

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060539.D
 Acq On : 12 Dec 2018 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 00:17:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1656720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2289801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1826934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	929381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	630298	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	6.32	113	928520	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	9.45	98	2669322	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.43	95	930791	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	782229	49.599	ug/l	99
3) Chloromethane	1.78	50	807653	47.448	ug/l	96
4) Vinyl Chloride	1.87	62	678057	49.912	ug/l	100
5) Bromomethane	2.17	94	162135	47.706	ug/l	87
6) Chloroethane	2.28	64	203368	45.317	ug/l	96
7) Trichlorofluoromethane	2.53	101	765185	48.781	ug/l	98
8) Diethyl Ether	2.84	74	132174	48.783	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.11	101	505398	49.657	ug/l	99
10) Methyl Iodide	3.26	142	594895	50.004	ug/l	98
11) Tert butyl alcohol	3.97	59	137919	289.093	ug/l	100
12) 1,1-Dichloroethene	3.09	96	410643	49.590	ug/l	94
13) Acrolein	3.00	56	150062	287.866	ug/l	93
14) Allyl chloride	3.55	41	797818	50.780	ug/l	99
15) Acrylonitrile	4.10	53	755172	278.778	ug/l	97
16) Acetone	3.18	43	507304	269.517	ug/l	99
17) Carbon Disulfide	3.33	76	1354176	50.344	ug/l	100
18) Methyl Acetate	3.57	43	237153	53.013	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1248089	54.350	ug/l	100
20) Methylene Chloride	3.74	84	897687	52.131	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	916025	50.854	ug/l	97
22) Diisopropyl ether	4.87	45	3024148	53.611	ug/l	99
23) Vinyl Acetate	4.81	43	7812272	279.525	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1547202	52.797	ug/l	99
25) 2-Butanone	5.63	43	1028475	277.727	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1191029	52.611	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	951745	51.966	ug/l	97
28) Bromochloromethane	5.93	49	622519	47.953	ug/l	100
29) Tetrahydrofuran	5.96	42	585629	279.265	ug/l	99
30) Chloroform	6.11	83	1573653	53.302	ug/l	99
31) Cyclohexane	6.37	56	1372971	55.187	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1307057	53.853	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1198268	53.536	ug/l	99
37) Ethyl Acetate	5.70	43	534042	55.017	ug/l	98
38) Carbon Tetrachloride	6.50	117	1066231	53.063	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1381386	54.139	ug/l	100
40) Benzene	6.80	78	3016716	52.738	ug/l	100
41) Methacrylonitrile	5.95	41	618698	118.238	ug/l #	71
42) 1,2-Dichloroethane	6.89	62	818489	56.276	ug/l	99
43) Isopropyl Acetate	8.35	43	709621	59.222	ug/l	97
44) Trichloroethene	7.74	130	934181	54.646	ug/l	100
45) 1,2-Dichloropropane	8.11	63	771498	54.532	ug/l	100
46) Dibromomethane	8.21	93	457886	56.017	ug/l	94
47) Bromodichloromethane	8.49	83	1085419	55.964	ug/l	99
48) Methyl methacrylate	8.24	41	430380	60.703	ug/l	99
49) 1,4-Dioxane	8.22	88	82680	1286.681	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	2191407	294.006	ug/l	98
52) Toluene	9.54	92	1941772	54.311	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	913871	57.344	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1185775	56.632	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	546281	54.867	ug/l	98
56) Ethyl methacrylate	10.02	69	538931	59.809	ug/l	97
57) 1,3-Dichloropropane	10.38	76	861096	55.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1532715	284.278	ug/l	99
59) 2-Hexanone	10.49	43	1640073	314.800	ug/l	100
60) Dibromochloromethane	10.63	129	726962	58.398	ug/l	99
61) 1,2-Dibromoethane	10.75	107	583095	57.466	ug/l	100
64) Tetrachloroethene	10.25	164	843180	52.122	ug/l	100
65) Chlorobenzene	11.31	112	2048961	53.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	674904	54.177	ug/l	97
67) Ethyl Benzene	11.42	91	3451875	52.360	ug/l	99
68) m/p-Xylenes	11.56	106	2558111	104.886	ug/l	98
69) o-Xylene	11.93	106	1193437	51.346	ug/l	97
70) Styrene	11.95	104	1952825	52.343	ug/l	100
71) Bromoform	12.11	173	477757	57.484	ug/l	99
73) Isopropylbenzene	12.28	105	3391322	51.566	ug/l	98
74) N-amyl acetate	12.13	43	916337	57.651	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	579657	55.055	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	589542	55.984	ug/l	100
77) Bromobenzene	12.53	156	909287	52.599	ug/l	93
78) n-propylbenzene	12.63	91	4274020	51.411	ug/l	98
79) 2-Chlorotoluene	12.70	91	2329539	51.639	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2601634	51.770	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	171728	58.471	ug/l	99
82) 4-Chlorotoluene	12.81	91	2592568	51.168	ug/l	98
83) tert-Butylbenzene	13.05	119	2994136	53.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2589721	49.769	ug/l	97
85) sec-Butylbenzene	13.22	105	3501812	49.864	ug/l	95
86) p-Isopropyltoluene	13.34	119	2828356	50.806	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1575037	50.321	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1588762	51.742	ug/l	97
89) n-Butylbenzene	13.65	91	2922740	53.830	ug/l	99
90) Hexachloroethane	13.85	117	731763	52.426	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	1257888	49.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	69412	54.409	ug/l #	46

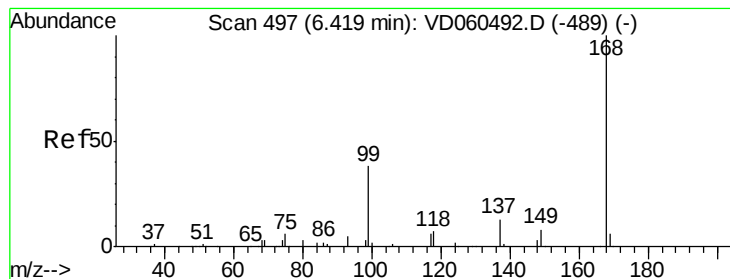
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121218\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1078443	53.933	ug/l	97
94) Hexachlorobutadiene	14.88	225	735072	49.825	ug/l	99
95) Naphthalene	14.96	128	1329966	55.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	839426	52.686	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

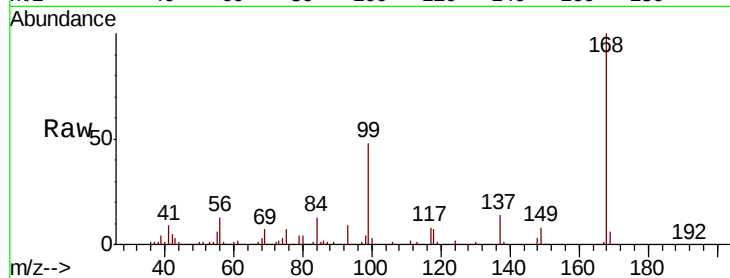
VSTDCCC050

Tot Ion:168 Resp: 1656720

Ion Ratio Lower Upper

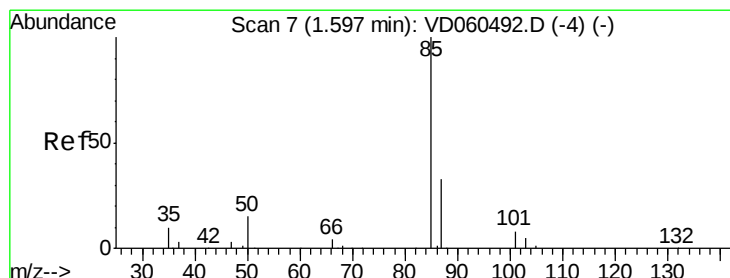
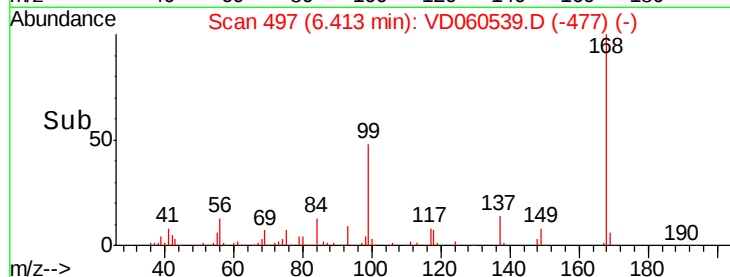
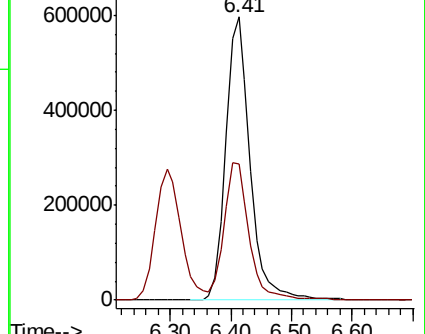
168 100

99 48.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060539.D

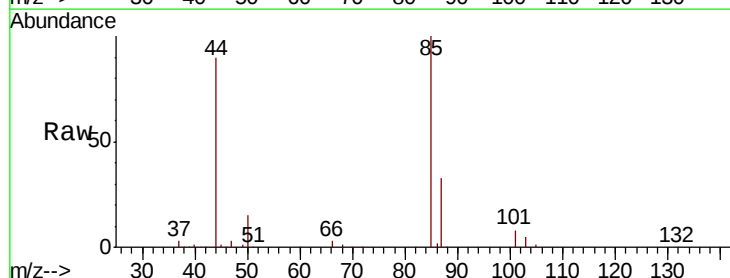
Acq: 12 Dec 2018 11:10

Tgt Ion: 85 Resp: 782229

Ion Ratio Lower Upper

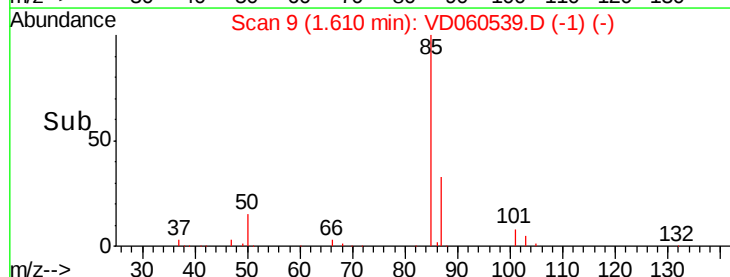
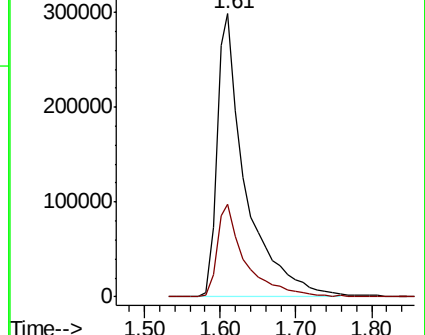
85 100

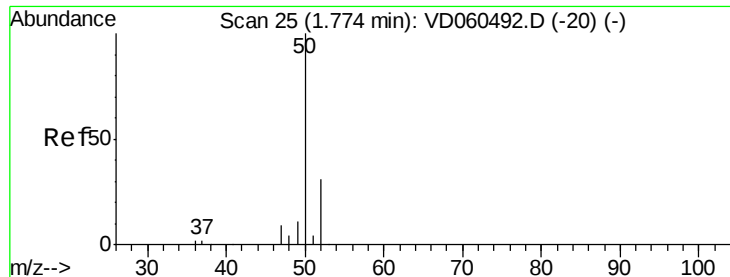
87 32.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.448 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

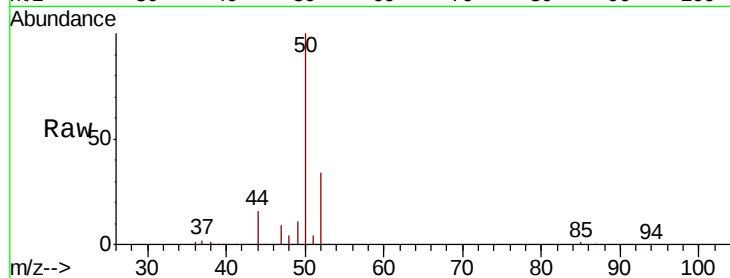
VSTDCCC050

Tot Ion: 50 Resp: 807653

Ion Ratio Lower Upper

50 100

52 33.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

300000

250000

200000

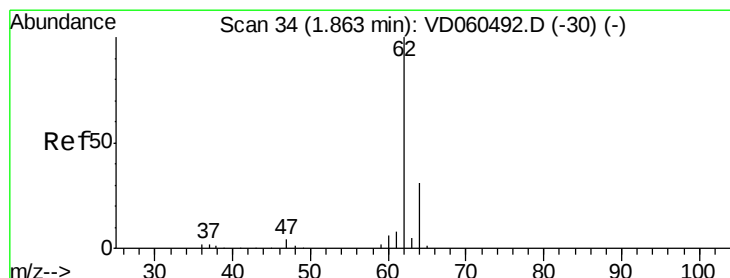
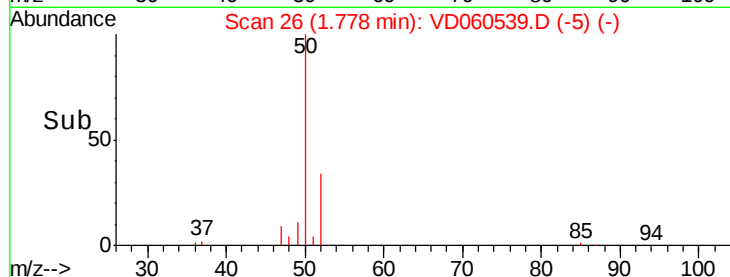
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.912 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060539.D

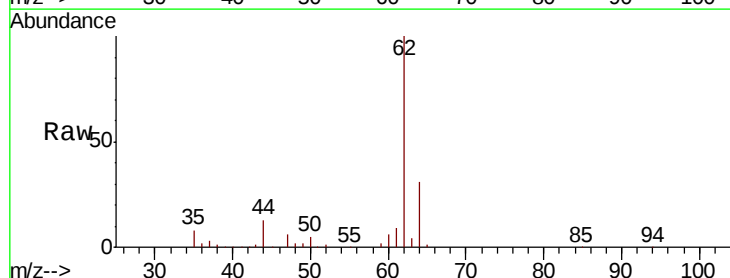
Acq: 12 Dec 2018 11:10

Tgt Ion: 62 Resp: 678057

Ion Ratio Lower Upper

62 100

64 30.6 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

300000

250000

200000

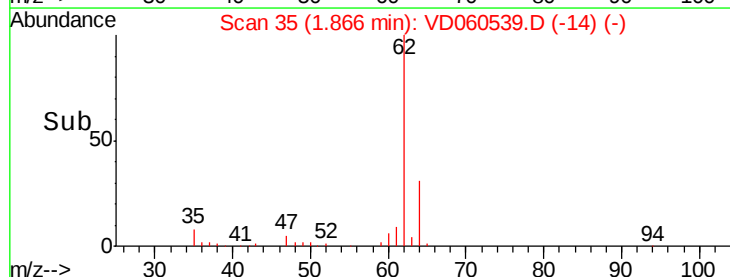
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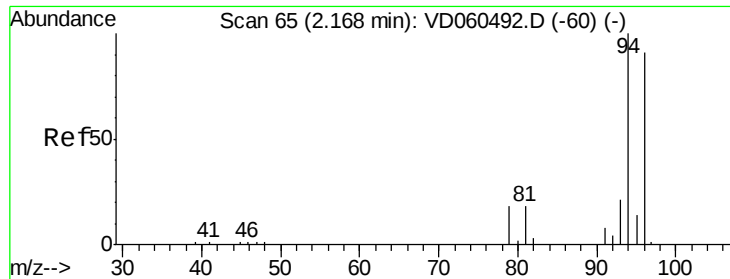
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.706 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

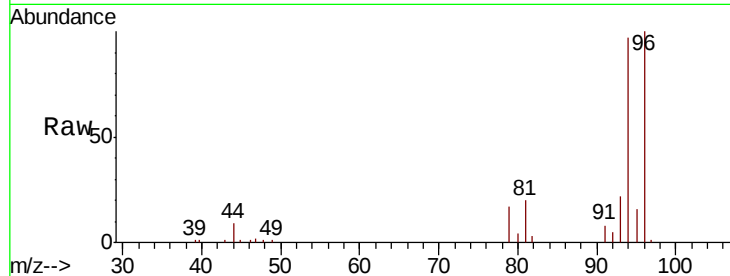
VSTDCCC050

Tot Ion: 94 Resp: 162135

Ion Ratio Lower Upper

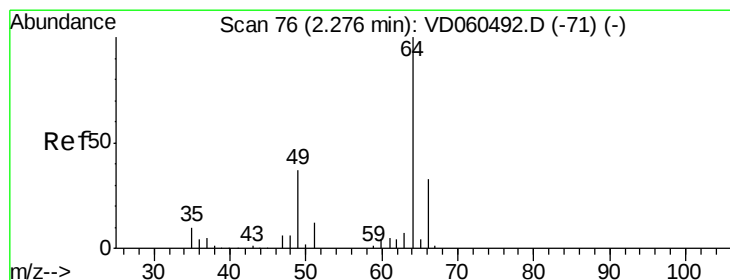
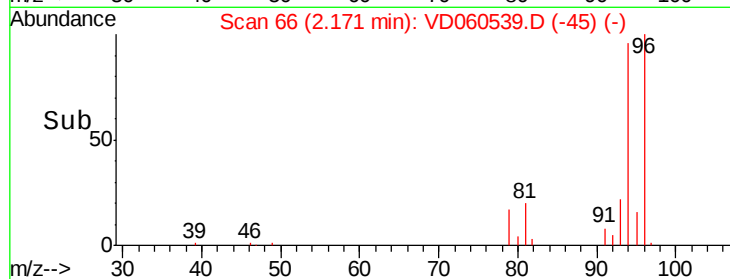
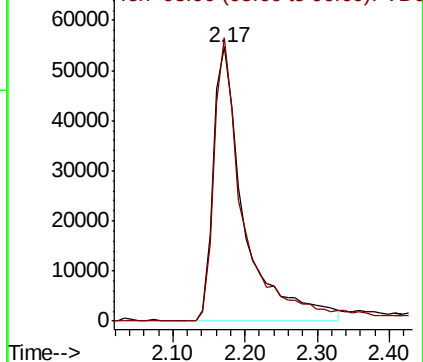
94 100

96 103.2 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.317 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060539.D

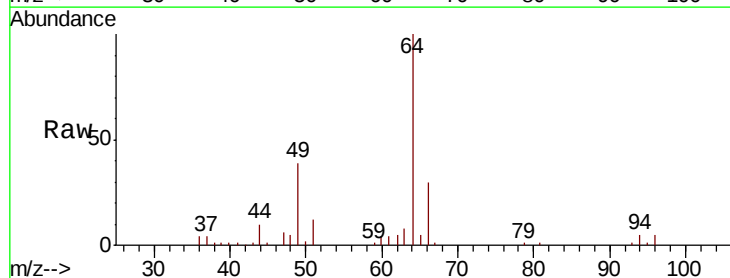
Acq: 12 Dec 2018 11:10

Tgt Ion: 64 Resp: 203368

Ion Ratio Lower Upper

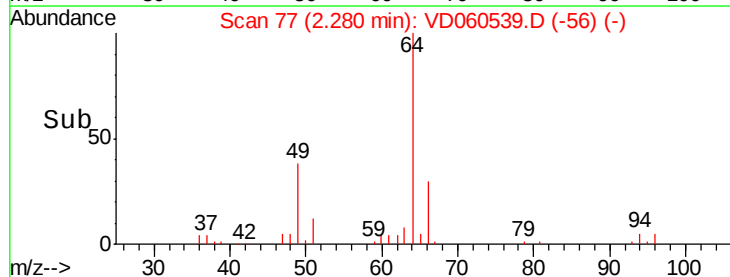
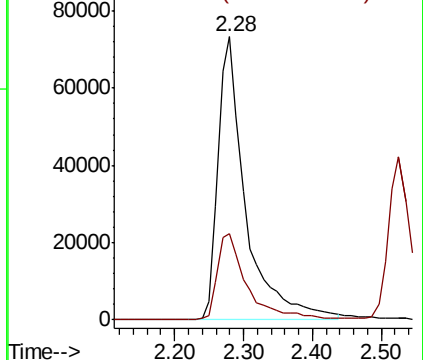
64 100

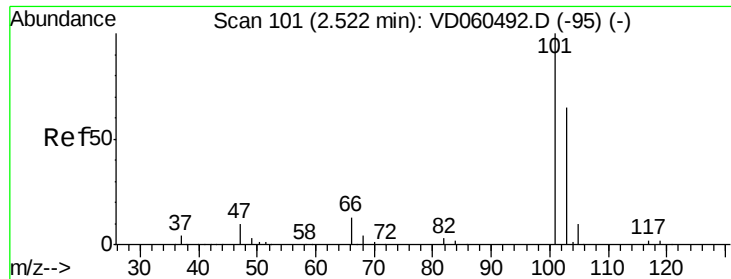
66 30.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



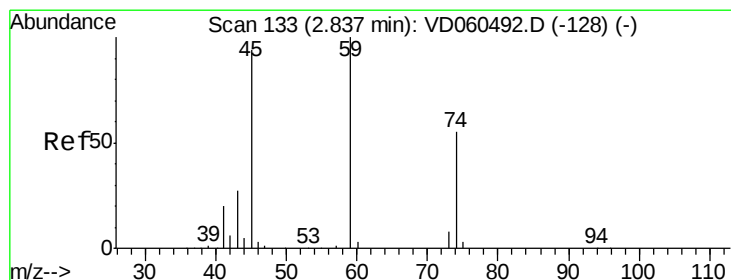
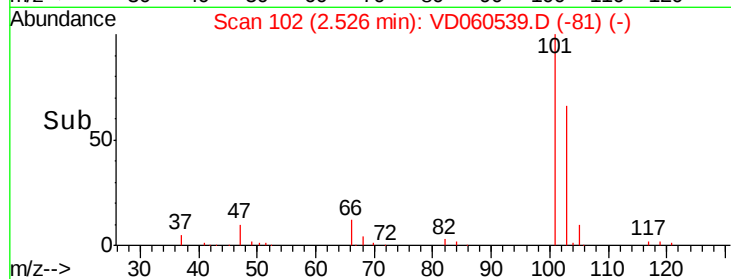
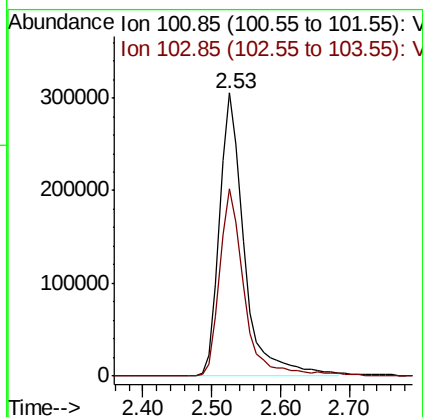
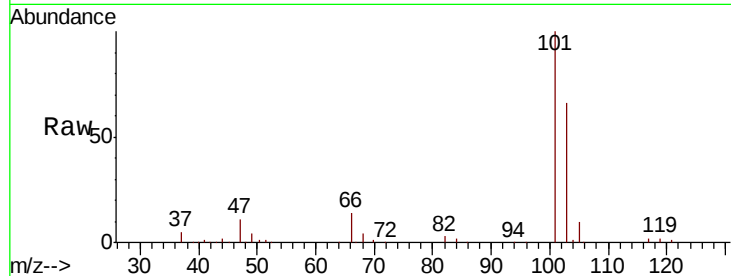


#7

Trichlorofluoromethane
 Concen: 48.781 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

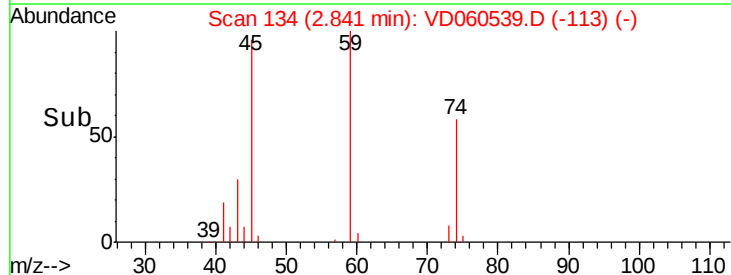
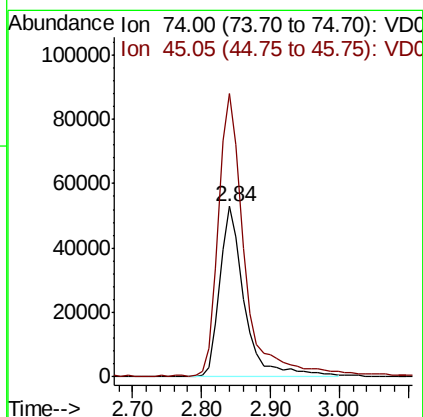
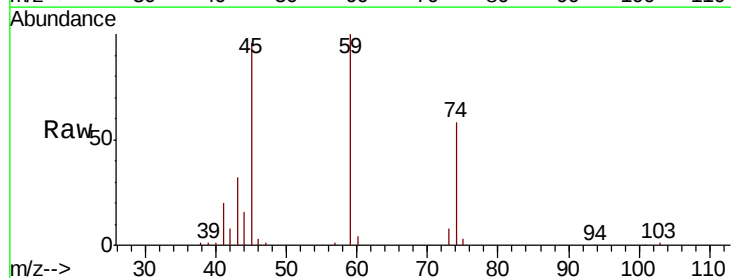
Tot Ion:101 Resp: 765185
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.8 77.8

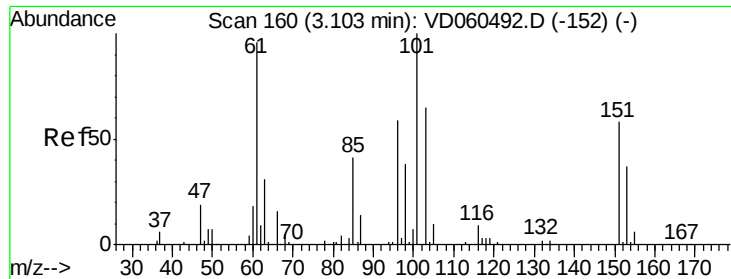


#8

Diethyl Ether
 Concen: 48.783 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 74 Resp: 132174
 Ion Ratio Lower Upper
 74 100
 45 166.3 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.657 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

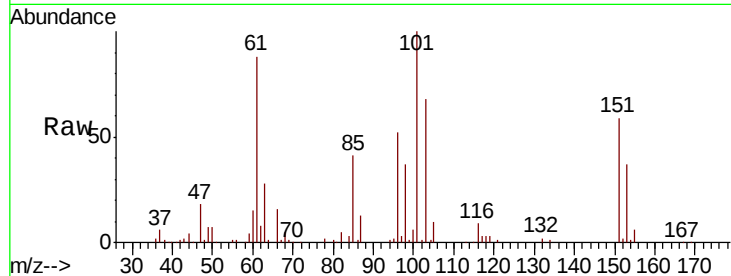
Tot Ion:101 Resp: 505398

Ion Ratio Lower Upper

101 100

85 41.2 32.7 49.1

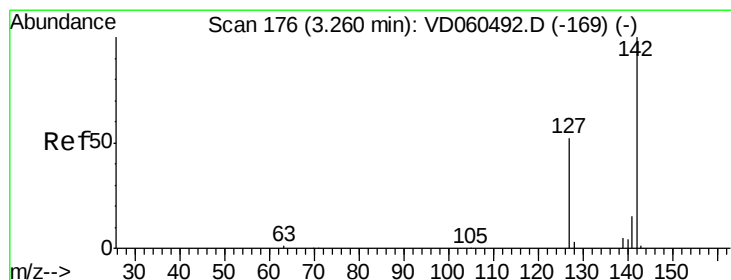
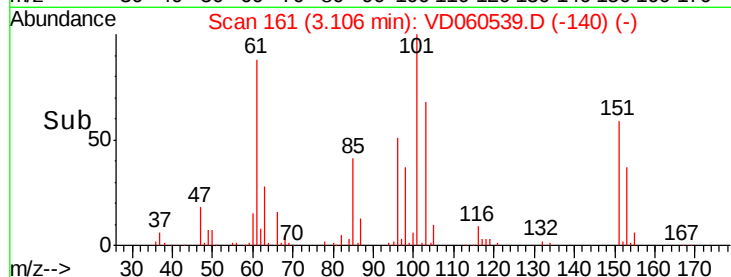
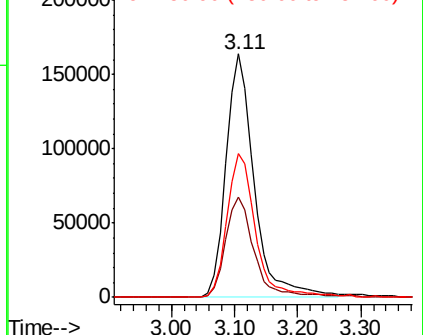
151 58.8 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.004 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

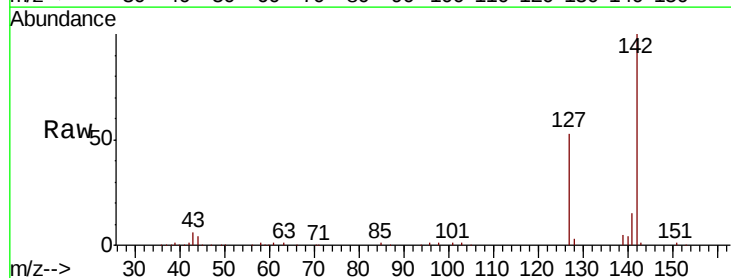
Tgt Ion:142 Resp: 594895

Ion Ratio Lower Upper

142 100

127 53.0 41.2 61.8

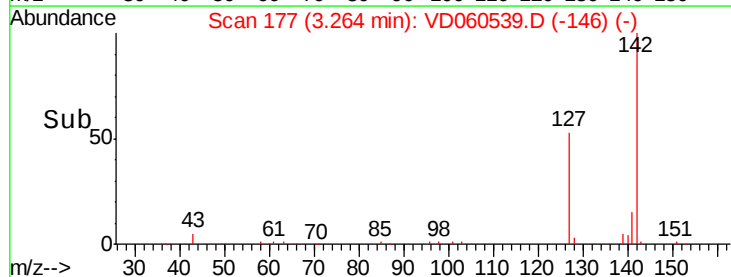
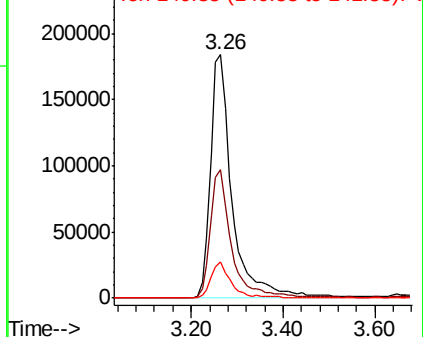
141 15.0 11.9 17.9

