

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060108.D
 Acq On : 2 Oct 2018 11:05
 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: Oct 03 01:06:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1767160	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2418056	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1913398	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	1019385	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	673092	50.25	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	6.31	113	923229	50.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	9.46	98	2662014	50.84	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.43	95	994160	50.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	838919	50.467	ug/l 97
3) Chloromethane	1.75	50	830877	55.431	ug/l 100
4) Vinyl Chloride	1.84	62	670089	54.626	ug/l 99
5) Bromomethane	2.13	94	107698	69.921	ug/l 97
6) Chloroethane	2.24	64	200349	59.850	ug/l 98
7) Trichlorofluoromethane	2.49	101	776789	52.885	ug/l 97
8) Diethyl Ether	2.81	74	170748	56.533	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	497411	54.359	ug/l 99
10) Methyl Iodide	3.23	142	538084	55.451	ug/l 98
11) Tert butyl alcohol	3.95	59	264055	274.859	ug/l 99
12) 1,1-Dichloroethene	3.05	96	402084	55.778	ug/l 94
13) Acrolein	2.97	56	139773	236.016	ug/l 99
14) Allyl chloride	3.52	41	824152	55.047	ug/l 98
15) Acrylonitrile	4.07	53	1029460	258.890	ug/l 99
16) Acetone	3.14	43	721729	296.931	ug/l 100
17) Carbon Disulfide	3.30	76	1373566	56.662	ug/l 100
18) Methyl Acetate	3.54	43	282456	54.066	ug/l 100
19) Methyl tert-butyl Ether	4.11	73	1676678	52.901	ug/l 99
20) Methylene Chloride	3.70	84	981795	51.440	ug/l 98
21) trans-1,2-Dichloroethene	4.08	96	946710	50.849	ug/l 99
22) Diisopropyl ether	4.84	45	3457723	51.713	ug/l 89
23) Vinyl Acetate	4.79	43	9782891	260.294	ug/l 100
24) 1,1-Dichloroethane	4.74	63	1581784	52.176	ug/l 100
25) 2-Butanone	5.61	43	1686882	277.799	ug/l 99
26) 2,2-Dichloropropane	5.57	77	1258494	54.759	ug/l 98
27) cis-1,2-Dichloroethene	5.58	96	1029613	52.197	ug/l 93
28) Bromochloromethane	5.92	49	724468	49.176	ug/l 91
29) Tetrahydrofuran	5.95	42	945748	268.137	ug/l 99
30) Chloroform	6.09	83	1576558	51.410	ug/l 99
31) Cyclohexane	6.36	56	1477547	50.914	ug/l 99
32) 1,1,1-Trichloroethane	6.28	97	1295999	51.584	ug/l 99
36) 1,1-Dichloropropene	6.52	75	1183668	51.226	ug/l 100
37) Ethyl Acetate	5.69	43	871866	56.846	ug/l 100
38) Carbon Tetrachloride	6.49	117	1096962	52.306	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1385384	52.769	ug/l	98
40) Benzene	6.78	78	3120054	51.613	ug/l	100
41) Methacrylonitrile	5.94	41	939514	108.377	ug/l #	94
42) 1,2-Dichloroethane	6.89	62	907936	52.388	ug/l	99
43) Isopropyl Acetate	8.35	43	1129483	55.976	ug/l	99
44) Trichloroethene	7.74	130	971243	51.902	ug/l	98
45) 1,2-Dichloropropane	8.10	63	803036	50.733	ug/l	99
46) Dibromomethane	8.21	93	534801	52.187	ug/l	92
47) Bromodichloromethane	8.50	83	1176234	53.869	ug/l	99
48) Methyl methacrylate	8.25	41	613146	53.347	ug/l	100
49) 1,4-Dioxane	8.23	88	121587	1075.152	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	3403156	267.401	ug/l	100
52) Toluene	9.55	92	1984685	50.978	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	1088475	55.093	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1312013	53.777	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	673686	52.931	ug/l	99
56) Ethyl methacrylate	10.04	69	765455	54.483	ug/l	98
57) 1,3-Dichloropropane	10.39	76	1004847	51.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1848345	236.915	ug/l	100
59) 2-Hexanone	10.49	43	2508798	274.138	ug/l	99
60) Dibromochloromethane	10.65	129	861746	55.184	ug/l	98
61) 1,2-Dibromoethane	10.77	107	716894	53.012	ug/l	100
64) Tetrachloroethene	10.26	164	893742	53.330	ug/l	99
65) Chlorobenzene	11.32	112	2139635	51.690	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	735740	53.280	ug/l	99
67) Ethyl Benzene	11.44	91	3524074	52.547	ug/l	98
68) m/p-Xylenes	11.58	106	2652539	105.855	ug/l	99
69) o-Xylene	11.94	106	1295088	52.251	ug/l	92
70) Styrene	11.97	104	2143750	51.720	ug/l	99
71) Bromoform	12.13	173	638540	57.105	ug/l	99
73) Isopropylbenzene	12.28	105	3598803	53.513	ug/l	99
74) N-amyl acetate	12.15	43	1351314	54.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	788473	53.704	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	804603	54.808	ug/l	99
77) Bromobenzene	12.55	156	1012199	51.795	ug/l	90
78) n-propylbenzene	12.65	91	4360068	52.213	ug/l	97
79) 2-Chlorotoluene	12.72	91	2414356	52.094	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	2756235	52.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	241020	58.429	ug/l	93
82) 4-Chlorotoluene	12.83	91	2708234	51.664	ug/l	96
83) tert-Butylbenzene	13.06	119	3098212	51.872	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	2844471	51.853	ug/l	95
85) sec-Butylbenzene	13.23	105	3711356	52.553	ug/l	97
86) p-Isopropyltoluene	13.36	119	2917648	50.370	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1756105	51.577	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	1738560	50.835	ug/l	98
89) n-Butylbenzene	13.66	91	2925868	51.767	ug/l	97
90) Hexachloroethane	13.87	117	763353	56.943	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	1443344	50.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	109600	55.909	ug/l	78

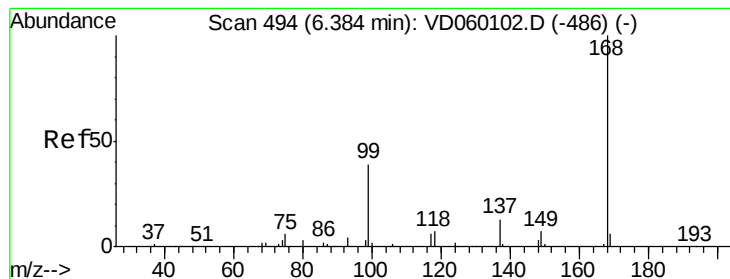
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1287794	52.996	ug/l	97
94) Hexachlorobutadiene	14.89	225	836052	51.760	ug/l	100
95) Naphthalene	14.98	128	1924672	53.434	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	1087167	51.430	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

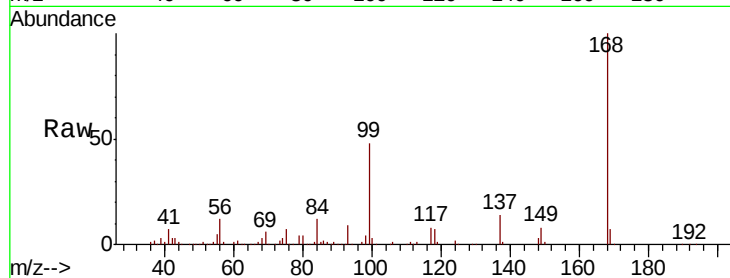
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 1767160

Ion Ratio Lower Upper

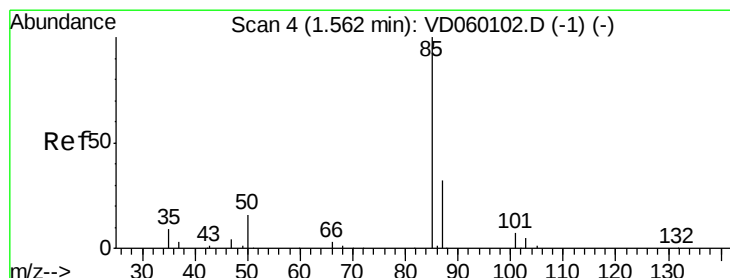
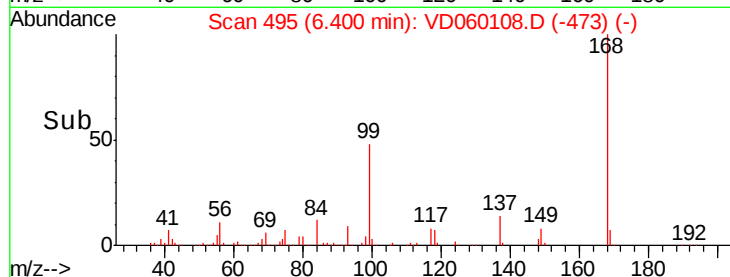
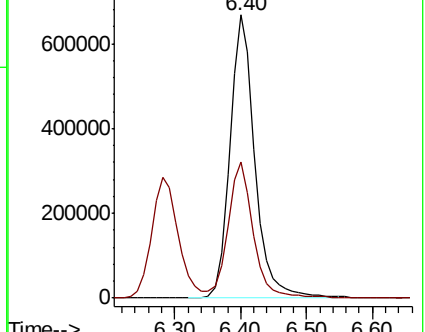
168 100

99 48.0 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.467 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.02 min

Lab File: VD060108.D

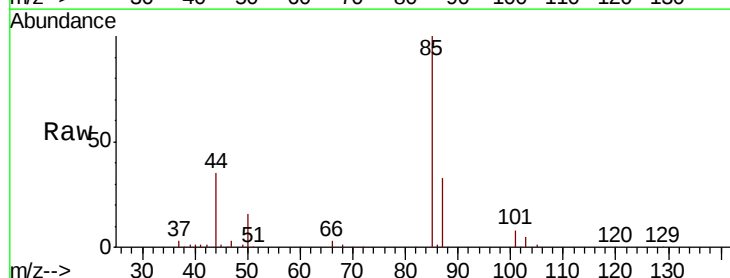
Acq: 2 Oct 2018 11:05

Tgt Ion: 85 Resp: 838919

Ion Ratio Lower Upper

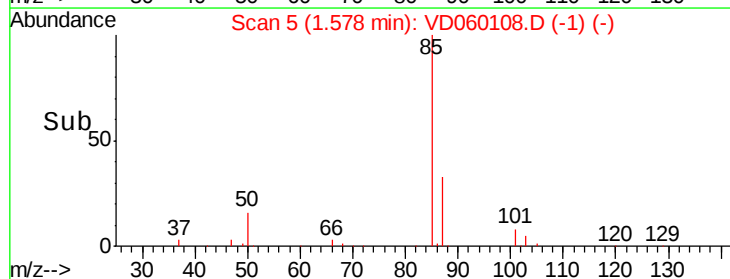
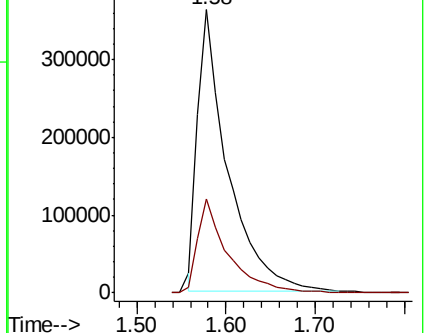
85 100

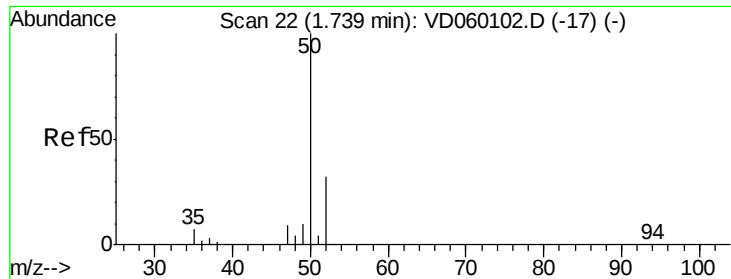
87 33.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.431 ug/l

RT: 1.75 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

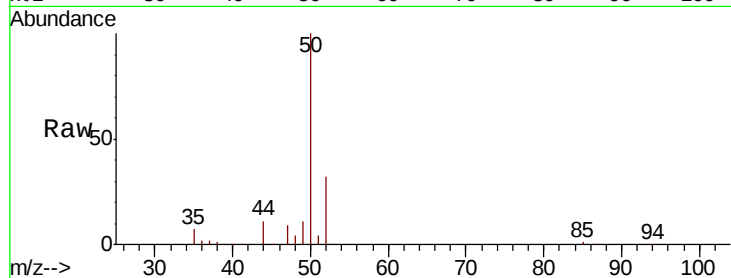
VSTDCCC050

Tot Ion: 50 Resp: 830877

Ion Ratio Lower Upper

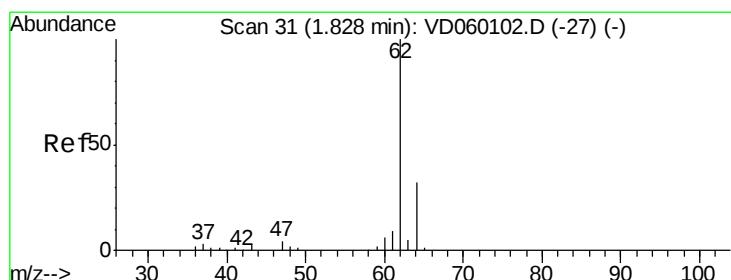
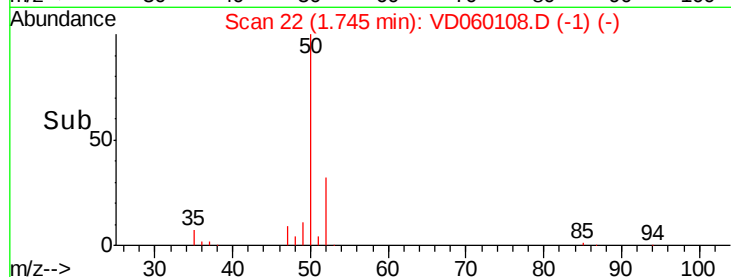
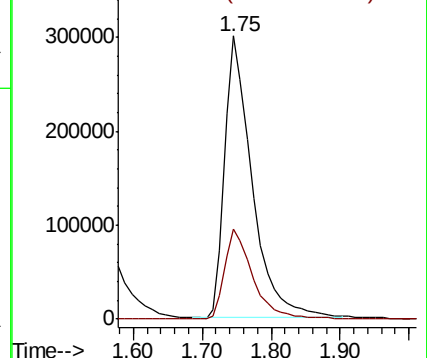
50 100

52 31.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.626 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.02 min

Lab File: VD060108.D

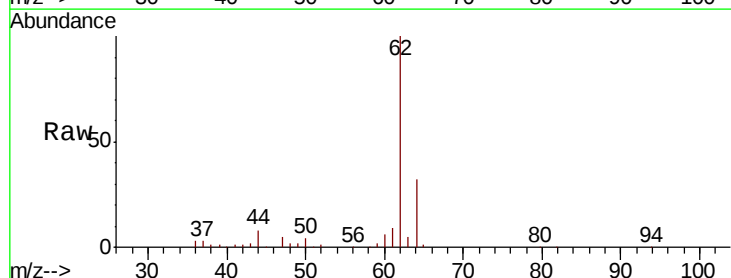
Acq: 2 Oct 2018 11:05

Tgt Ion: 62 Resp: 670089

Ion Ratio Lower Upper

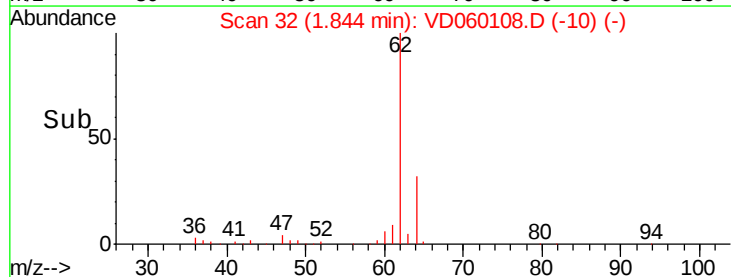
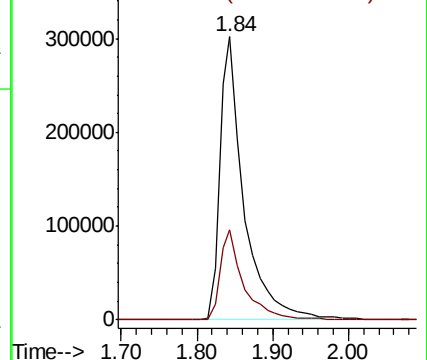
62 100

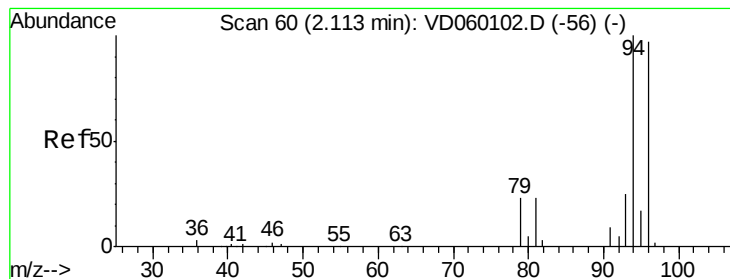
64 32.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.921 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

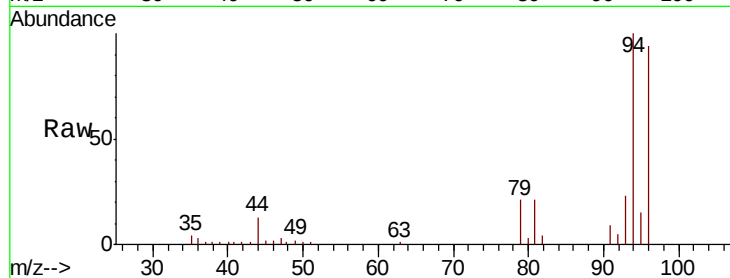
VSTDCCC050

Tot Ion: 94 Resp: 107698

Ion Ratio Lower Upper

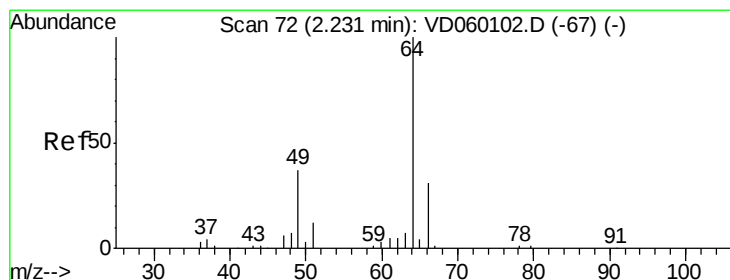
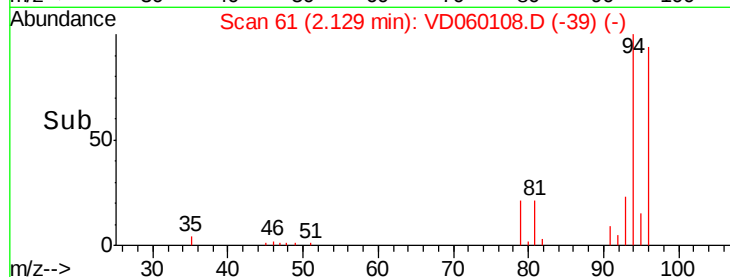
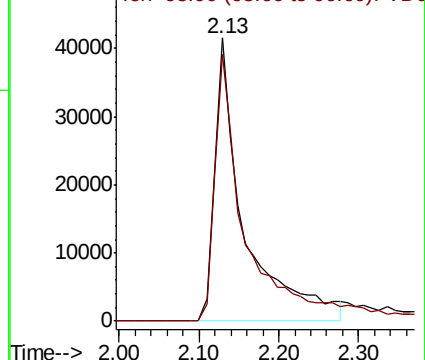
94 100

96 94.3 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.850 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060108.D

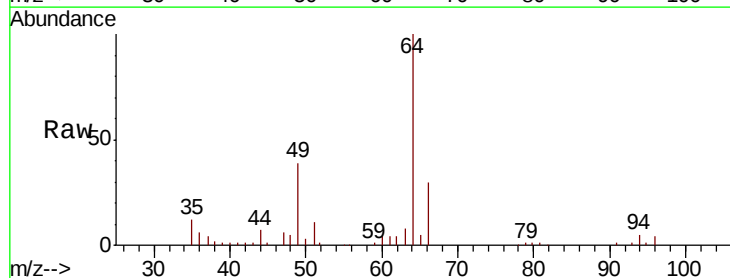
Acq: 2 Oct 2018 11:05

Tgt Ion: 64 Resp: 200349

Ion Ratio Lower Upper

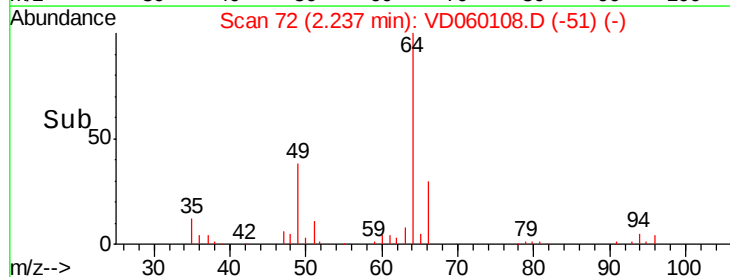
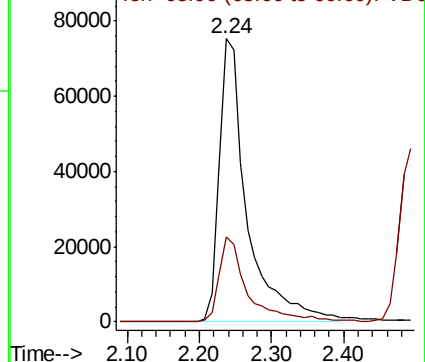
64 100

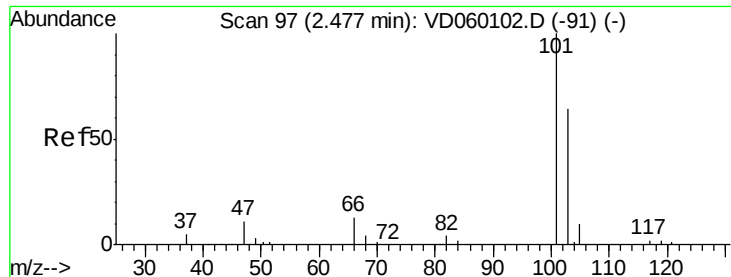
66 29.8 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 52.885 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.02 min

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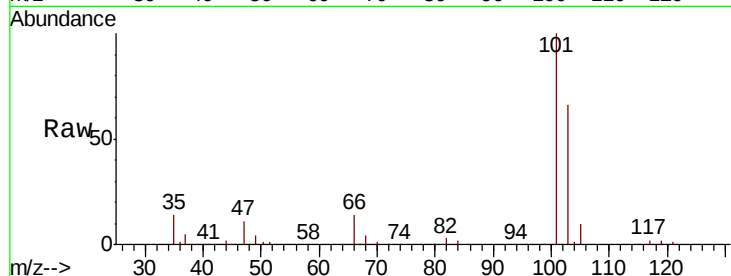
VSTDCCC050

Tot Ion:101 Resp: 776789

Ion Ratio Lower Upper

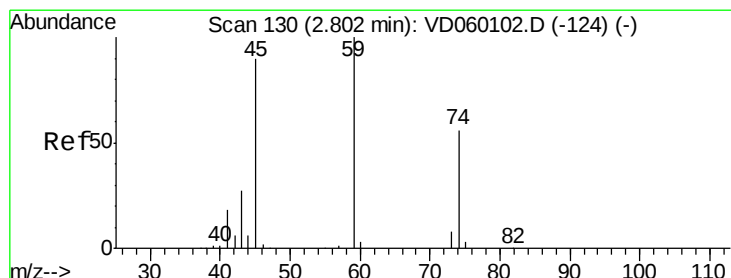
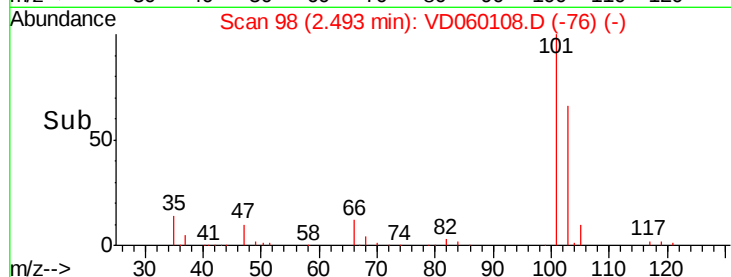
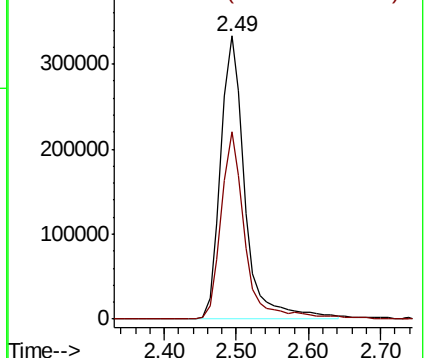
101 100

103 66.4 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 56.533 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060108.D

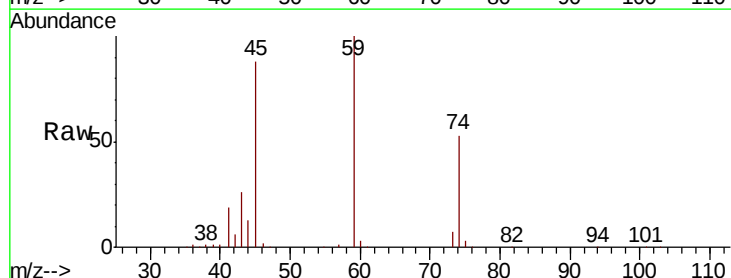
Acq: 2 Oct 2018 11:05

Tgt Ion: 74 Resp: 170748

Ion Ratio Lower Upper

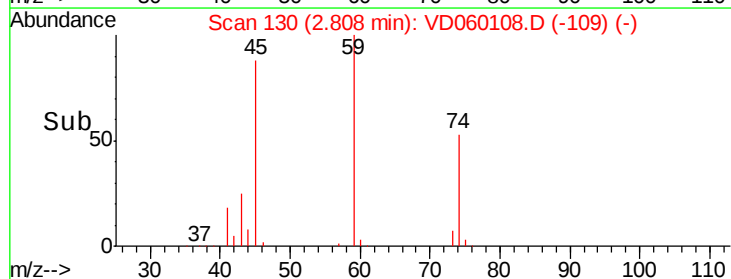
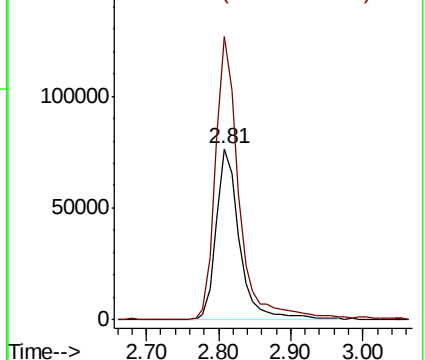
74 100

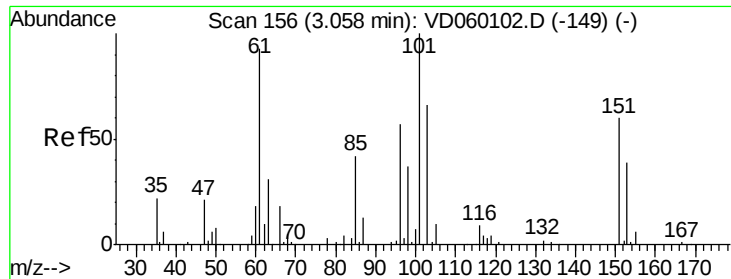
45 165.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.359 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

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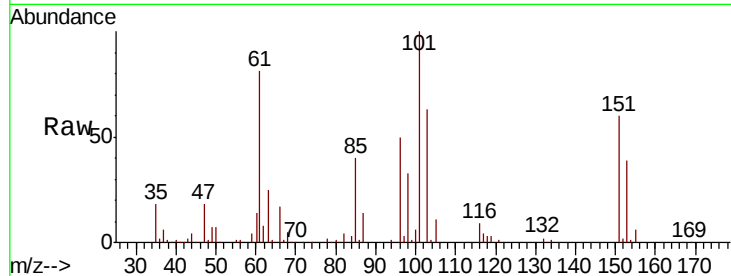
Tot Ion:101 Resp: 497411

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.0

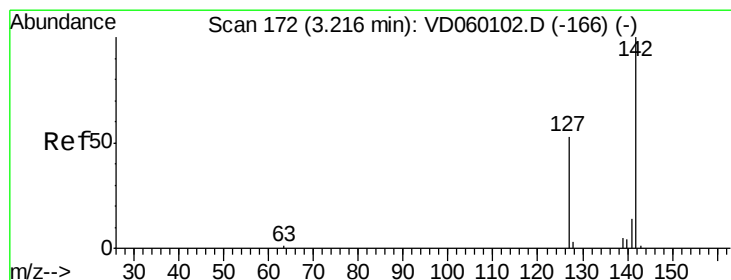
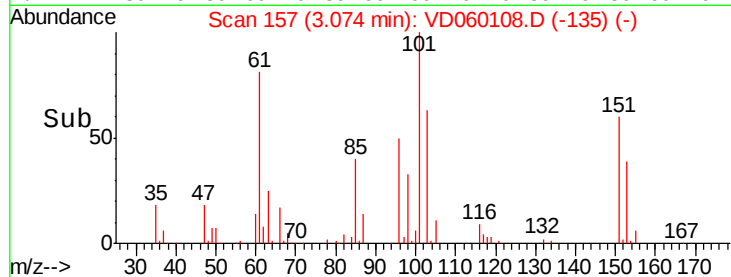
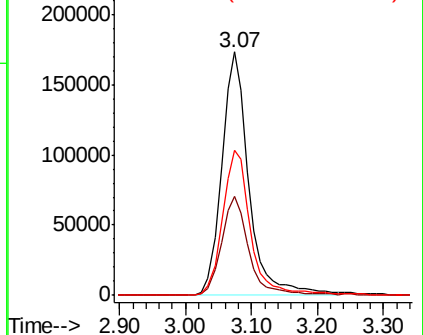
151 59.7 48.0 72.0



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: 55.451 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

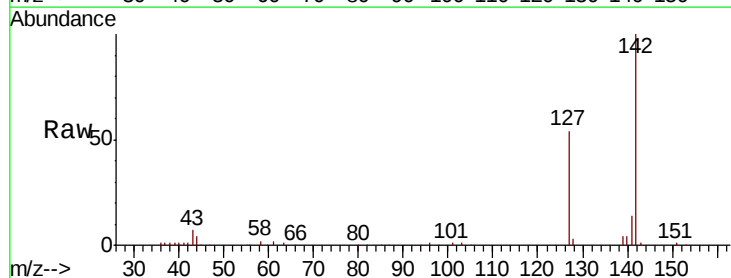
Tgt Ion:142 Resp: 538084

Ion Ratio Lower Upper

142 100

127 53.9 42.0 63.0

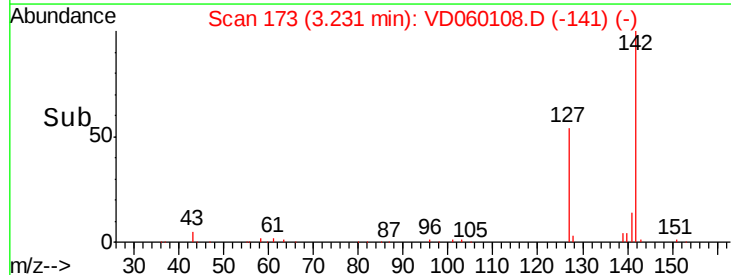
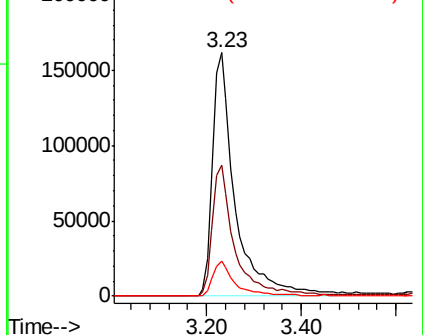
141 14.3 11.4 17.0

