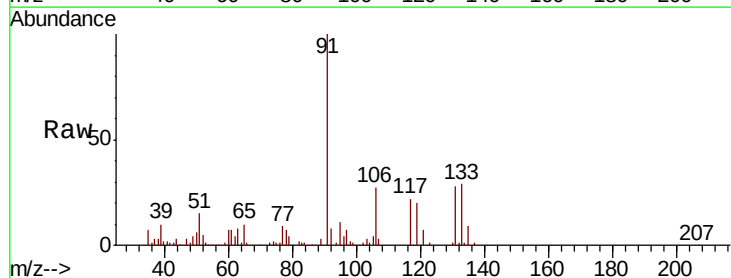
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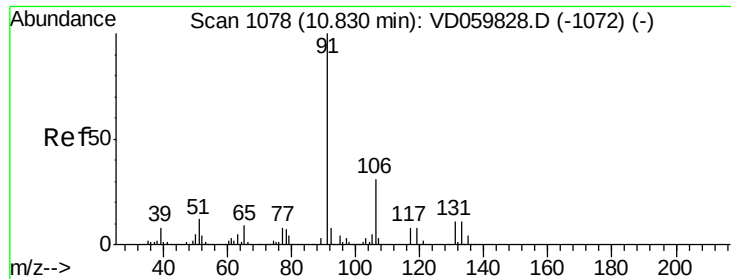
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.44 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.4	47.1	141.4
119	73.3	37.5	112.7





#67

Ethyl Benzene

Concen: 5.89 ug/l

RT: 10.83 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 222171

Ion Ratio Lower Upper

91 100

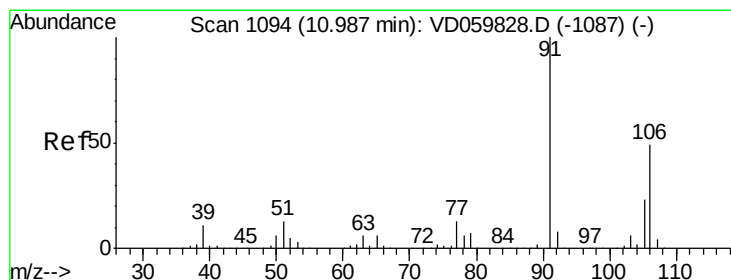
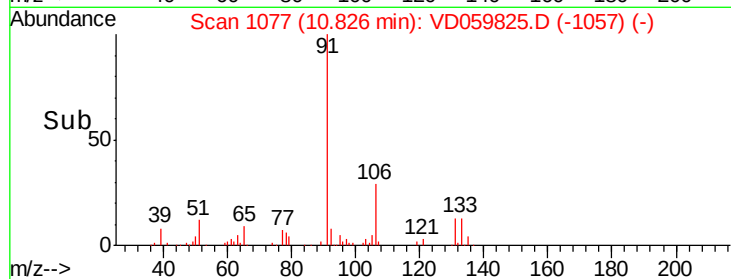
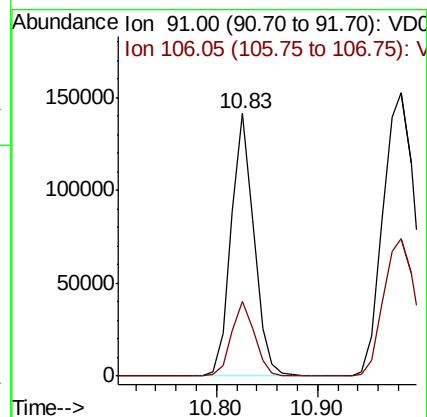
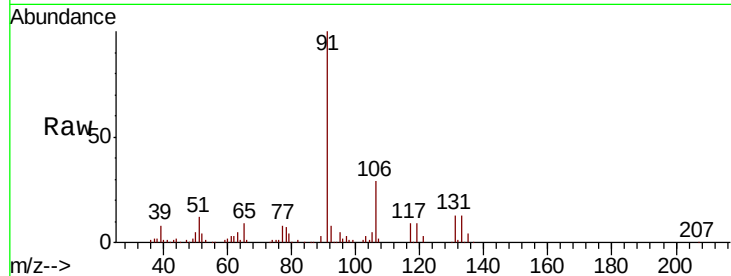
106 28.6 25.1 37.7

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#68

m/p-Xylenes

Concen: 11.73 ug/l

RT: 10.98 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD059825.D

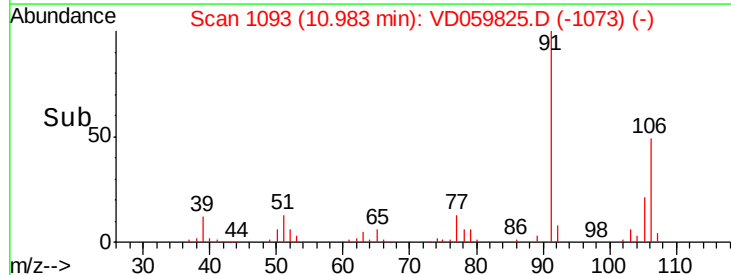
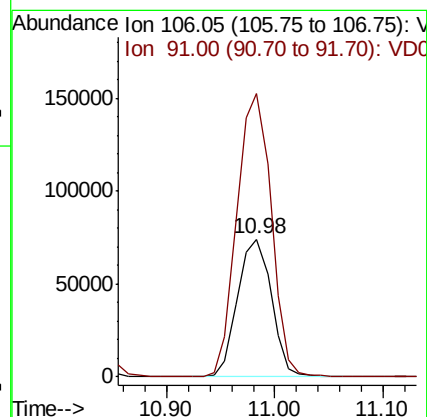
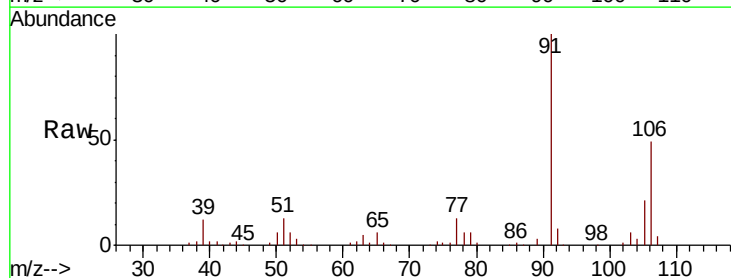
Acq: 20 Aug 2018 12:02

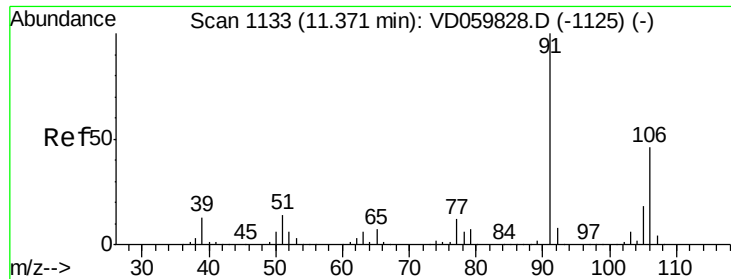
Tgt Ion: 106 Resp: 162187

Ion Ratio Lower Upper

106 100

91 205.8 161.8 242.8





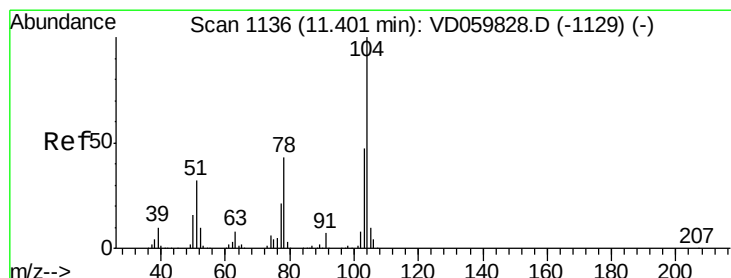
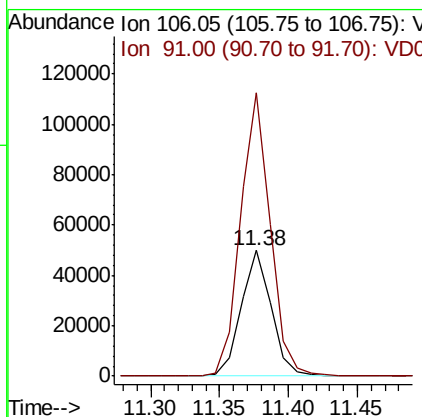
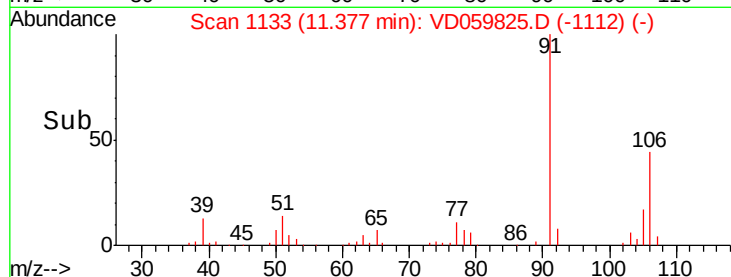
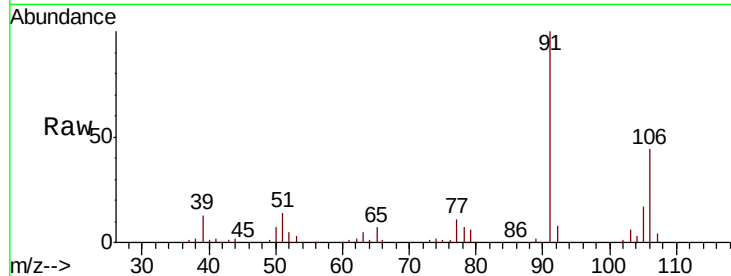
#69
o-Xylene
Concen: 5.60 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 75696
Ion Ratio Lower Upper
106 100
91 225.6 108.5 325.3

