

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060654.D
 Acq On : 20 Dec 2018 11:26
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:25 AM

Quant Time: Dec 20 14:57:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1508852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2069590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1715160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	875966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	107119	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
35) Dibromofluoromethane	6.33	113	151599	10.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.30%	
50) Toluene-d8	9.45	98	450083	10.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.00%	
62) 4-Bromofluorobenzene	12.42	95	160249	10.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	191072	8.780	ug/l	99
3) Chloromethane	1.77	50	181340	10.143	ug/l	95
4) Vinyl Chloride	1.87	62	142810	9.729	ug/l	95
5) Bromomethane	2.17	94	35452	9.288	ug/l	96
6) Chloroethane	2.27	64	45212	9.278	ug/l #	88
7) Trichlorofluoromethane	2.52	101	161821	9.555	ug/l	100
8) Diethyl Ether	2.84	74	27133	9.853	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.10	101	106244	10.116	ug/l	97
10) Methyl Iodide	3.26	142	101760	8.460	ug/l #	88
11) Tert butyl alcohol	3.98	59	24023	51.645	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	88617	10.447	ug/l	92
13) Acrolein	2.99	56	26269	64.562	ug/l	97
14) Allyl chloride	3.54	41	162118	10.051	ug/l	97
15) Acrylonitrile	4.10	53	135222	51.303	ug/l	97
16) Acetone	3.17	43	100481	52.239	ug/l	99
17) Carbon Disulfide	3.33	76	277121	9.762	ug/l	97
18) Methyl Acetate	3.56	43	48316	10.047	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	221552	9.728	ug/l	96
20) Methylene Chloride	3.73	84	217957	12.660	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	178134	9.941	ug/l	97
22) Diisopropyl ether	4.86	45	546299	9.984	ug/l	97
23) Vinyl Acetate	4.81	43	1335571	49.695	ug/l	99
24) 1,1-Dichloroethane	4.76	63	281931	9.834	ug/l	99
25) 2-Butanone	5.62	43	184625	48.508	ug/l	100
26) 2,2-Dichloropropane	5.59	77	230447	10.088	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	184005	10.019	ug/l	99
28) Bromochloromethane	5.93	49	116862	9.790	ug/l	98
29) Tetrahydrofuran	5.96	42	104021	49.793	ug/l	97
30) Chloroform	6.10	83	293262	10.124	ug/l	97
31) Cyclohexane	6.37	56	280808	10.157	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	233307	9.698	ug/l	97
36) 1,1-Dichloropropene	6.53	75	232429	10.520	ug/l	96
37) Ethyl Acetate	5.70	43	96395	10.570	ug/l	95
38) Carbon Tetrachloride	6.51	117	195267	9.796	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	251536	9.706	ug/l	100
40) Benzene	6.79	78	596092	10.398	ug/l	99
41) Methacrylonitrile	5.93	41	51981m	9.618	ug/l	
42) 1,2-Dichloroethane	6.90	62	141904	9.959	ug/l	97
43) Isopropyl Acetate	8.35	43	114684	9.259	ug/l #	95
44) Trichloroethene	7.74	130	170037	9.912	ug/l	95
45) 1,2-Dichloropropane	8.10	63	143982	10.341	ug/l	98
46) Dibromomethane	8.22	93	82413	10.205	ug/l	93
47) Bromodichloromethane	8.48	83	184449	9.447	ug/l	97
48) Methyl methacrylate	8.25	41	72912	9.671	ug/l	93
49) 1,4-Dioxane	8.22	88	13169	186.549	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	371484	48.904	ug/l	98
52) Toluene	9.55	92	371862	10.213	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	158492	9.561	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	200768	9.265	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	98379	10.189	ug/l	96
56) Ethyl methacrylate	10.03	69	84870	8.593	ug/l	99
57) 1,3-Dichloropropane	10.38	76	154213	10.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	281105	53.940	ug/l	95
59) 2-Hexanone	10.48	43	257608	47.729	ug/l	95
60) Dibromochloromethane	10.64	129	119758	9.148	ug/l	98
61) 1,2-Dibromoethane	10.76	107	99112	9.543	ug/l	97
64) Tetrachloroethene	10.25	164	156052	9.409	ug/l	98
65) Chlorobenzene	11.31	112	386705	9.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	130326	9.868	ug/l	98
67) Ethyl Benzene	11.43	91	711067	10.270	ug/l	98
68) m/p-Xylenes	11.56	106	501938	19.962	ug/l	97
69) o-Xylene	11.93	106	228948	9.392	ug/l	84
70) Styrene	11.95	104	380395	9.671	ug/l	95
71) Bromoform	12.12	173	76539	8.606	ug/l	96
73) Isopropylbenzene	12.27	105	644486	9.609	ug/l	100
74) N-amyl acetate	12.14	43	148347	9.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	104085	9.362	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	101592	9.413	ug/l	99
77) Bromobenzene	12.54	156	171675	9.605	ug/l	96
78) n-propylbenzene	12.64	91	852253	9.973	ug/l	99
79) 2-Chlorotoluene	12.71	91	454039	9.799	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	521173	10.098	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	26778	8.543	ug/l	98
82) 4-Chlorotoluene	12.80	91	540417	10.636	ug/l	100
83) tert-Butylbenzene	13.04	119	581000	9.877	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	528310	9.854	ug/l	99
85) sec-Butylbenzene	13.22	105	697894	9.531	ug/l	99
86) p-Isopropyltoluene	13.34	119	584129	10.203	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	320124	9.852	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	320151	9.984	ug/l	97
89) n-Butylbenzene	13.64	91	614375	10.505	ug/l	97
90) Hexachloroethane	13.86	117	132954	9.139	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	275643	10.683	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	11420	8.694	ug/l	84

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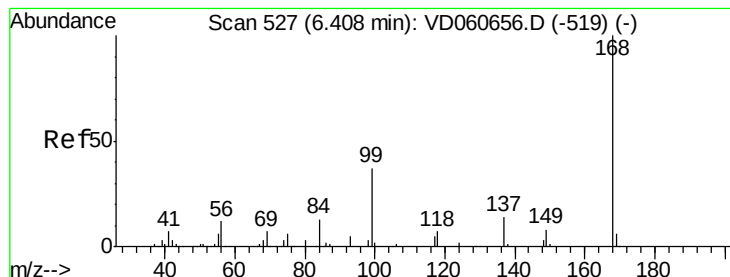
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	201179	9.414	ug/l	98
94) Hexachlorobutadiene	14.88	225	147299	9.576	ug/l	98
95) Naphthalene	14.97	128	221256	8.504	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	155623	9.253	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 598

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:168 Resp: 1508852

Ion Ratio Lower Upper

168 100

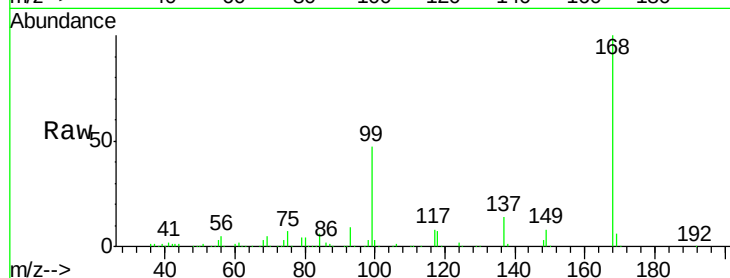
99 47.4 38.7 58.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

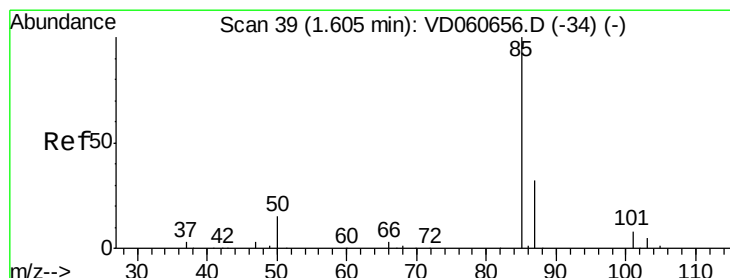
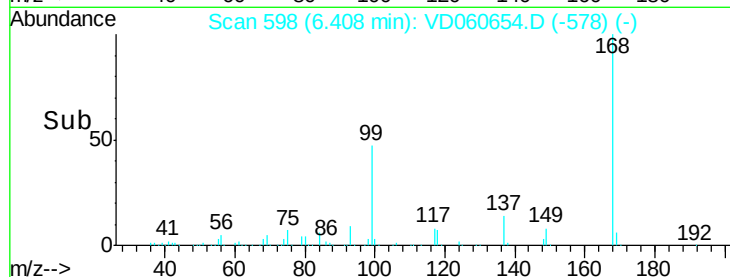
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 8.780 ug/l

RT: 1.61 min Scan# 110

Delta R.T. 0.00 min

Lab File: VD060654.D

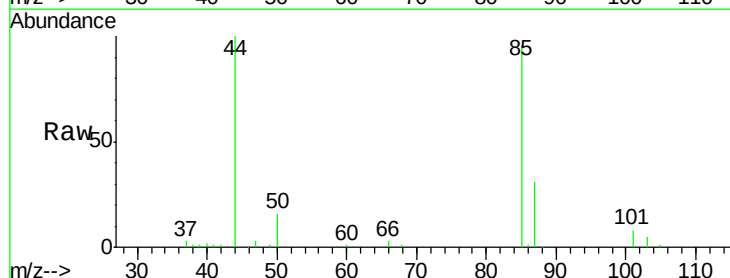
Acq: 20 Dec 2018 11:26

Tgt Ion: 85 Resp: 191072

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

80000

60000

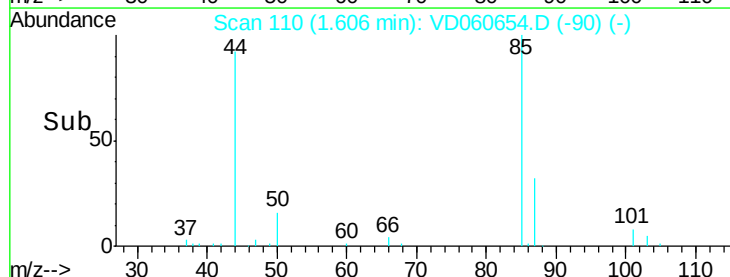
40000

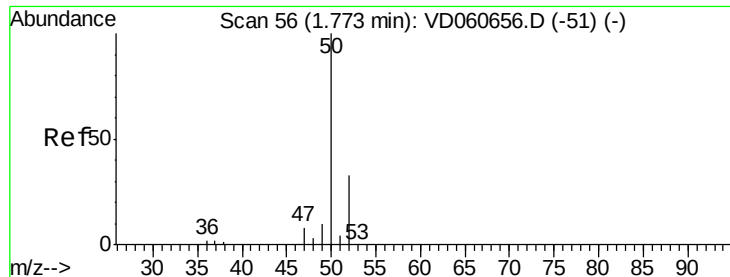
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 10.143 ug/l

RT: 1.77 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 181340

Ion Ratio Lower Upper

50 100

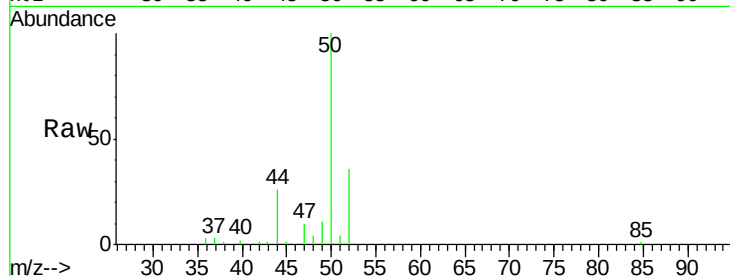
52 35.9 26.6 39.8

Manual Integrations

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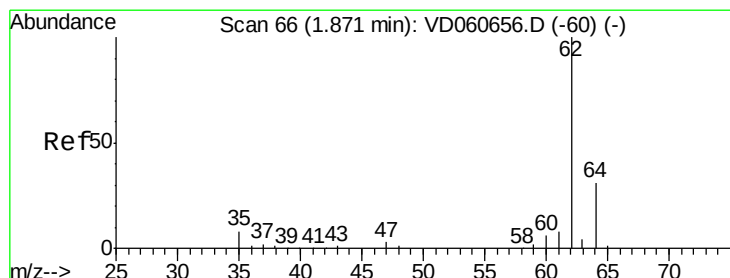
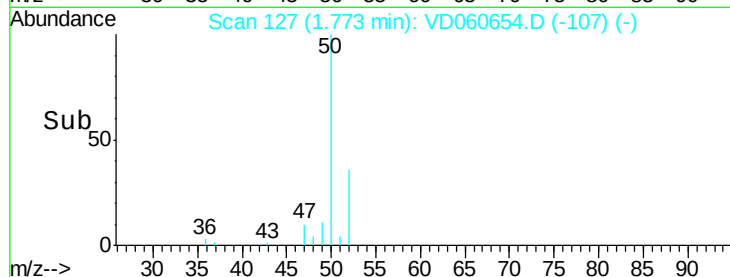
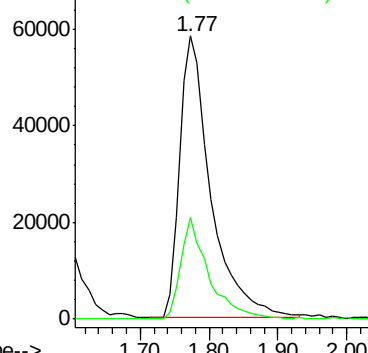
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.729 ug/l

RT: 1.87 min Scan# 137

Delta R.T. 0.00 min

Lab File: VD060654.D

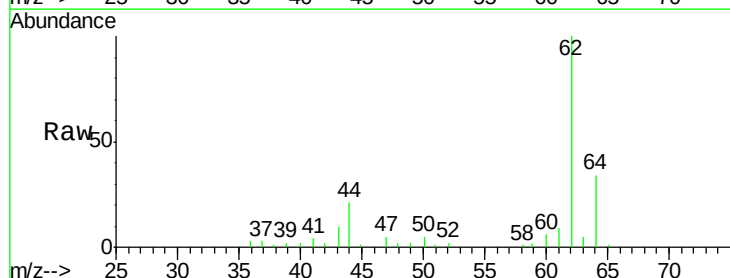
Acq: 20 Dec 2018 11:26

Tgt Ion: 62 Resp: 142810

Ion Ratio Lower Upper

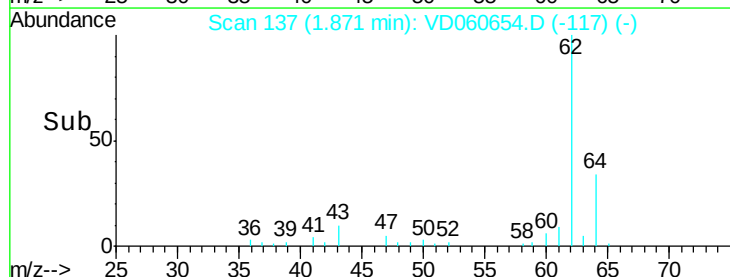
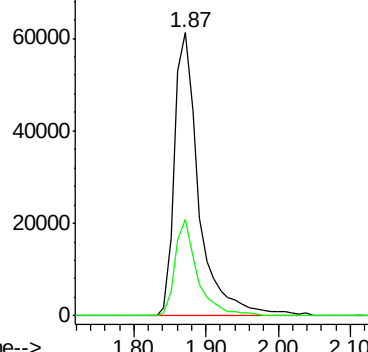
62 100

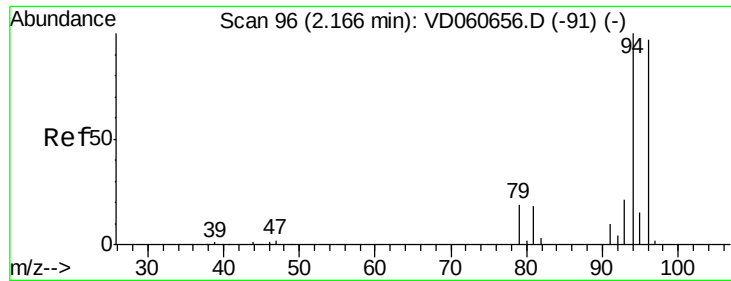
64 34.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.288 ug/l

RT: 2.17 min Scan# 167

Delta R.T. 0.00 min

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Acq: 20 Dec 2018 11:26

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Tgt Ion: 94 Resp: 35452

Ion Ratio Lower Upper

94 100

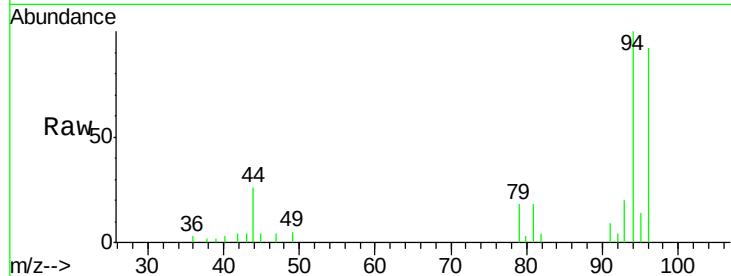
96 92.2 77.2 115.8

Manual Integrations

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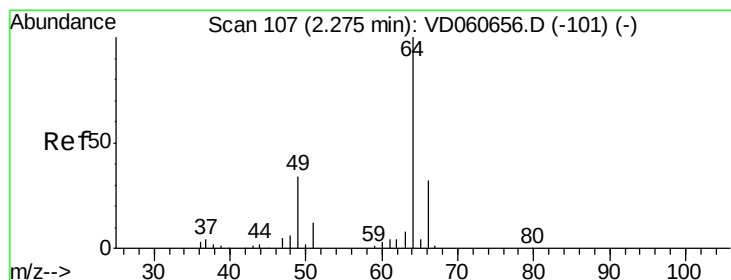
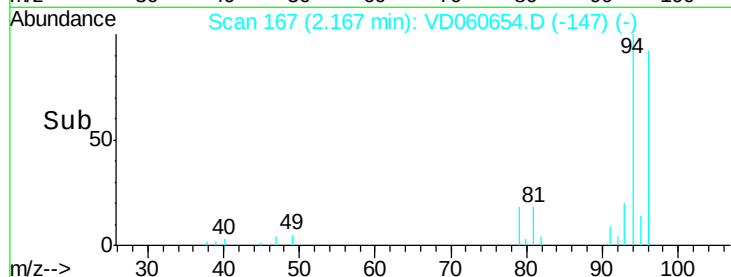
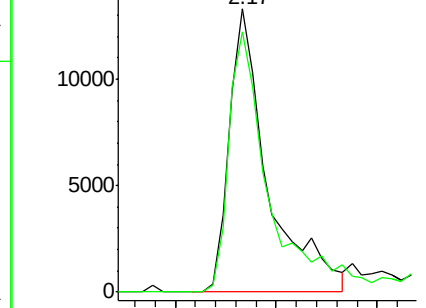
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 9.278 ug/l

RT: 2.27 min Scan# 178

Delta R.T. 0.00 min

Lab File: VD060654.D

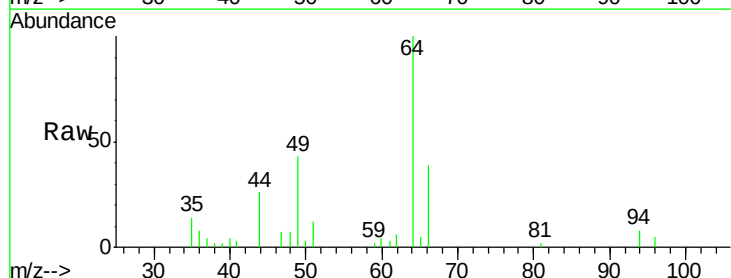
Acq: 20 Dec 2018 11:26

Tgt Ion: 64 Resp: 45212

Ion Ratio Lower Upper

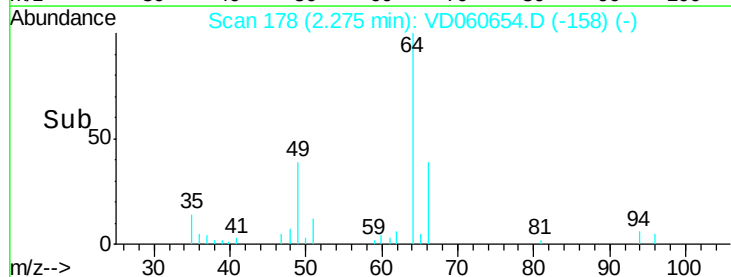
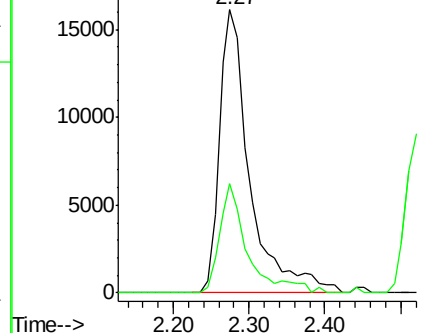
64 100

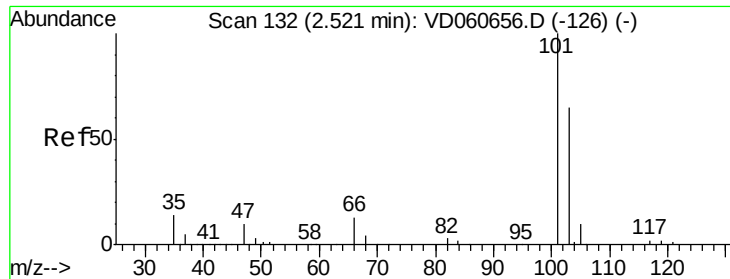
66 38.6 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 9.555 ug/l

RT: 2.52 min Scan# 203

Delta R.T. 0.00 min

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Acq: 20 Dec 2018 11:26

Instrument :

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Tgt Ion: 101 Resp: 161821

Ion Ratio Lower Upper

101 100

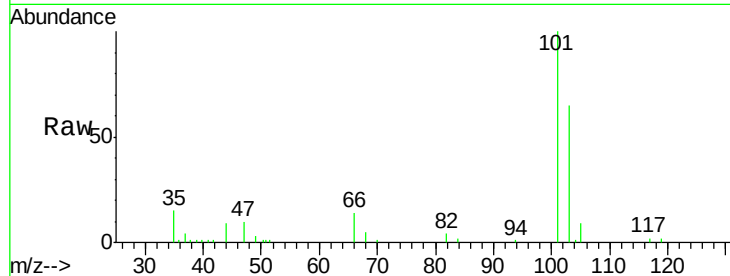
103 65.0 51.9 77.9

Manual Integrations

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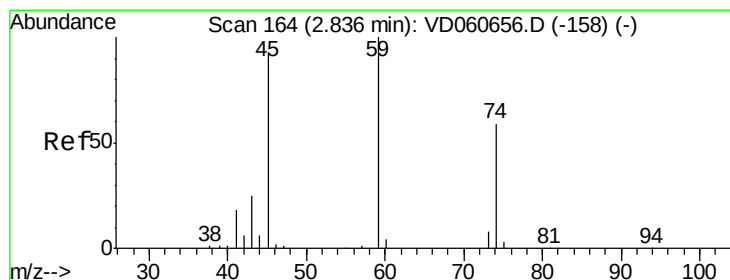
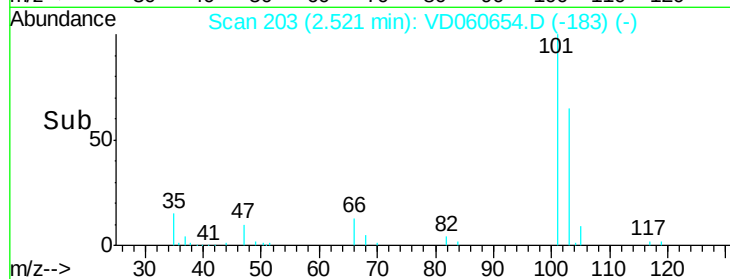
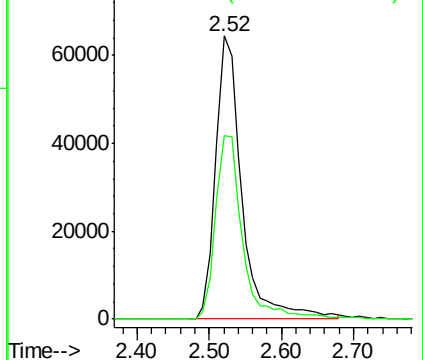
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 9.853 ug/l

RT: 2.84 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD060654.D

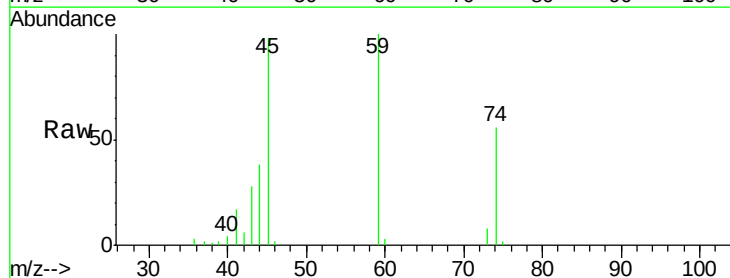
Acq: 20 Dec 2018 11:26

Tgt Ion: 74 Resp: 27133

Ion Ratio Lower Upper

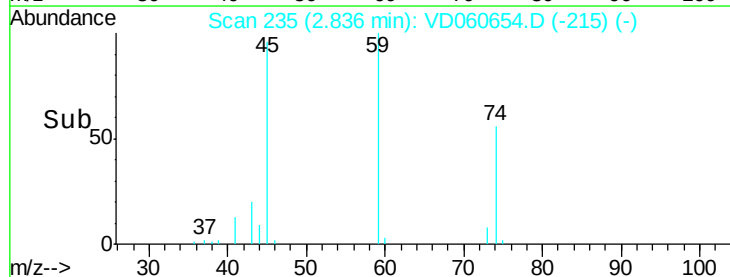
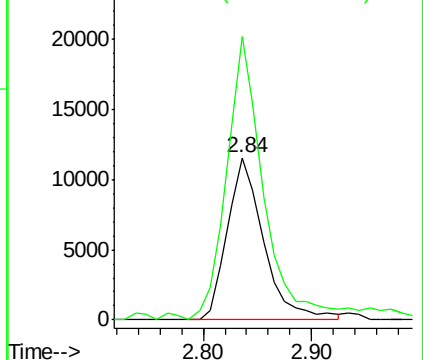
74 100

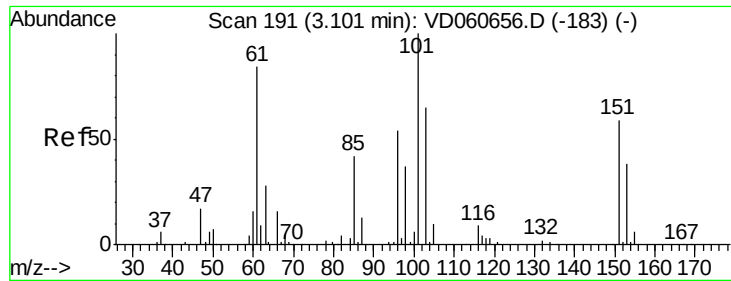
45 174.7 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.116 ug/l

RT: 3.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060654.D

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MSVOA_D

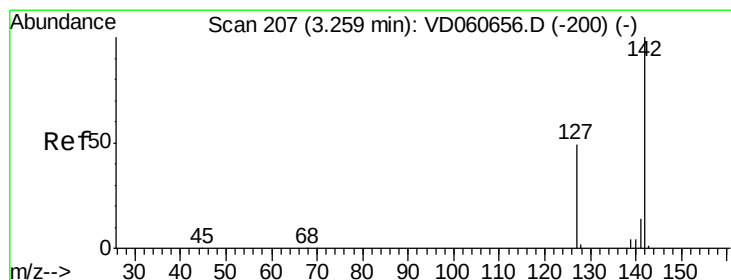
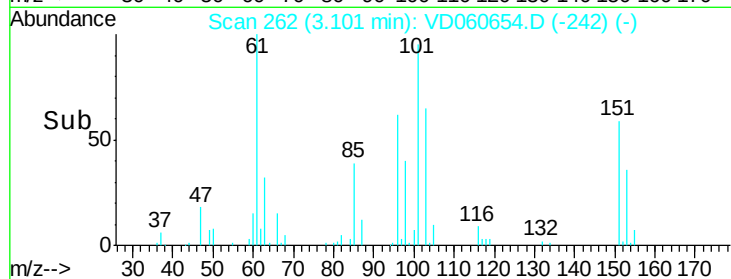
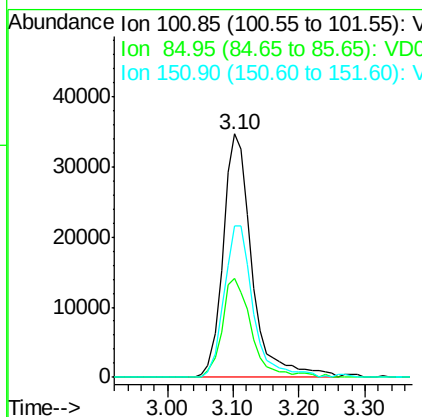
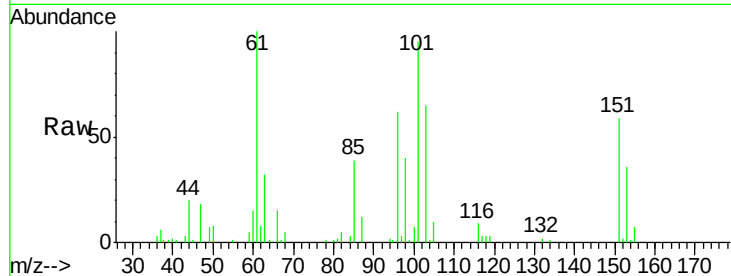
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	106244
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.0
151	62.2	47.5	71.3

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#10

Methyl Iodide

Concen: 8.460 ug/l

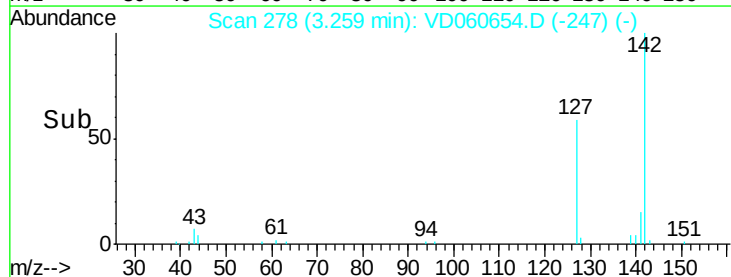
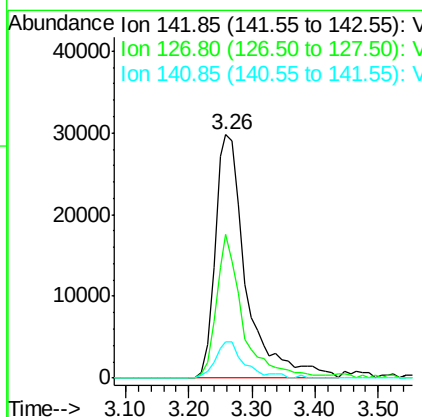
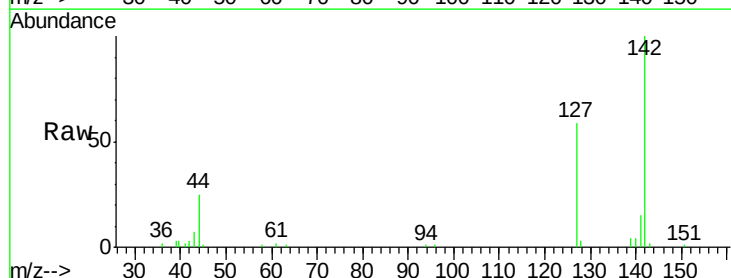
RT: 3.26 min Scan# 278

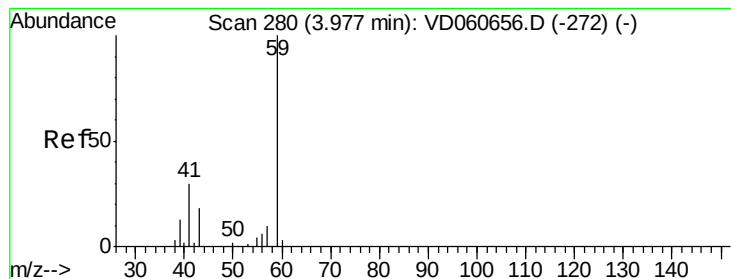
Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion:	142	Resp:	101760
Ion Ratio	Lower	Upper	
142	100		
127	59.3	39.5	59.3#
141	14.7	11.3	16.9