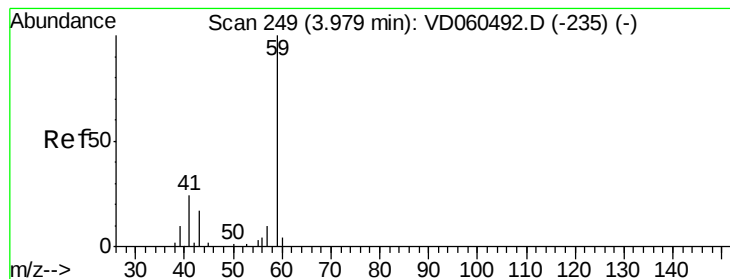


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



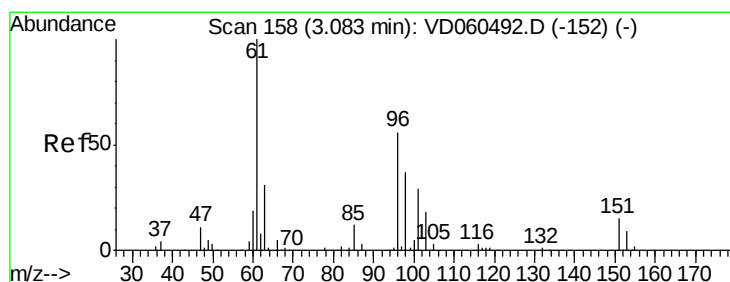
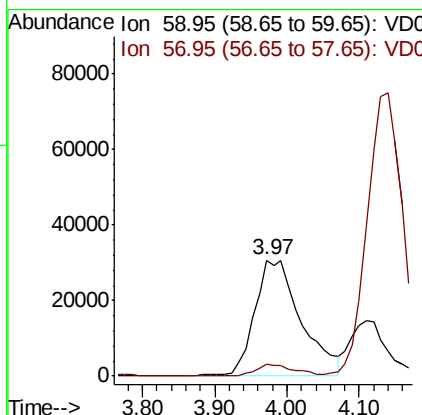
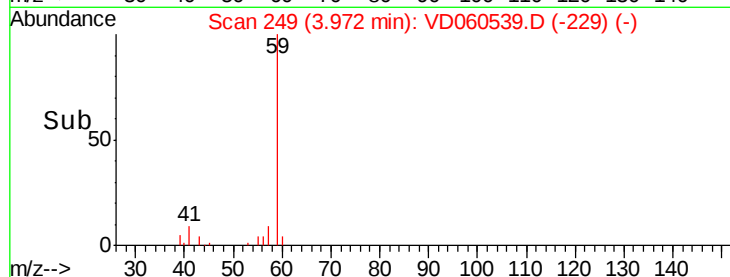
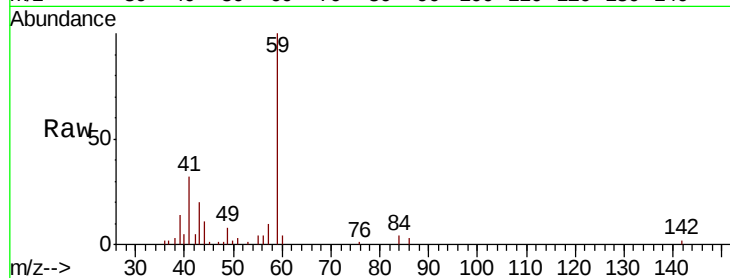


#11

Tert butyl alcohol
Concen: 289.093 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

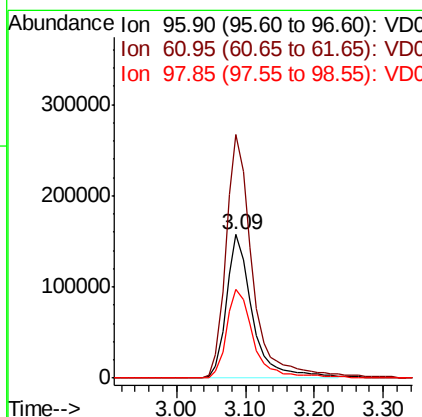
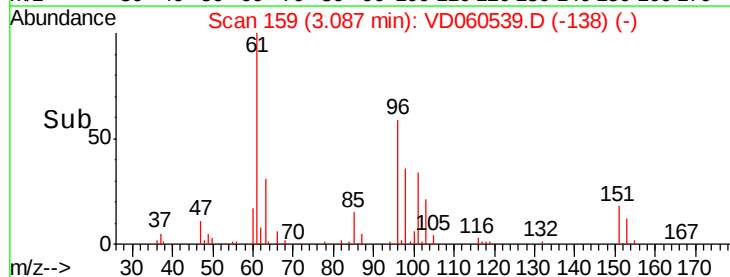
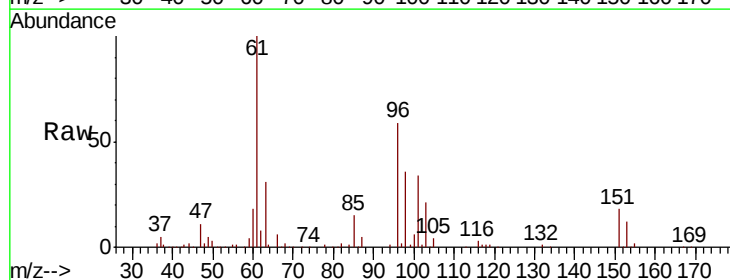
Tot Ion: 59 Resp: 137919
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1

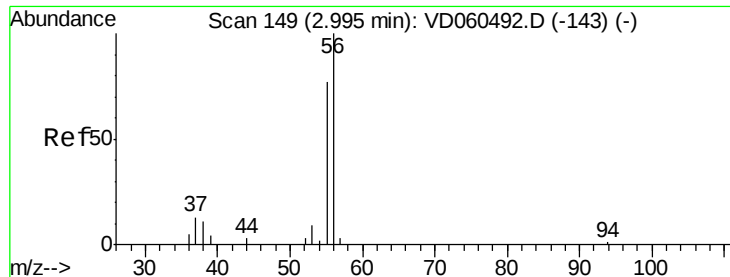


#12

1,1-Dichloroethene
Concen: 49.590 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 96 Resp: 410643
Ion Ratio Lower Upper
96 100
61 170.0 143.0 214.4
98 61.5 53.4 80.0

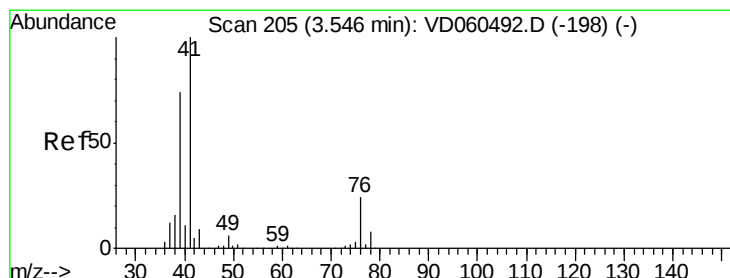
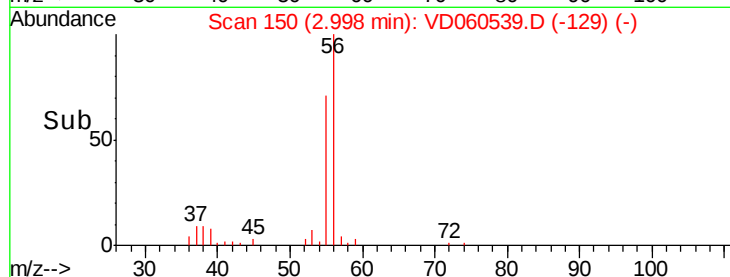
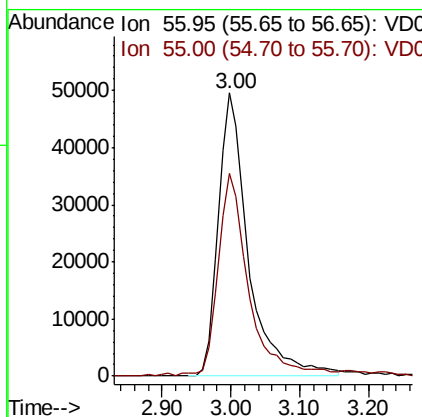
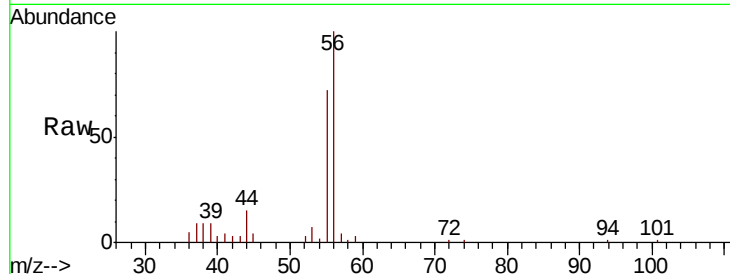




#13
Acrolein
Concen: 287.866 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

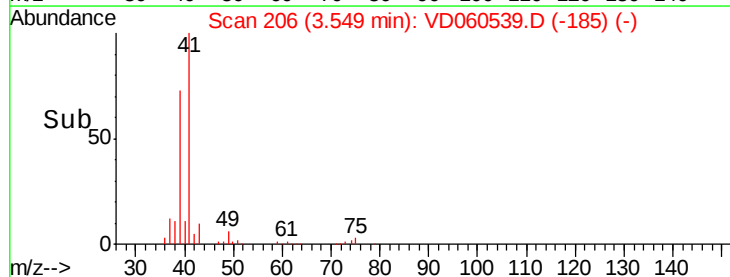
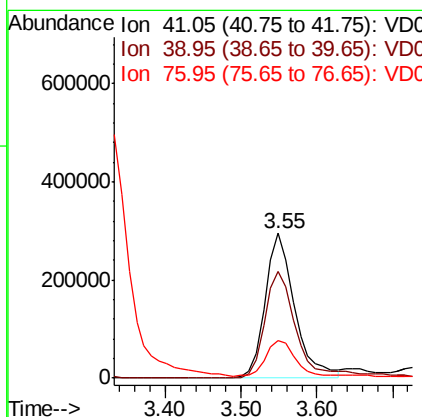
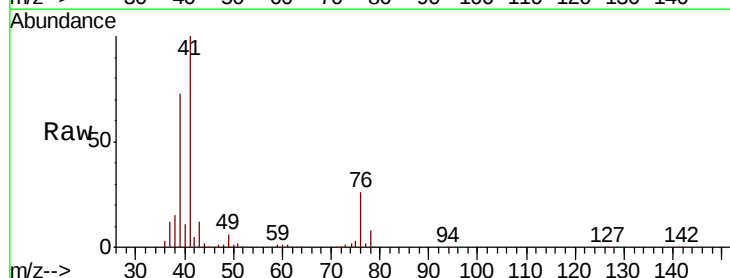
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

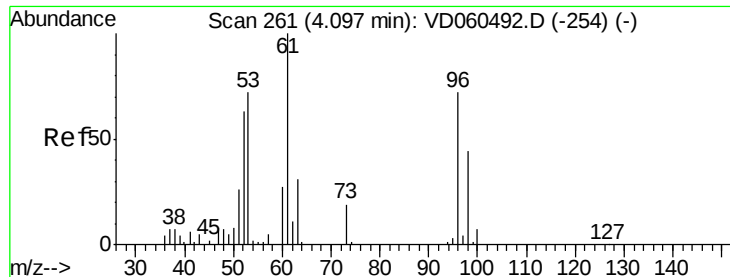
Tot Ion: 56 Resp: 150062
Ion Ratio Lower Upper
56 100
55 71.8 62.0 93.0



#14
Allyl chloride
Concen: 50.780 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 41 Resp: 797818
Ion Ratio Lower Upper
41 100
39 73.3 59.3 88.9
76 25.7 21.0 31.6





#15

Acrylonitrile

Concen: 278.778 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

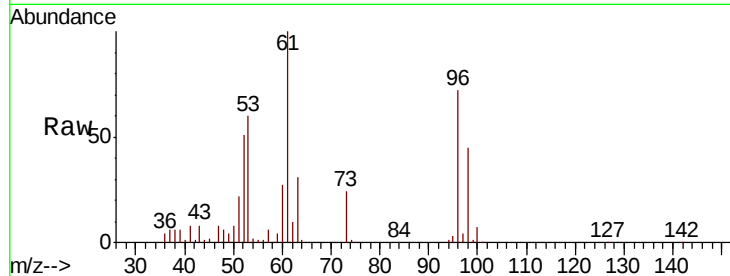
Tot Ion: 53 Resp: 755172

Ion Ratio Lower Upper

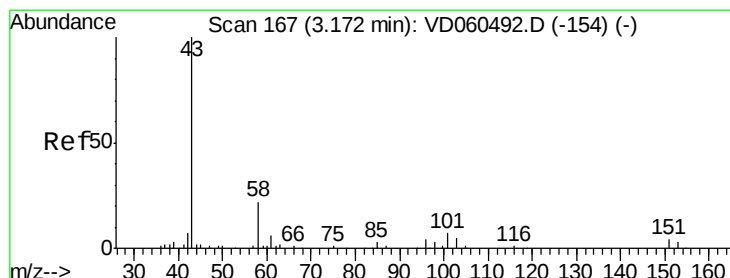
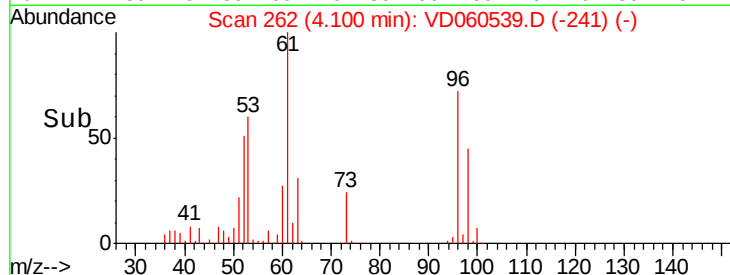
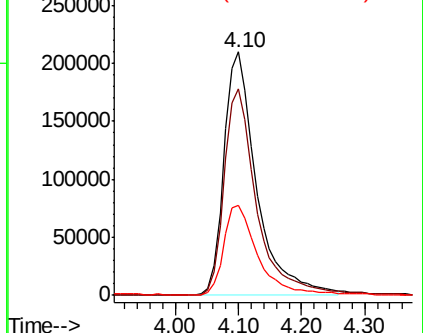
53 100

52 84.6 70.0 105.0

51 37.0 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 269.517 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060539.D

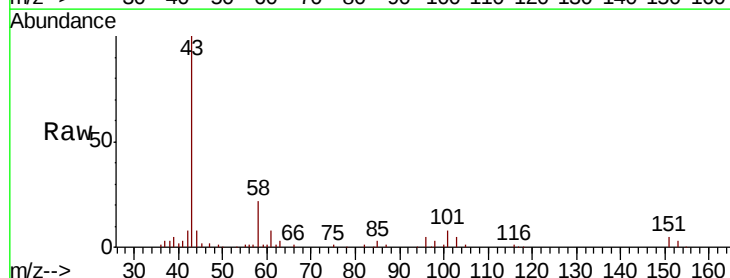
Acq: 12 Dec 2018 11:10

Tgt Ion: 43 Resp: 507304

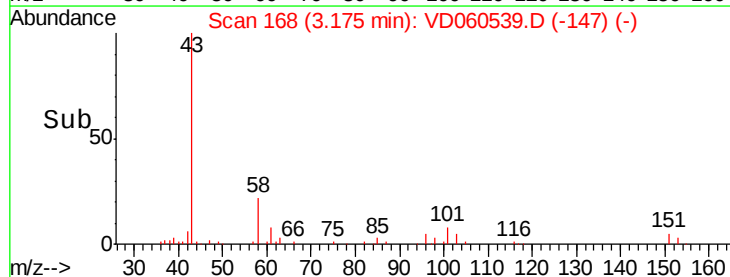
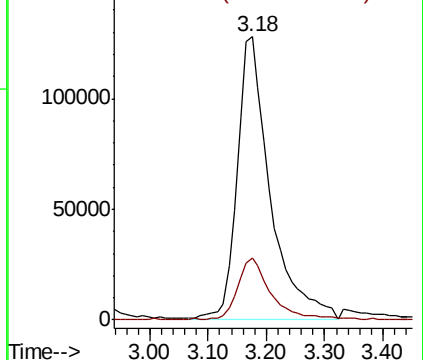
Ion Ratio Lower Upper

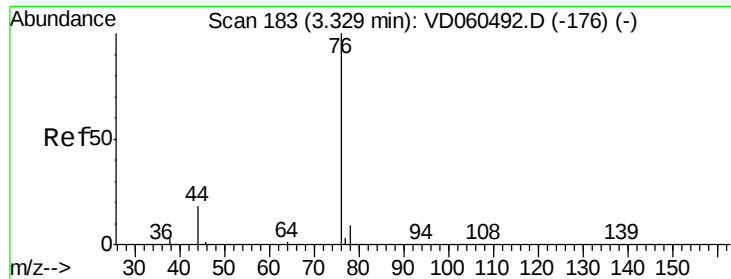
43 100

58 21.9 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

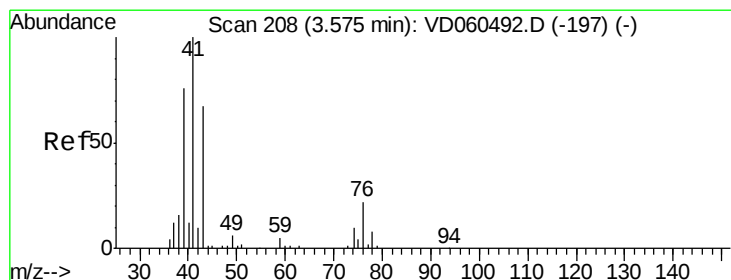
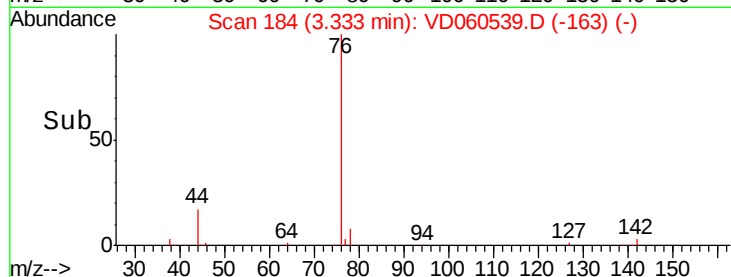
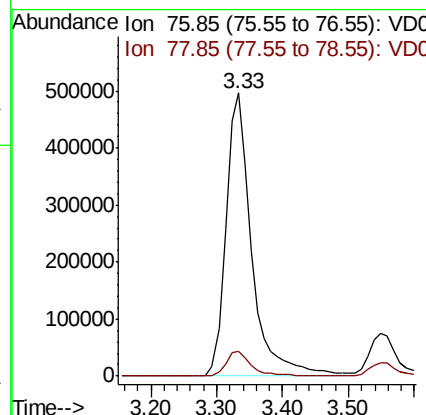
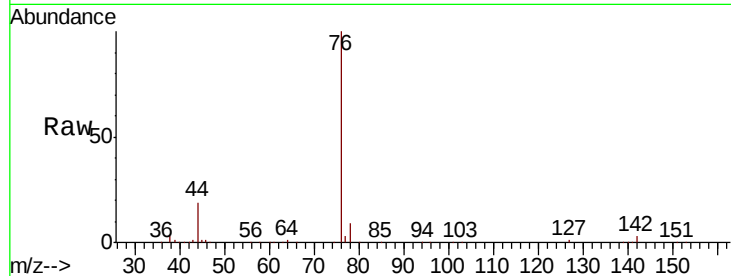




#17
Carbon Disulfide
Concen: 50.344 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

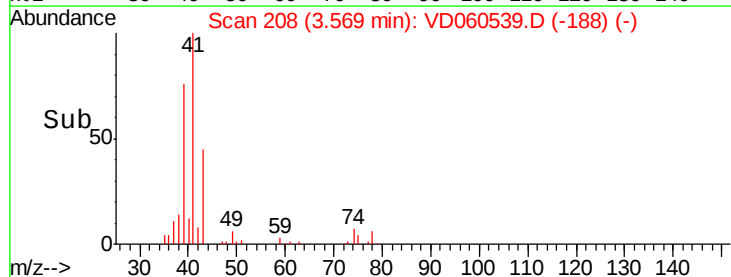
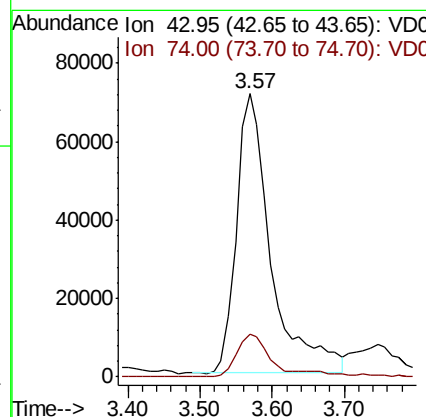
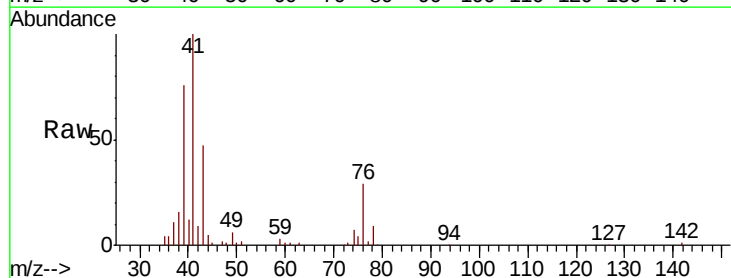
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

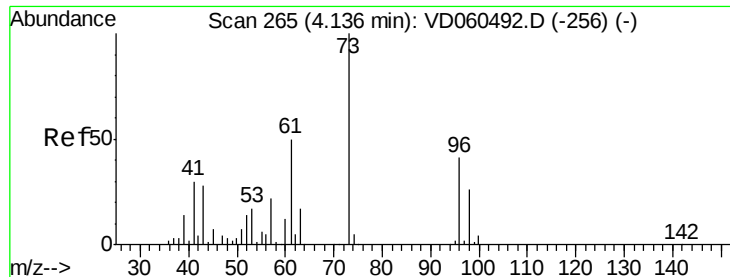
Tot Ion: 76 Resp: 1354176
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 53.013 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 43 Resp: 237153
Ion Ratio Lower Upper
43 100
74 15.2 12.0 18.0

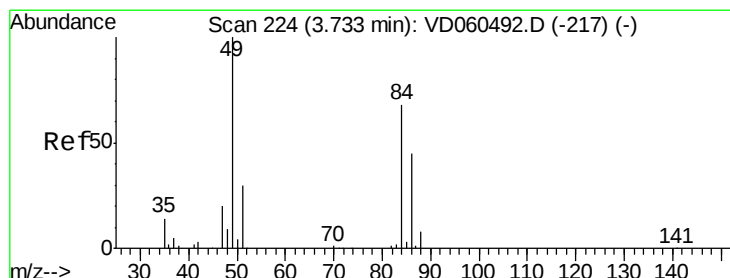
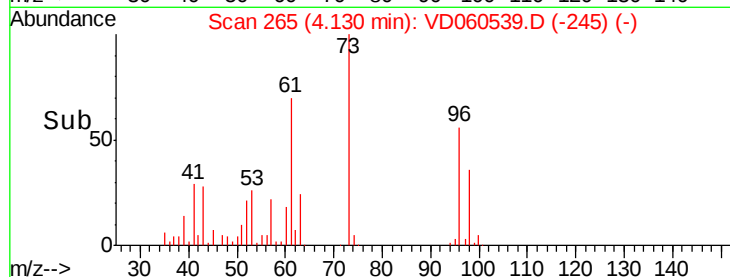
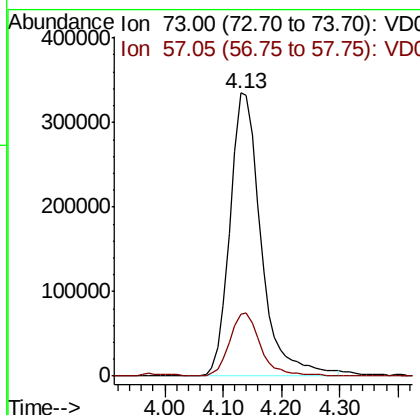
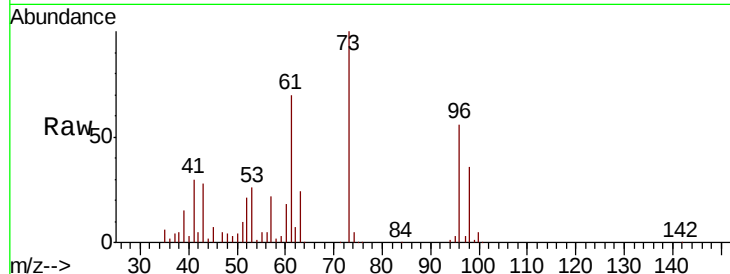




#19
Methyl tert-butyl Ether
Concen: 54.350 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

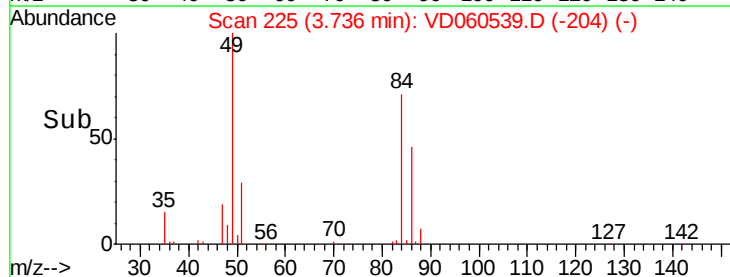
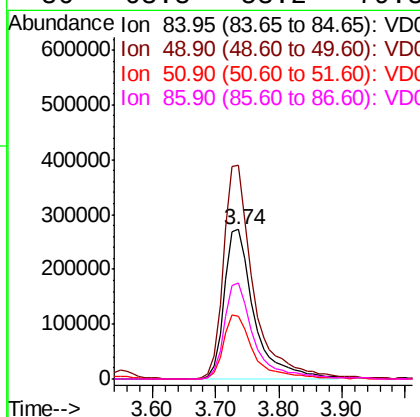
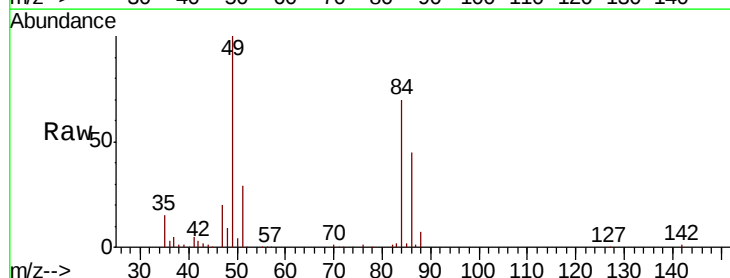
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

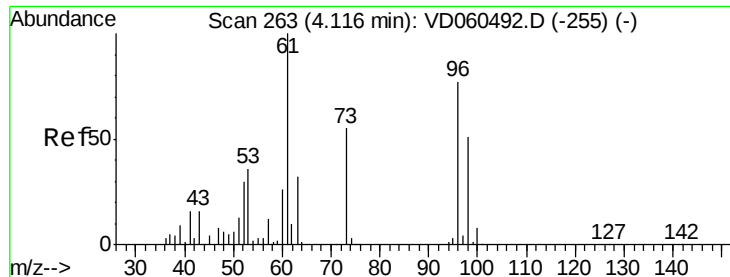
Tot Ion: 73 Resp: 1248089
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6



#20
Methylene Chloride
Concen: 52.131 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 84 Resp: 897687
Ion Ratio Lower Upper
84 100
49 142.9 117.2 175.8
51 41.8 35.3 52.9
86 63.8 53.2 79.8

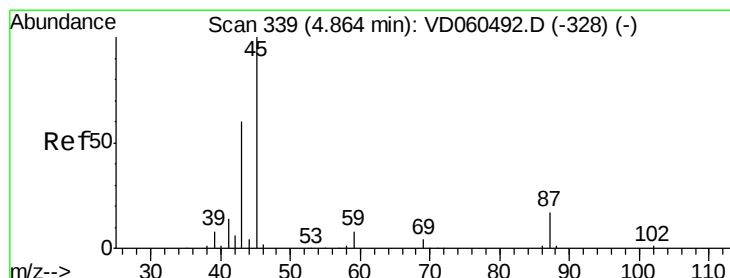
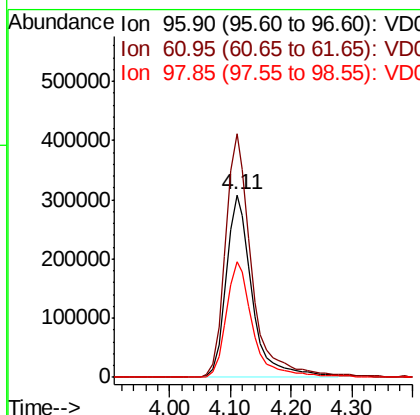
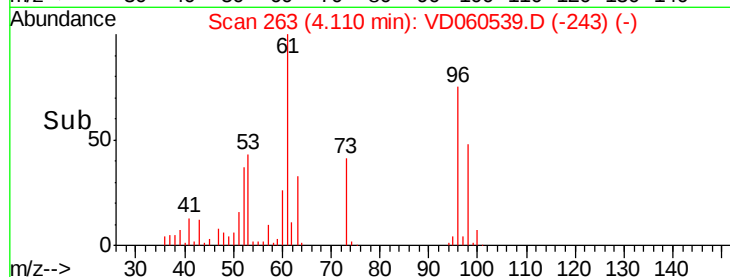
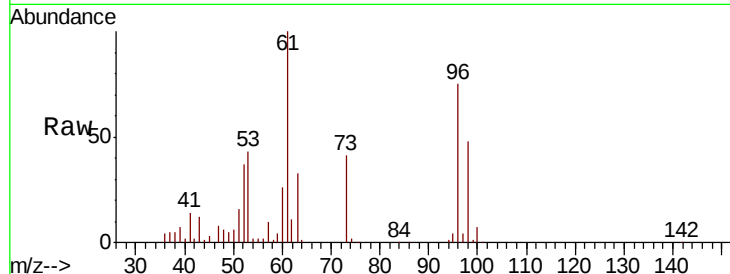




#21
trans-1,2-Dichloroethene
Concen: 50.854 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

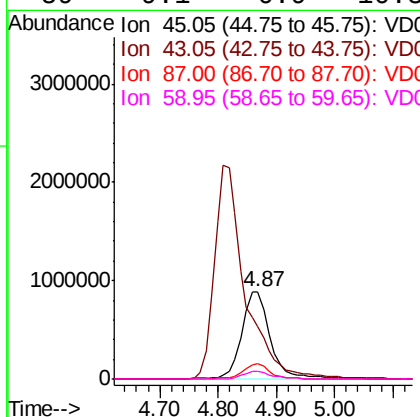
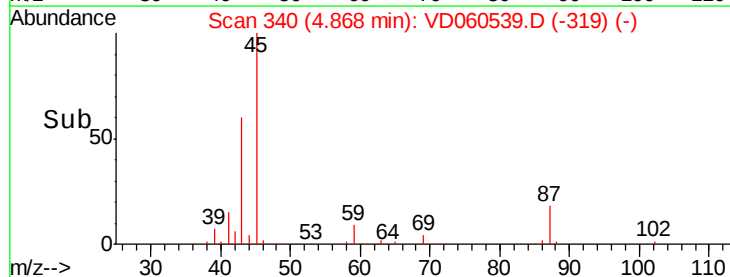
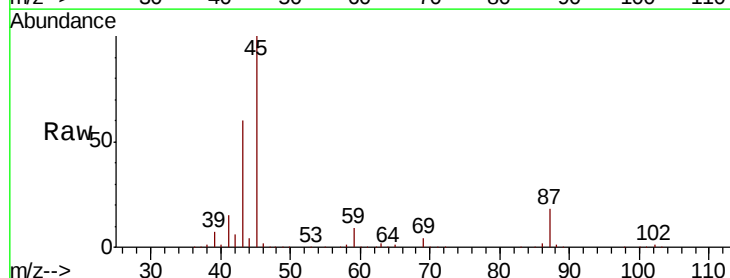
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