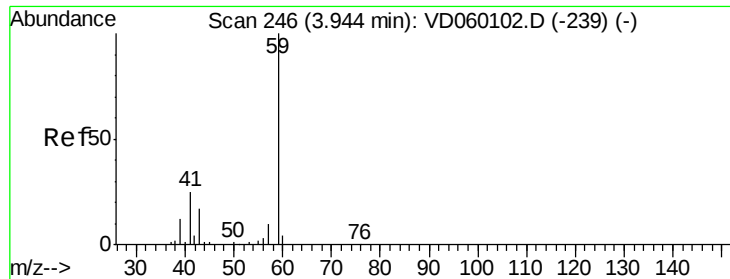


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

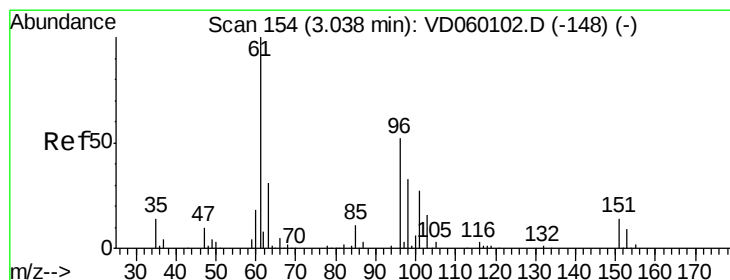
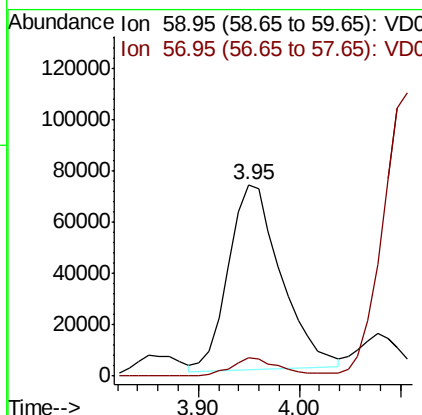
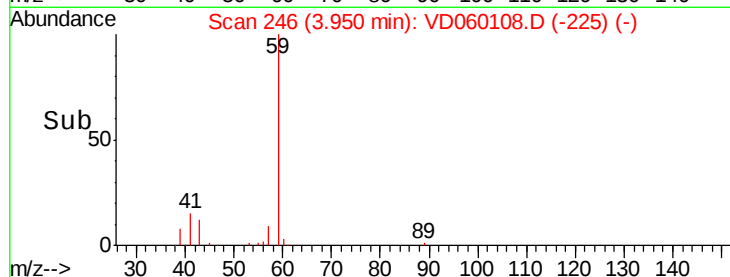
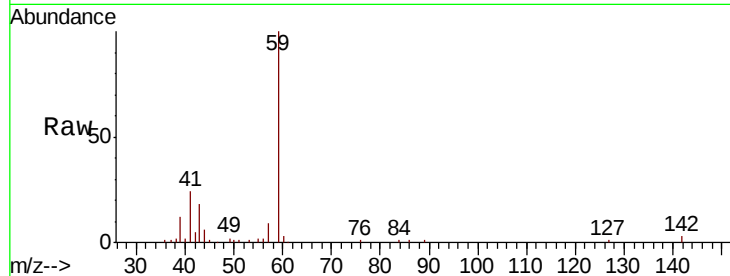




#11
Tert butyl alcohol
Concen: 274.859 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

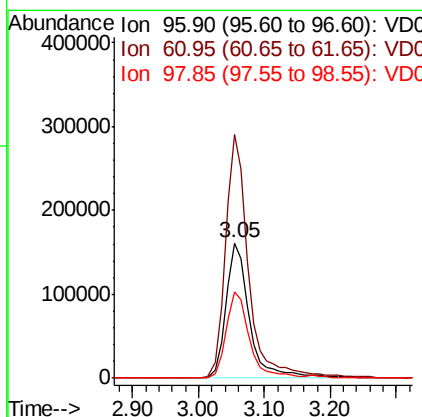
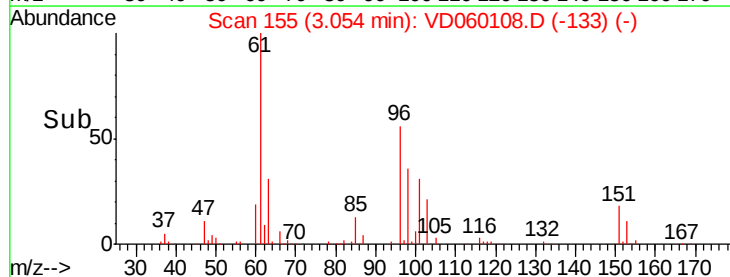
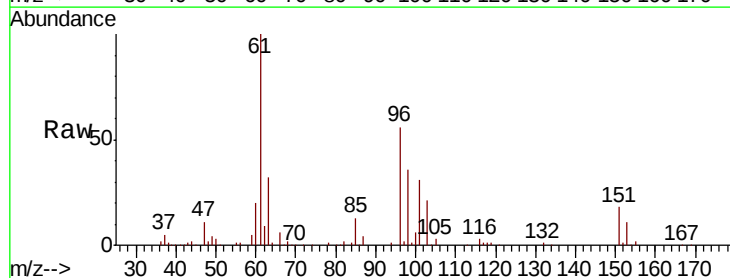
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

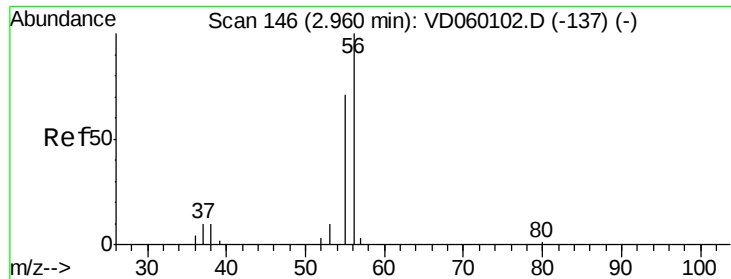
Tot Ion: 59 Resp: 264055
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.6



#12
1,1-Dichloroethene
Concen: 55.778 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 96 Resp: 402084
Ion Ratio Lower Upper
96 100
61 180.2 153.0 229.4
98 64.0 51.1 76.7

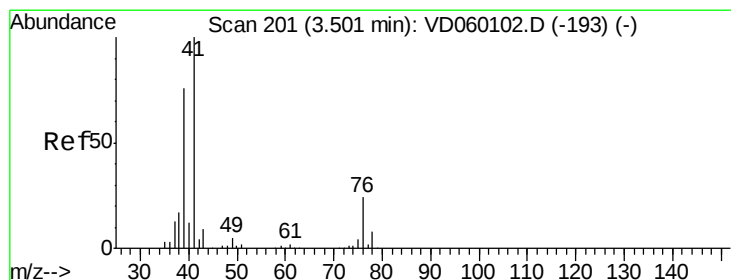
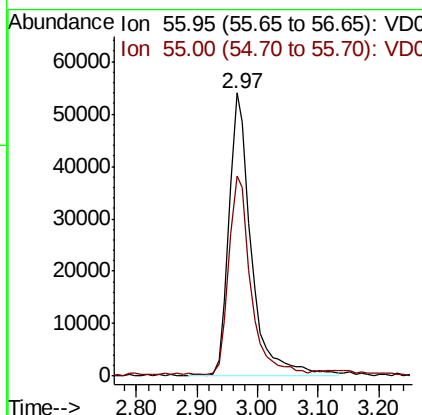
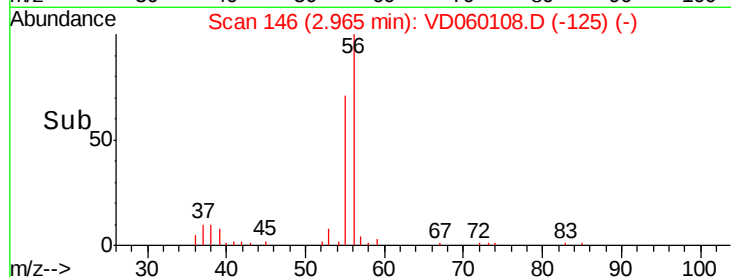
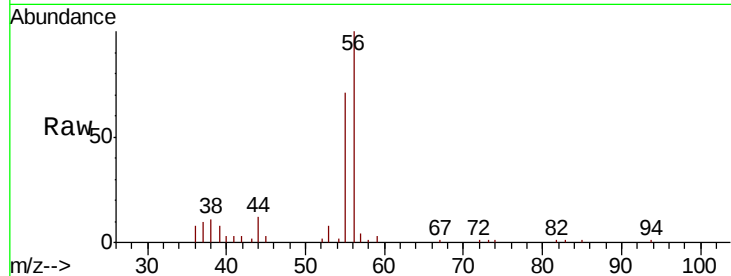




#13
Acrolein
Concen: 236.016 ug/l
RT: 2.97 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

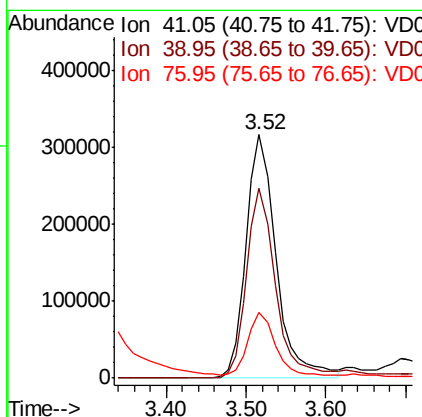
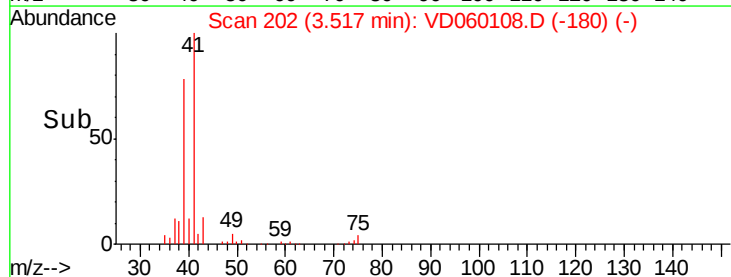
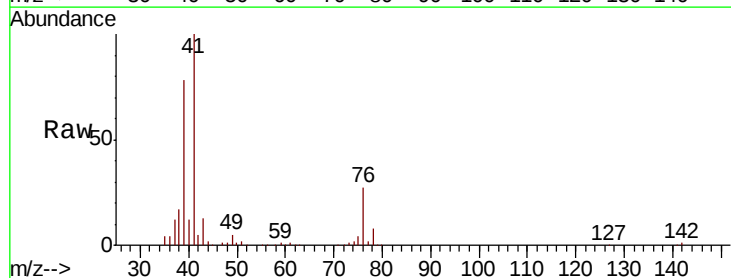
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

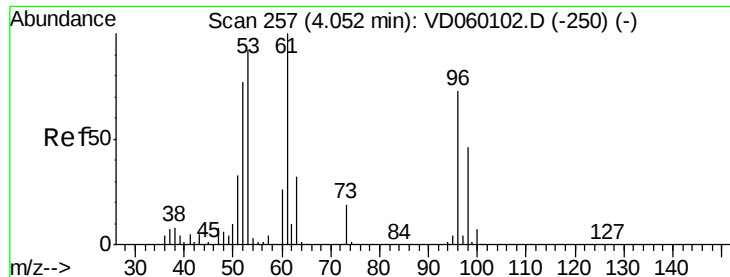
Tot Ion: 56 Resp: 139773
Ion Ratio Lower Upper
56 100
55 70.9 57.4 86.2



#14
Allyl chloride
Concen: 55.047 ug/l
RT: 3.52 min Scan# 202
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 41 Resp: 824152
Ion Ratio Lower Upper
41 100
39 78.2 60.6 90.8
76 27.2 21.3 31.9





#15

Acrylonitrile

Concen: 258.890 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

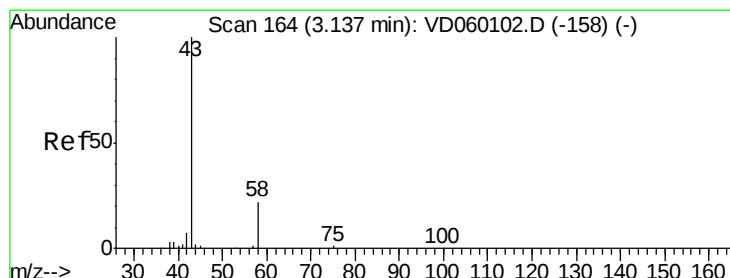
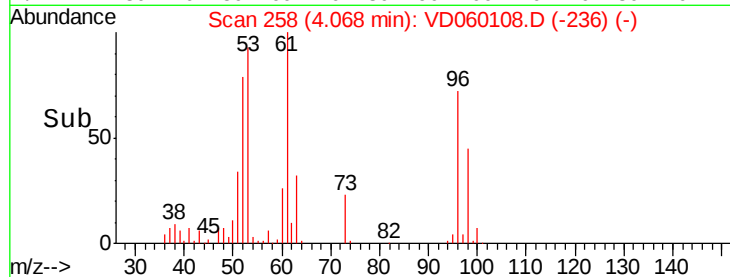
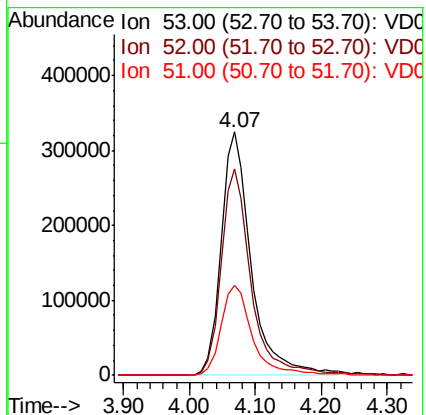
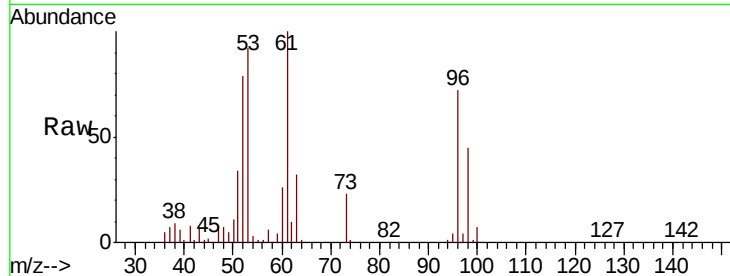
Tot Ion: 53 Resp: 1029460

Ion Ratio Lower Upper

53 100

52 85.0 67.5 101.3

51 37.1 29.3 43.9



#16

Acetone

Concen: 296.931 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060108.D

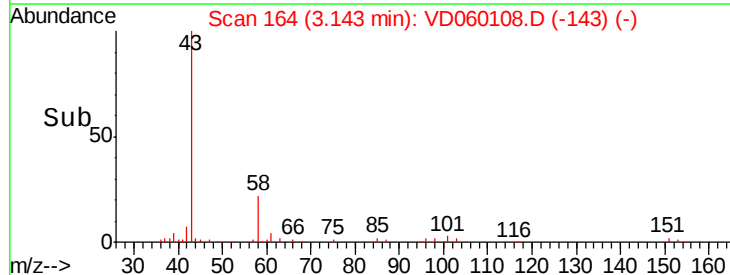
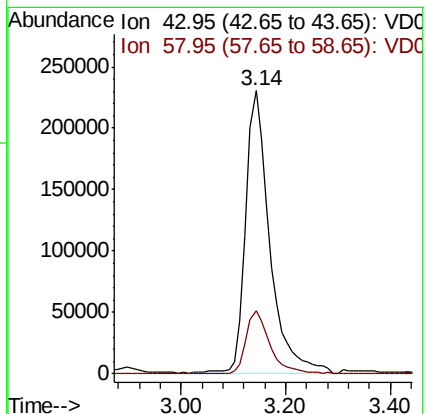
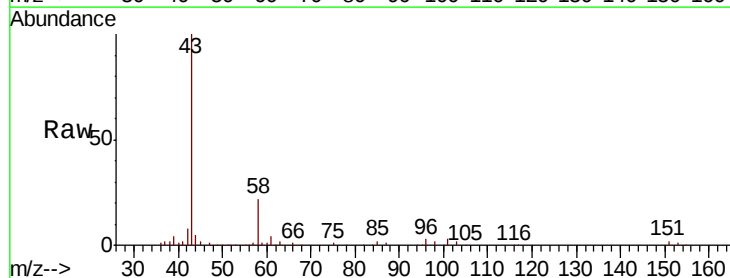
Acq: 2 Oct 2018 11:05

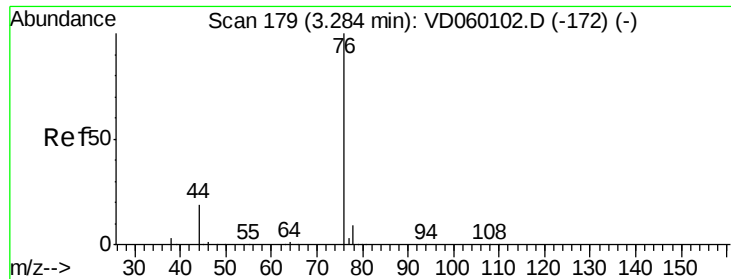
Tgt Ion: 43 Resp: 721729

Ion Ratio Lower Upper

43 100

58 22.2 17.7 26.5

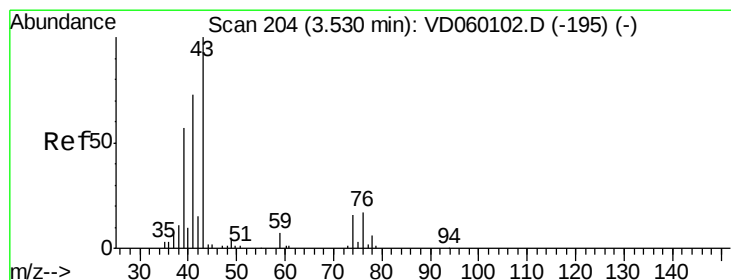
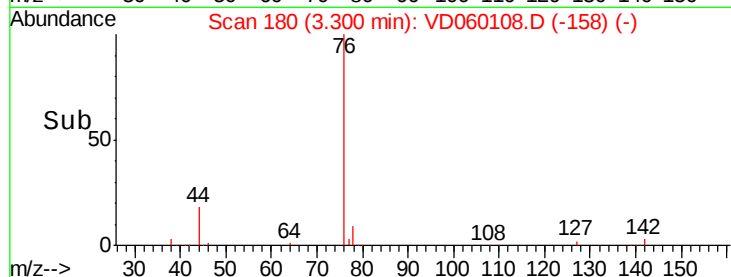
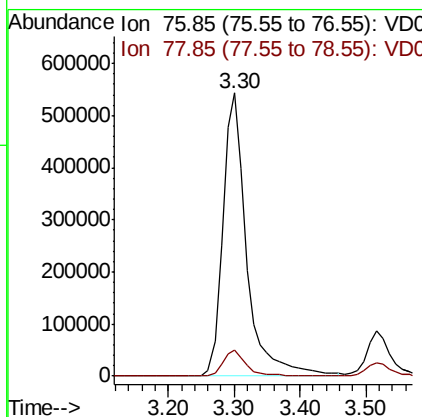
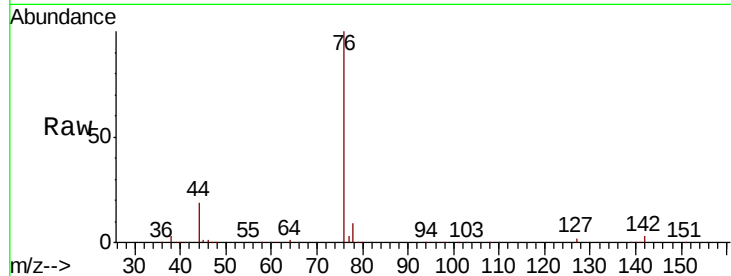




#17
Carbon Disulfide
Concen: 56.662 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

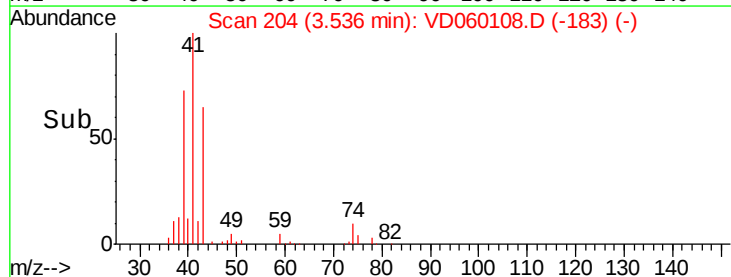
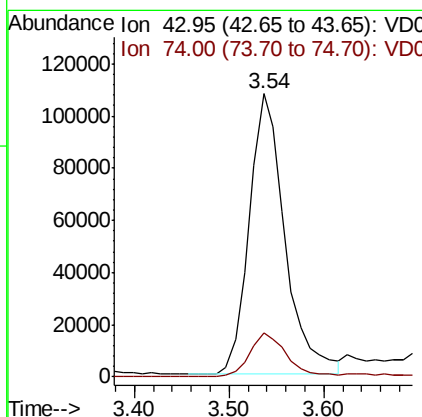
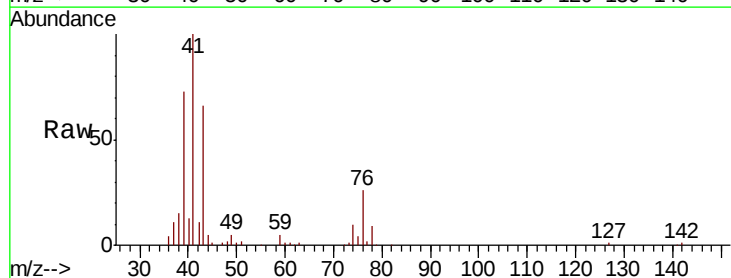
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

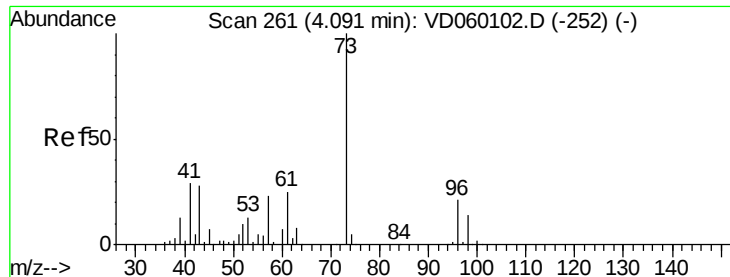
Tot Ion: 76 Resp: 1373566
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 54.066 ug/l
RT: 3.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 43 Resp: 282456
Ion Ratio Lower Upper
43 100
74 15.6 12.6 19.0





#19

Methyl tert-butyl Ether
 Concen: 52.901 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

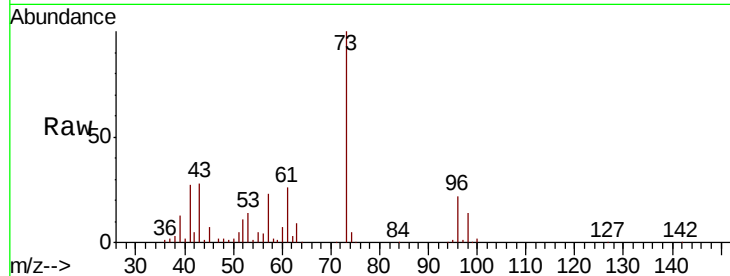
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1676678

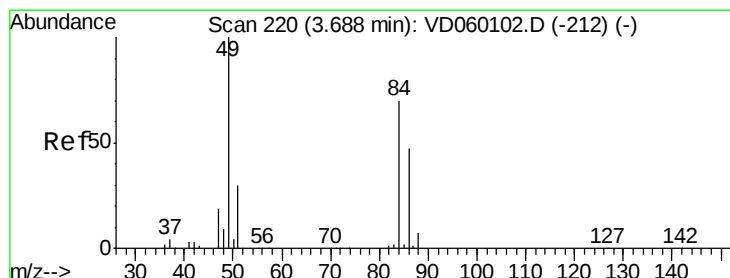
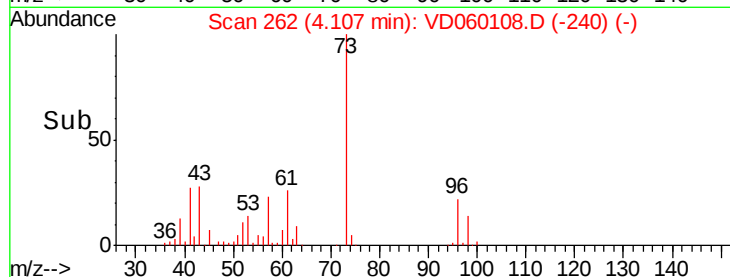
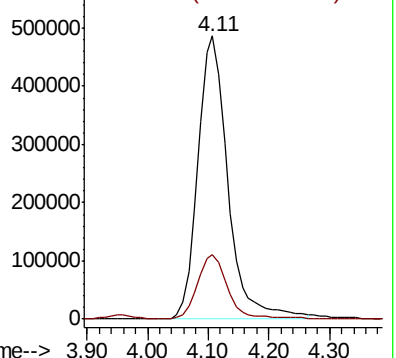
Ion Ratio Lower Upper

73 100

57 22.7 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 51.440 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 84 Resp: 981795

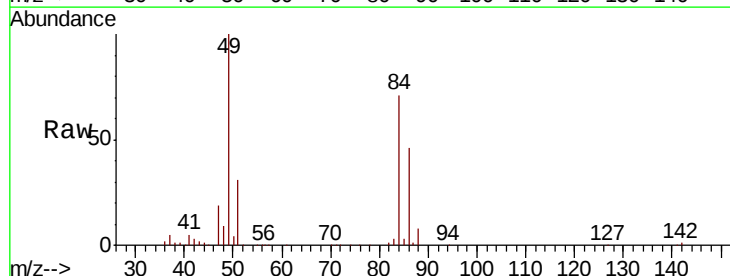
Ion Ratio Lower Upper

84 100

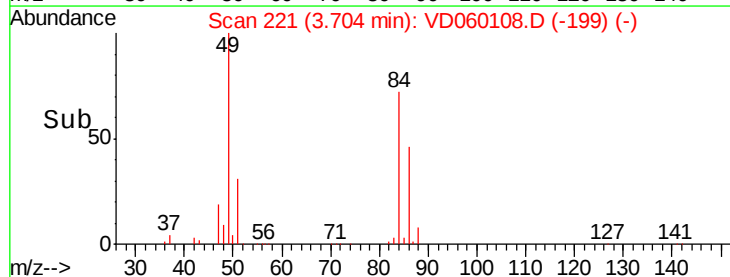
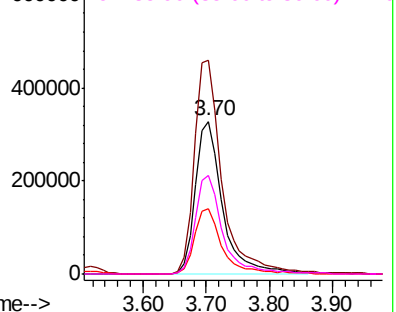
49 140.1 114.6 172.0

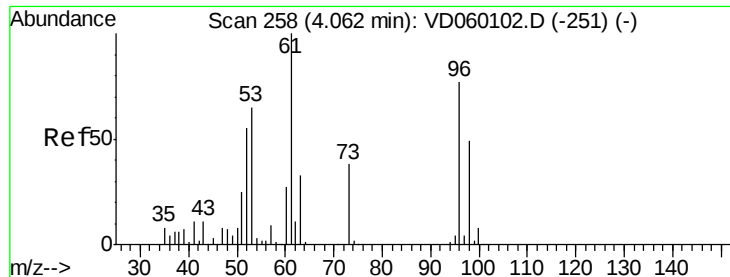
51 42.8 33.8 50.8

86 64.3 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 50.849 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

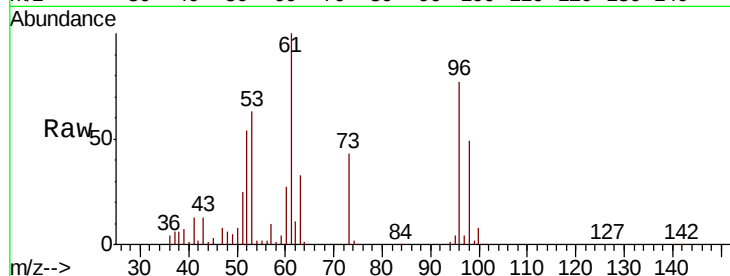
Tot Ion: 96 Resp: 946710

Ion Ratio Lower Upper

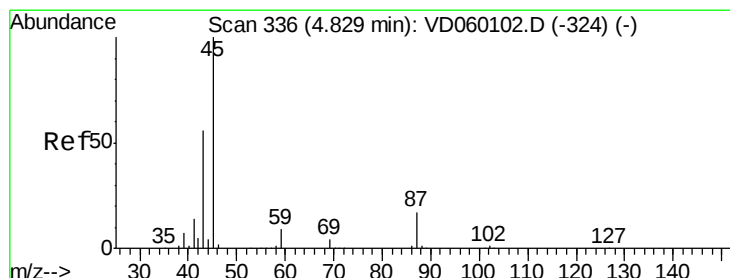
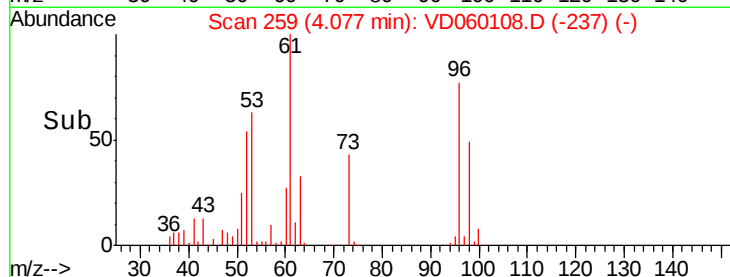
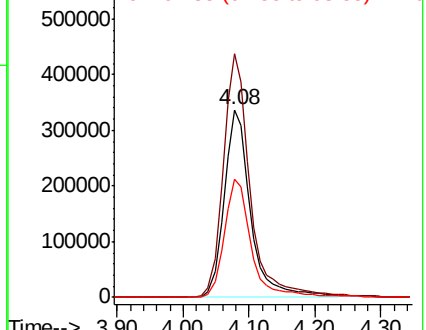
96 100

61 129.8 103.3 154.9

98 63.2 50.4 75.6



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



#22

Diisopropyl ether

Concen: 51.713 ug/l

RT: 4.84 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tgt Ion: 45 Resp: 3457723

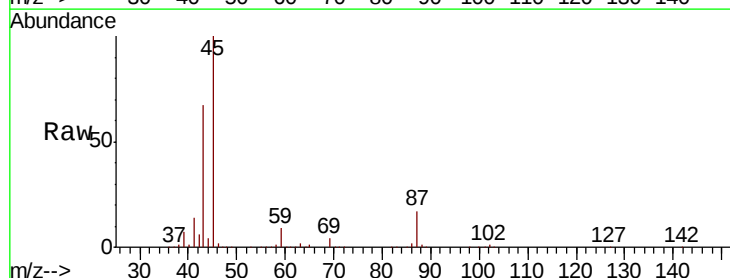
Ion Ratio Lower Upper

45 100

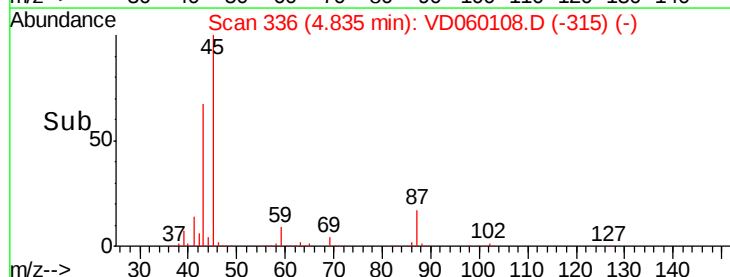
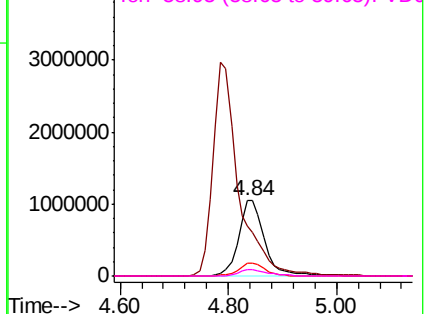
43 66.9 44.8 67.2