#11

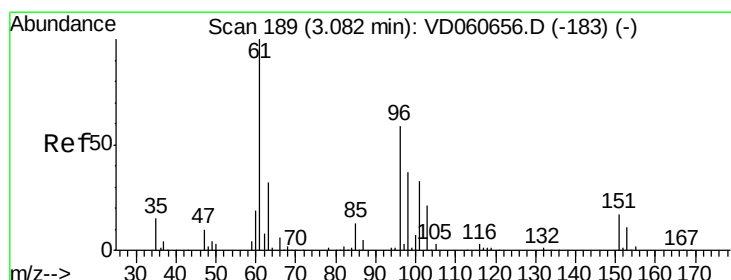
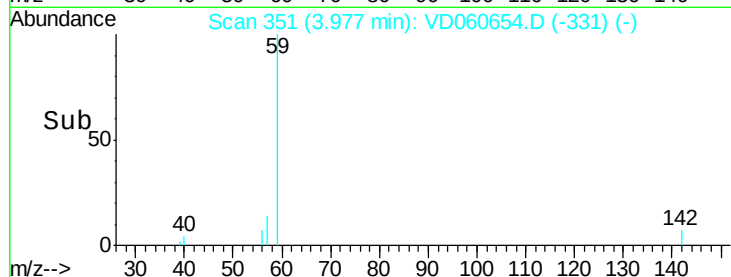
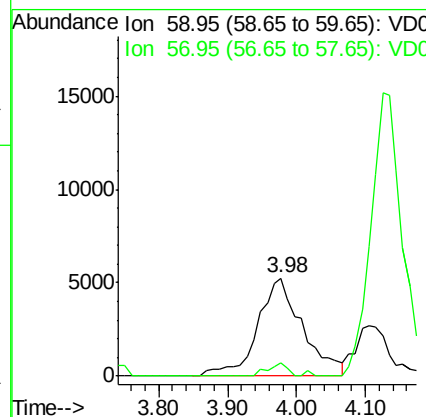
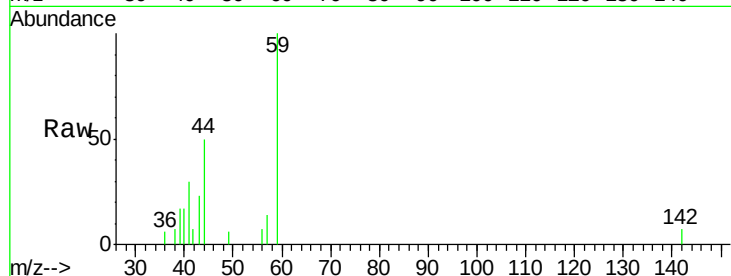
Tert butyl alcohol
Concen: 51.645 ug/l
RT: 3.98 min Scan# 351
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 24023
Ion Ratio Lower Upper
59 100
57 13.5 7.8 11.6#

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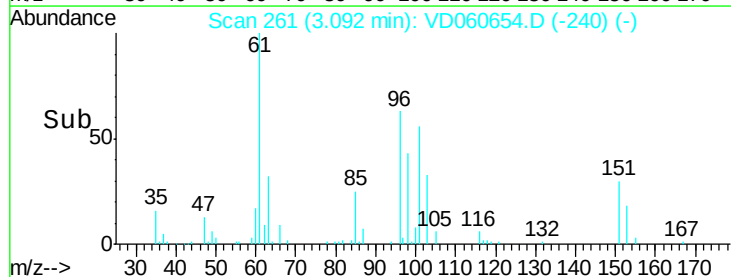
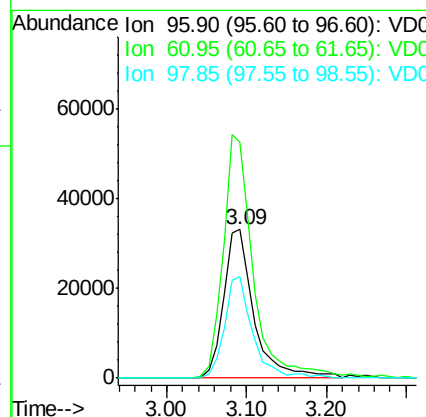
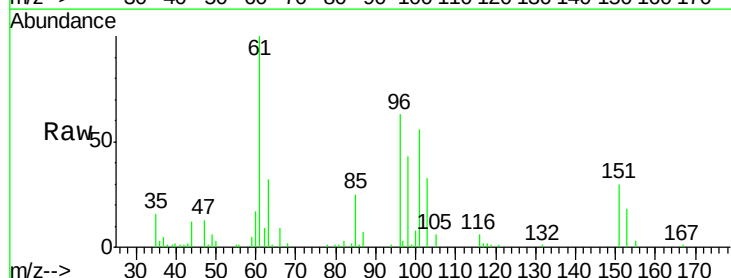
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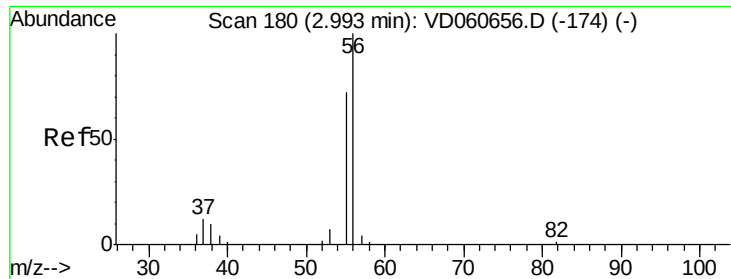


#12

1,1-Dichloroethene
Concen: 10.447 ug/l
RT: 3.09 min Scan# 261
Delta R.T. 0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 96 Resp: 88617
Ion Ratio Lower Upper
96 100
61 158.5 136.2 204.4
98 68.6 50.7 76.1





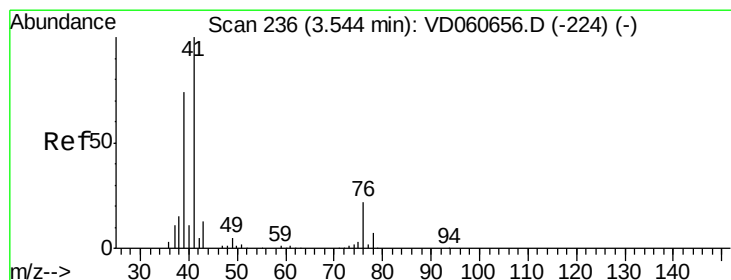
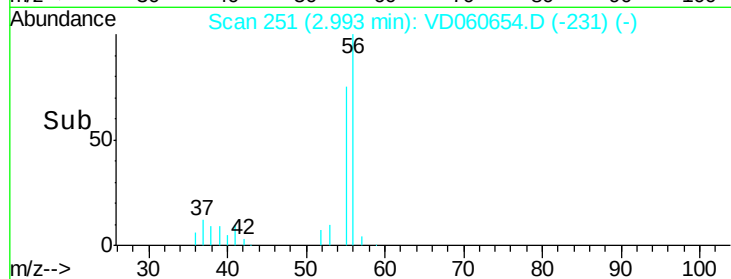
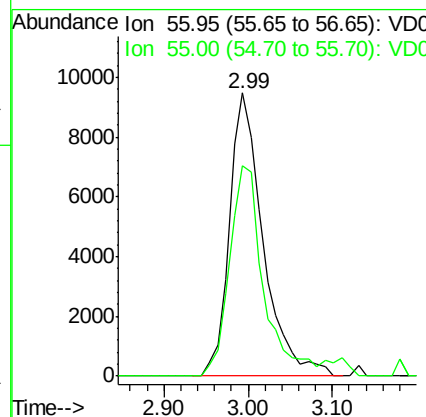
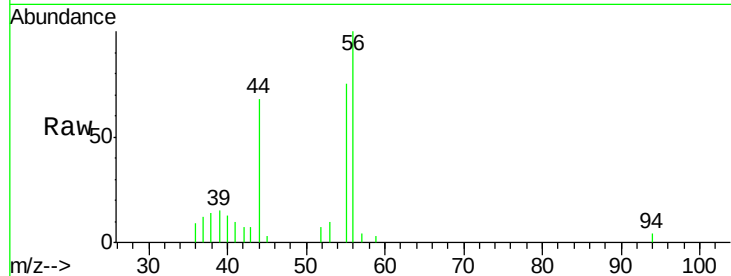
#13
Acrolein
Concen: 64.562 ug/l
RT: 2.99 min Scan# 251
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 26269
Ion Ratio Lower Upper
56 100
55 74.6 57.7 86.5

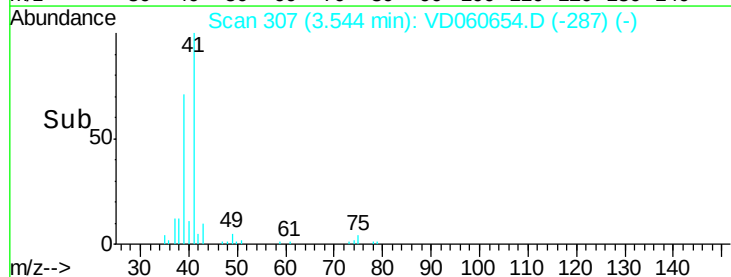
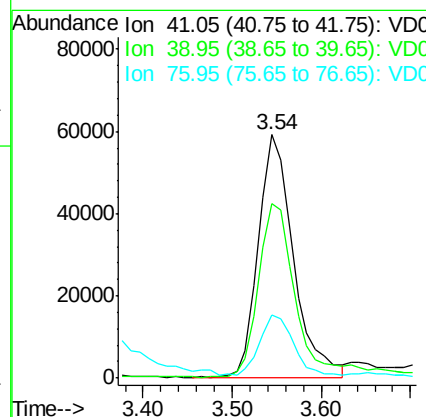
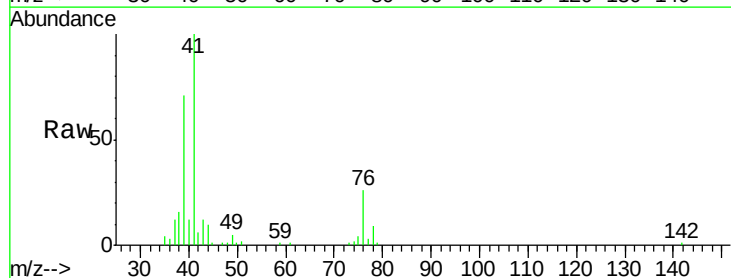
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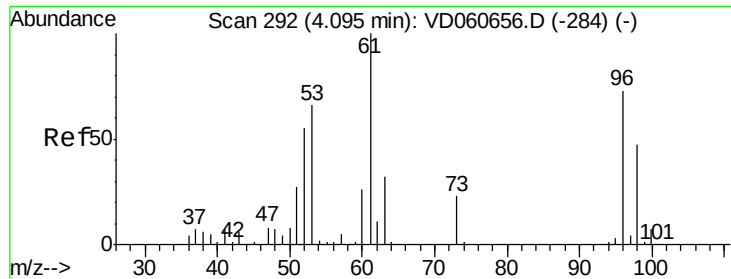
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#14
Allyl chloride
Concen: 10.051 ug/l
RT: 3.54 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 41 Resp: 162118
Ion Ratio Lower Upper
41 100
39 71.4 59.6 89.4
76 26.0 21.8 32.6





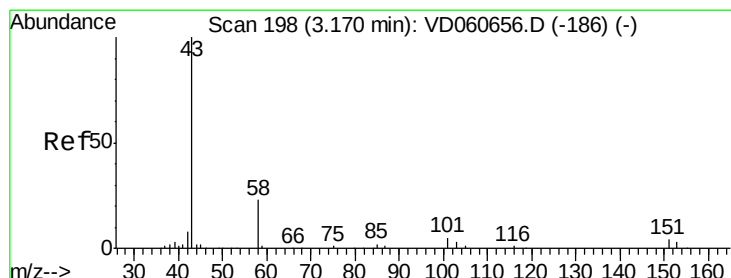
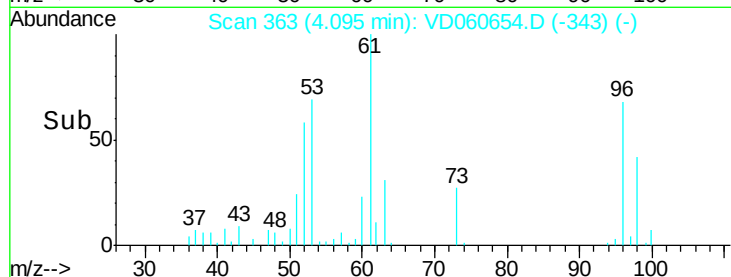
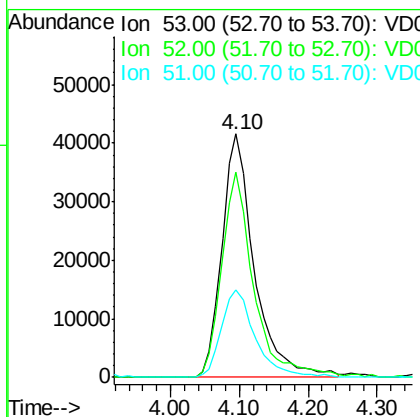
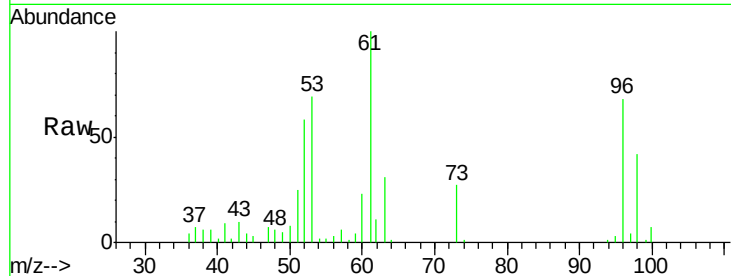
#15
Acrylonitrile
Concen: 51.303 ug/l
RT: 4.10 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tgt Ion: 53 Resp: 135222
Ion Ratio Lower Upper
53 100
52 84.0 66.7 100.1
51 35.9 32.7 49.1

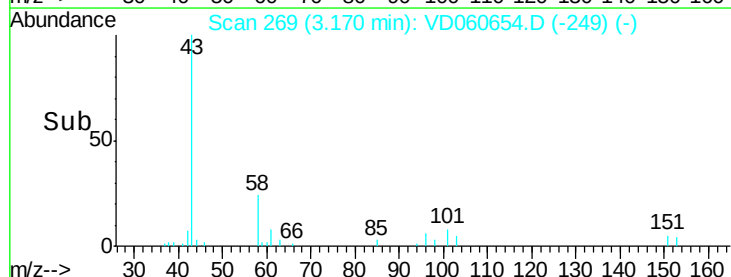
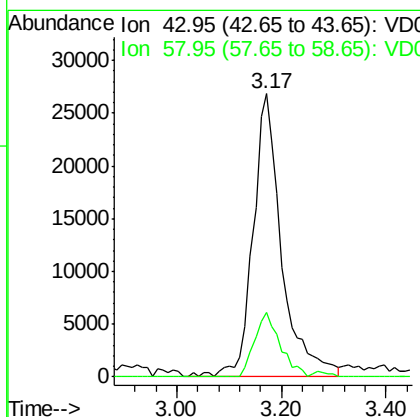
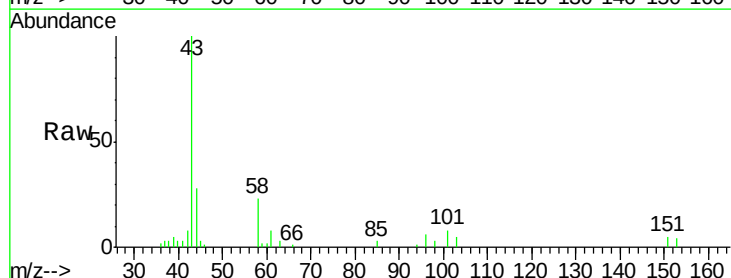
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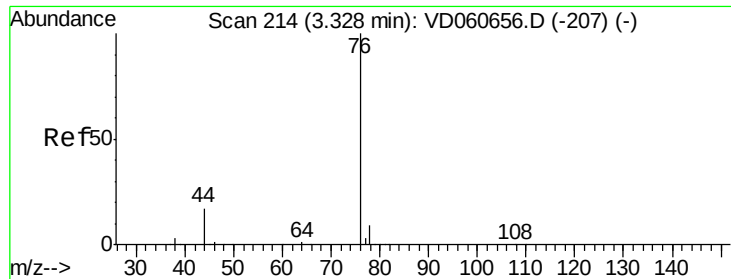
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#16
Acetone
Concen: 52.239 ug/l
RT: 3.17 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 43 Resp: 100481
Ion Ratio Lower Upper
43 100
58 23.0 18.2 27.2





#17

Carbon Disulfide

Concen: 9.762 ug/l

RT: 3.33 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 277121

Ion Ratio Lower Upper

76 100

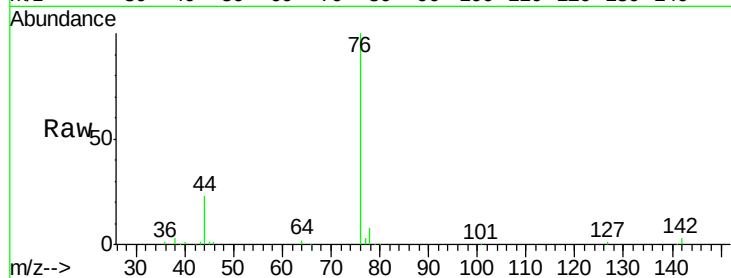
78 8.1 7.4 11.0

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

120000

100000

80000

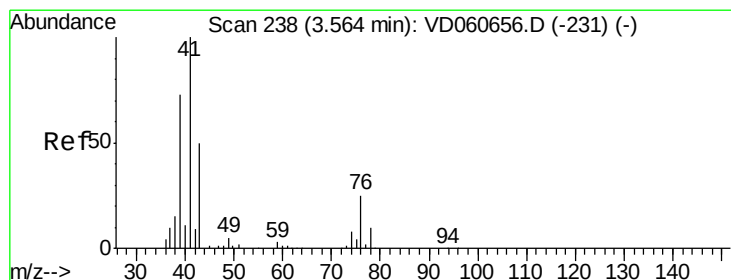
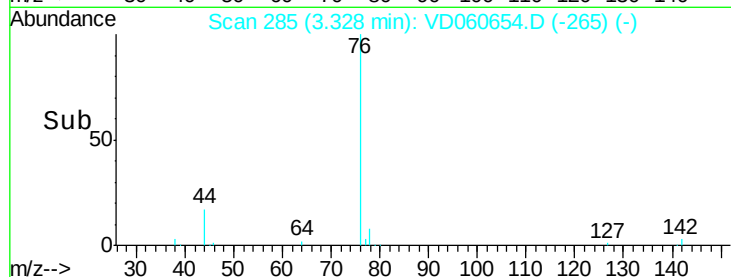
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 10.047 ug/l

RT: 3.56 min Scan# 309

Delta R.T. 0.00 min

Lab File: VD060654.D

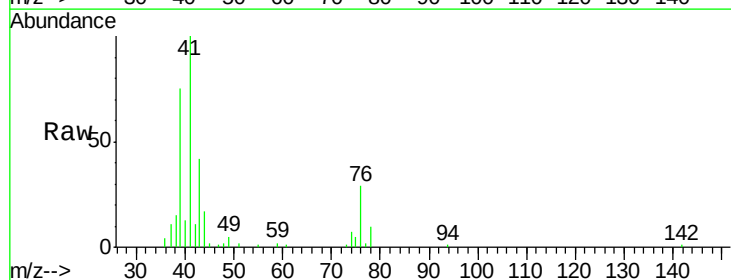
Acq: 20 Dec 2018 11:26

Tgt Ion: 43 Resp: 48316

Ion Ratio Lower Upper

43 100

74 15.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.56

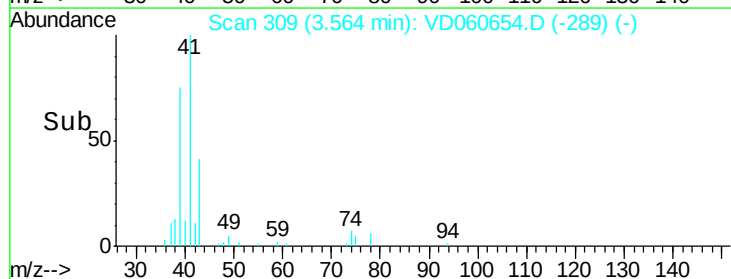
15000

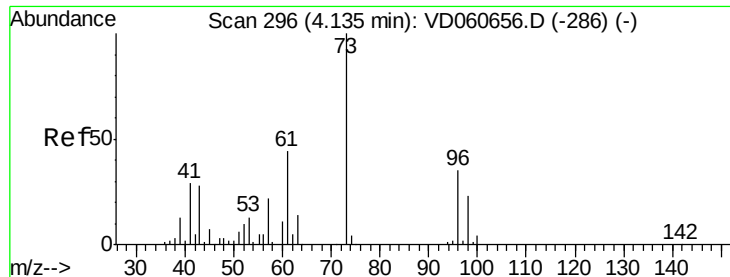
10000

5000

0

Time-->





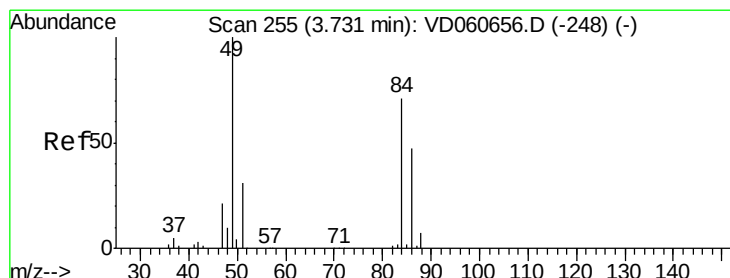
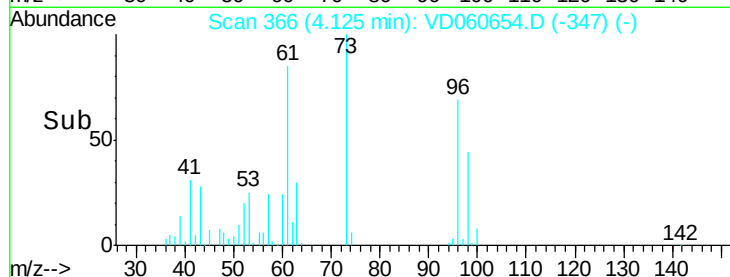
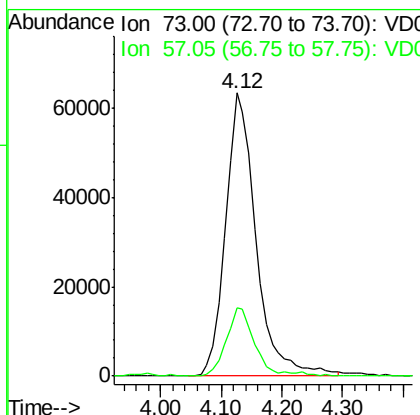
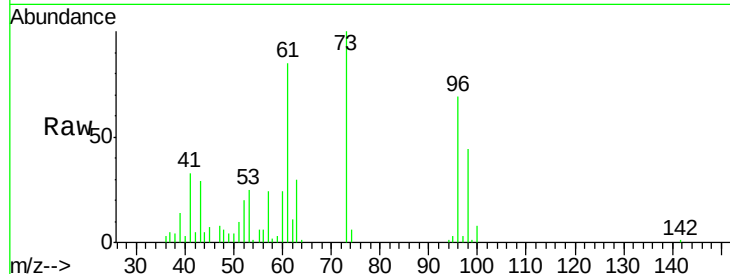
#19
Methyl tert-butyl Ether
Concen: 9.728 ug/l
RT: 4.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 221552
Ion Ratio Lower Upper
73 100
57 23.9 17.6 26.4

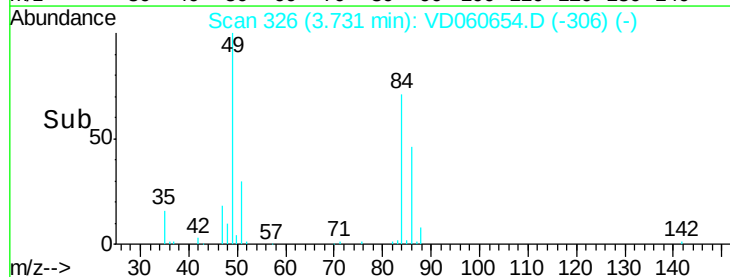
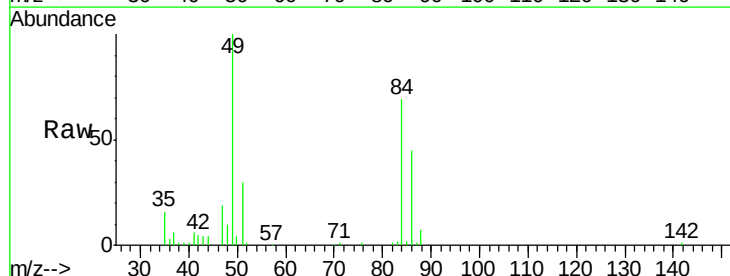
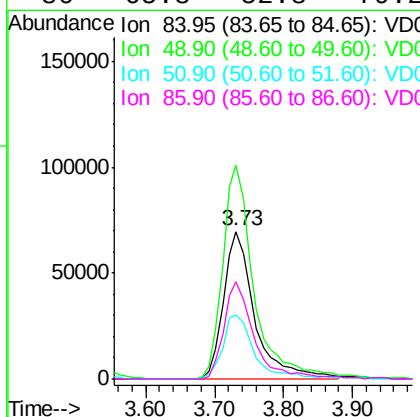
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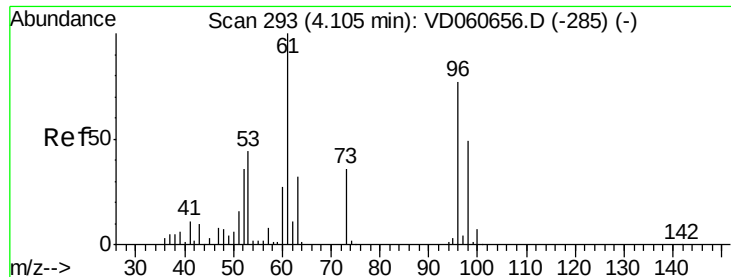
apatel
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#20
Methylene Chloride
Concen: 12.660 ug/l
RT: 3.73 min Scan# 326
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 84 Resp: 217957
Ion Ratio Lower Upper
84 100
49 144.7 113.6 170.4
51 43.7 34.7 52.1
86 65.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 9.941 ug/l

RT: 4.12 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 178134
Ion Ratio Lower Upper

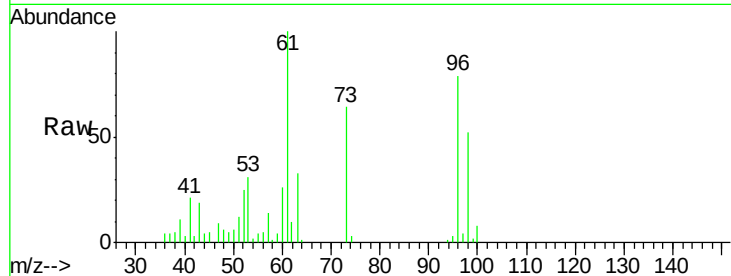
96 100

61 127.1 104.2 156.2

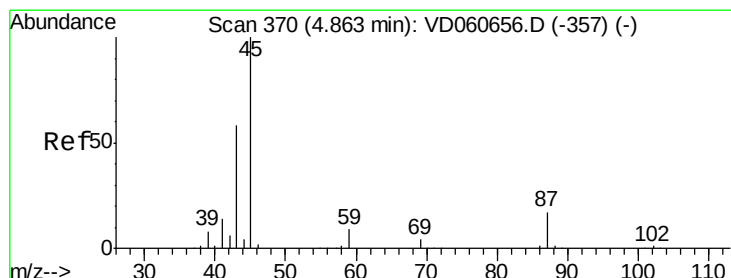
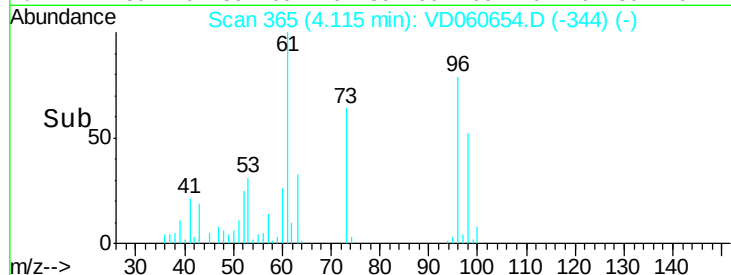
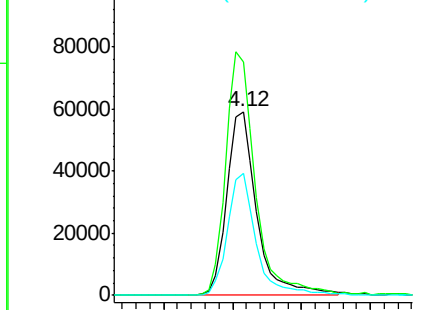
98 66.5 51.2 76.8

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 9.984 ug/l

RT: 4.86 min Scan# 441

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

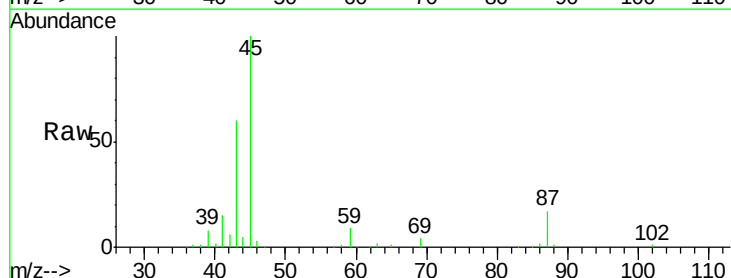
Tgt Ion: 45 Resp: 546299
Ion Ratio Lower Upper

45 100

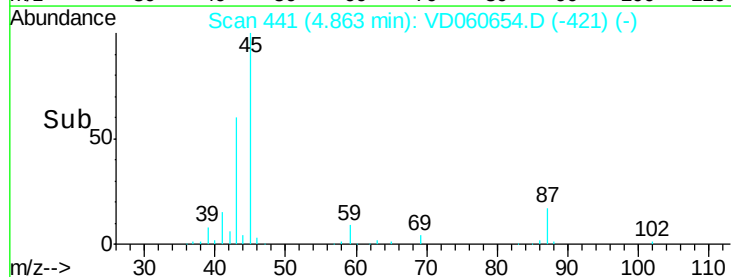
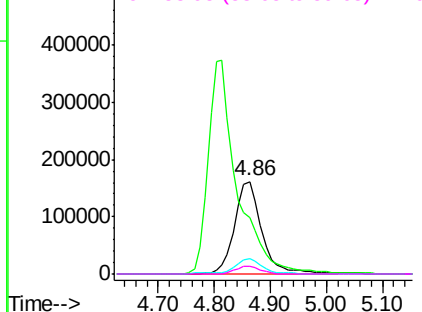
43 60.2 46.1 69.1

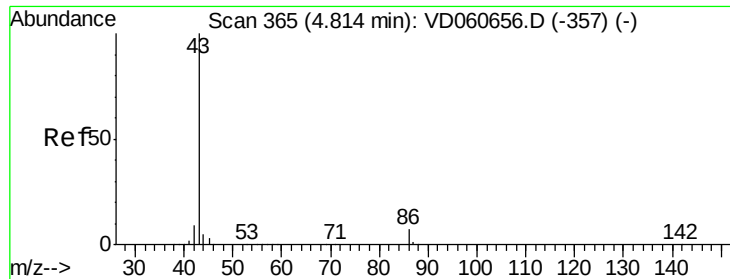
87 17.0 13.7 20.5

59 8.7 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 49.695 ug/l

RT: 4.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tgt Ion: 43 Resp: 133571

Ion Ratio Lower Upper

43 100

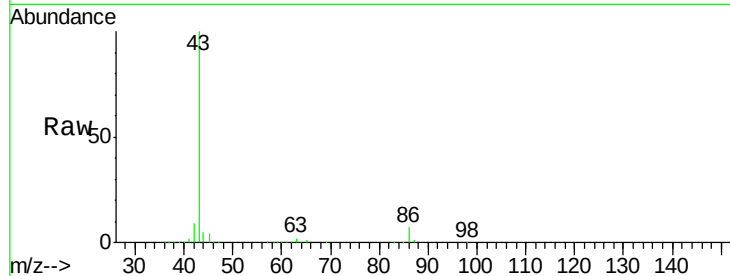
86 6.7 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.81