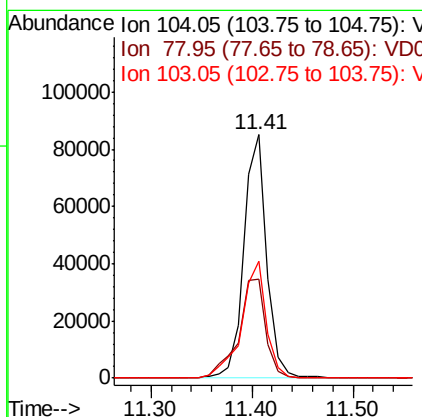
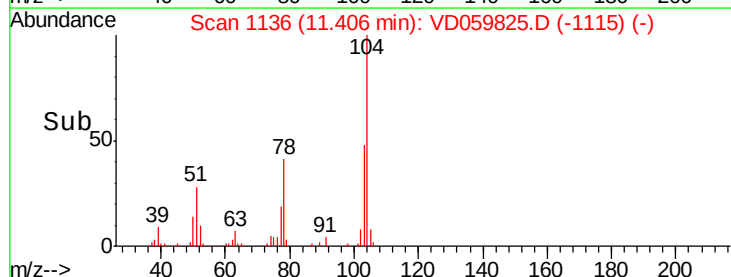
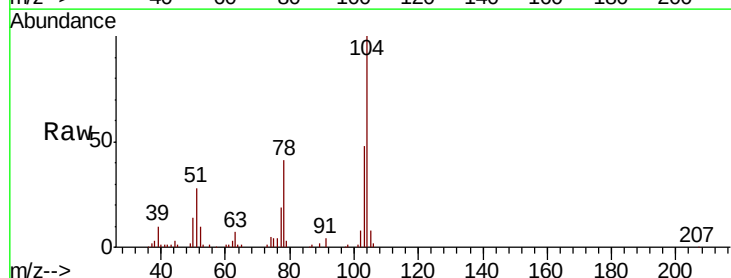
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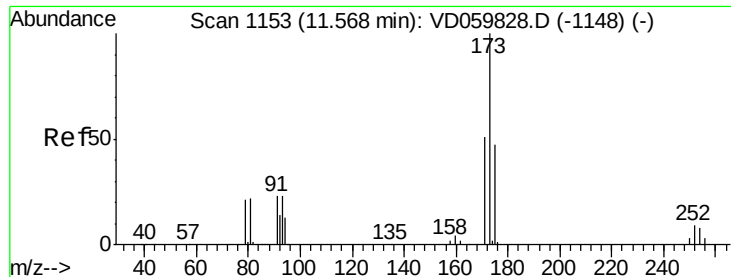
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#70
Styrene
Concen: 5.69 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion:104 Resp: 133302
Ion Ratio Lower Upper
104 100
78 40.6 34.6 52.0
103 47.8 37.8 56.6





#71

Bromoform

Concen: 4.98 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

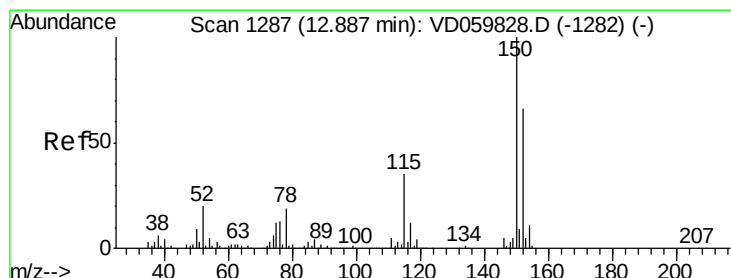
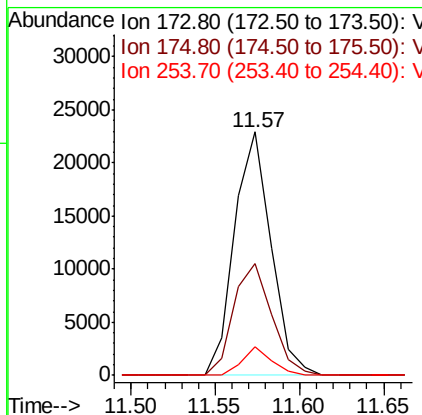
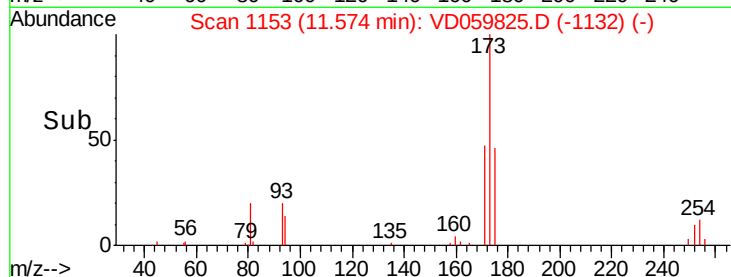
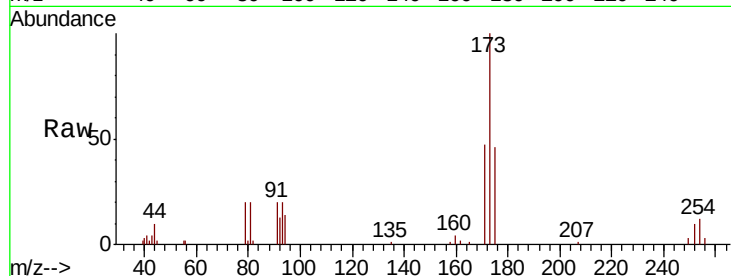
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	23.7	71.1
254	12.0	6.7	10.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

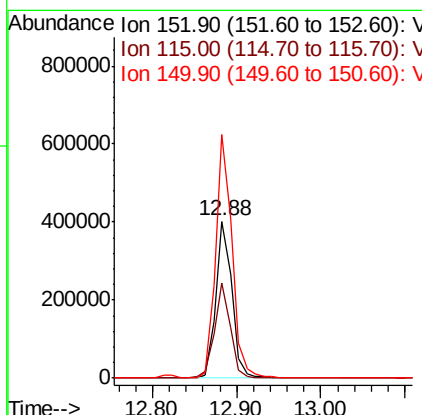
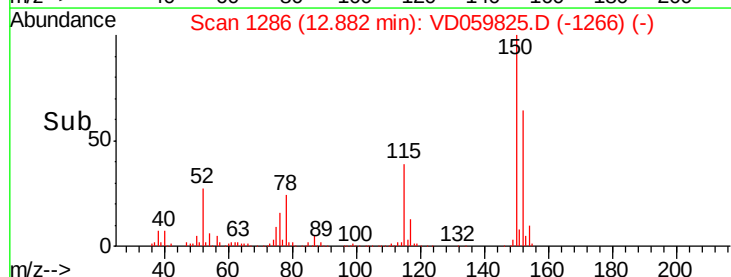
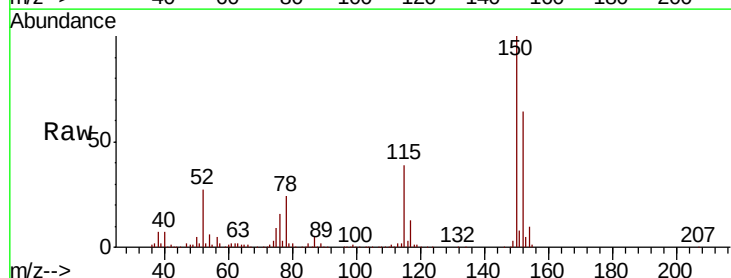
RT: 12.88 min Scan# 1286

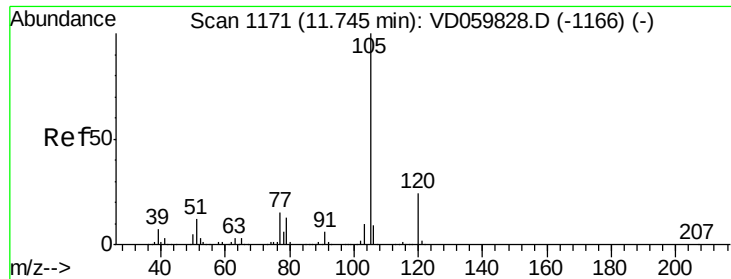
Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	26.9	80.6
150	155.5	0.0	306.8





#73

Isopropylbenzene

Concen: 5.74 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 209348

Ion Ratio Lower Upper

105 100

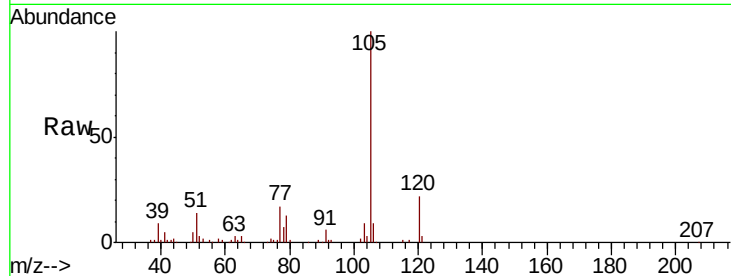
120 22.3 11.9 35.5

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.74

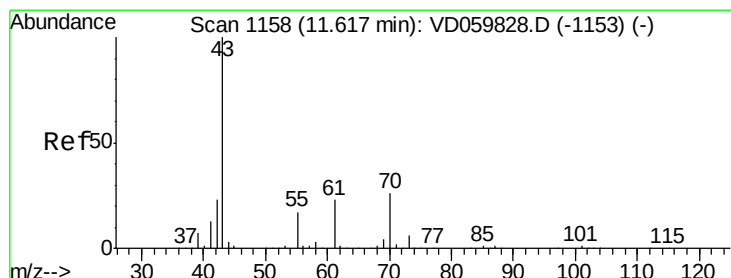
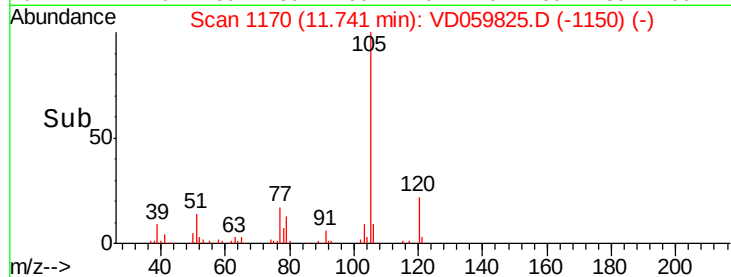
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 5.31 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion: 43 Resp: 85748