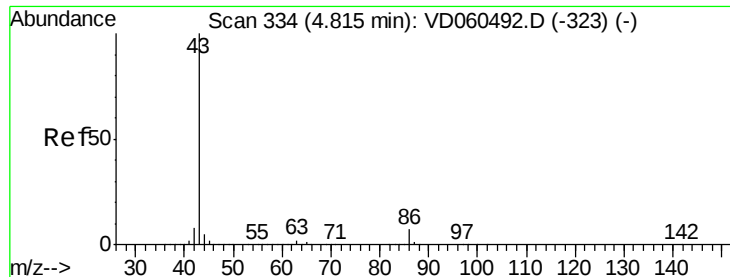
Tot Ion: 96 Resp: 916025
Ion Ratio Lower Upper
96 100
61 133.2 104.2 156.4
98 63.5 52.8 79.2



#22
Diisopropyl ether
Concen: 53.611 ug/l
RT: 4.87 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 45 Resp: 3024148
Ion Ratio Lower Upper
45 100
43 59.7 48.6 73.0
87 17.5 14.0 21.0
59 9.1 6.9 10.3





#23

Vinyl Acetate

Concen: 279.525 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

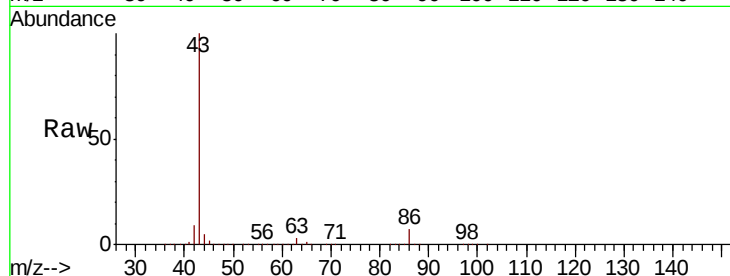
VSTDCCC050

Tot Ion: 43 Resp: 7812272

Ion Ratio Lower Upper

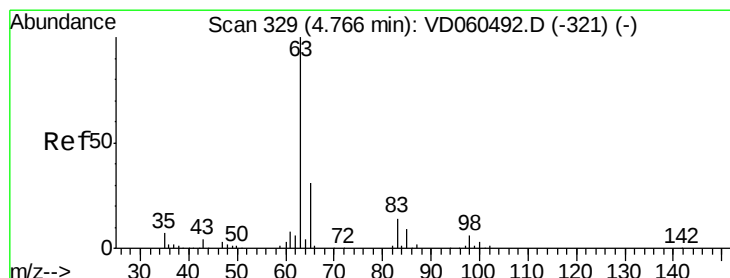
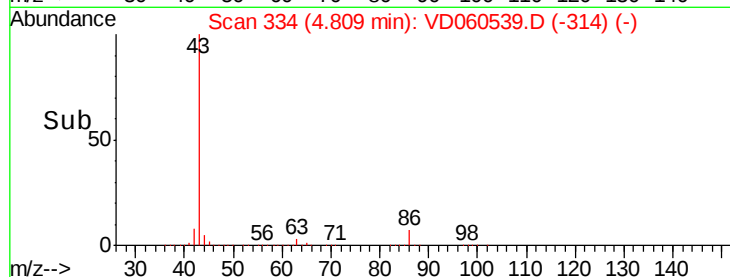
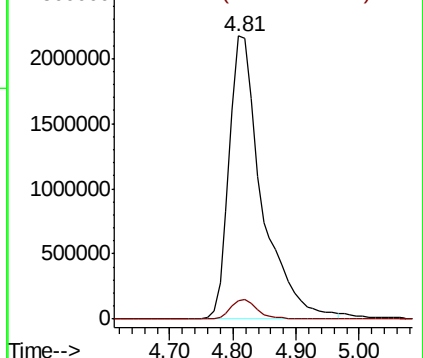
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.797 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

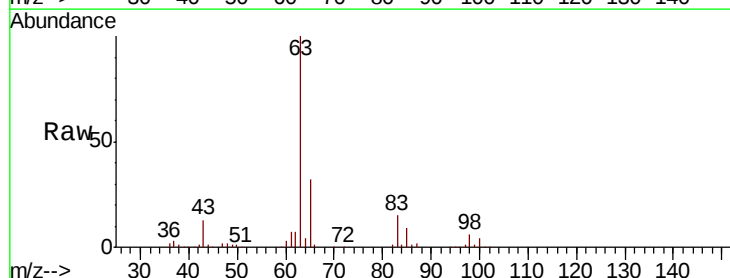
Tgt Ion: 63 Resp: 1547202

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

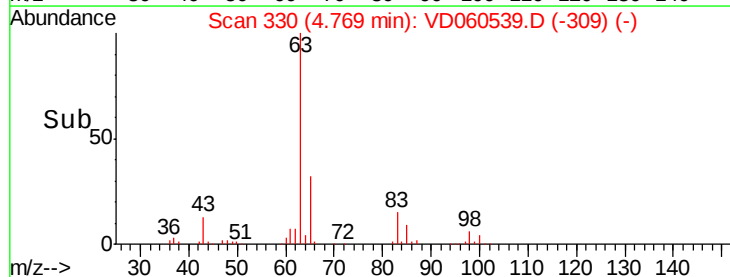
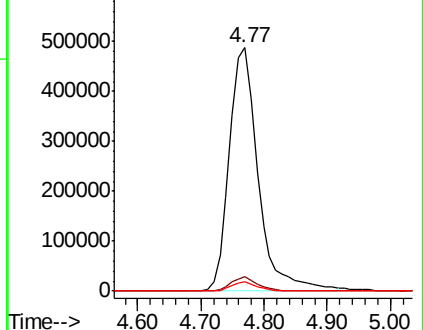
100 3.7 1.7 5.1

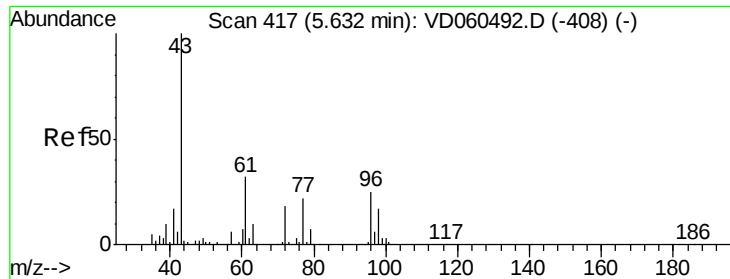


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.727 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

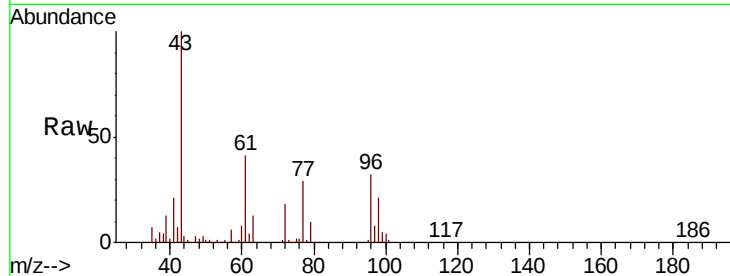
VSTDCCC050

Tot Ion: 43 Resp: 1028475

Ion Ratio Lower Upper

43 100

72 17.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

200000

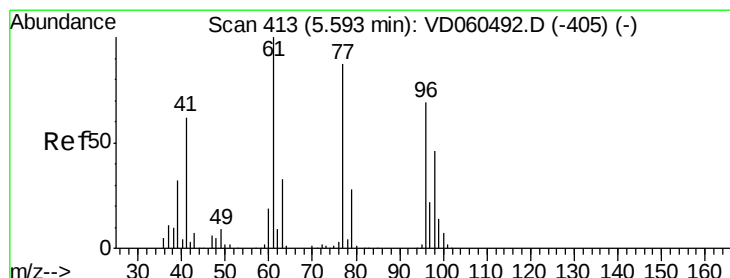
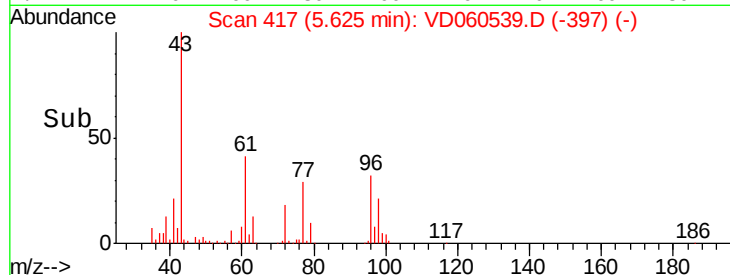
100000

0

5.50 5.55 5.60 5.65 5.70

5.63

Time-->



#26

2,2-Dichloropropane

Concen: 52.611 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060539.D

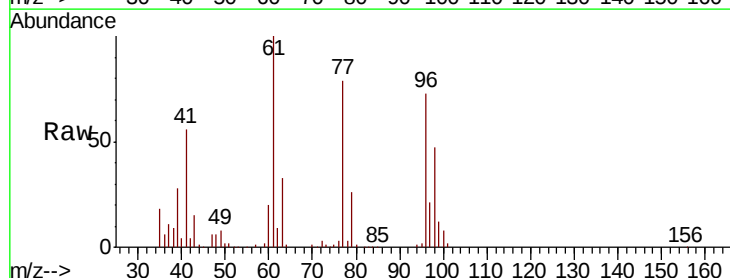
Acq: 12 Dec 2018 11:10

Tgt Ion: 77 Resp: 1191029

Ion Ratio Lower Upper

77 100

97 26.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

200000

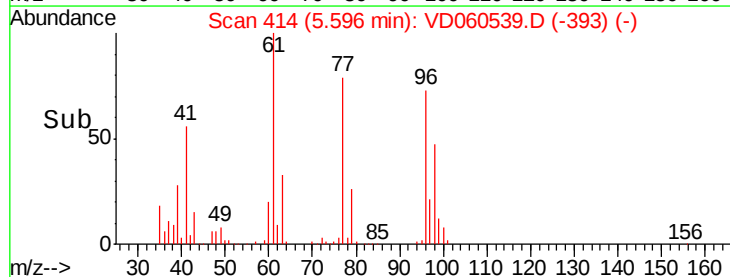
100000

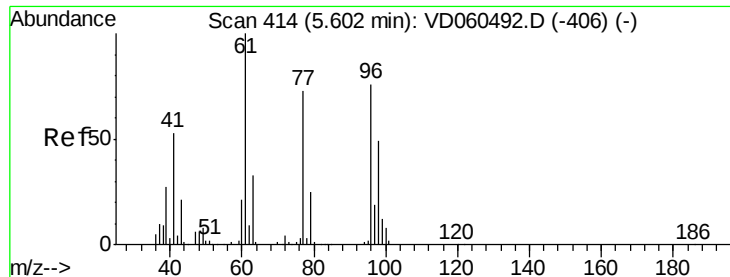
0

5.40 5.50 5.60 5.70 5.80

5.60

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.966 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

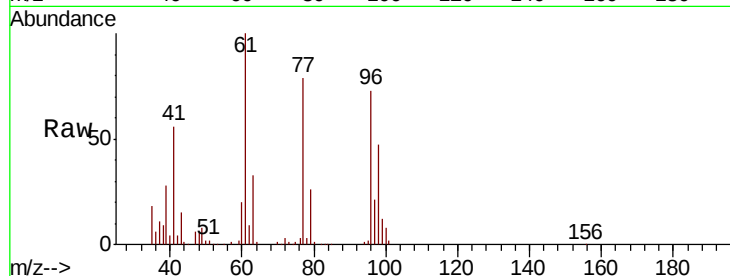
Tot Ion: 96 Resp: 951745

Ion Ratio Lower Upper

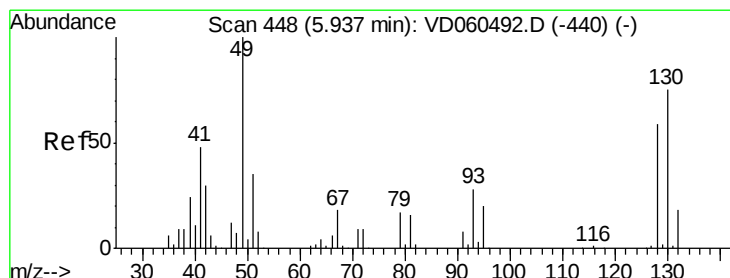
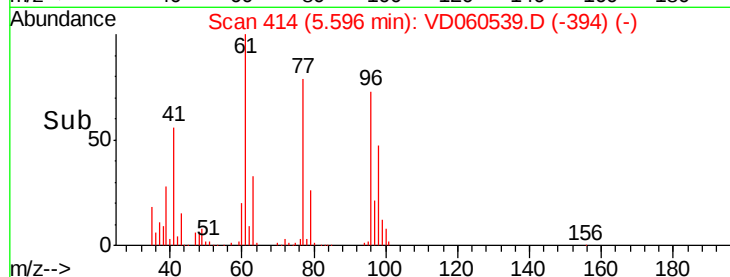
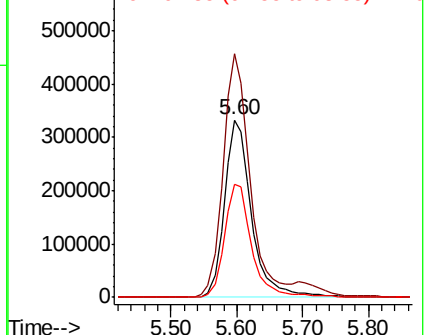
96 100

61 137.1 0.0 263.6

98 64.0 0.0 128.2



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



#28

Bromochloromethane

Concen: 47.953 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

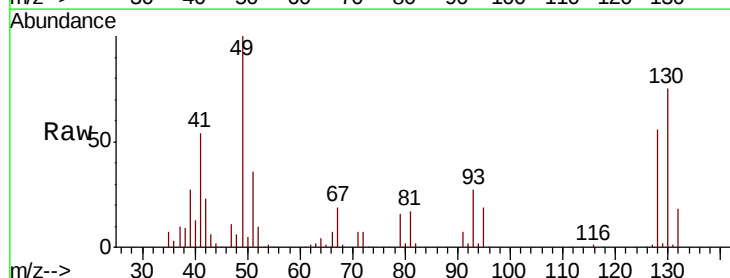
Tgt Ion: 49 Resp: 622519

Ion Ratio Lower Upper

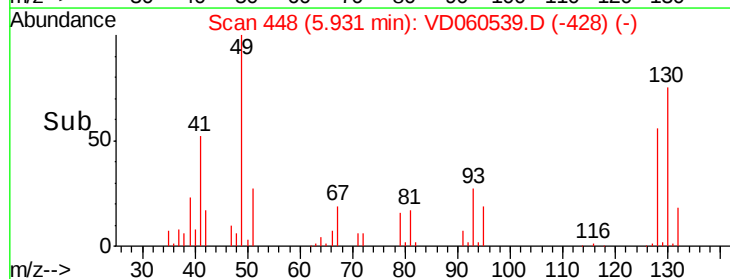
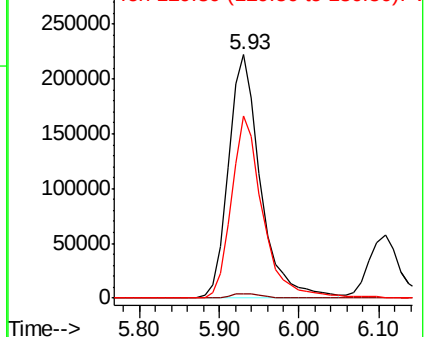
49 100

129 1.9 0.0 3.4

130 74.7 59.8 89.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

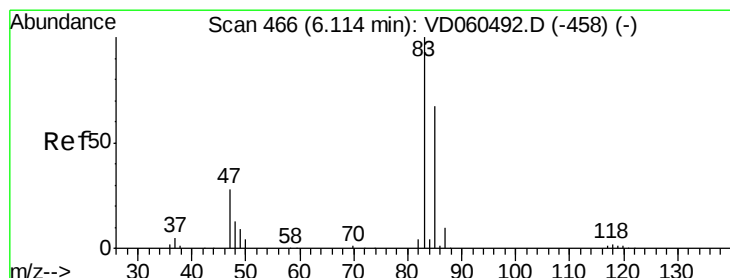
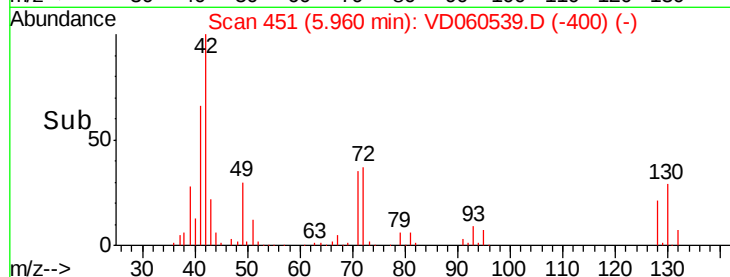
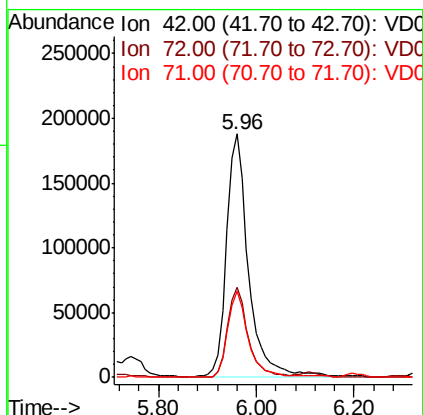
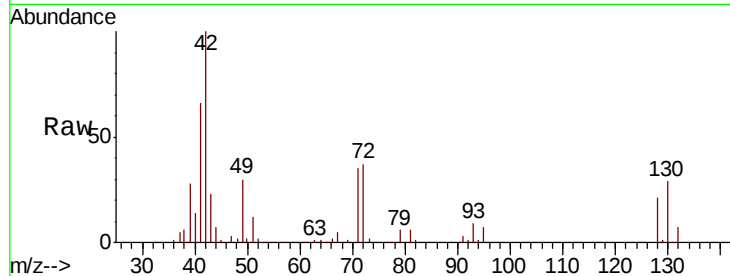




#29
Tetrahydrofuran
Concen: 279.265 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

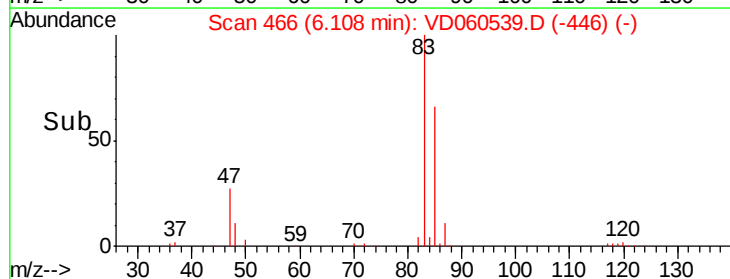
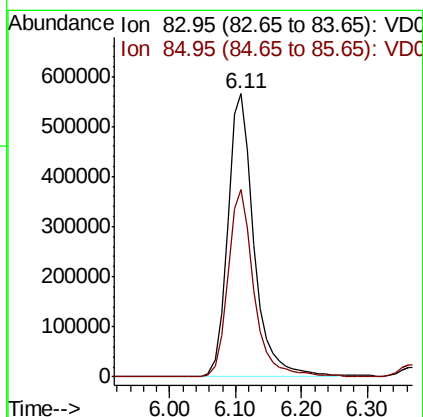
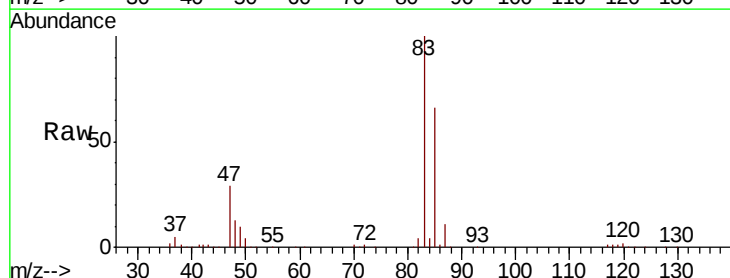
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

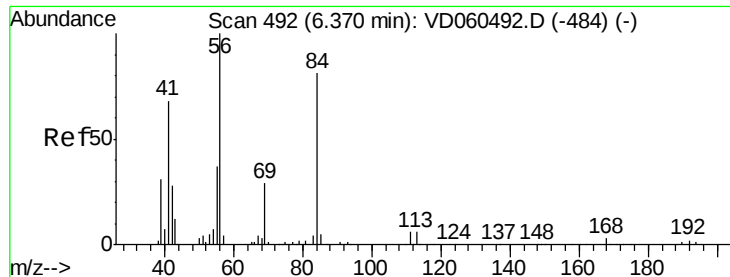
Tot Ion: 42 Resp: 585629
Ion Ratio Lower Upper
42 100
72 34.6 28.0 42.0
71 33.0 27.2 40.8



#30
Chloroform
Concen: 53.302 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 83 Resp: 1573653
Ion Ratio Lower Upper
83 100
85 66.1 53.4 80.2

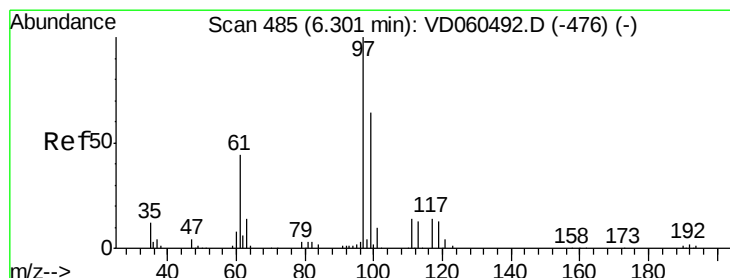
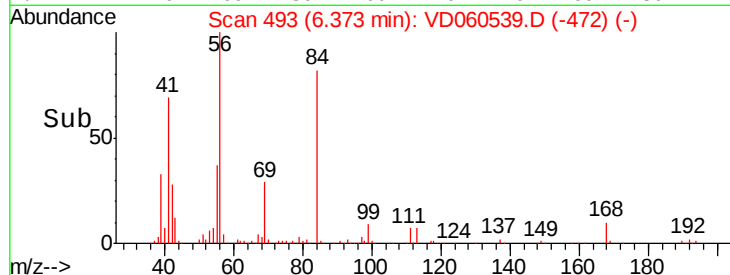
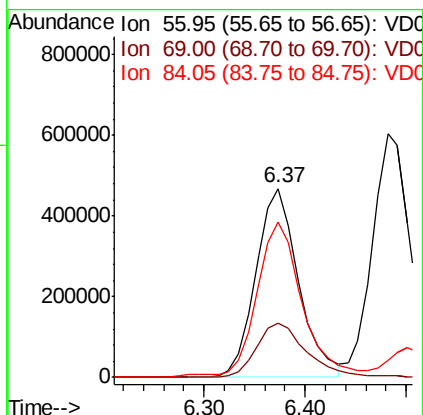
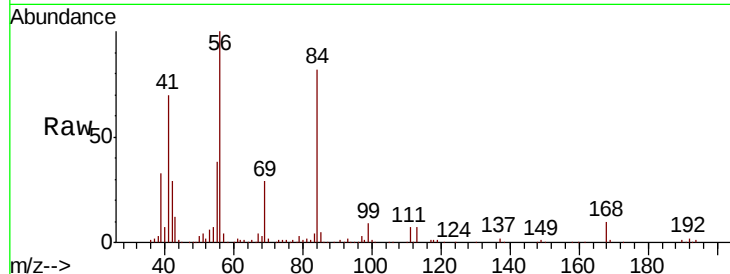




#31
Cyclohexane
Concen: 55.187 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

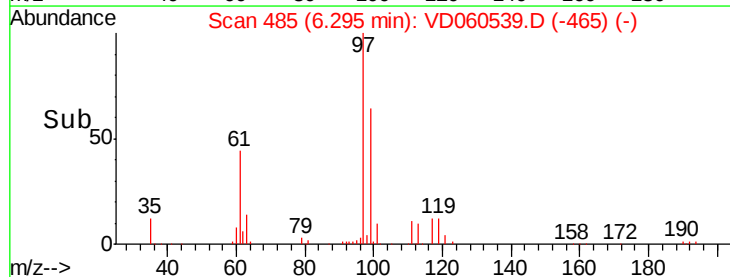
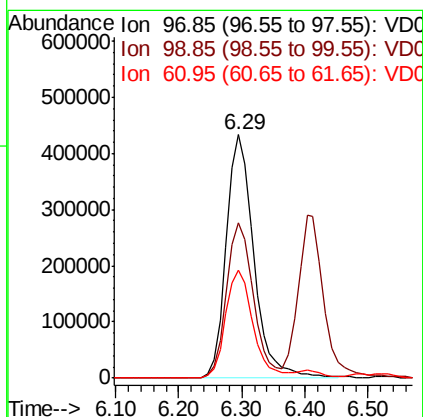
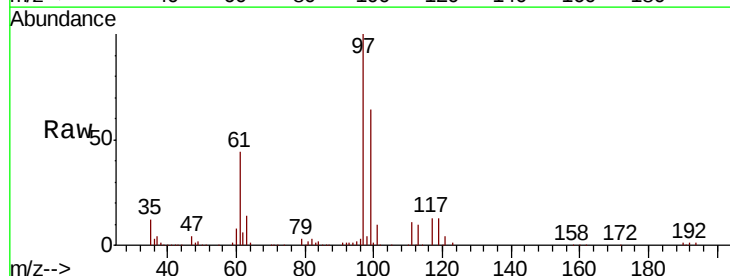
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

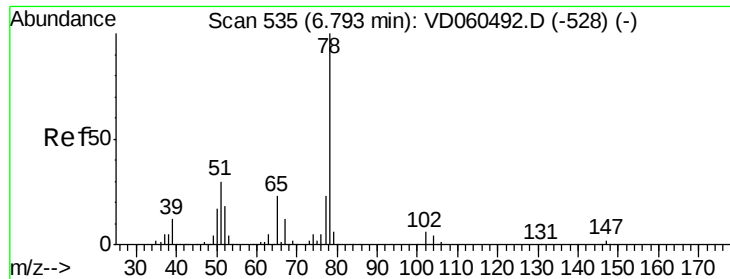
Tot Ion: 56 Resp: 1372971
Ion Ratio Lower Upper
56 100
69 29.0 22.8 34.2
84 82.4 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 53.853 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 97 Resp: 1307057
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 44.2 35.3 52.9

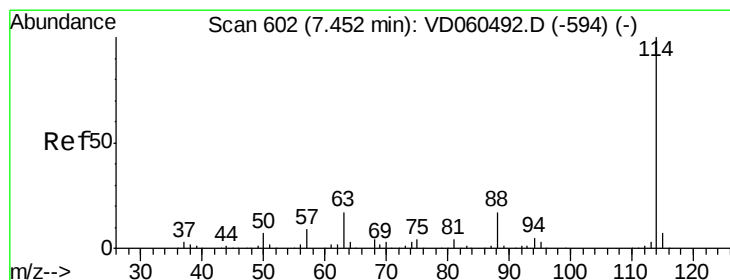
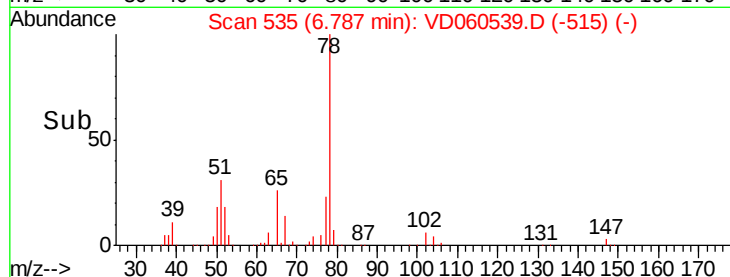
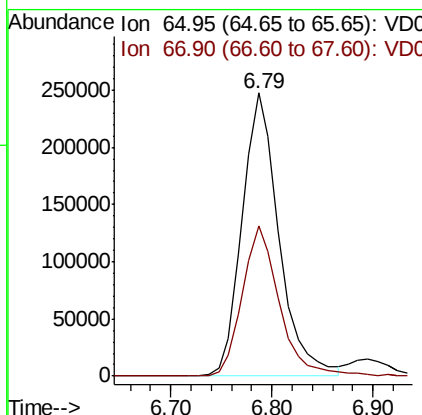
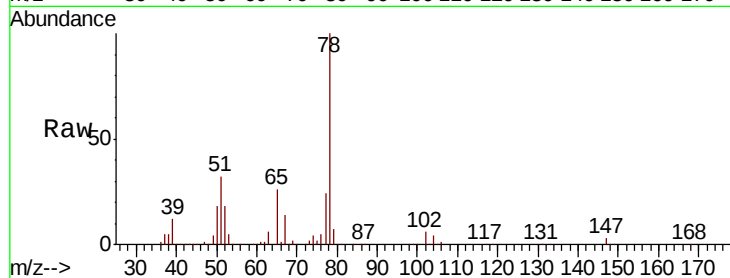




#33
 1,2-Dichloroethane-d4
 Concen: 53.853 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

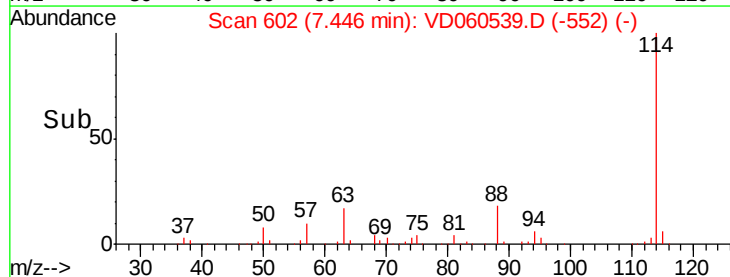
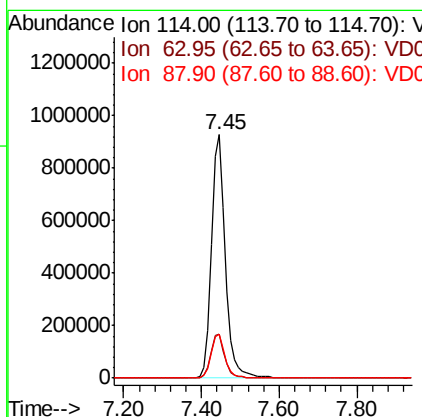
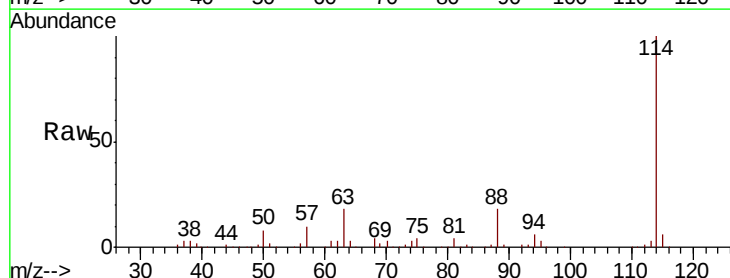
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

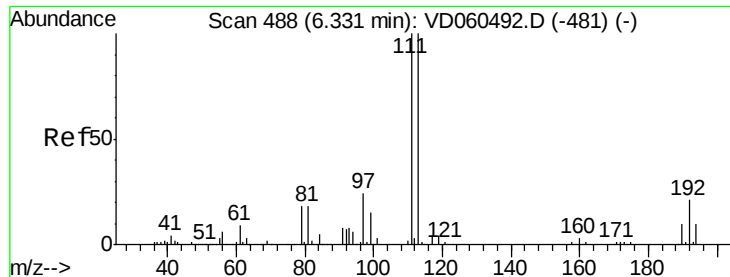
Tot Ion: 65 Resp: 630298
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 114 Resp: 2289801
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.2
 88 18.3 0.0 35.0