400000

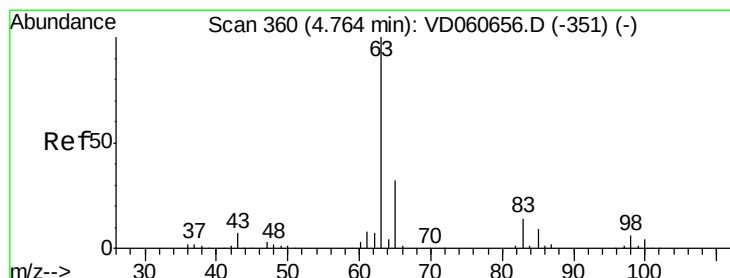
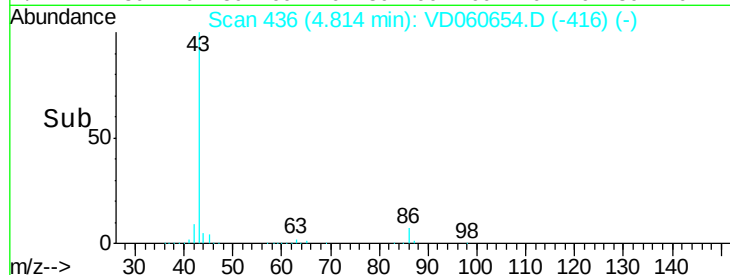
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 9.834 ug/l

RT: 4.76 min Scan# 431

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

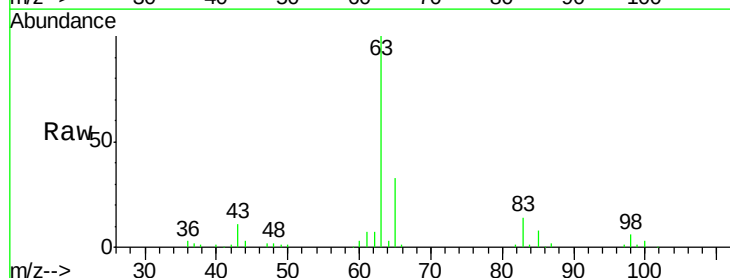
Tgt Ion: 63 Resp: 281931

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.2 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.76

120000

100000

80000

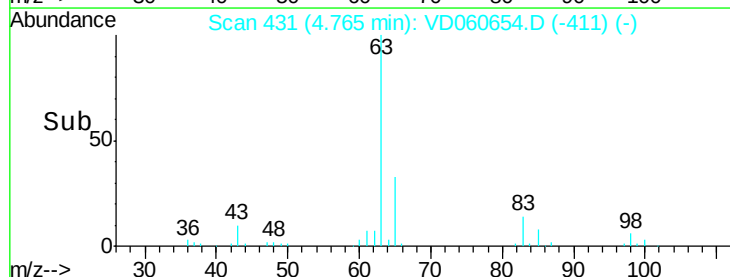
60000

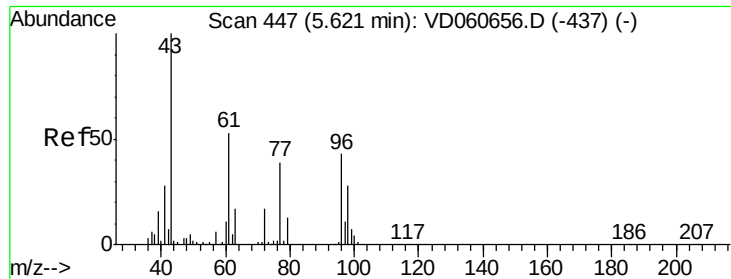
40000

20000

0

Time-->





#25

2-Butanone

Concen: 48.508 ug/l

RT: 5.62 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 184625

Ion Ratio Lower Upper

43 100

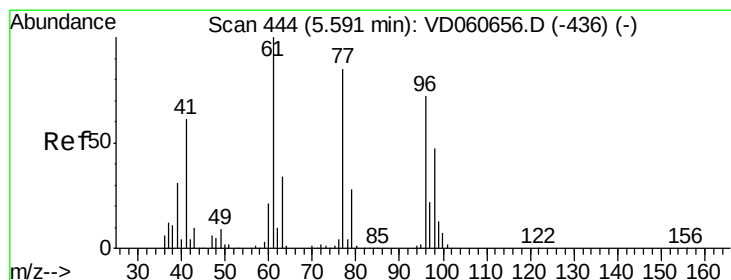
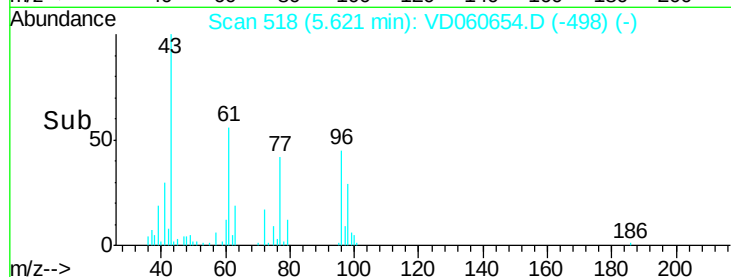
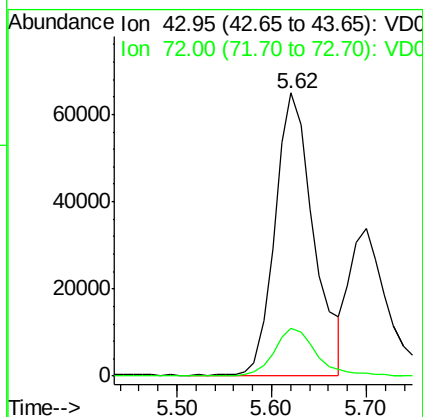
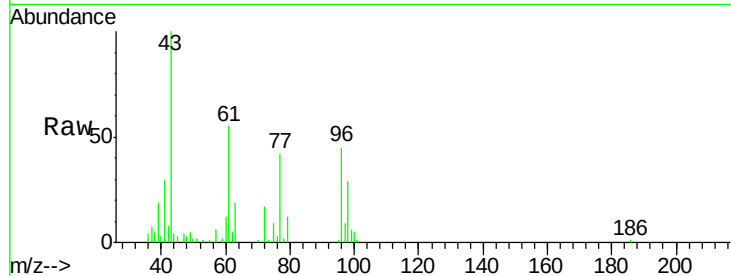
72 17.0 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 10.088 ug/l

RT: 5.59 min Scan# 515

Delta R.T. 0.00 min

Lab File: VD060654.D

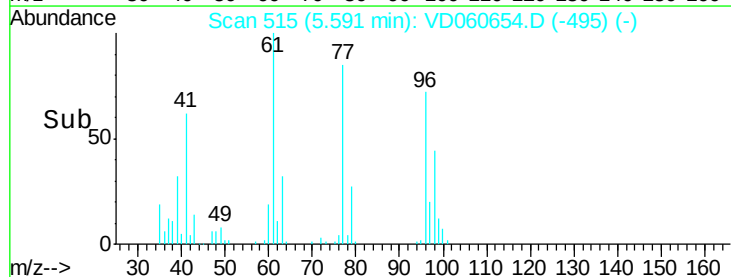
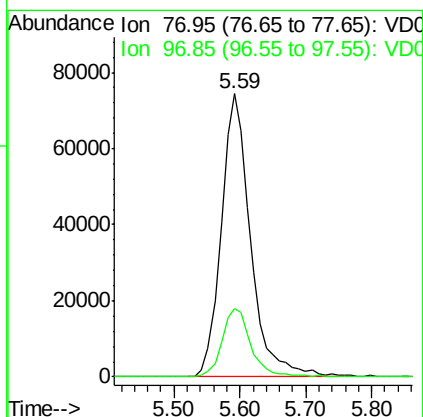
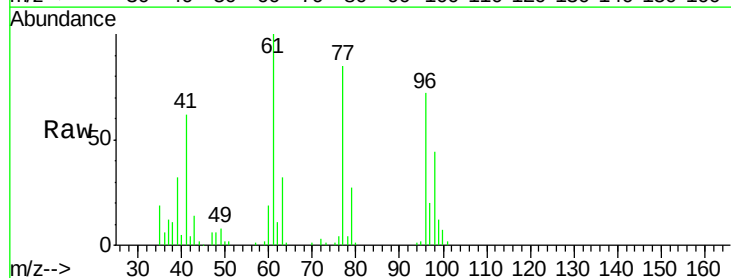
Acq: 20 Dec 2018 11:26

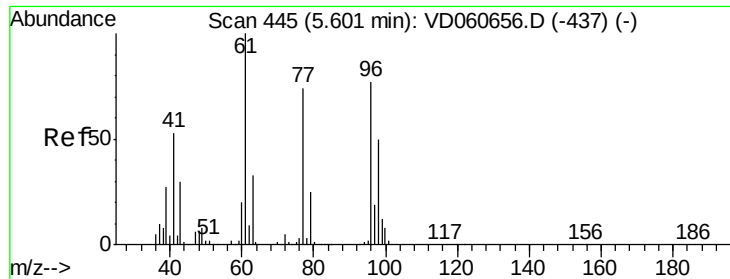
Tgt Ion: 77 Resp: 230447

Ion Ratio Lower Upper

77 100

97 24.2 13.0 39.0





#27

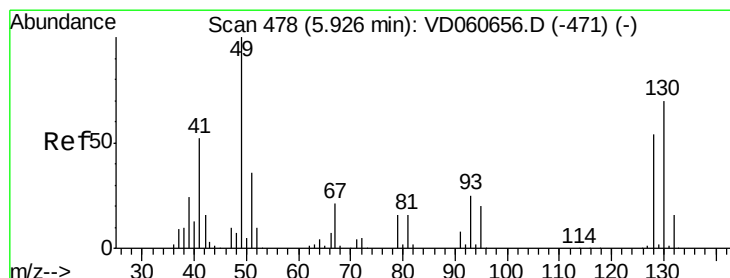
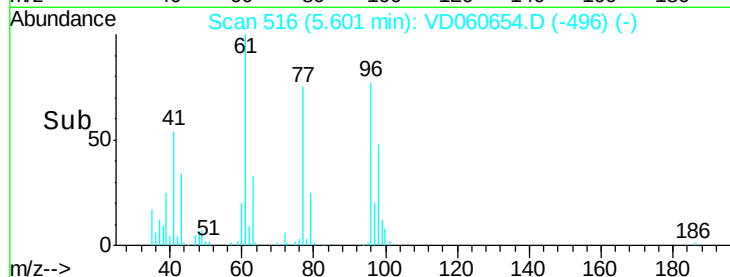
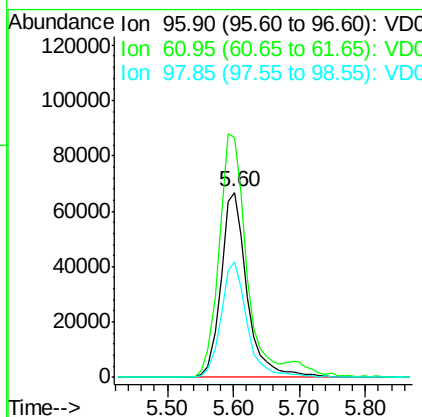
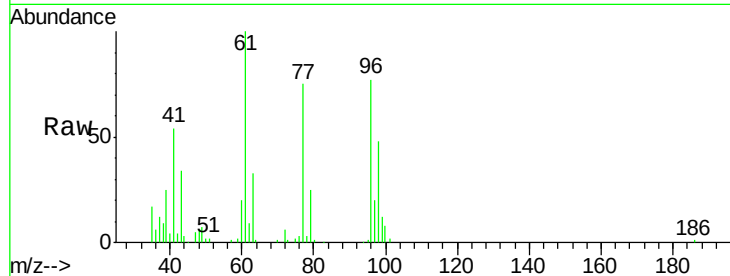
cis-1,2-Dichloroethene
Concen: 10.019 ug/l
RT: 5.60 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	184005		
61	129.4	0.0	259.4	
98	62.2	0.0	130.0	

Manual Integrations
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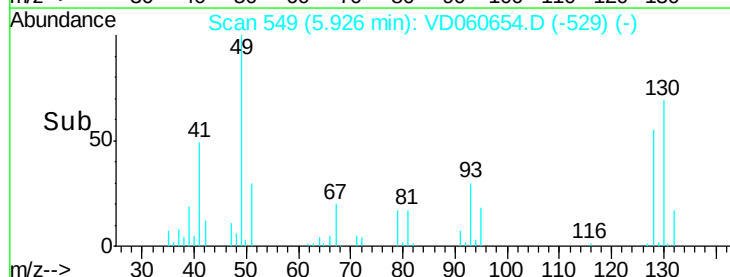
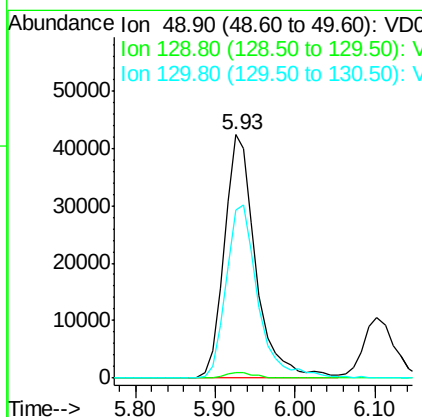
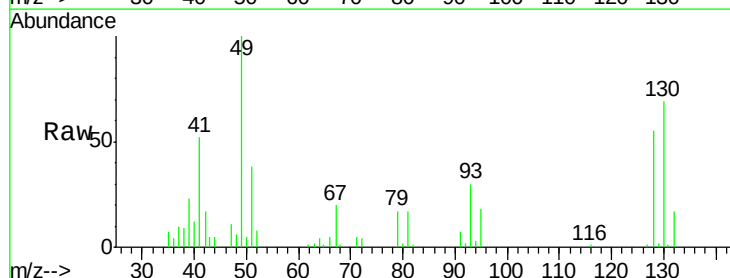
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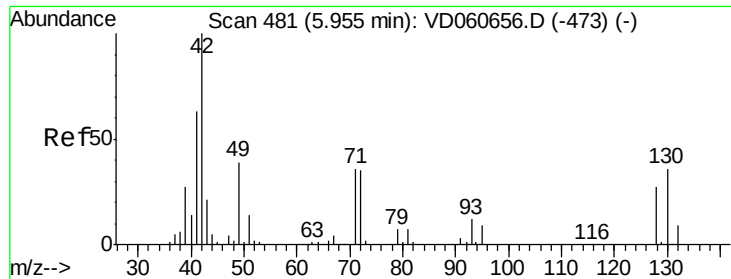


#28

Bromochloromethane
Concen: 9.790 ug/l
RT: 5.93 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.4
130	68.9	56.2	84.2





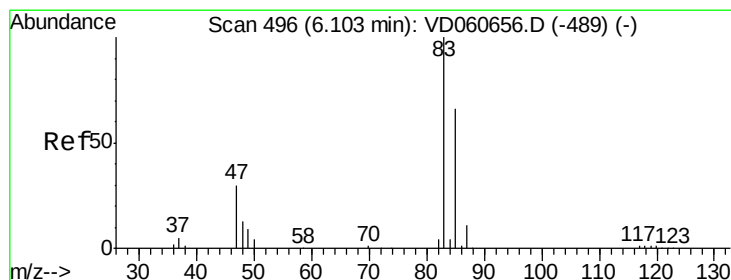
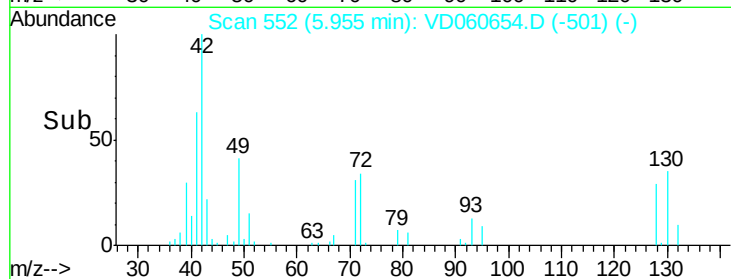
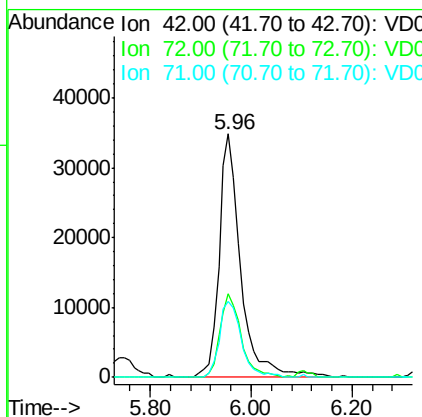
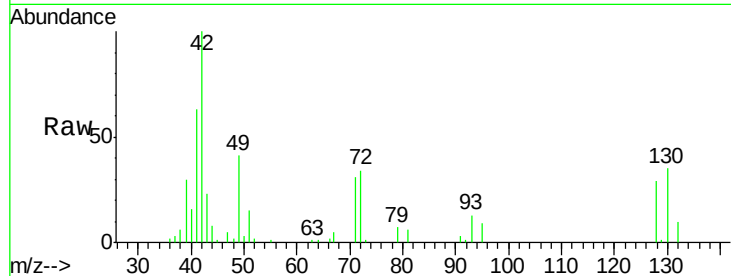
#29
Tetrahydrofuran
Concen: 49.793 ug/l
RT: 5.96 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.4	28.0	42.0
71	31.7	27.0	40.6

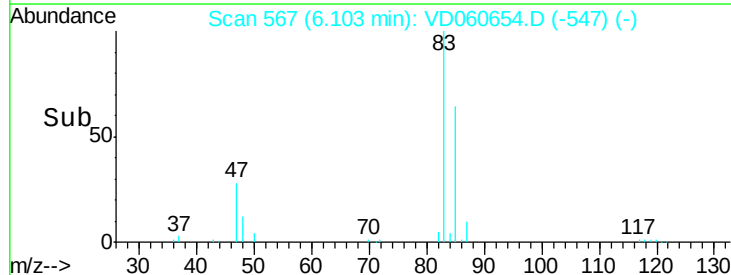
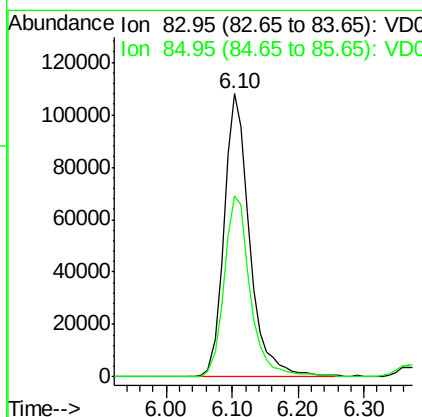
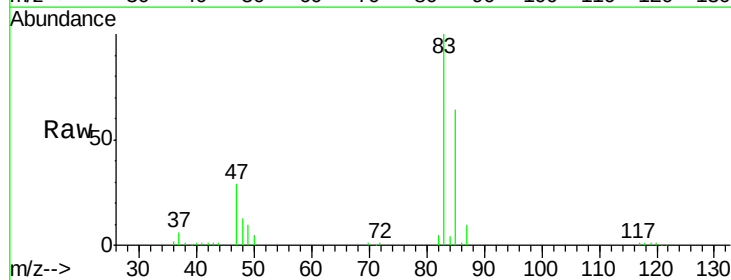
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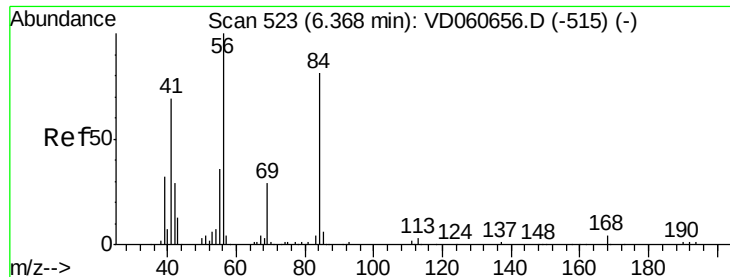
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#30
Chloroform
Concen: 10.124 ug/l
RT: 6.10 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.0	79.6





#31

Cyclohexane

Concen: 10.157 ug/l

RT: 6.37 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

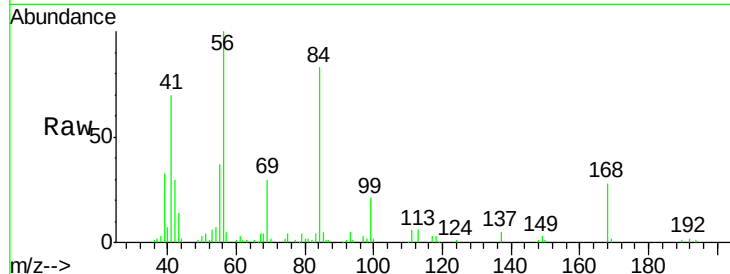
ClientSampleId :

VSTDIC010

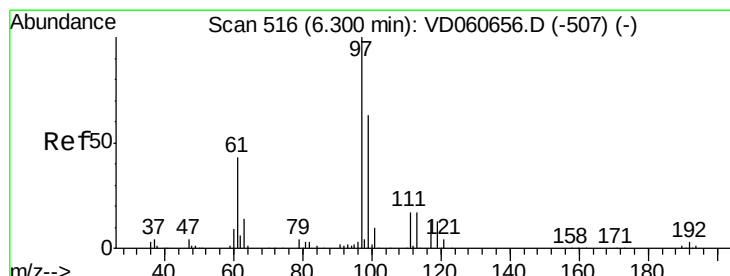
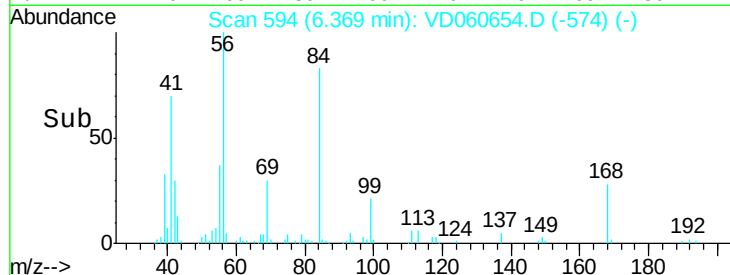
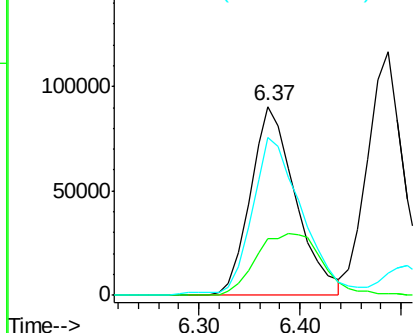
Tgt Ion:	56	Resp:	280808
Ion Ratio	Lower	Upper	
56	100		
69	30.1	23.6	35.4
84	83.5	65.8	98.6

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 9.698 ug/l

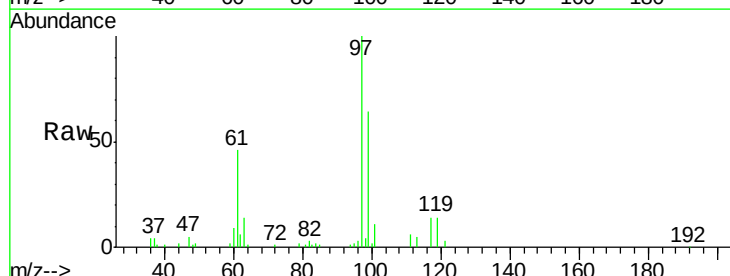
RT: 6.29 min Scan# 586

Delta R.T. -0.01 min

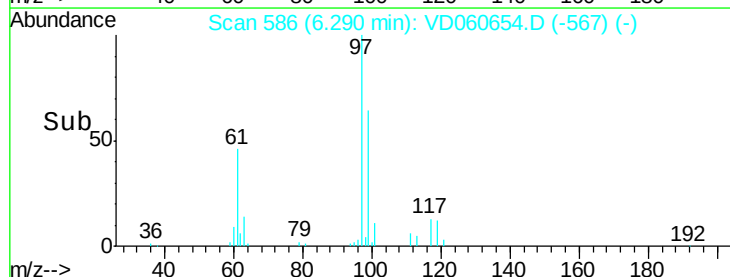
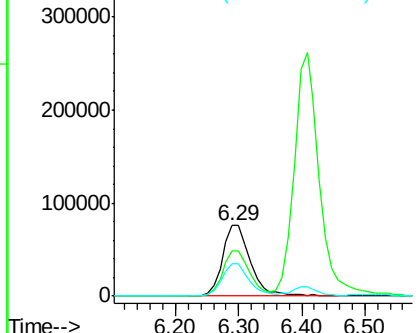
Lab File: VD060654.D

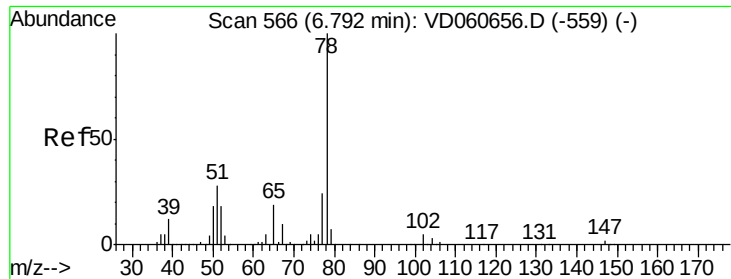
Acq: 20 Dec 2018 11:26

Tgt Ion:	97	Resp:	233307
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.5	75.7
61	46.3	34.6	51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





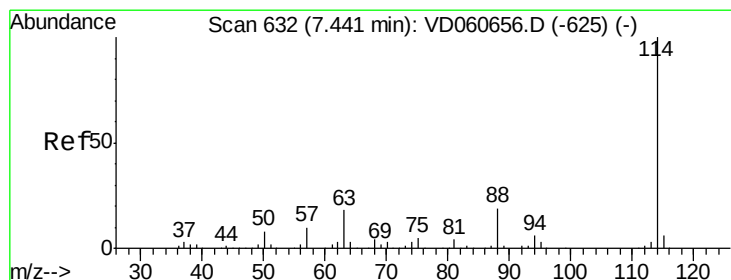
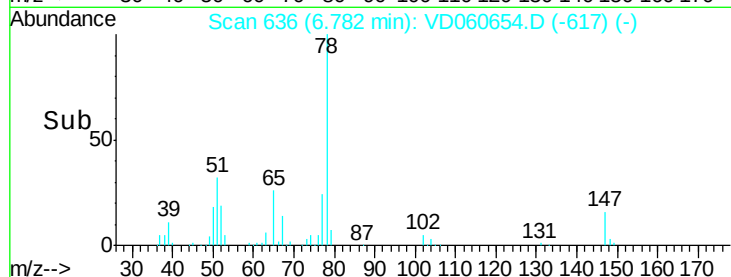
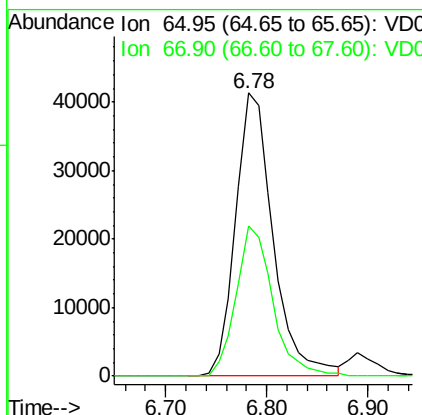
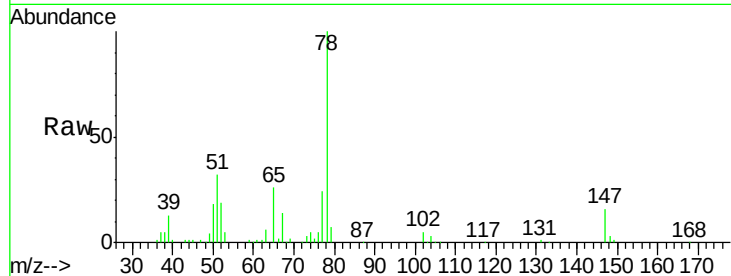
#33
 1,2-Dichloroethane-d4
 Concen: 9.698 ug/l
 RT: 6.78 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 65 Resp: 107119
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4

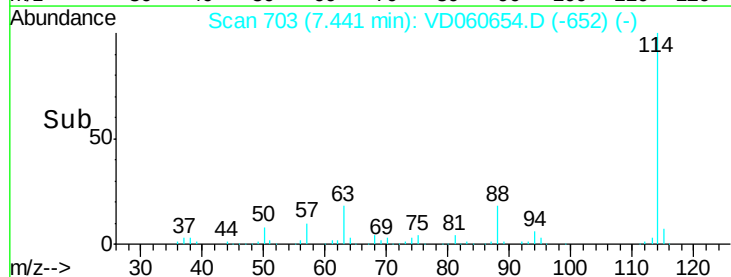
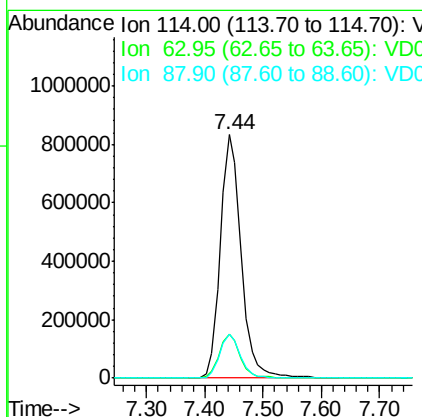
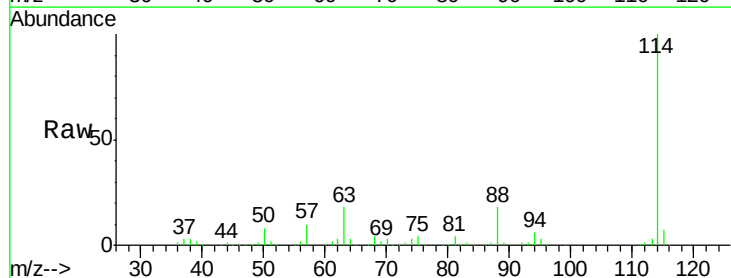
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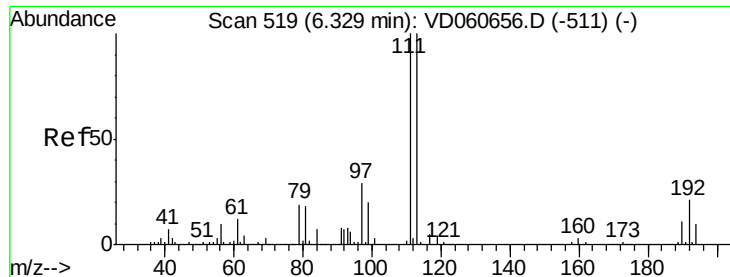
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 114 Resp: 2069590
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.2
 88 17.9 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 590

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

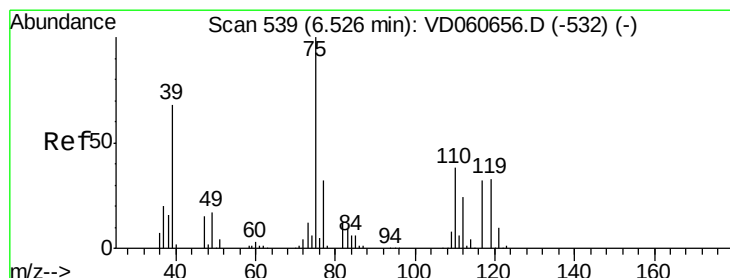
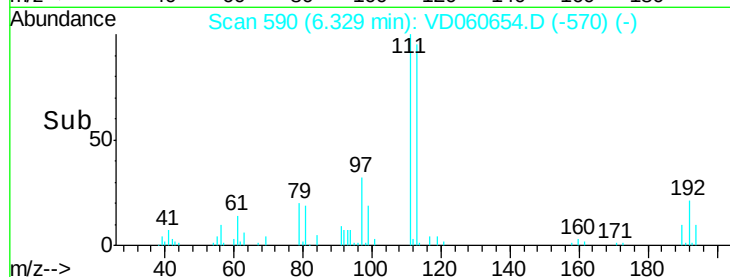
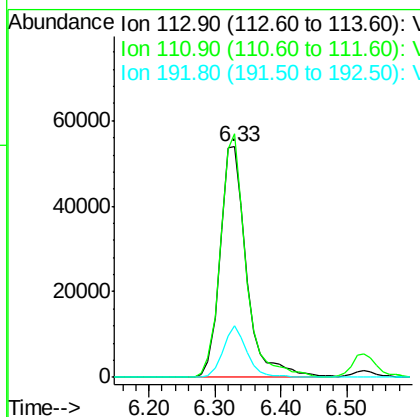
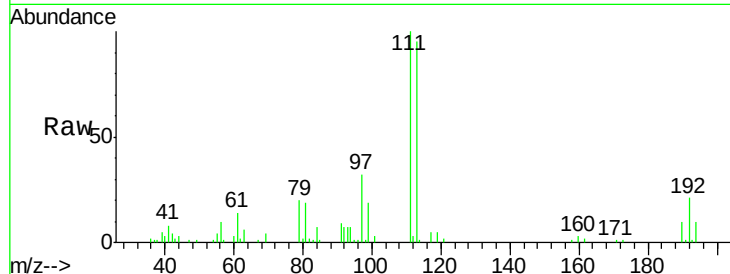
ClientSampleId :