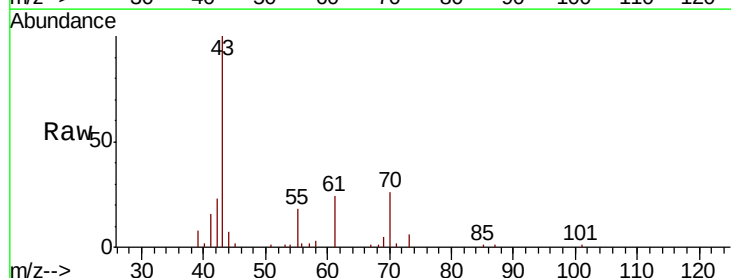
Ion Ratio Lower Upper

43 100

70 26.2 20.5 30.7

55 17.9 13.7 20.5

61 24.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

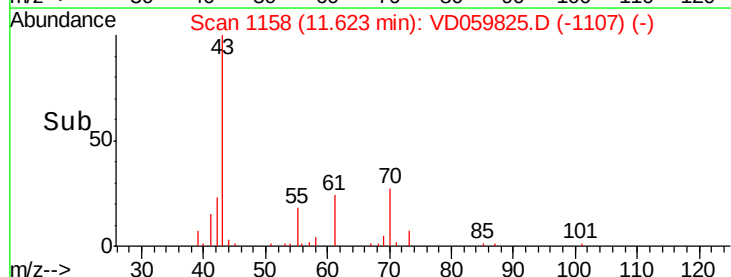
60000

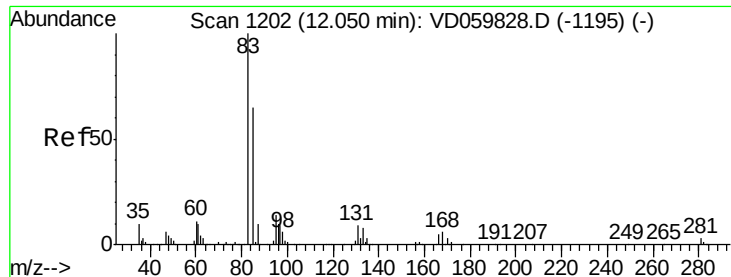
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.17 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

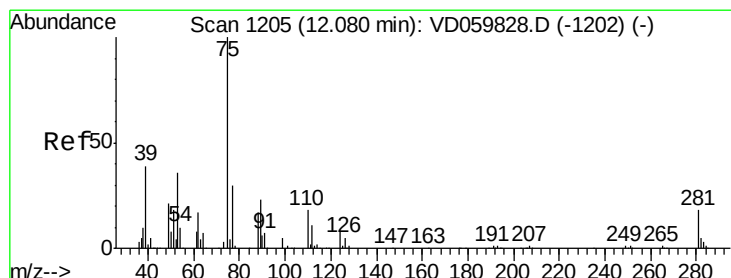
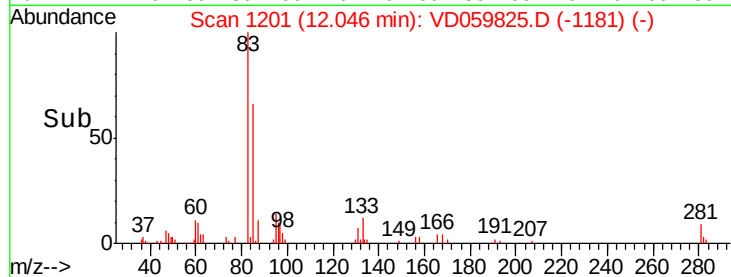
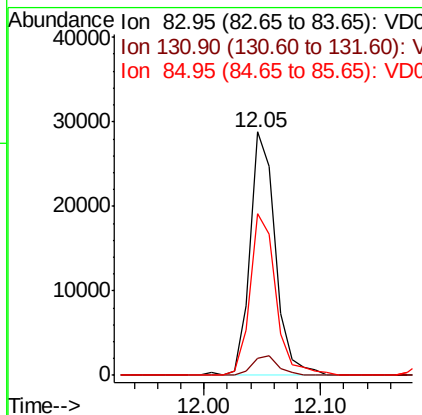
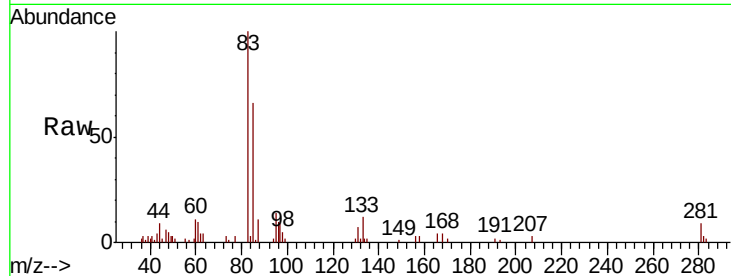
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	43422
Ion Ratio	Lower	Upper	
83	100		
131	7.2	4.3	13.1
85	66.5	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 5.54 ug/l

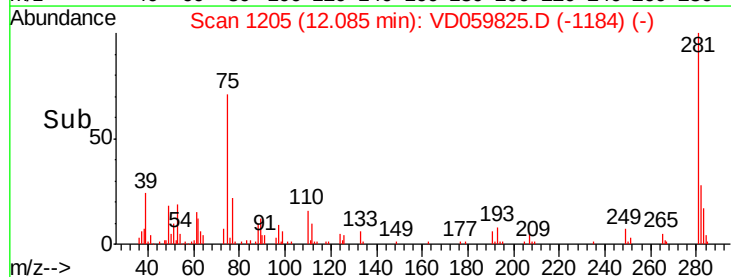
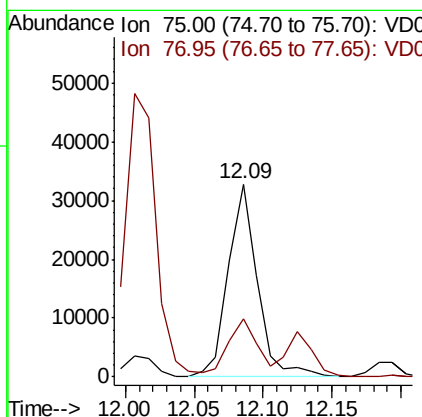
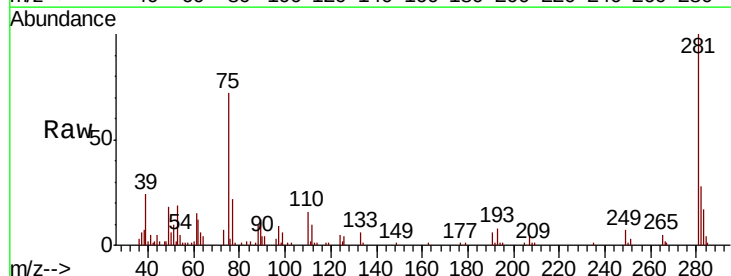
RT: 12.09 min Scan# 1205

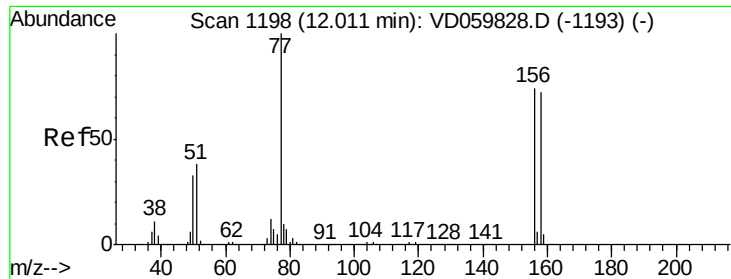
Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	75	Resp:	48426
Ion Ratio	Lower	Upper	
75	100		
77	30.3	16.0	47.9





#77

Bromobenzene

Concen: 5.43 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 55042

Ion Ratio Lower Upper

156 100

77 116.9 68.0 204.0

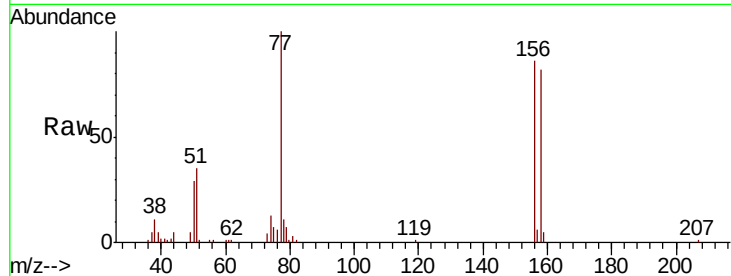
158 95.5 48.9 146.8

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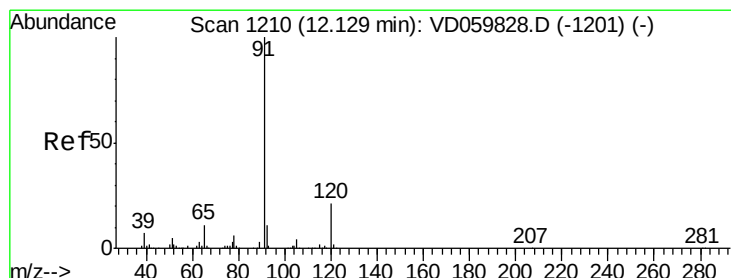
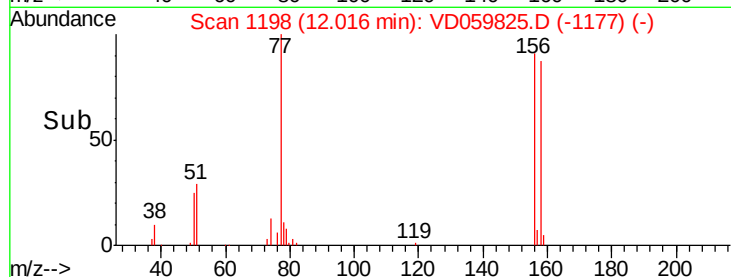
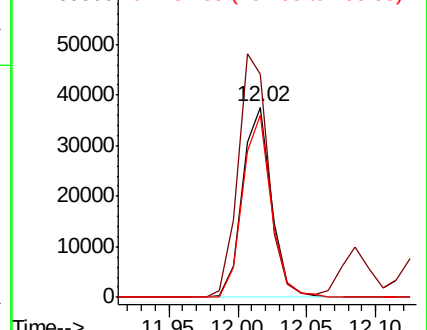
8/21/2018 10:22:58 AM