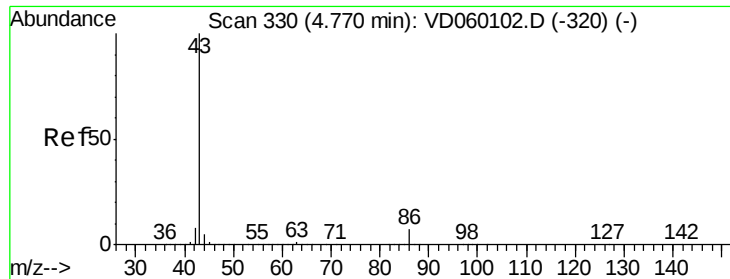
87 16.6 13.9 20.9

59 8.8 7.1 10.7



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





#23

Vinyl Acetate

Concen: 260.294 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

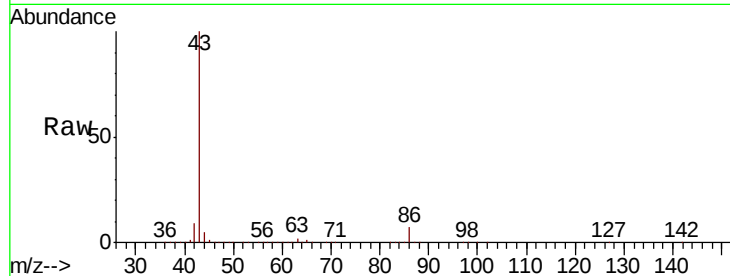
VSTDCCC050

Tot Ion: 43 Resp: 9782891

Ion Ratio Lower Upper

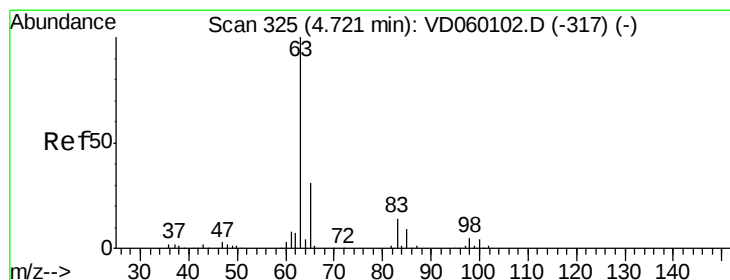
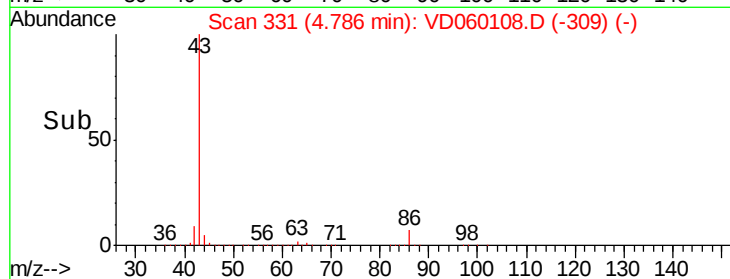
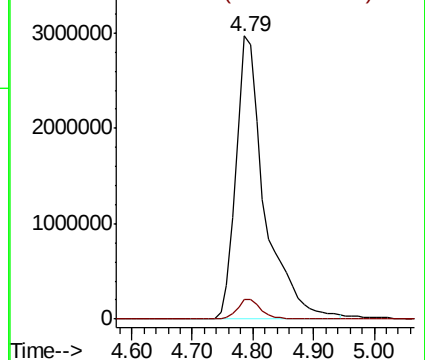
43 100

86 6.9 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.176 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

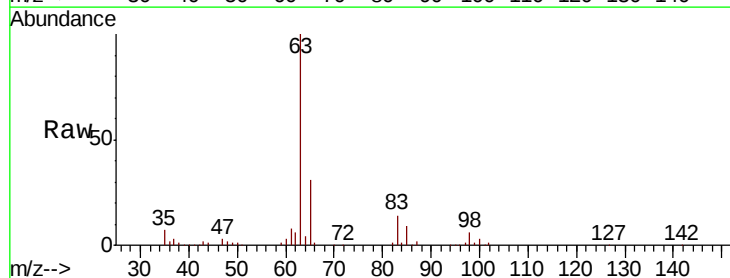
Tgt Ion: 63 Resp: 1581784

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

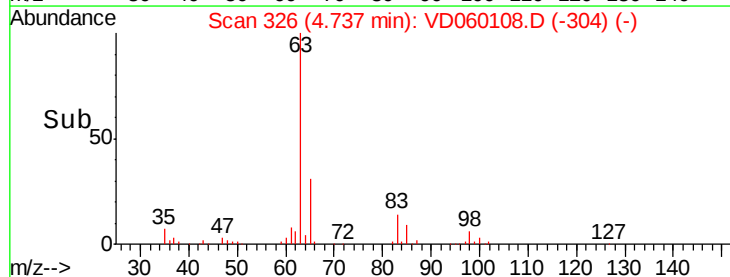
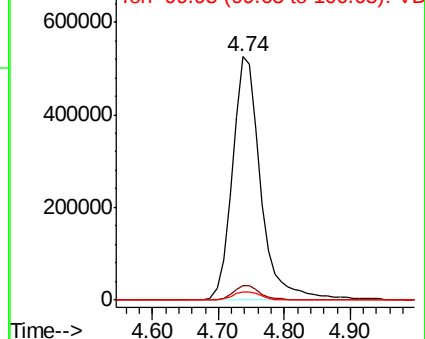
100 3.5 1.8 5.3

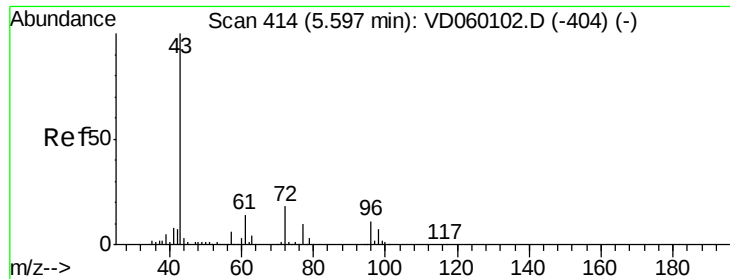


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.799 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

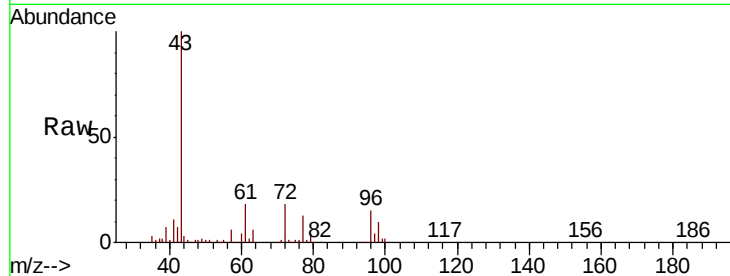
VSTDCCC050

Tot Ion: 43 Resp: 1686882

Ion Ratio Lower Upper

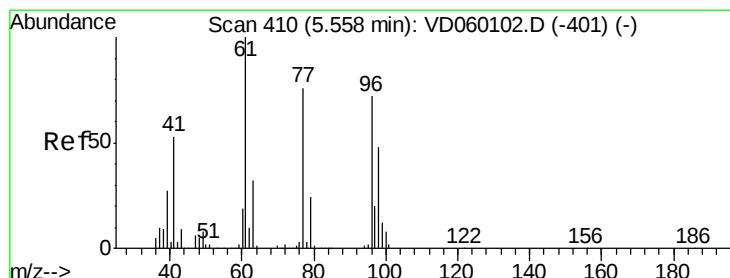
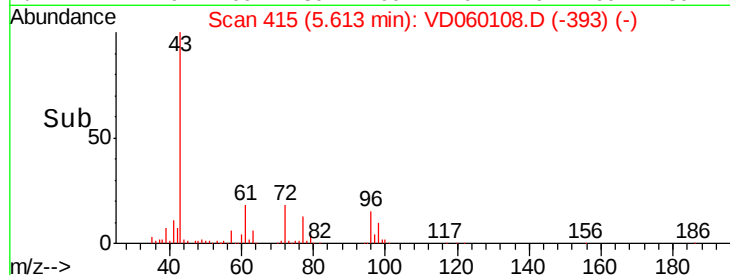
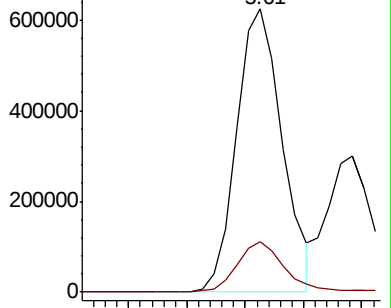
43 100

72 17.6 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.759 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060108.D

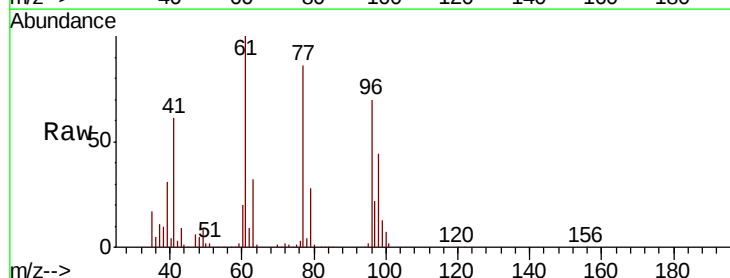
Acq: 2 Oct 2018 11:05

Tgt Ion: 77 Resp: 1258494

Ion Ratio Lower Upper

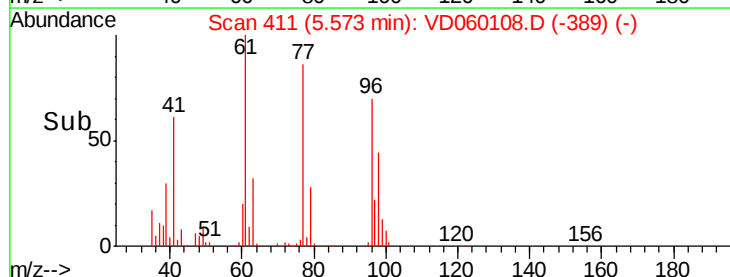
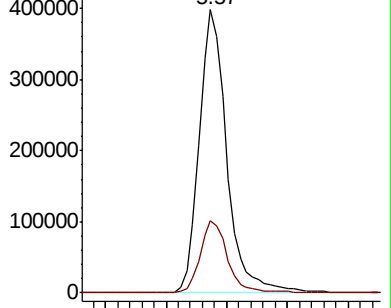
77 100

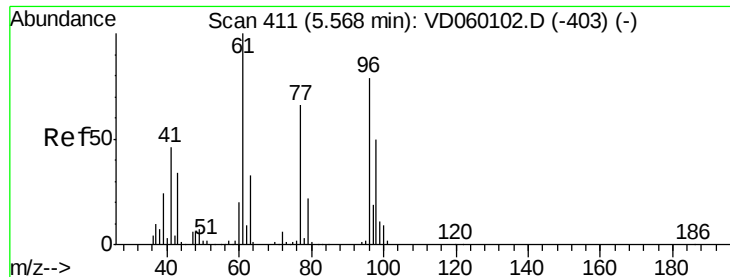
97 25.6 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



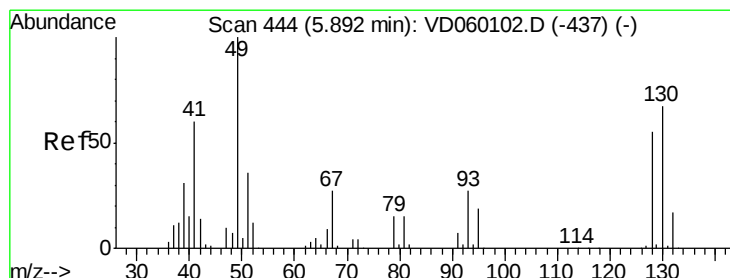
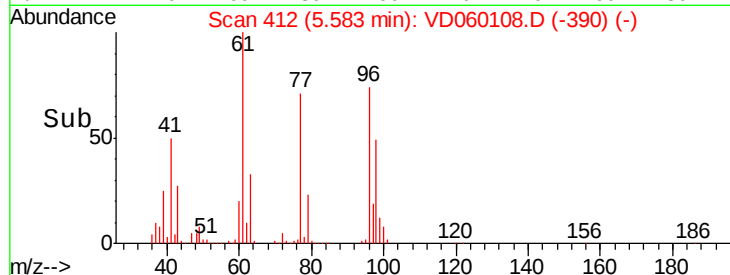
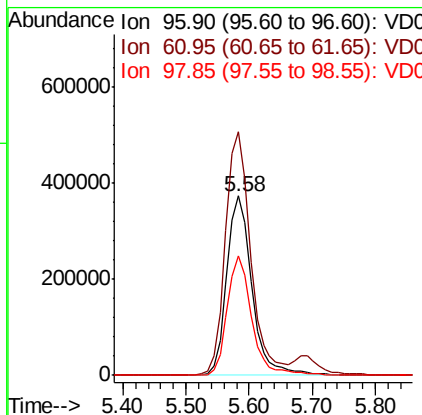
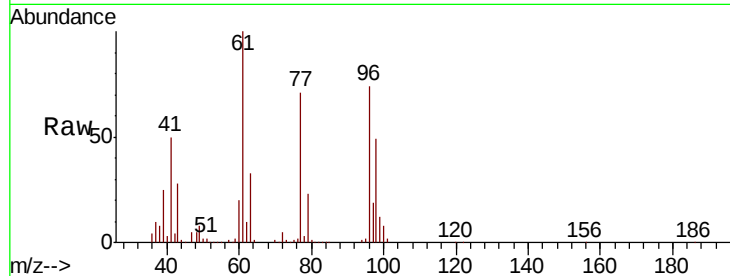


#27

cis-1,2-Dichloroethene
 Concen: 52.197 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

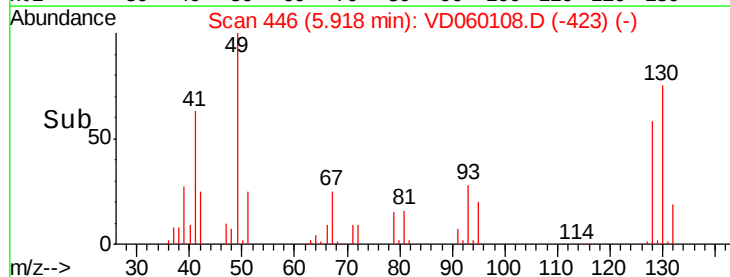
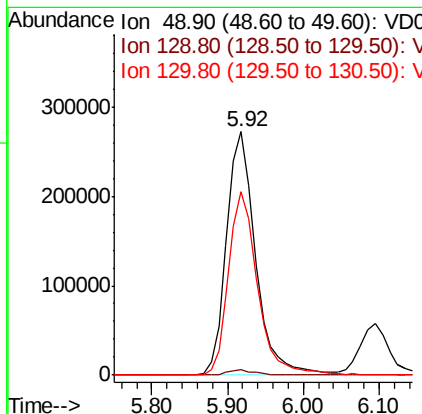
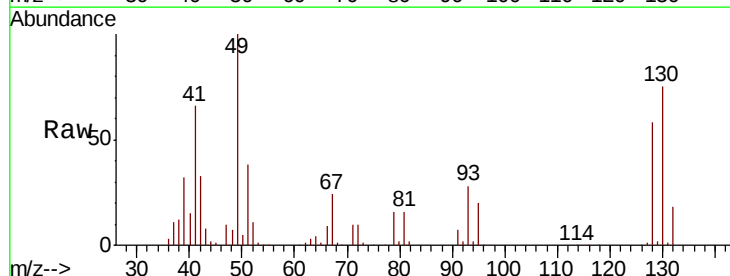
Tot Ion: 96 Resp: 1029613
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 251.8
 98 66.3 0.0 125.2

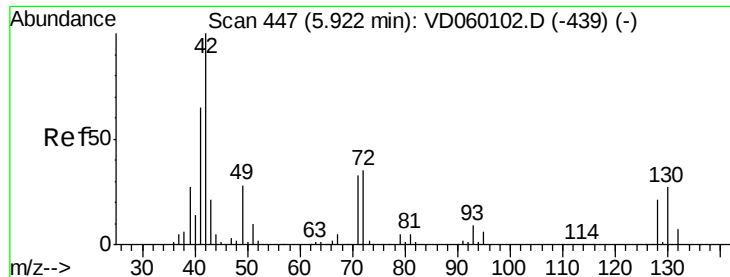


#28

Bromochloromethane
 Concen: 49.176 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 49 Resp: 724468
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 75.1 53.9 80.9





#29

Tetrahydrofuran

Concen: 268.137 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

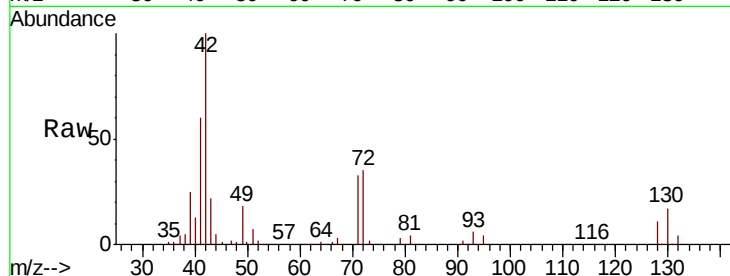
Tot Ion: 42 Resp: 945748

Ion Ratio Lower Upper

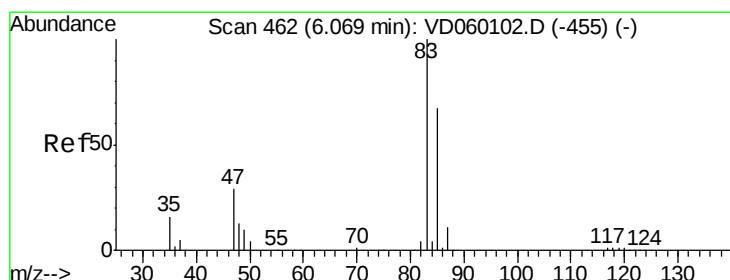
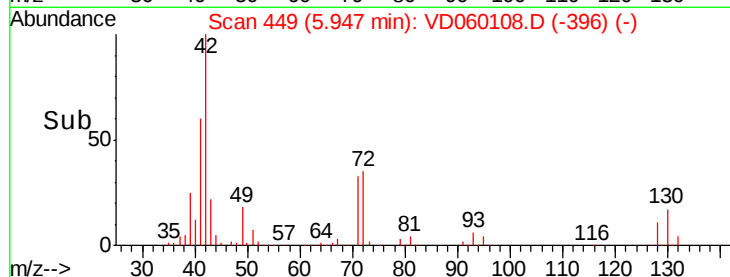
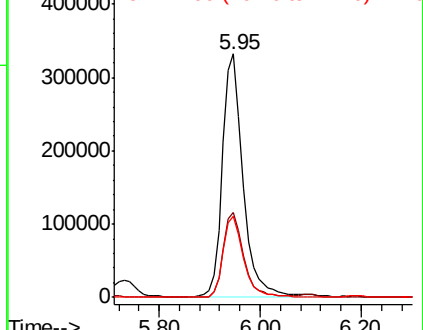
42 100

72 34.0 26.9 40.3

71 32.9 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.410 ug/l

RT: 6.09 min Scan# 464

Delta R.T. 0.03 min

Lab File: VD060108.D

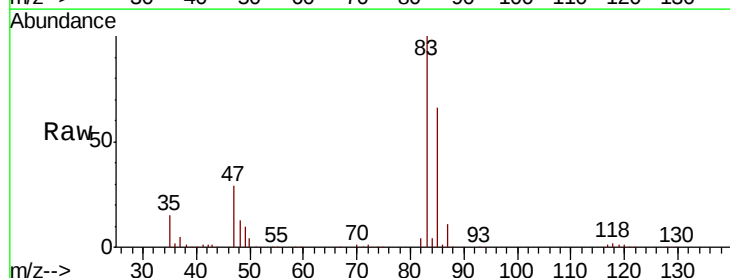
Acq: 2 Oct 2018 11:05

Tgt Ion: 83 Resp: 1576558

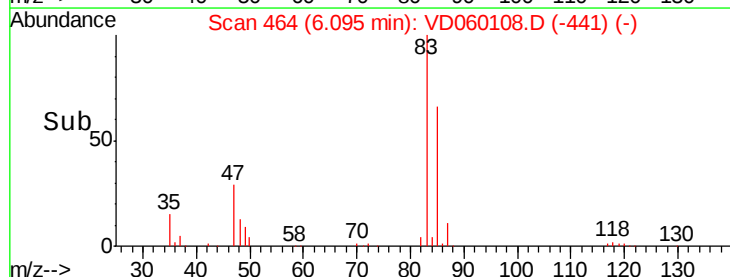
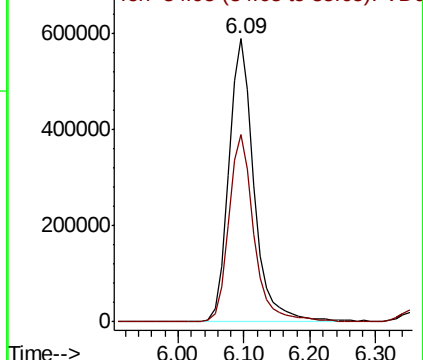
Ion Ratio Lower Upper

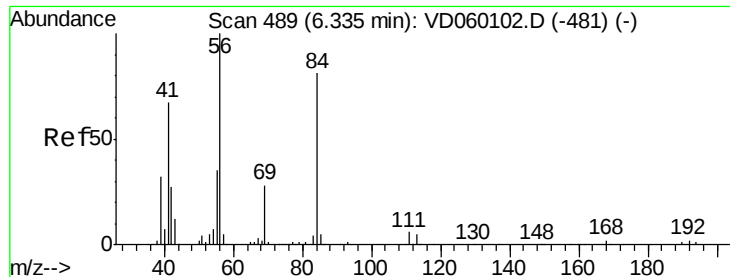
83 100

85 66.2 53.8 80.8



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

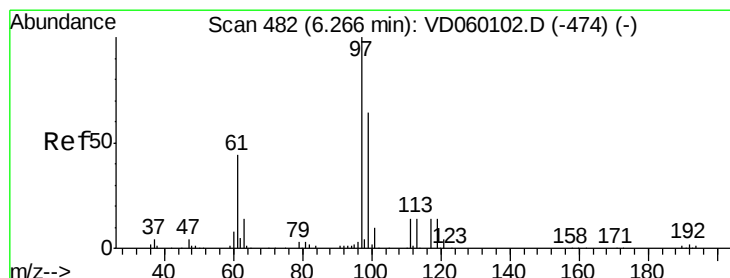
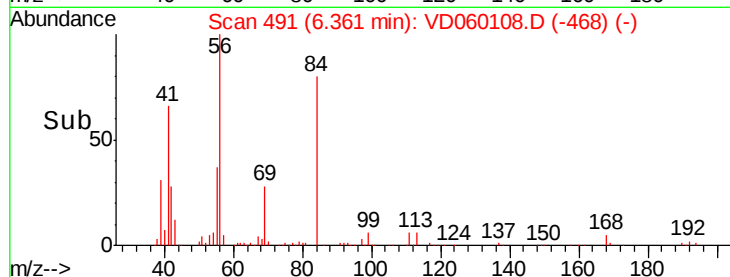
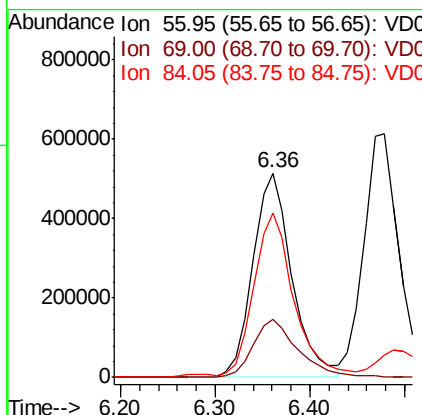
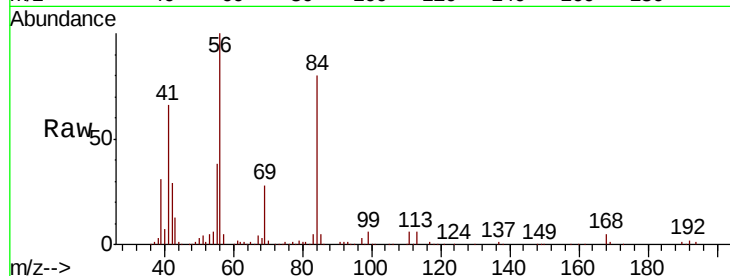




#31
Cyclohexane
Concen: 50.914 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

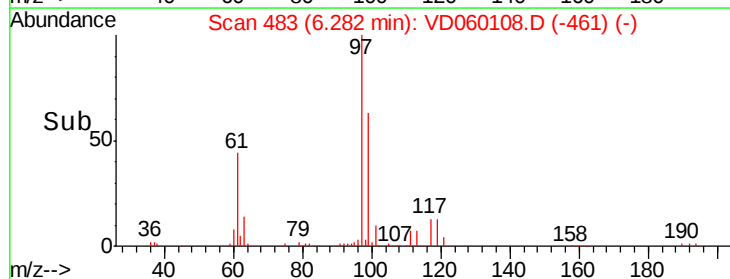
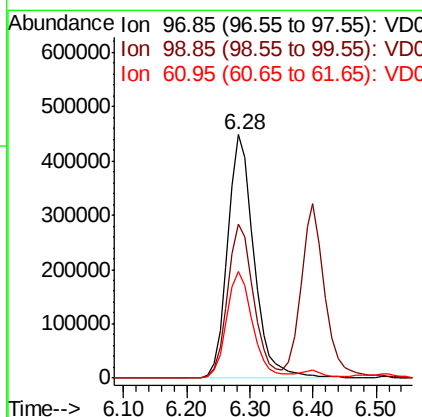
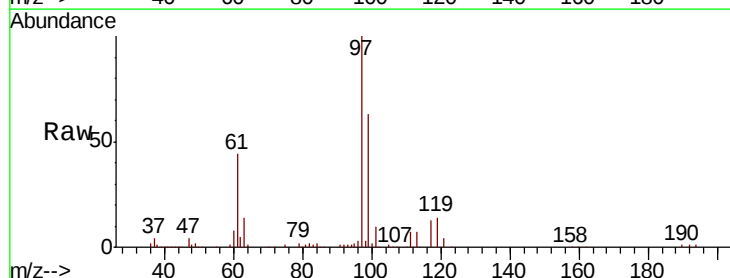
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

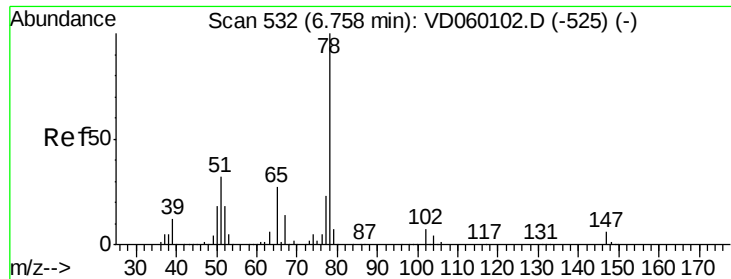
Tot Ion: 56 Resp: 1477547
Ion Ratio Lower Upper
56 100
69 28.2 22.8 34.2
84 80.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 51.584 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 97 Resp: 1295999
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.0
61 43.8 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 51.584 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

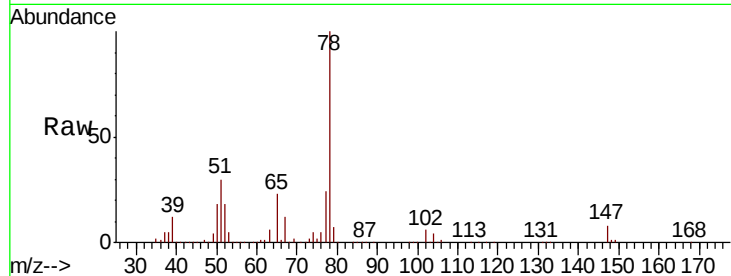
VSTDCCC050

Tot Ion: 65 Resp: 673092

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

150000

100000

50000

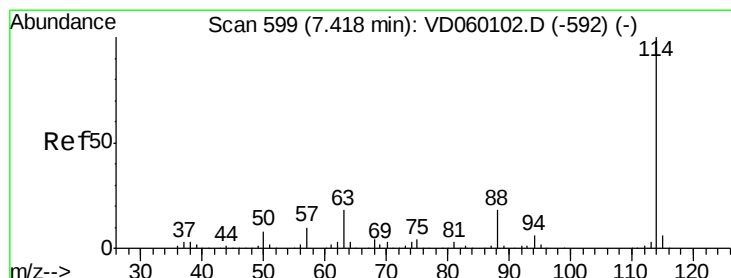
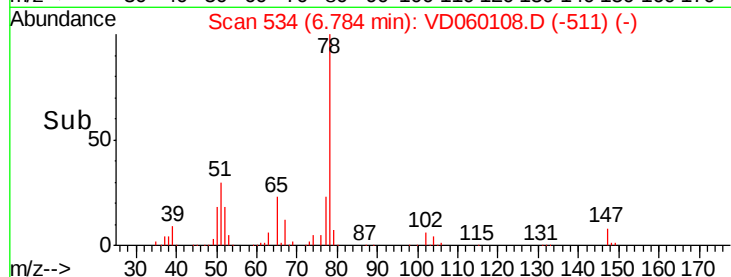
0