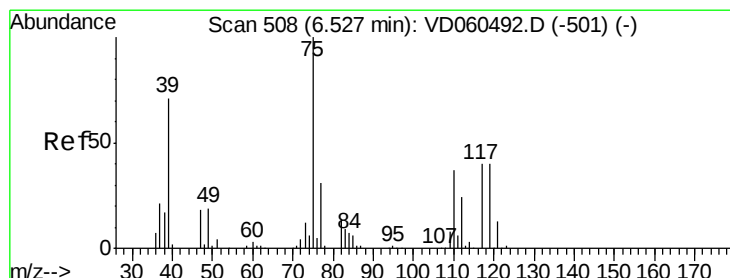
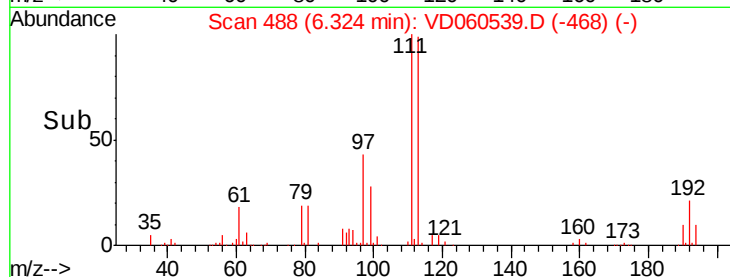
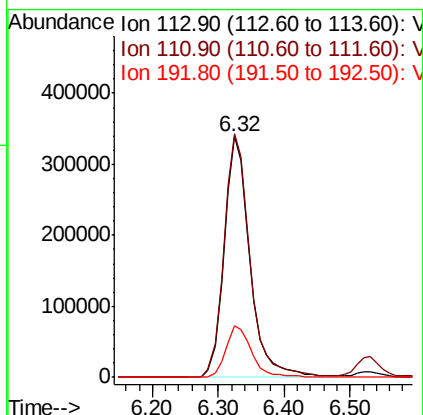
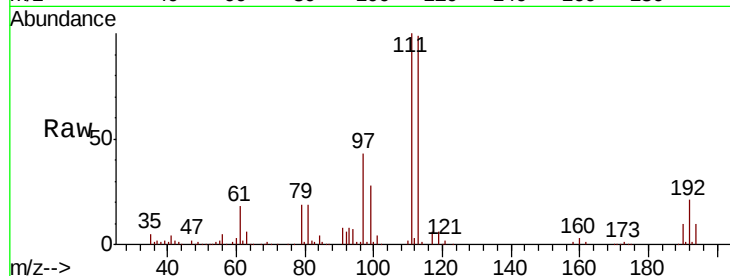




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

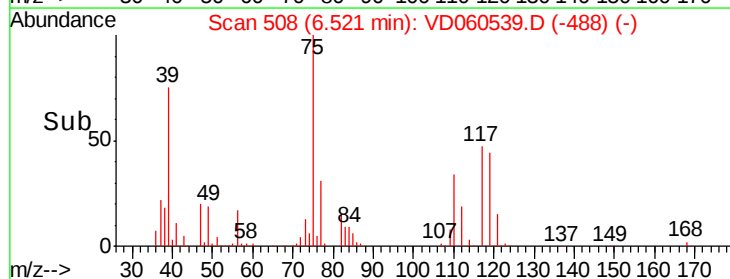
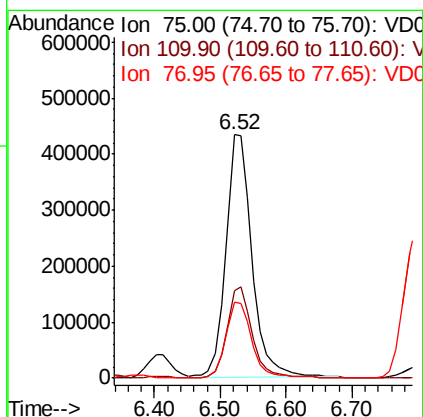
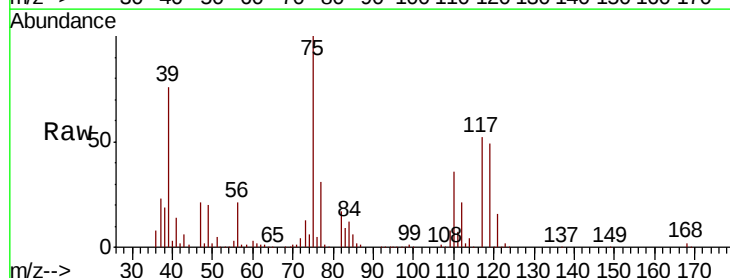
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

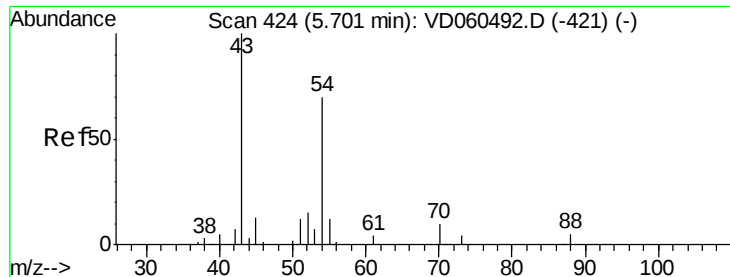
Tot Ion:113 Resp: 928520
Ion Ratio Lower Upper
113 100
111 101.0 80.2 120.4
192 21.2 16.6 24.8



#36
1,1-Dichloropropene
Concen: 53.536 ug/l
RT: 6.52 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 75 Resp: 1198268
Ion Ratio Lower Upper
75 100
110 36.0 18.3 54.8
77 31.0 24.6 37.0

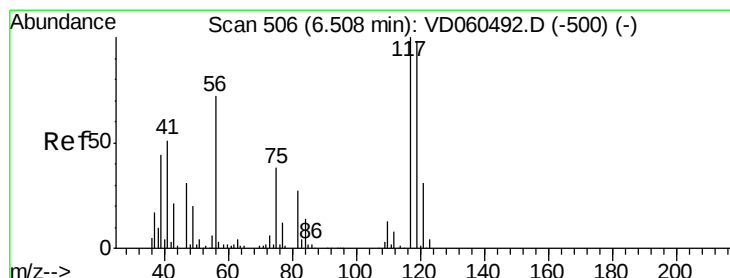
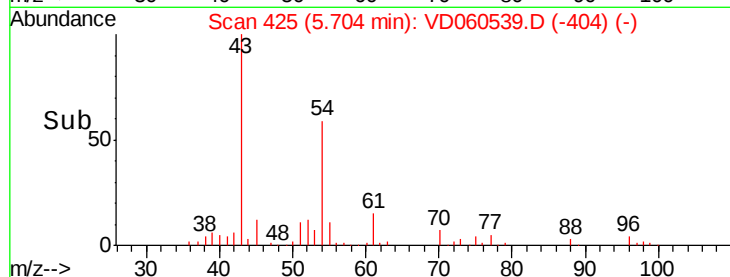
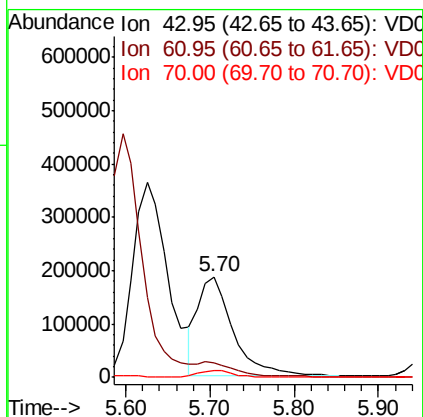
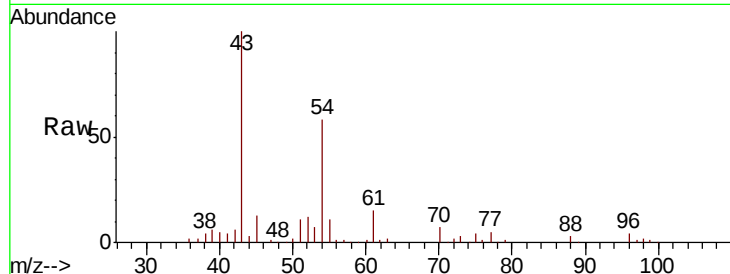




#37
Ethyl Acetate
Concen: 55.017 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

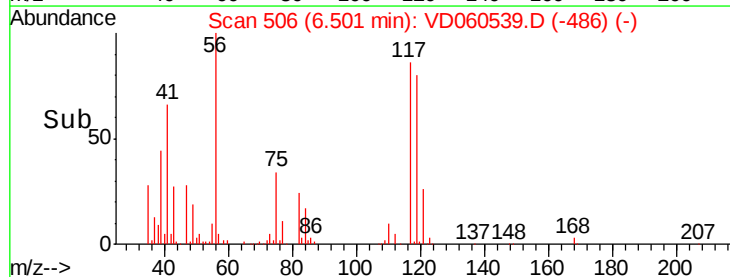
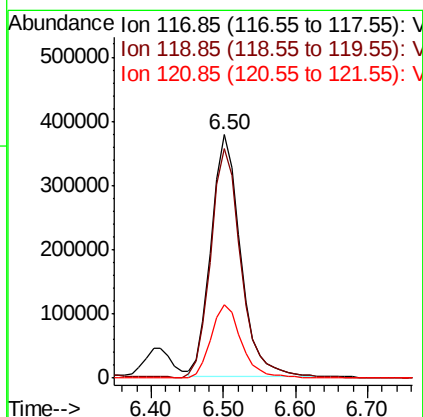
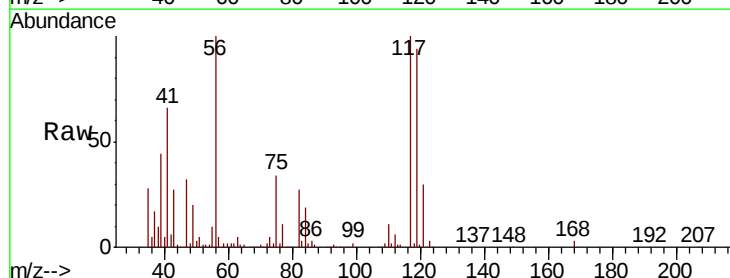
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

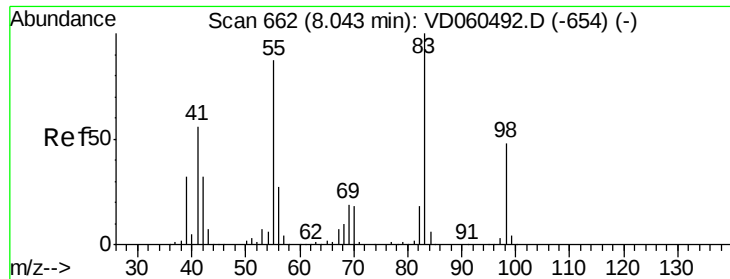
Tot Ion: 43 Resp: 534042
Ion Ratio Lower Upper
43 100
61 14.9 12.4 18.6
70 7.4 5.4 8.0



#38
Carbon Tetrachloride
Concen: 53.063 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 117 Resp: 1066231
Ion Ratio Lower Upper
117 100
119 94.3 76.8 115.2
121 30.2 24.4 36.6

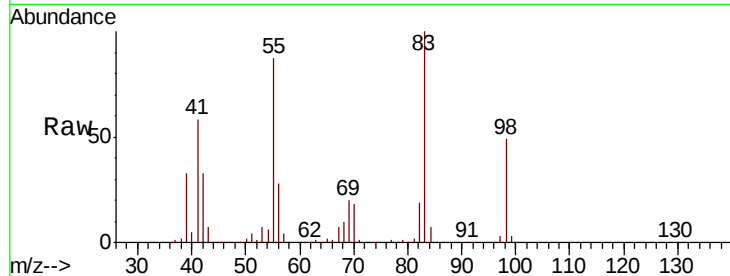




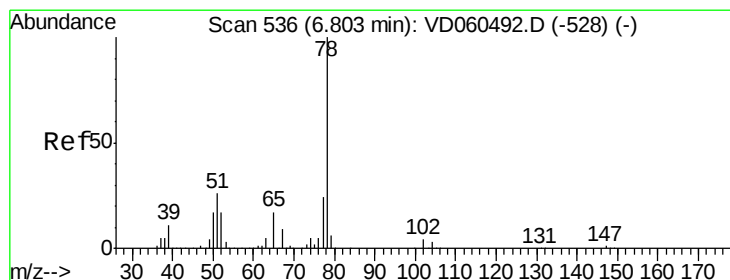
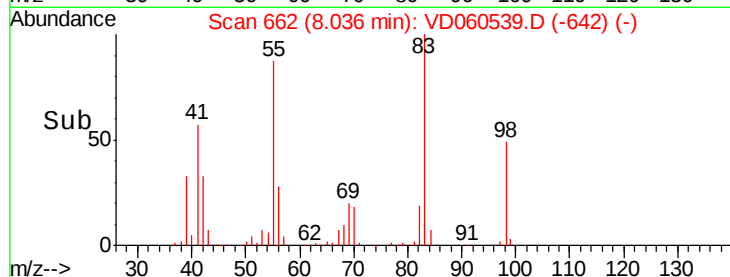
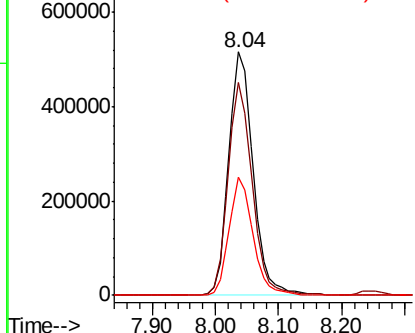
#39
Methvlcvclohexane
Concen: 54.139 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1381386
Ion Ratio Lower Upper
83 100
55 87.3 69.8 104.8
98 48.6 38.4 57.6

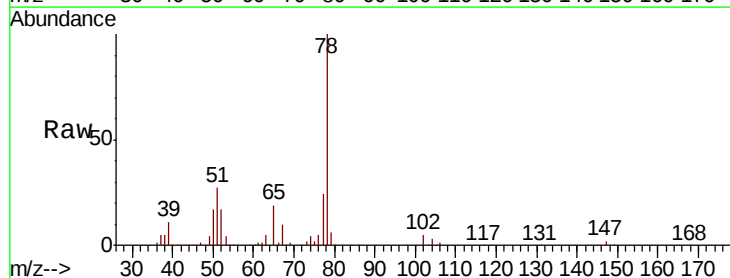


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

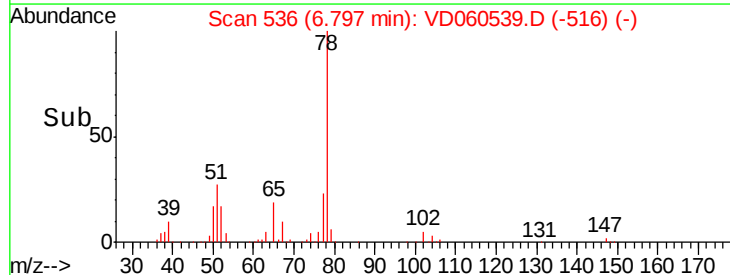
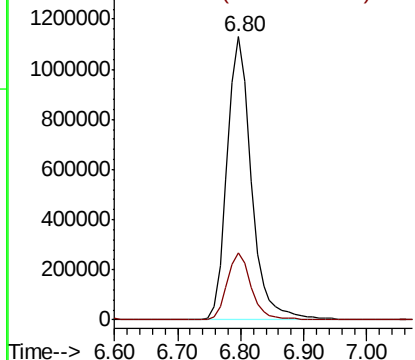


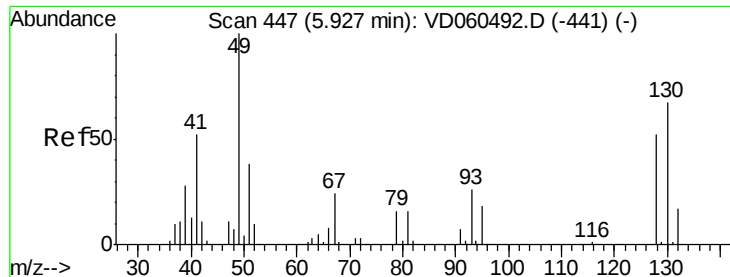
#40
Benzene
Concen: 52.738 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 78 Resp: 3016716
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 118.238 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 618698

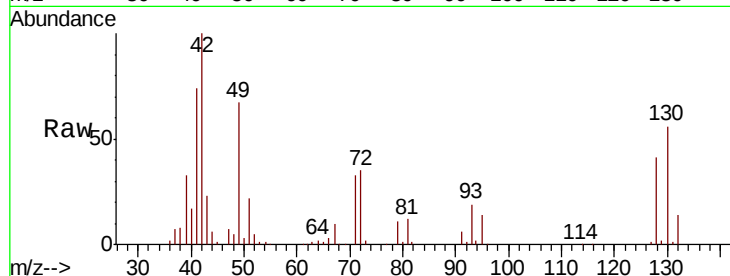
Ion Ratio Lower Upper

41 100

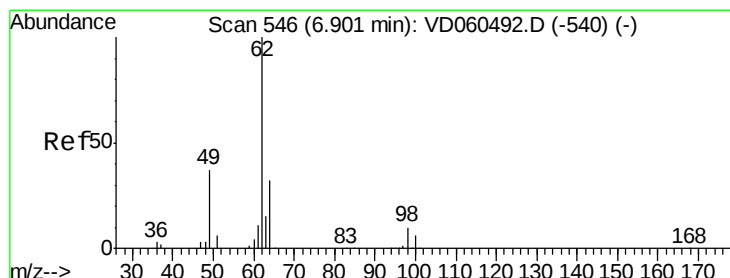
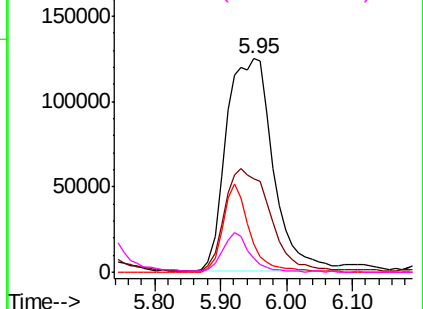
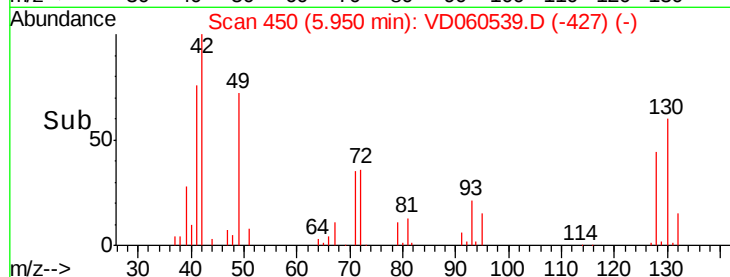
39 44.0 42.6 63.8

67 13.3 36.2 54.4#

52 6.4 15.6 23.4#



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



#42

1,2-Dichloroethane

Concen: 56.276 ug/l

RT: 6.89 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060539.D

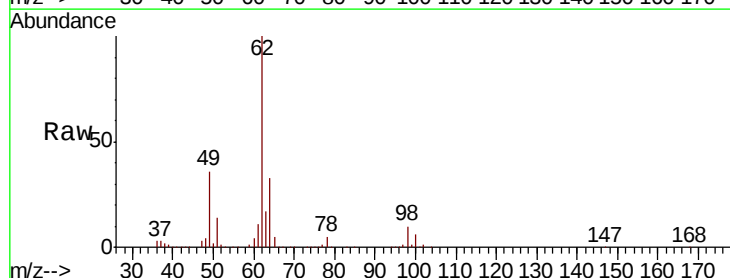
Acq: 12 Dec 2018 11:10

Tgt Ion: 62 Resp: 818489

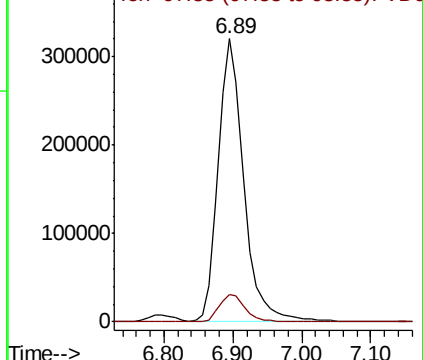
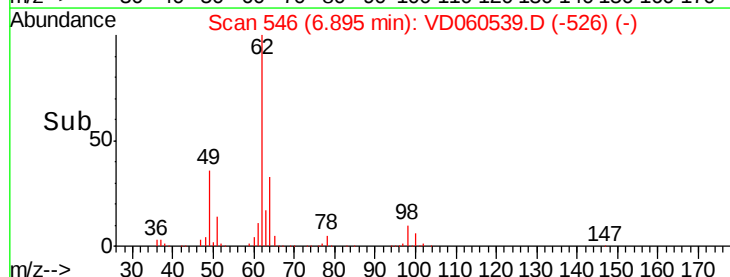
Ion Ratio Lower Upper

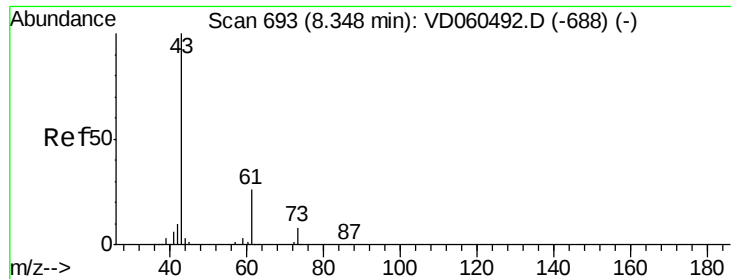
62 100

98 9.9 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 59.222 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

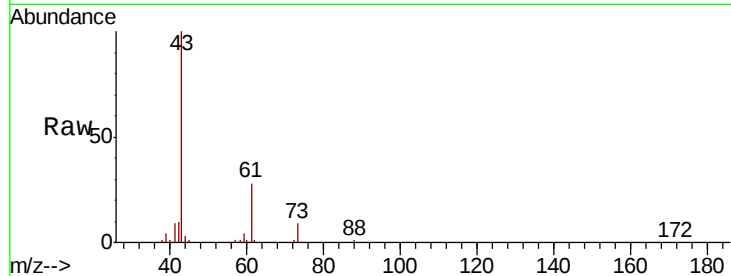
Tot Ion: 43 Resp: 709621

Ion Ratio Lower Upper

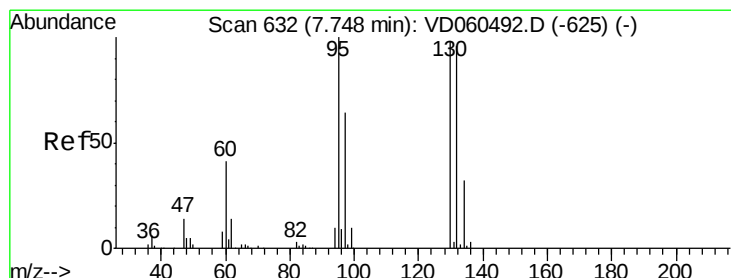
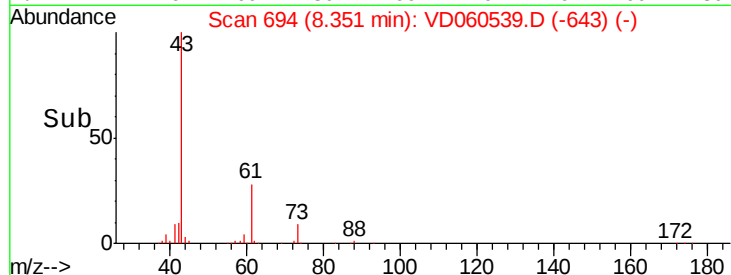
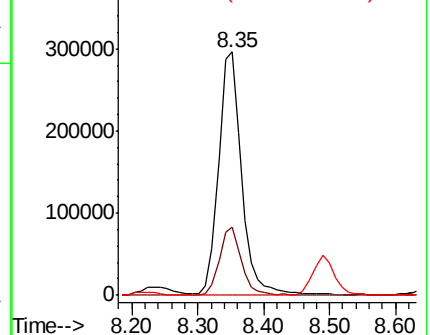
43 100

61 28.0 21.0 31.4

87 0.2 0.2 0.2



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



#44

Trichloroethene

Concen: 54.646 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060539.D

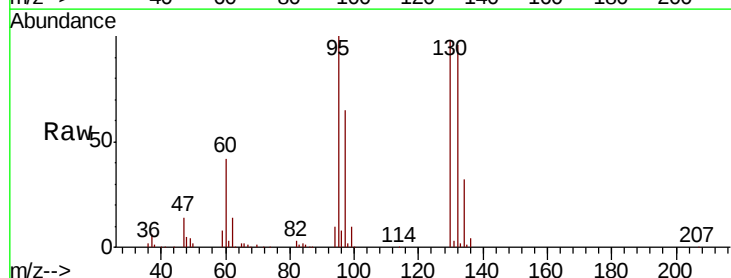
Acq: 12 Dec 2018 11:10

Tgt Ion: 130 Resp: 934181

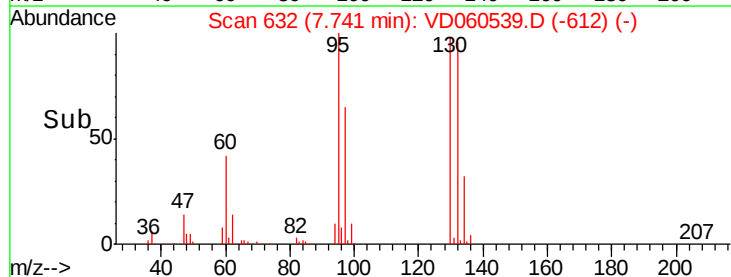
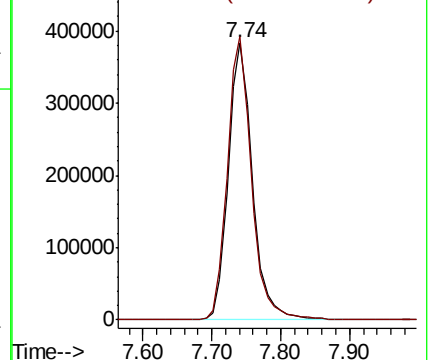
Ion Ratio Lower Upper

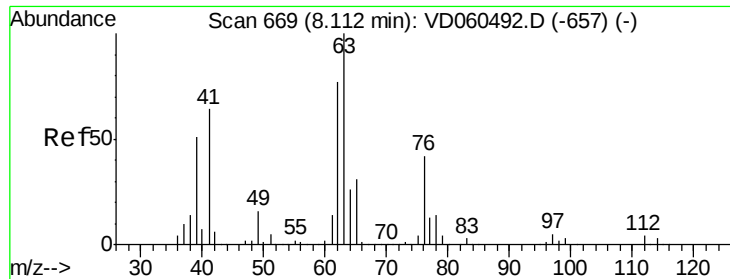
130 100

95 102.1 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 54.532 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

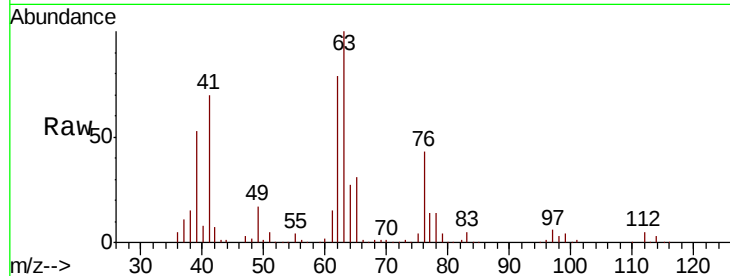
VSTDCCC050

Tot Ion: 63 Resp: 771498

Ion Ratio Lower Upper

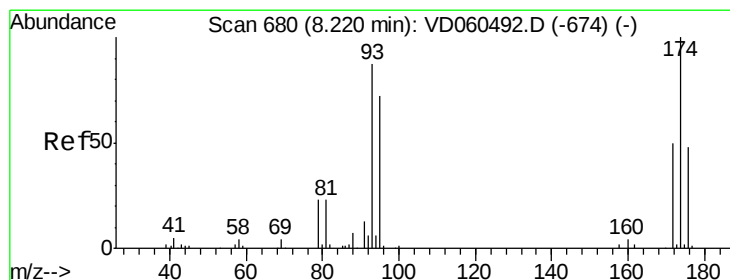
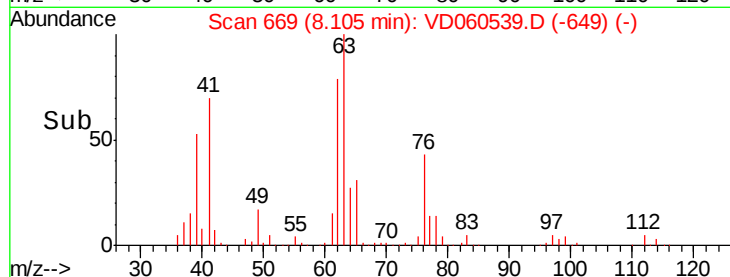
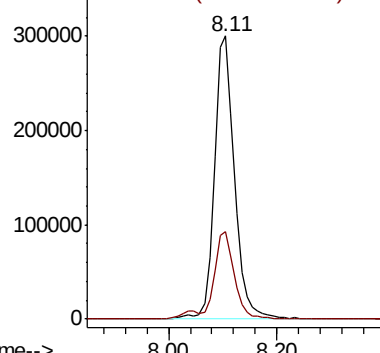
63 100

65 30.9 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 56.017 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

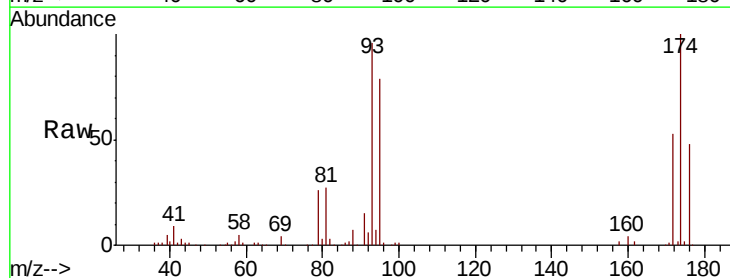
Tgt Ion: 93 Resp: 457886

Ion Ratio Lower Upper

93 100

95 82.4 65.6 98.4

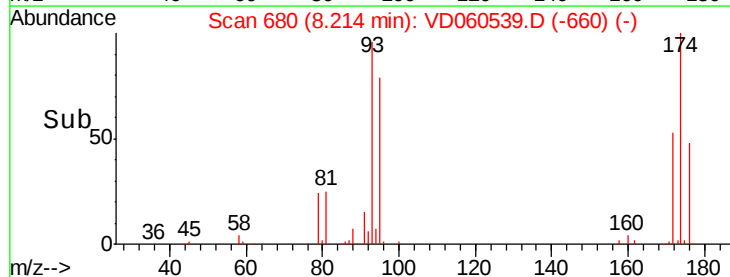
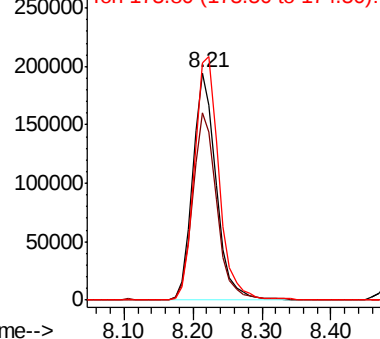
174 104.2 91.7 137.5