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: 5.81 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059825.D

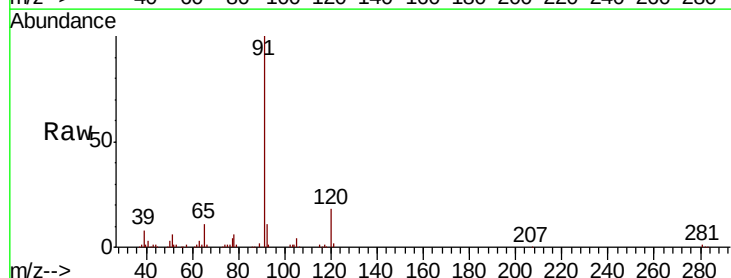
Acq: 20 Aug 2018 12:02

Tgt Ion: 91 Resp: 266373

Ion Ratio Lower Upper

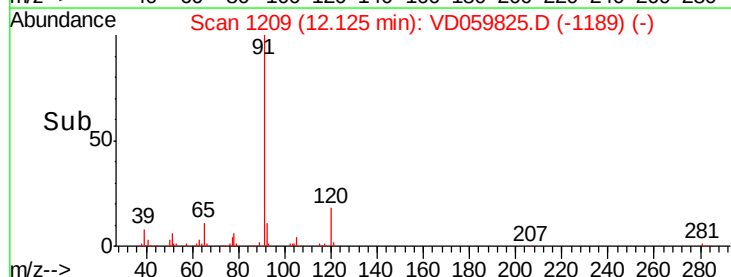
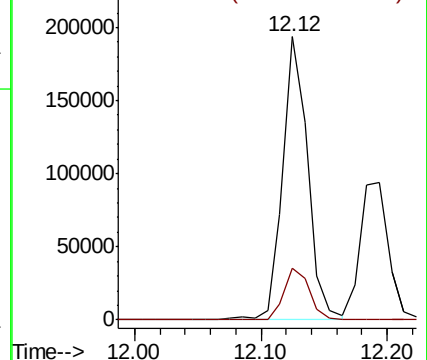
91 100

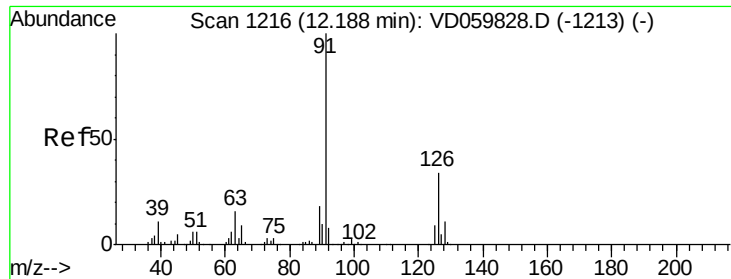
120 18.4 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.63 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 147352

Ion Ratio Lower Upper

91 100

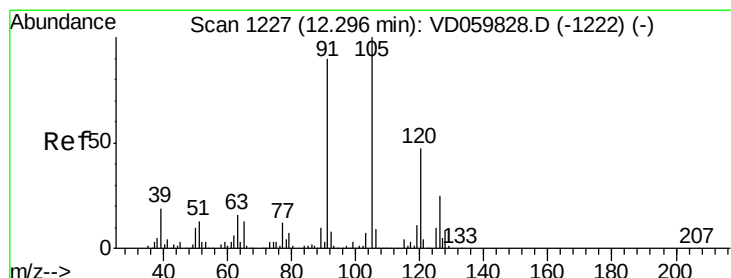
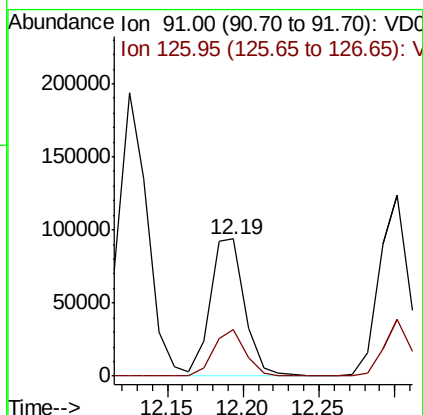
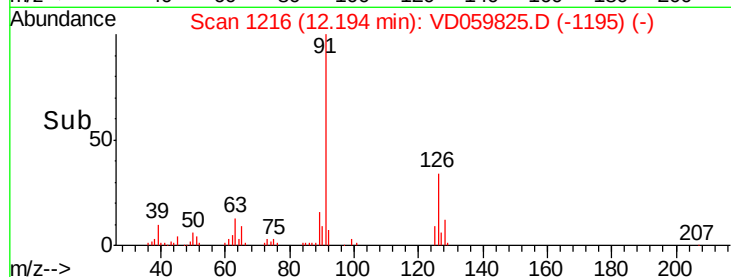
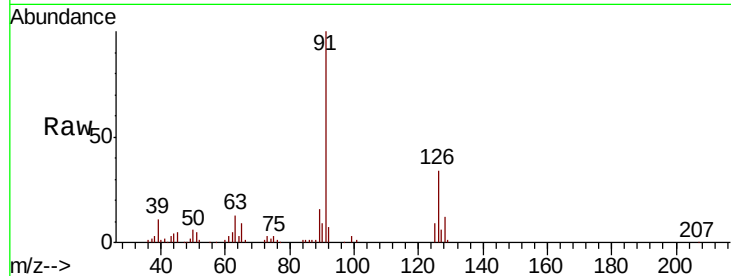
126 34.0 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.94 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059825.D

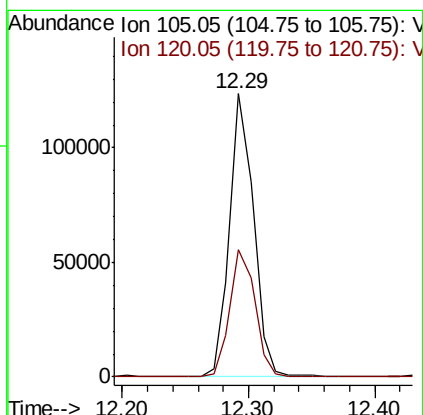
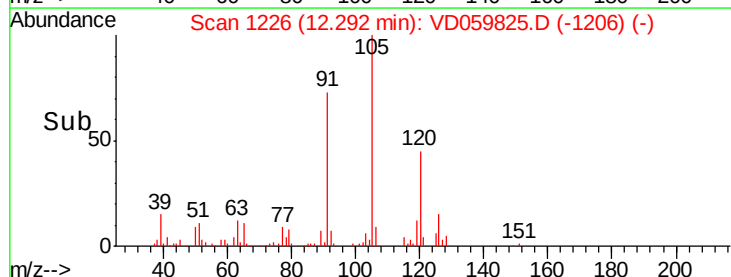
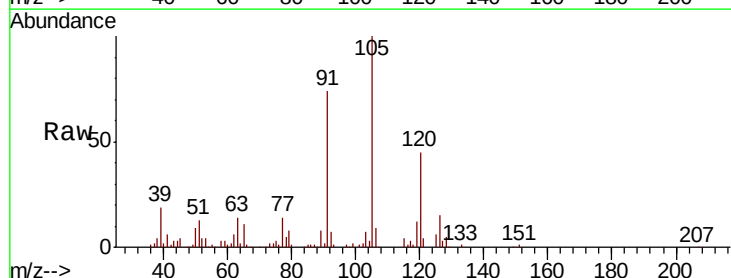
Acq: 20 Aug 2018 12:02