Time-->

6.70

6.80

6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

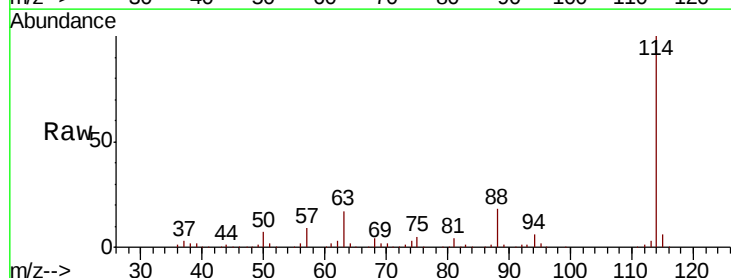
Tgt Ion: 114 Resp: 2418056

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.0

88 17.6 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

0

Time-->

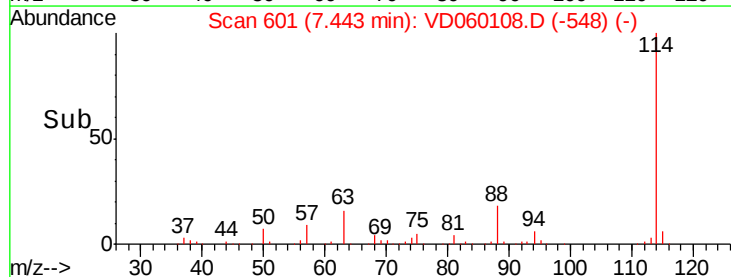
7.30

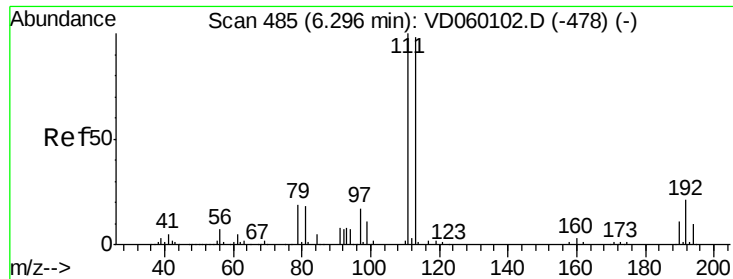
7.40

7.50

7.60

7.70

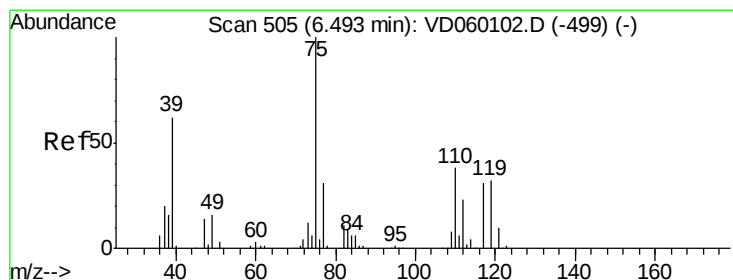
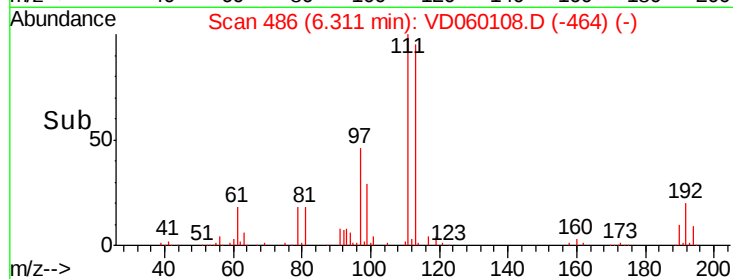
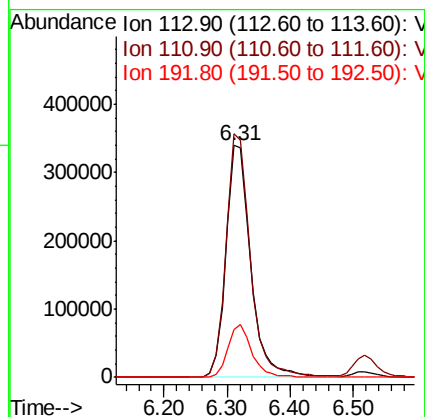
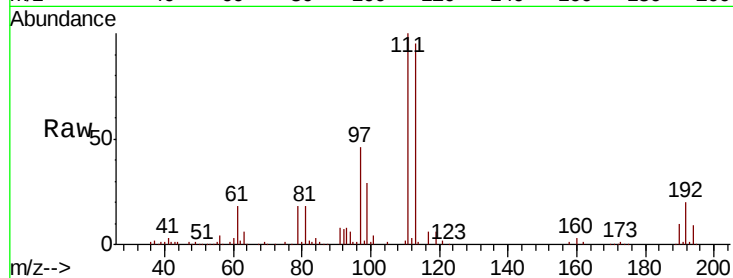




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

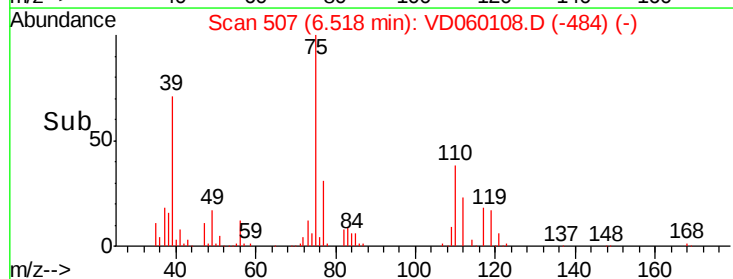
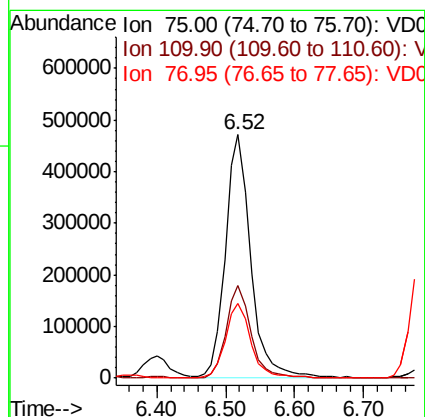
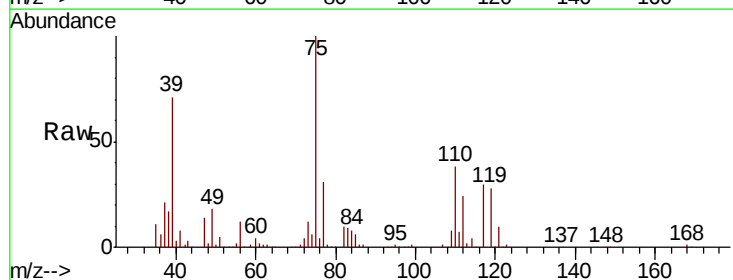
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

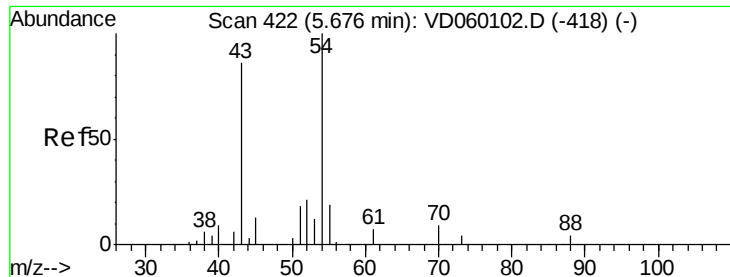
Tot Ion:113 Resp: 923229
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.5 122.3
 192 20.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 51.226 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 75 Resp: 1183668
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.0 57.0
 77 30.7 24.9 37.3

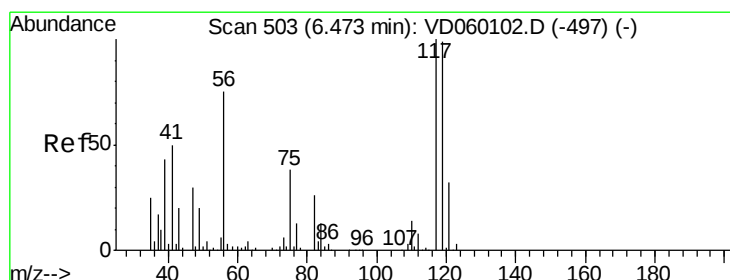
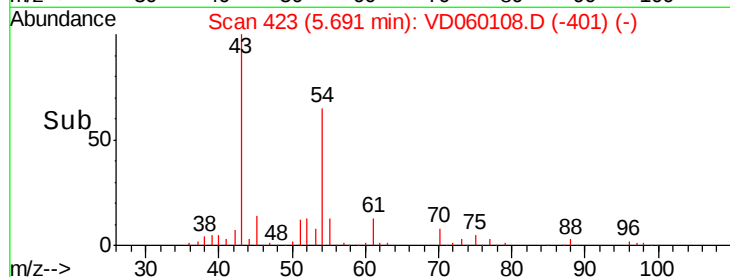
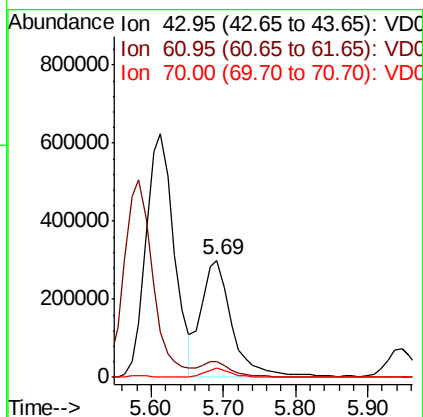
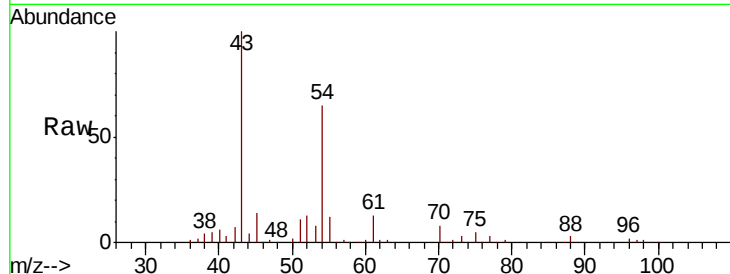




#37
Ethyl Acetate
Concen: 56.846 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

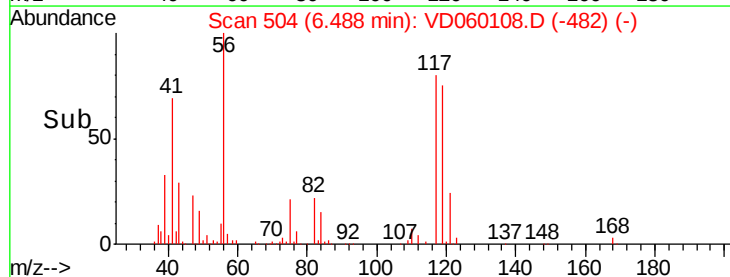
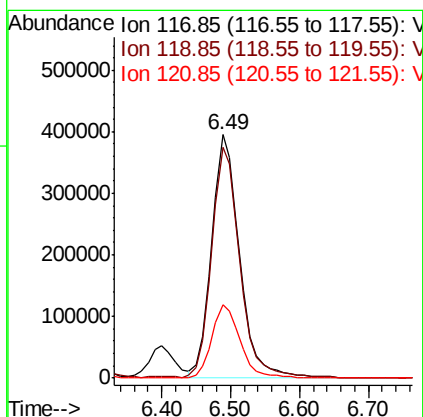
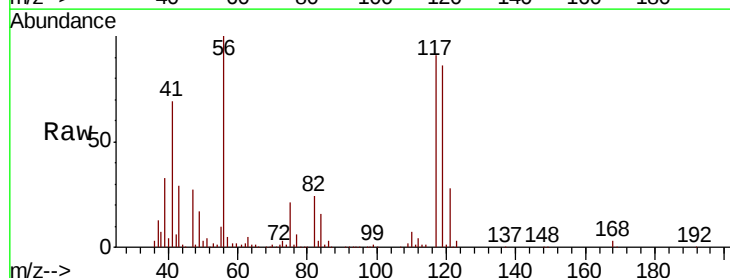
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

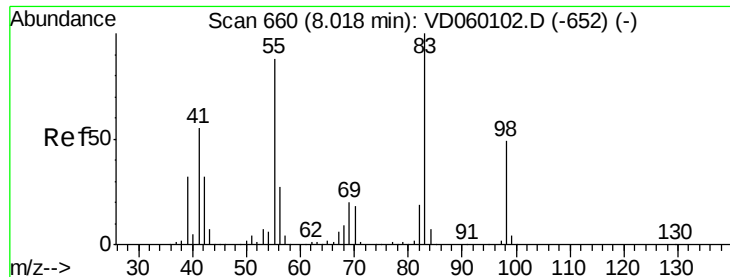
Tot Ion: 43 Resp: 871866
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 7.9 6.3 9.5



#38
Carbon Tetrachloride
Concen: 52.306 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 117 Resp: 1096962
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.6
121 30.1 24.8 37.2

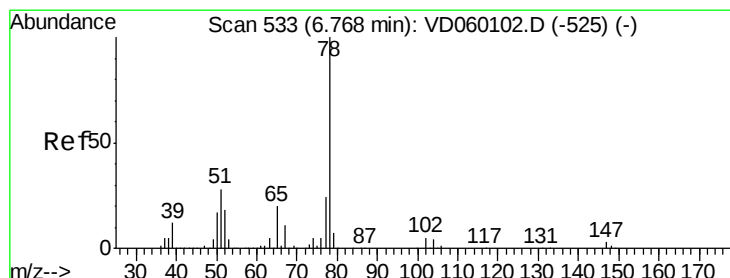
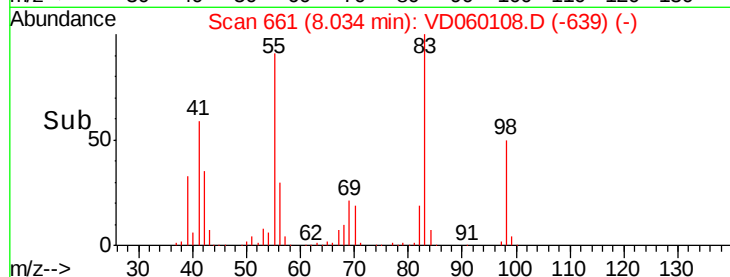
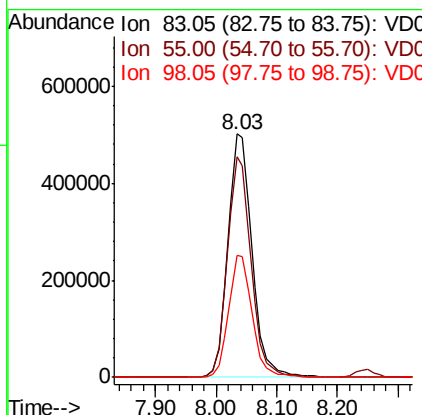
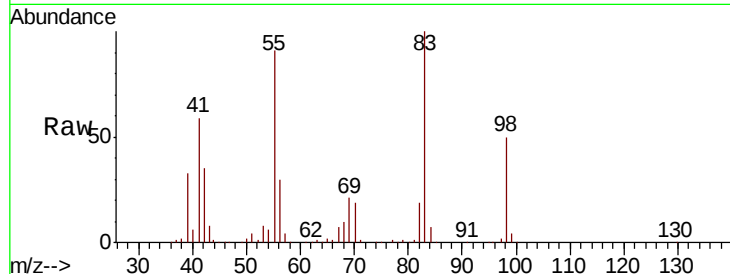




#39
Methvlcvclohexane
Concen: 52.769 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

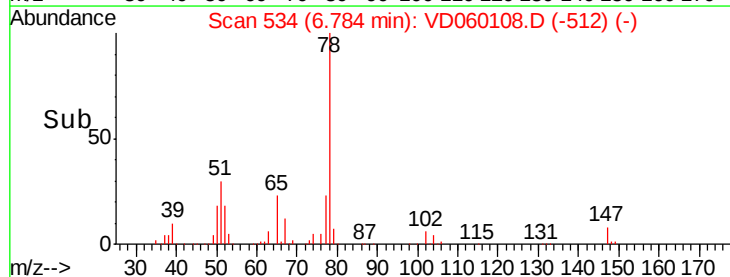
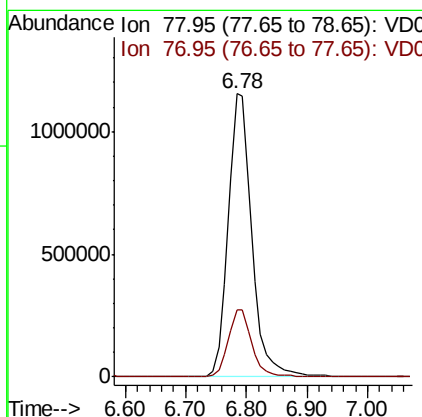
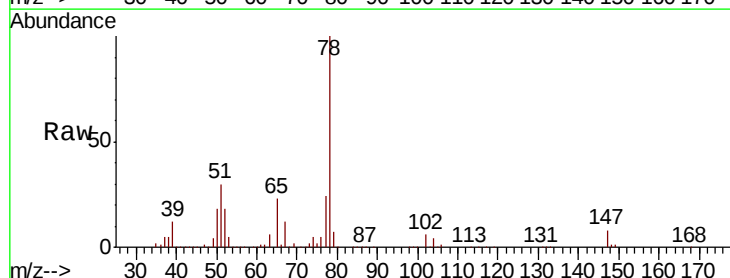
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

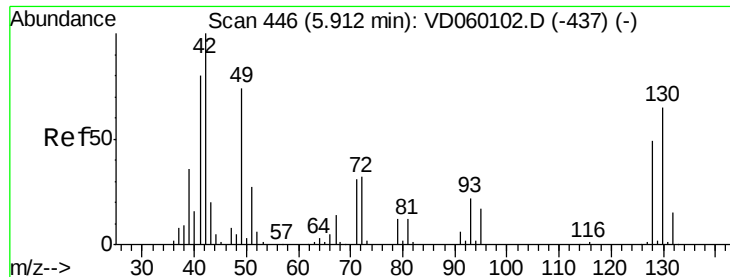
Tot Ion: 83 Resp: 1385384
Ion Ratio Lower Upper
83 100
55 90.7 70.5 105.7
98 50.2 39.4 59.2



#40
Benzene
Concen: 51.613 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 78 Resp: 3120054
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

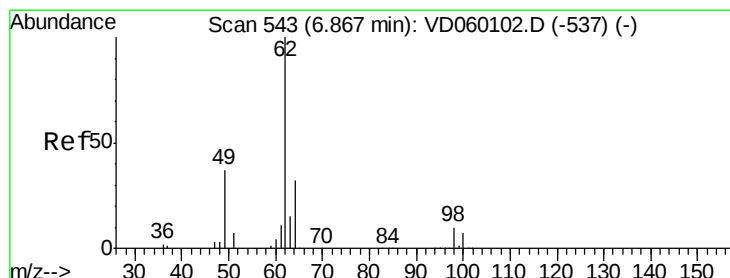
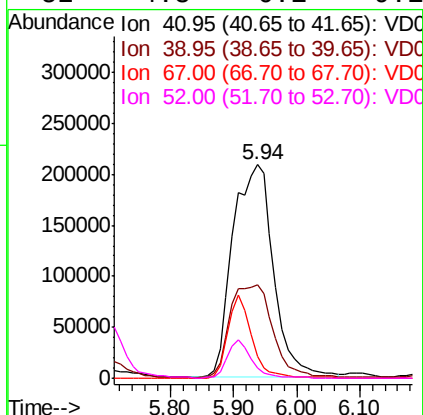
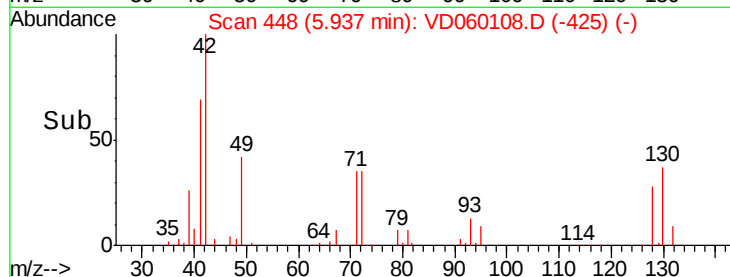
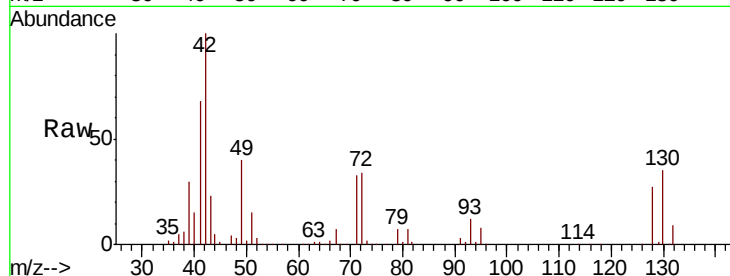




#41
Methacrylonitrile
Concen: 108.377 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

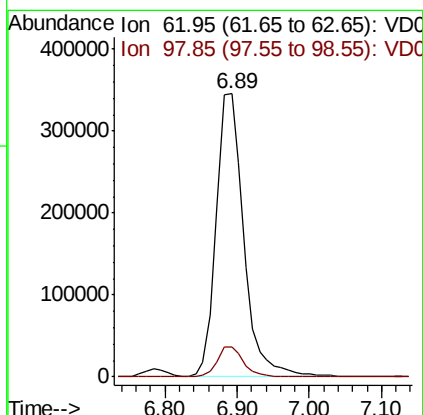
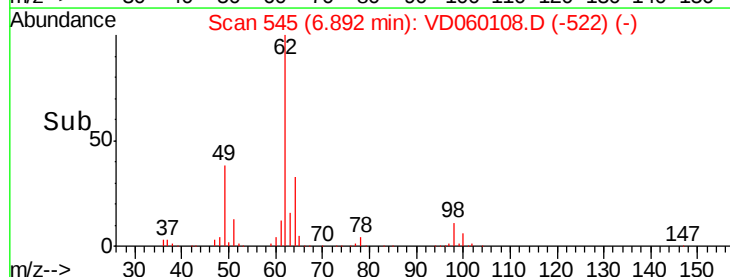
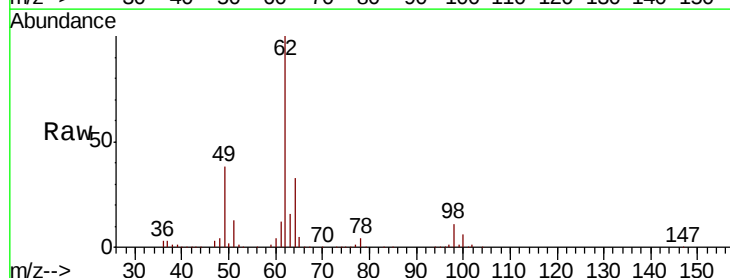
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

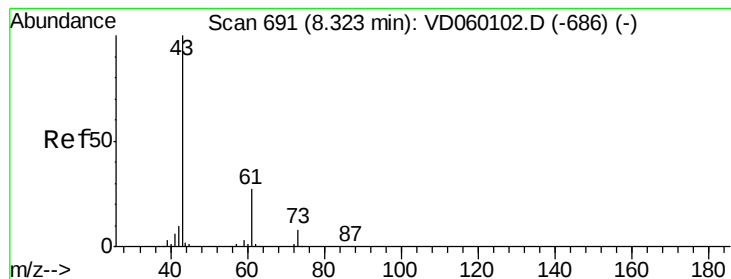
Tot Ion: 41 Resp: 939514
Ion Ratio Lower Upper
41 100
39 43.8 36.0 54.0
67 10.2 13.9 20.9#
52 4.8 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 52.388 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 62 Resp: 907936
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.6



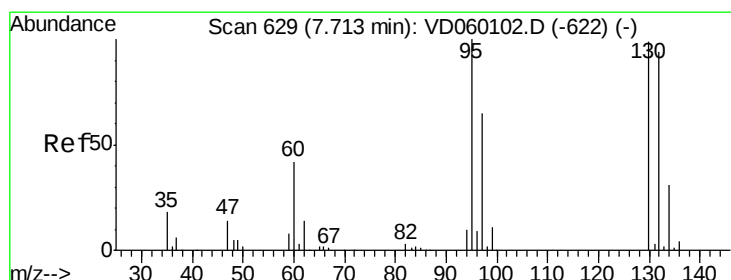
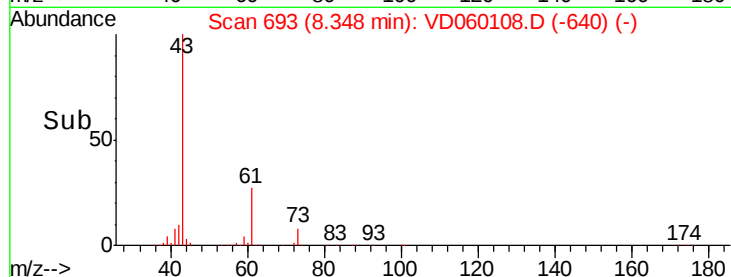
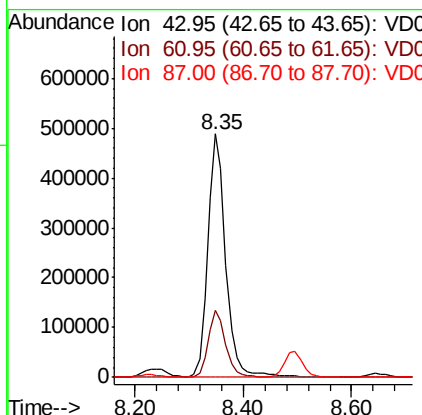
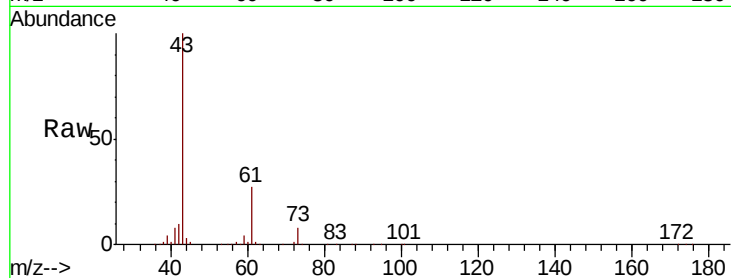


#43

Isopropyl Acetate
 Concen: 55.976 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

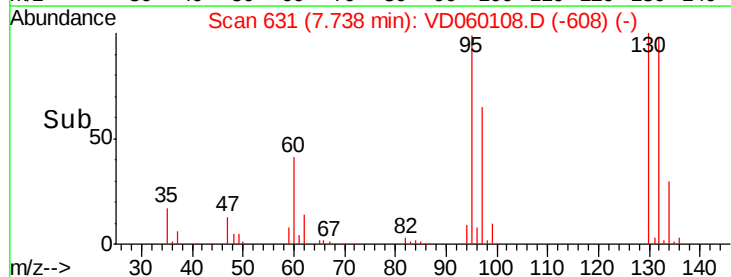
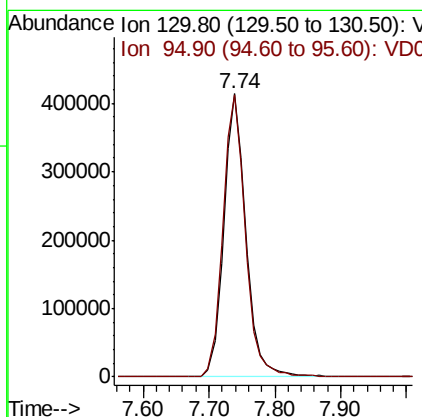
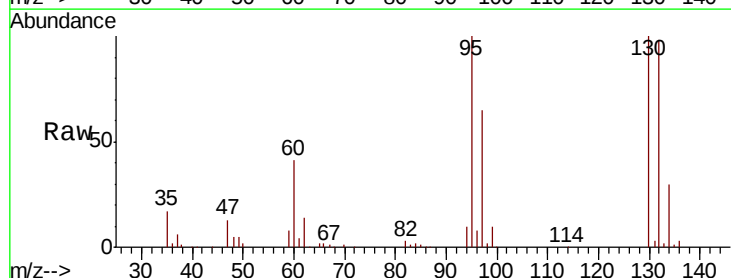
Tot Ion: 43 Resp: 1129483
 Ion Ratio Lower Upper
 43 100
 61 27.3 21.4 32.2
 87 0.2 0.2 0.2

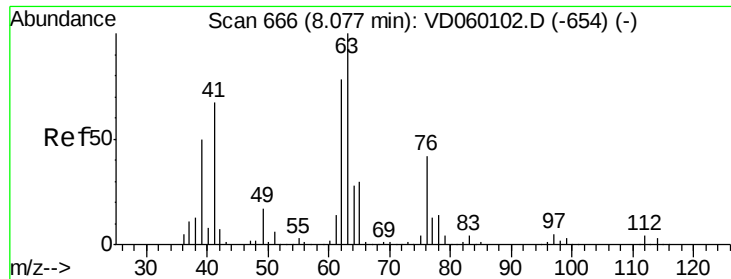


#44

Trichloroethene
 Concen: 51.902 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion:130 Resp: 971243
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 202.2

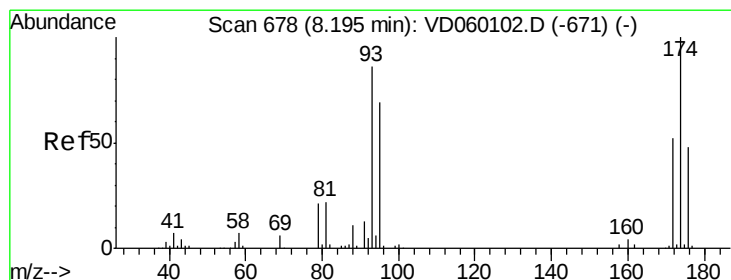
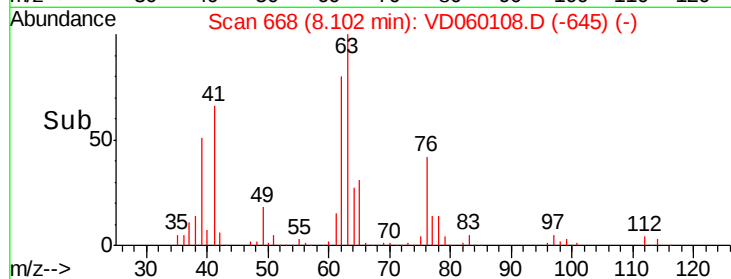
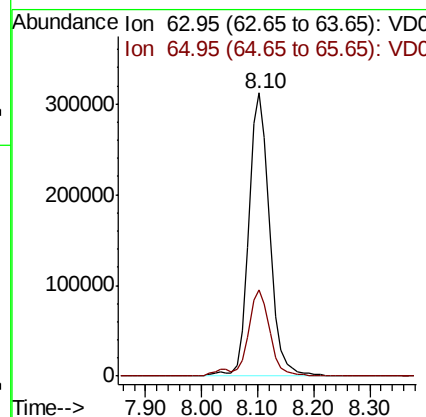
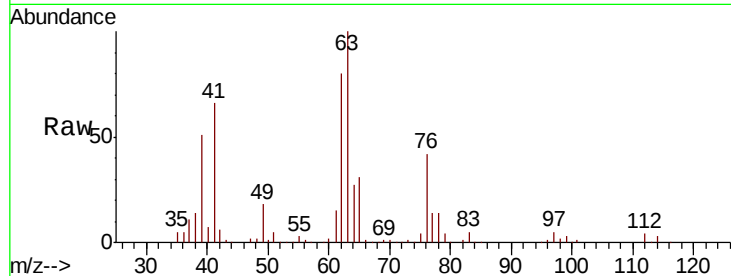




#45
 1,2-Dichloropropane
 Concen: 50.733 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

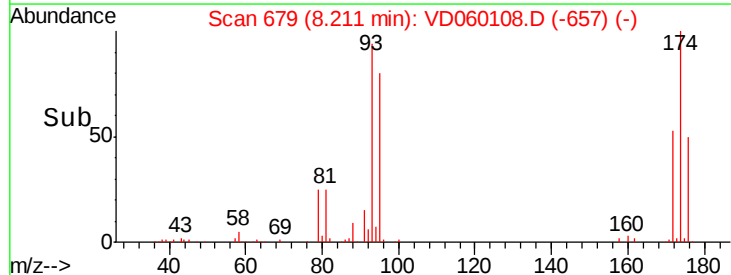
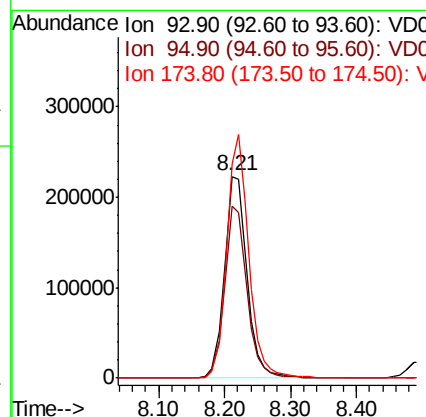
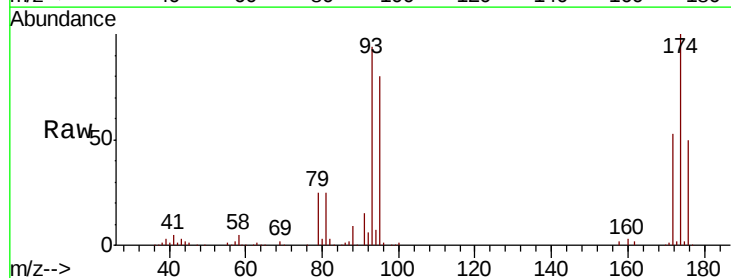
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