VSTDIC010

Tgt Ion:	113	Resp:	151599
Ion Ratio	Lower	Upper	
113	100		
111	105.7	80.0	120.0
192	22.3	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 10.520 ug/l

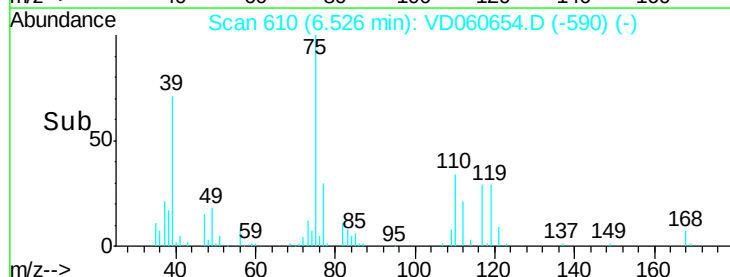
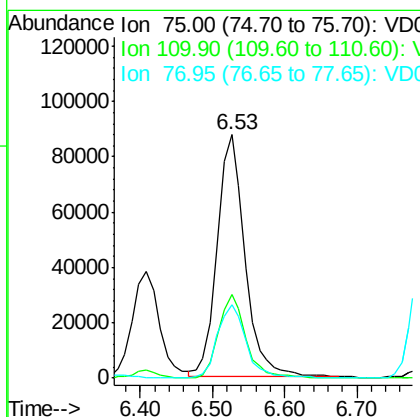
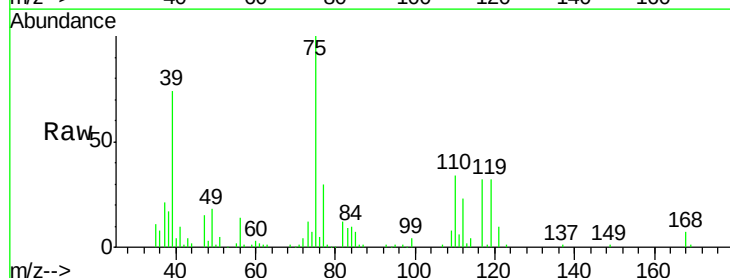
RT: 6.53 min Scan# 610

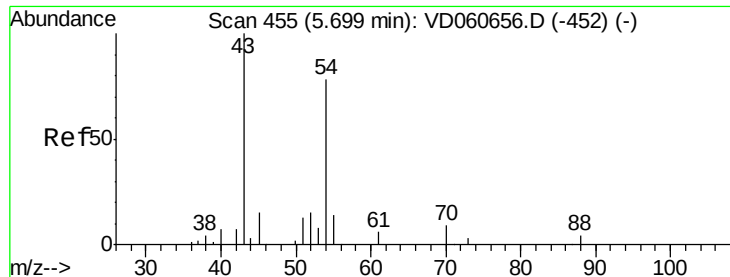
Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion:	75	Resp:	232429
Ion Ratio	Lower	Upper	
75	100		
110	34.3	18.9	56.7
77	30.3	25.4	38.0





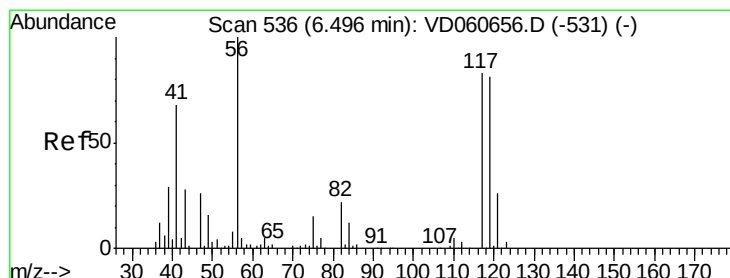
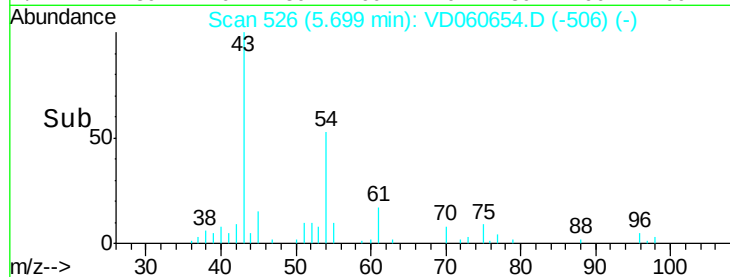
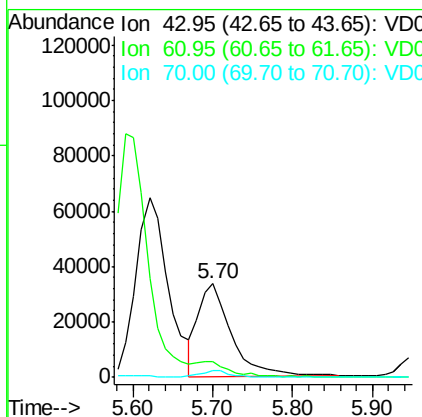
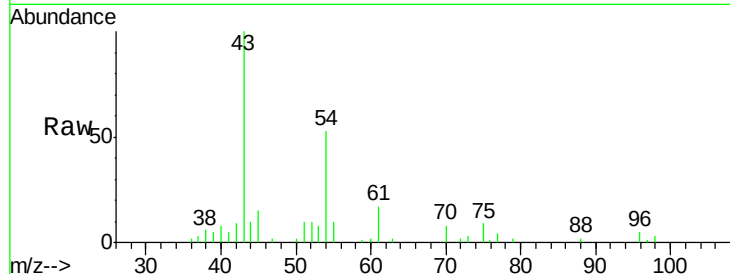
#37
Ethyl Acetate
 Concen: 10.570 ug/l
 RT: 5.70 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 43 Resp: 96395
 Ion Ratio Lower Upper
 43 100
 61 17.3 11.8 17.6
 70 7.8 5.8 8.6

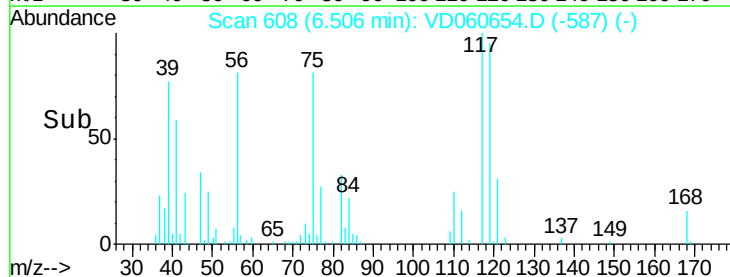
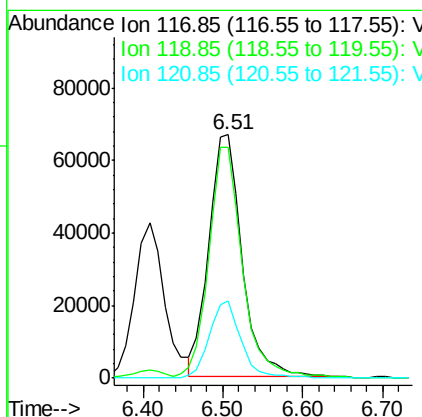
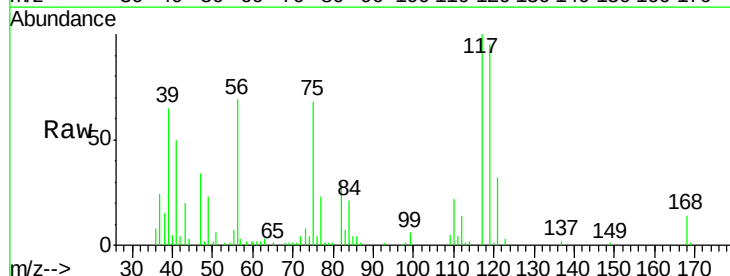
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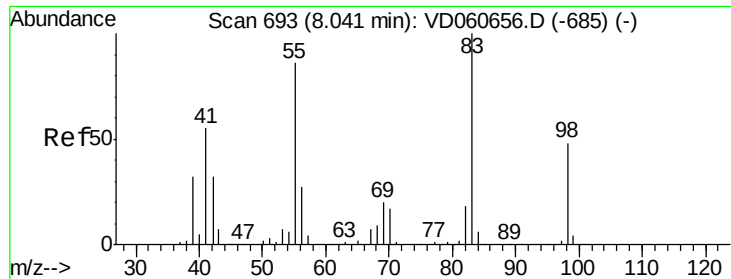
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#38
Carbon Tetrachloride
 Concen: 9.796 ug/l
 RT: 6.51 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 117 Resp: 195267
 Ion Ratio Lower Upper
 117 100
 119 95.1 77.0 115.4
 121 31.6 24.7 37.1





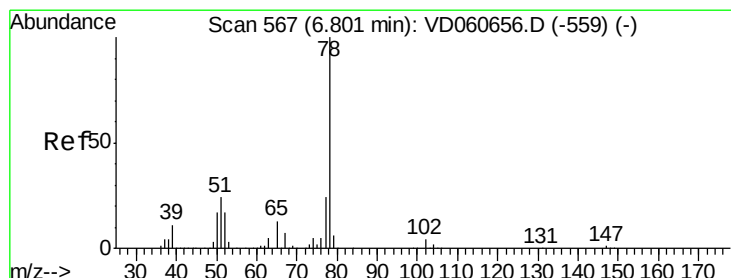
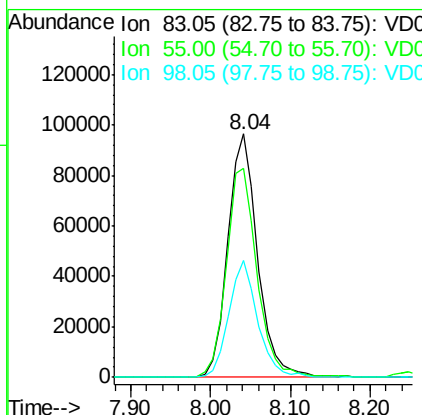
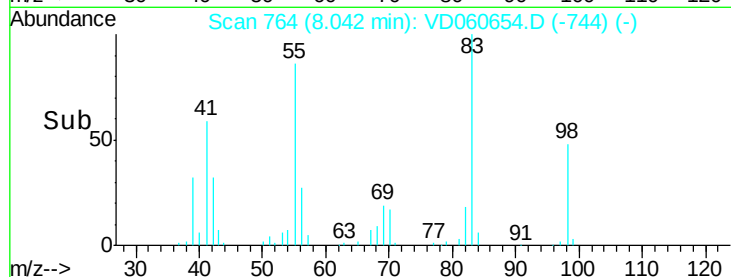
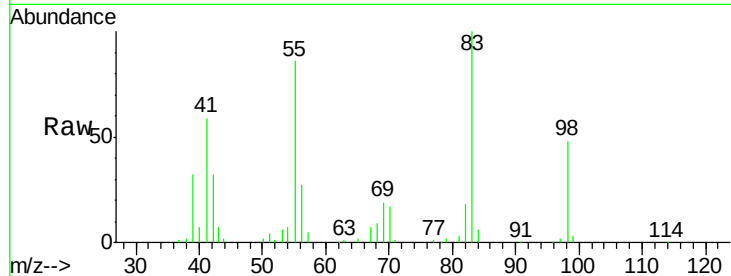
#39
Methylcyclohexane
Concen: 9.706 ug/l
RT: 8.04 min Scan# 764
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	251536		
55	85.7	68.6	102.8	
98	48.1	38.1	57.1	

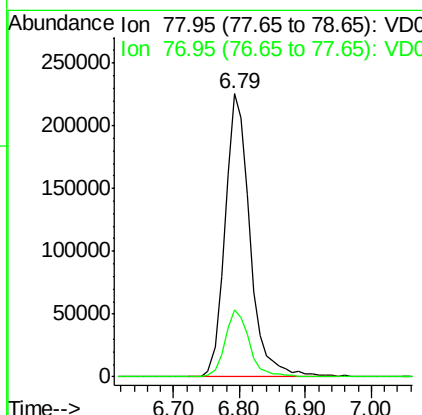
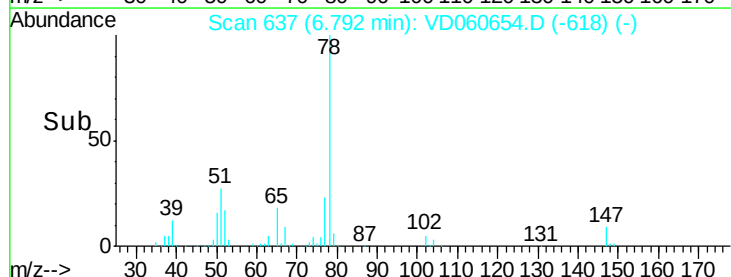
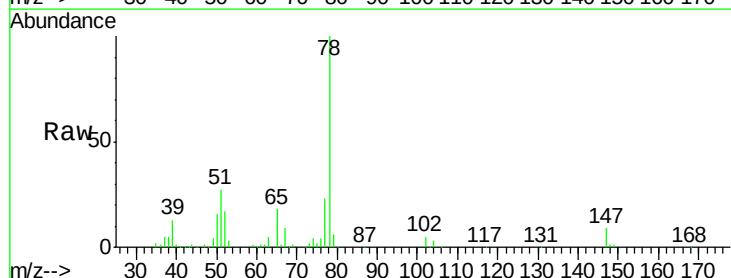
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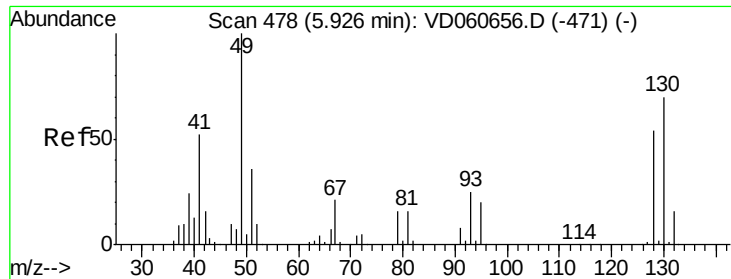
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#40
Benzene
Concen: 10.398 ug/l
RT: 6.79 min Scan# 637
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	596092		
77	23.5	19.2	28.8	





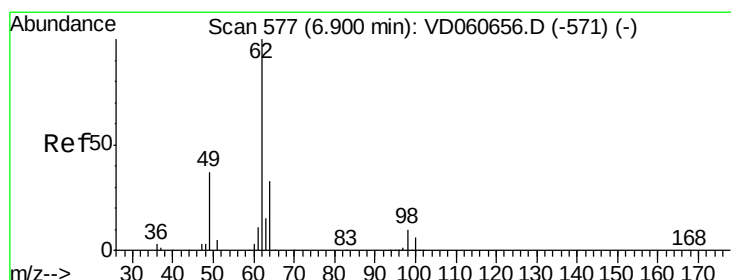
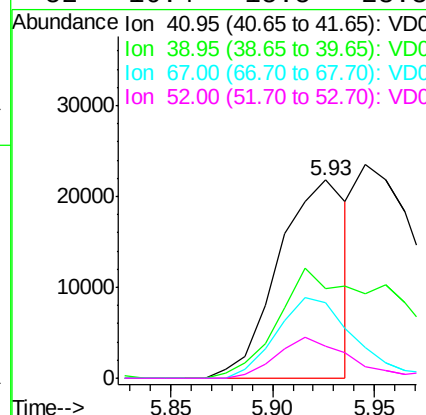
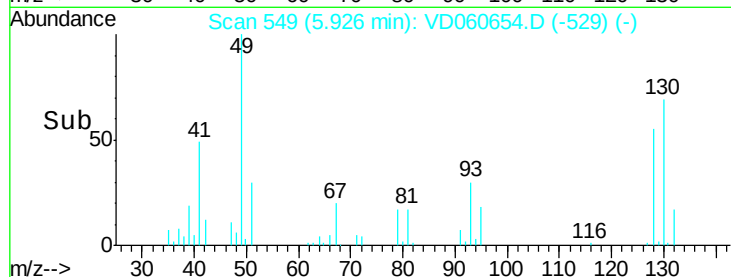
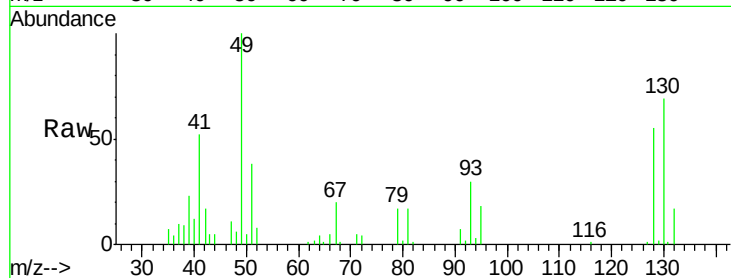
#41
Methacrylonitrile
Concen: 9.618 ug/l m
RT: 5.93 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
41	100		
39	45.5	37.6	56.4
67	38.0	33.0	49.6
52	16.4	15.5	23.3

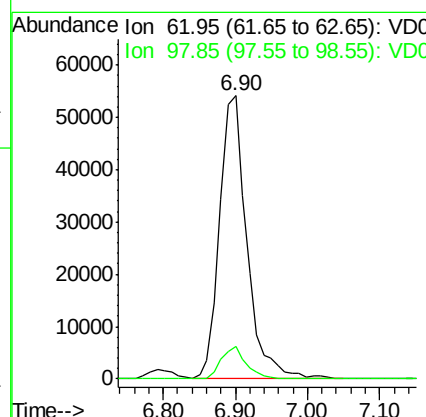
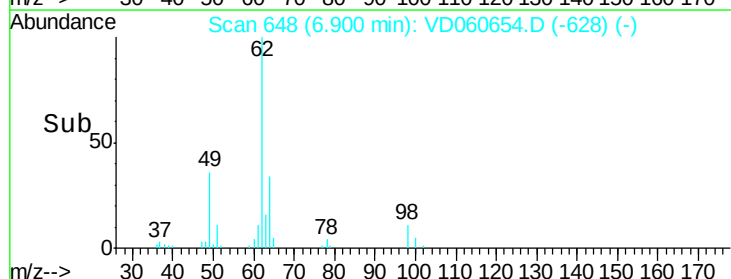
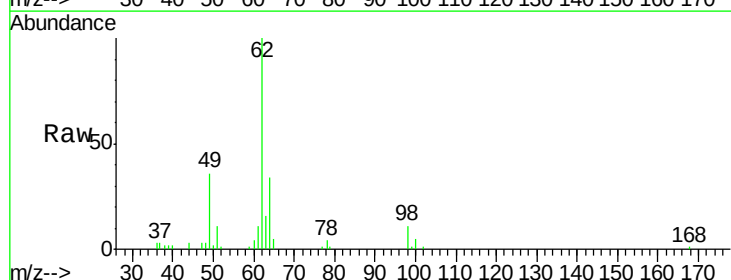
Manual Integrations
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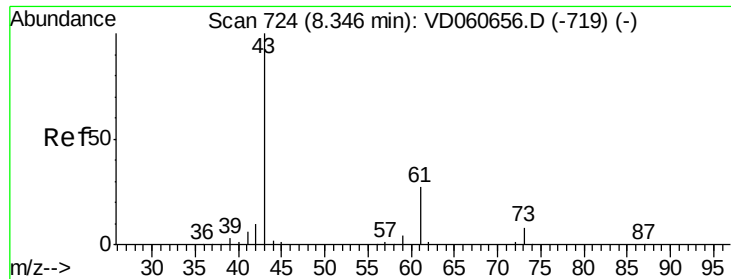
apatel
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#42
1,2-Dichloroethane
Concen: 9.959 ug/l
RT: 6.90 min Scan# 648
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.4





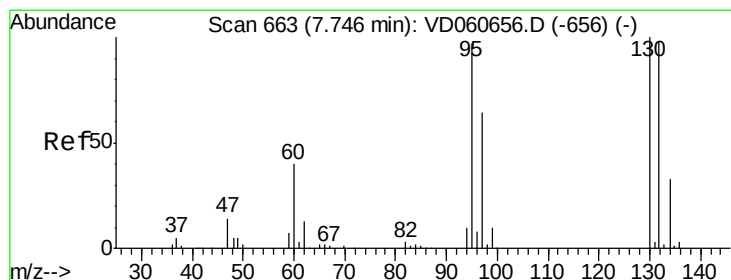
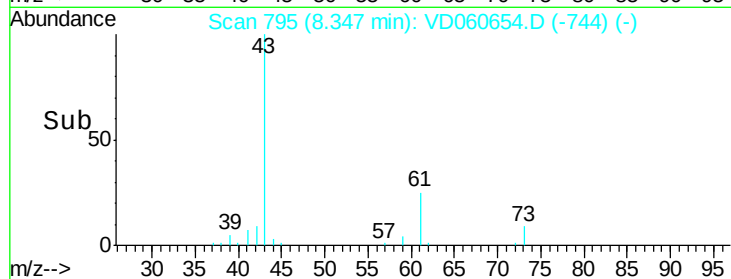
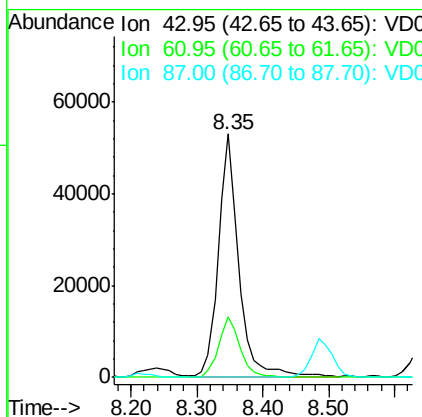
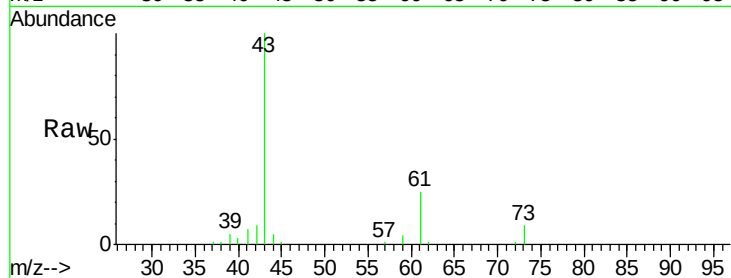
#43
Isopropyl Acetate
Concen: 9.259 ug/l
RT: 8.35 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.7	21.8	32.8
87	0.0	0.2	0.4

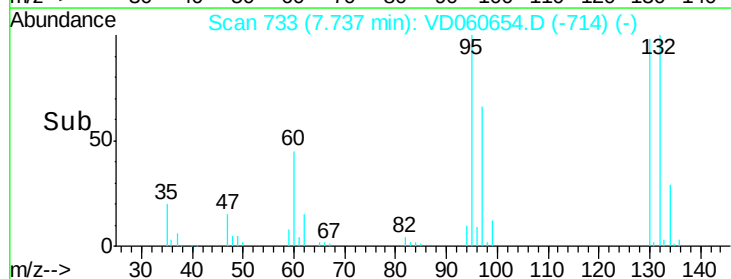
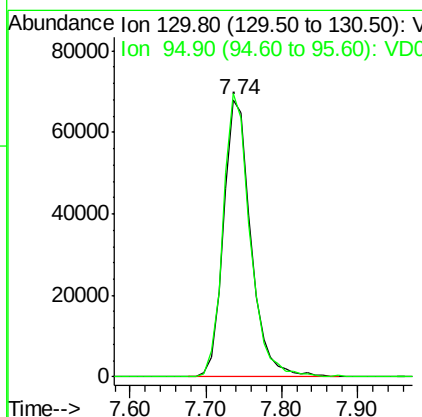
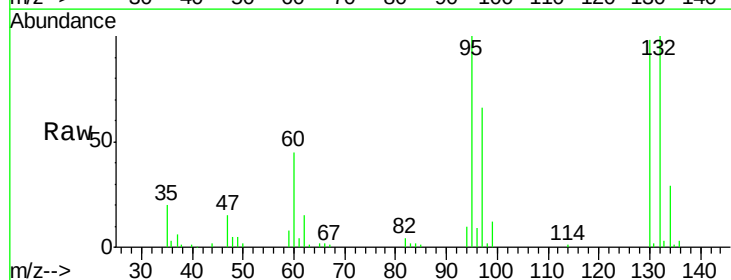
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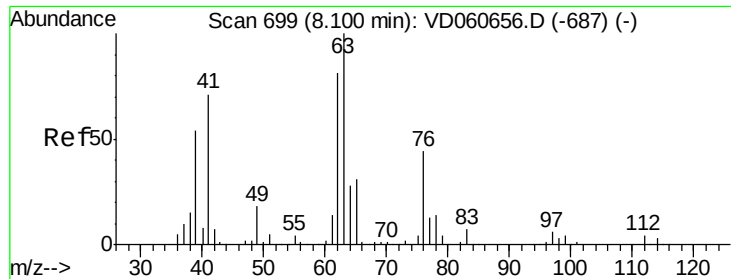
apatel
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#44
Trichloroethene
Concen: 9.912 ug/l
RT: 7.74 min Scan# 733
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	193.6





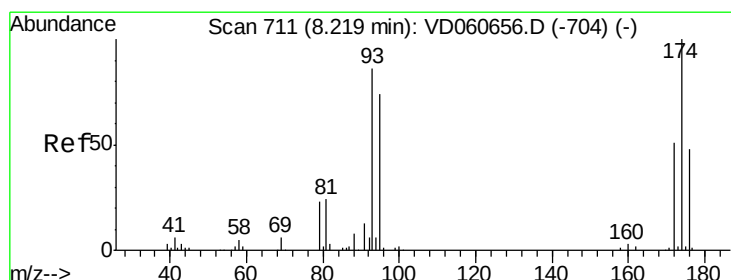
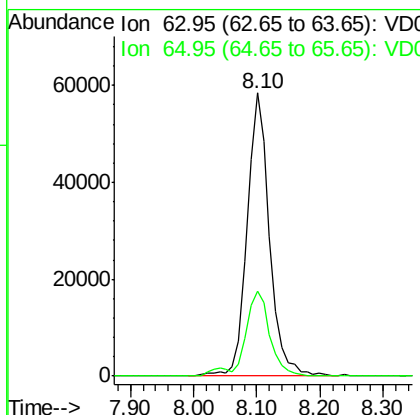
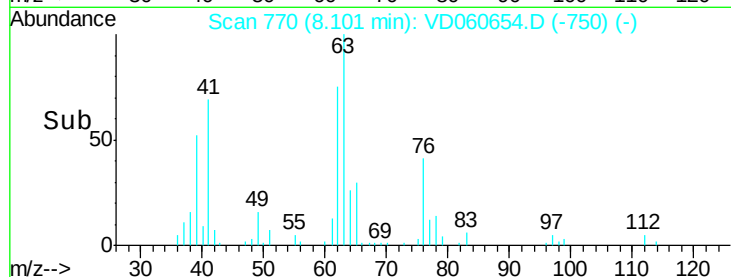
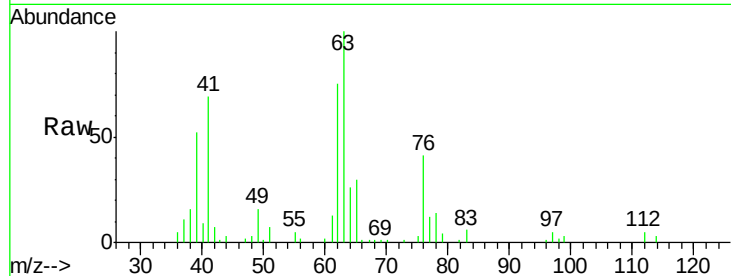
#45
 1,2-Dichloropropane
 Concen: 10.341 ug/l
 RT: 8.10 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 143982
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

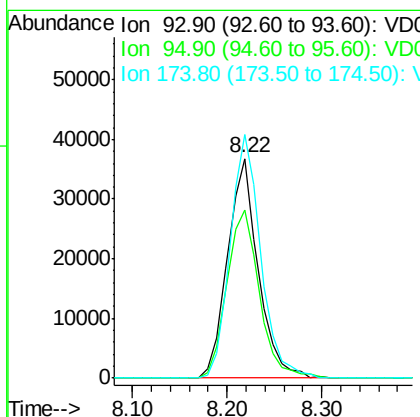
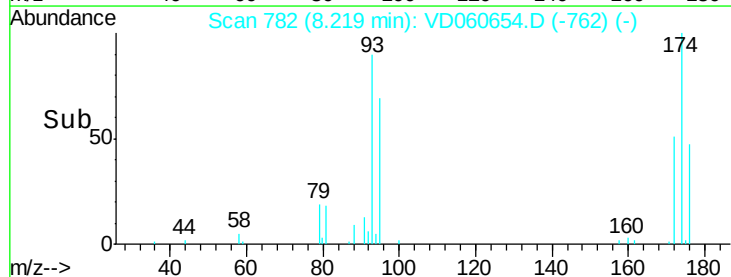
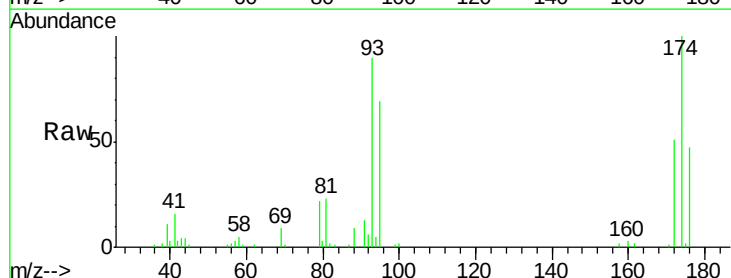
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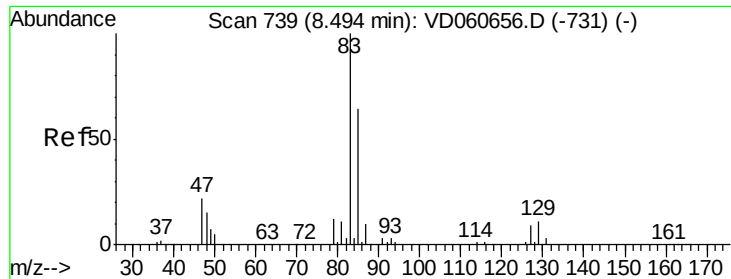
apatel
 12/21/2018 11:32:25 AM



#46
 Dibromomethane
 Concen: 10.205 ug/l
 RT: 8.22 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 93 Resp: 82413
 Ion Ratio Lower Upper
 93 100
 95 76.4 68.8 103.2
 174 110.9 93.0 139.4





#47

Bromodichloromethane

Concen: 9.447 ug/l

RT: 8.48 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

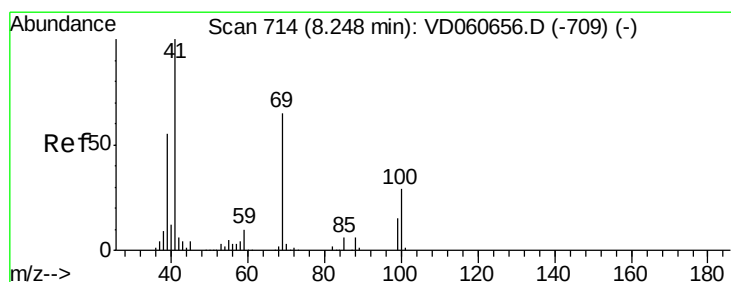
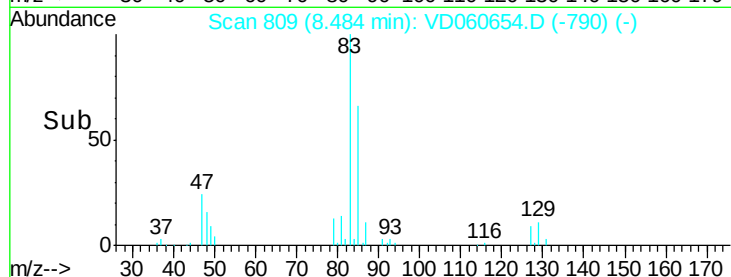
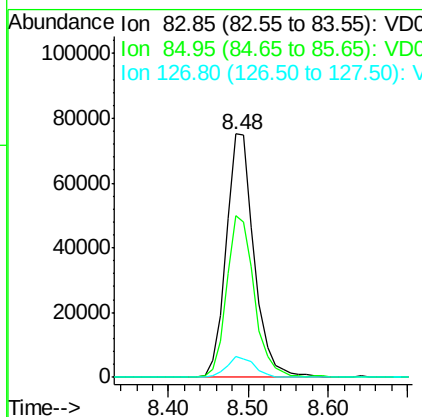
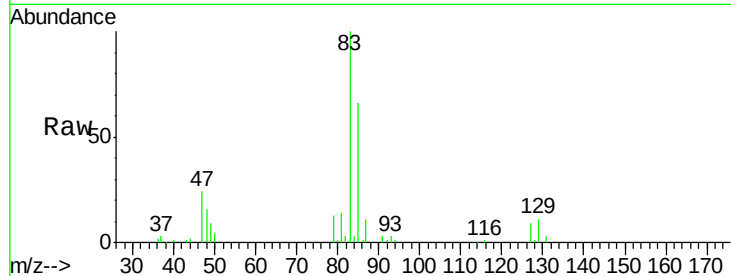
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	184449
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	8.5	7.0	10.6