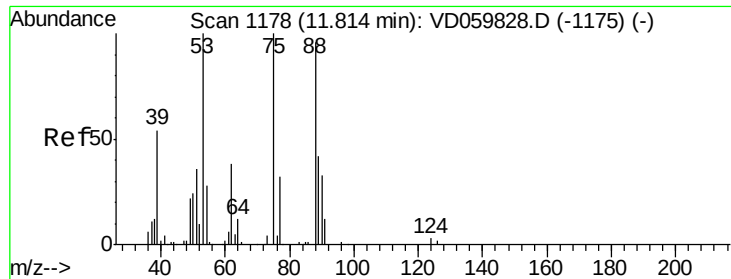
Tgt Ion: 105 Resp: 162604

Ion Ratio Lower Upper

105 100

120 45.0 23.5 70.6





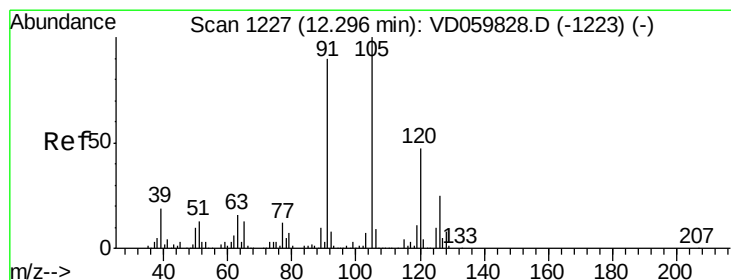
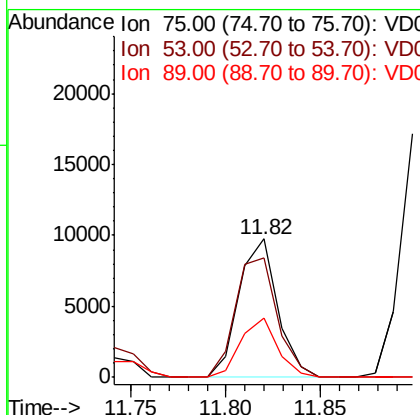
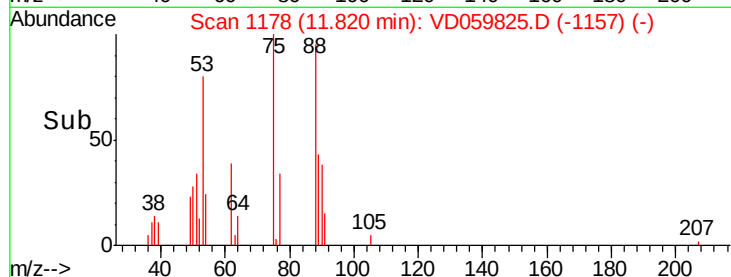
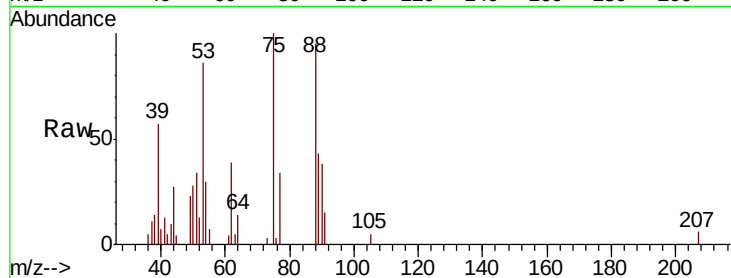
#81
trans-1,4-Dichloro-2-butene
Concen: 5.08 ug/l
RT: 11.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.3	80.7	121.1
89	43.2	33.9	50.9

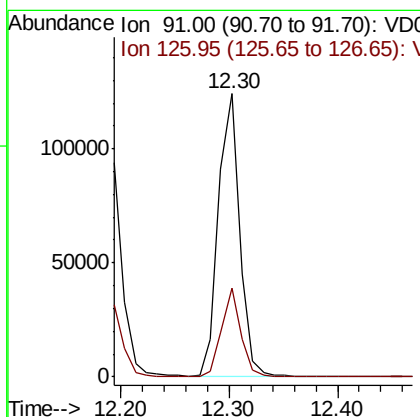
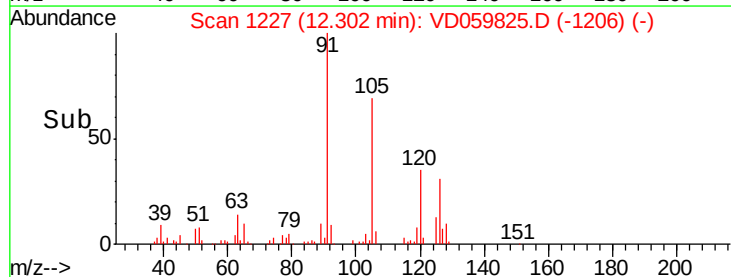
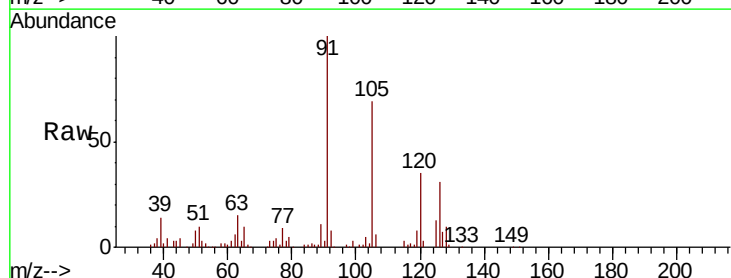
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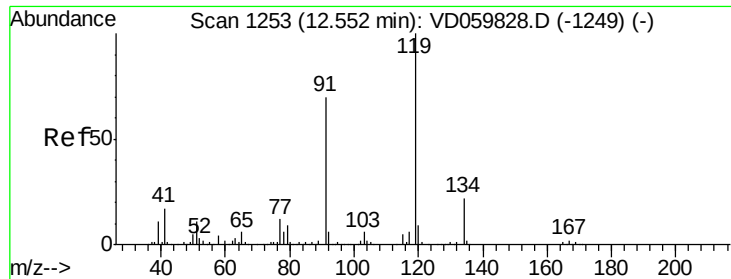
apatel
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#82
4-Chlorotoluene
Concen: 6.29 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VD059825.D
Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	13.7	41.0





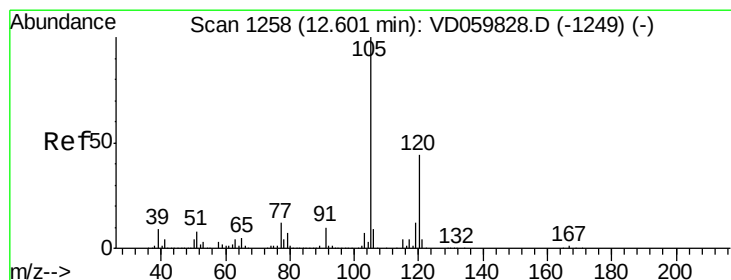
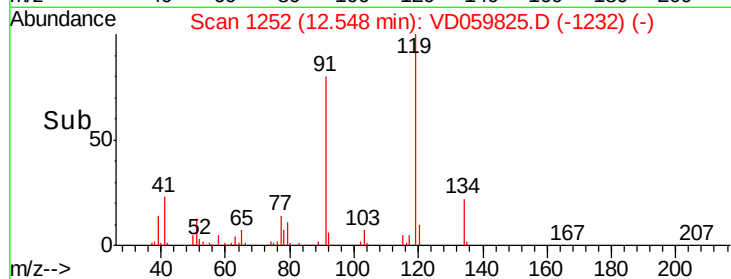
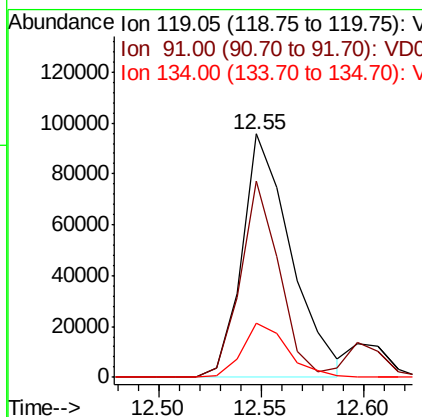
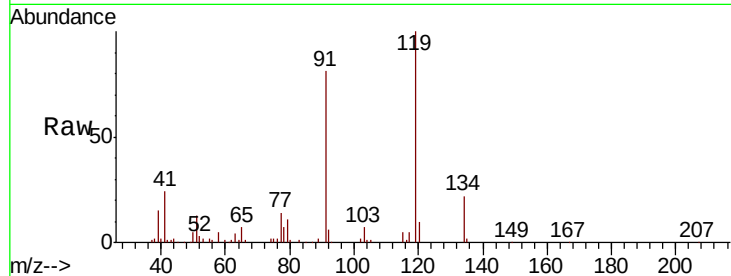
#83
 tert-Butylbenzene
 Concen: 4.95 ug/l m
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159336		
91	80.6	35.1	105.3	
134	22.4	11.0	33.0	

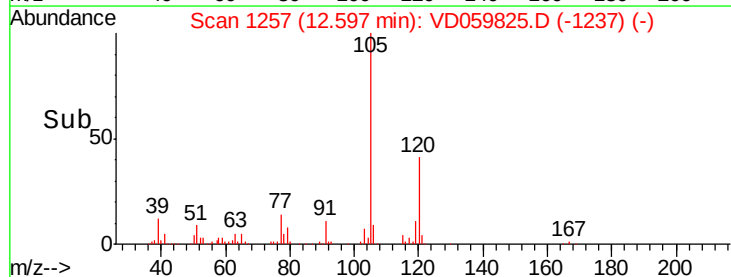
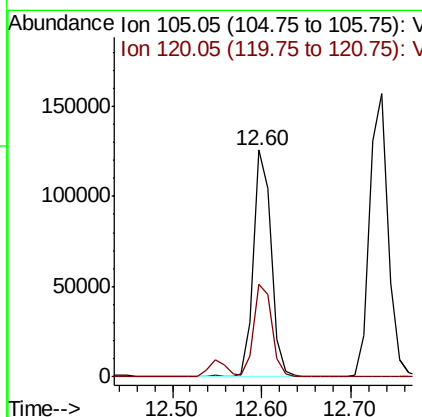
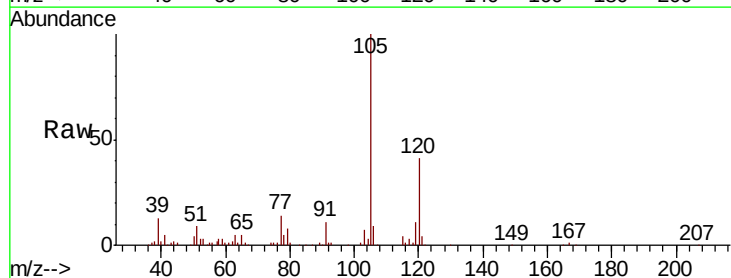
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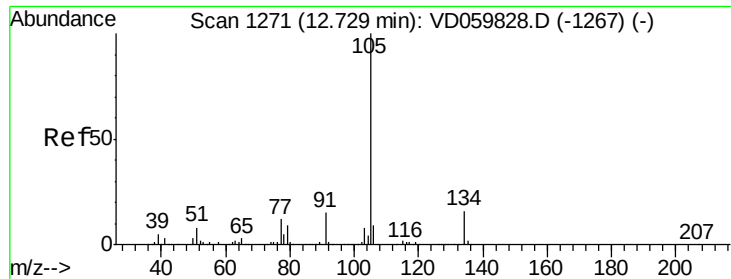
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.67 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	171758		
120	41.1	22.0	66.0	