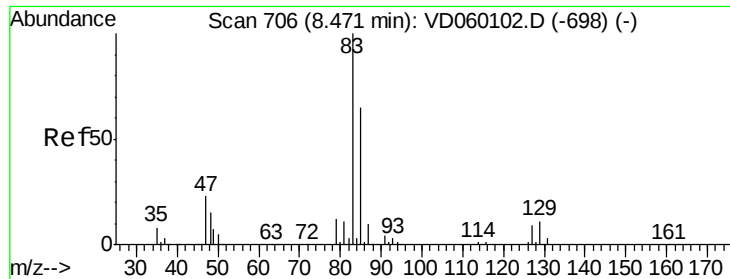
Tot Ion: 63 Resp: 803036
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.1 36.1



#46
 Dibromomethane
 Concen: 52.187 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 93 Resp: 534801
 Ion Ratio Lower Upper
 93 100
 95 85.1 63.8 95.6
 174 106.5 92.9 139.3





#47

Bromodichloromethane

Concen: 53.869 ug/l

RT: 8.50 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

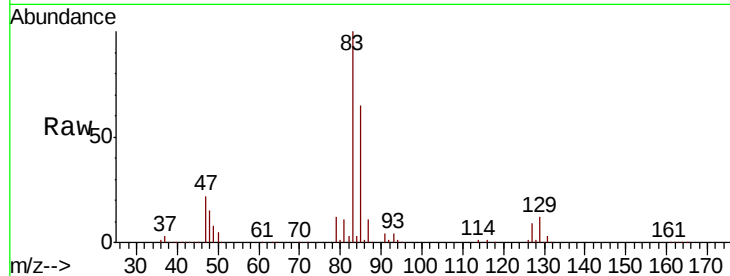
Tot Ion: 83 Resp: 1176234

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2

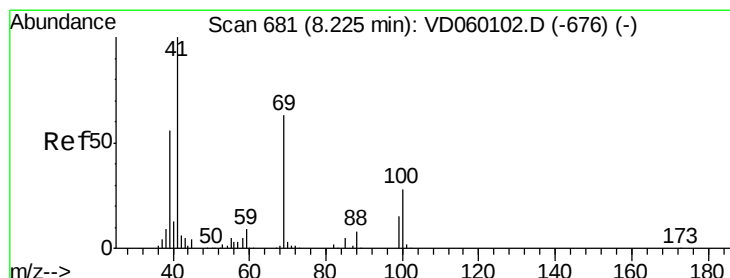
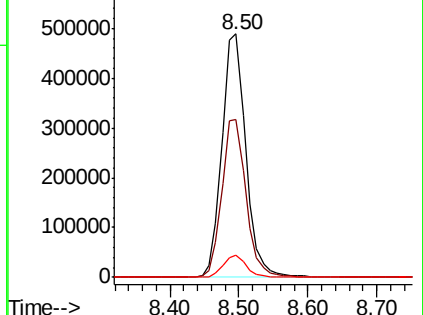
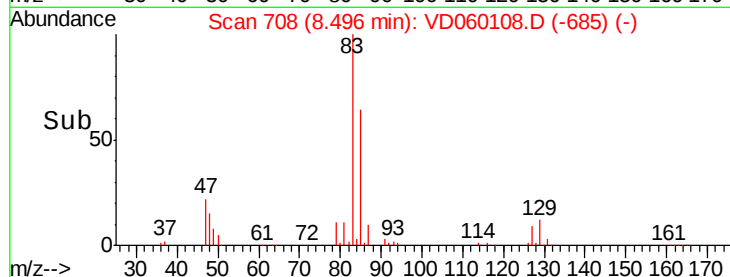
127 8.9 7.4 11.0



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: 53.347 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

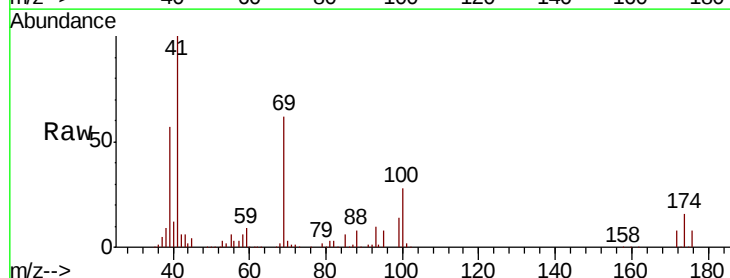
Tgt Ion: 41 Resp: 613146

Ion Ratio Lower Upper

41 100

69 62.2 49.7 74.5

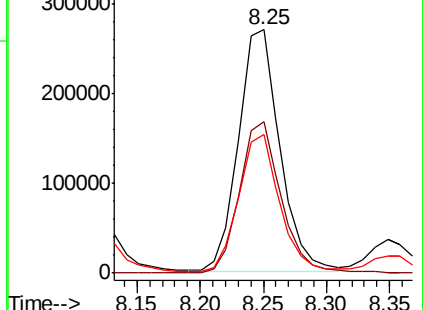
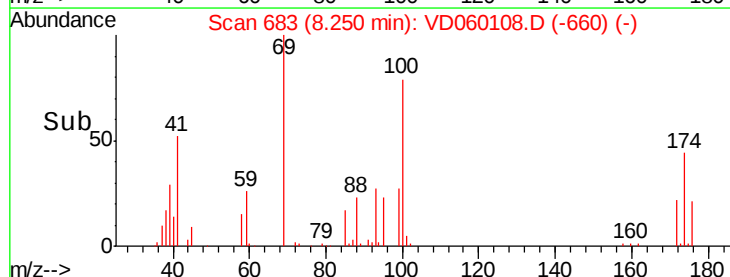
39 57.1 45.2 67.8

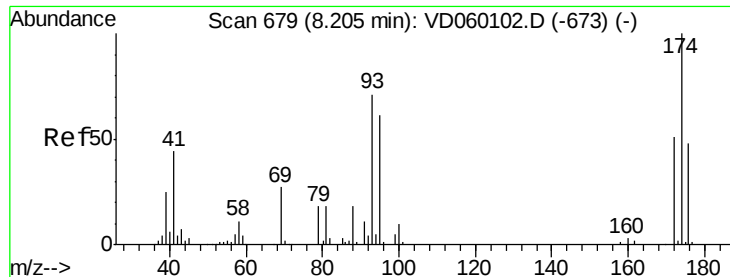


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



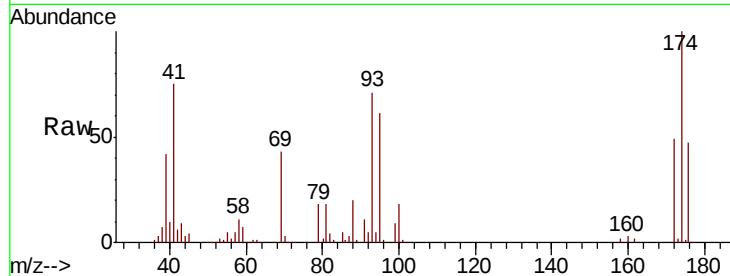


#49
 1,4-Dioxane
 Concen: 1075.152 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

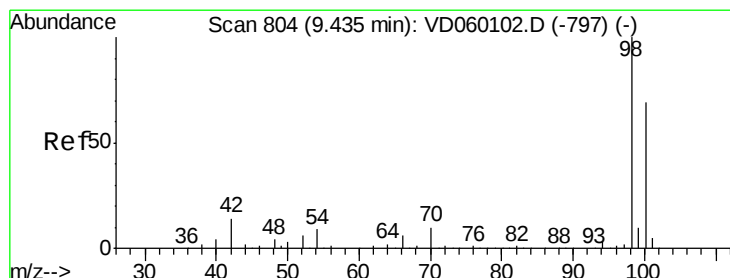
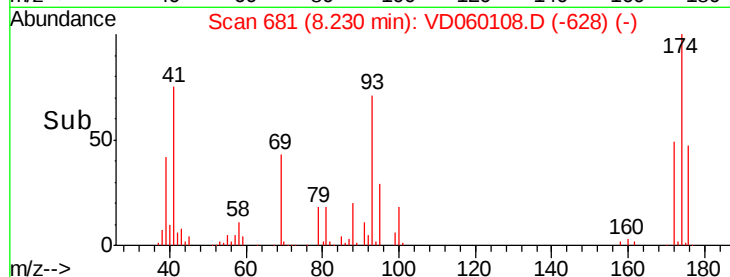
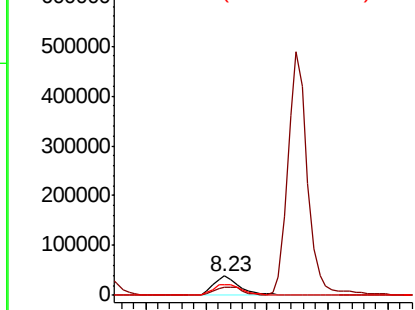
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 121587

Ion	Ratio	Lower	Upper
88	100		
43	43.7	33.7	50.5
58	58.8	49.1	73.7



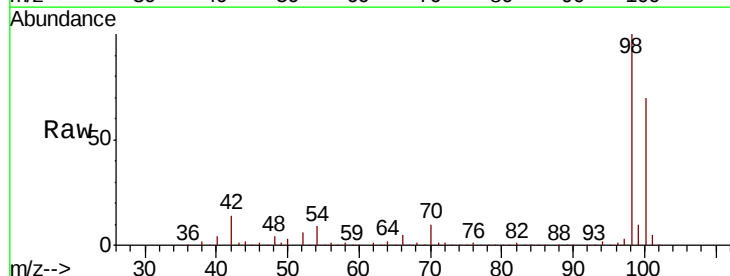
Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC



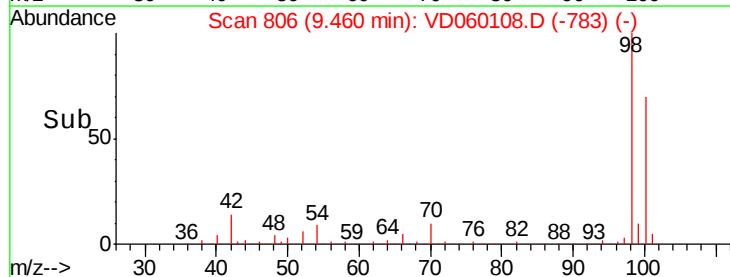
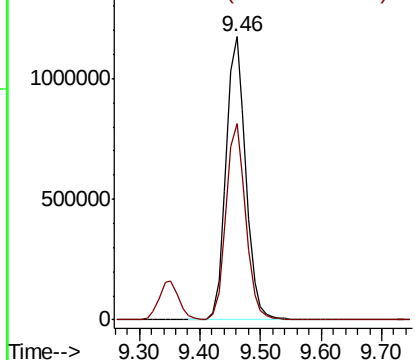
#50
 Toluene-d8
 Concen: 1075.152 ug/l
 RT: 9.46 min Scan# 806
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

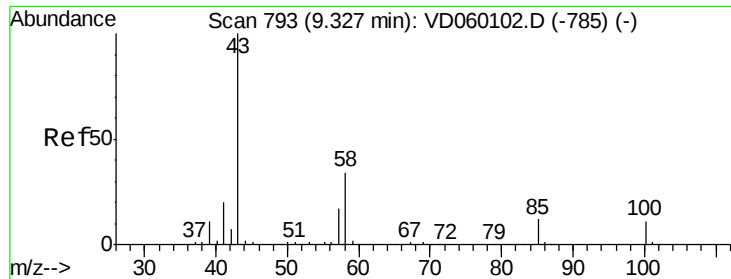
Tgt Ion: 98 Resp: 2662014

Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.4	83.0



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: 267.401 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

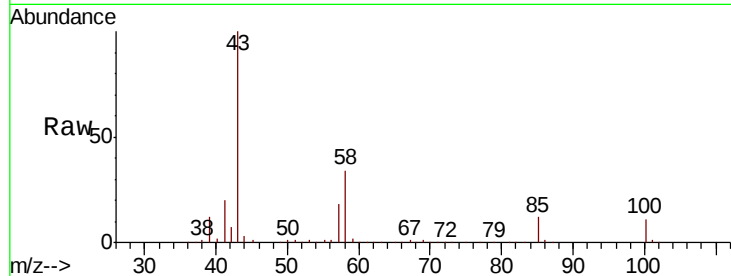
VSTDCCC050

Tot Ion: 43 Resp: 3403156

Ion Ratio Lower Upper

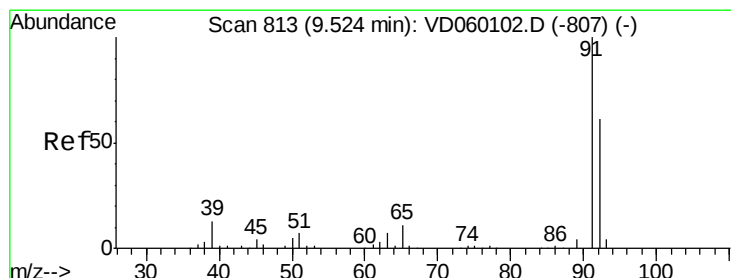
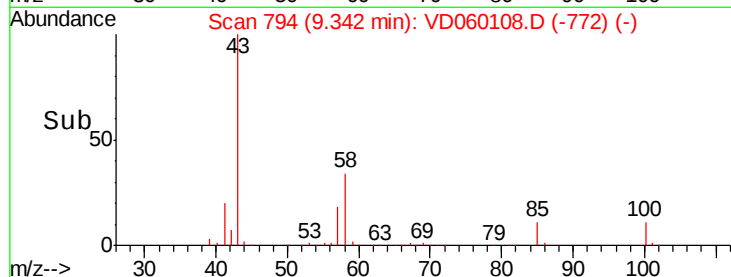
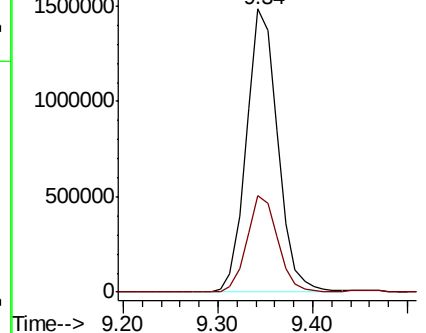
43 100

58 34.1 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.978 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.03 min

Lab File: VD060108.D

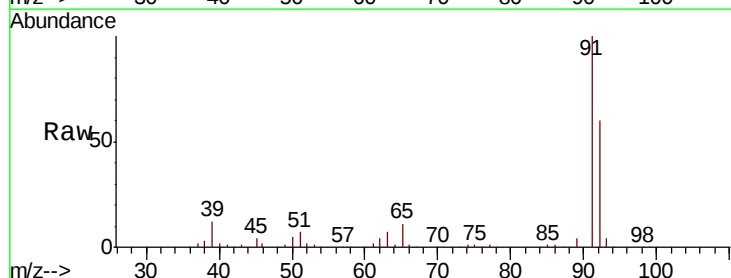
Acq: 2 Oct 2018 11:05

Tgt Ion: 92 Resp: 1984685

Ion Ratio Lower Upper

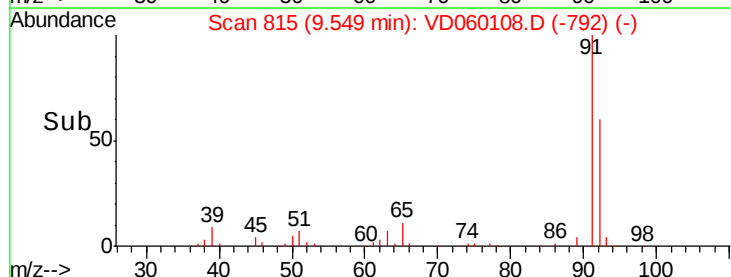
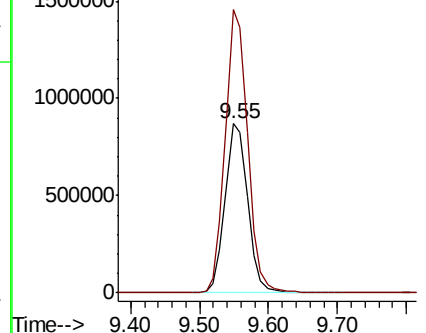
92 100

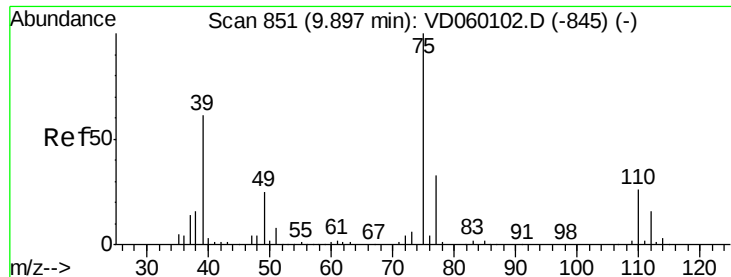
91 167.3 131.9 197.9



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: 55.093 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

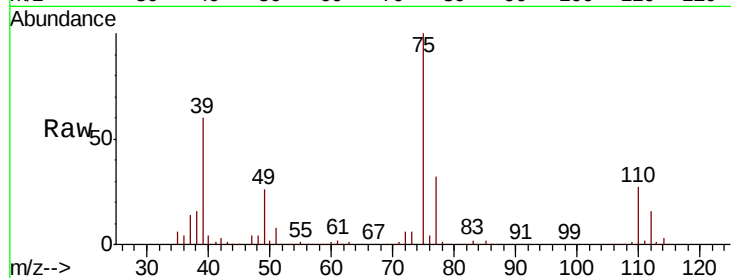
VSTDCCC050

Tot Ion: 75 Resp: 1088475

Ion Ratio Lower Upper

75 100

77 31.7 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

500000

400000

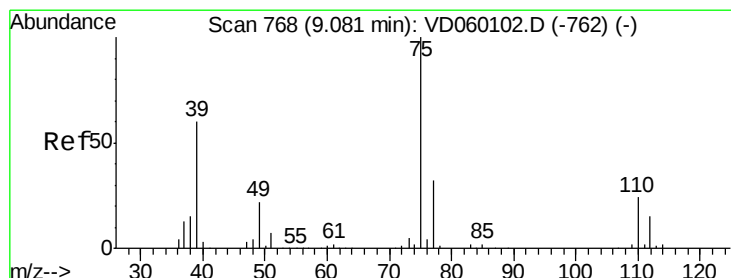
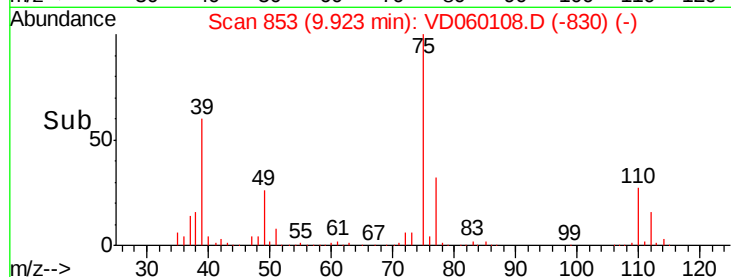
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.777 ug/l

RT: 9.11 min Scan# 770

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

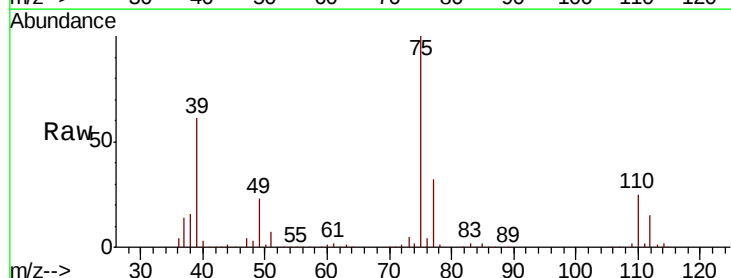
Tgt Ion: 75 Resp: 1312013

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 61.3 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

800000

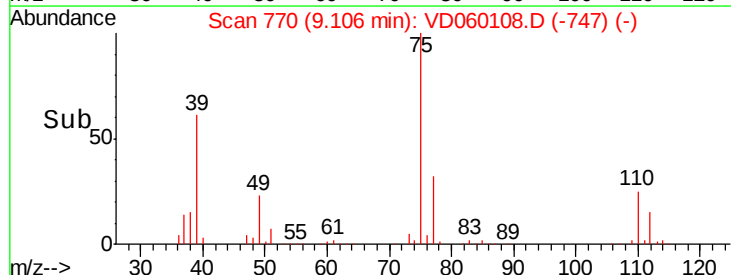
600000

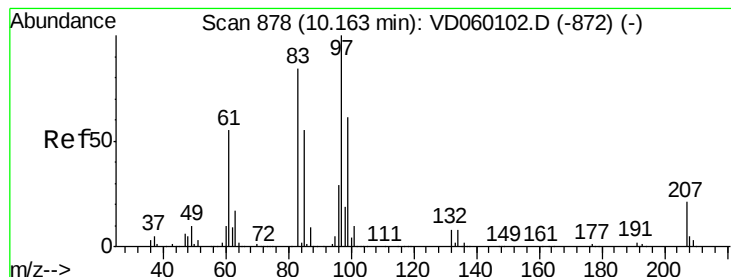
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.931 ug/l

RT: 10.19 min Scan# 880

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 673686

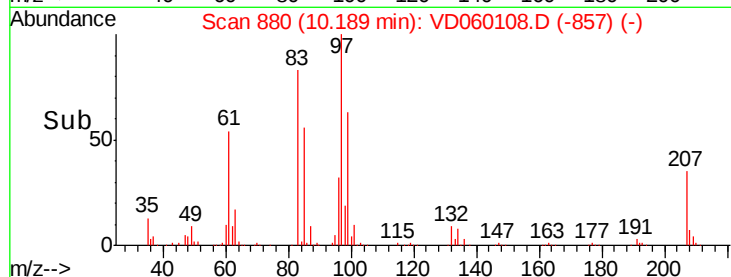
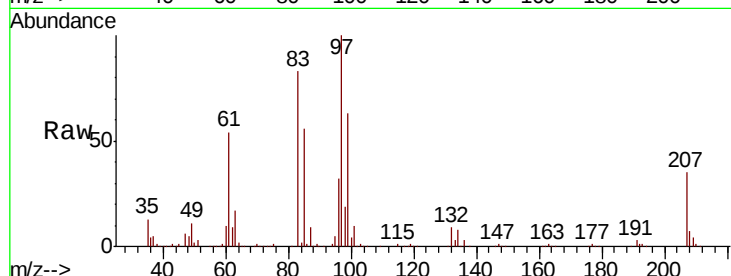
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	56.2	43.9	65.9
99	62.9	49.1	73.7

97 100

83 83.4 67.0 100.6

85 56.2 43.9 65.9

99 62.9 49.1 73.7

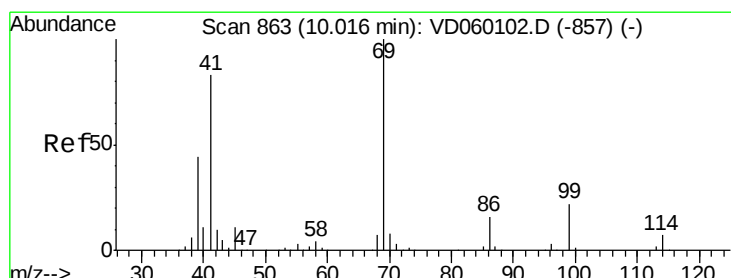
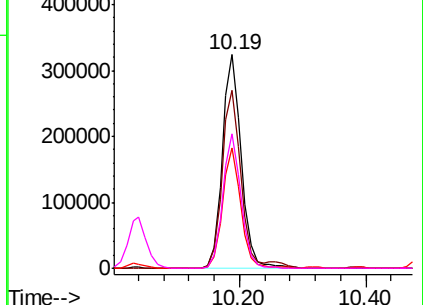


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 54.483 ug/l

RT: 10.04 min Scan# 865

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

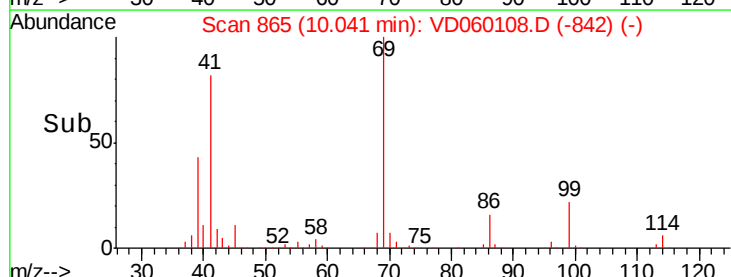
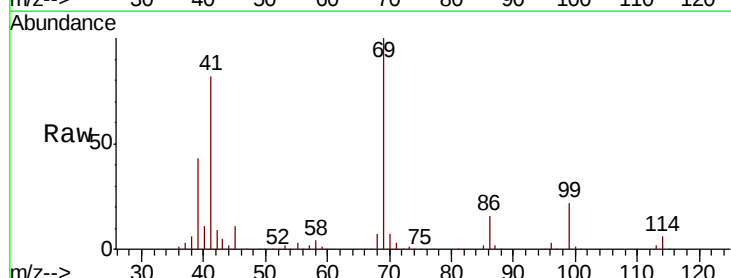
Tgt Ion: 69 Resp: 765455

Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.6	100.0
39	43.4	36.0	54.0

69 100

41 82.1 66.6 100.0

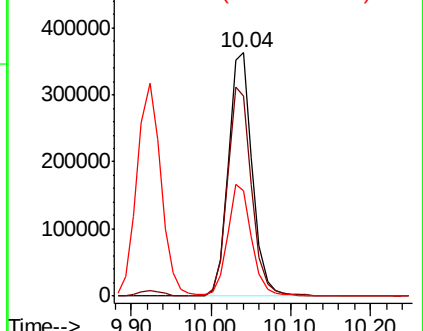
39 43.4 36.0 54.0

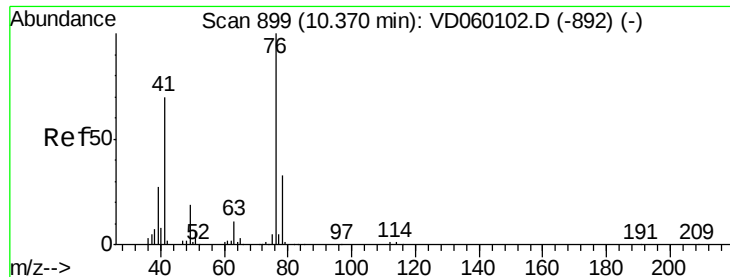


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.767 ug/l

RT: 10.39 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

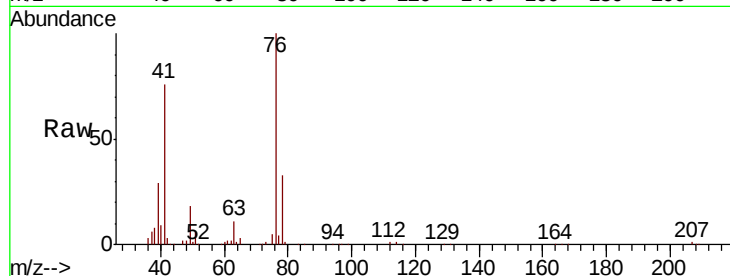
VSTDCCC050

Tot Ion: 76 Resp: 1004847

Ion Ratio Lower Upper

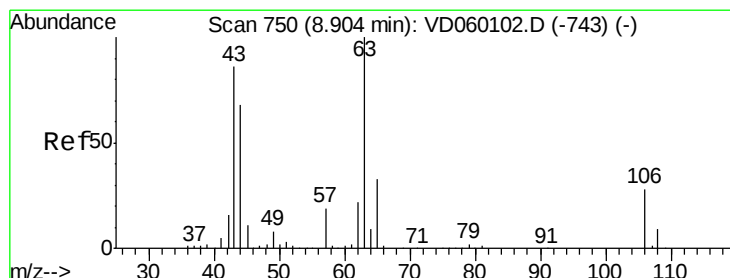
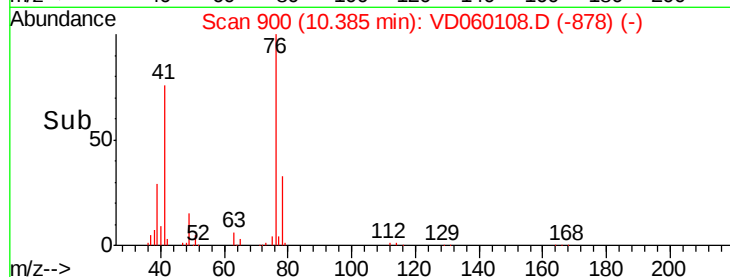
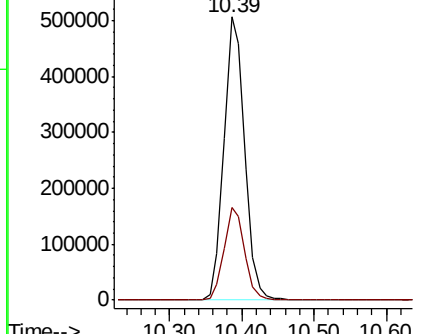
76 100

78 32.7 26.2 39.2



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: 236.915 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.03 min

Lab File: VD060108.D

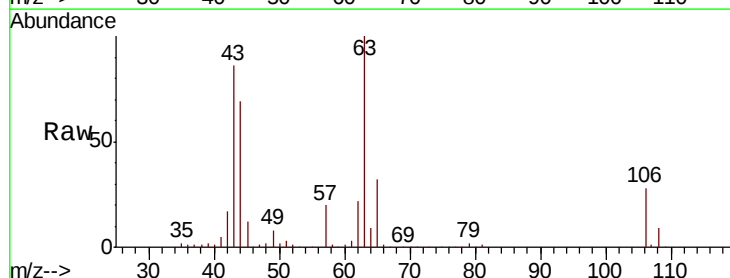
Acq: 2 Oct 2018 11:05

Tgt Ion: 63 Resp: 1848345

Ion Ratio Lower Upper

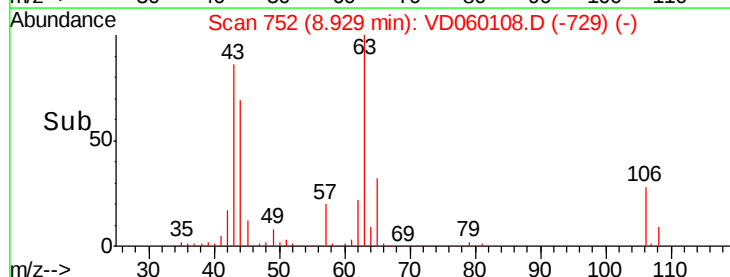
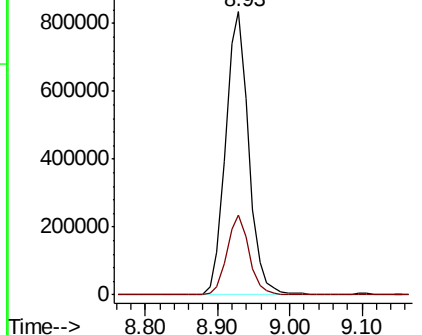
63 100

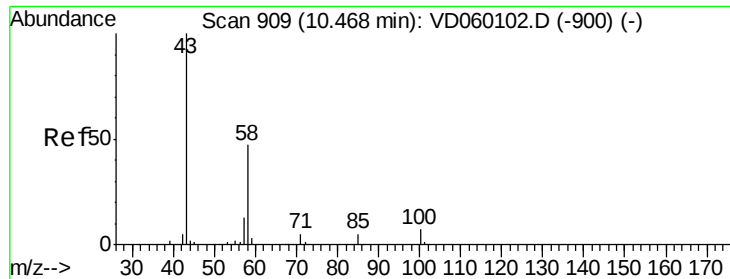
106 28.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