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#48

Methyl methacrylate

Concen: 9.671 ug/l

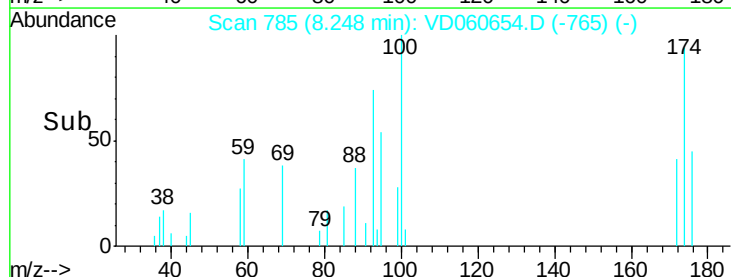
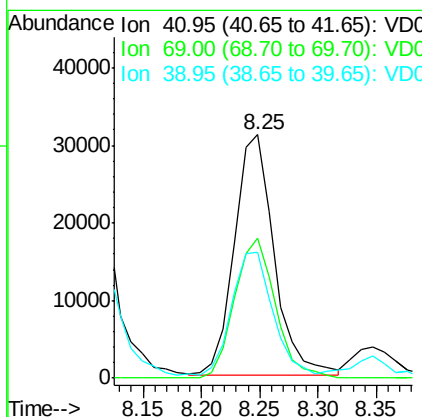
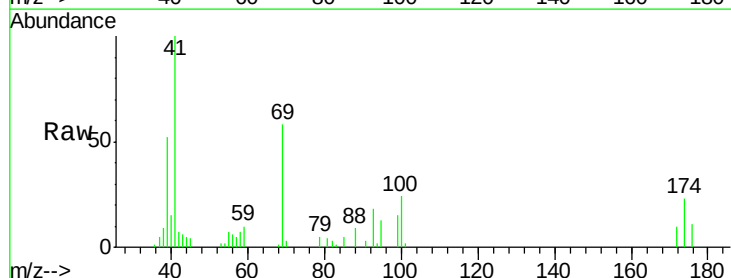
RT: 8.25 min Scan# 785

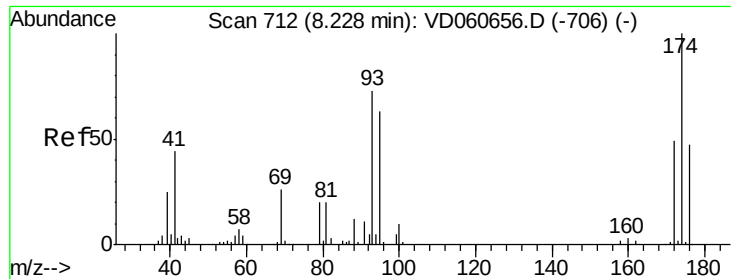
Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion:	41	Resp:	72912
Ion	Ratio	Lower	Upper
41	100		
69	57.7	51.2	76.8
39	51.9	44.6	67.0





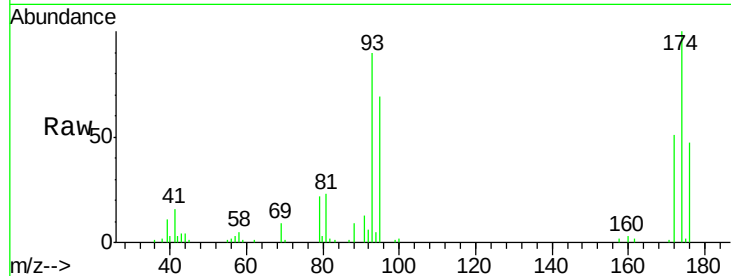
#49
1,4-Dioxane
Concen: 186.549 ug/l
RT: 8.22 min Scan# 782
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

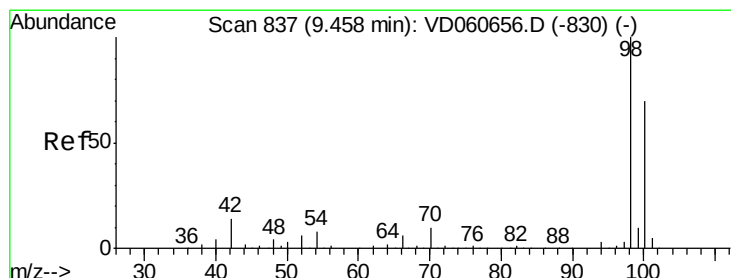
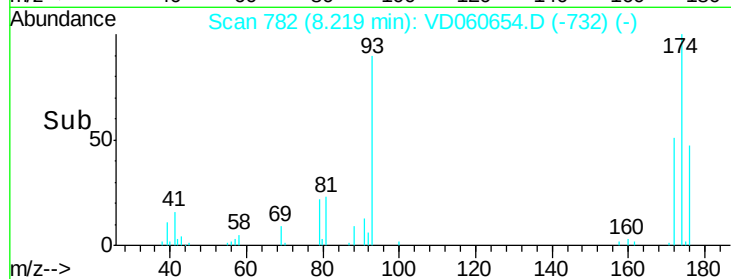
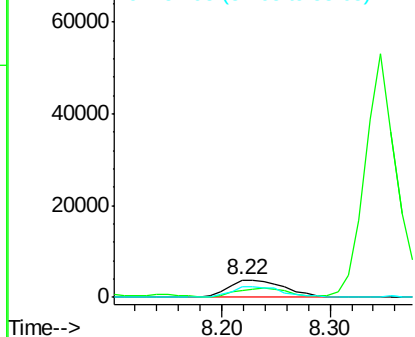
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	13169		
43	39.9	31.5	47.3	
58	59.2	50.6	76.0	

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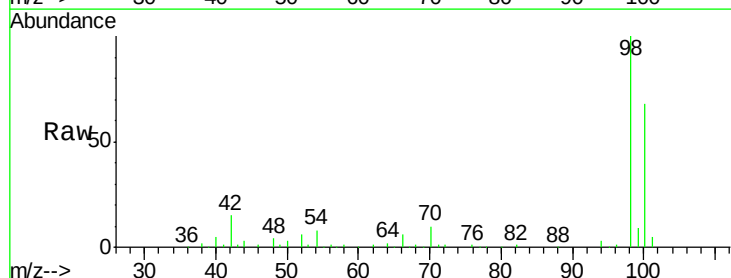


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

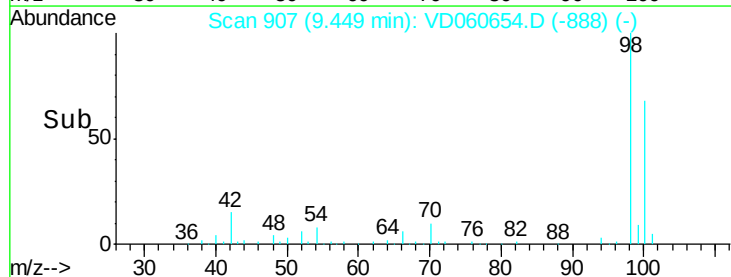
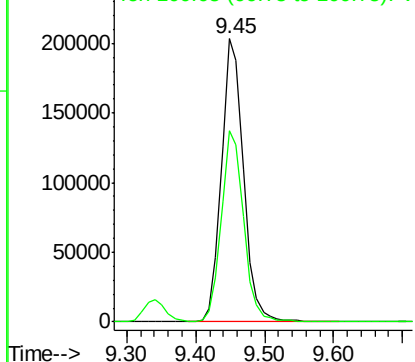


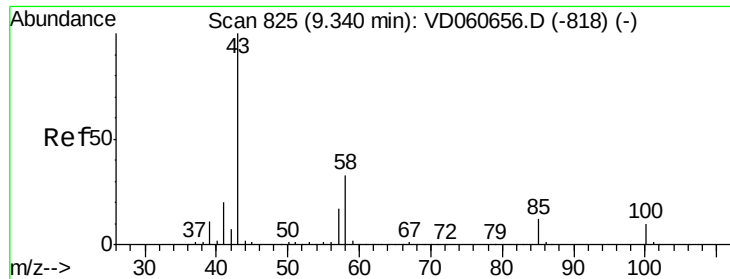
#50
Toluene-d8
Concen: 186.549 ug/l
RT: 9.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	450083		
100	67.8	55.8	83.8	



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 48.904 ug/l

RT: 9.34 min Scan# 896

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 371484

Ion Ratio Lower Upper

43 100

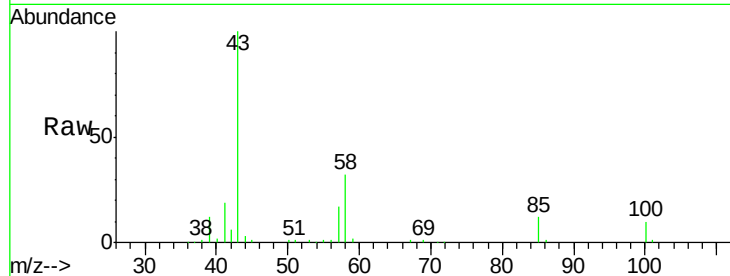
58 32.0 26.3 39.5

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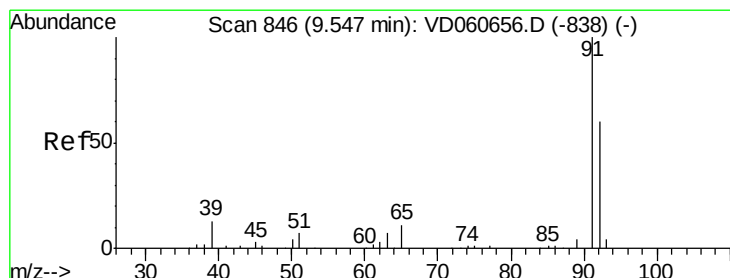
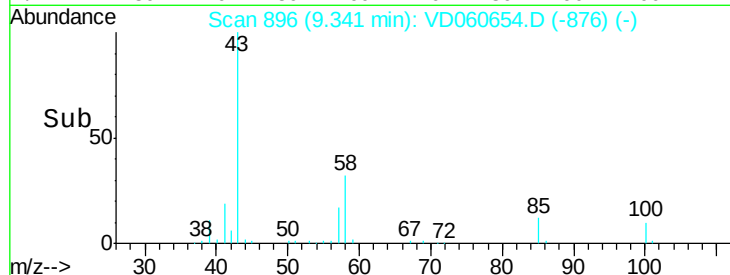
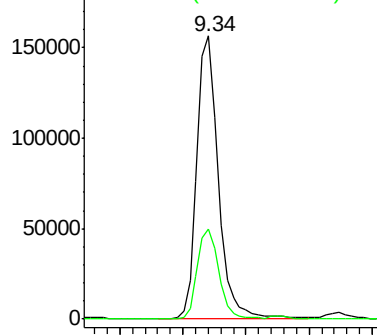
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.213 ug/l

RT: 9.55 min Scan# 917

Delta R.T. 0.00 min

Lab File: VD060654.D

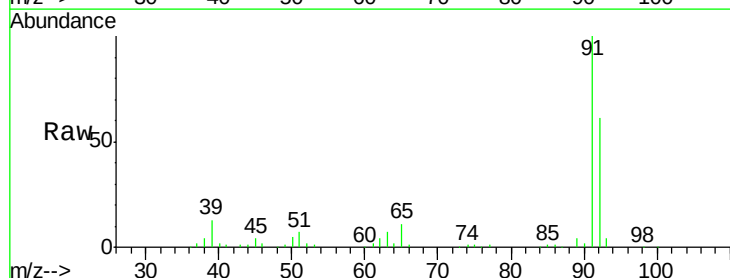
Acq: 20 Dec 2018 11:26

Tgt Ion: 92 Resp: 371862

Ion Ratio Lower Upper

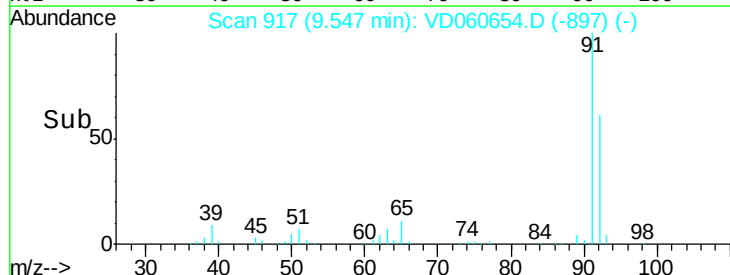
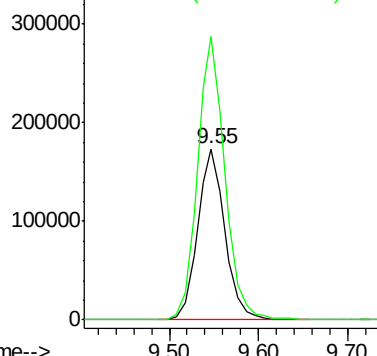
92 100

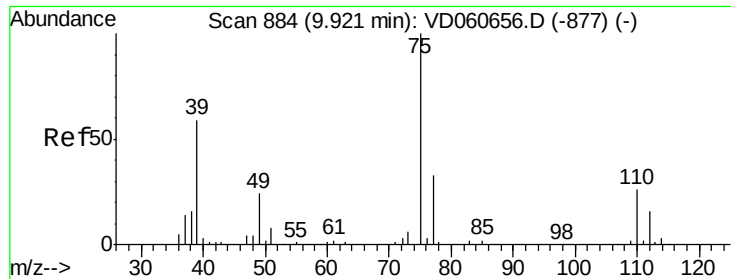
91 165.2 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.561 ug/l

RT: 9.91 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 158492

Ion Ratio Lower Upper

75 100

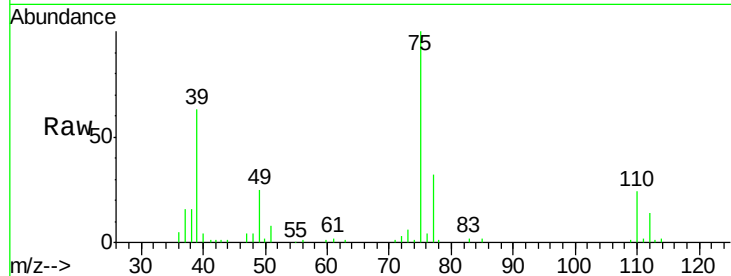
77 32.0 26.0 39.0

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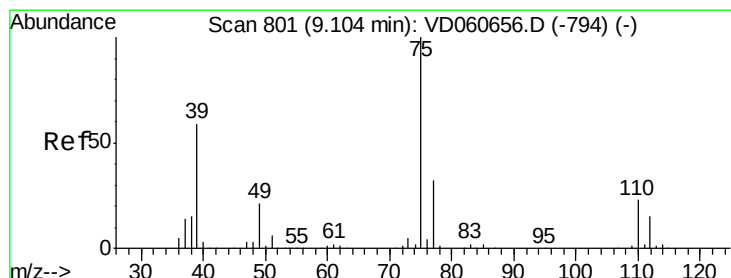
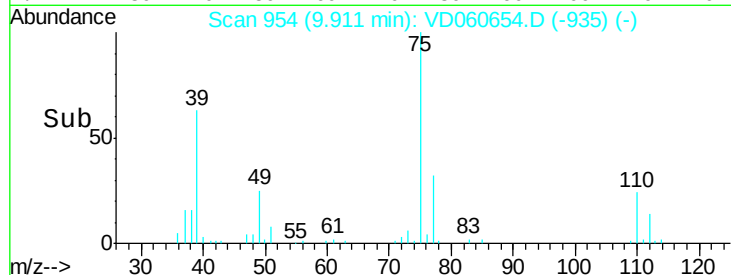
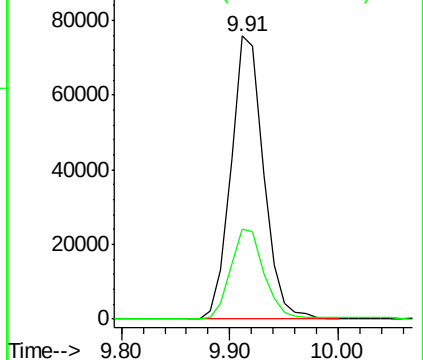
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.265 ug/l

RT: 9.10 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

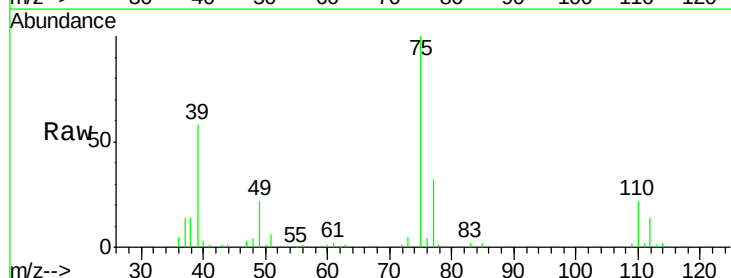
Tgt Ion: 75 Resp: 200768

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

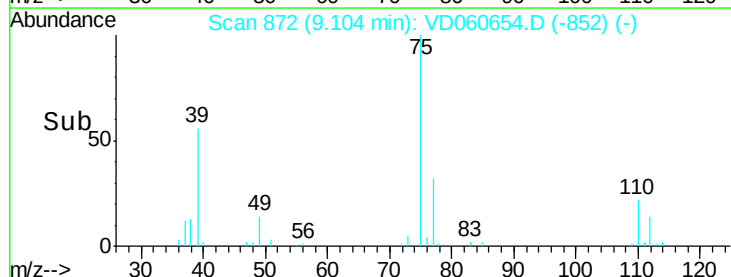
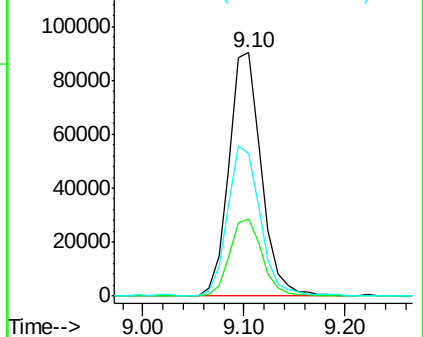
39 58.3 47.0 70.4

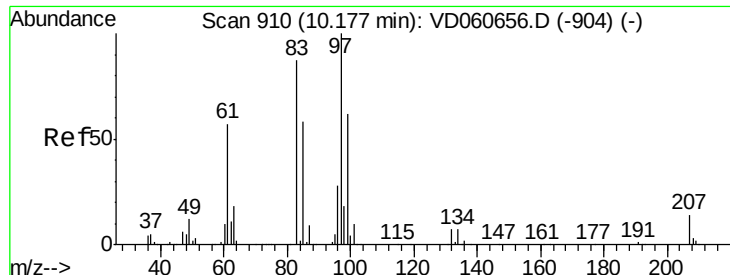


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





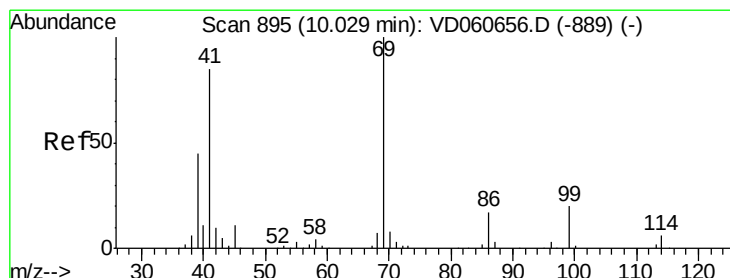
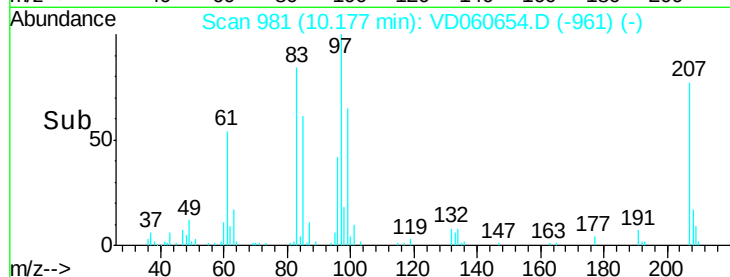
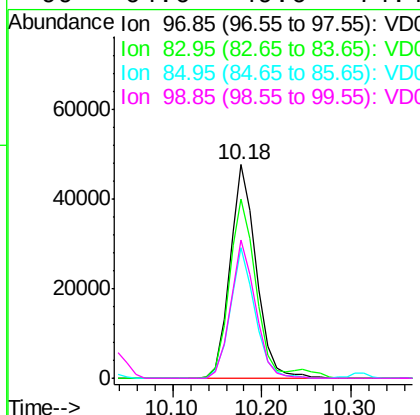
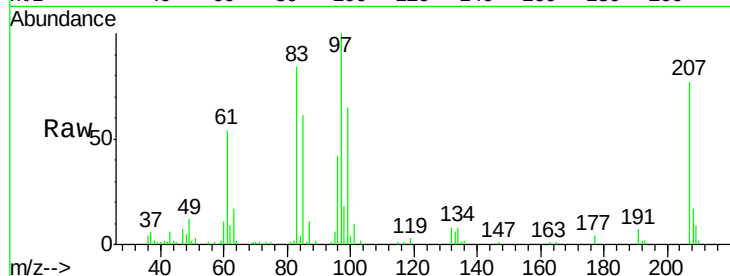
#55
 1,1,2-Trichloroethane
 Concen: 10.189 ug/l
 RT: 10.18 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	98379
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.0	105.0
85	61.1	46.6	70.0
99	64.6	49.6	74.4

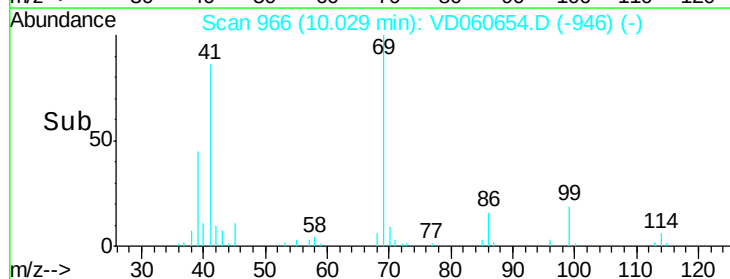
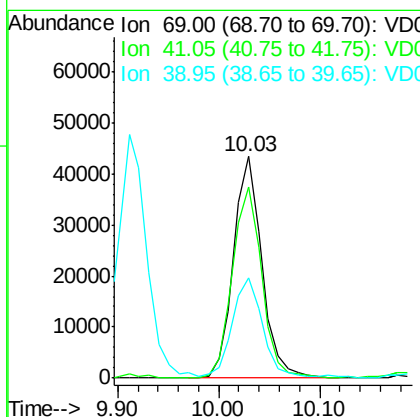
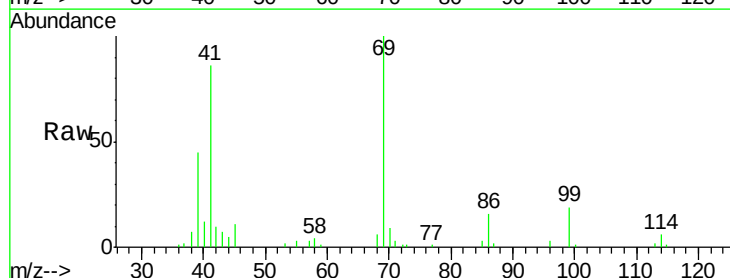
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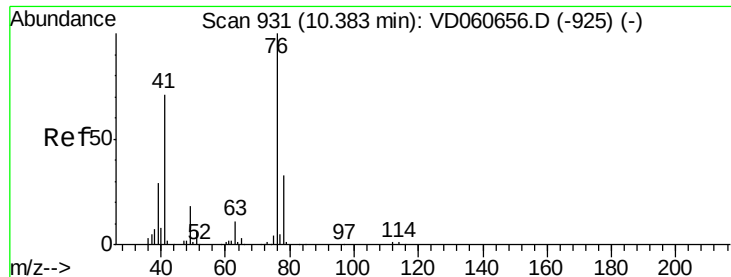
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#56
 Ethyl methacrylate
 Concen: 8.593 ug/l
 RT: 10.03 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:	69	Resp:	84870
Ion	Ratio	Lower	Upper
69	100		
41	86.1	68.3	102.5
39	45.5	37.2	55.8





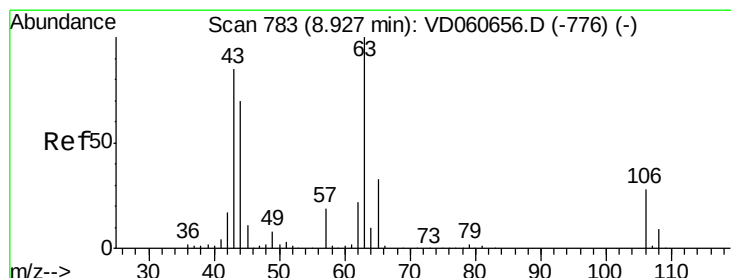
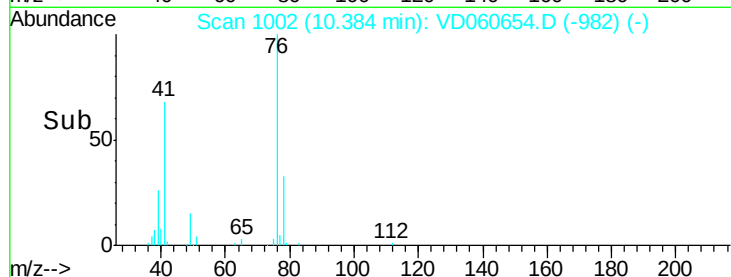
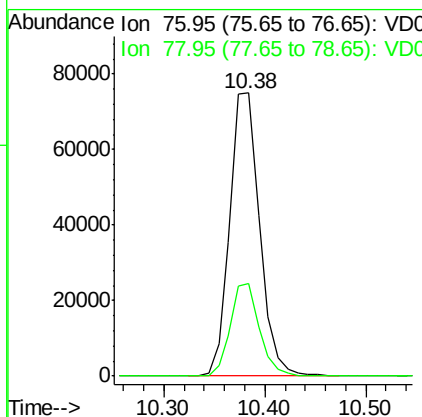
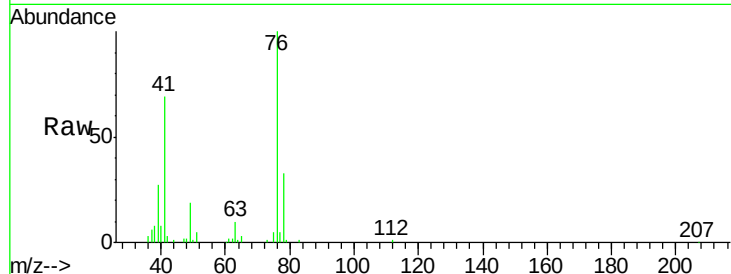
#57
 1,3-Dichloropropane
 Concen: 10.015 ug/l
 RT: 10.38 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 154213
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

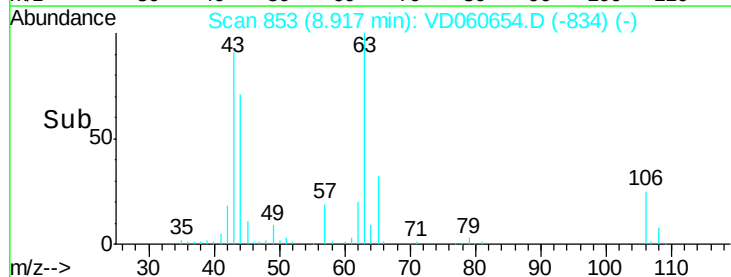
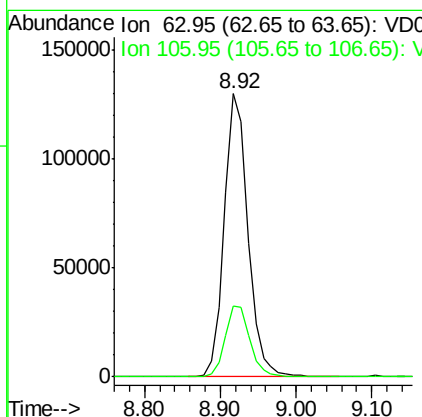
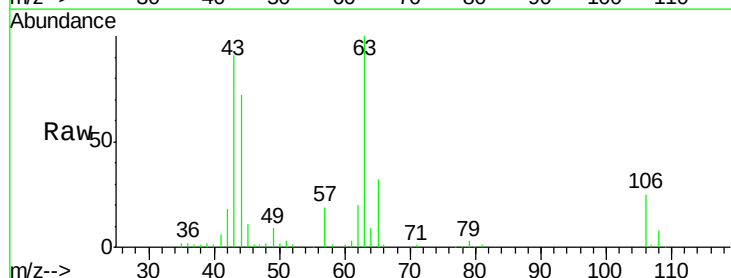
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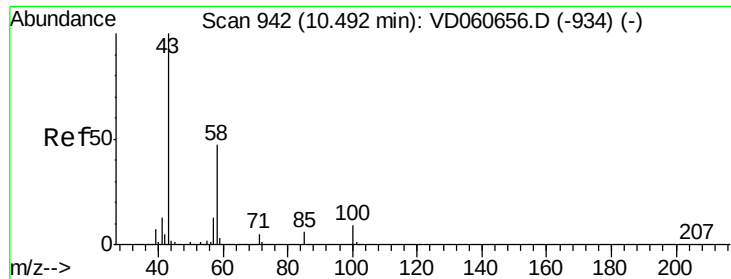
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#58
 2-Chloroethyl Vinyl ether
 Concen: 53.940 ug/l
 RT: 8.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 63 Resp: 281105
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.4 33.6





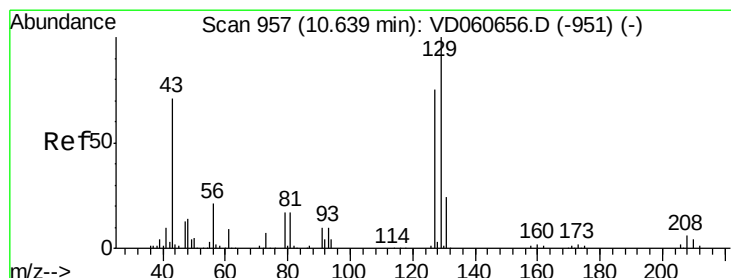
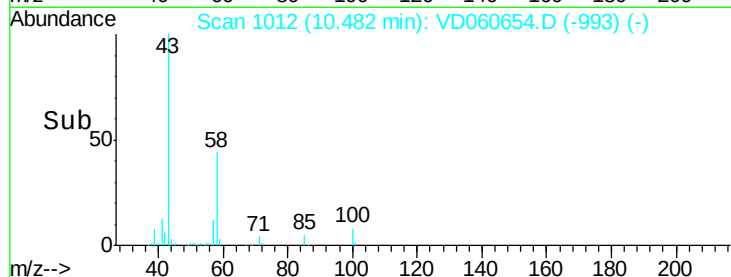
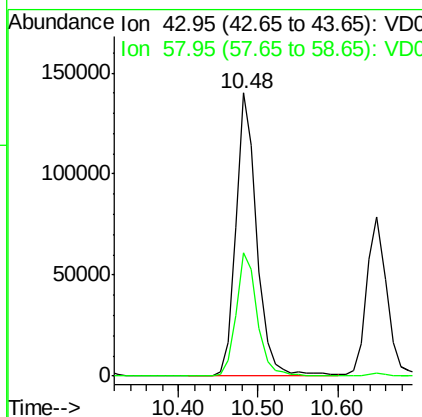
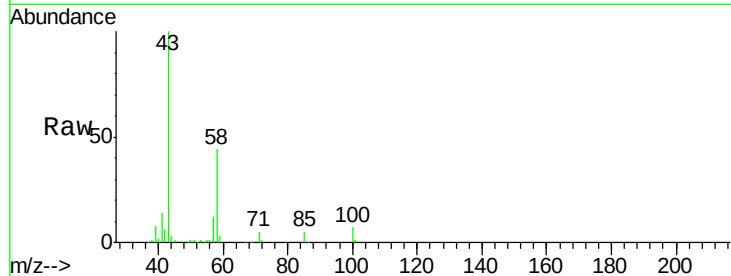
#59
2-Hexanone
Concen: 47.729 ug/l
RT: 10.48 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 257608
Ion Ratio Lower Upper
43 100
58 43.6 23.5 70.5