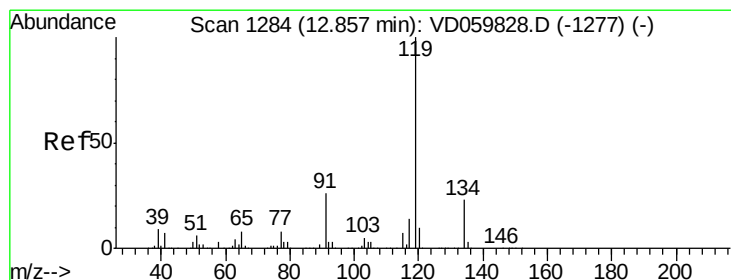
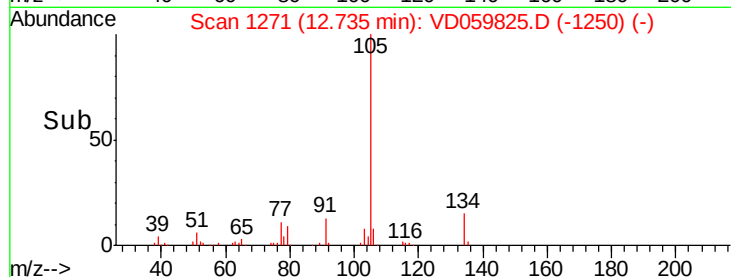
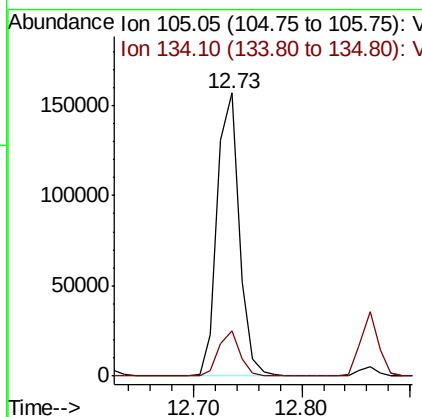
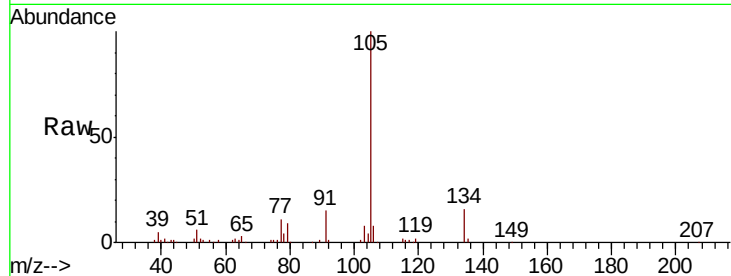
#85
 sec-Butylbenzene
 Concen: 5.79 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	15.9	7.8	23.5

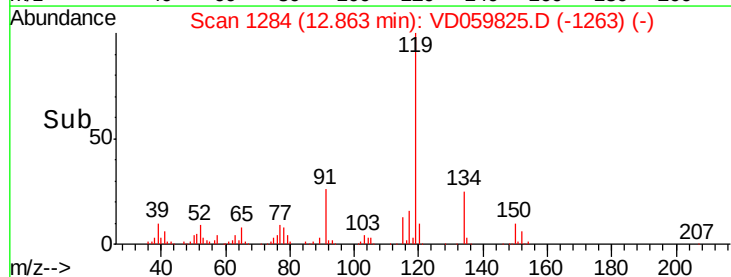
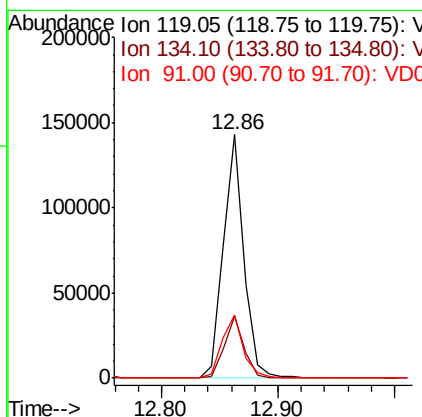
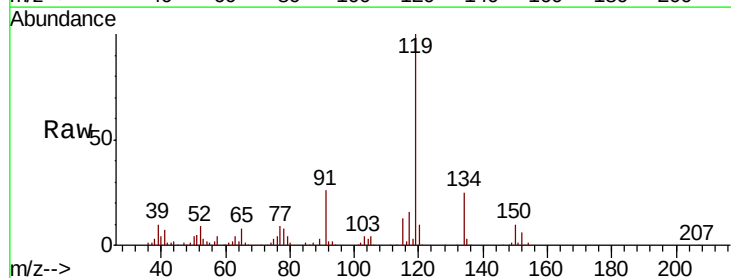
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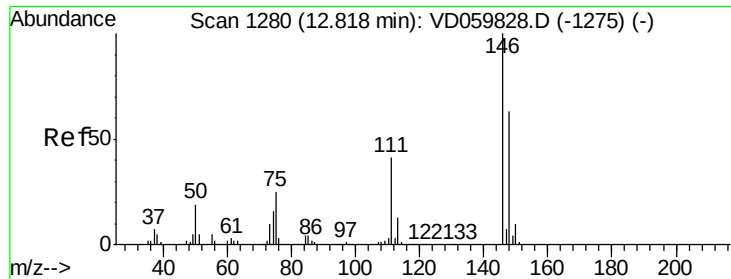
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#86
 p-Isopropyltoluene
 Concen: 5.72 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	11.5	34.5
91	25.8	13.2	39.6





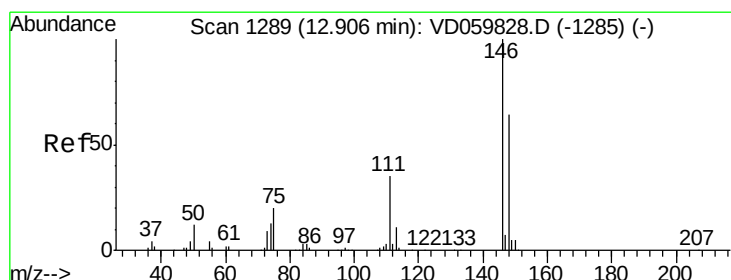
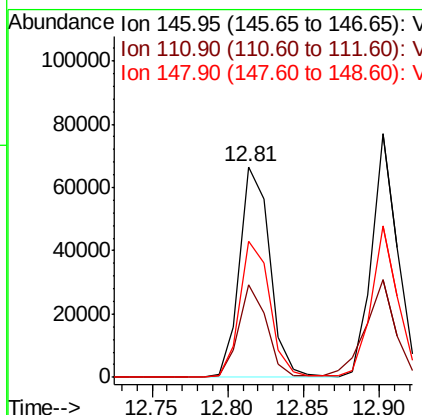
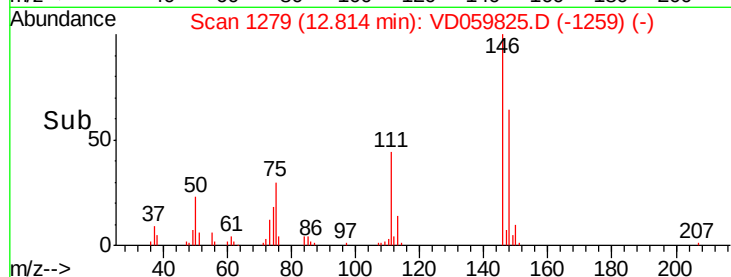
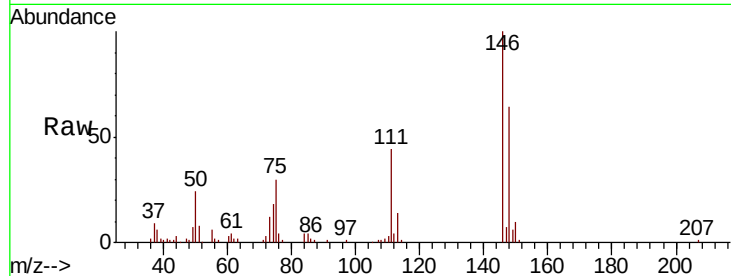
#87
 1,3-Dichlorobenzene
 Concen: 5.40 ug/l
 RT: 12.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.3	60.9
148	64.5	31.6	94.7

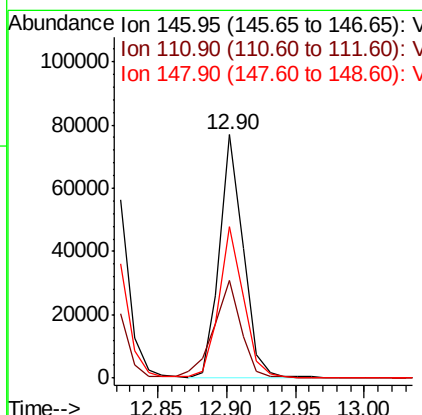
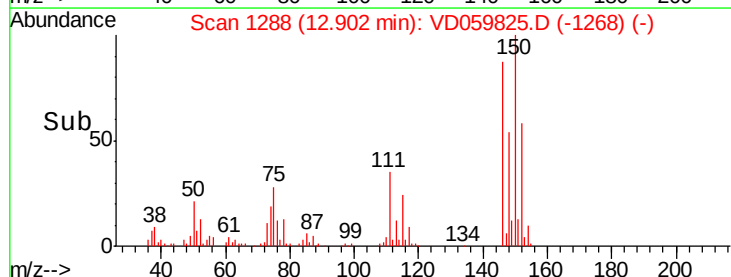
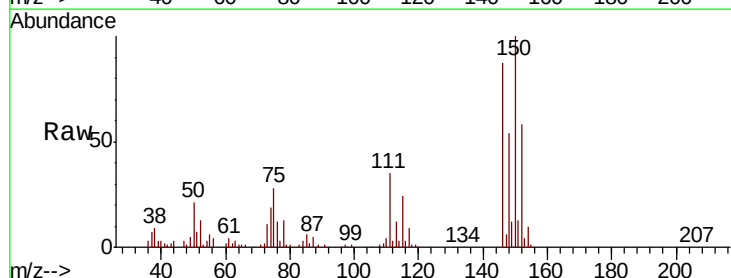
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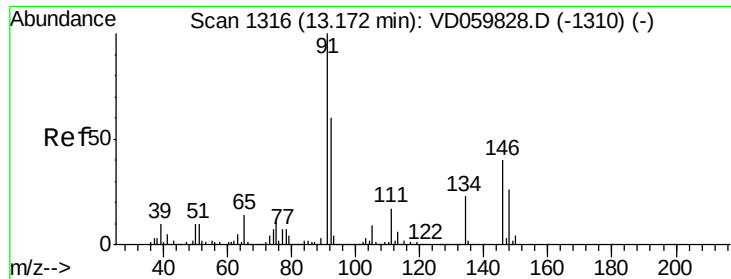
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#88
 1,4-Dichlorobenzene
 Concen: 5.36 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	17.8	53.3
148	62.4	31.9	95.9