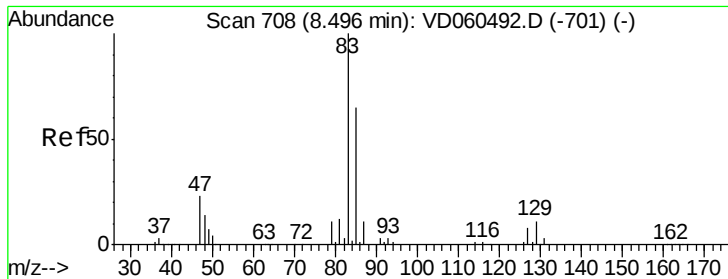


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.964 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

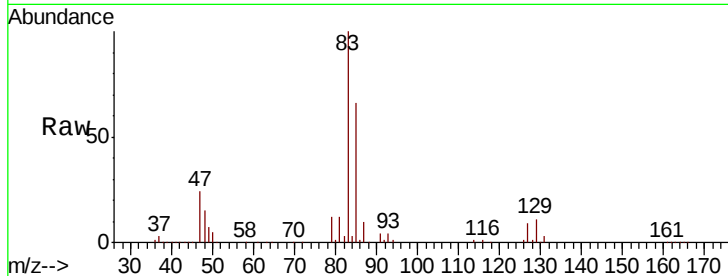
Tot Ion: 83 Resp: 1085419

Ion Ratio Lower Upper

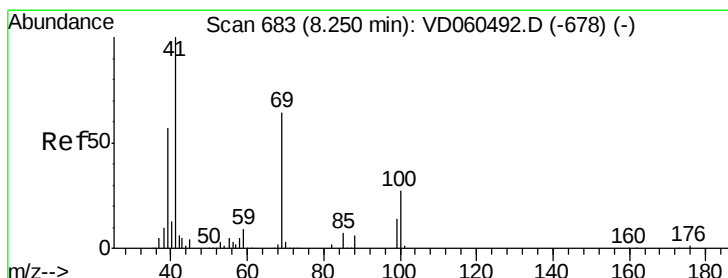
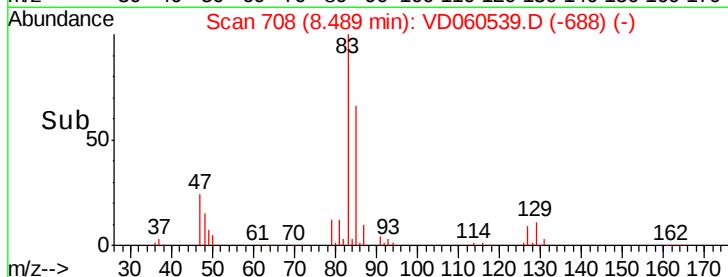
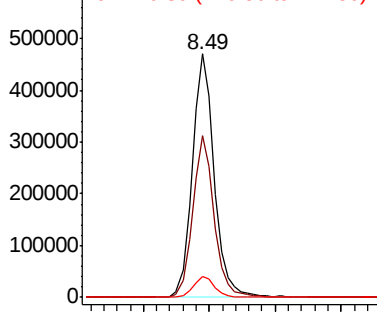
83 100

85 66.4 52.2 78.4

127 8.5 6.7 10.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 60.703 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

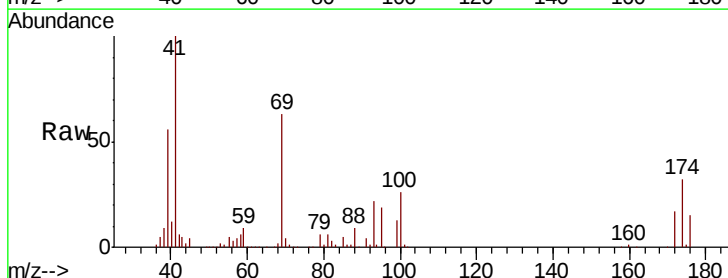
Tgt Ion: 41 Resp: 430380

Ion Ratio Lower Upper

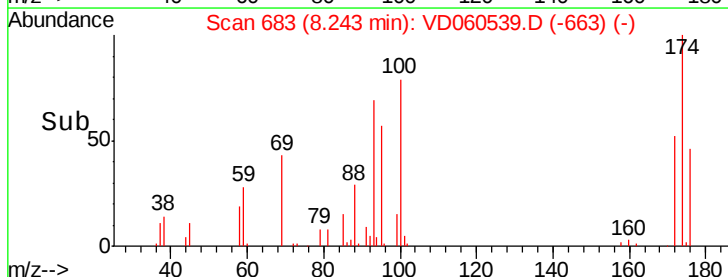
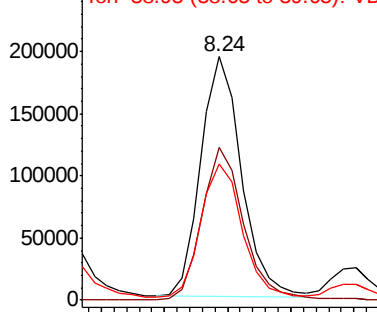
41 100

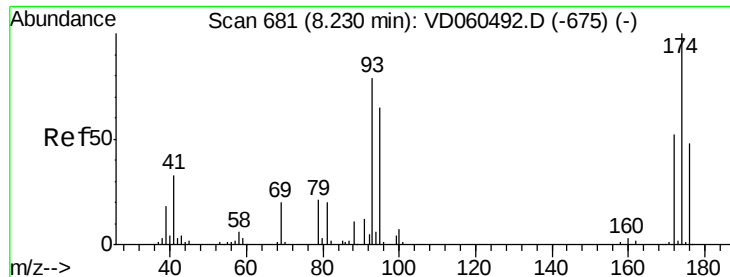
69 62.6 50.2 75.4

39 55.9 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

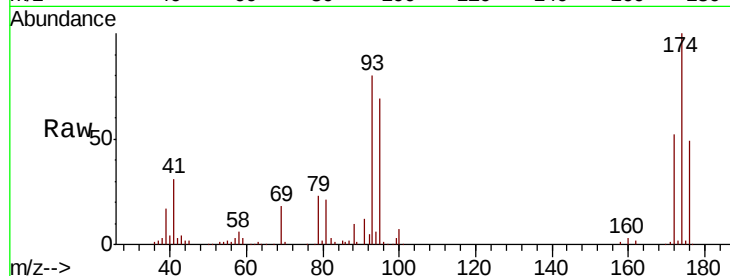




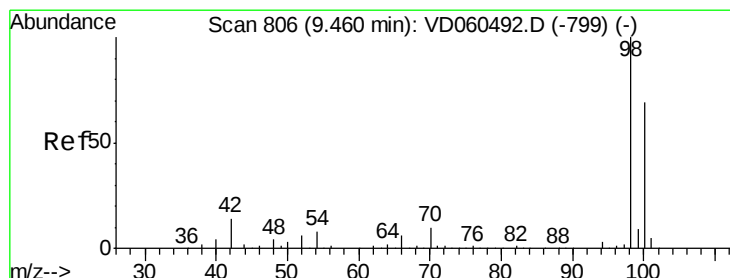
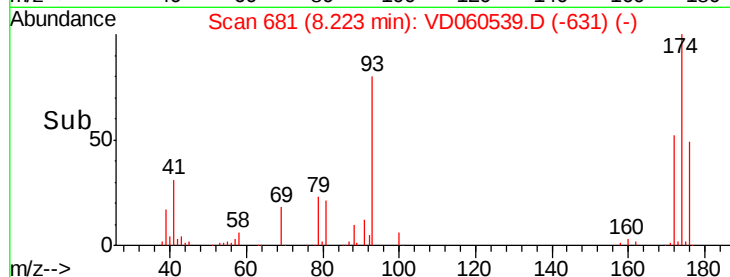
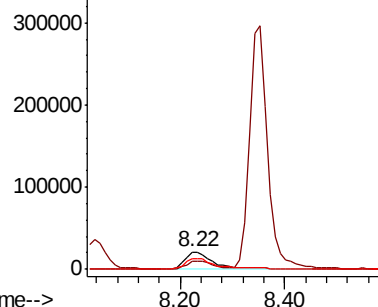
#49
1,4-Dioxane
Concen: 1286.681 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 82680
Ion Ratio Lower Upper
88 100
43 43.3 32.9 49.3
58 64.1 47.7 71.5

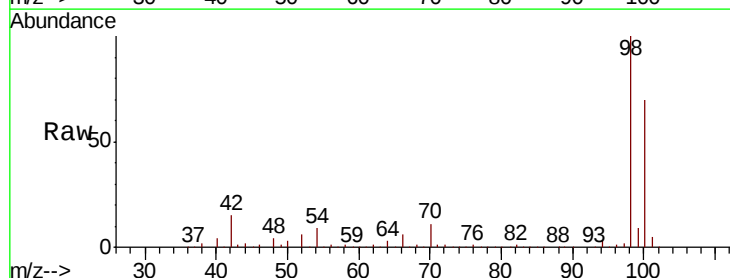


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

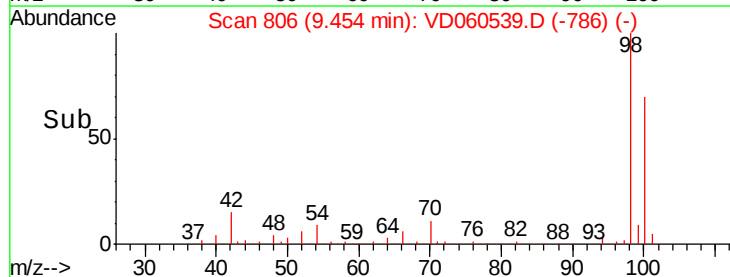
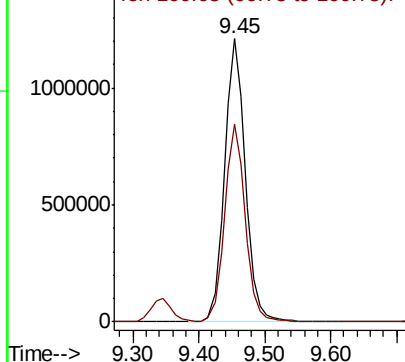


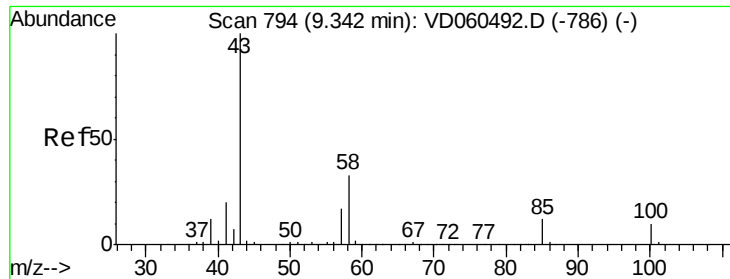
#50
Toluene-d8
Concen: 1286.681 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 98 Resp: 2669322
Ion Ratio Lower Upper
98 100
100 69.8 55.7 83.5



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: 294.006 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

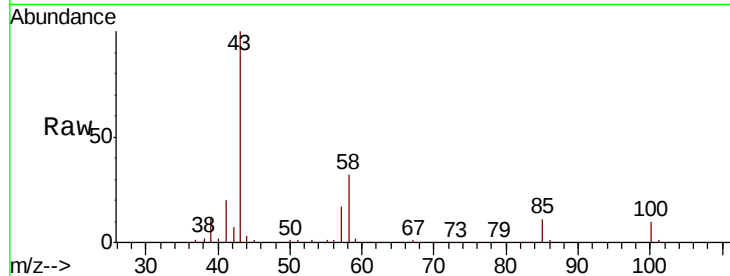
VSTDCCC050

Tot Ion: 43 Resp: 2191407

Ion Ratio Lower Upper

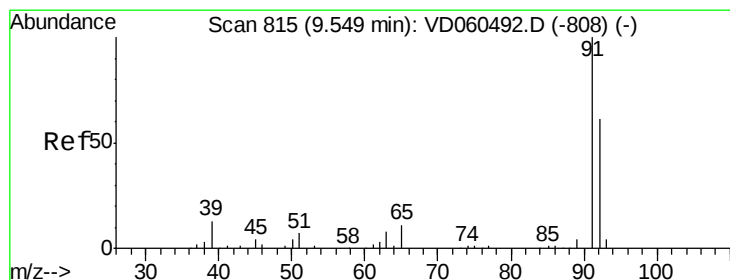
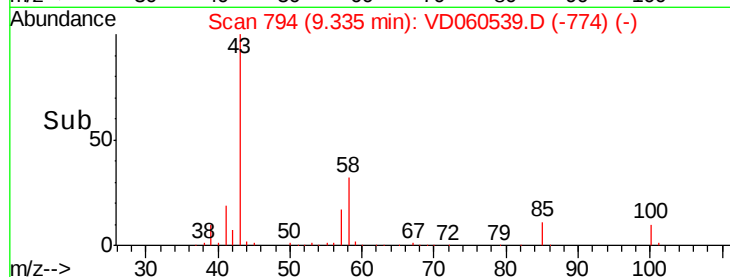
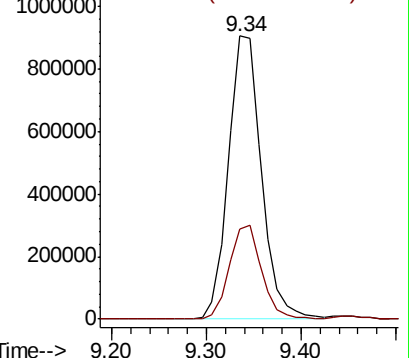
43 100

58 31.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.311 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060539.D

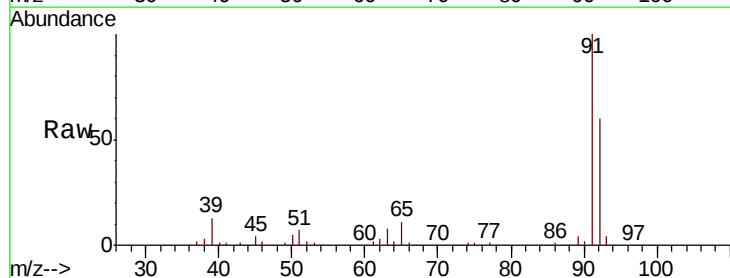
Acq: 12 Dec 2018 11:10

Tgt Ion: 92 Resp: 1941772

Ion Ratio Lower Upper

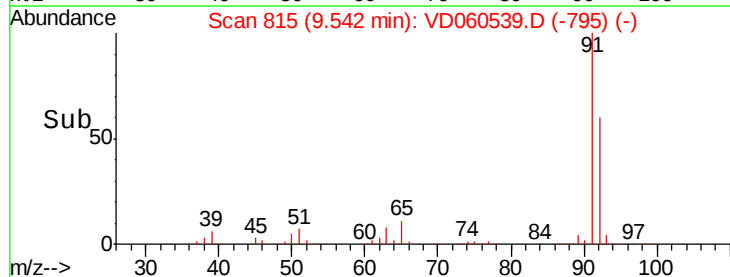
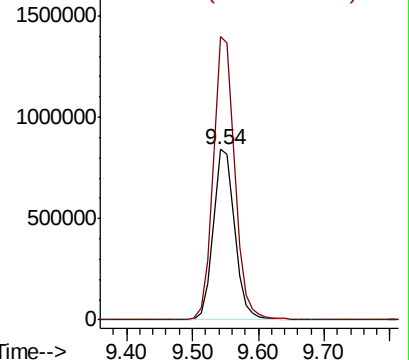
92 100

91 166.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.344 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

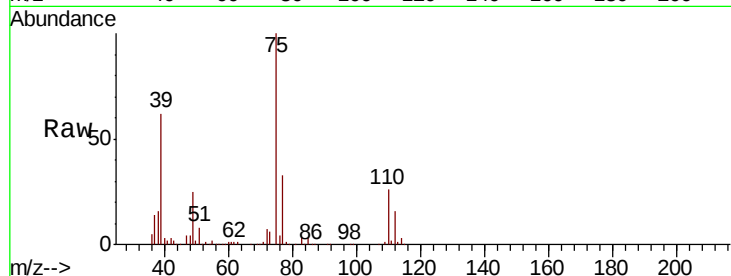
VSTDCCC050

Tot Ion: 75 Resp: 913871

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

400000

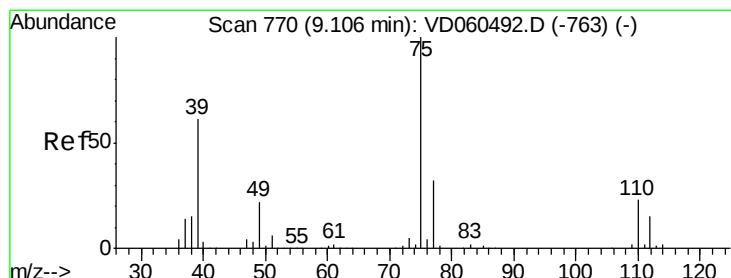
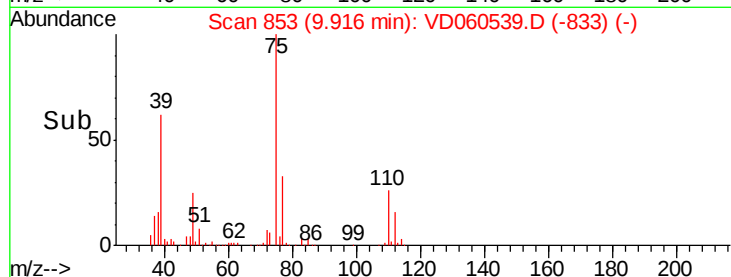
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.632 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

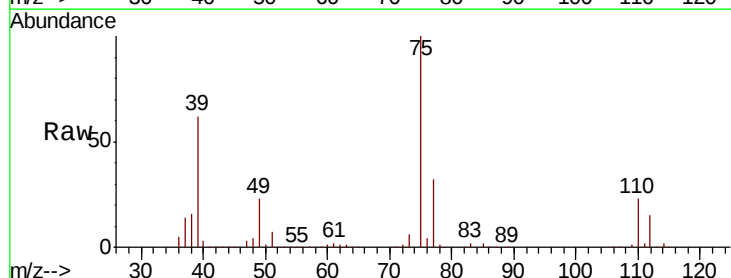
Tgt Ion: 75 Resp: 1185775

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 61.9 48.6 73.0



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

9.10

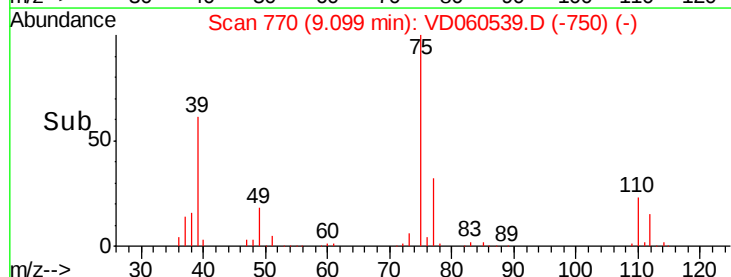
600000

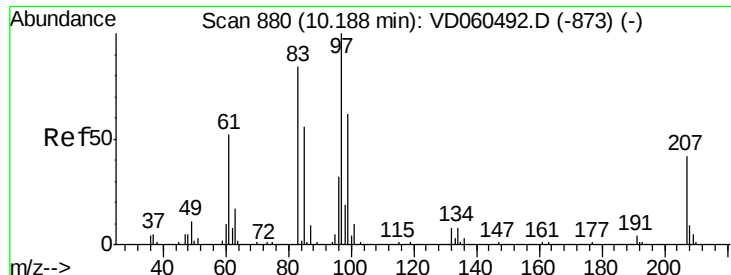
400000

200000

0

Time-->

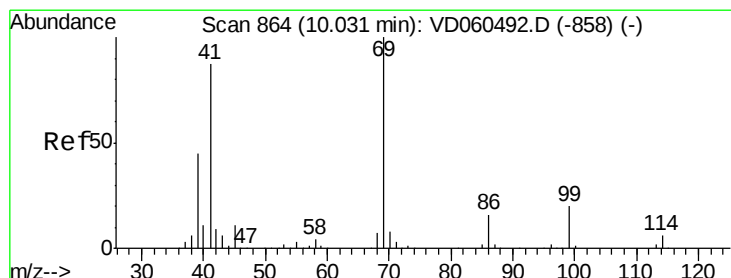
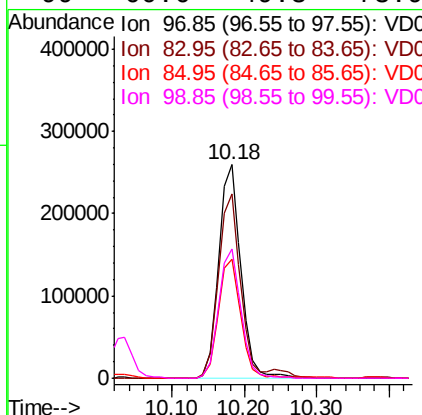
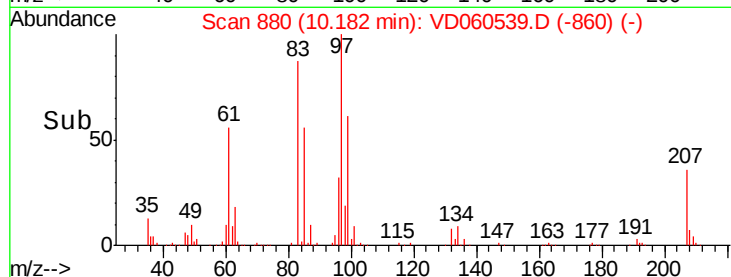
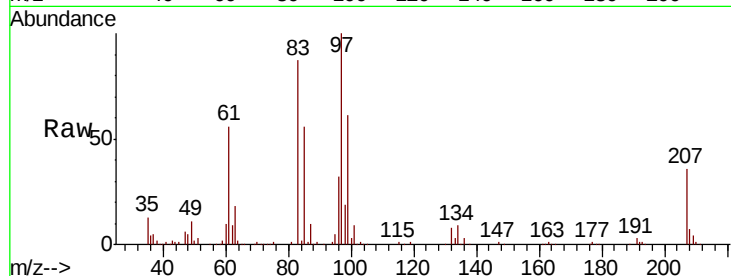




#55
 1,1,2-Trichloroethane
 Concen: 54.867 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

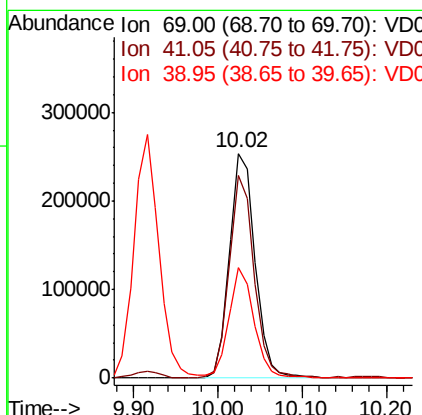
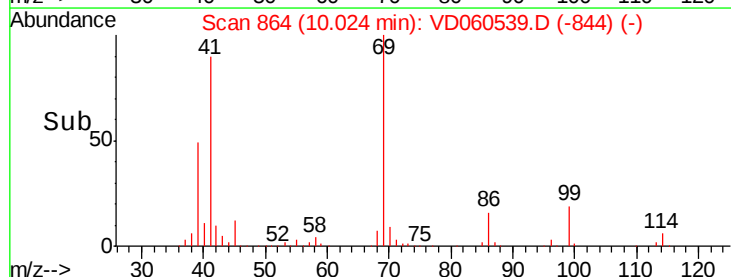
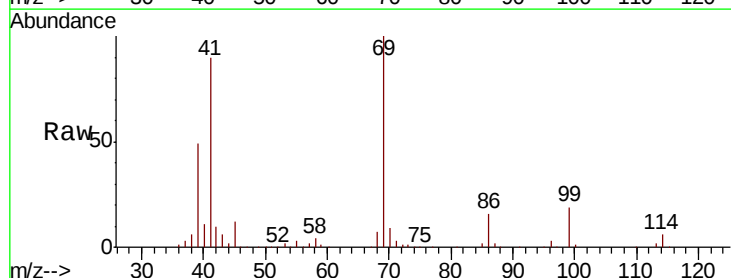
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

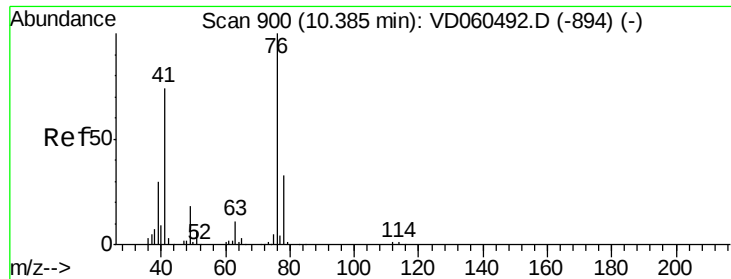
Tot Ion: 97 Resp: 546281
 Ion Ratio Lower Upper
 97 100
 83 86.5 67.2 100.8
 85 55.6 44.5 66.7
 99 60.6 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 59.809 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 69 Resp: 538931
 Ion Ratio Lower Upper
 69 100
 41 90.3 69.8 104.8
 39 48.9 37.5 56.3





#57

1,3-Dichloropropane

Concen: 55.947 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

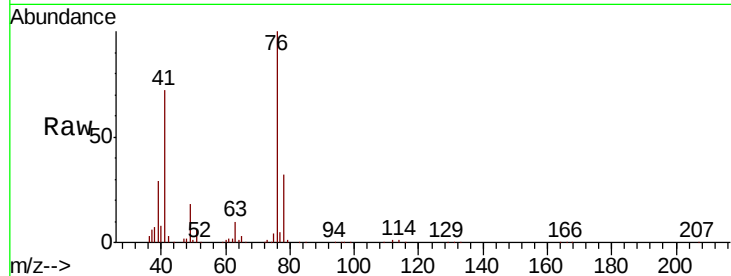
VSTDCCC050

Tot Ion: 76 Resp: 861096

Ion Ratio Lower Upper

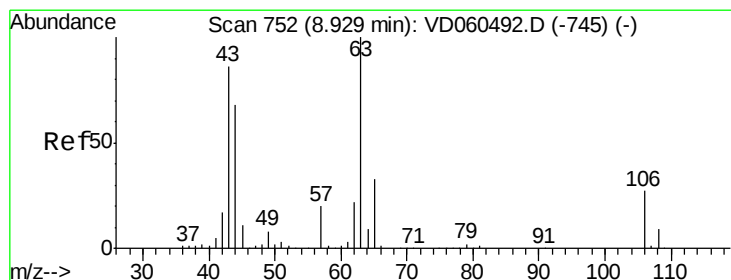
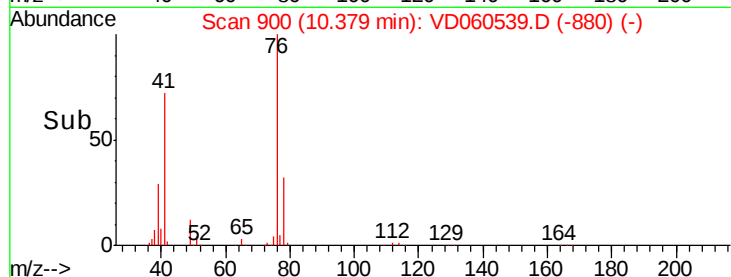
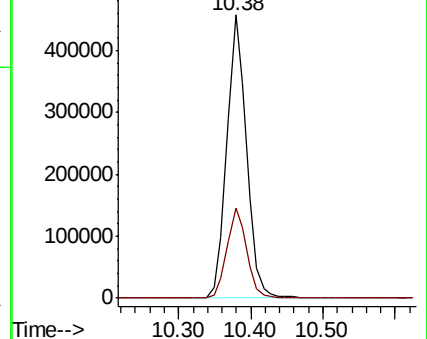
76 100

78 31.8 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 284.278 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060539.D

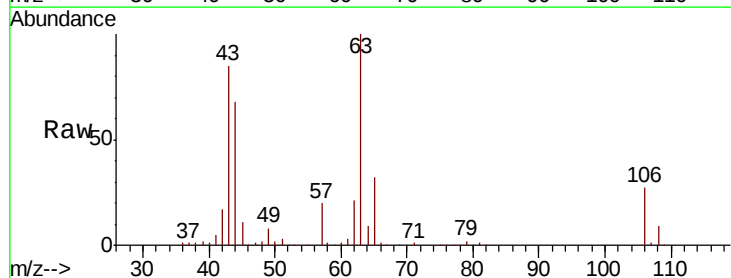
Acq: 12 Dec 2018 11:10

Tgt Ion: 63 Resp: 1532715

Ion Ratio Lower Upper

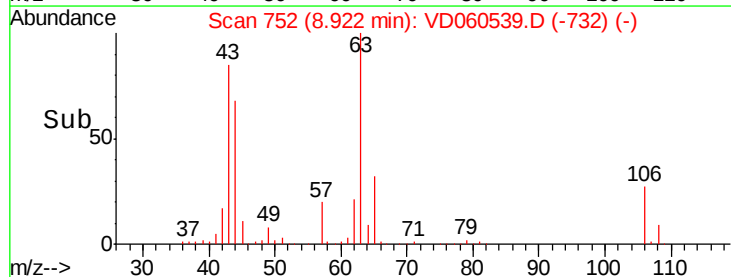
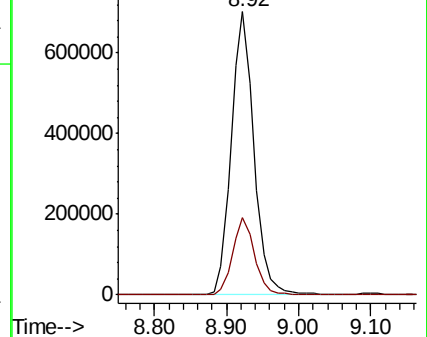
63 100

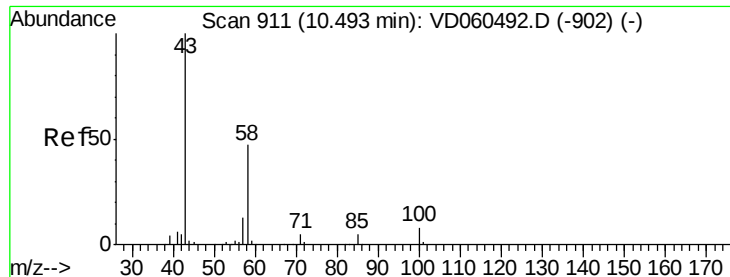
106 27.4 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

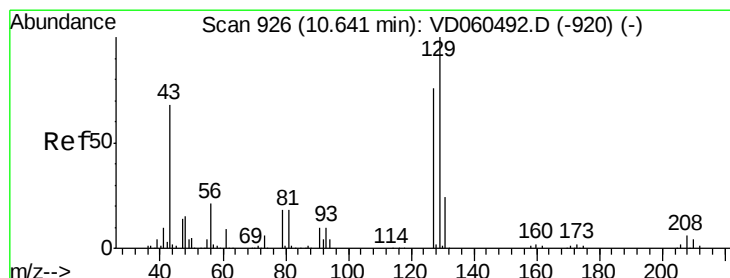
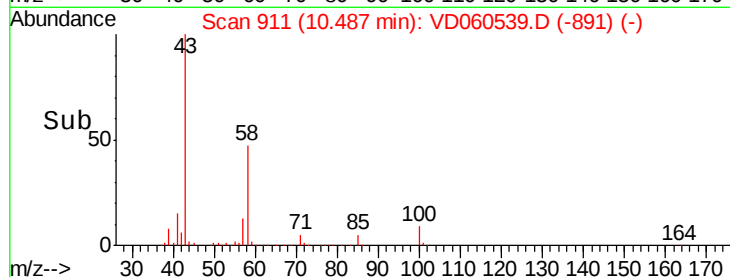
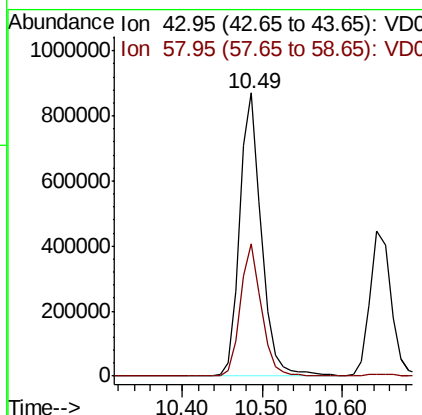
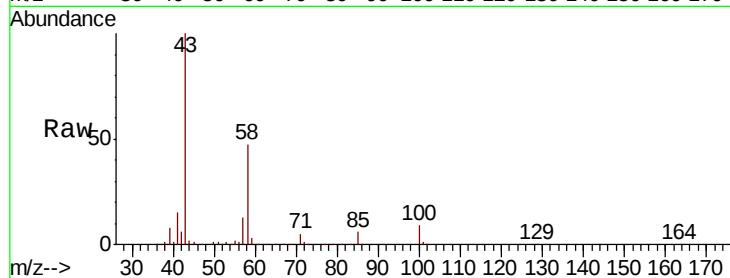