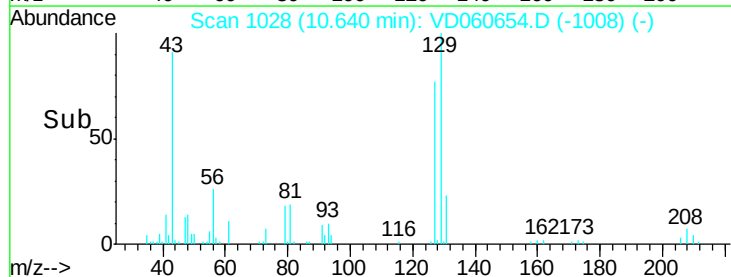
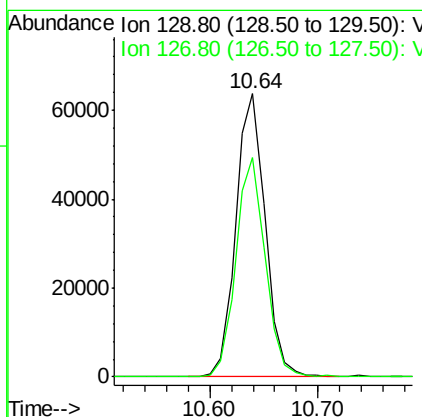
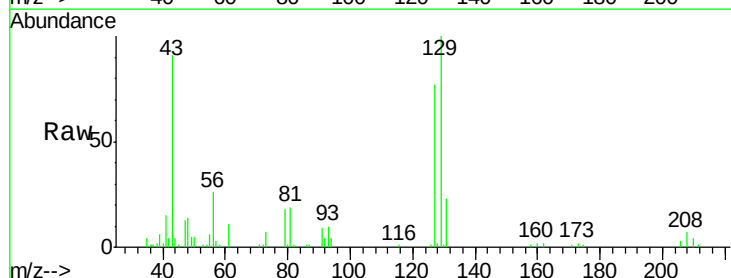
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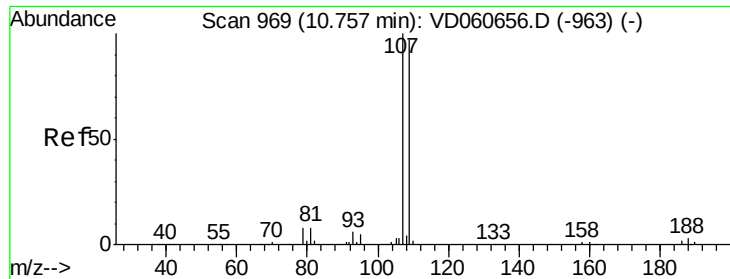
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#60
Dibromochloromethane
Concen: 9.148 ug/l
RT: 10.64 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 129 Resp: 119758
Ion Ratio Lower Upper
129 100
127 77.4 37.6 112.9





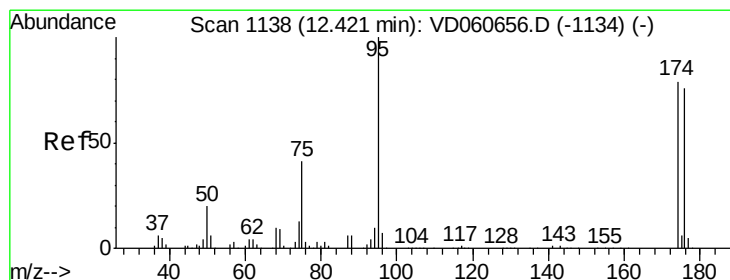
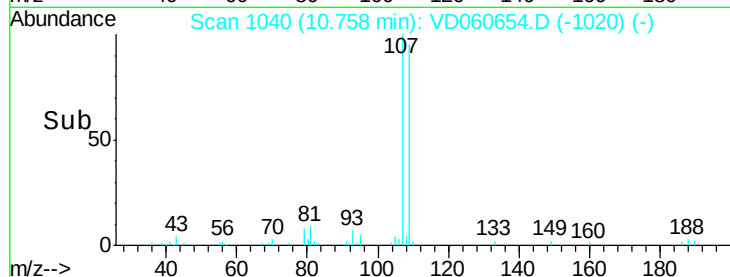
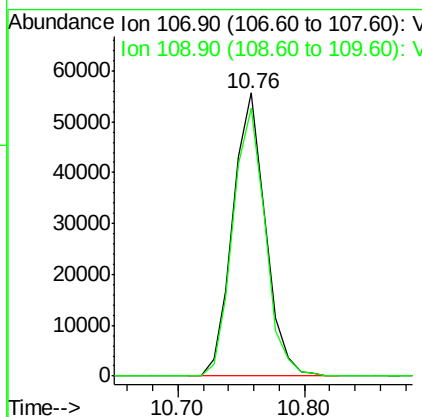
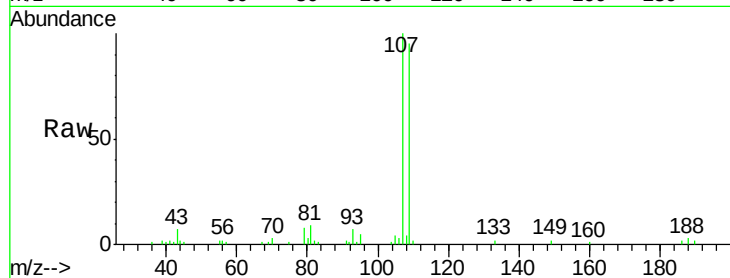
#61
 1,2-Dibromoethane
 Concen: 9.543 ug/l
 RT: 10.76 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 107 Resp: 99112
 Ion Ratio Lower Upper
 107 100
 109 94.7 78.0 117.0

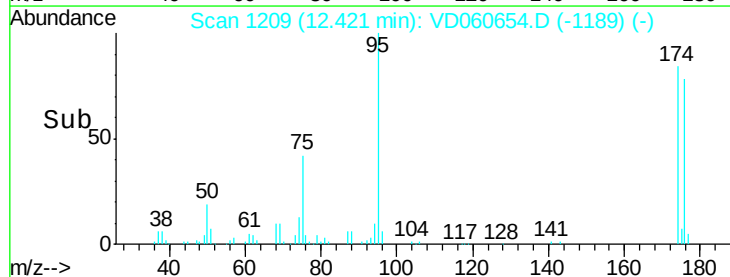
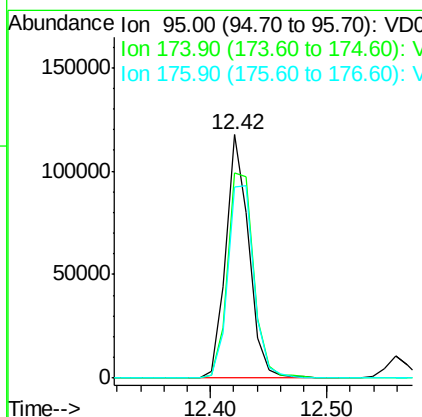
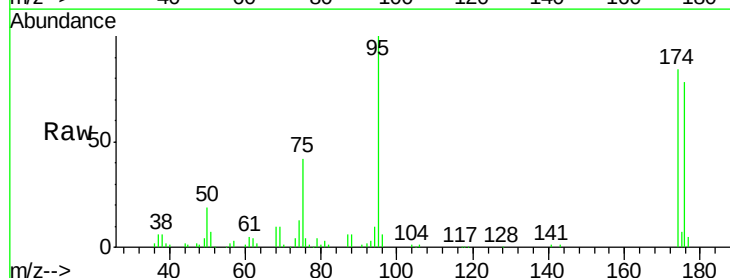
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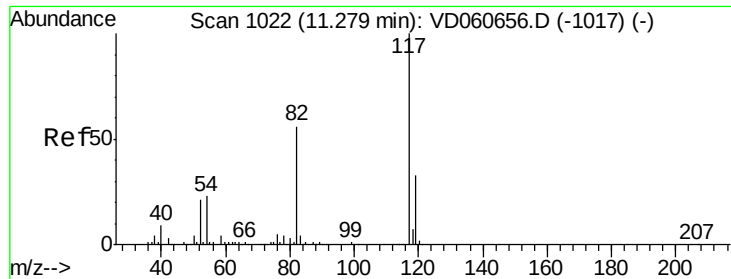
apatel
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#62
 4-Bromofluorobenzene
 Concen: 9.543 ug/l
 RT: 12.42 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion: 95 Resp: 160249
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 158.2
 176 78.3 0.0 152.4





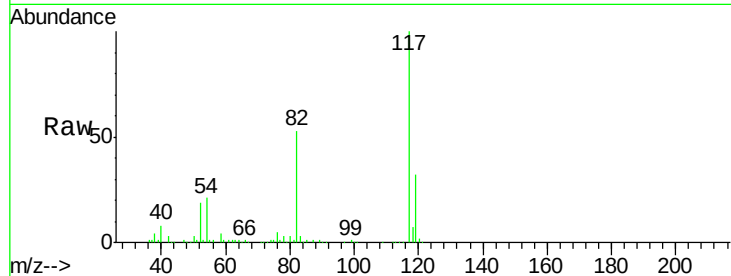
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

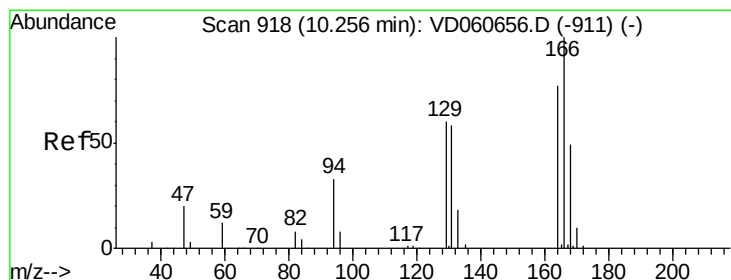
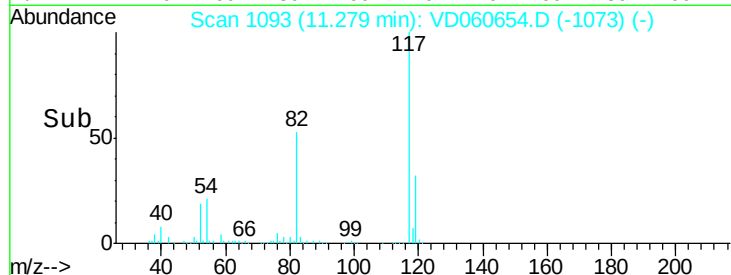
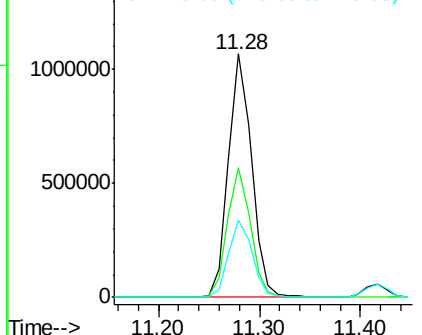
Tgt Ion:117 Resp: 1715160
Ion Ratio Lower Upper
117 100
82 53.3 44.5 66.7
119 31.7 26.3 39.5

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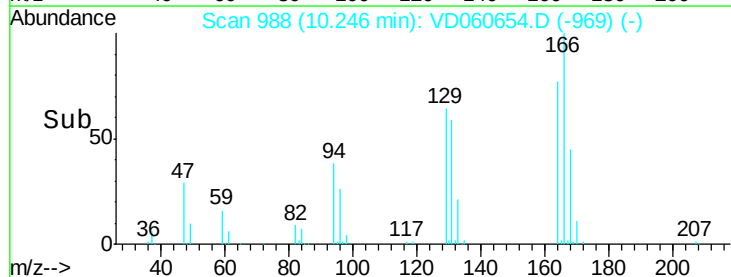
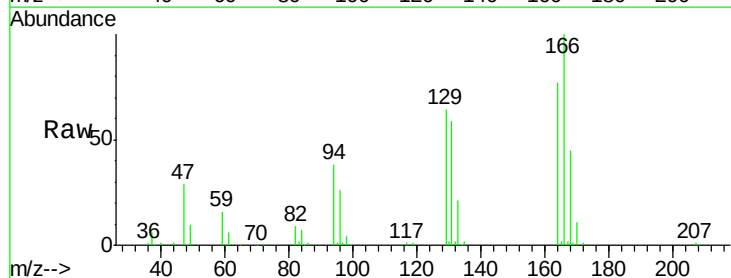
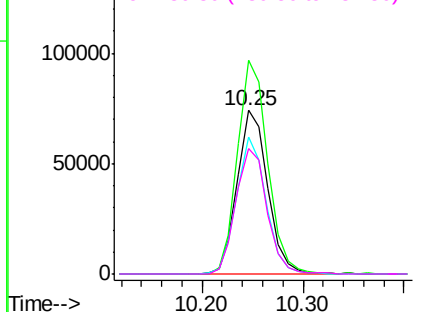
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

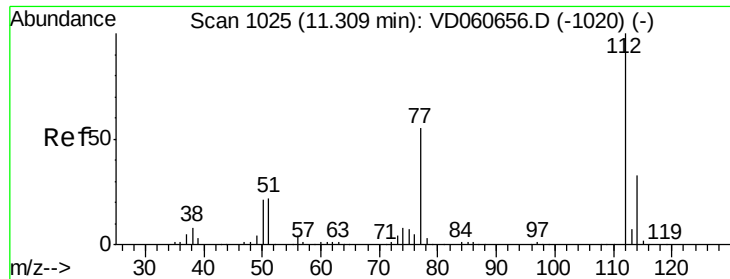


#64
Tetrachloroethene
Concen: 9.409 ug/l
RT: 10.25 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:164 Resp: 156052
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 83.7 62.7 94.1
131 76.9 61.1 91.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





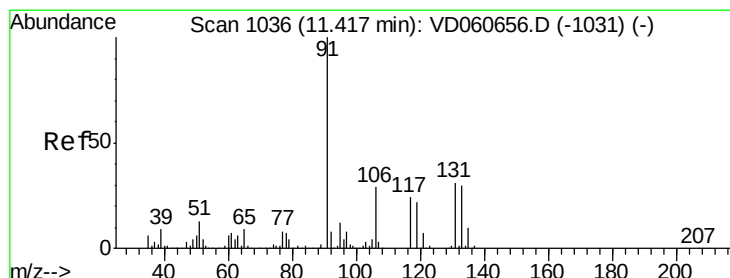
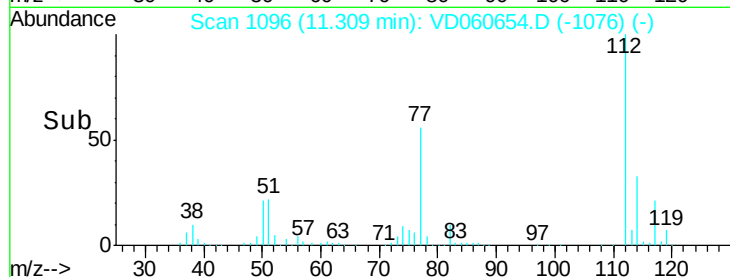
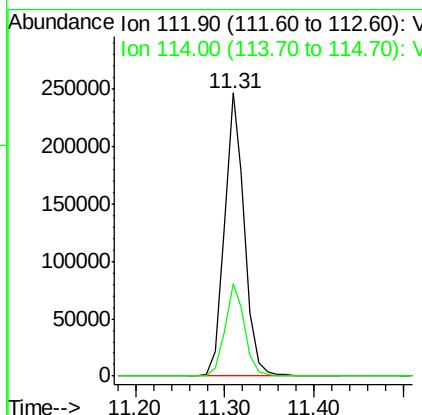
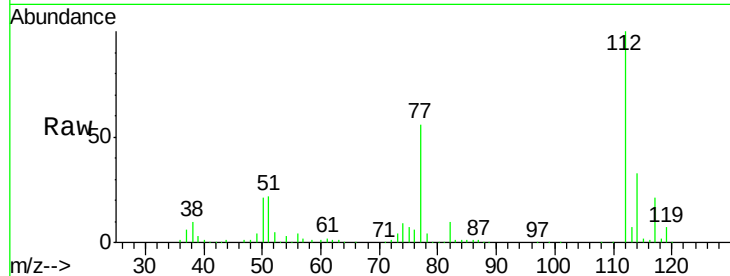
#65
Chlorobenzene
Concen: 9.596 ug/l
RT: 11.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 386705
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1

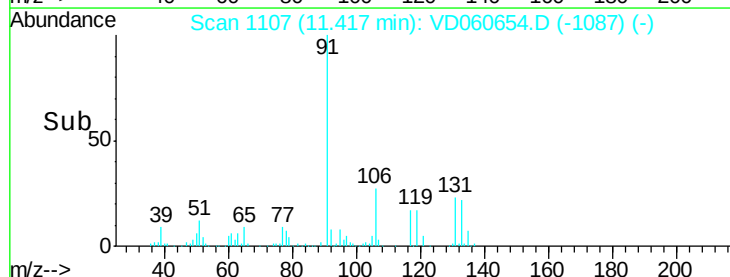
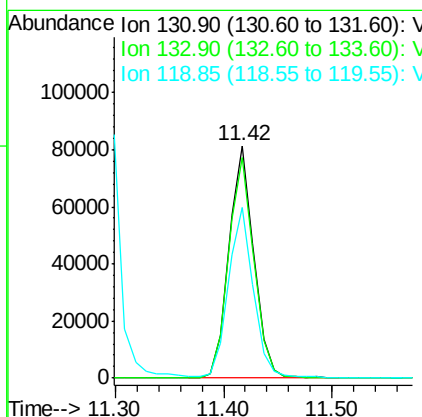
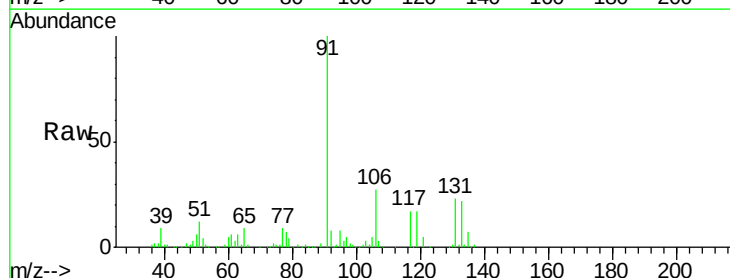
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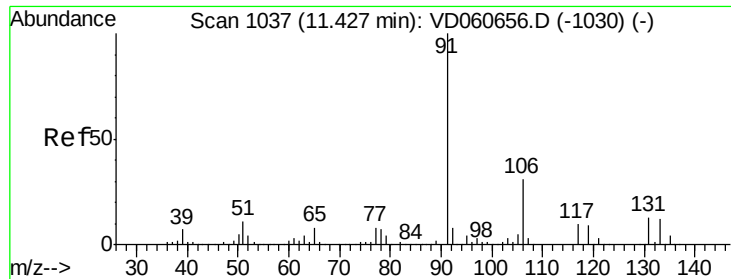
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.868 ug/l
RT: 11.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:131 Resp: 130326
Ion Ratio Lower Upper
131 100
133 94.8 49.1 147.3
119 73.6 36.6 109.8





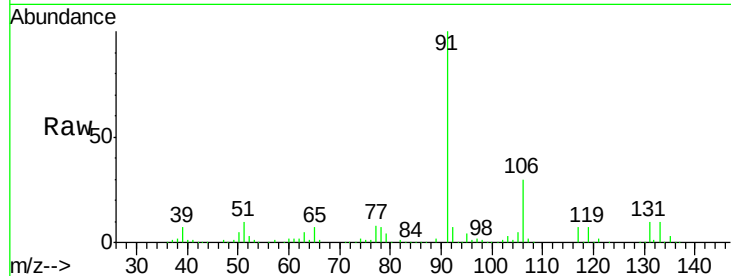
#67
Ethyl Benzene
Concen: 10.270 ug/l
RT: 11.43 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

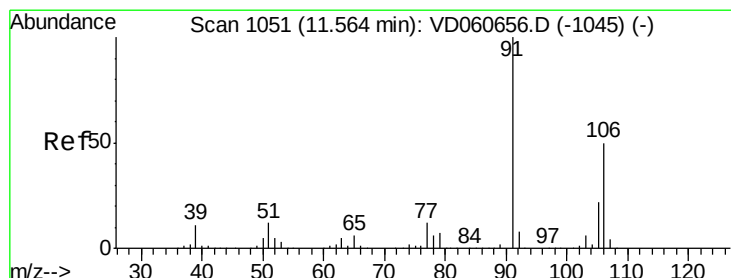
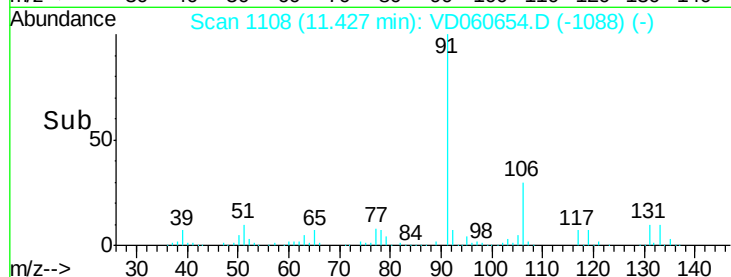
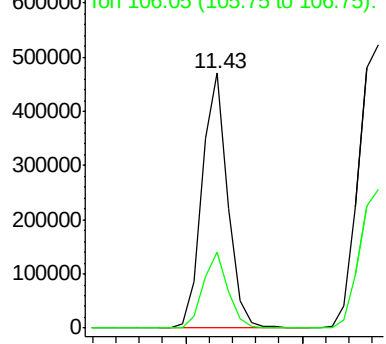
Tgt Ion: 91 Resp: 711067
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8

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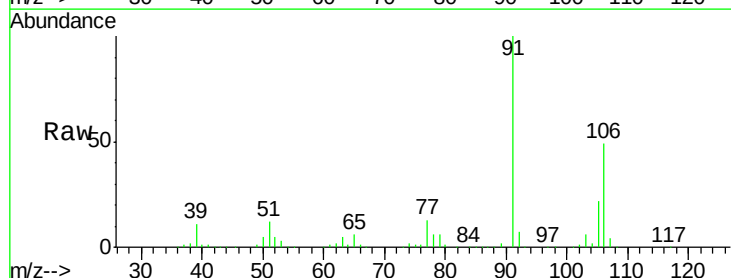


Abundance Ion 91.00 (90.70 to 91.70): VD060654.D (-1030) (-)
Ion 106.05 (105.75 to 106.75): VD060654.D (-1030) (-)

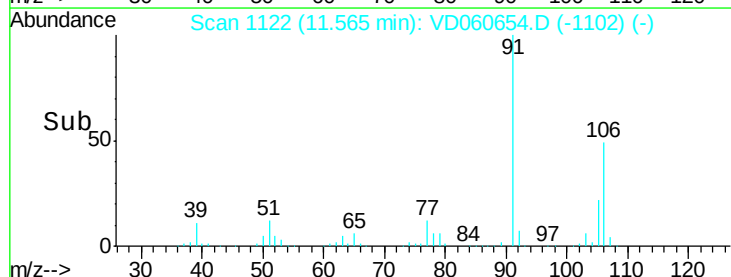
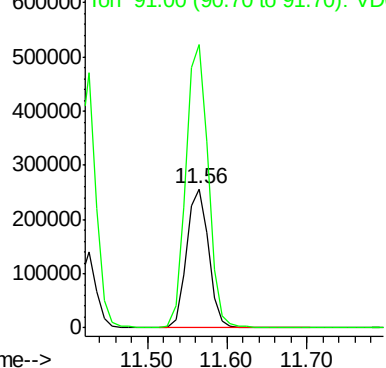


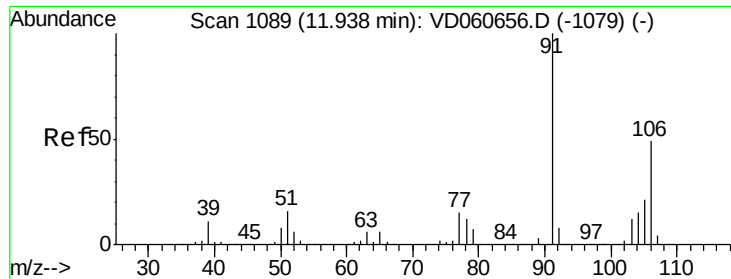
#68
m/p-Xylenes
Concen: 19.962 ug/l
RT: 11.56 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 106 Resp: 501938
Ion Ratio Lower Upper
106 100
91 203.8 158.9 238.3



Abundance Ion 106.05 (105.75 to 106.75): VD060654.D (-1102) (-)
Ion 91.00 (90.70 to 91.70): VD060654.D (-1102) (-)





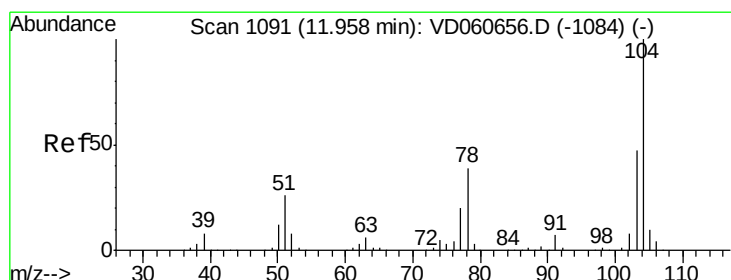
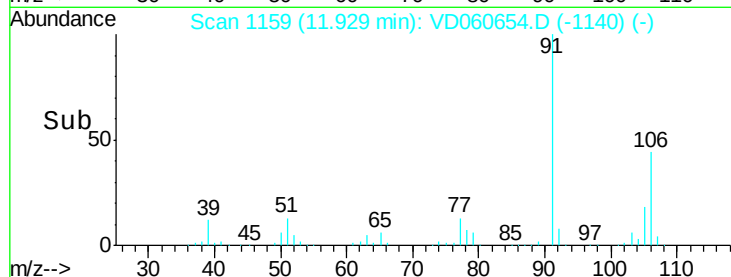
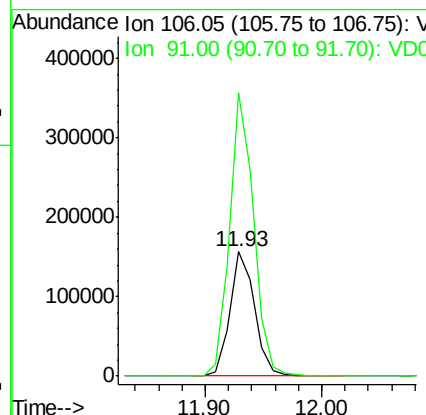
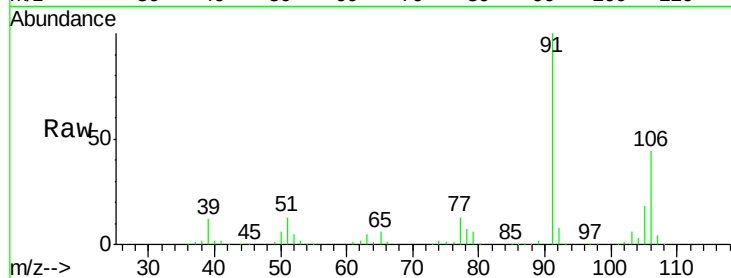
#69
o-Xylene
Concen: 9.392 ug/l
RT: 11.93 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 228948
Ion Ratio Lower Upper
106 100
91 228.0 101.5 304.5

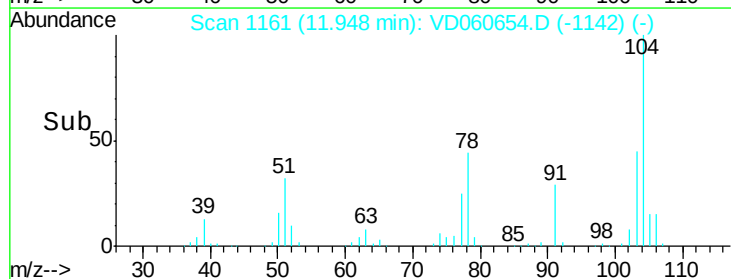
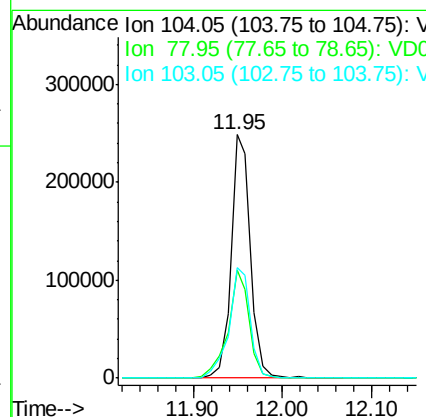
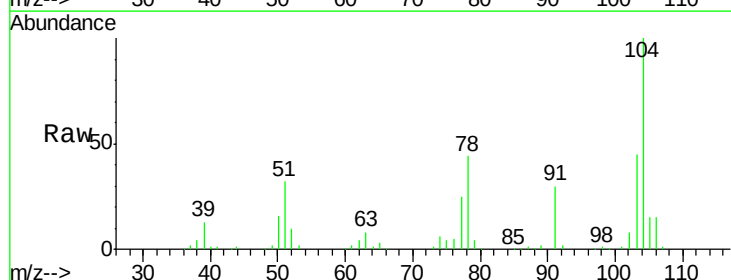
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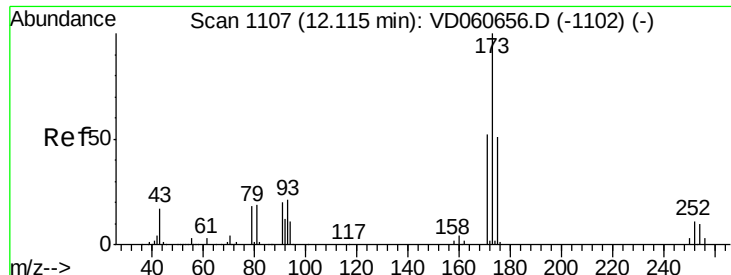
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#70
Styrene
Concen: 9.671 ug/l
RT: 11.95 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion:104 Resp: 380395
Ion Ratio Lower Upper
104 100
78 44.5 31.4 47.2
103 45.3 37.5 56.3





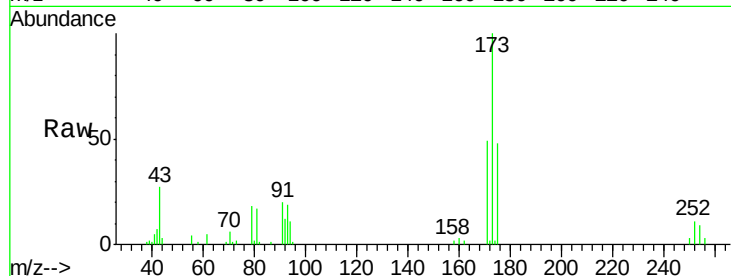
#71
Bromoform
Concen: 8.606 ug/l
RT: 12.12 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

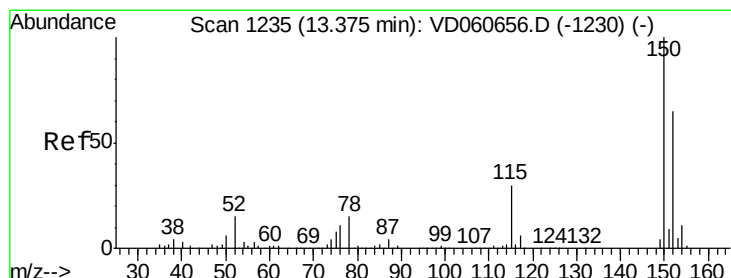
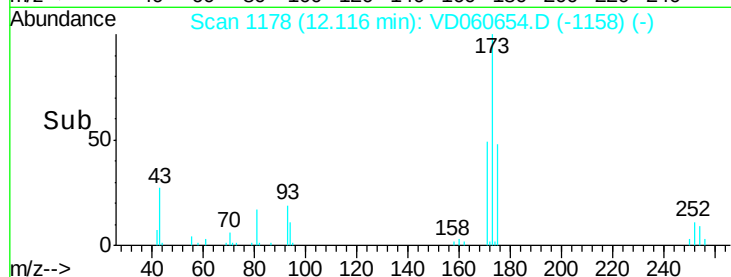
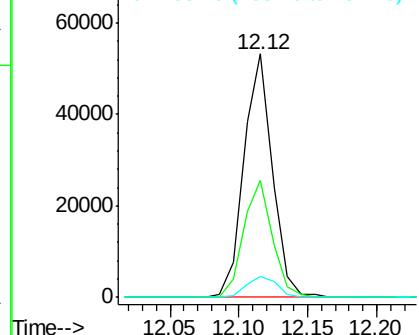
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.5	76.5
254	8.8	7.9	11.9