#89

n-Butylbenzene

Concen: 6.40 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

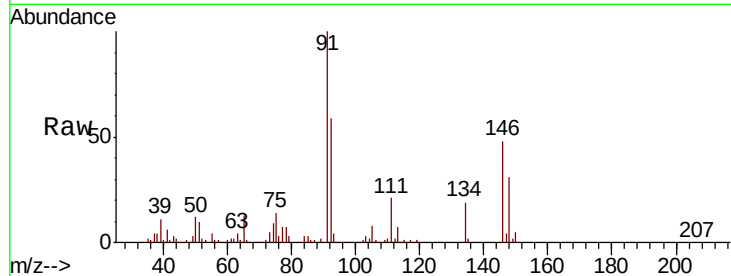
ClientSampleId :

VSTDIC005

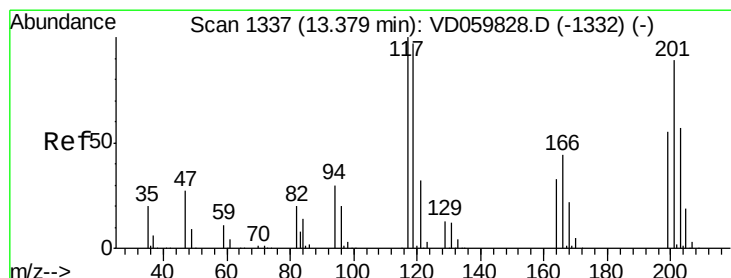
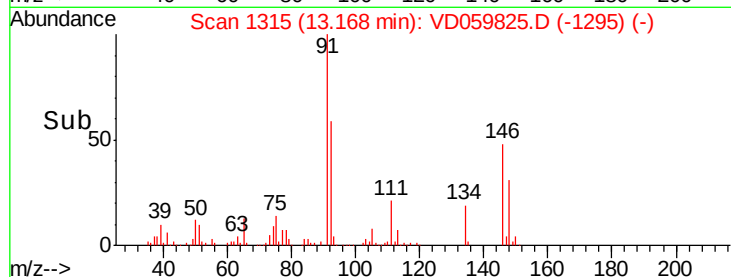
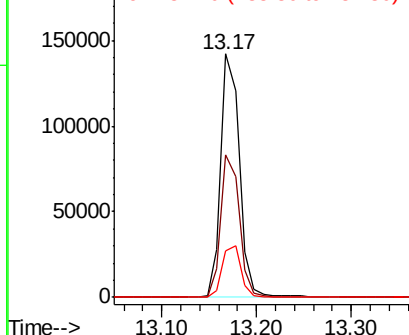
Tot Ion:	91	Resp:	194485
Ion Ratio	Lower	Upper	
91	100		
92	58.7	29.8	89.5
134	19.1	11.5	34.4

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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 5.30 ug/l

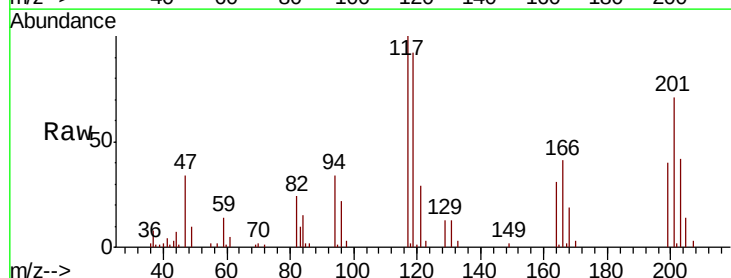
RT: 13.37 min Scan# 1336

Delta R.T. -0.00 min

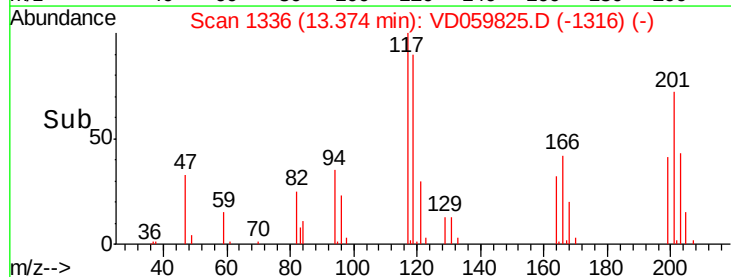
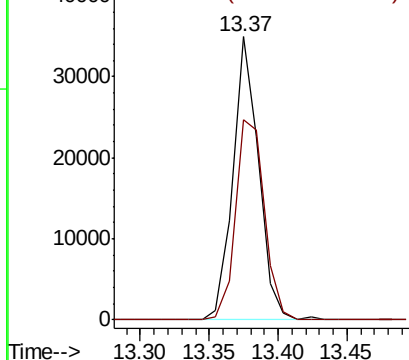
Lab File: VD059825.D

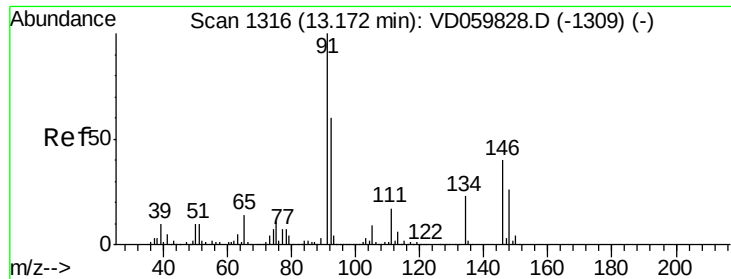
Acq: 20 Aug 2018 12:02

Tgt Ion:	117	Resp:	45355
Ion Ratio	Lower	Upper	
117	100		
201	70.5	44.6	134.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





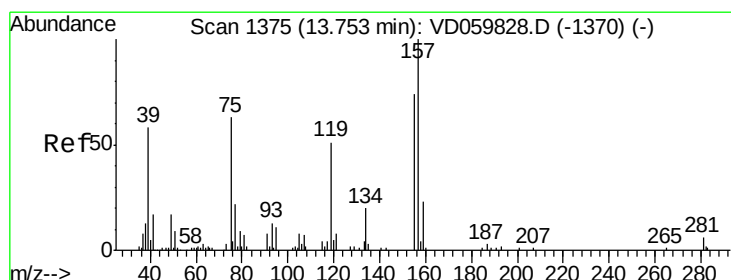
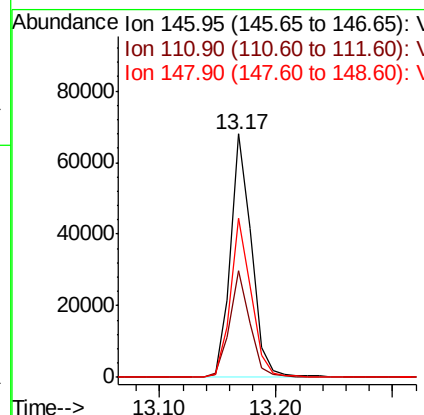
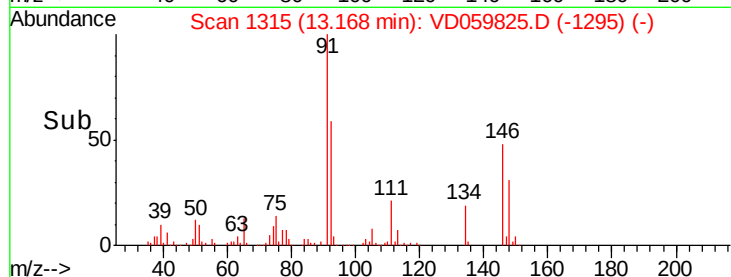
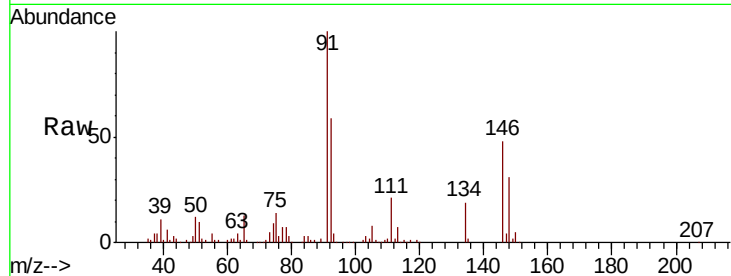
#91
 1,2-Dichlorobenzene
 Concen: 6.11 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	65.2	31.6	94.8