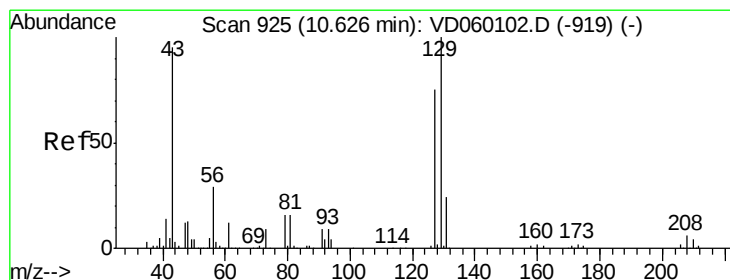
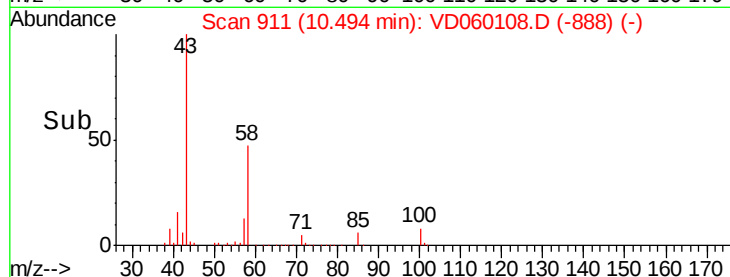
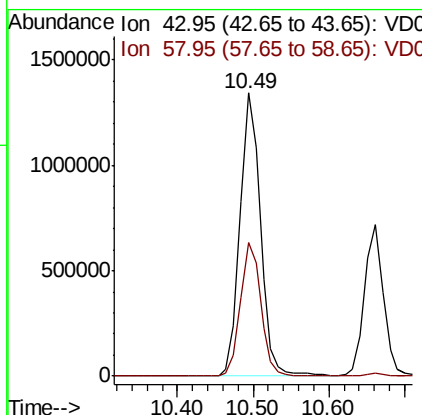
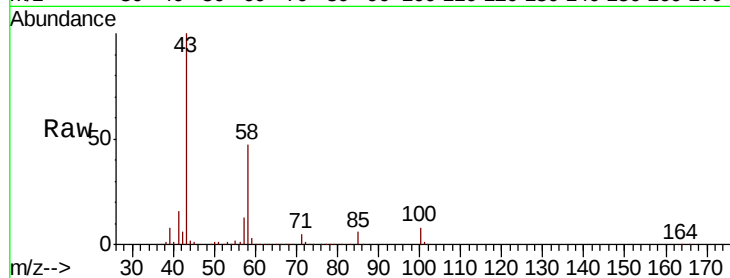




#59
2-Hexanone
Concen: 274.138 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

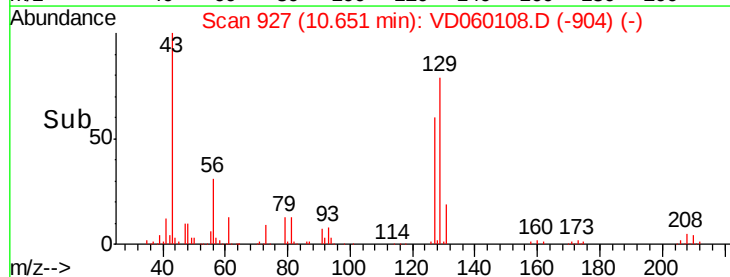
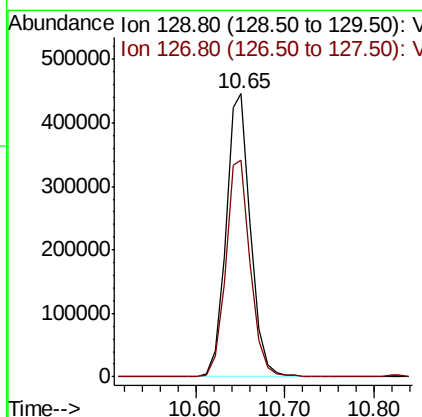
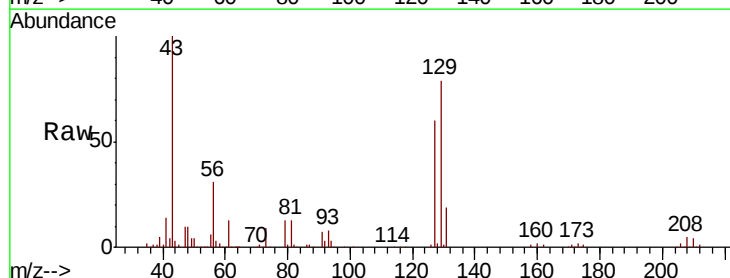
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

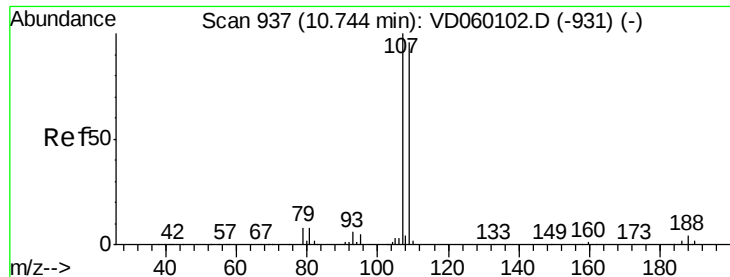
Tot Ion: 43 Resp: 2508798
Ion Ratio Lower Upper
43 100
58 47.1 23.3 69.9



#60
Dibromochloromethane
Concen: 55.184 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:129 Resp: 861746
Ion Ratio Lower Upper
129 100
127 76.4 37.4 112.2





#61

1,2-Dibromoethane

Concen: 53.012 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

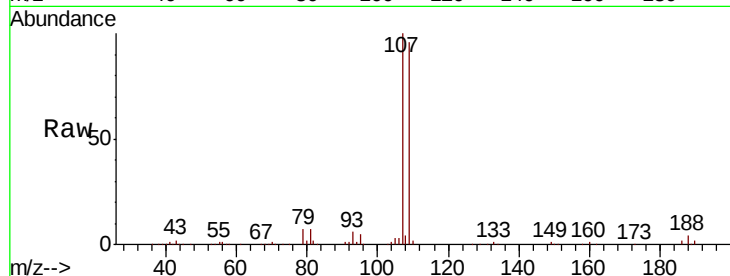
VSTDCCC050

Tot Ion:107 Resp: 716894

Ion Ratio Lower Upper

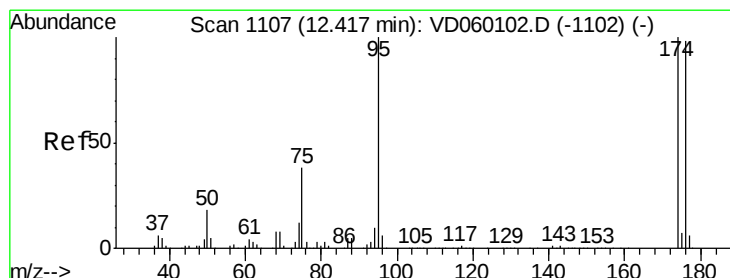
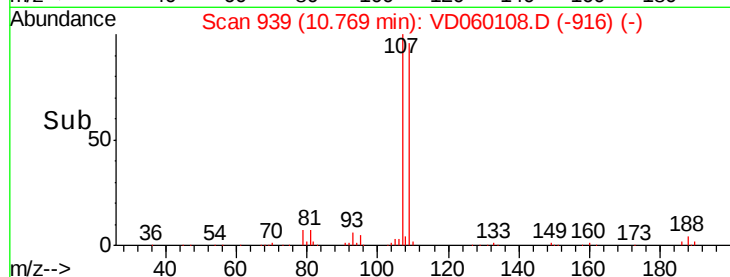
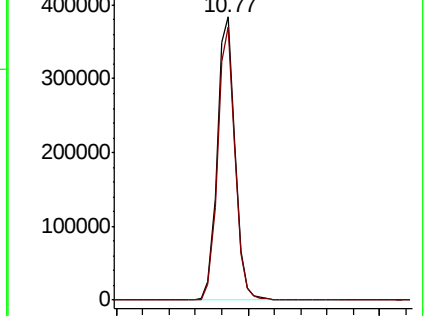
107 100

109 96.3 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.012 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

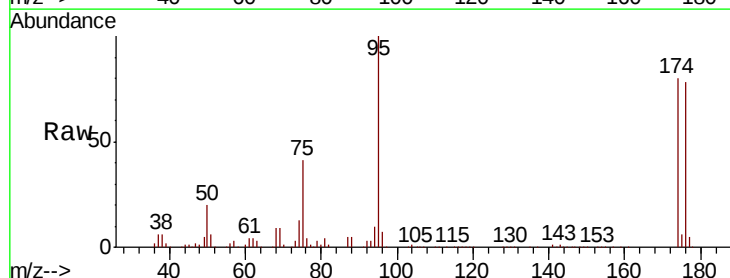
Tgt Ion: 95 Resp: 994160

Ion Ratio Lower Upper

95 100

174 80.1 0.0 200.2

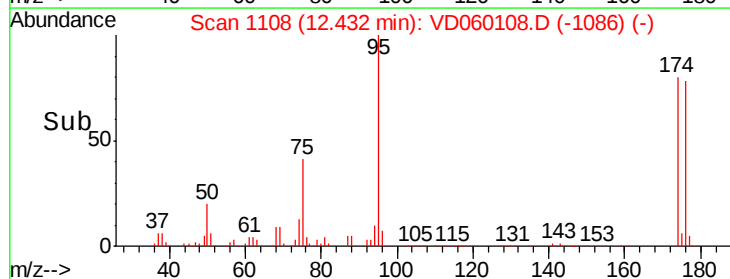
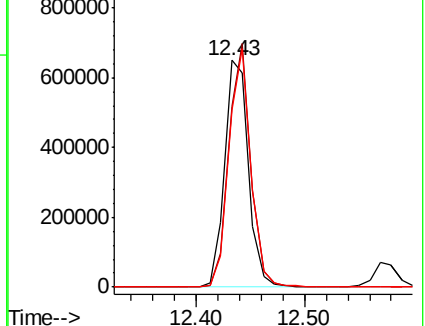
176 77.9 0.0 195.6

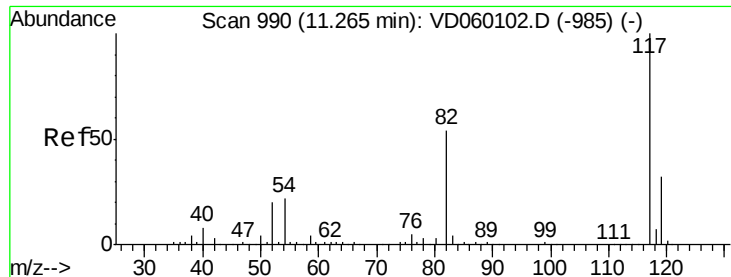


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

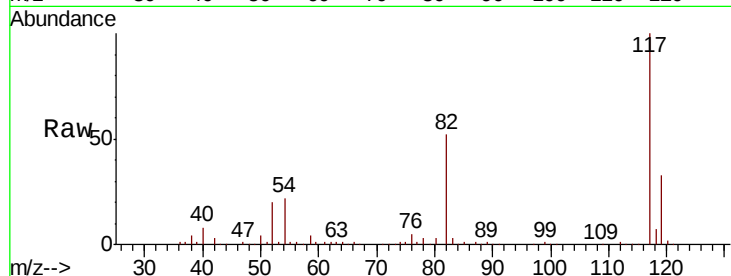




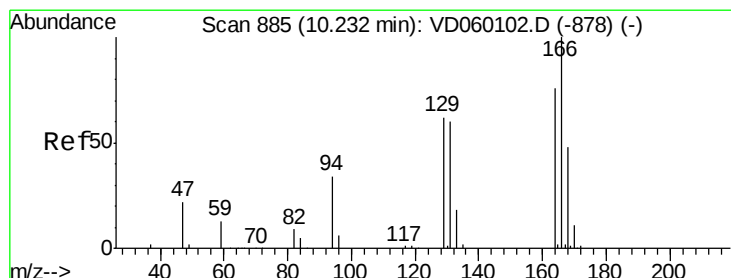
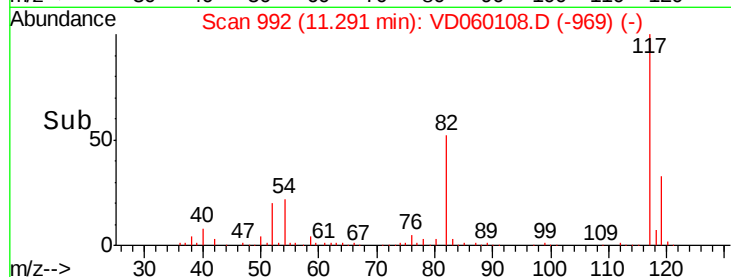
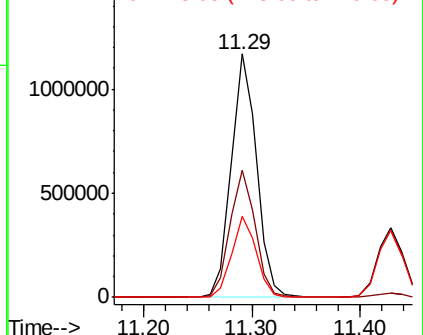
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1913398
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.2
119 33.1 26.0 39.0

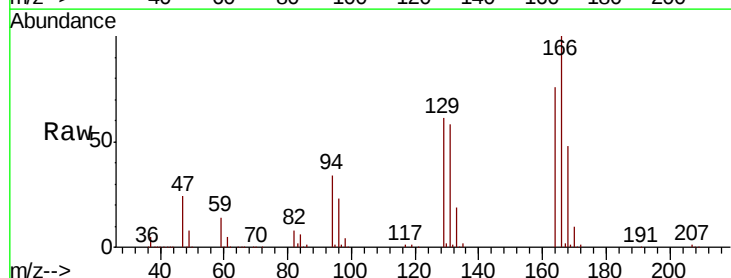


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

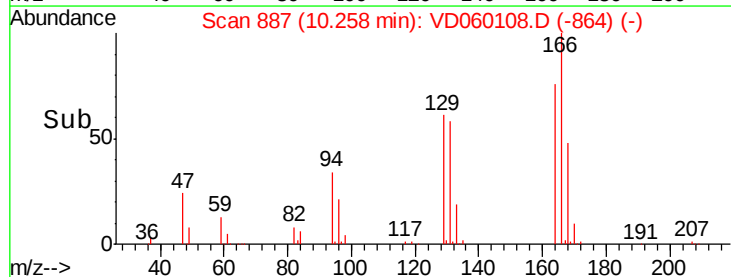
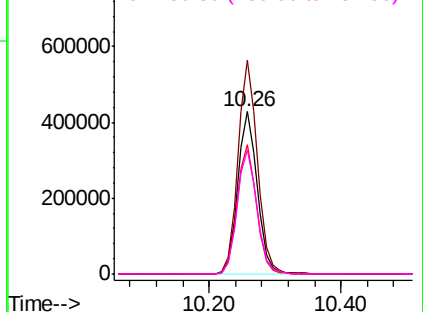


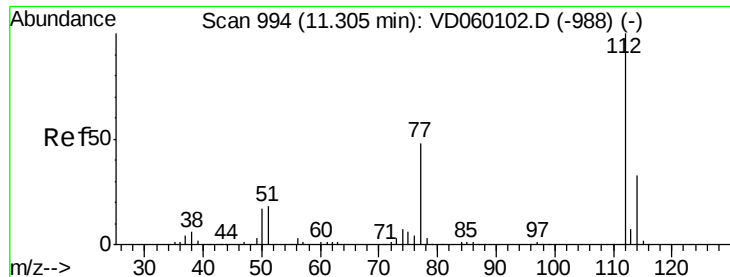
#64
Tetrachloroethene
Concen: 53.330 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:164 Resp: 893742
Ion Ratio Lower Upper
164 100
166 131.6 105.4 158.0
129 79.8 65.7 98.5
131 76.2 62.9 94.3



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

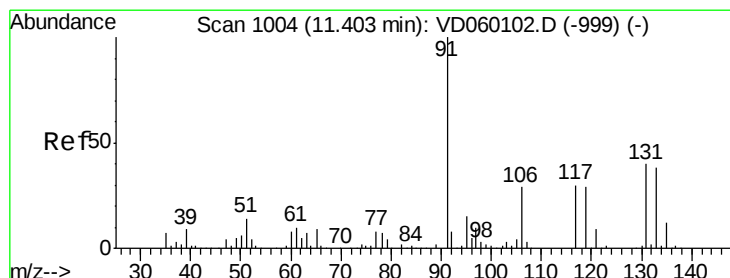
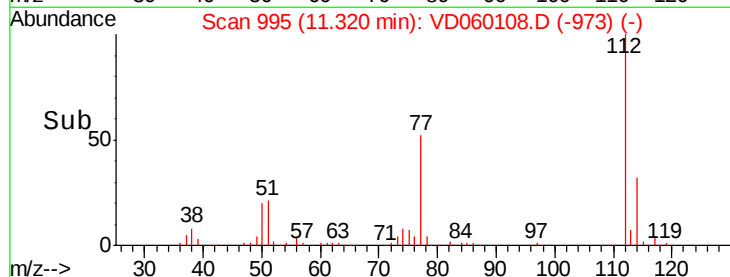
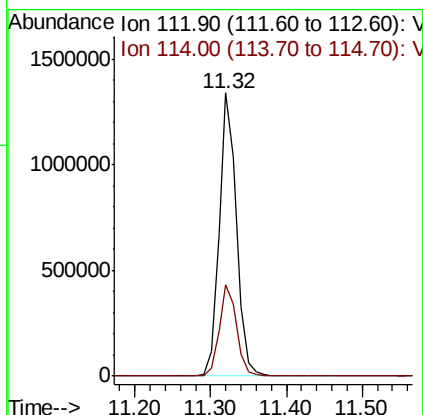
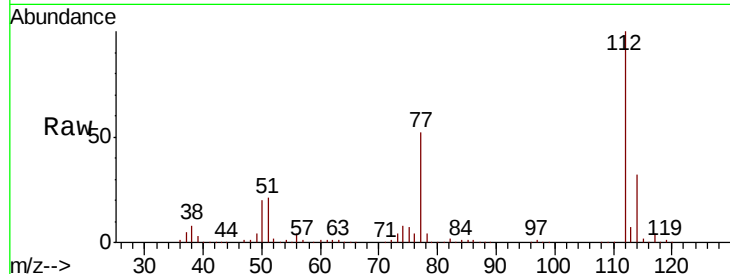




#65
Chlorobenzene
Concen: 51.690 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

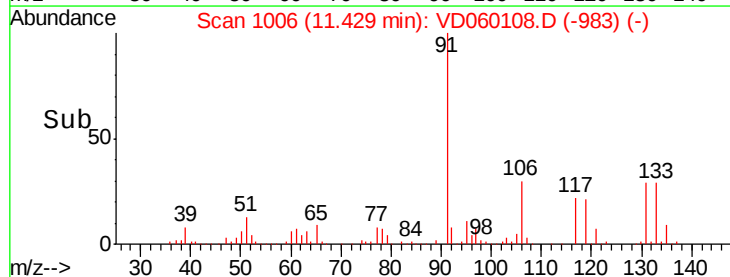
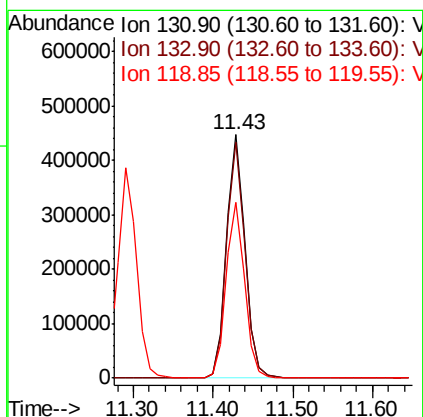
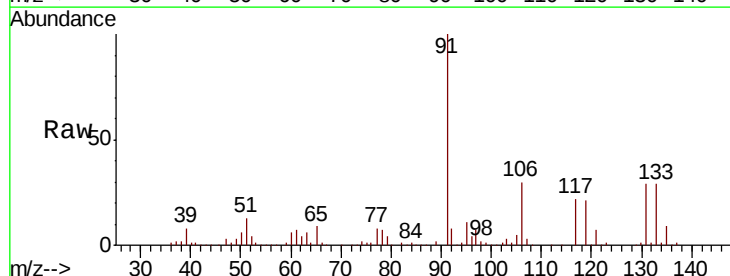
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2139635
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.280 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:131 Resp: 735740
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 72.1 36.1 108.3

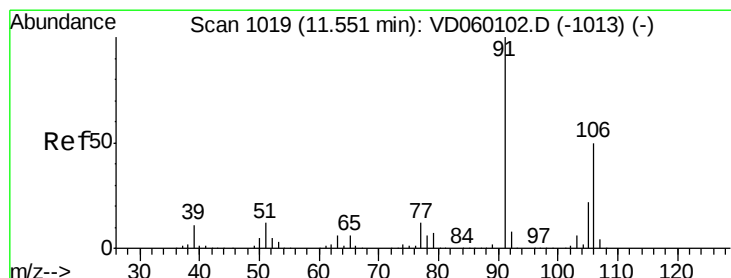
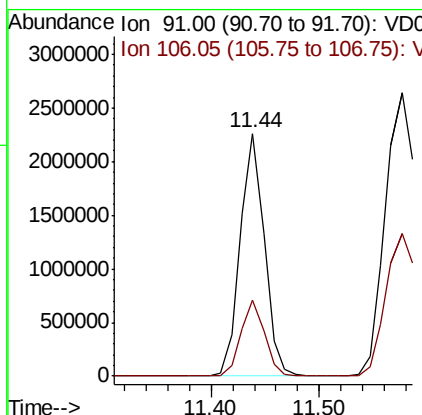
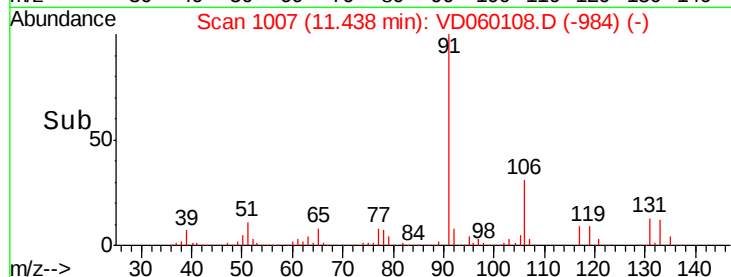
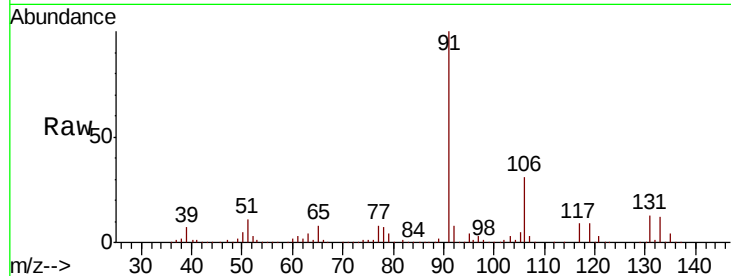




#67
Ethyl Benzene
Concen: 52.547 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

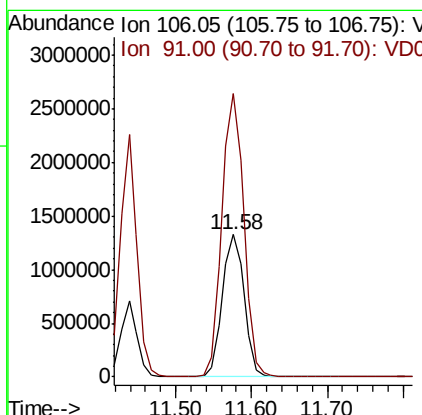
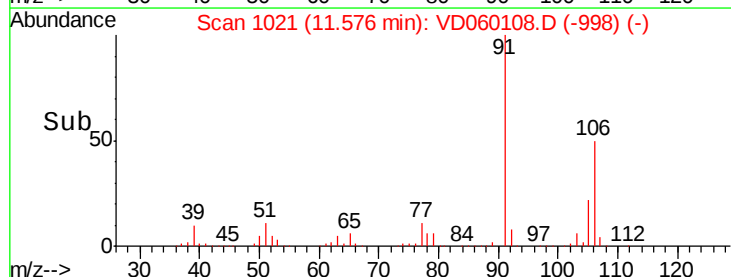
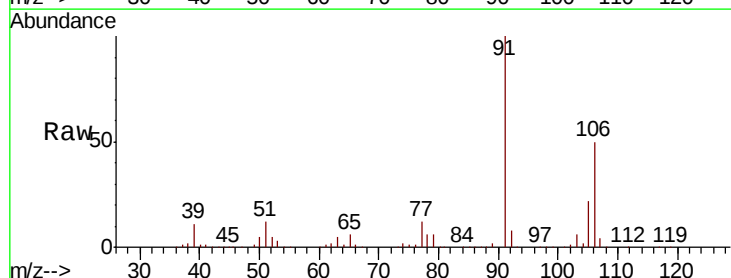
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3524074
Ion Ratio Lower Upper
91 100
106 31.4 24.4 36.6



#68
m/p-Xylenes
Concen: 105.855 ug/l
RT: 11.58 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 106 Resp: 2652539
Ion Ratio Lower Upper
106 100
91 198.6 160.0 240.0

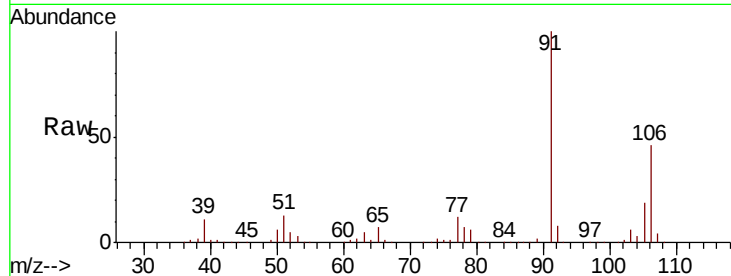




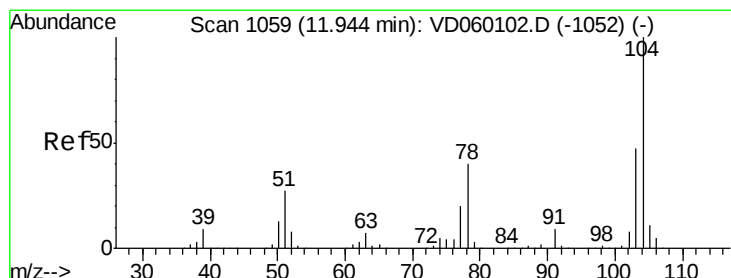
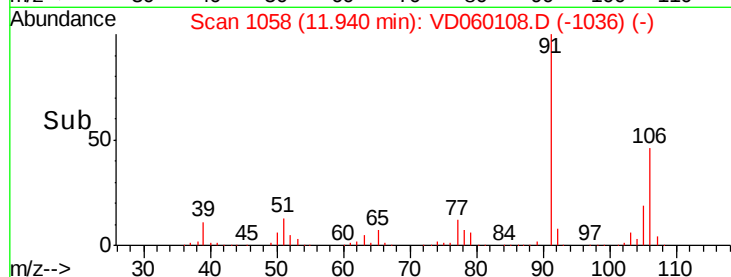
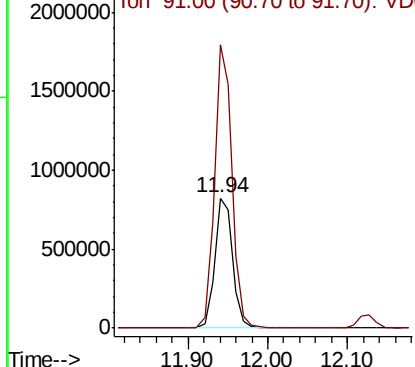
#69
o-Xylene
Concen: 52.251 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1295088
Ion Ratio Lower Upper
106 100
91 217.1 102.5 307.5

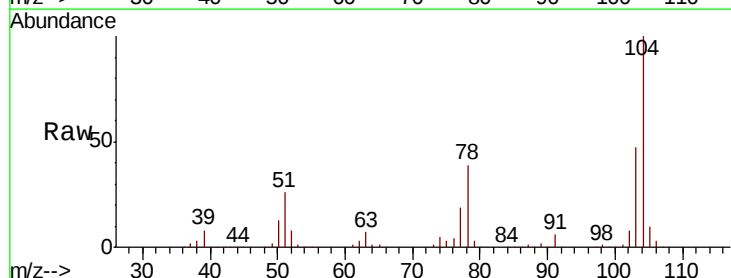


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

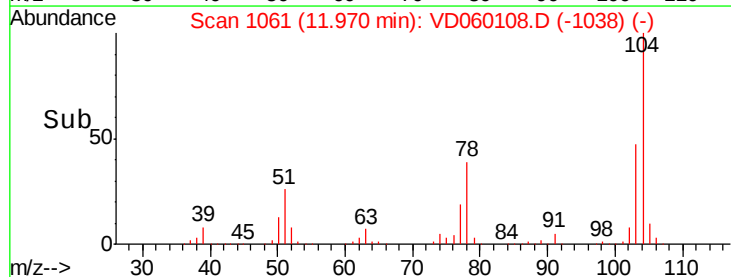
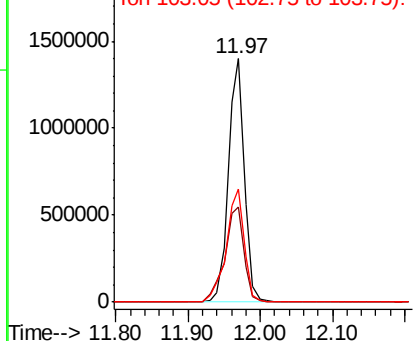


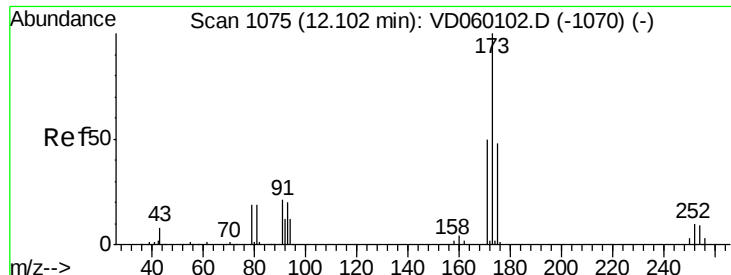
#70
Styrene
Concen: 51.720 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:104 Resp: 2143750
Ion Ratio Lower Upper
104 100
78 39.3 32.2 48.4
103 46.6 37.4 56.0



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





#71

Bromoform

Concen: 57.105 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

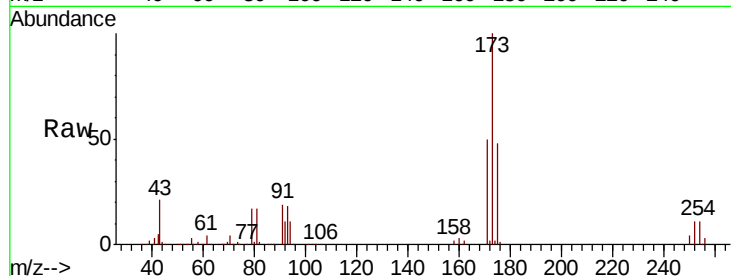
Tot Ion:173 Resp: 638540

Ion Ratio Lower Upper

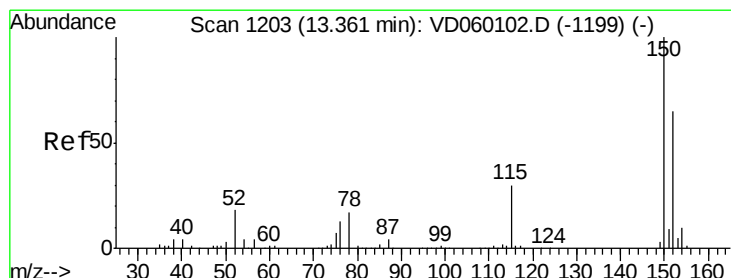
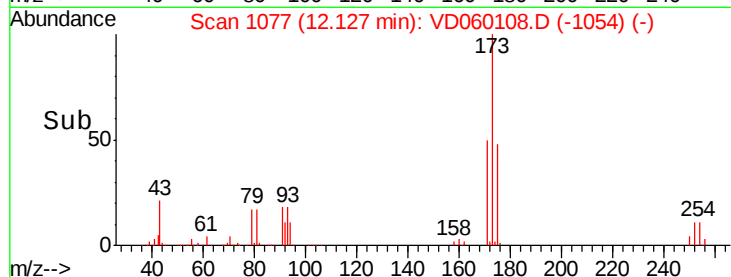
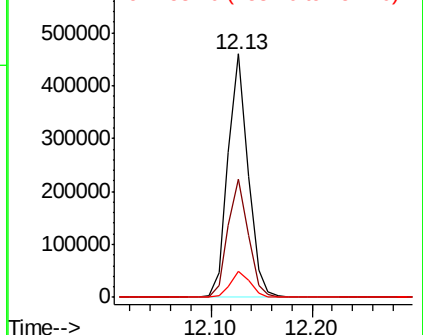
173 100