#59
2-Hexanone
Concen: 314.800 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

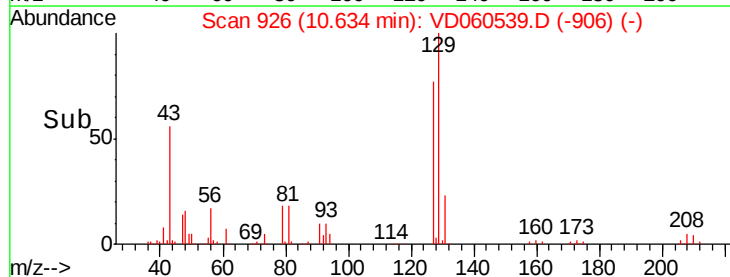
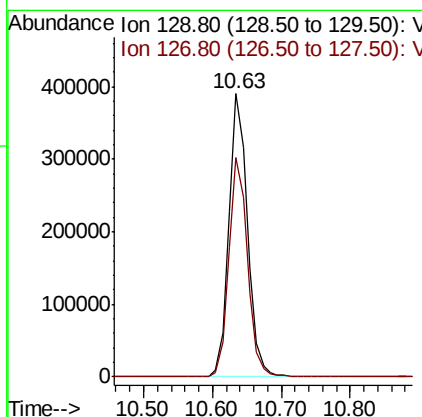
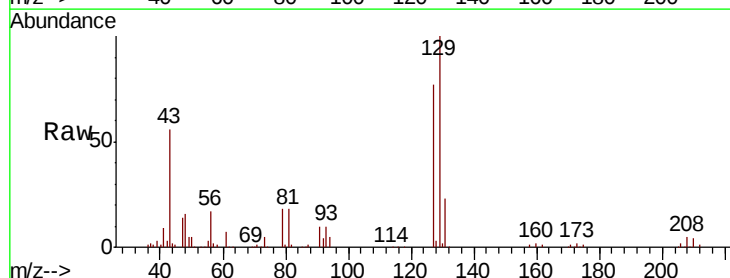
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

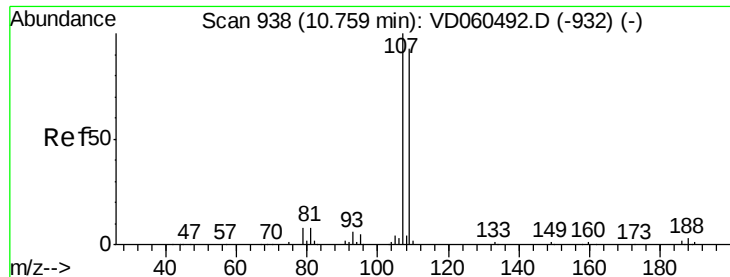
Tot Ion: 43 Resp: 1640073
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2



#60
Dibromochloromethane
Concen: 58.398 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:129 Resp: 726962
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 57.466 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

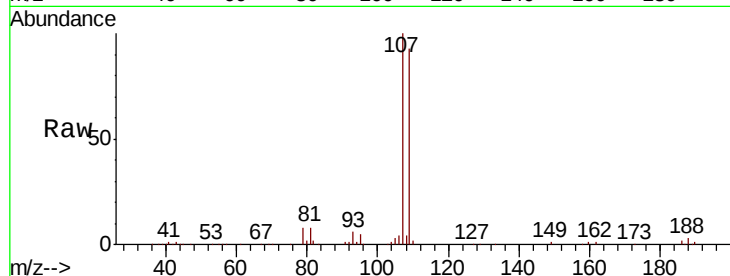
VSTDCCC050

Tot Ion:107 Resp: 583095

Ion Ratio Lower Upper

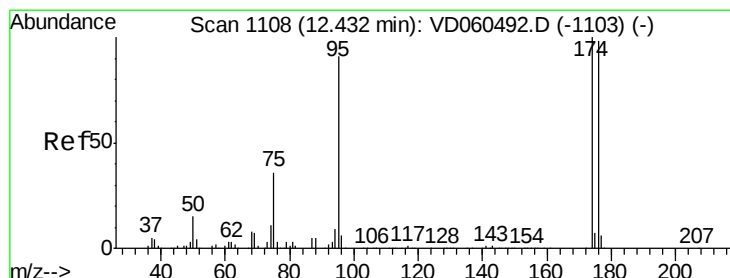
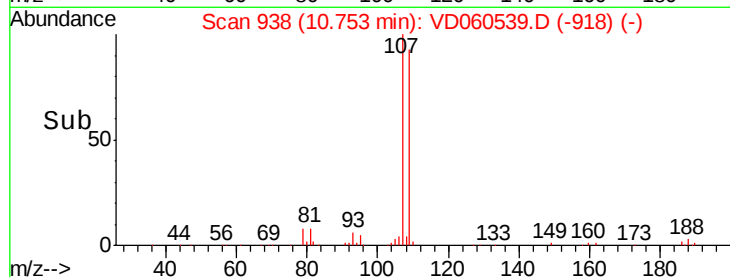
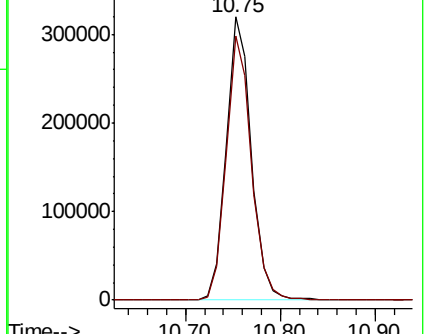
107 100

109 93.3 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.466 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

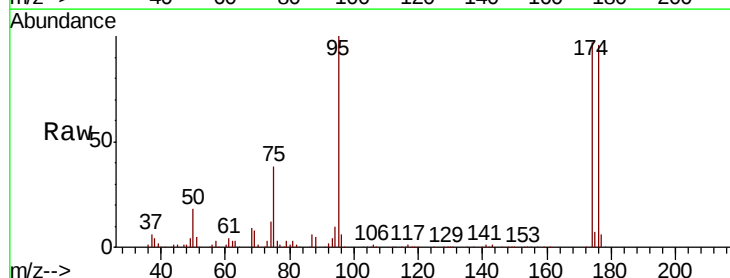
Tgt Ion: 95 Resp: 930791

Ion Ratio Lower Upper

95 100

174 96.9 0.0 219.4

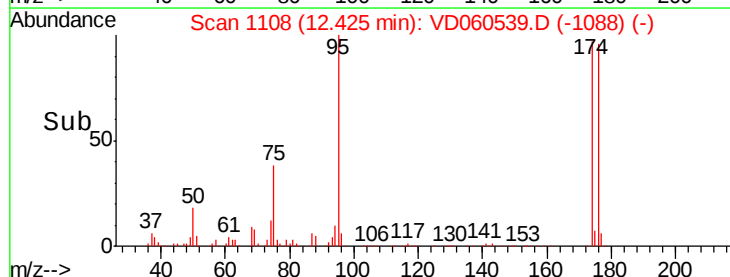
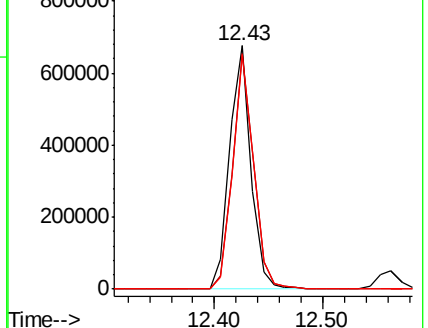
176 96.1 0.0 214.6

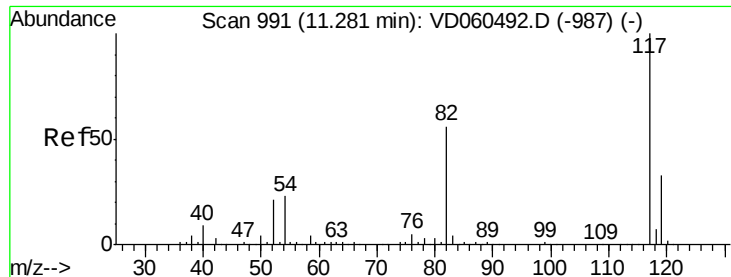


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

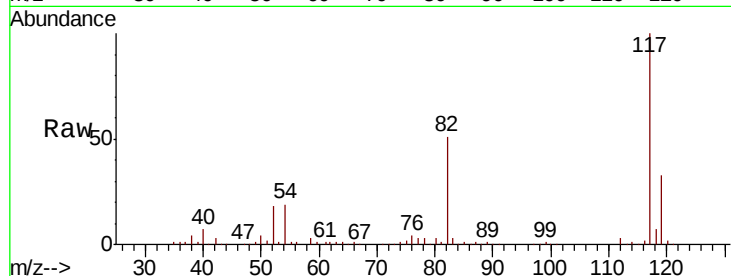




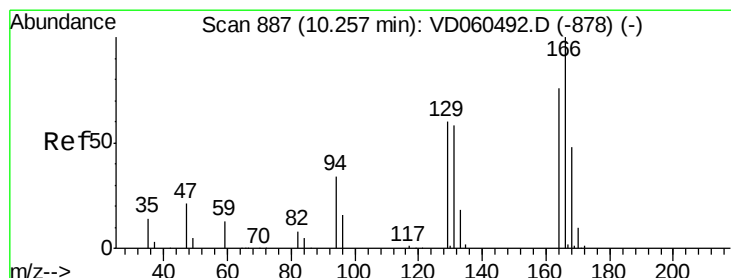
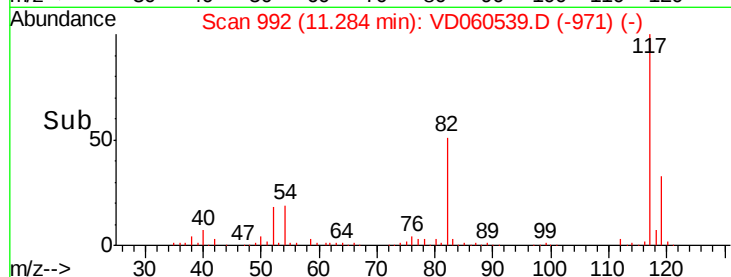
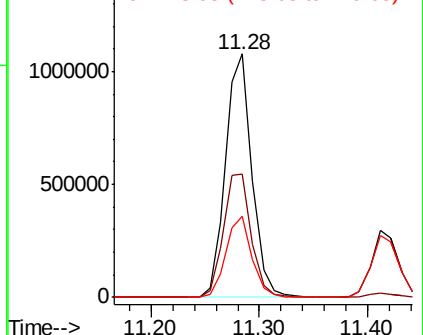
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1826934
Ion Ratio Lower Upper
117 100
82 50.5 45.2 67.8
119 33.4 26.1 39.1

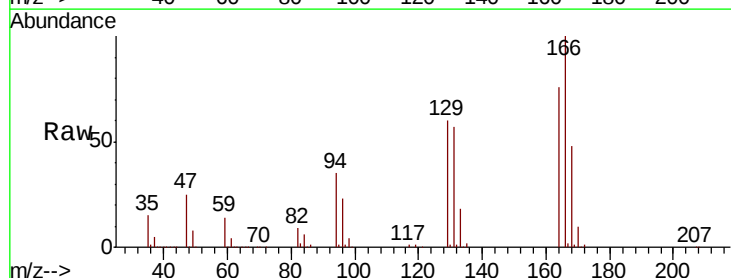


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

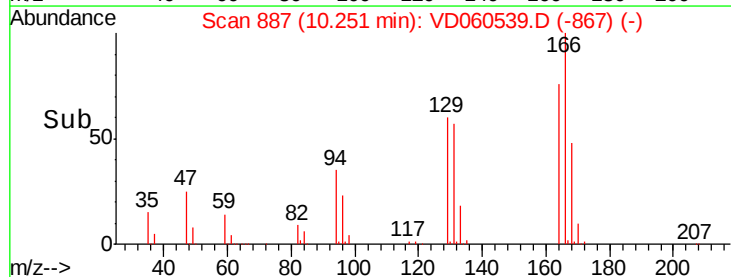
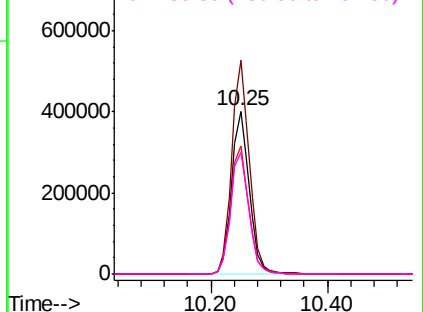


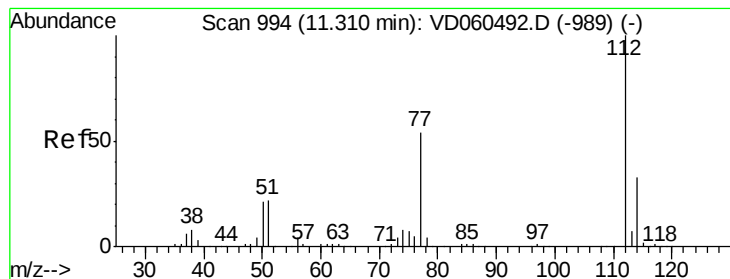
#64
Tetrachloroethene
Concen: 52.122 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:164 Resp: 843180
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 78.7 63.0 94.4
131 74.8 60.6 90.8



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: 53.013 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

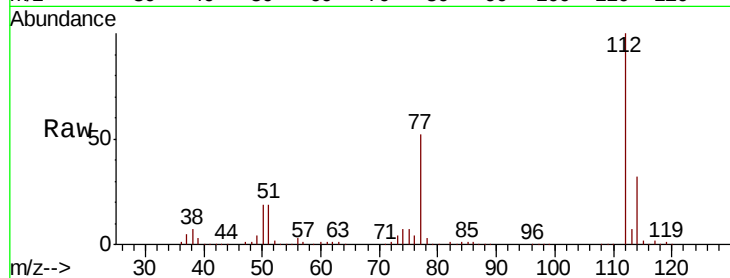
VSTDCCC050

Tot Ion:112 Resp: 2048961

Ion Ratio Lower Upper

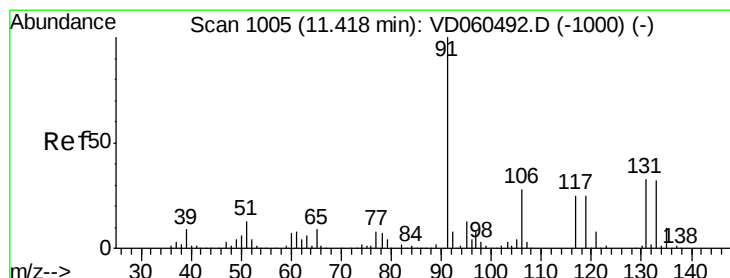
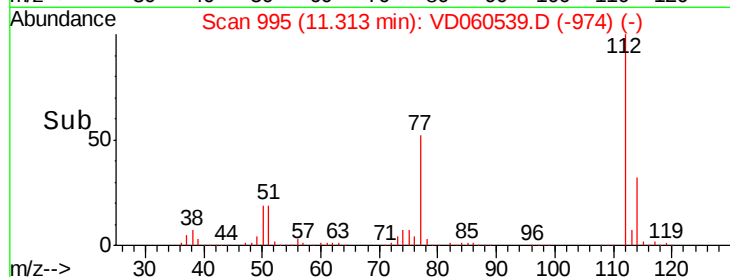
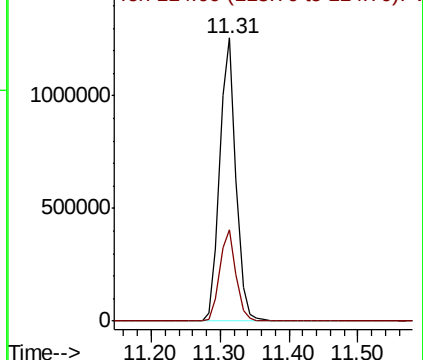
112 100

114 32.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.177 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

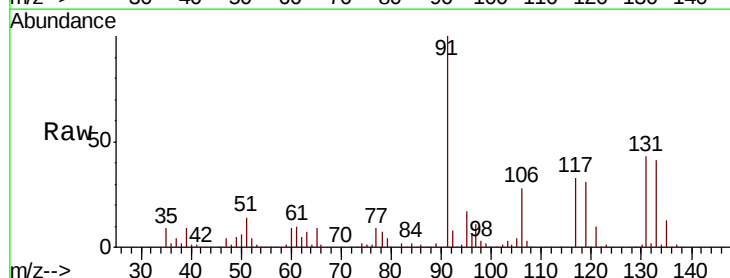
Tgt Ion:131 Resp: 674904

Ion Ratio Lower Upper

131 100

133 95.8 49.1 147.3

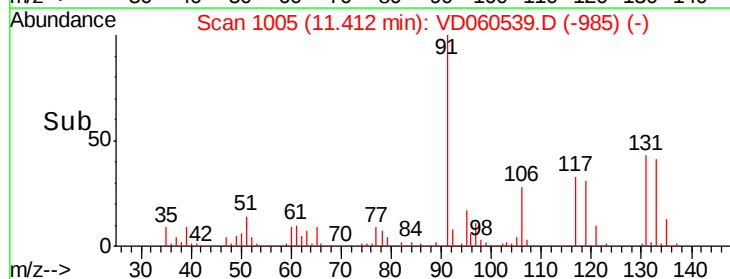
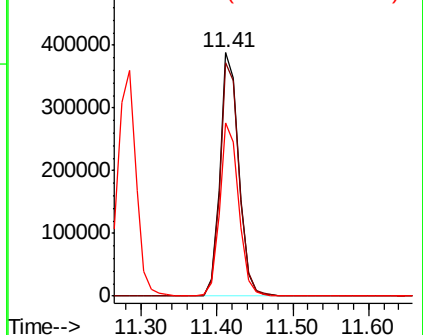
119 71.2 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

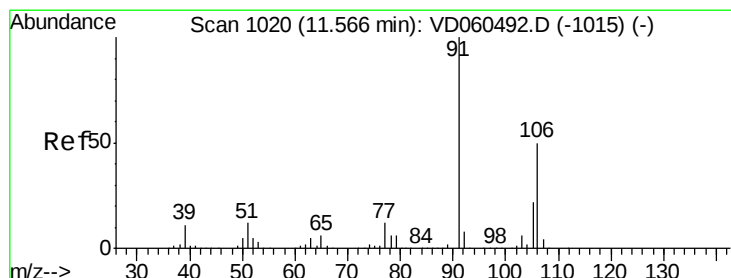
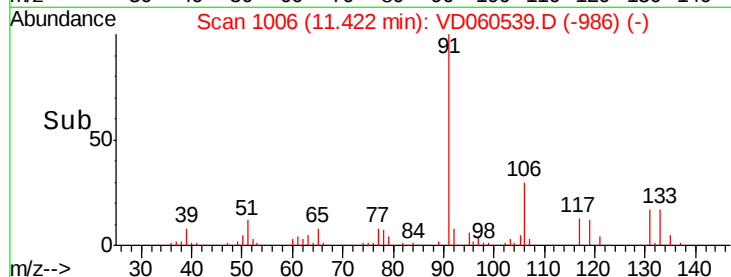
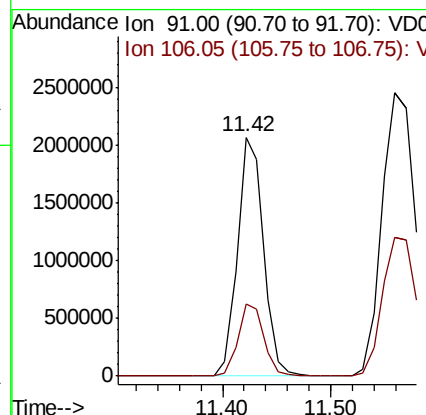
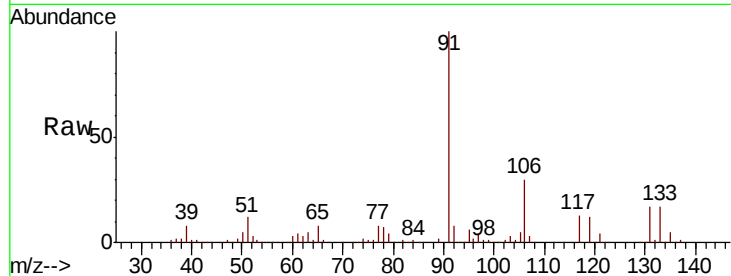




#67
Ethyl Benzene
Concen: 52.360 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

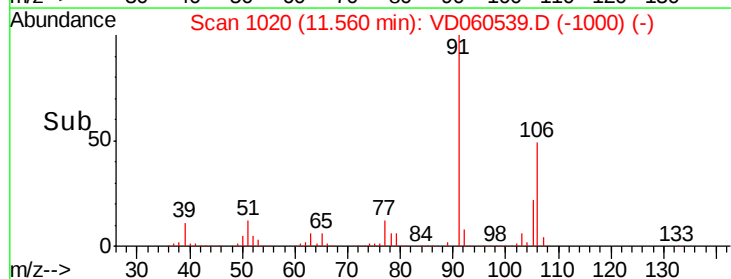
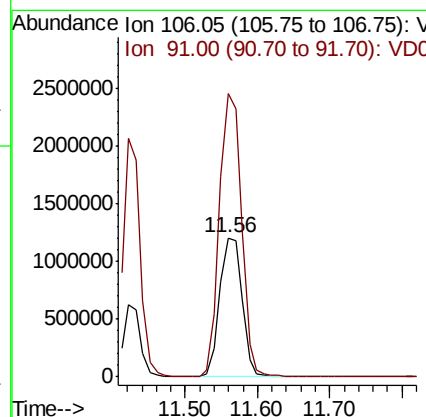
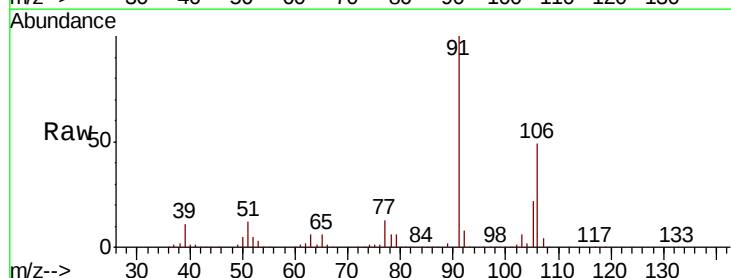
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

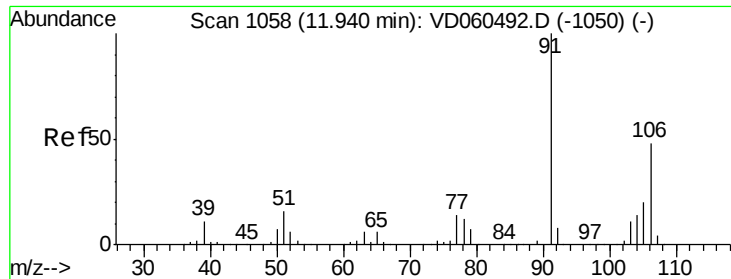
Tot Ion: 91 Resp: 3451875
Ion Ratio Lower Upper
91 100
106 30.0 24.6 37.0



#68
m/p-Xylenes
Concen: 104.886 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 106 Resp: 2558111
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7

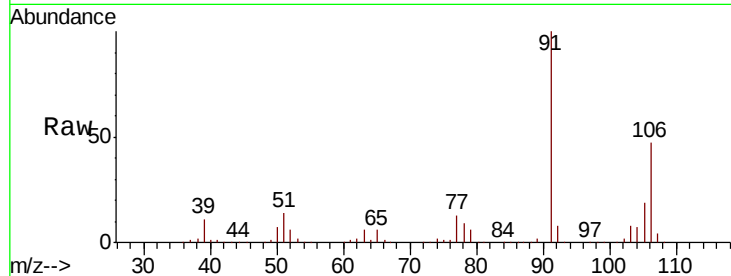




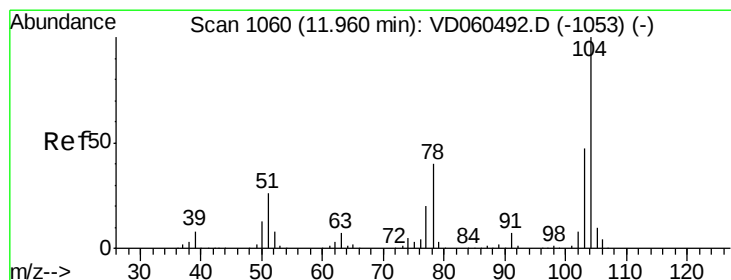
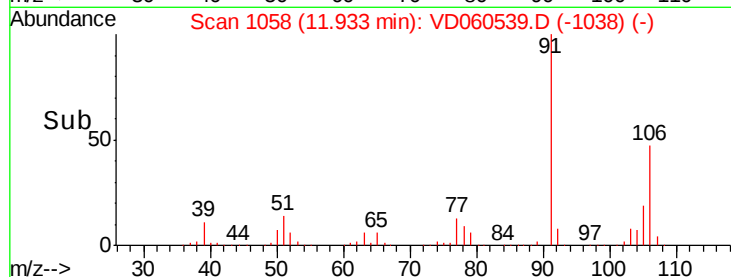
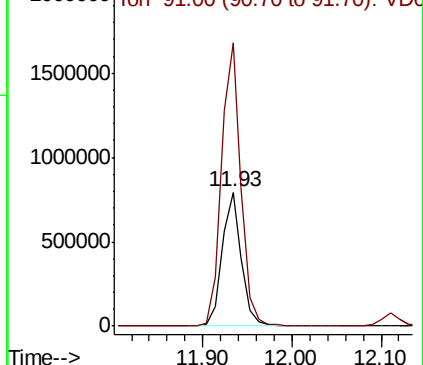
#69
o-Xylene
Concen: 51.346 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1193437
Ion Ratio Lower Upper
106 100
91 211.7 103.4 310.1

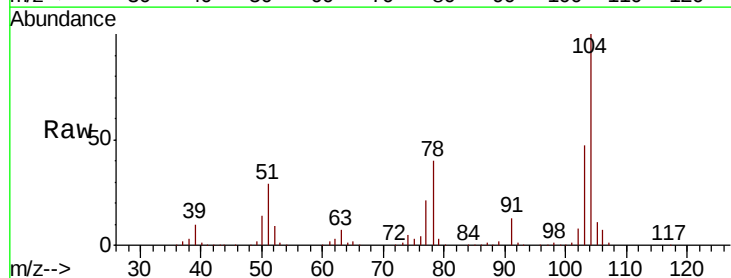


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

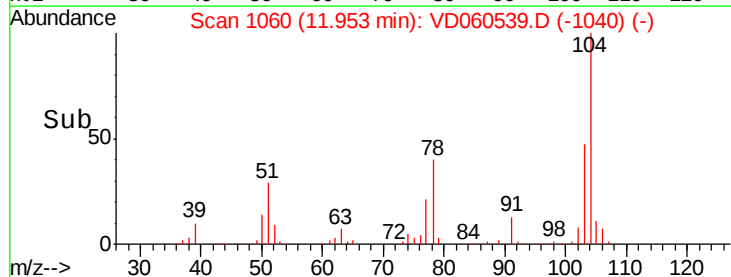
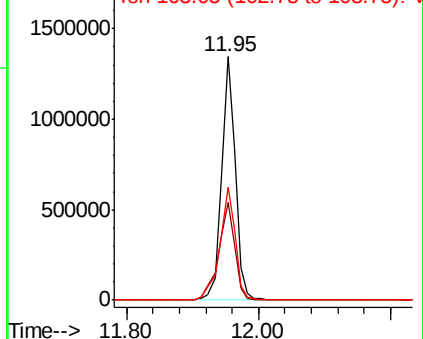


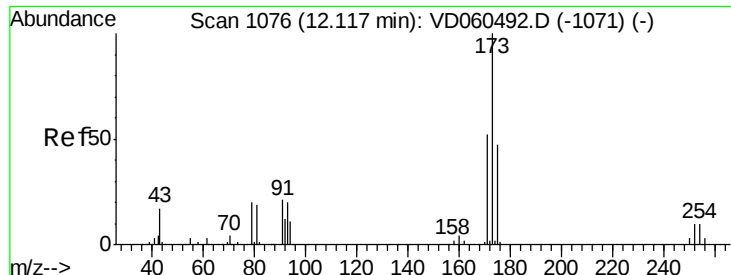
#70
Styrene
Concen: 52.343 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:104 Resp: 1952825
Ion Ratio Lower Upper
104 100
78 40.3 32.1 48.1
103 46.7 37.2 55.8



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





#71

Bromoform

Concen: 57.484 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

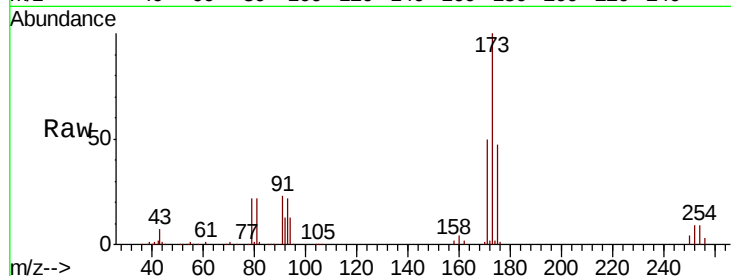
Tot Ion:173 Resp: 477757

Ion Ratio Lower Upper

173 100

175 47.0 23.5 70.6

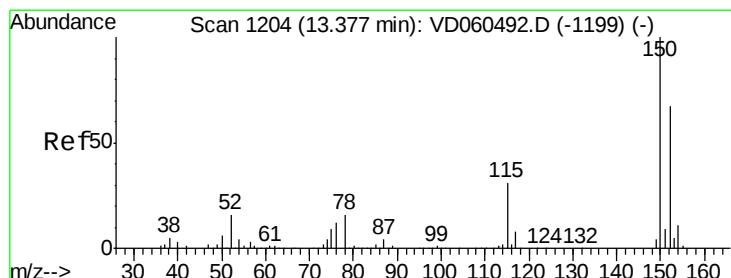
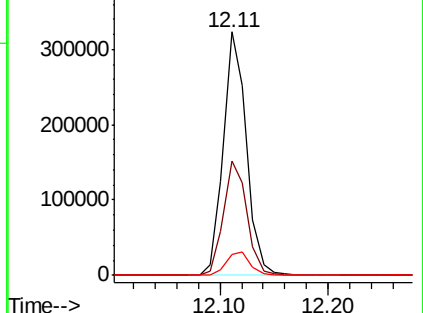
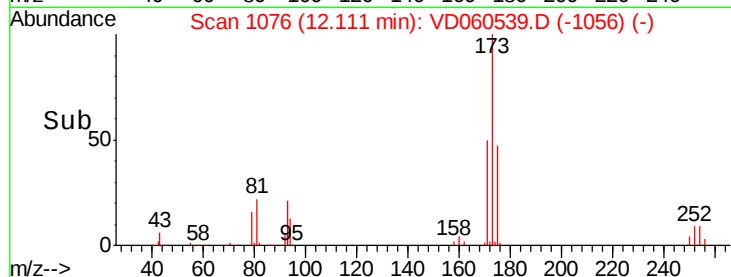
254 8.7 7.8 11.8