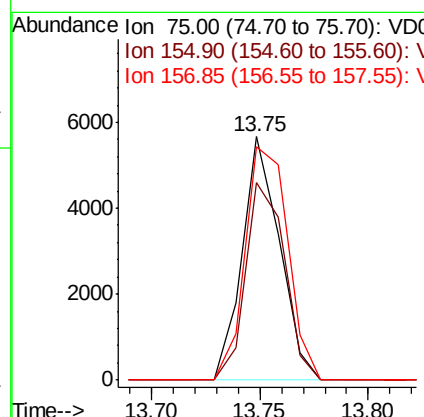
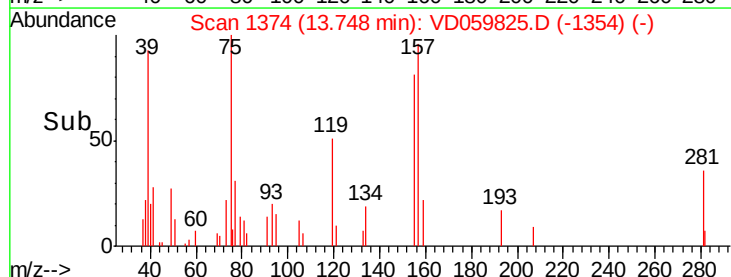
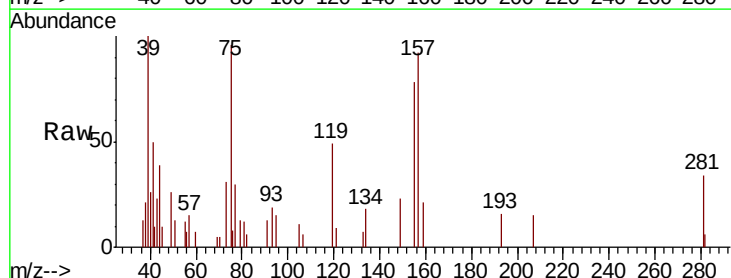
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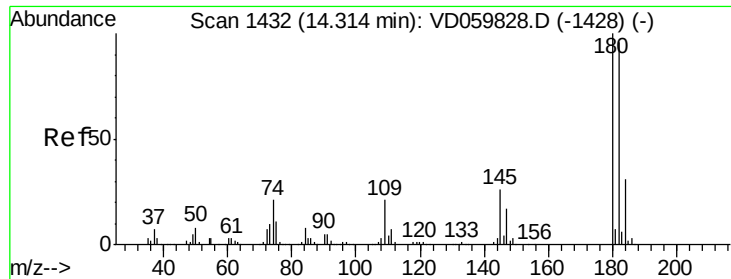
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.47 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	59.1	177.3
157	95.9	79.7	238.9





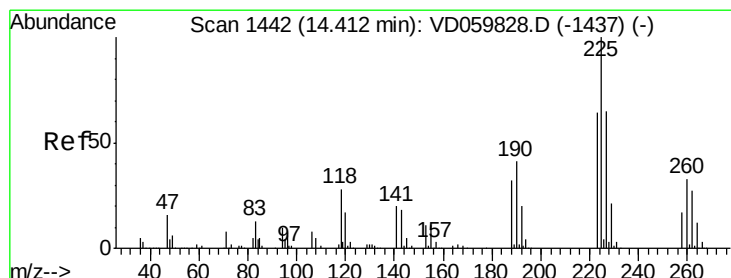
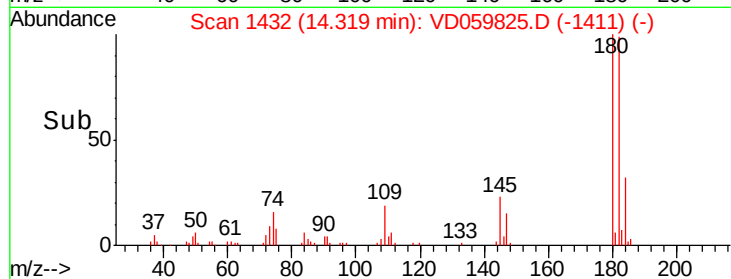
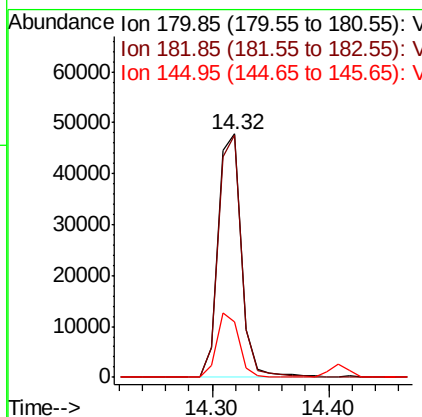
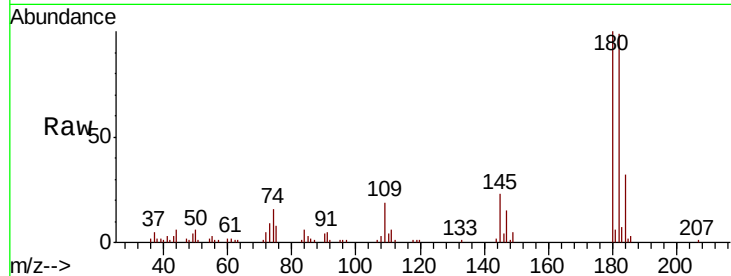
#93
 1,2,4-Trichlorobenzene
 Concen: 5.33 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.0	144.0
145	22.9	13.1	39.1

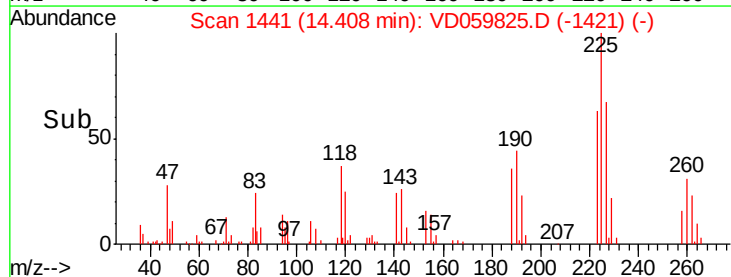
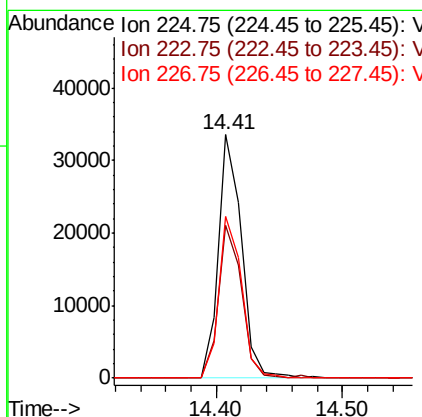
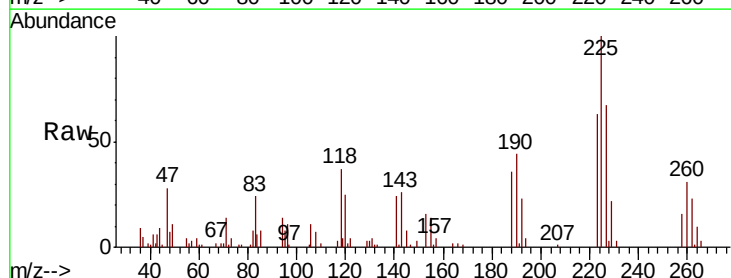
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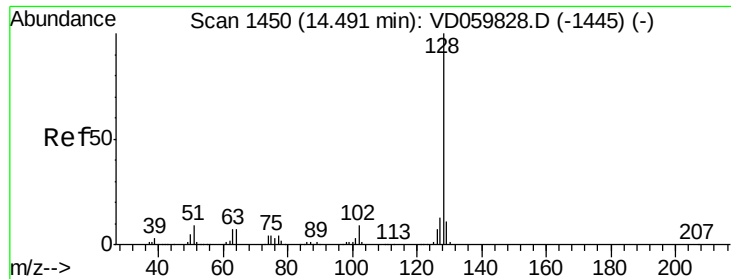
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#94
 Hexachlorobutadiene
 Concen: 5.19 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059825.D
 Acq: 20 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.4
227	66.6	32.8	98.3





#95

Naphthalene

Concen: 5.14 ug/l

RT: 14.49 min Scan# 1449

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Instrument :

MSVOA_D

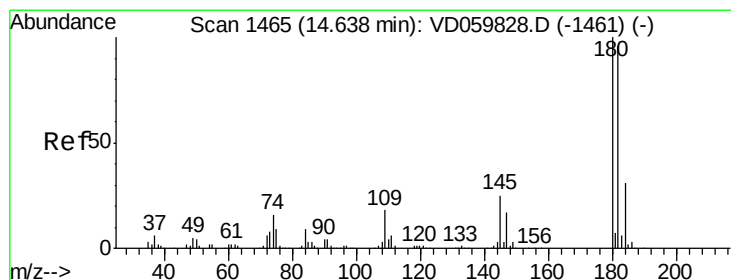
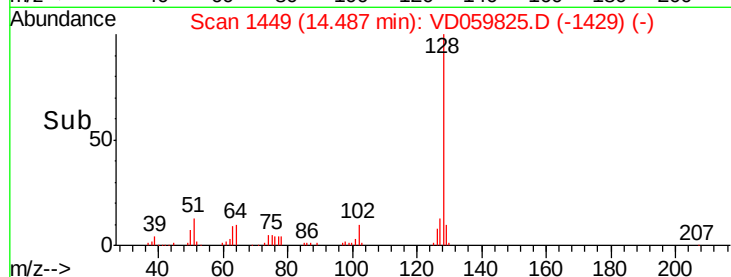
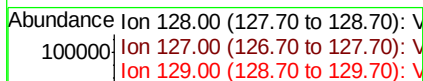
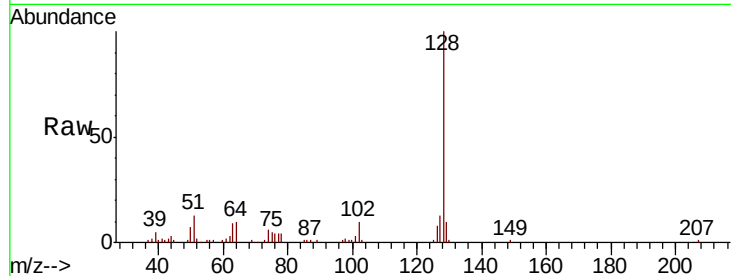
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	101838
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.3	8.7	13.1

Manual Integrations
APPROVED

apatel
8/21/2018 10:22:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.14 ug/l

RT: 14.63 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VD059825.D

Acq: 20 Aug 2018 12:02

Tgt Ion:	180	Resp:	55393
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.8	143.4
145	28.1	12.7	38.0