175 48.3 24.1 72.4

254 10.5 7.4 11.0



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: 13.39 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

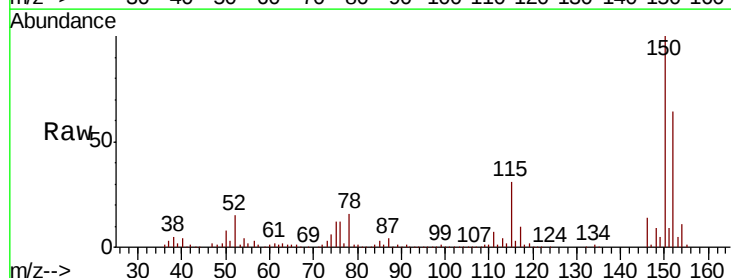
Tgt Ion:152 Resp: 1019385

Ion Ratio Lower Upper

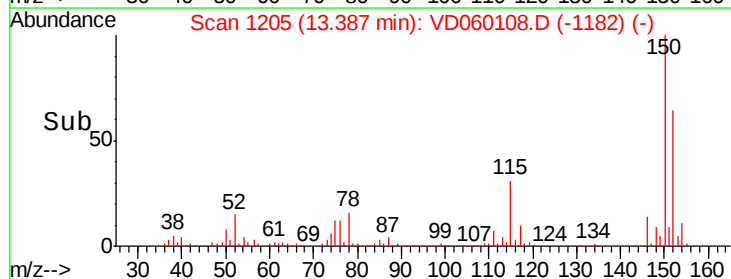
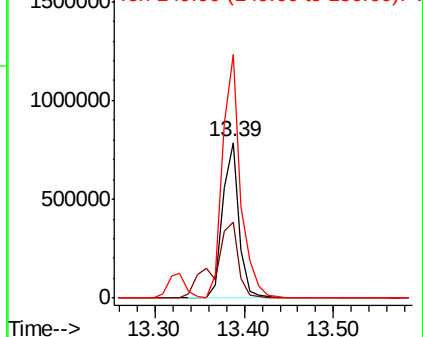
152 100

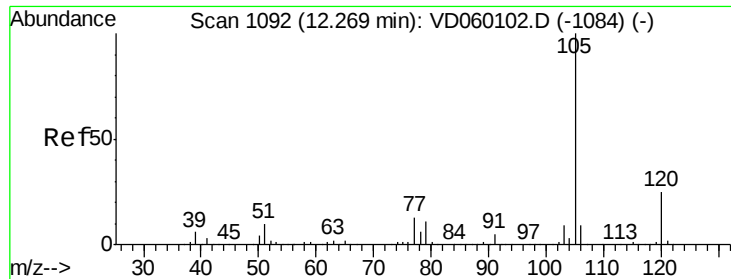
115 49.1 27.1 81.2

150 156.3 0.0 311.8



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





#73

Isopropylbenzene

Concen: 53.513 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

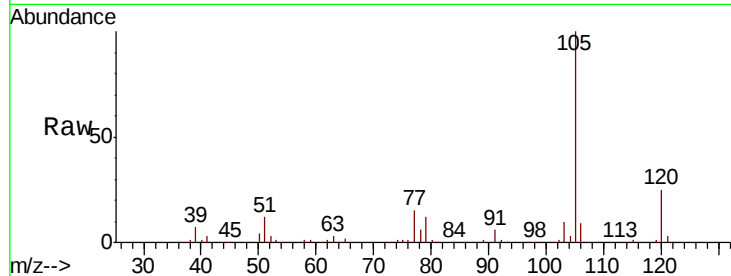
VSTDCCC050

Tot Ion:105 Resp: 3598803

Ion Ratio Lower Upper

105 100

120 24.8 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

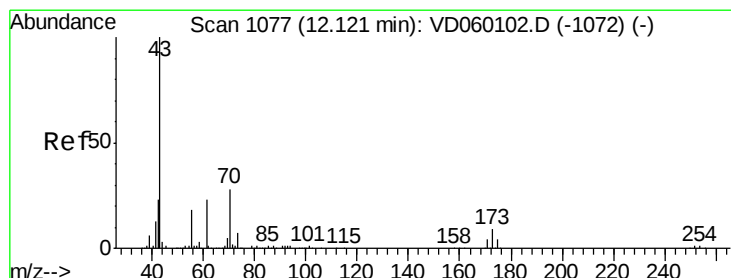
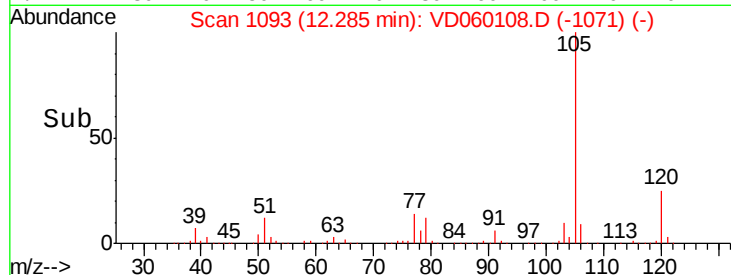
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 54.857 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tgt Ion: 43 Resp: 1351314

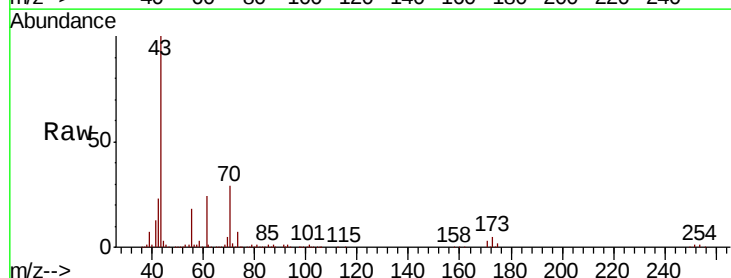
Ion Ratio Lower Upper

43 100

70 29.3 22.1 33.1

55 17.8 14.1 21.1

61 23.7 18.4 27.6



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

1500000

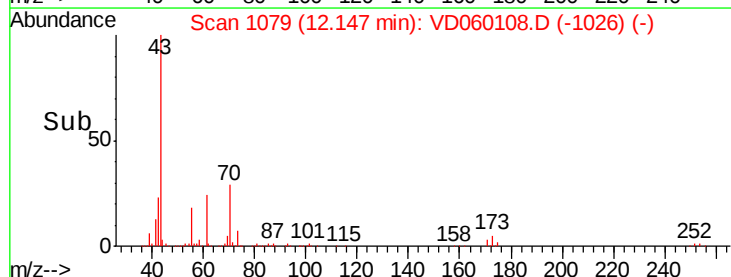
1000000

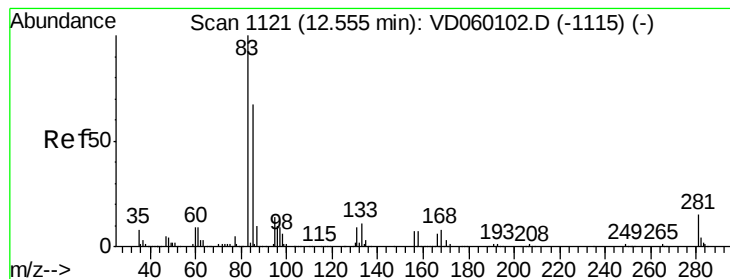
500000

0

12.00 12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.704 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

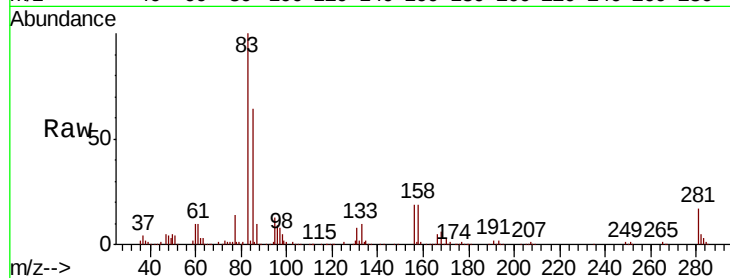
Tot Ion: 83 Resp: 788473

Ion Ratio Lower Upper

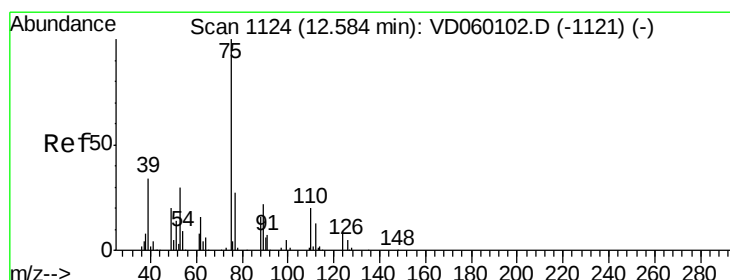
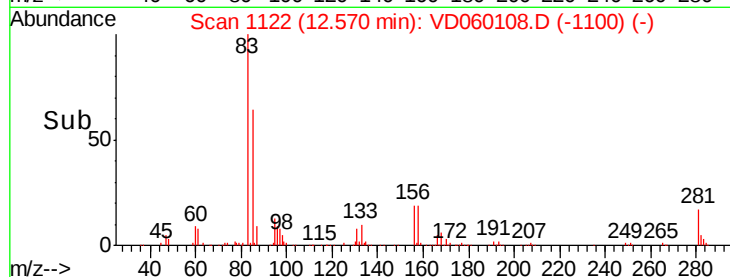
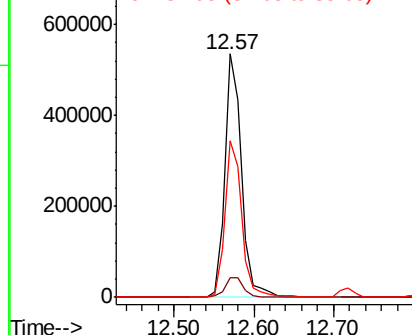
83 100

131 8.1 4.5 13.4

85 64.2 33.3 99.9



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: 54.808 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.03 min

Lab File: VD060108.D

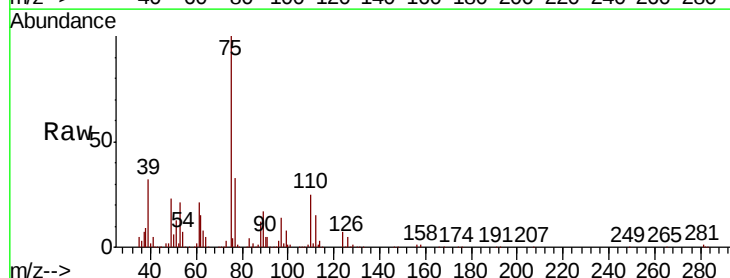
Acq: 2 Oct 2018 11:05

Tgt Ion: 75 Resp: 804603

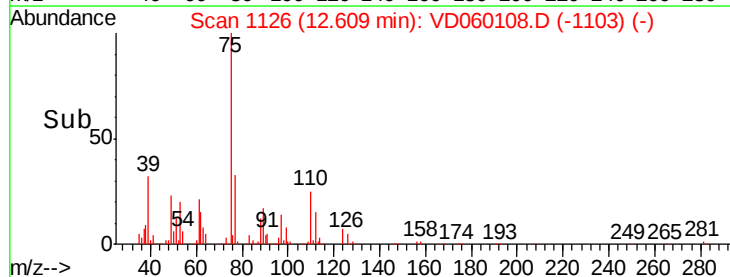
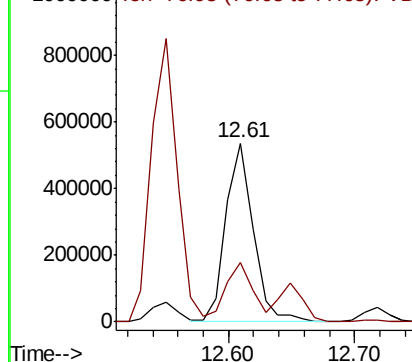
Ion Ratio Lower Upper

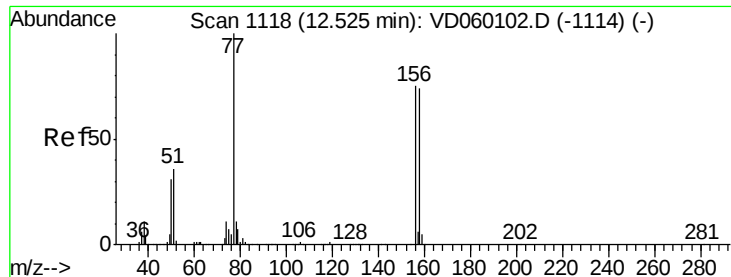
75 100

77 33.2 16.3 48.9



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





#77

Bromobenzene

Concen: 51.795 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

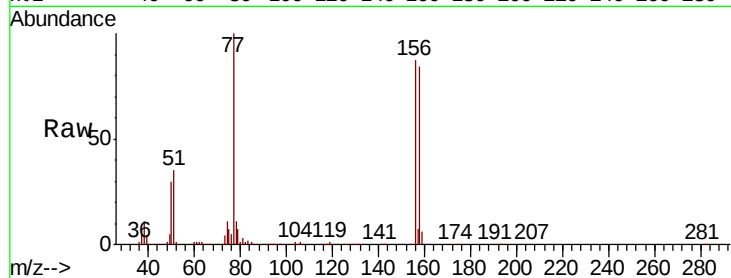
Tot Ion:156 Resp: 1012199

Ion Ratio Lower Upper

156 100

77 115.0 66.9 200.7

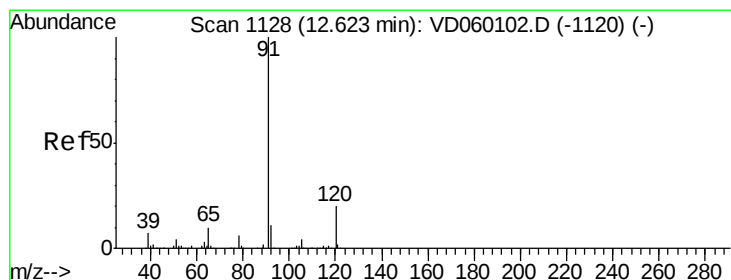
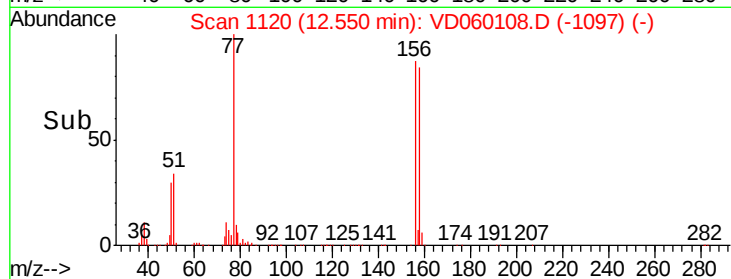
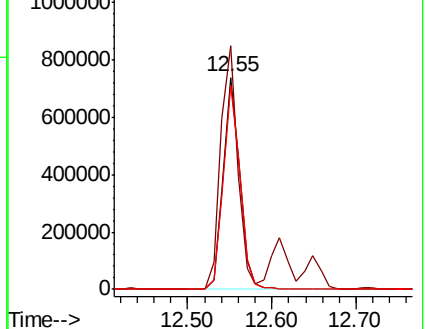
158 96.3 49.1 147.4



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: 52.213 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.03 min

Lab File: VD060108.D

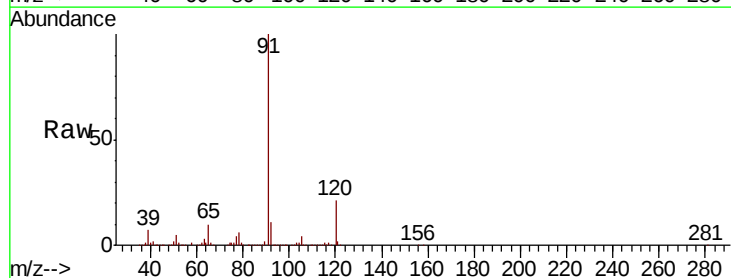
Acq: 2 Oct 2018 11:05

Tgt Ion: 91 Resp: 4360068

Ion Ratio Lower Upper

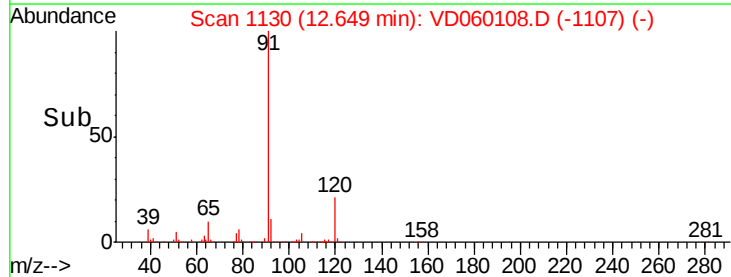
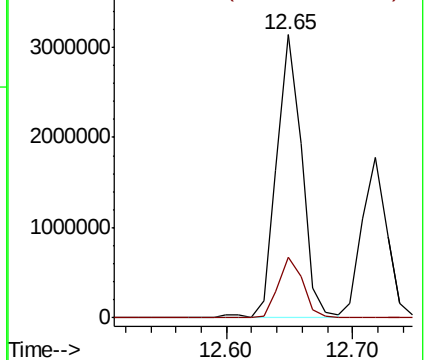
91 100

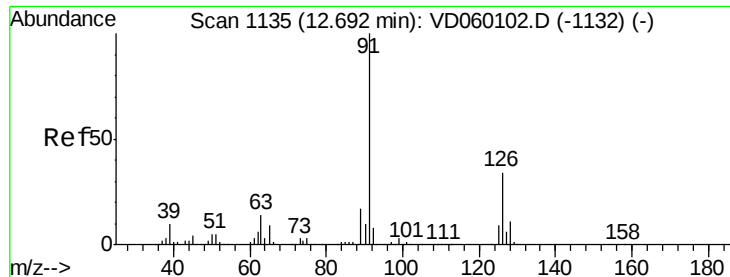
120 21.4 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

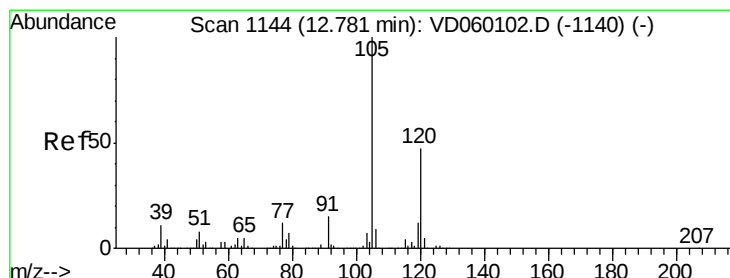
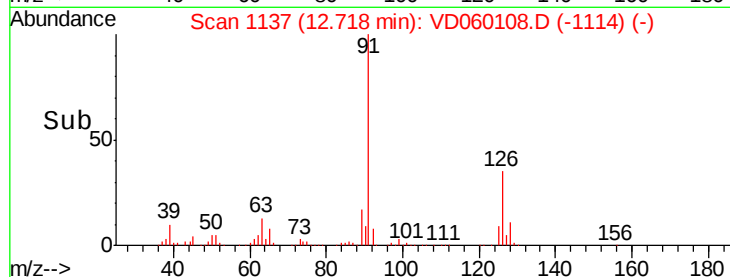
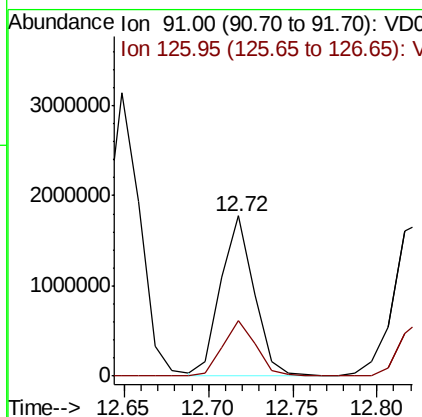
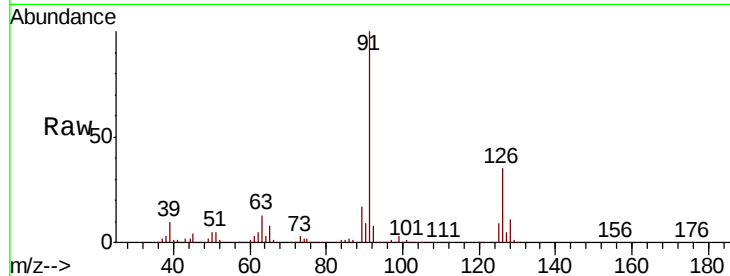




#79
 2-Chlorotoluene
 Concen: 52.094 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

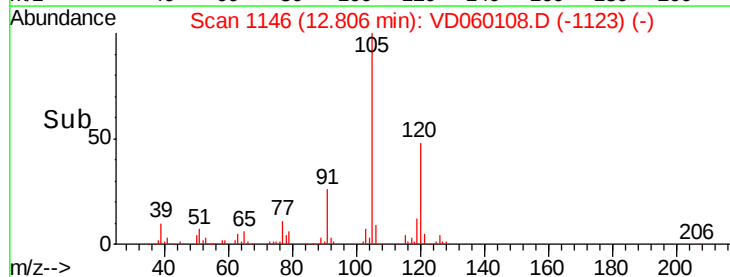
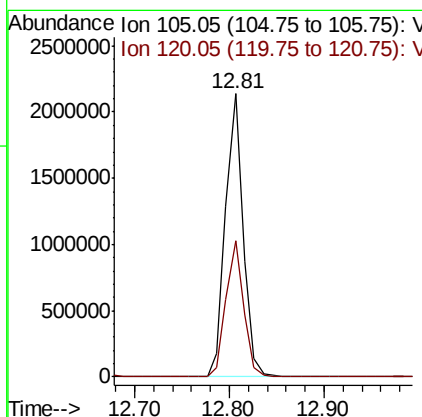
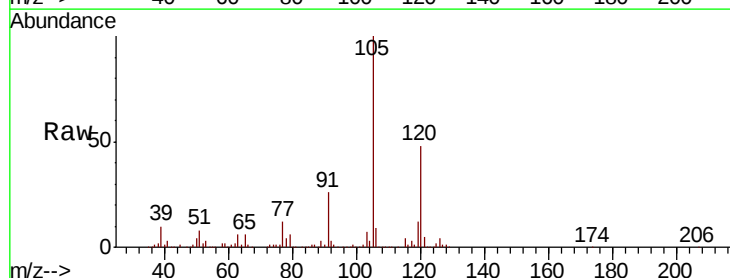
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

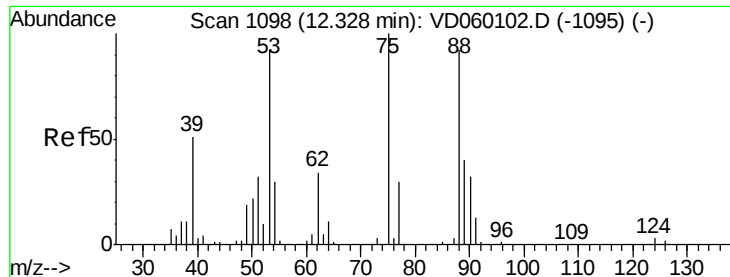
Tot Ion: 91 Resp: 2414356
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.955 ug/l
 RT: 12.81 min Scan# 1146
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 105 Resp: 2756235
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 58.429 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

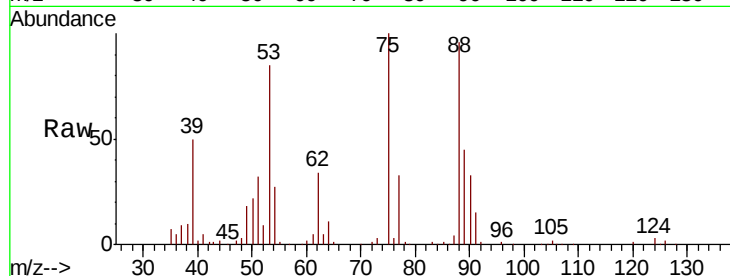
Tot Ion: 75 Resp: 241020

Ion Ratio Lower Upper

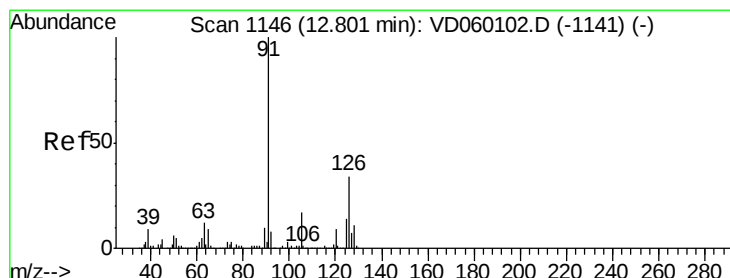
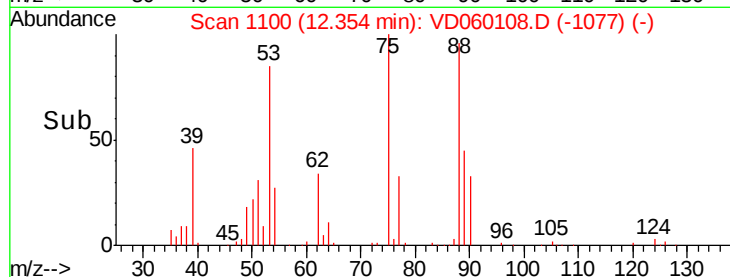
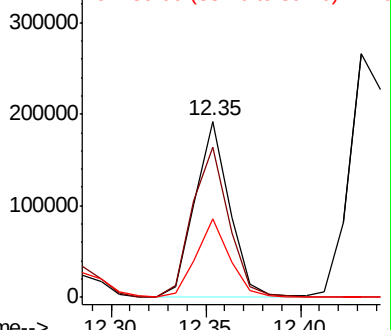
75 100

53 85.2 73.0 109.6

89 44.6 32.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.664 ug/l

RT: 12.83 min Scan# 1148

Delta R.T. 0.03 min

Lab File: VD060108.D

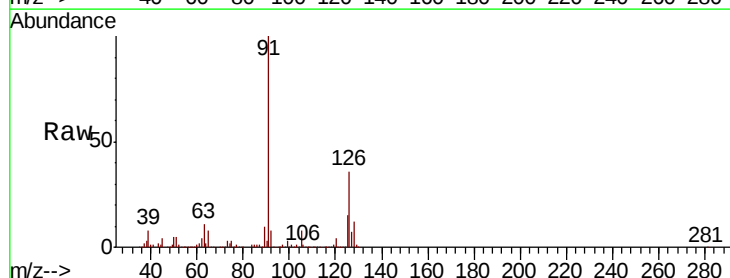
Acq: 2 Oct 2018 11:05

Tgt Ion: 91 Resp: 2708234

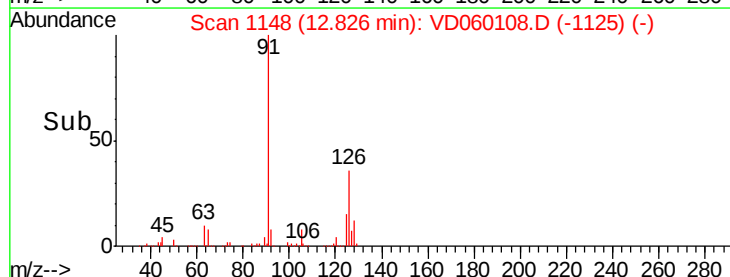
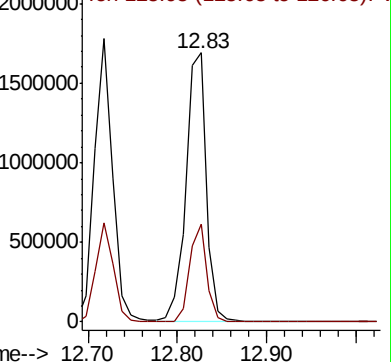
Ion Ratio Lower Upper

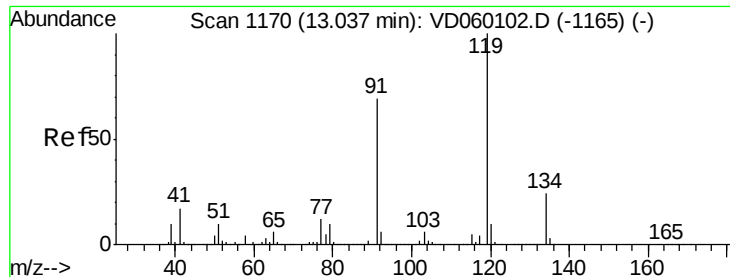
91 100

126 36.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

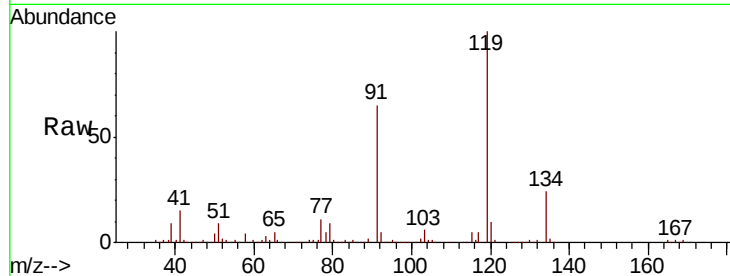




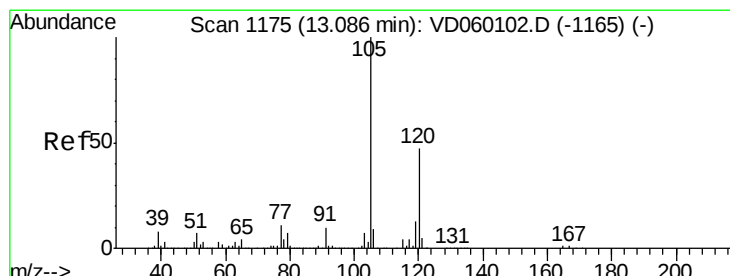
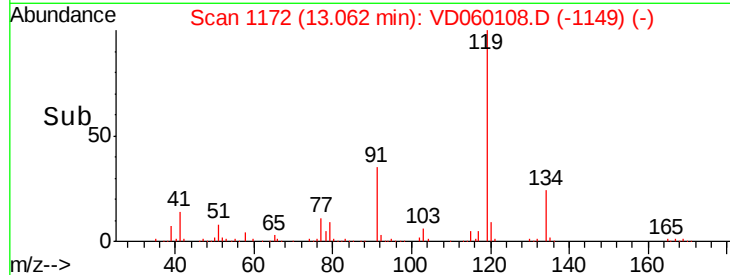
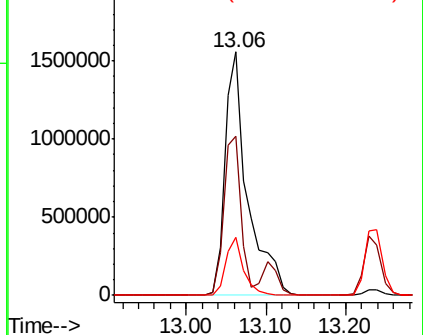
#83
 tert-Butylbenzene
 Concen: 51.872 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3098212
 Ion Ratio Lower Upper
 119 100
 91 65.3 34.8 104.4
 134 23.6 11.8 35.4