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# 1204

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

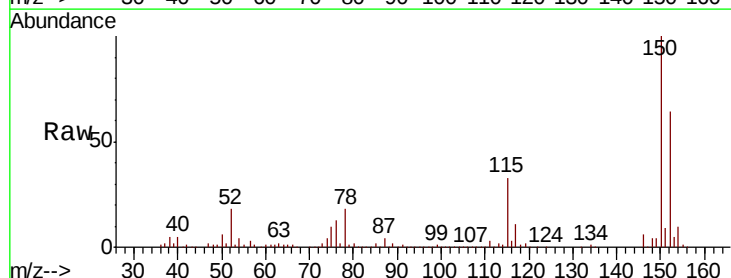
Tgt Ion:152 Resp: 929381

Ion Ratio Lower Upper

152 100

115 50.9 24.6 74.0

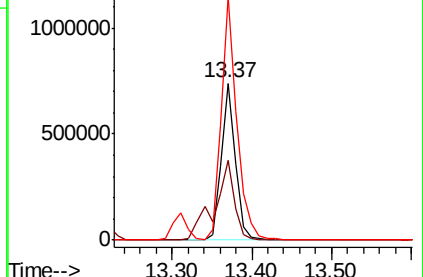
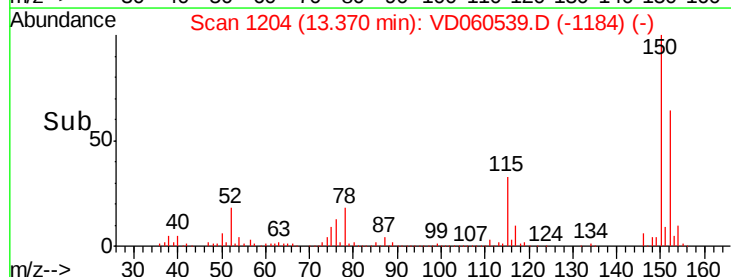
150 155.1 0.0 309.0

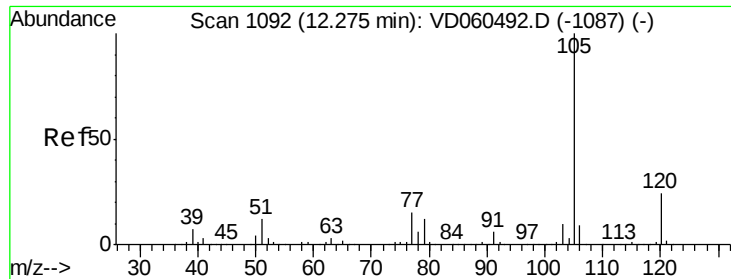


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.566 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

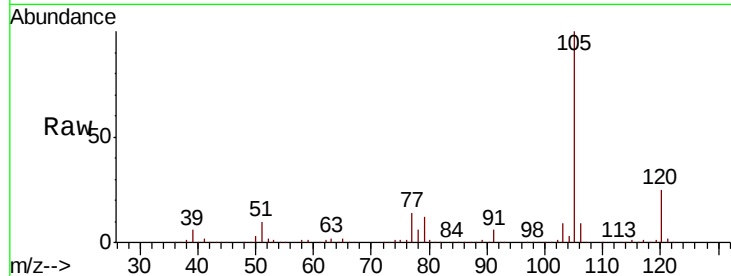
VSTDCCC050

Tot Ion:105 Resp: 3391322

Ion Ratio Lower Upper

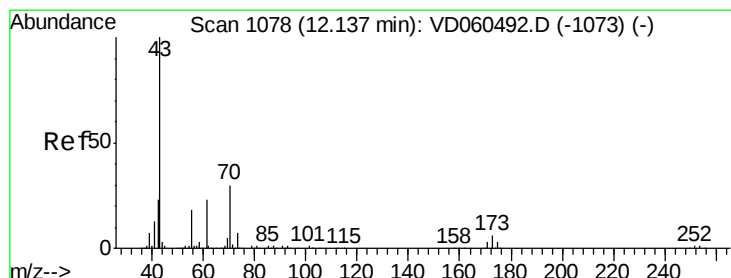
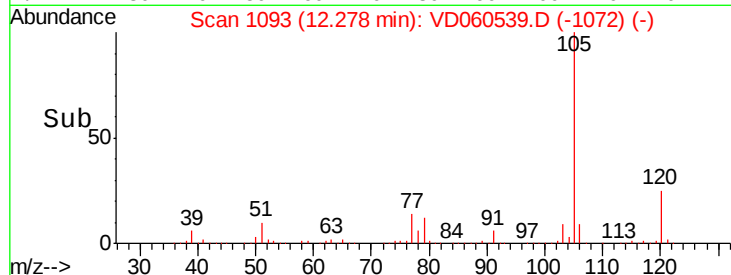
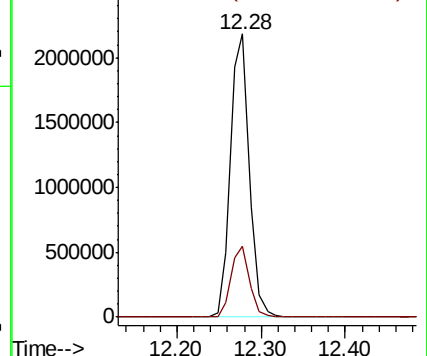
105 100

120 25.0 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.651 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion: 43 Resp: 916337

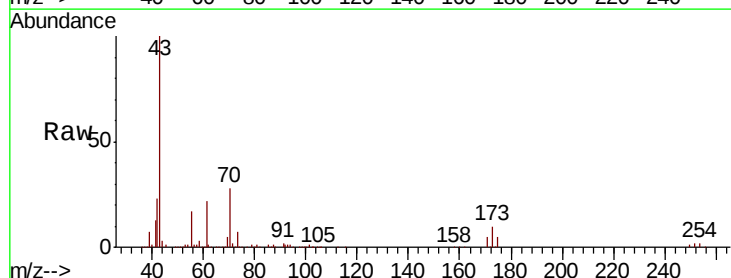
Ion Ratio Lower Upper

43 100

70 27.6 23.8 35.8

55 16.5 14.2 21.2

61 22.4 18.1 27.1

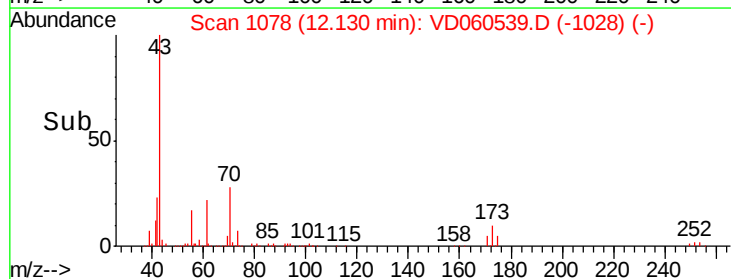
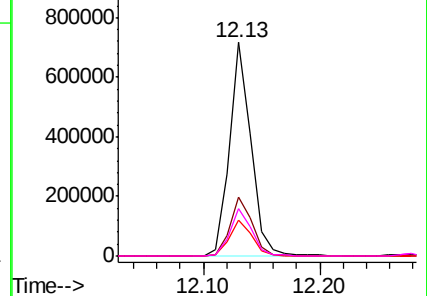


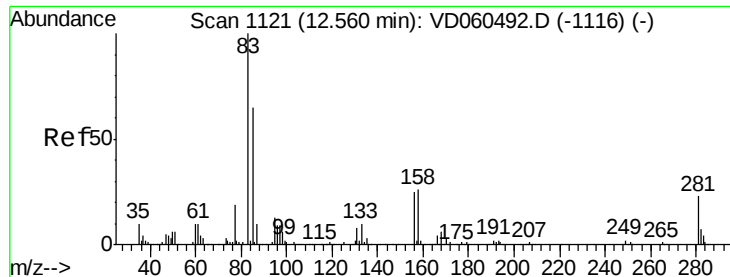
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.055 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

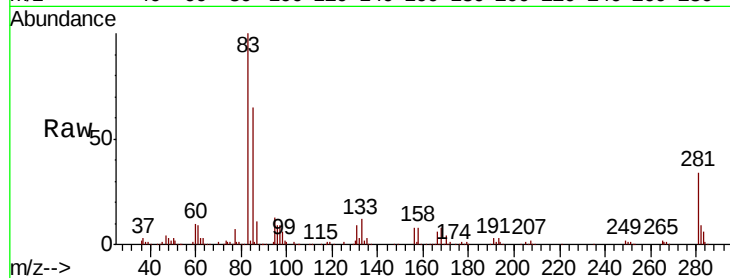
Tot Ion: 83 Resp: 579657

Ion Ratio Lower Upper

83 100

131 9.4 3.8 11.4

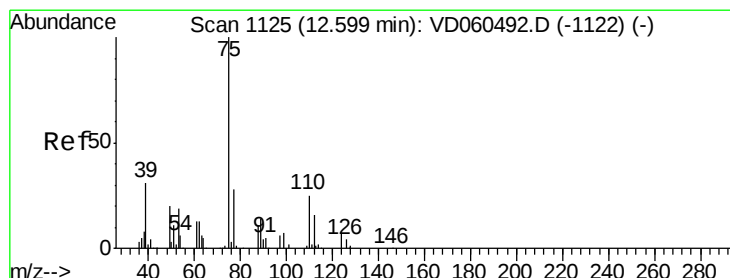
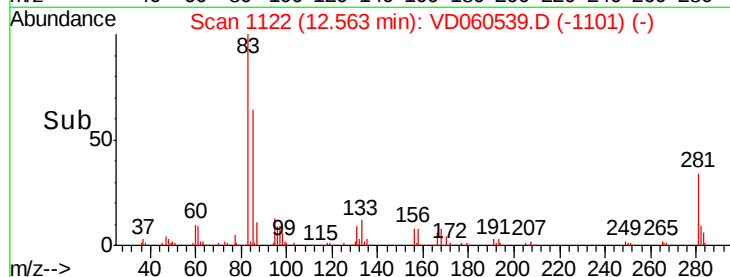
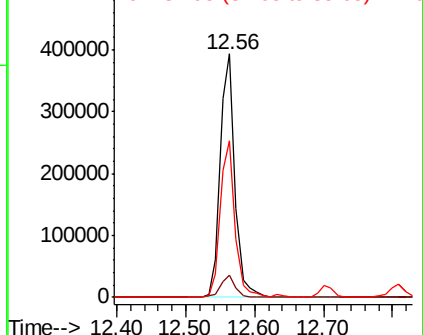
85 64.5 32.3 96.9



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: 55.984 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060539.D

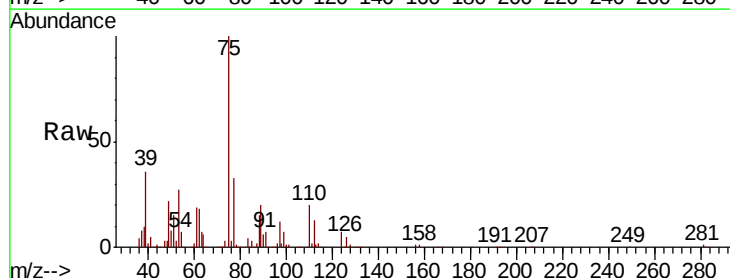
Acq: 12 Dec 2018 11:10

Tgt Ion: 75 Resp: 589542

Ion Ratio Lower Upper

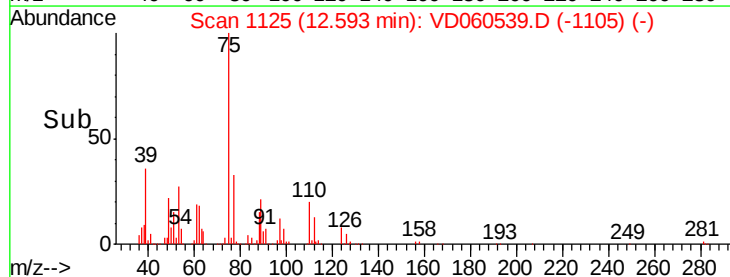
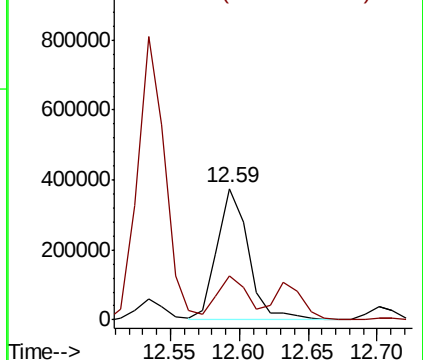
75 100

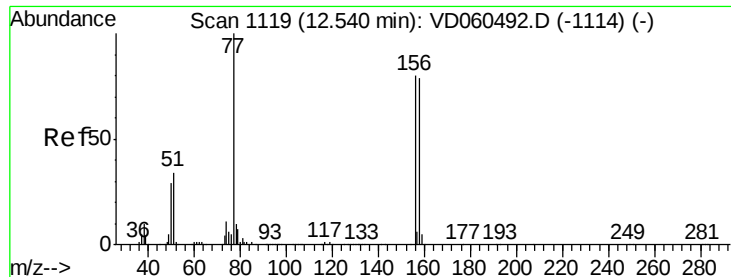
77 33.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.599 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

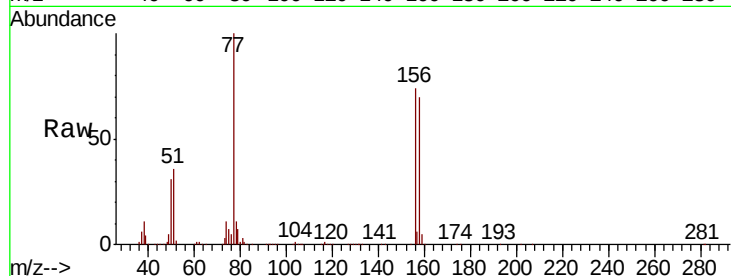
Tot Ion:156 Resp: 909287

Ion Ratio Lower Upper

156 100

77 136.0 62.5 187.6

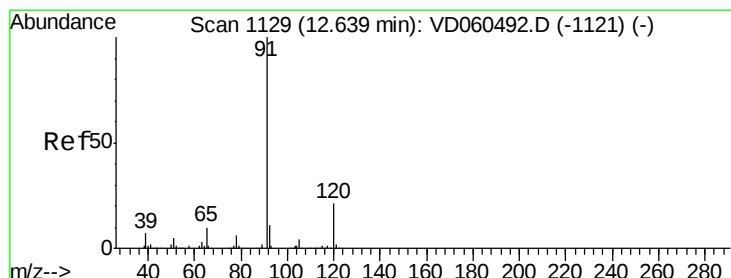
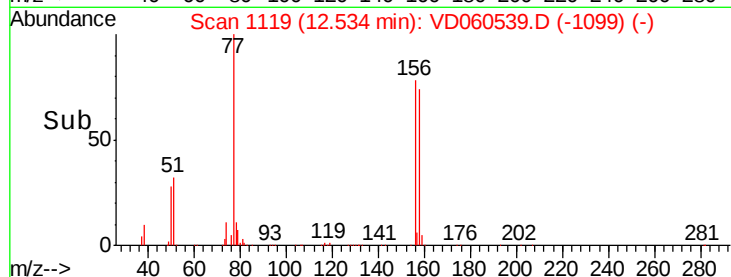
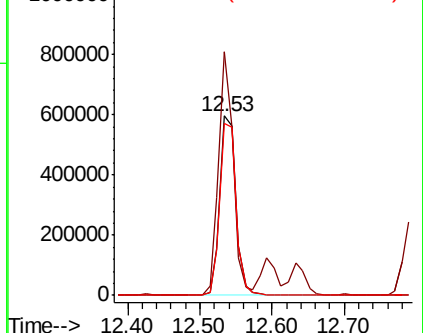
158 95.8 49.4 148.2



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: 51.411 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060539.D

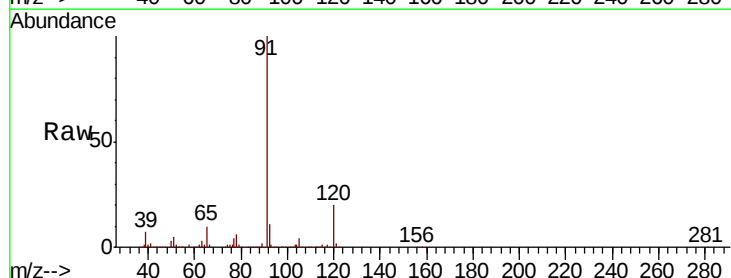
Acq: 12 Dec 2018 11:10

Tgt Ion: 91 Resp: 4274020

Ion Ratio Lower Upper

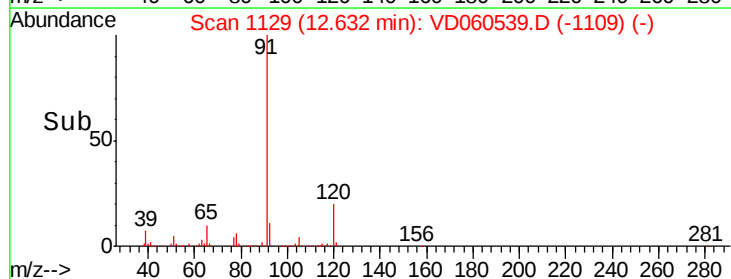
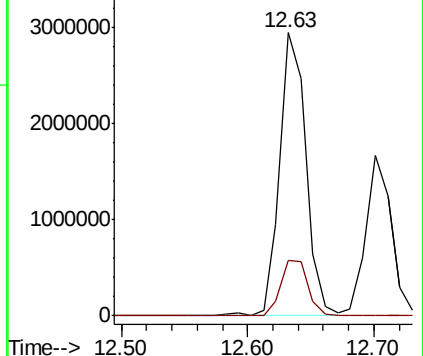
91 100

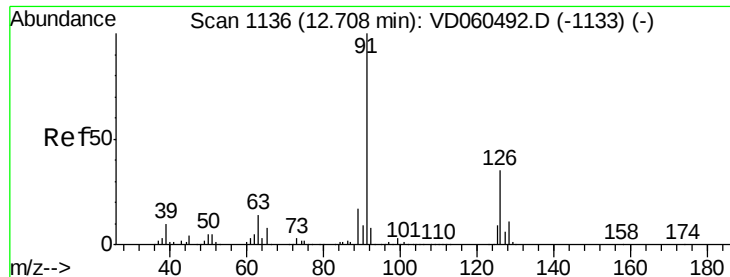
120 19.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.639 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

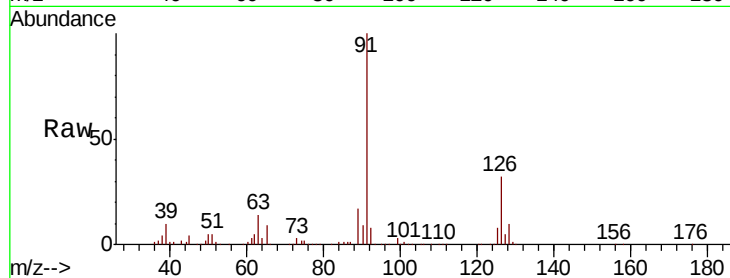
VSTDCCC050

Tot Ion: 91 Resp: 2329539

Ion Ratio Lower Upper

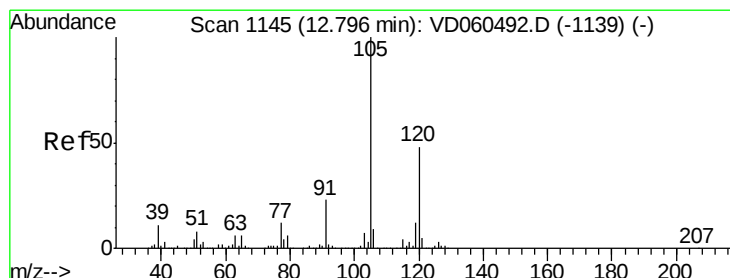
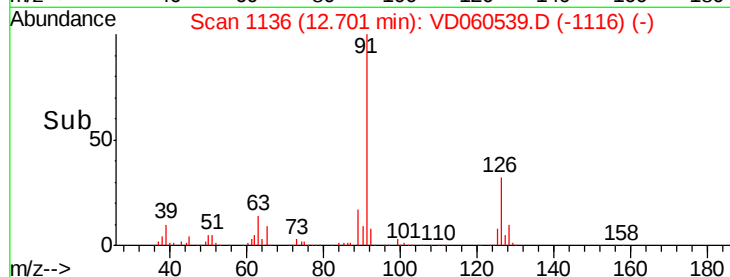
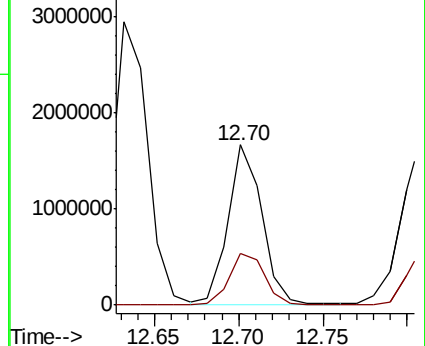
91 100

126 32.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.770 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060539.D

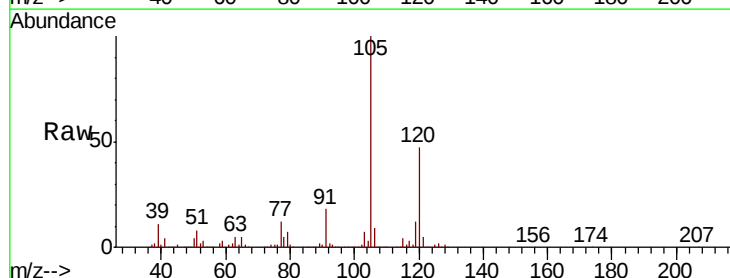
Acq: 12 Dec 2018 11:10

Tgt Ion:105 Resp: 2601634

Ion Ratio Lower Upper

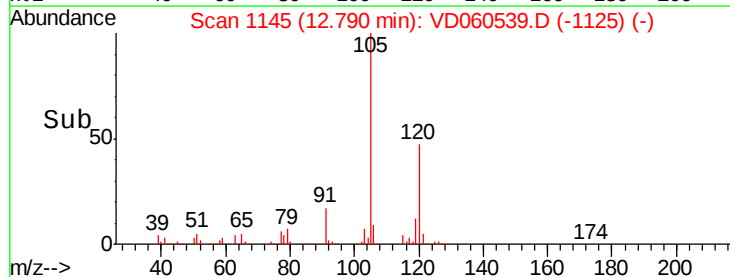
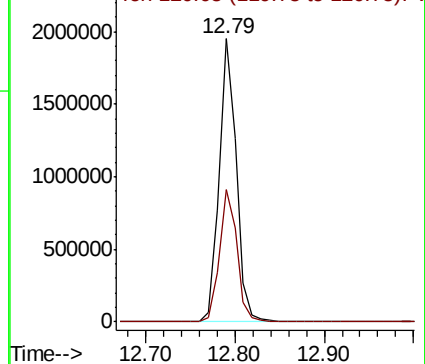
105 100

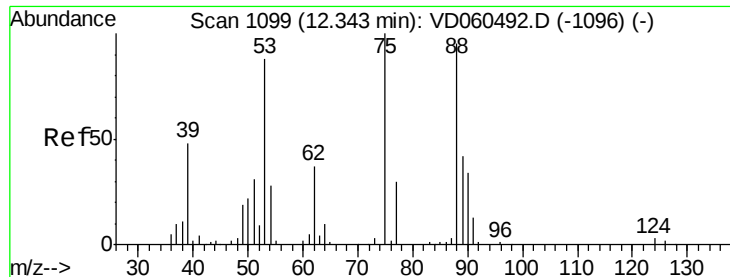
120 46.5 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.471 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

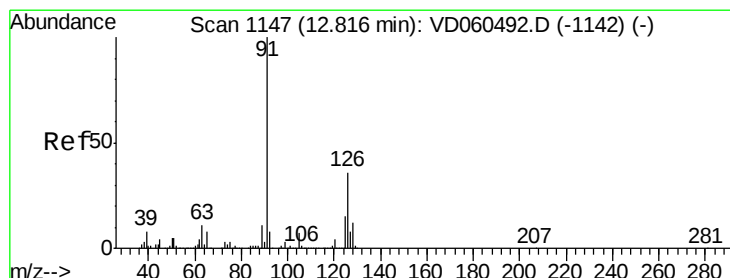
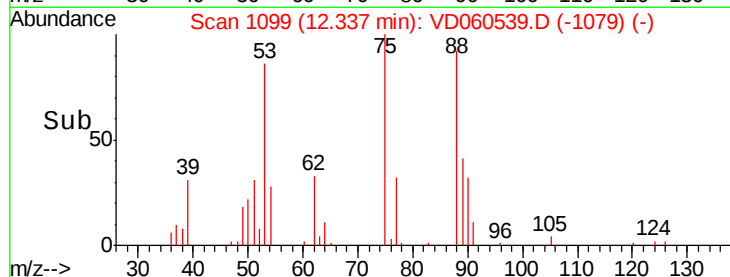
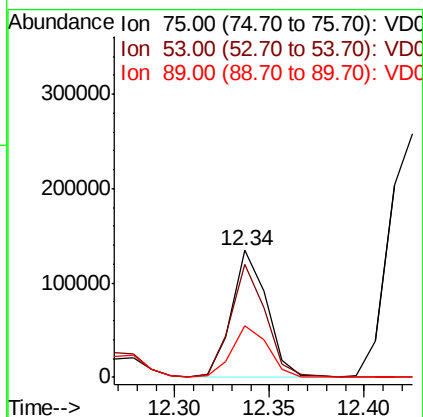
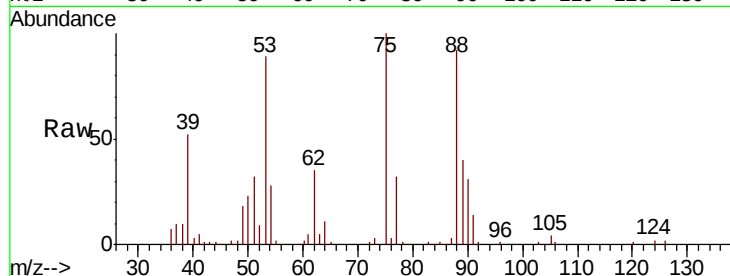
Tot Ion: 75 Resp: 171728

Ion Ratio Lower Upper

75 100

53 88.9 70.5 105.7

89 40.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 51.168 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060539.D

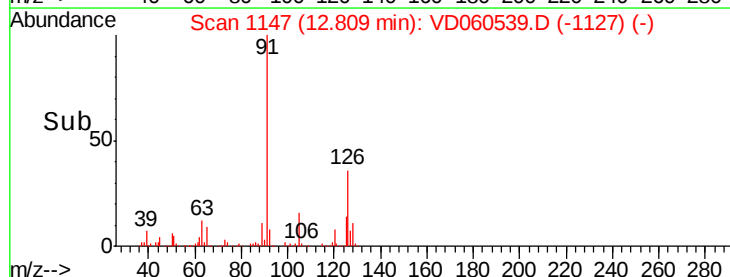
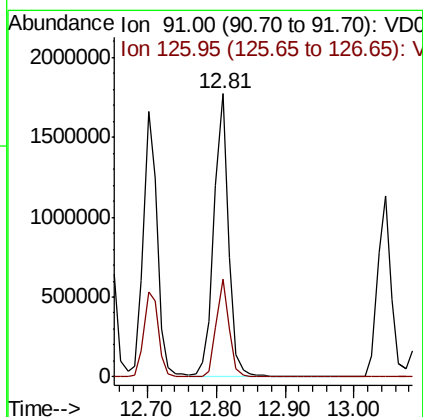
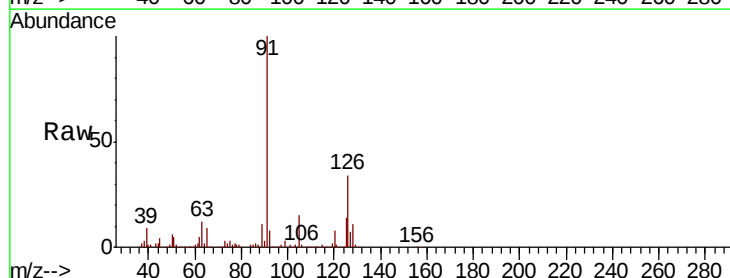
Acq: 12 Dec 2018 11:10

Tgt Ion: 91 Resp: 2592568

Ion Ratio Lower Upper

91 100

126 34.5 17.8 53.4

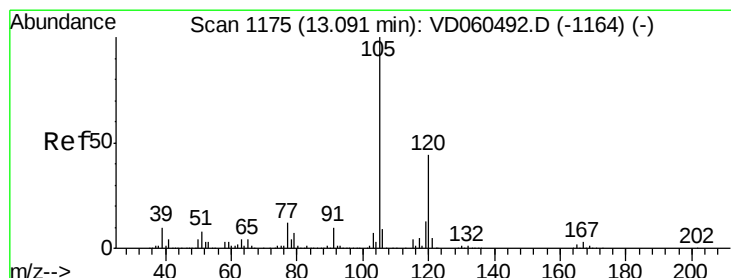
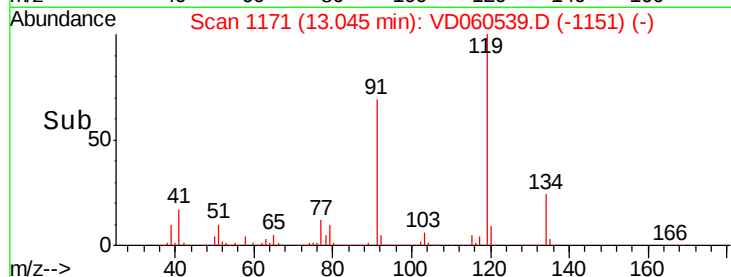
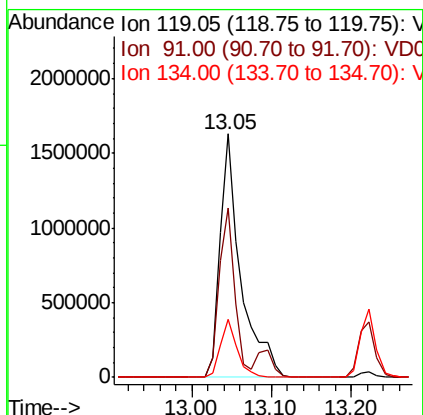
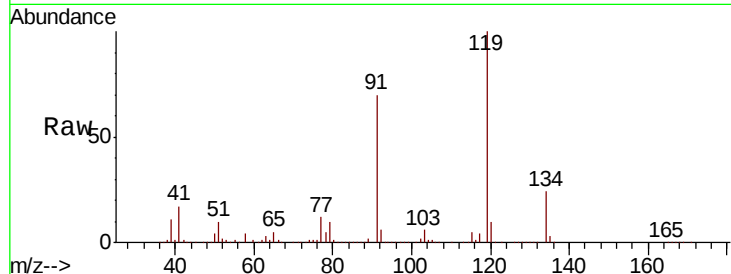