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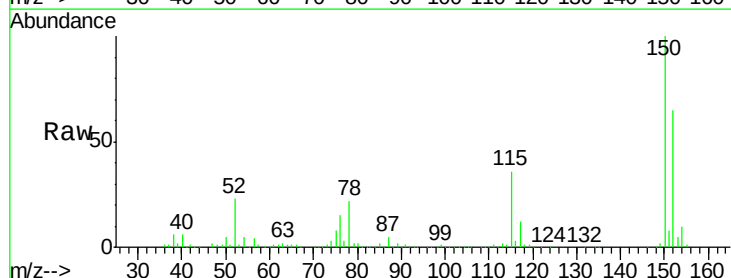


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

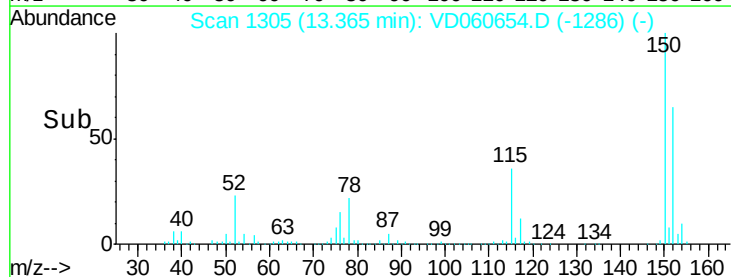
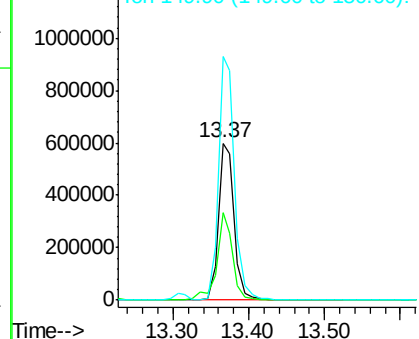


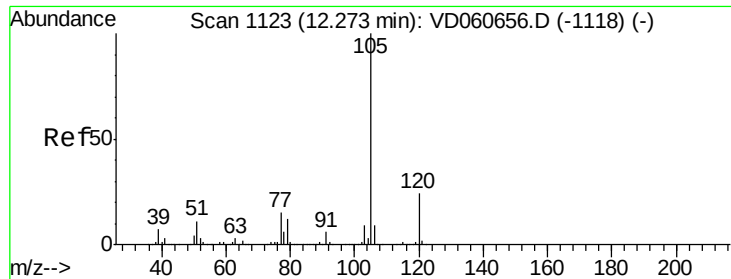
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	24.1	72.3
150	155.0	0.0	315.0



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





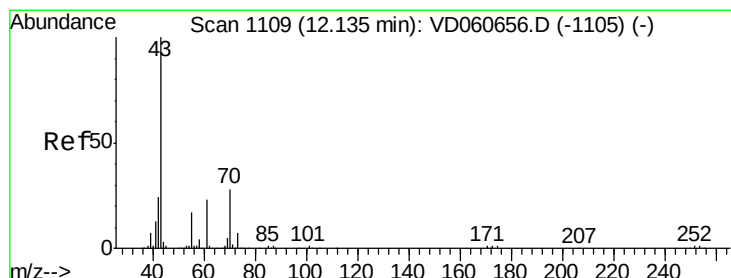
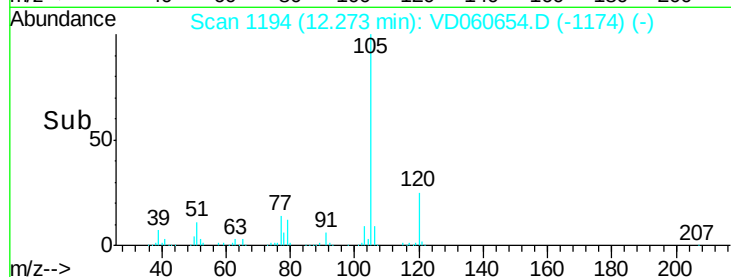
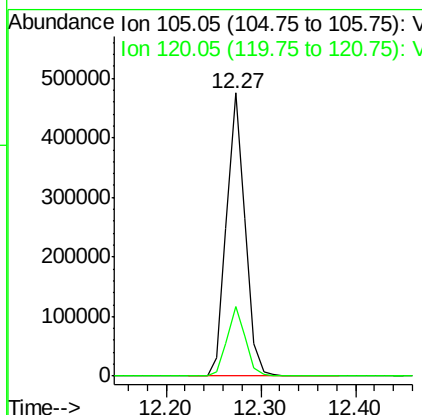
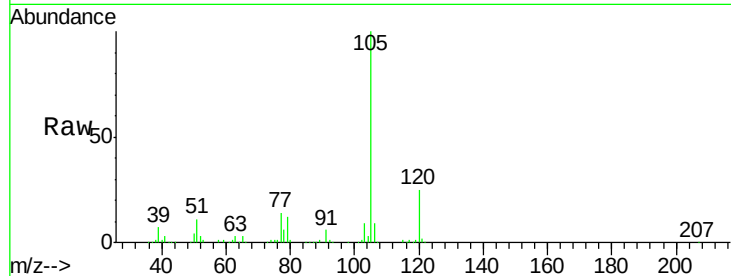
#73
Isopropylbenzene
Concen: 9.609 ug/l
RT: 12.27 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 105 Resp: 644486
Ion Ratio Lower Upper
105 100
120 24.5 12.2 36.4

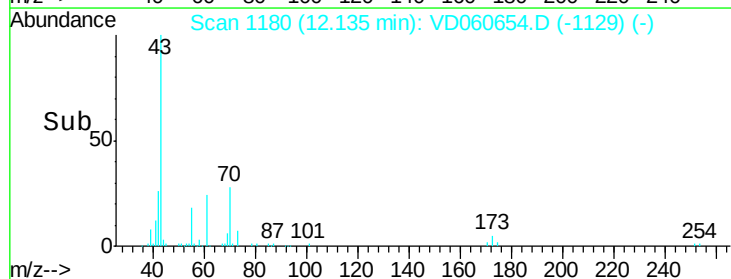
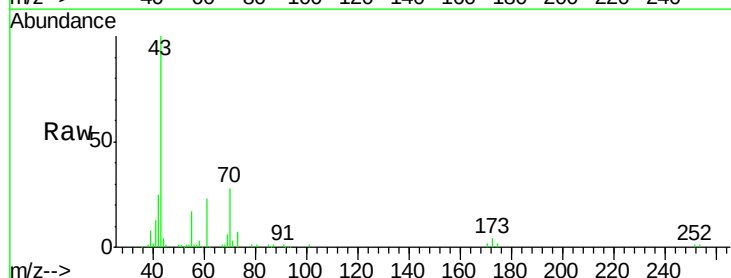
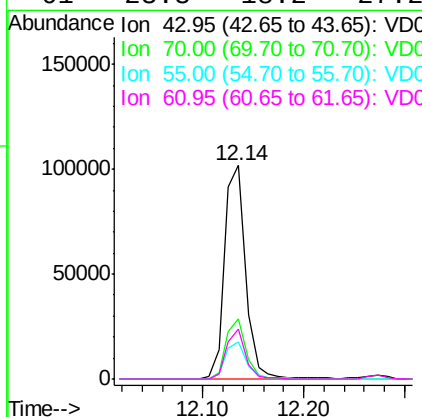
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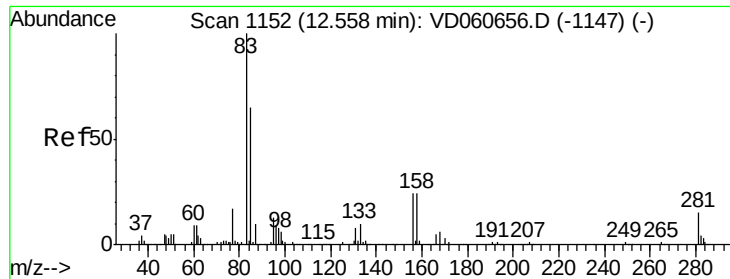
apatel
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#74
N-ethyl acetate
Concen: 9.337 ug/l
RT: 12.14 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 43 Resp: 148347
Ion Ratio Lower Upper
43 100
70 28.2 22.2 33.2
55 17.3 13.8 20.8
61 23.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 9.362 ug/l

RT: 12.56 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 104085

Ion Ratio Lower Upper

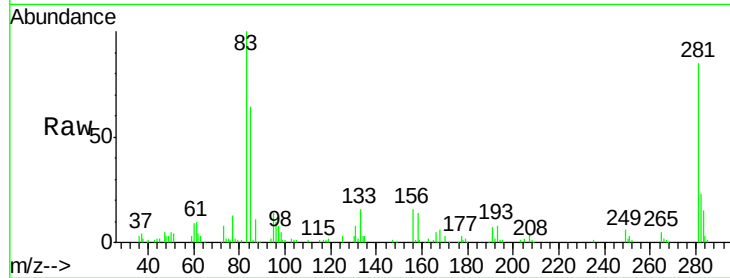
83 100

131 8.1 4.2 12.4

85 63.7 32.6 97.7

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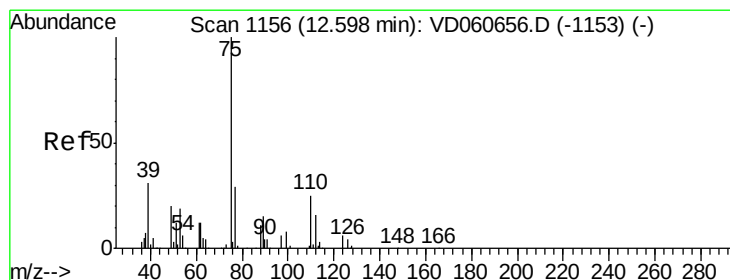
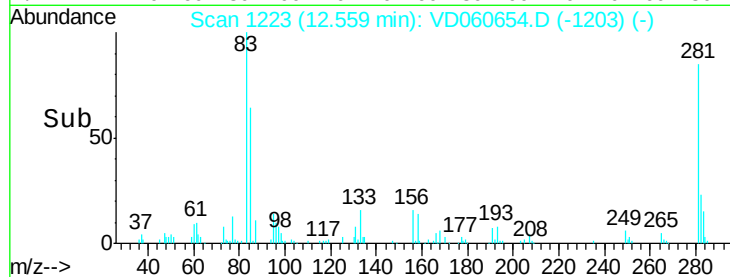
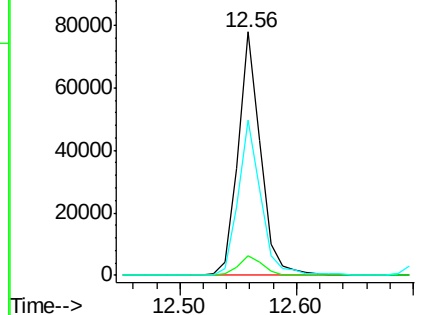
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.413 ug/l

RT: 12.60 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD060654.D

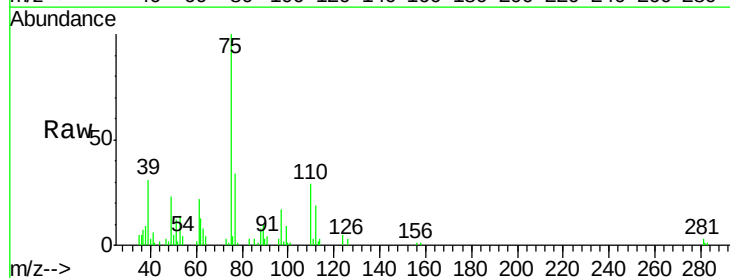
Acq: 20 Dec 2018 11:26

Tgt Ion: 75 Resp: 101592

Ion Ratio Lower Upper

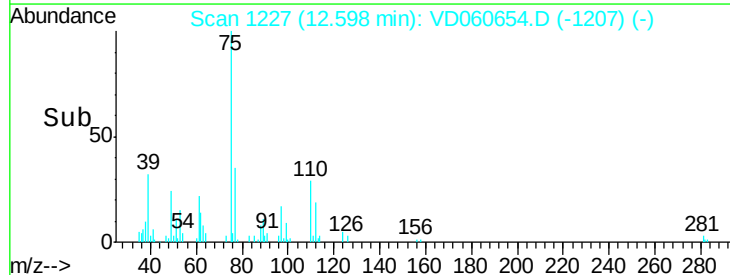
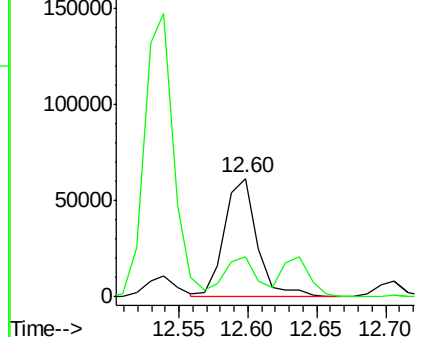
75 100

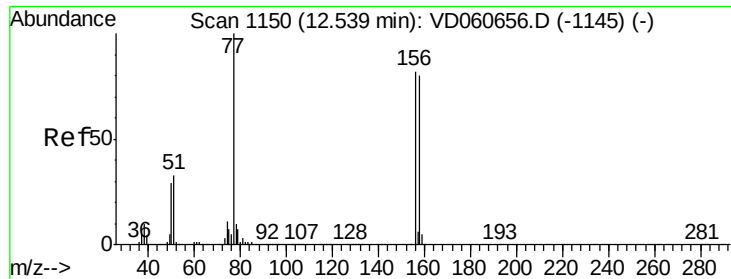
77 33.7 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





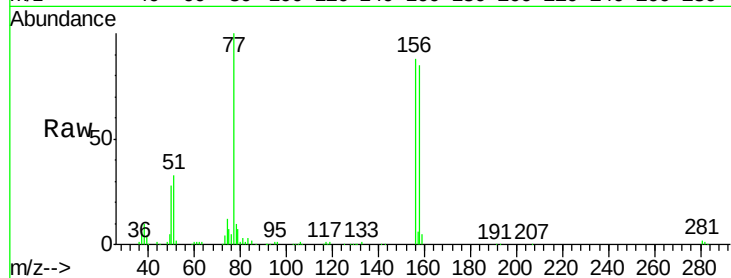
#77
Bromobenzene
Concen: 9.605 ug/l
RT: 12.54 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

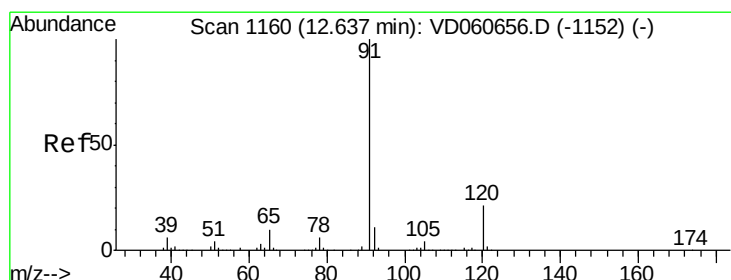
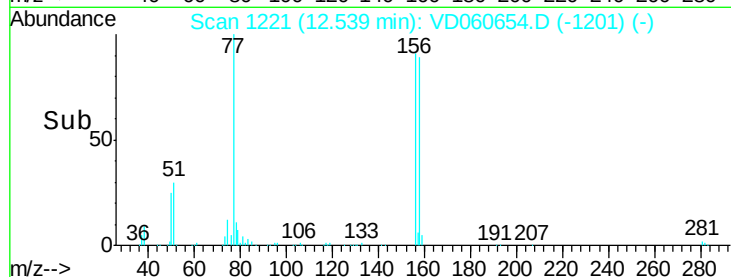
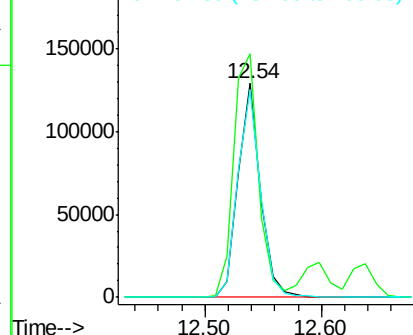
Tgt Ion	Ratio	Resp	Lower	Upper
156	100	171675		
77	114.0	61.3	183.9	
158	97.2	48.9	146.6	

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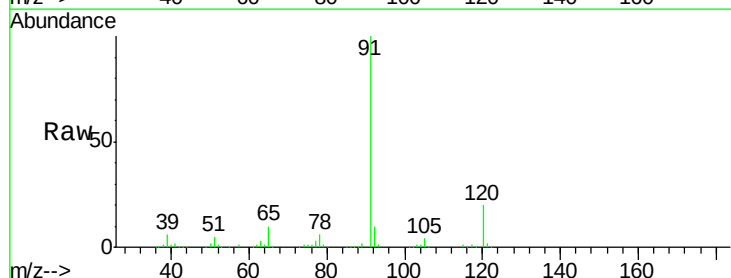


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

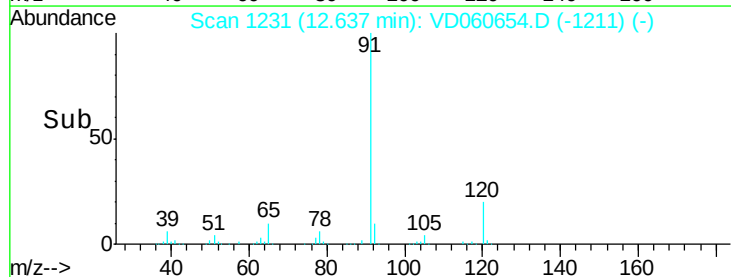
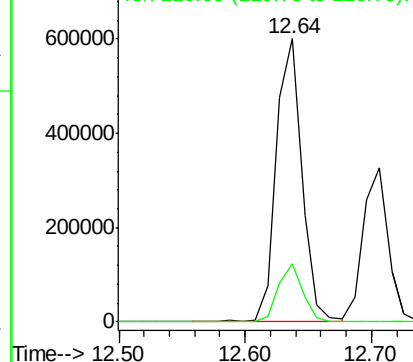


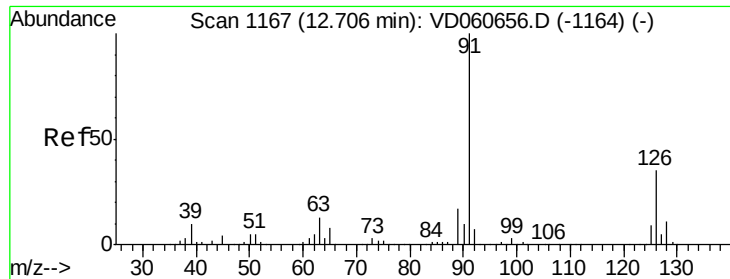
#78
n-propylbenzene
Concen: 9.973 ug/l
RT: 12.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	852253		
120	20.5	10.4	31.2	



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 9.799 ug/l

RT: 12.71 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 454039

Ion Ratio Lower Upper

91 100

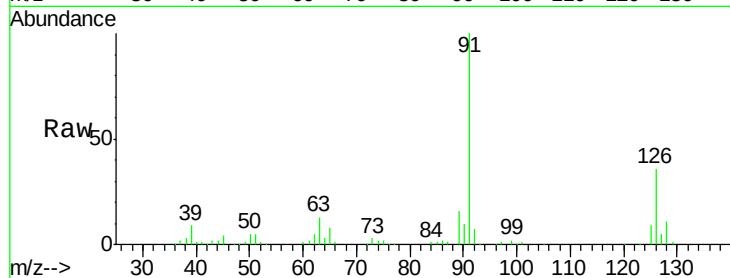
126 35.8 17.2 51.5

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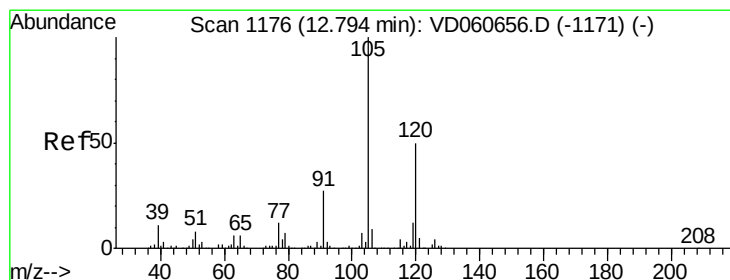
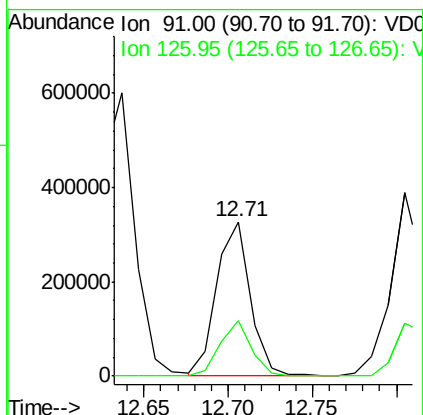
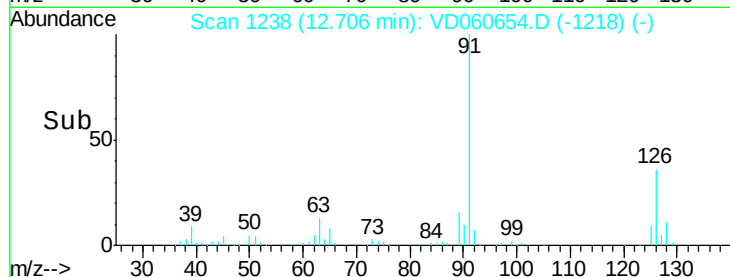
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Abundance Ion 91.00 (90.70 to 91.70): VD060654.D (-1218) (-)

Ion 125.95 (125.65 to 126.65): VD060654.D (-1218) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.098 ug/l

RT: 12.79 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060654.D

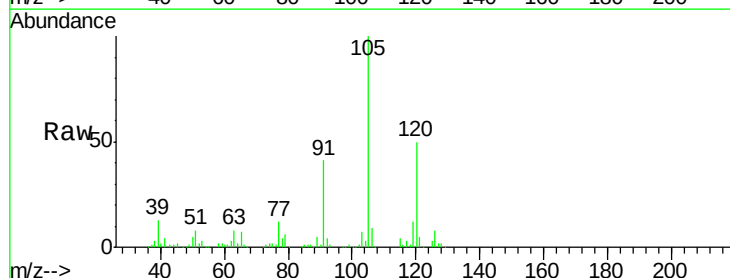
Acq: 20 Dec 2018 11:26

Tgt Ion: 105 Resp: 521173

Ion Ratio Lower Upper

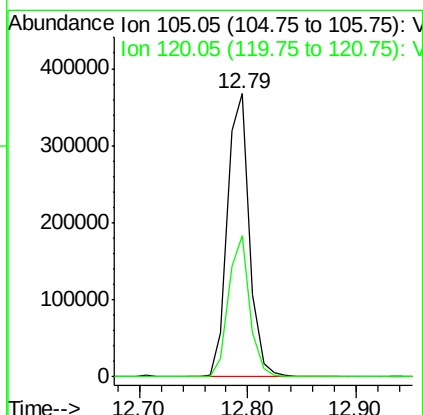
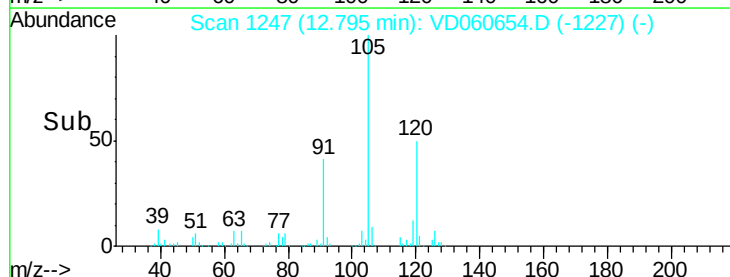
105 100

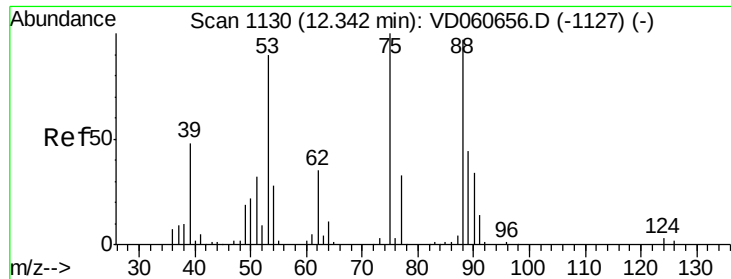
120 50.0 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060654.D (-1227) (-)

Ion 120.05 (119.75 to 120.75): VD060654.D (-1227) (-)





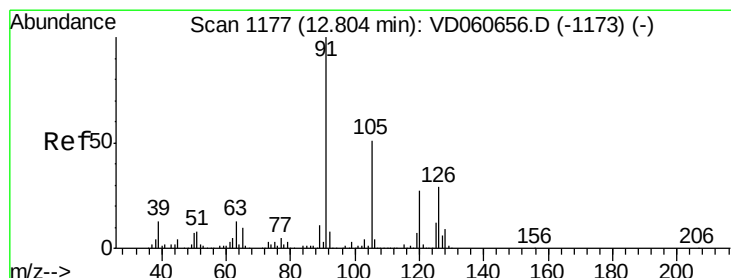
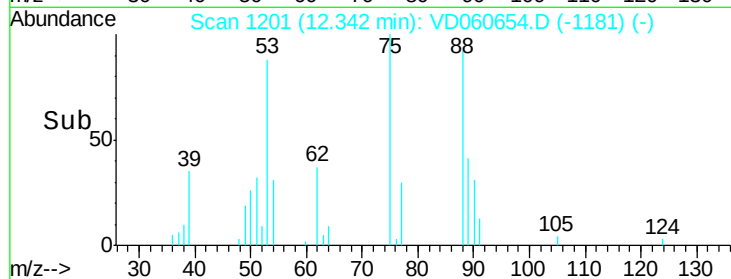
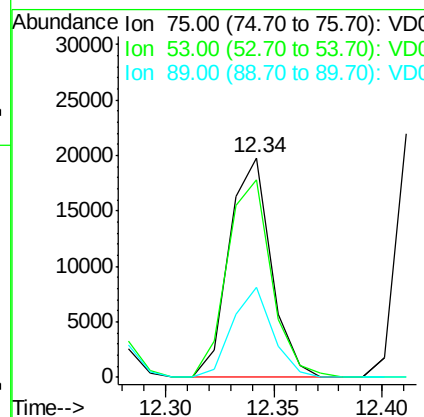
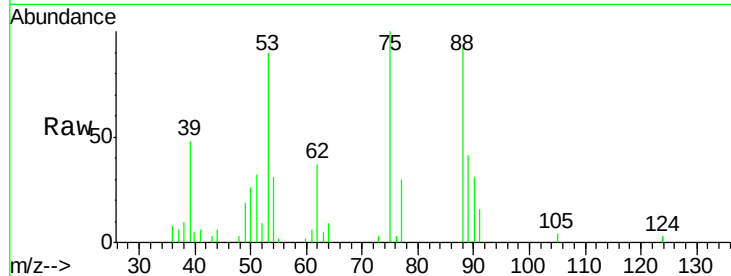
#81
trans-1,4-Dichloro-2-butene
Concen: 8.543 ug/l
RT: 12.34 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.2	72.1	108.1
89	40.8	35.1	52.7

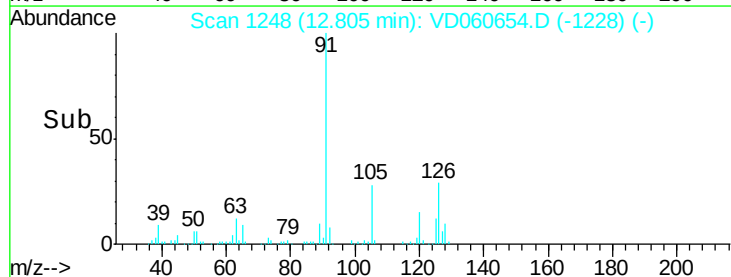
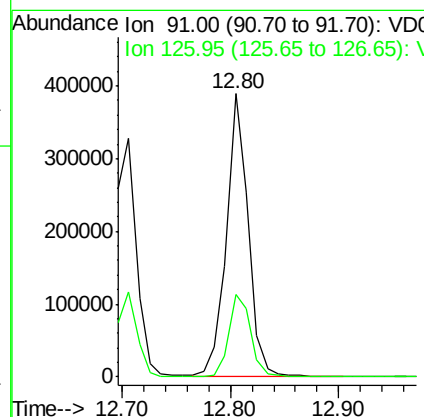
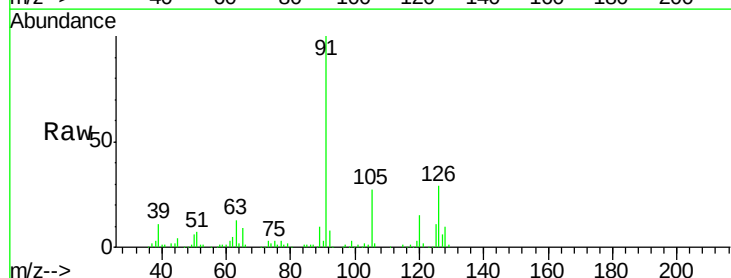
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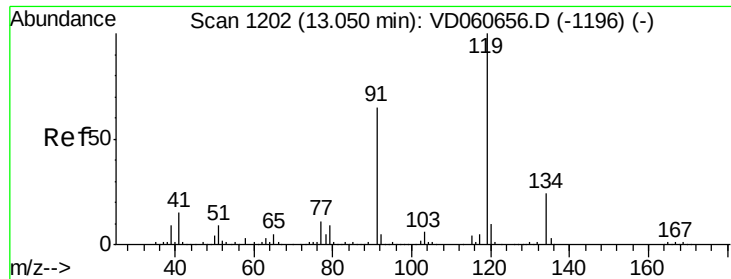
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#82
4-Chlorotoluene
Concen: 10.636 ug/l
RT: 12.80 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.6	43.8





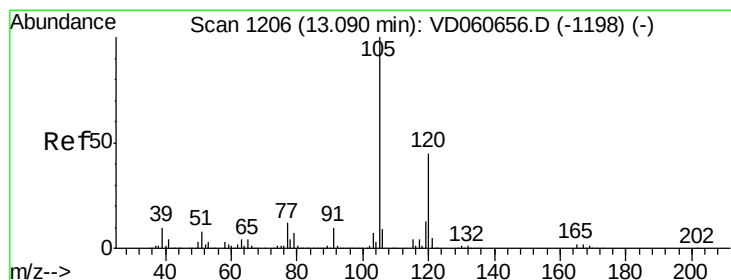
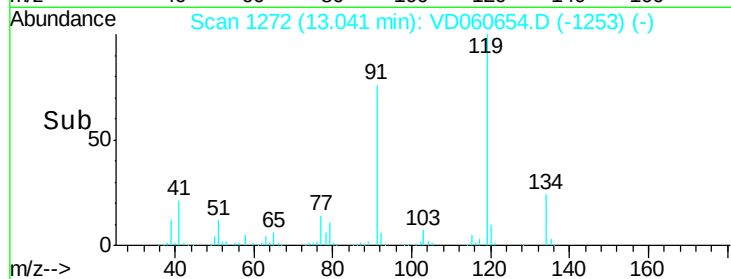
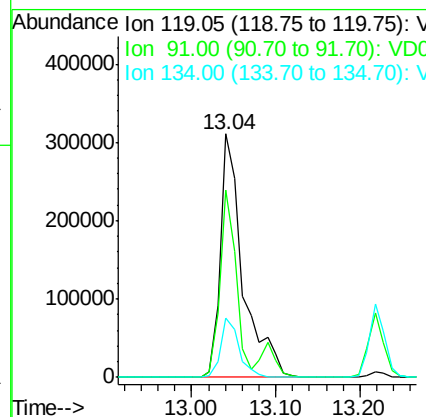
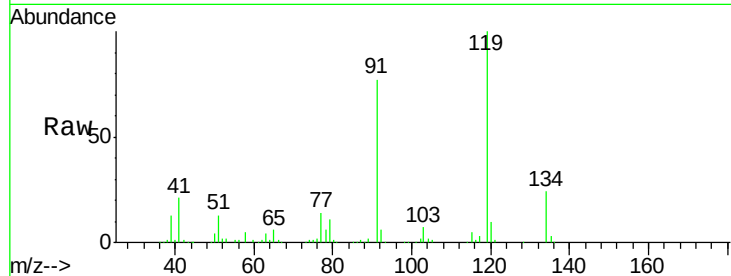
#83
 tert-Butylbenzene
 Concen: 9.877 ug/l
 RT: 13.04 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	581000		
91	76.7	32.5	97.4	
134	24.2	11.9	35.9	