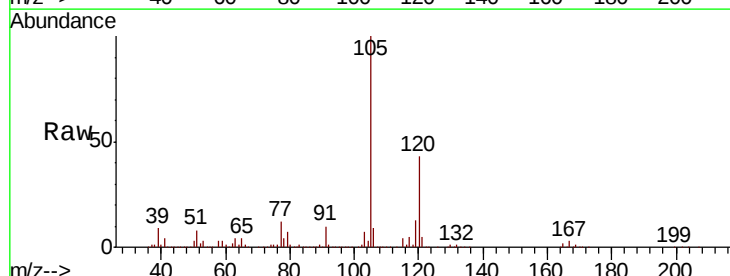


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

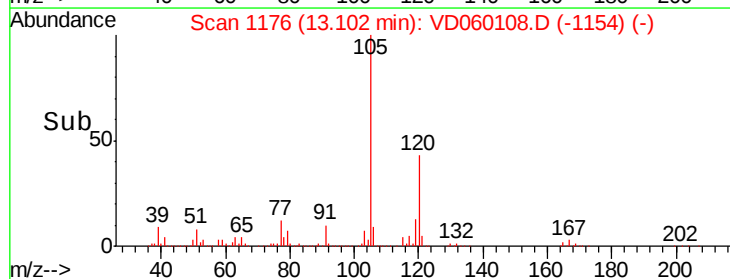
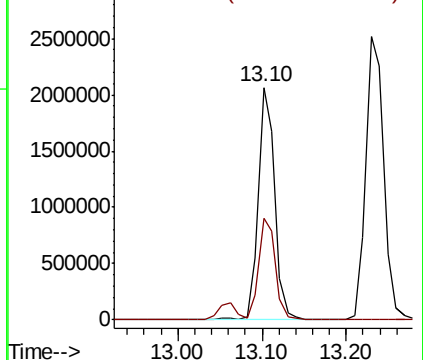


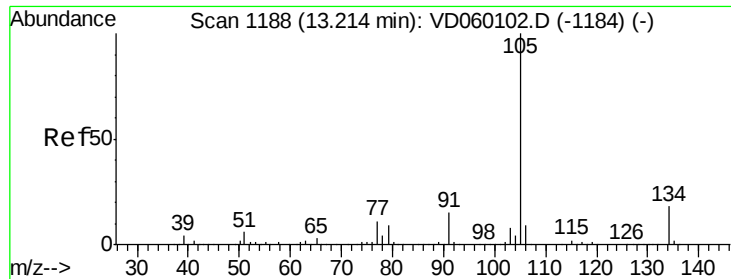
#84
 1,2,4-Trimethylbenzene
 Concen: 51.853 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion:105 Resp: 2844471
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.553 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

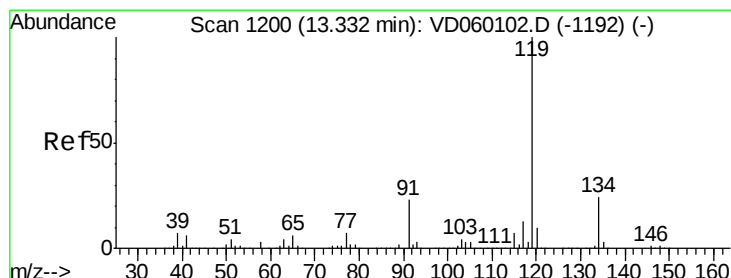
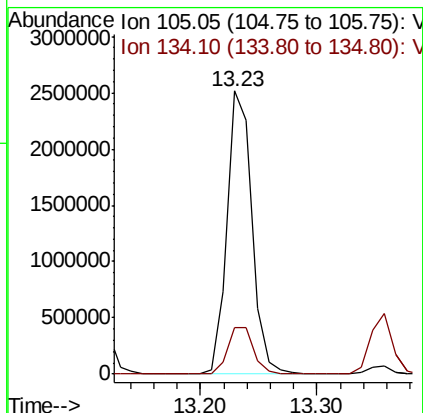
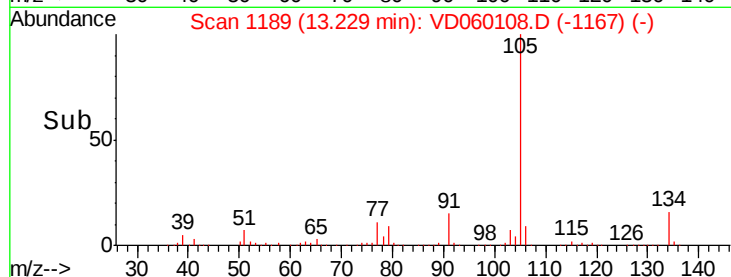
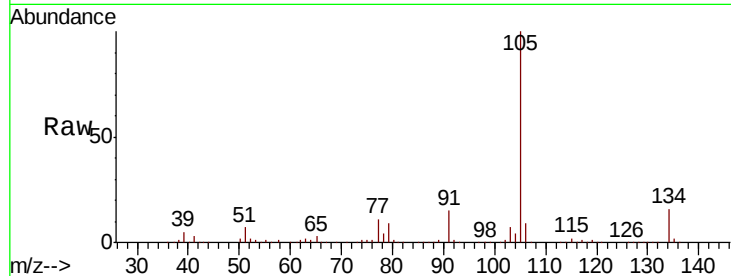
VSTDCCC050

Tot Ion:105 Resp: 3711356

Ion Ratio Lower Upper

105 100

134 16.3 8.8 26.2



#86

p-Isopropyltoluene

Concen: 50.370 ug/l

RT: 13.36 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

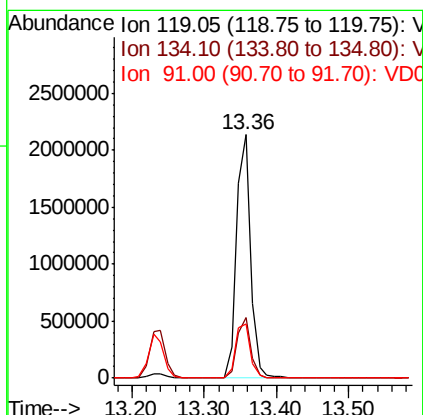
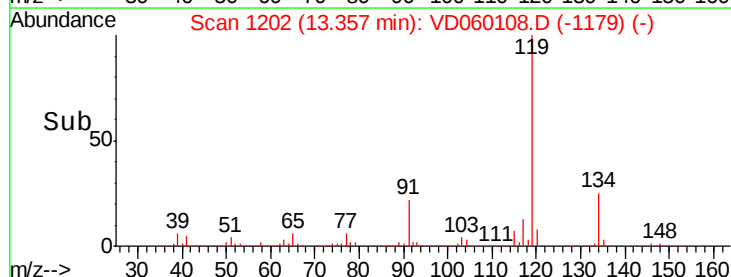
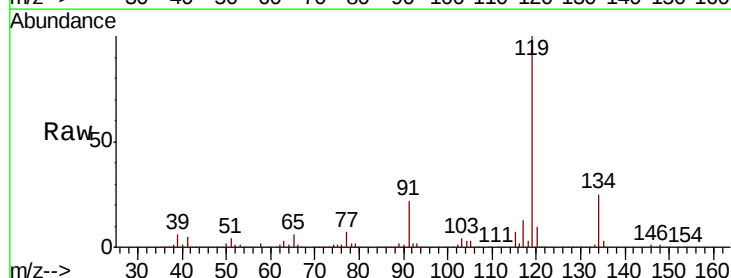
Tgt Ion:119 Resp: 2917648

Ion Ratio Lower Upper

119 100

134 25.1 12.3 36.8

91 22.2 11.8 35.4

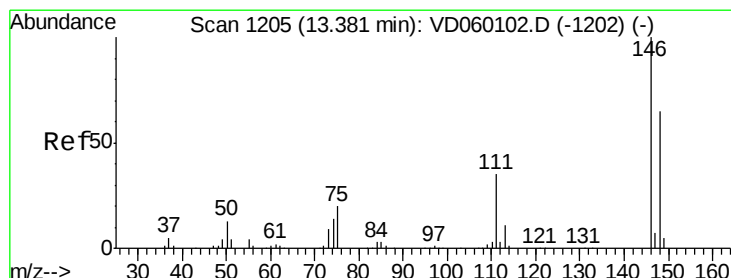
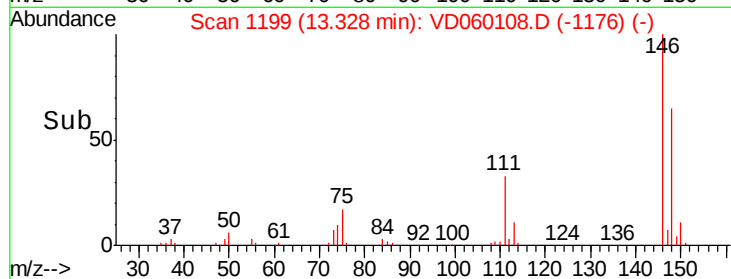
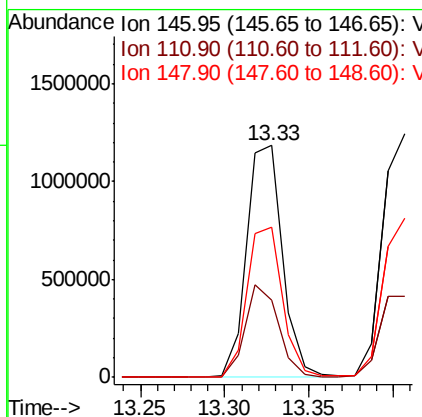
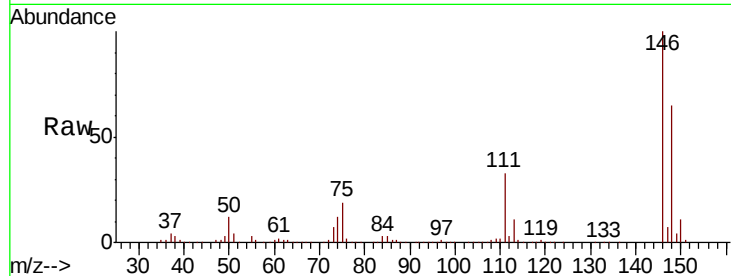




#87
 1,3-Dichlorobenzene
 Concen: 51.577 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

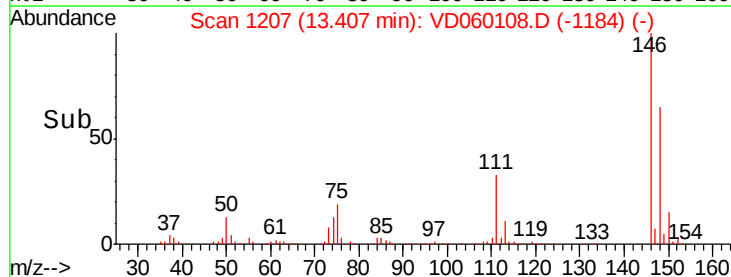
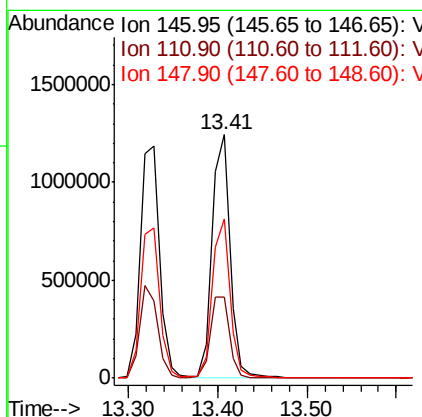
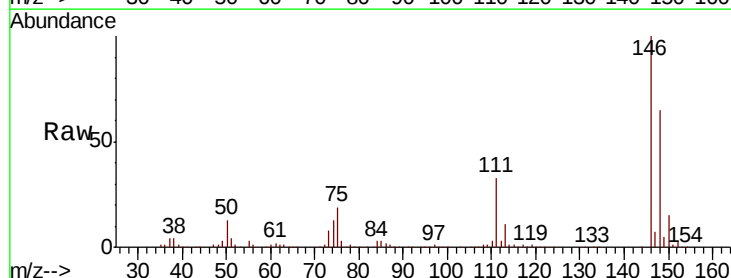
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

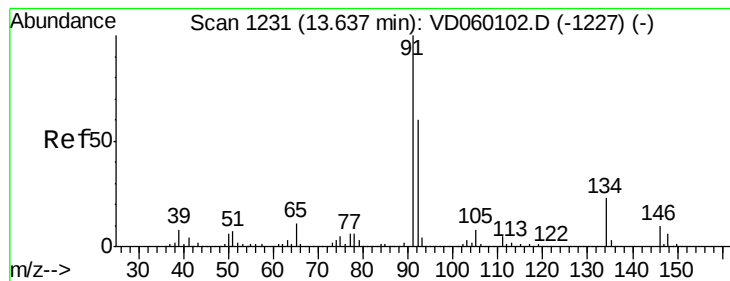
Tot Ion:146 Resp: 1756105
 Ion Ratio Lower Upper
 146 100
 111 33.2 18.1 54.3
 148 64.7 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 50.835 ug/l
 RT: 13.41 min Scan# 1207
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion:146 Resp: 1738560
 Ion Ratio Lower Upper
 146 100
 111 33.1 17.8 53.3
 148 65.4 32.4 97.2





#89

n-Butylbenzene

Concen: 51.767 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

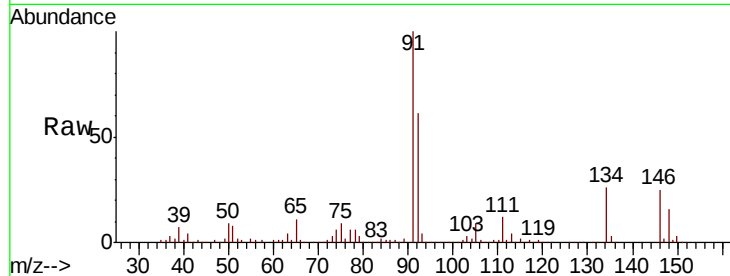
Tot Ion: 91 Resp: 2925868

Ion Ratio Lower Upper

91 100

92 61.0 30.1 90.3

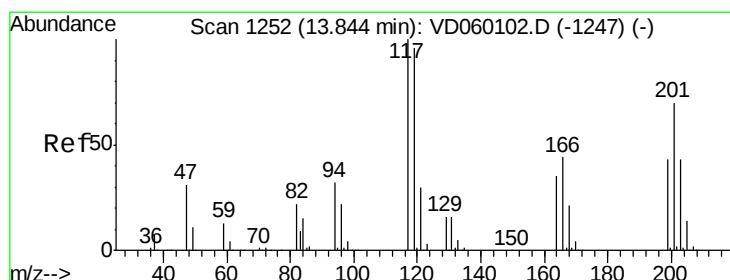
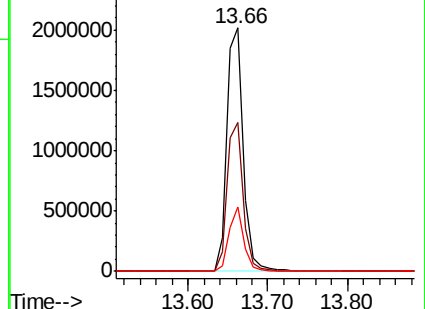
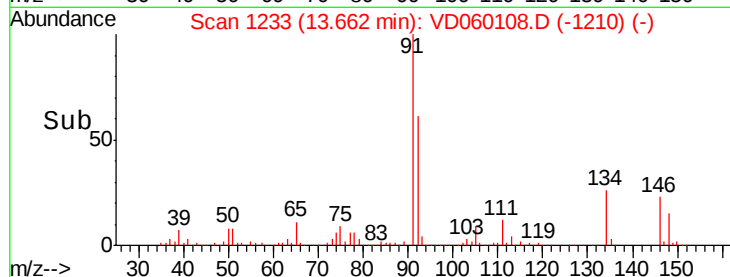
134 26.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.943 ug/l

RT: 13.87 min Scan# 1254

Delta R.T. 0.03 min

Lab File: VD060108.D

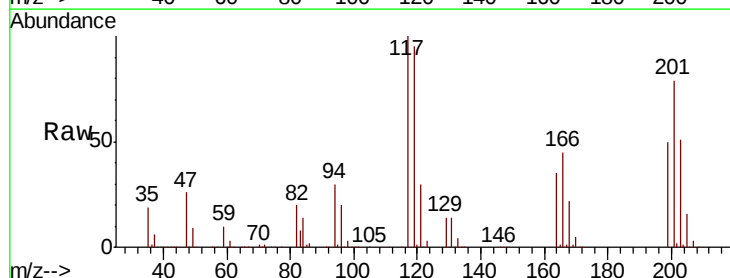
Acq: 2 Oct 2018 11:05

Tgt Ion: 117 Resp: 763353

Ion Ratio Lower Upper

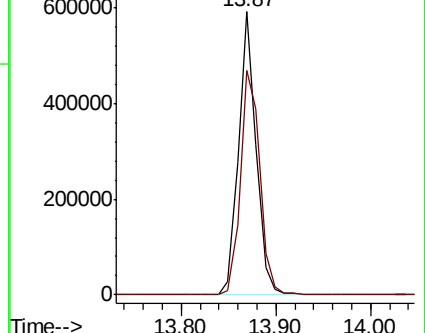
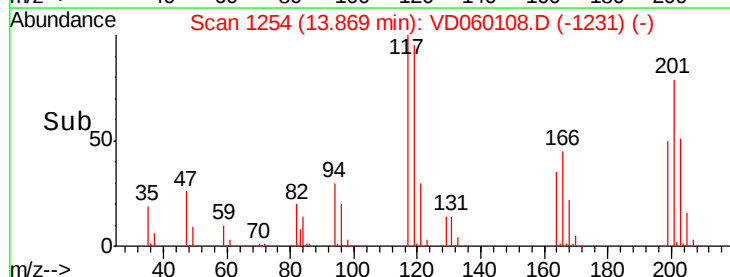
117 100

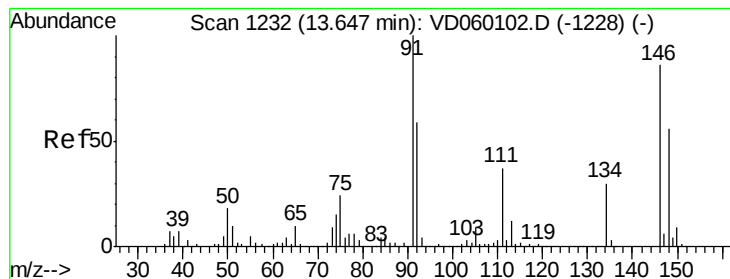
201 79.1 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 50.416 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

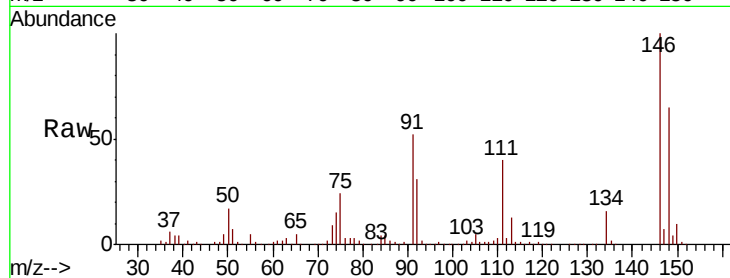
Tot Ion:146 Resp: 1443344

Ion Ratio Lower Upper

146 100

111 40.2 21.4 64.3

148 65.3 32.2 96.6

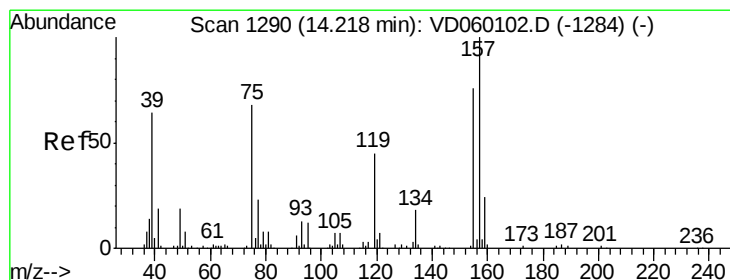
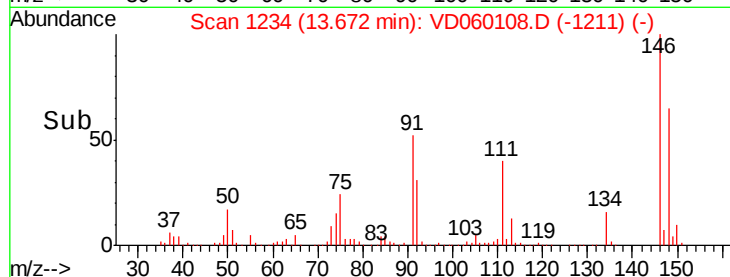
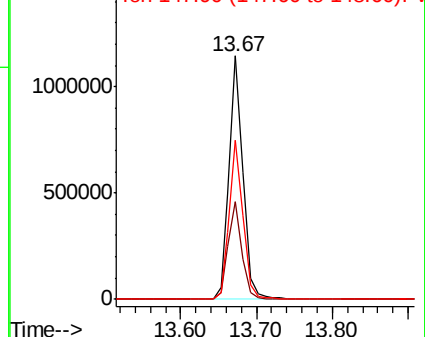


Abundance

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: 55.909 ug/l

RT: 14.24 min Scan# 1292

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

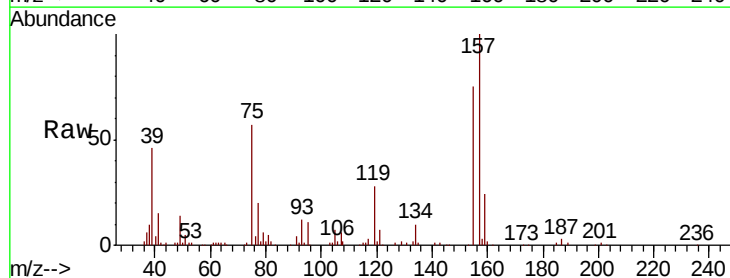
Tgt Ion: 75 Resp: 109600

Ion Ratio Lower Upper

75 100

155 131.7 55.9 167.7

157 176.5 73.3 219.8

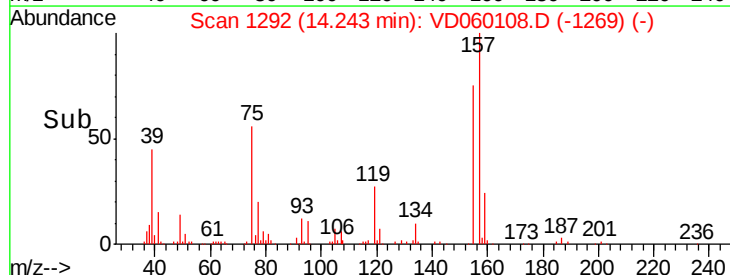
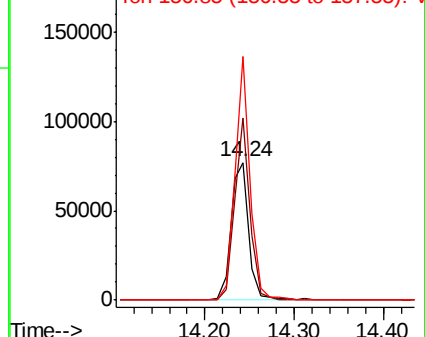


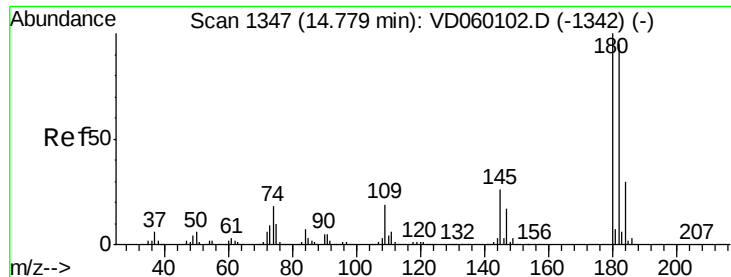
Abundance

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

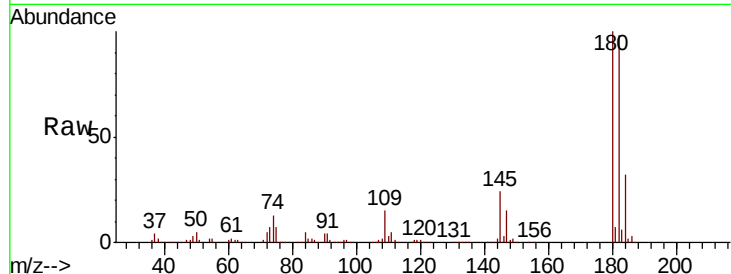




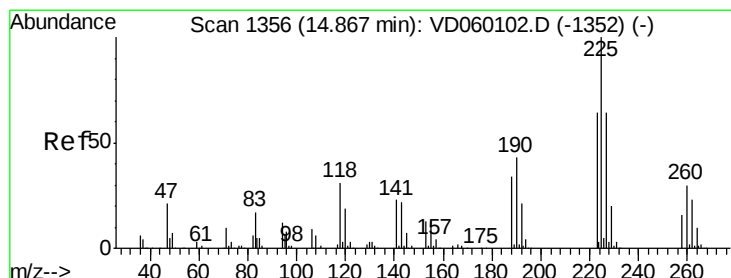
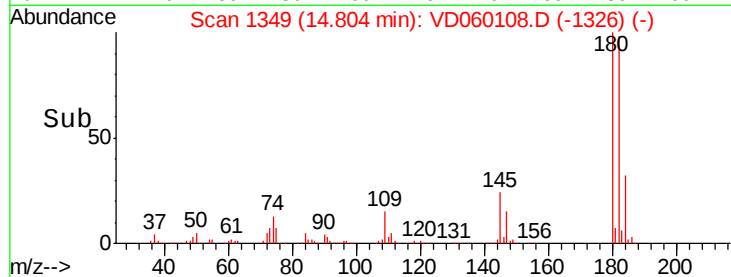
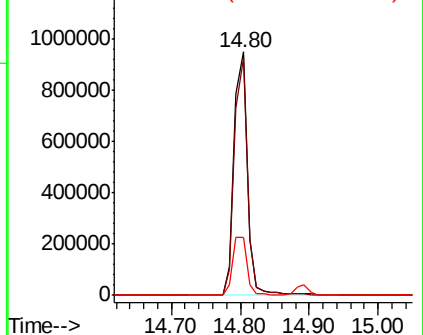
#93
 1,2,4-Trichlorobenzene
 Concen: 52.996 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1287794
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.3 141.8
 145 23.6 13.0 38.9

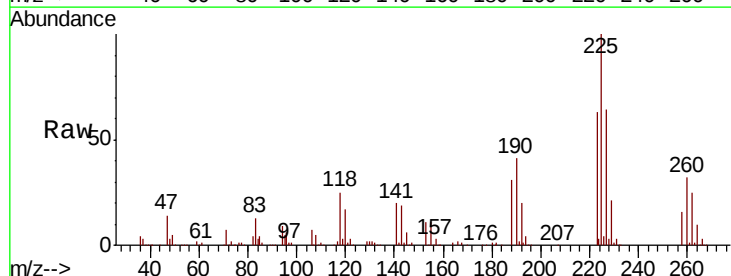


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

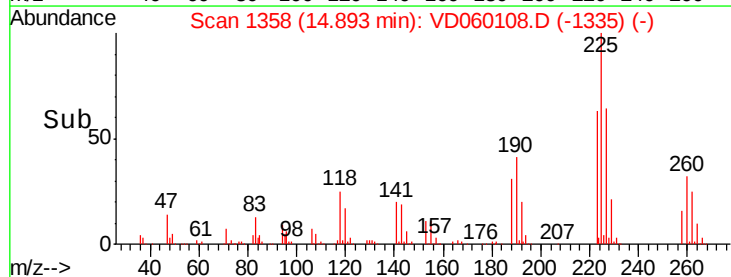
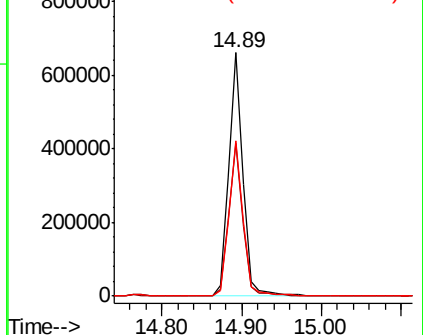


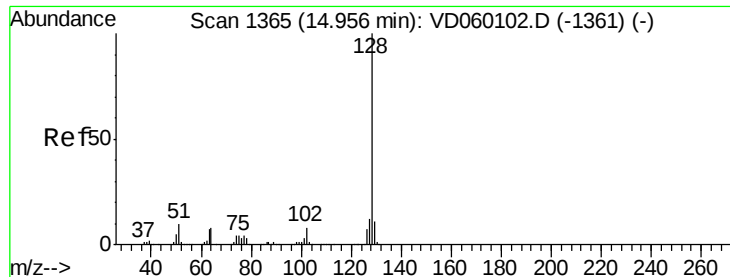
#94
 Hexachlorobutadiene
 Concen: 51.760 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion:225 Resp: 836052
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.4
 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

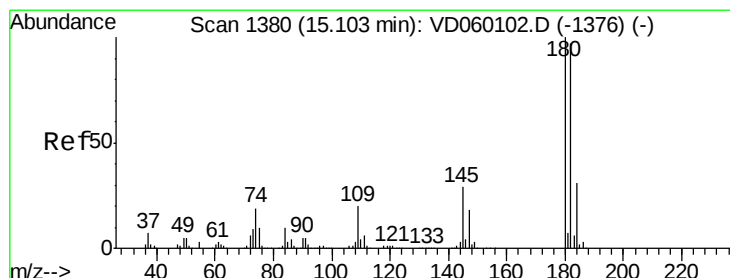
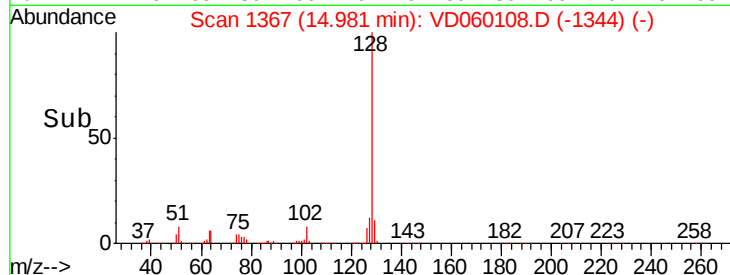
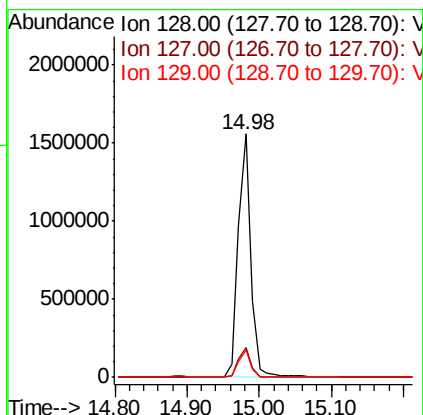
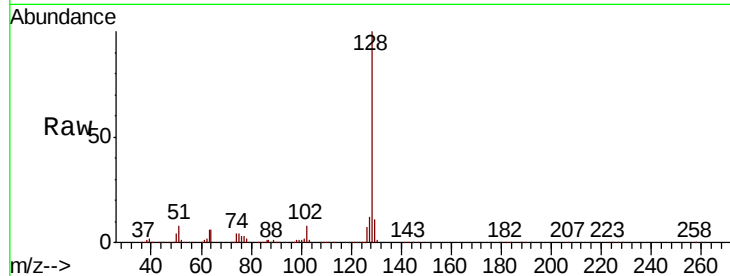




#95
Naphthalene
Concen: 53.434 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1924672
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.430 ug/l
RT: 15.13 min Scan# 1382
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:180 Resp: 1087167
Ion Ratio Lower Upper
180 100
182 99.3 48.4 145.0
145 25.9 14.5 43.6