#83
 tert-Butylbenzene
 Concen: 53.139 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

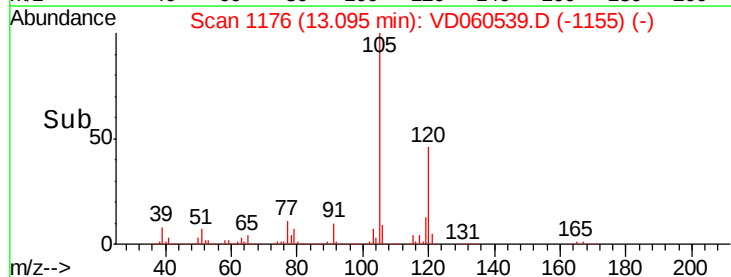
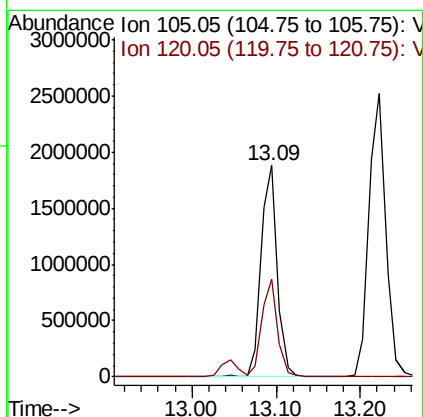
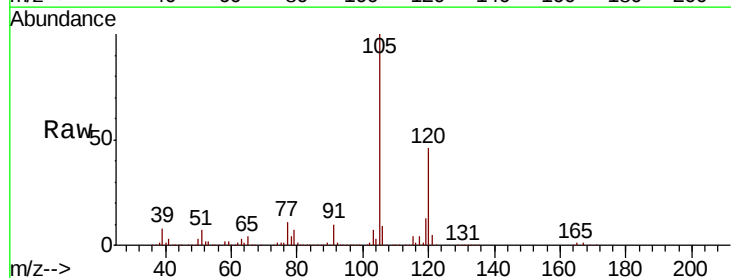
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

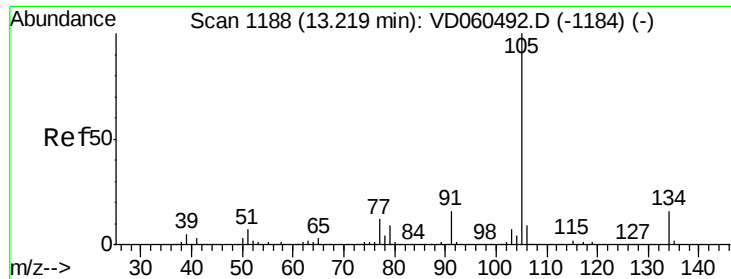
Tot Ion:119 Resp: 2994136
 Ion Ratio Lower Upper
 119 100
 91 69.7 33.1 99.2
 134 24.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.769 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion:105 Resp: 2589721
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.864 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

MSVOA_D

ClientSampleId :

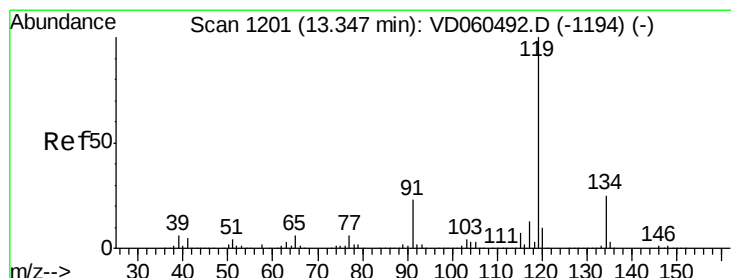
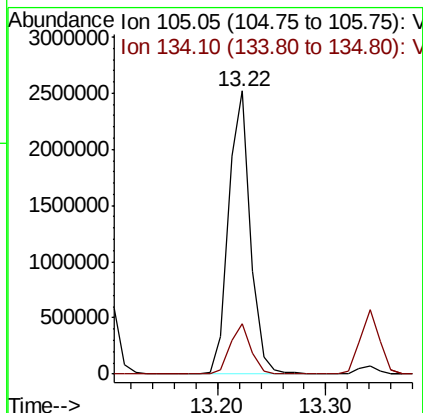
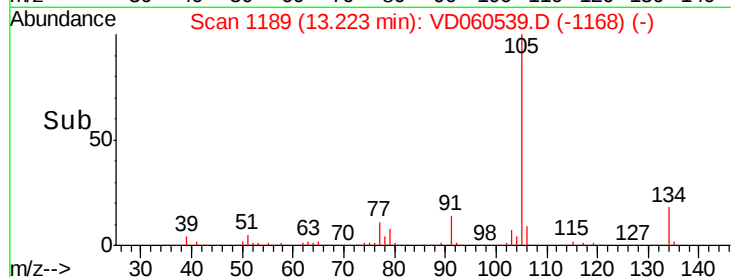
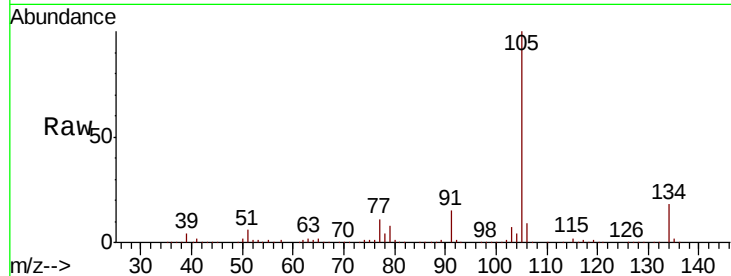
VSTDCCC050

Tot Ion:105 Resp: 3501812

Ion Ratio Lower Upper

105 100

134 18.0 7.9 23.7



#86

p-Isopropyltoluene

Concen: 50.806 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

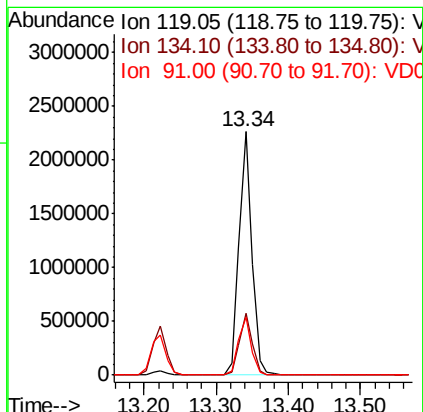
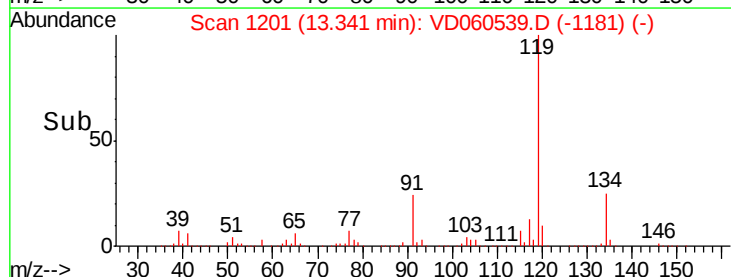
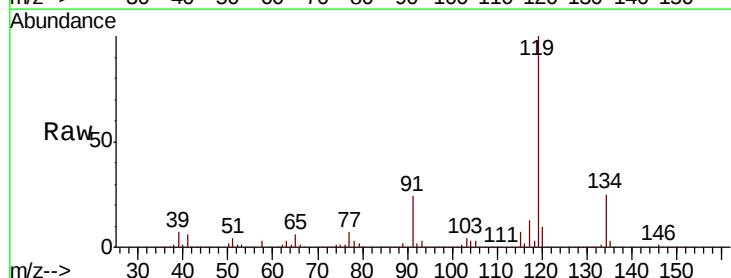
Tgt Ion:119 Resp: 2828356

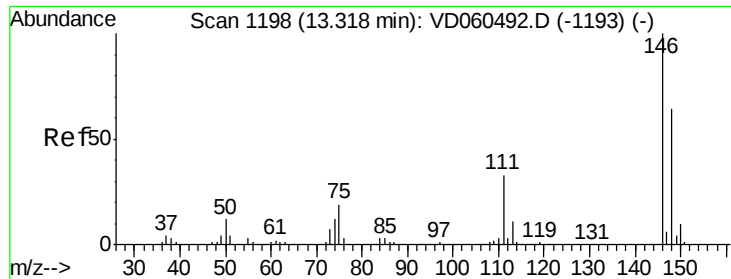
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 23.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 50.321 ug/l

RT: 13.31 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Instrument :

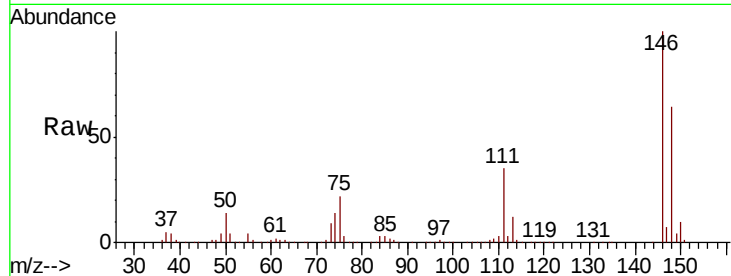
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1575037

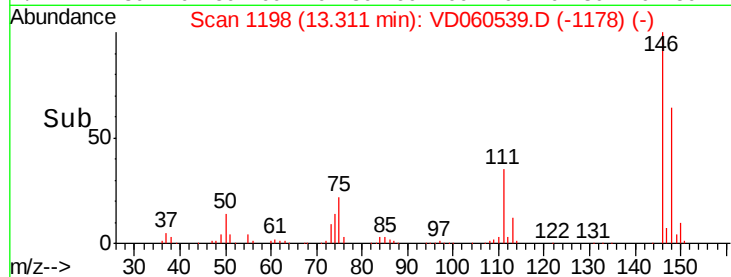
Ion	Ratio	Lower	Upper
146	100		
111	34.9	16.5	49.5
148	63.9	32.3	96.8



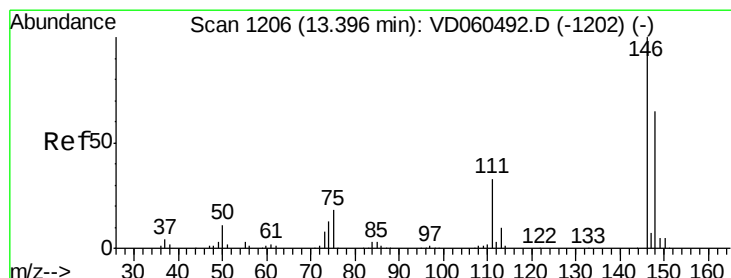
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#88

1,4-Dichlorobenzene

Concen: 51.742 ug/l

RT: 13.39 min Scan# 1206

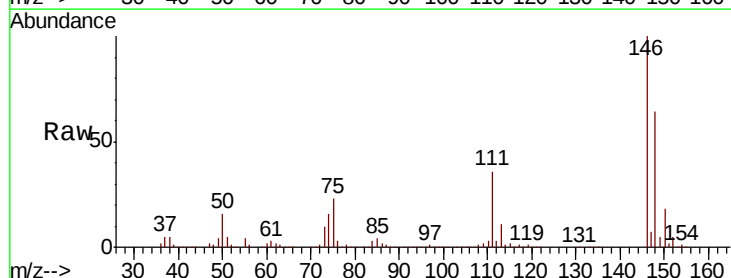
Delta R.T. -0.01 min

Lab File: VD060539.D

Acq: 12 Dec 2018 11:10

Tgt Ion:146 Resp: 1588762

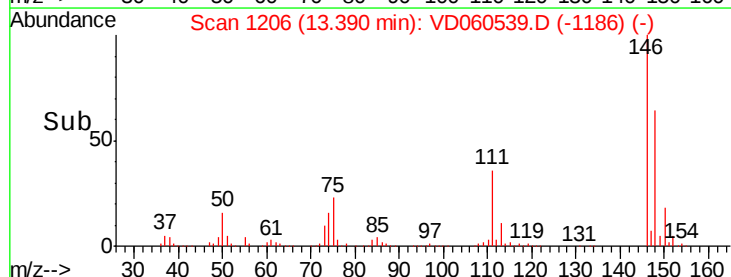
Ion	Ratio	Lower	Upper
146	100		
111	35.7	16.4	49.1
148	64.3	32.6	98.0



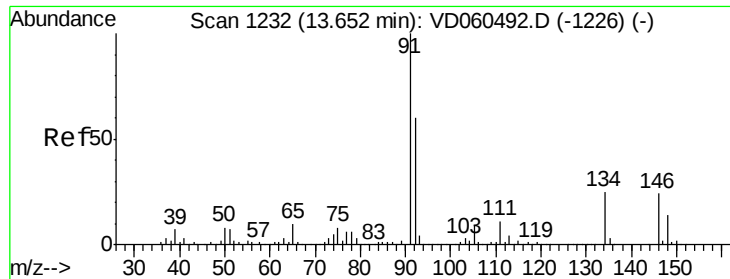
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



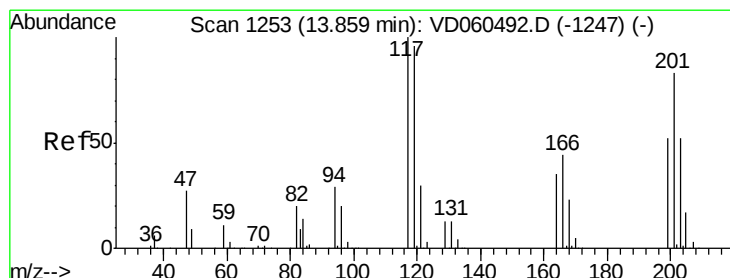
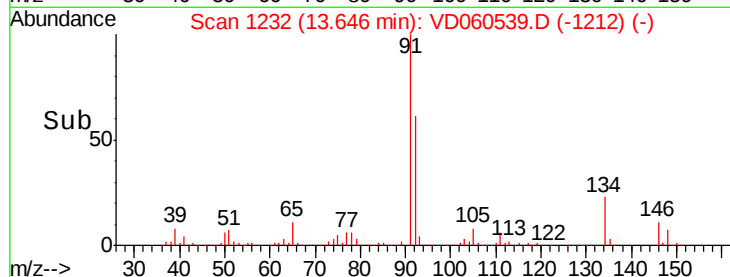
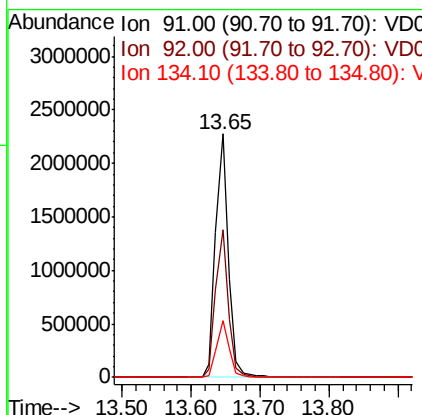
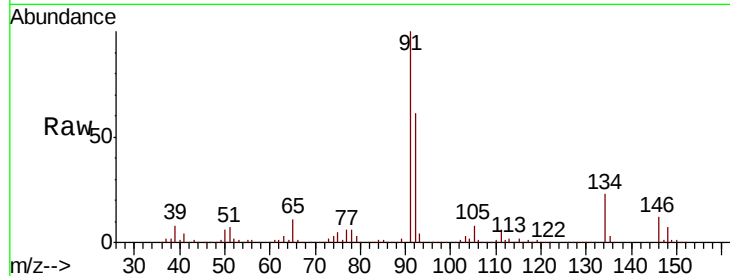
Time-->



#89
n-Butylbenzene
Concen: 53.830 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

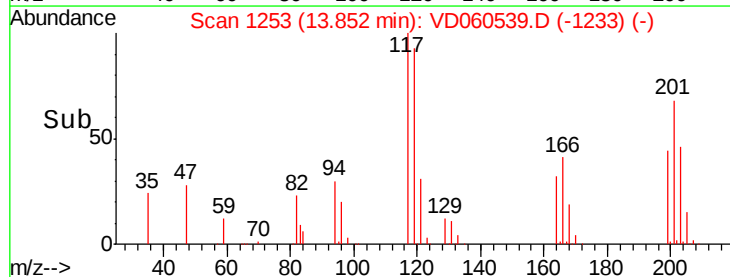
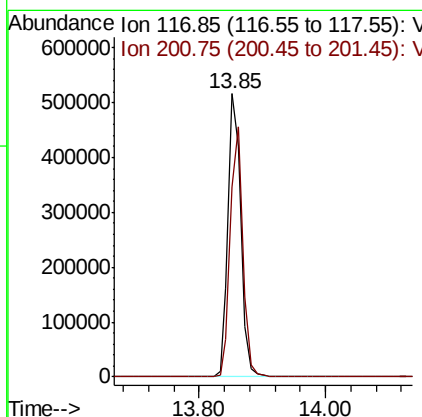
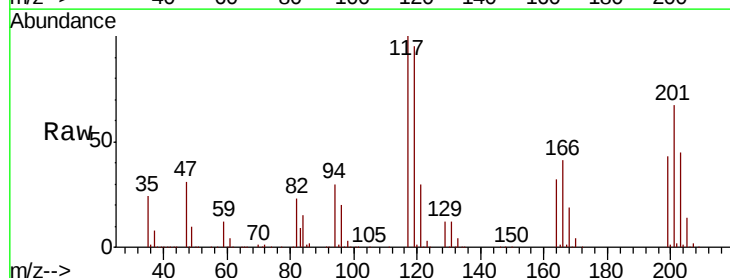
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

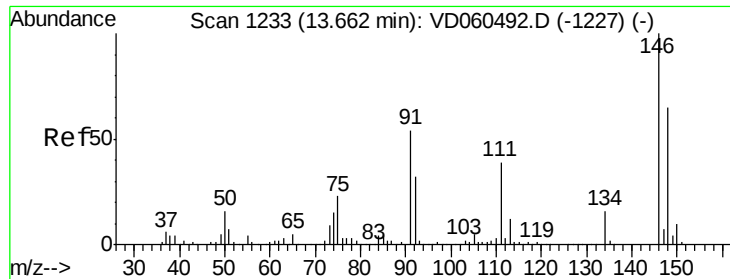
Tot Ion: 91 Resp: 2922740
Ion Ratio Lower Upper
91 100
92 60.7 30.0 90.1
134 23.4 12.5 37.5



#90
Hexachloroethane
Concen: 52.426 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion: 117 Resp: 731763
Ion Ratio Lower Upper
117 100
201 67.3 41.3 123.9

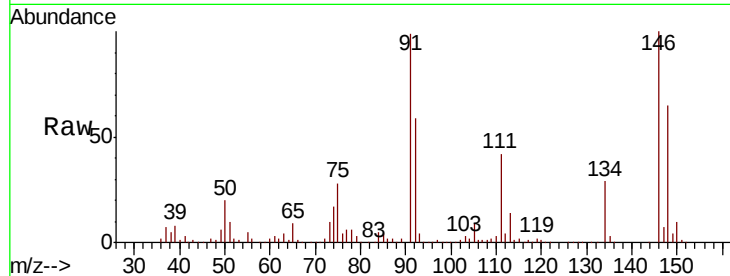




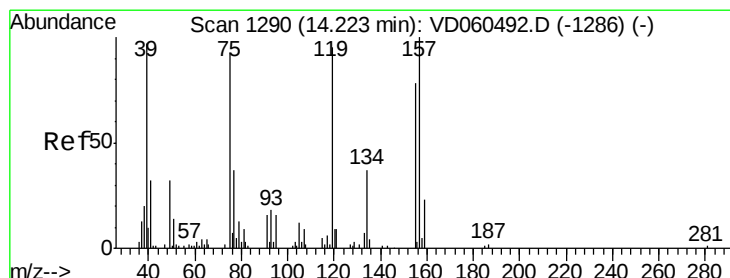
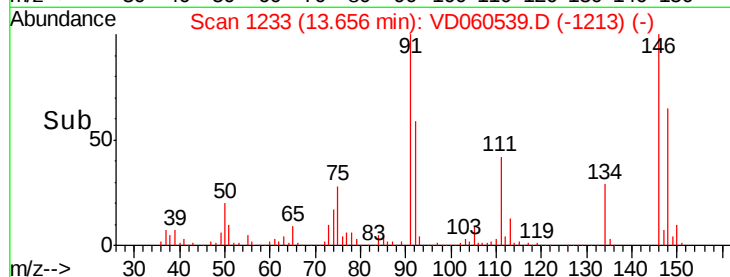
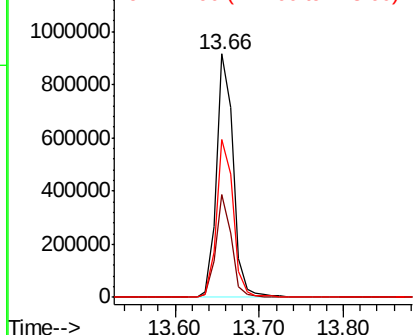
#91
 1,2-Dichlorobenzene
 Concen: 49.177 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1257888
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.3 57.8
 148 64.9 32.3 96.8

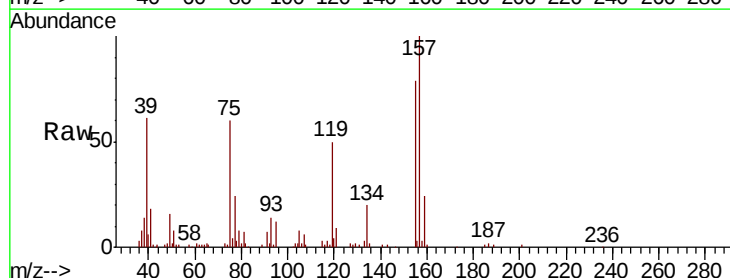


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

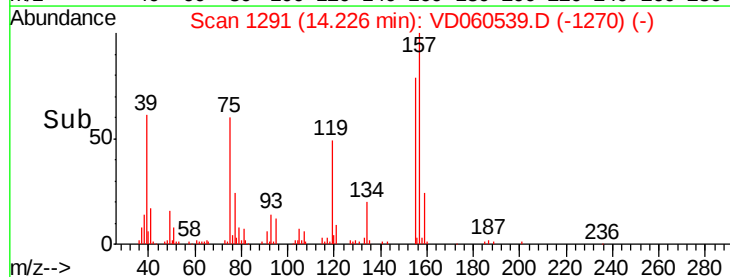
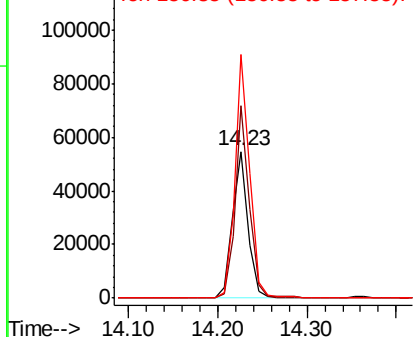


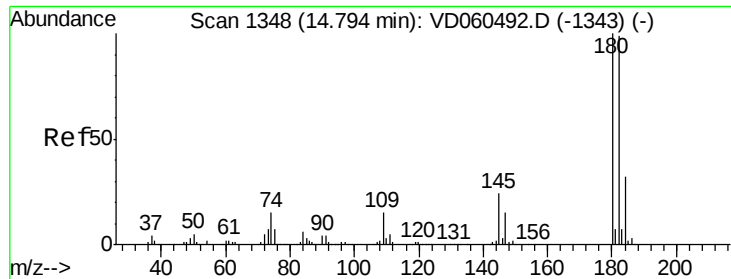
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.409 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion: 75 Resp: 69412
 Ion Ratio Lower Upper
 75 100
 155 130.5 41.6 124.9#
 157 165.7 53.6 160.8#



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

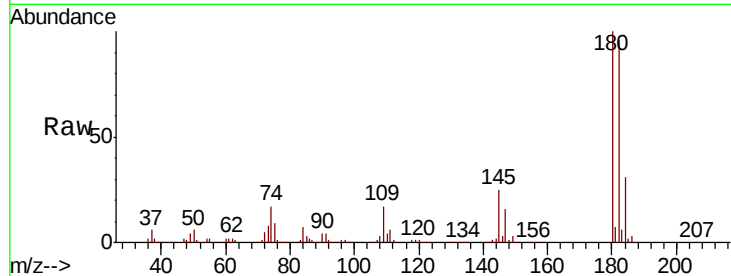




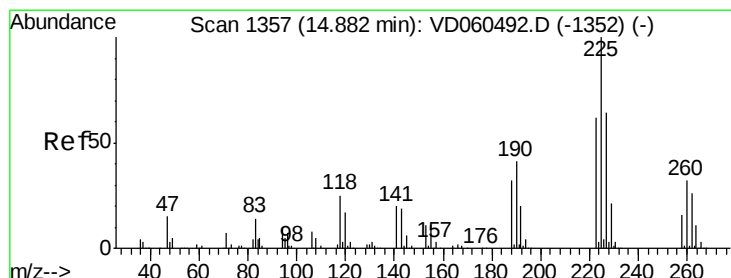
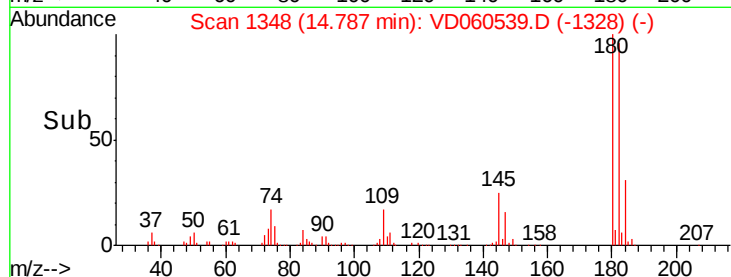
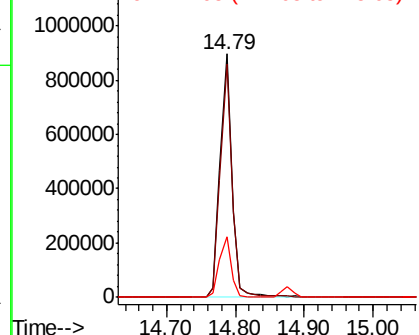
#93
 1,2,4-Trichlorobenzene
 Concen: 53.933 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1078443
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.4 148.0
 145 24.7 11.9 35.9

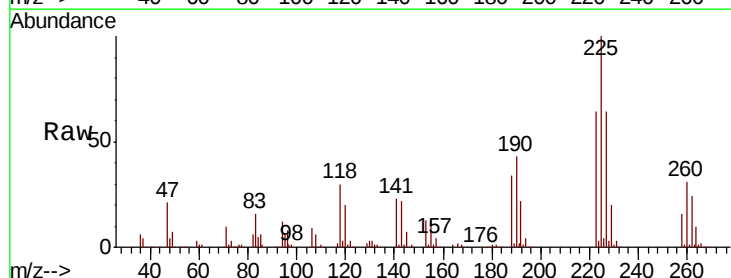


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

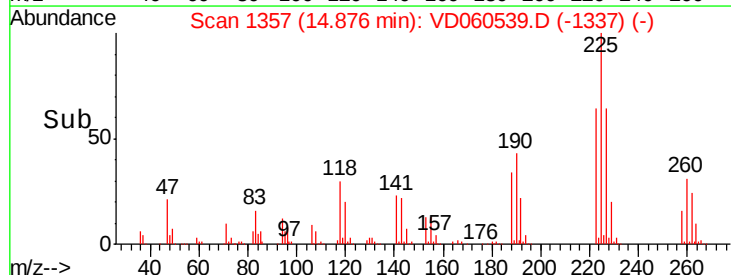
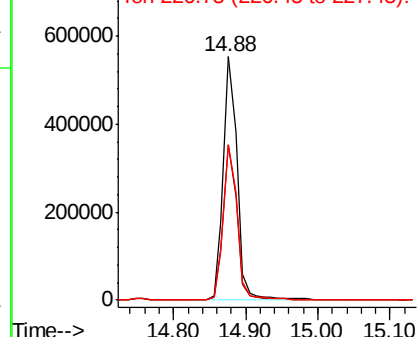


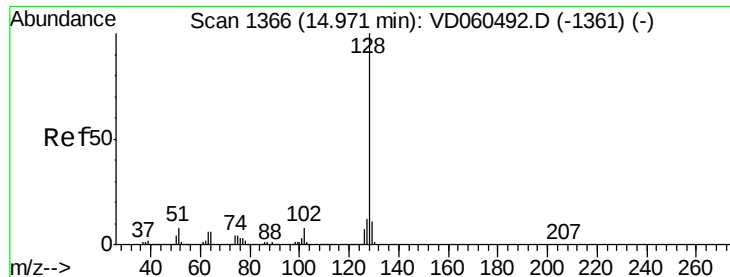
#94
 Hexachlorobutadiene
 Concen: 49.825 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060539.D
 Acq: 12 Dec 2018 11:10

Tgt Ion:225 Resp: 735072
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.2 93.6
 227 64.0 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

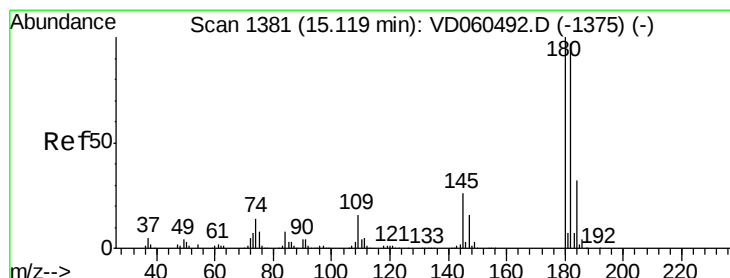
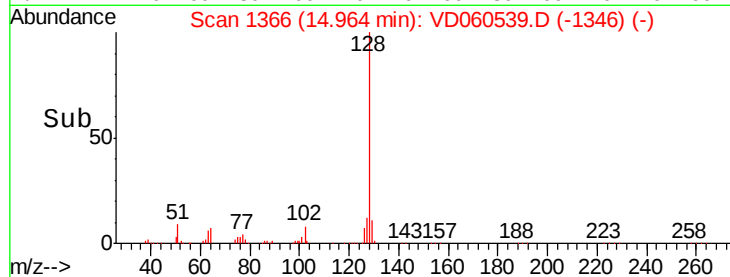
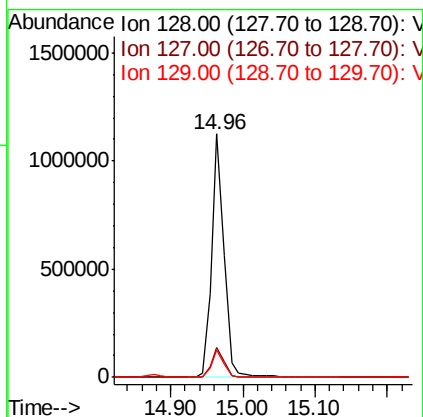
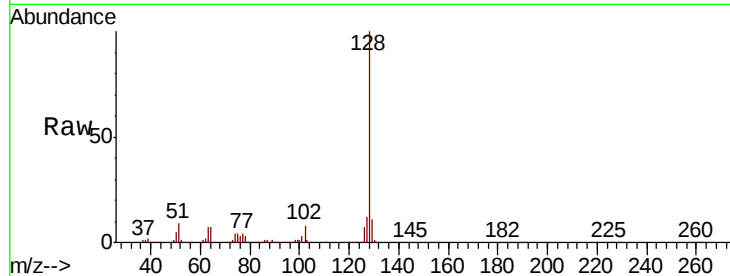




#95
Naphthalene
Concen: 55.909 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1329966
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.686 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060539.D
Acq: 12 Dec 2018 11:10

Tgt Ion:180 Resp: 839426
Ion Ratio Lower Upper
180 100
182 97.1 48.5 145.5
145 27.3 12.9 38.7