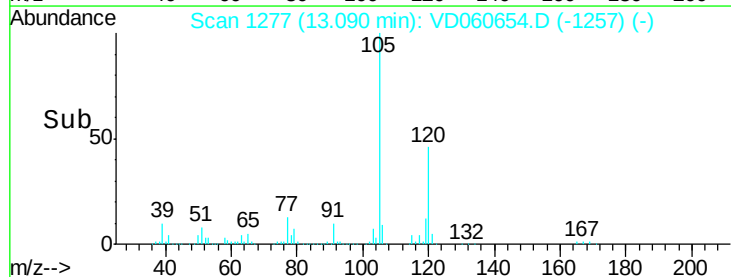
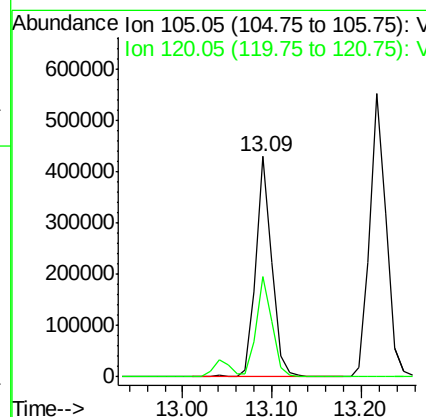
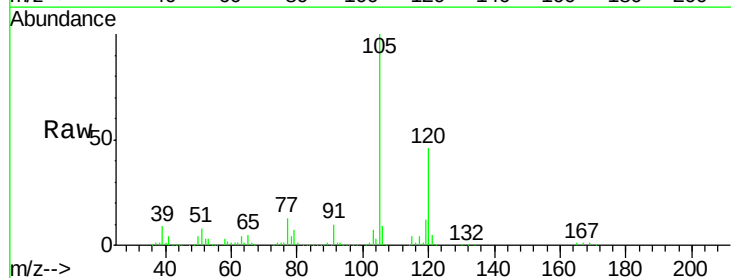
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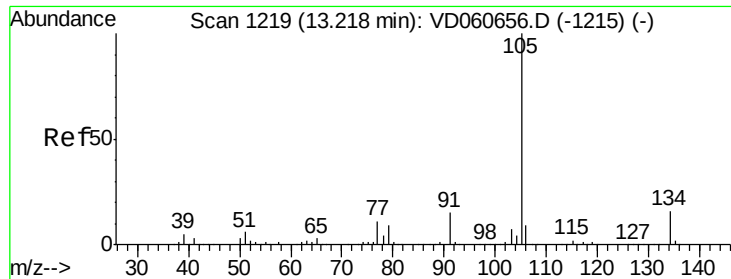
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.854 ug/l
 RT: 13.09 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	528310		
120	45.5	22.4	67.0	





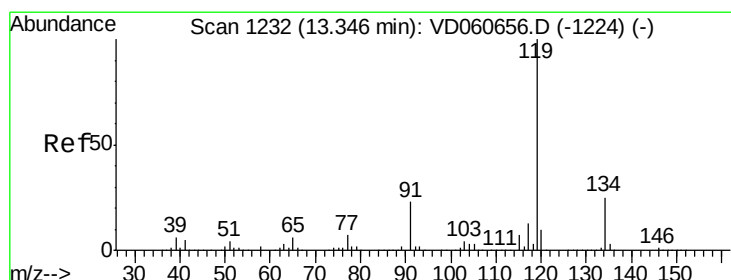
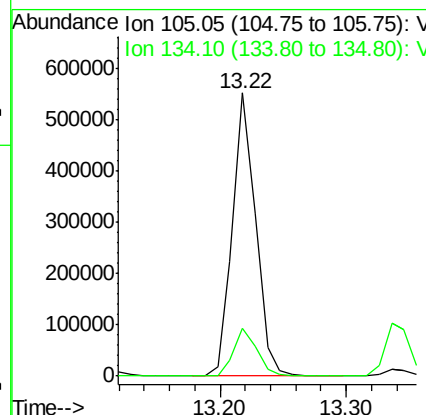
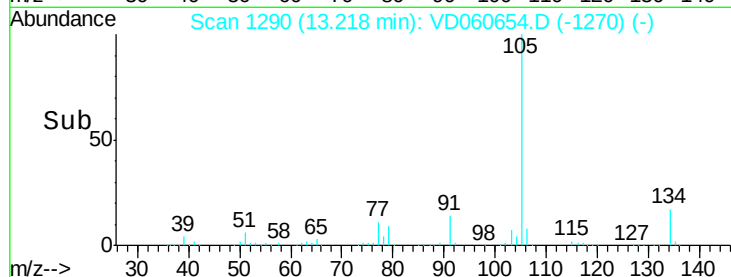
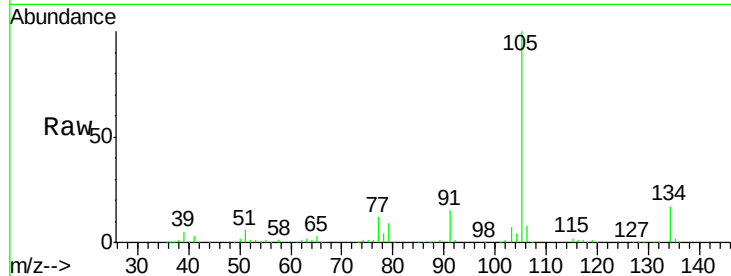
#85
 sec-Butylbenzene
 Concen: 9.531 ug/l
 RT: 13.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 697894
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4

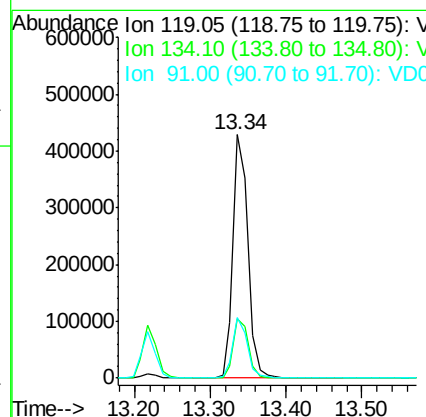
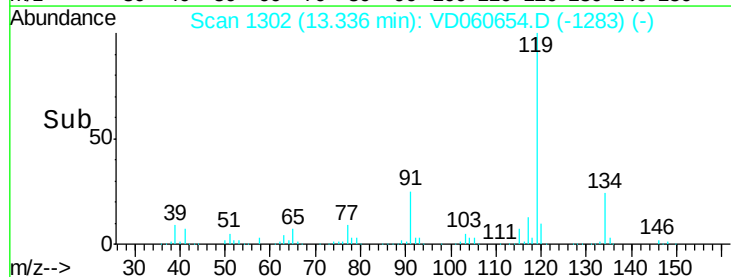
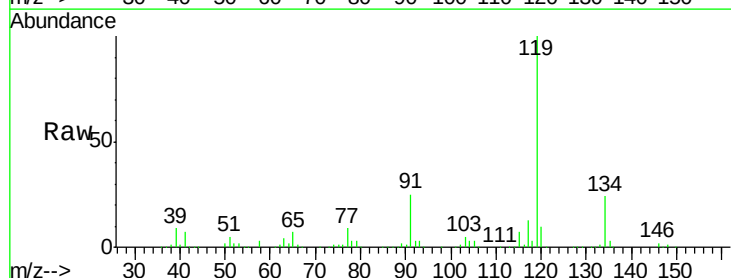
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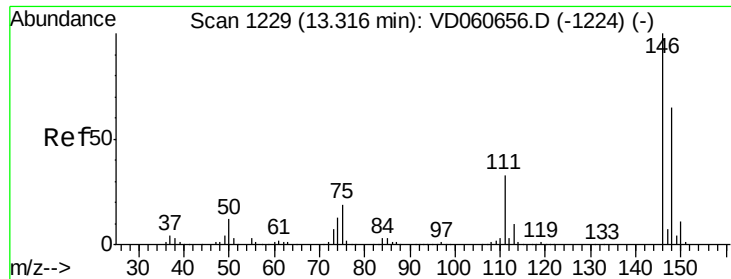
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#86
 p-Isopropyltoluene
 Concen: 10.203 ug/l
 RT: 13.34 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion:119 Resp: 584129
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.5 37.5
 91 25.1 11.4 34.2





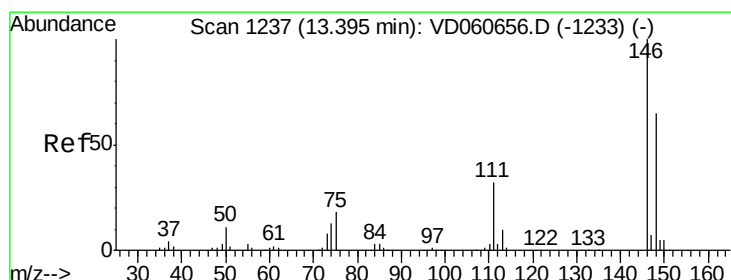
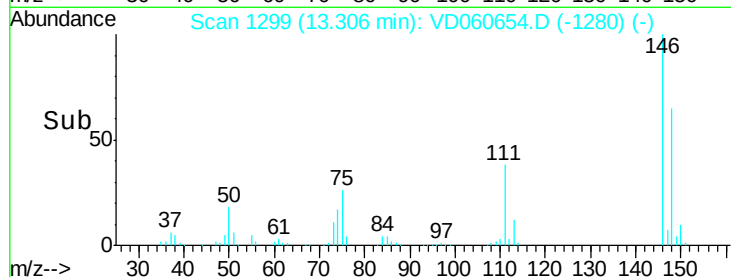
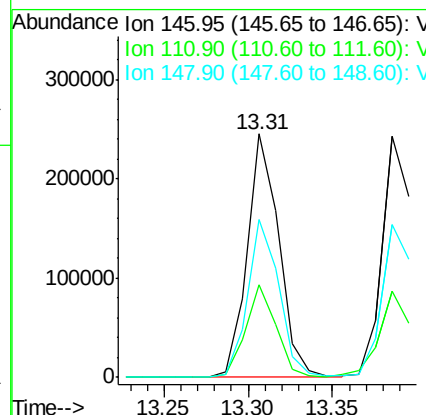
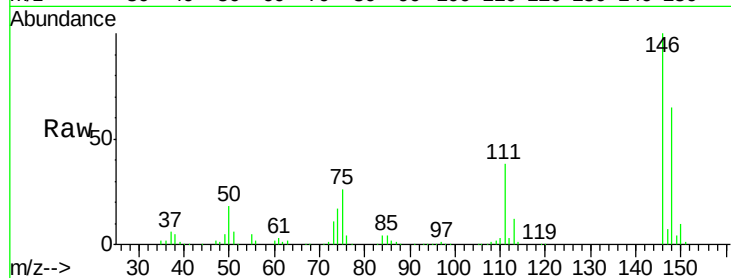
#87
 1,3-Dichlorobenzene
 Concen: 9.852 ug/l
 RT: 13.31 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	16.6	49.8
148	64.6	32.6	97.8

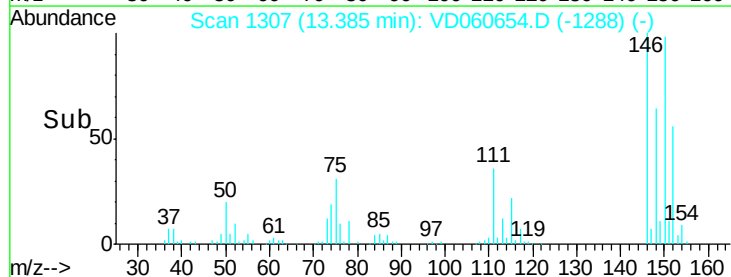
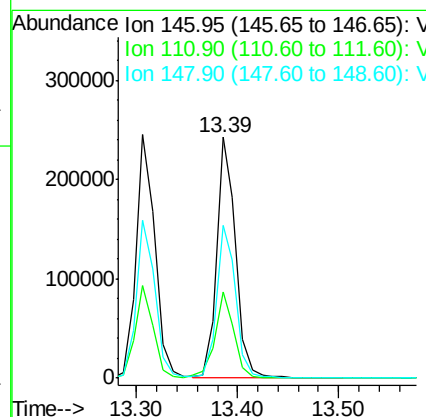
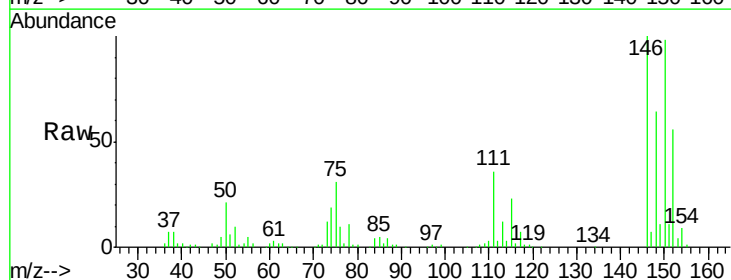
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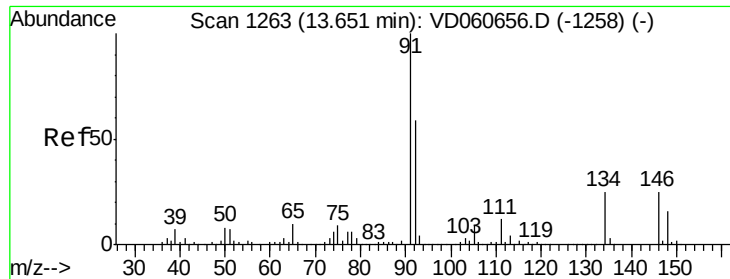
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#88
 1,4-Dichlorobenzene
 Concen: 9.984 ug/l
 RT: 13.39 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	16.2	48.5
148	63.8	32.7	98.1





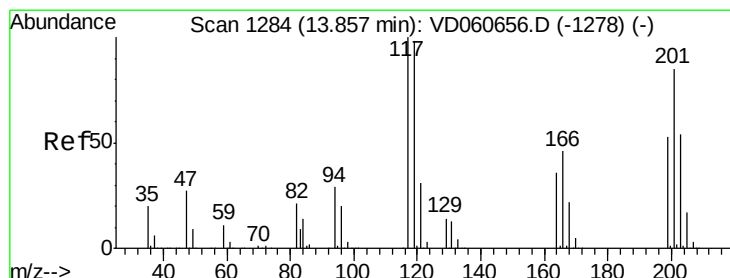
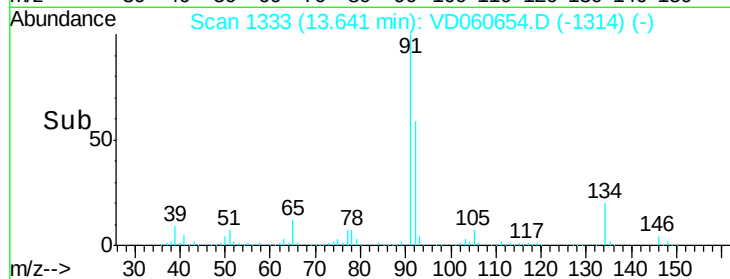
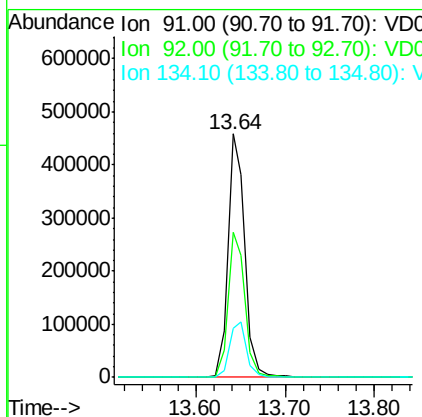
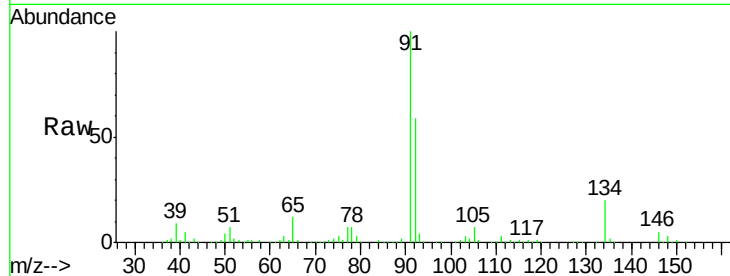
#89
n-Butylbenzene
Concen: 10.505 ug/l
RT: 13.64 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 614375
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 20.4 12.7 38.1

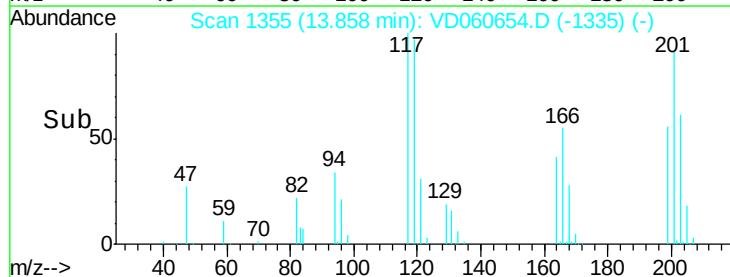
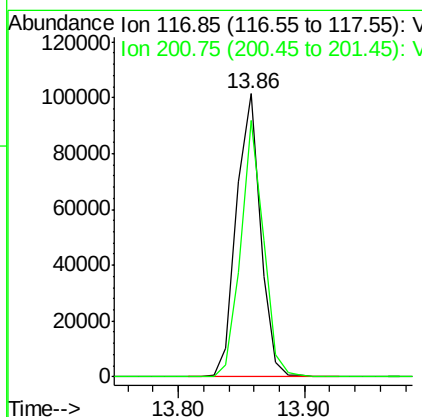
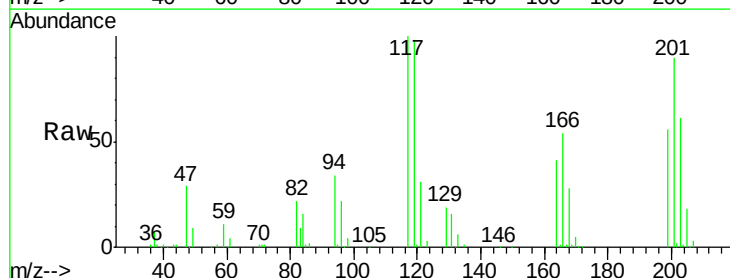
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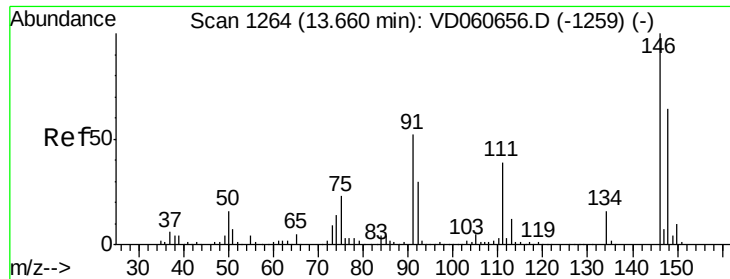
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#90
Hexachloroethane
Concen: 9.139 ug/l
RT: 13.86 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 117 Resp: 132954
Ion Ratio Lower Upper
117 100
201 90.4 42.6 127.8





#91

1,2-Dichlorobenzene

Concen: 10.683 ug/l

RT: 13.66 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Instrument :

MSVOA_D

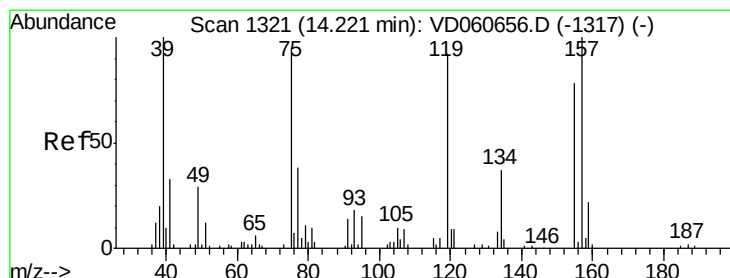
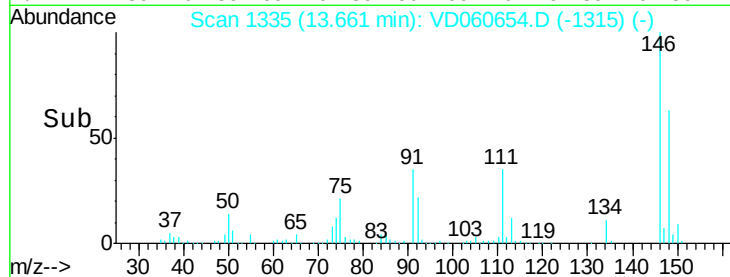
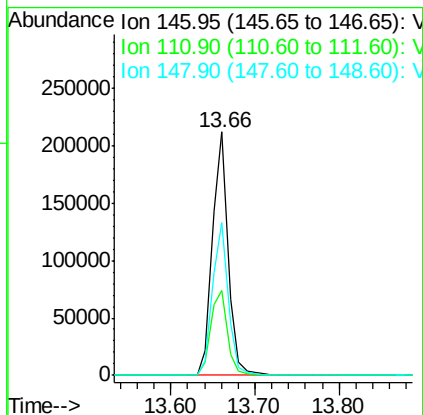
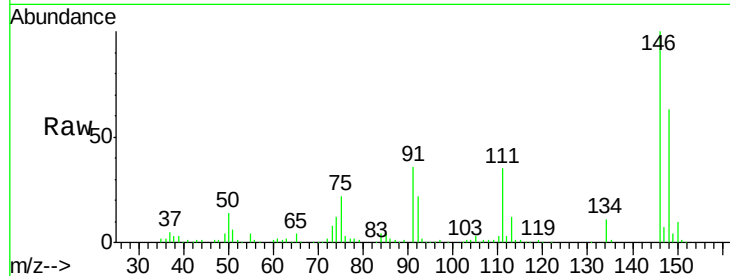
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	275643
Ion Ratio	Lower	Upper	
146	100		
111	34.8	19.3	57.9
148	62.9	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 8.694 ug/l

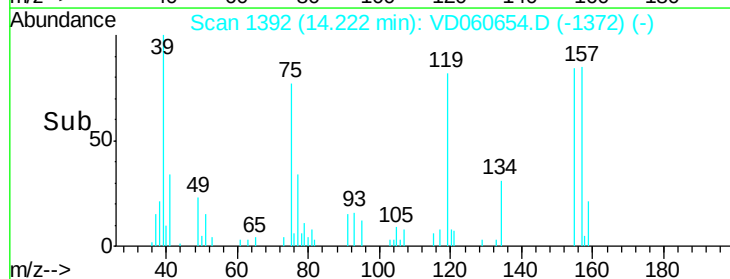
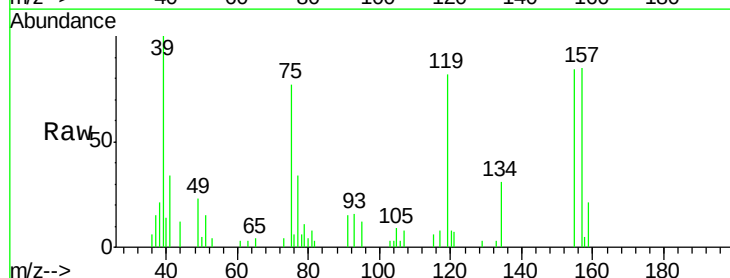
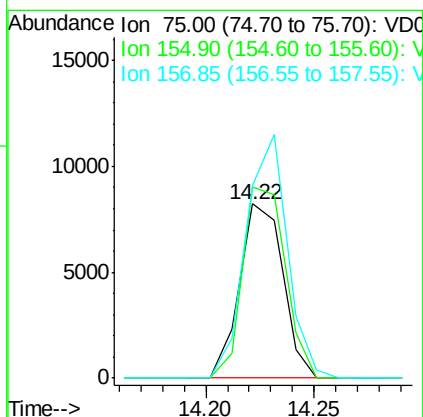
RT: 14.22 min Scan# 1392

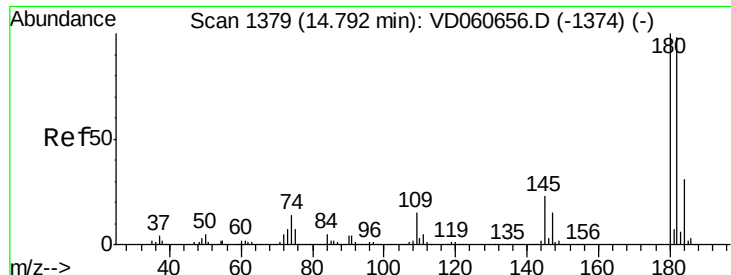
Delta R.T. 0.00 min

Lab File: VD060654.D

Acq: 20 Dec 2018 11:26

Tgt Ion:	75	Resp:	11420
Ion Ratio	Lower	Upper	
75	100		
155	109.7	41.1	123.4
157	110.4	52.5	157.6





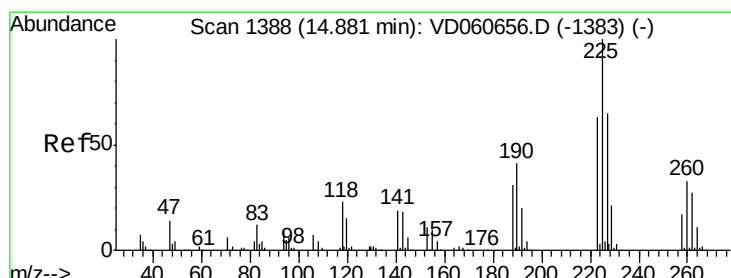
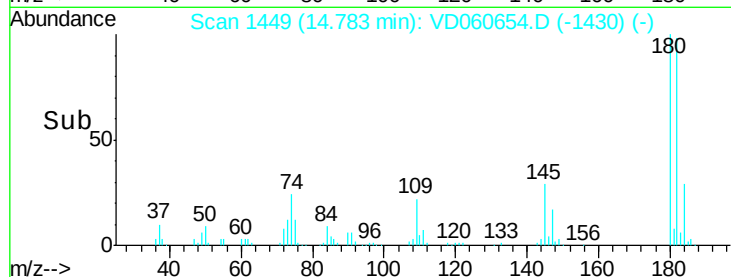
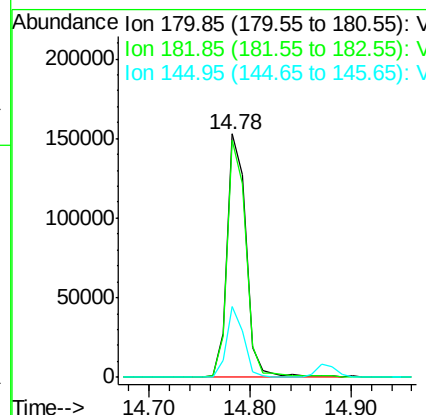
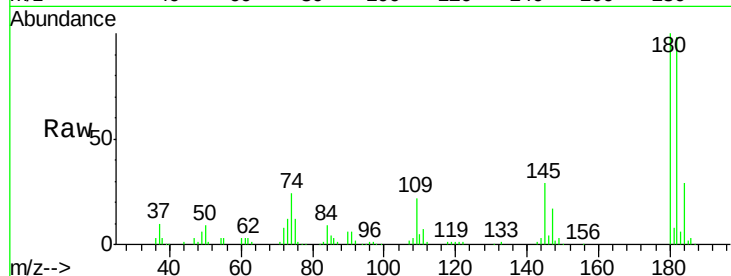
#93
 1,2,4-Trichlorobenzene
 Concen: 9.414 ug/l
 RT: 14.78 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201179		
182	97.5	48.8	146.4	
145	28.9	11.8	35.3	

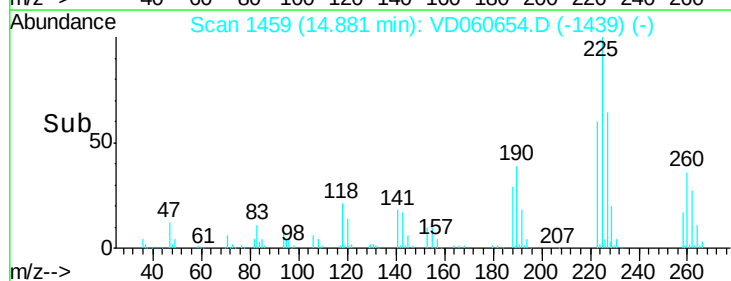
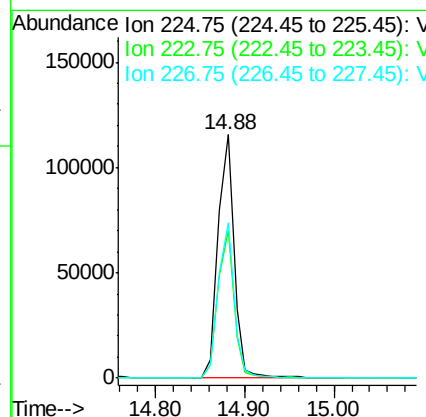
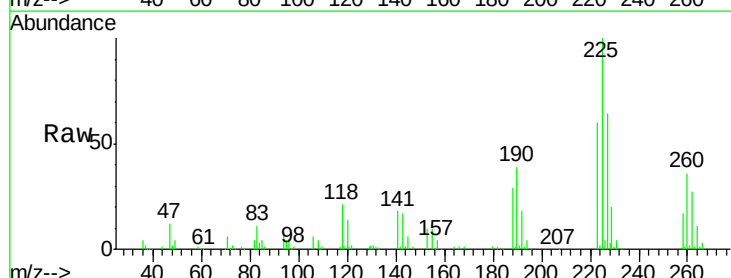
Manual Integrations
 APPROVED

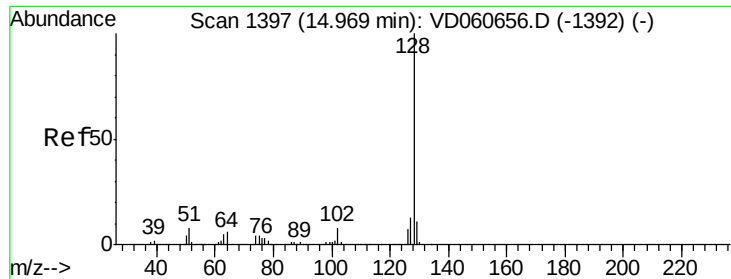
apatel
 12/21/2018 11:32:25 AM



#94
 Hexachlorobutadiene
 Concen: 9.576 ug/l
 RT: 14.88 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VD060654.D
 Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147299		
223	60.4	31.3	93.8	
227	63.5	32.5	97.4	





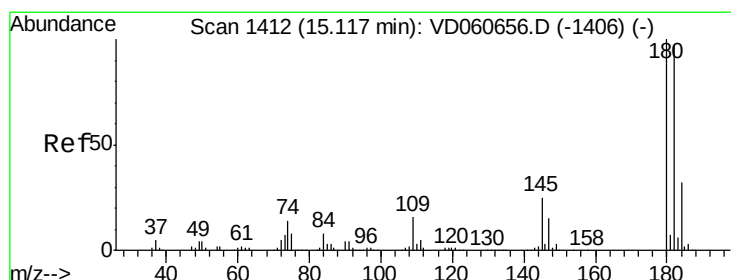
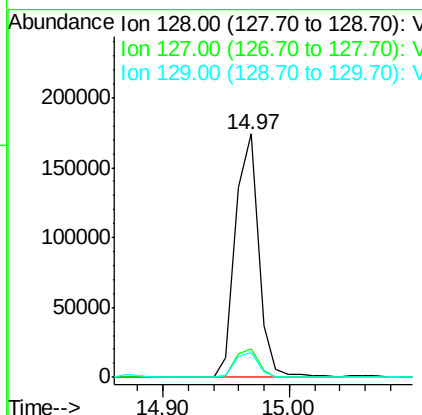
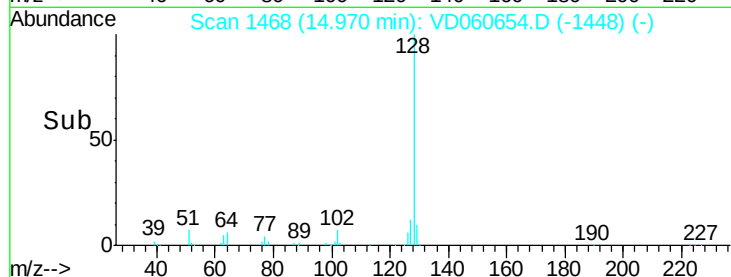
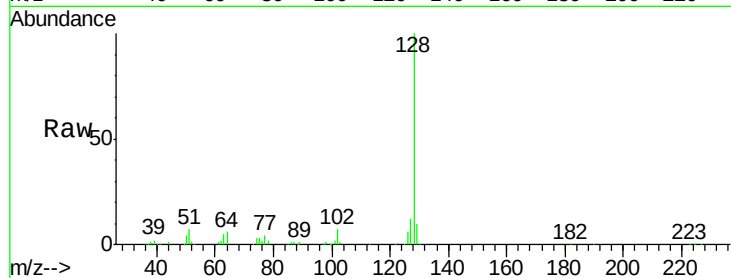
#95
Naphthalene
Concen: 8.504 ug/l
RT: 14.97 min Scan# 1468
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.1	15.1
129	10.0	8.6	13.0

Manual Integrations
APPROVED

apatel
12/21/2018 11:32:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.253 ug/l
RT: 15.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: VD060654.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.9	48.6	145.9
145	25.6	12.6	37.8

