

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060676.D
 Acq On : 21 Dec 2018 11:19
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 21 13:52:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1395853	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1930219	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	1584461	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	849073	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	507405	52.60	ug/l	0.03
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	6.36	113	737534	52.20	ug/l	0.03
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	9.49	98	2243080	53.21	ug/l	0.04
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.45	95	785819	53.23	ug/l	0.03
Spiked Amount			Recovery	=	106.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	991662	55.601	ug/l	98
3) Chloromethane	1.78	50	812311	49.488	ug/l	99
4) Vinyl Chloride	1.88	62	686560	52.683	ug/l	99
5) Bromomethane	2.17	94	183565	62.882	ug/l	97
6) Chloroethane	2.28	64	235627	60.585	ug/l	96
7) Trichlorofluoromethane	2.54	101	786348	54.249	ug/l	99
8) Diethyl Ether	2.85	74	129692	53.478	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	498453	53.013	ug/l	97
10) Methyl Iodide	3.27	142	546542	55.309	ug/l	98
11) Tert butyl alcohol	4.00	59	110400	273.849	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	407428	52.737	ug/l	92
13) Acrolein	3.02	56	87900	213.962	ug/l	97
14) Allyl chloride	3.57	41	780265	55.041	ug/l	99
15) Acrylonitrile	4.12	53	616060	263.218	ug/l	96
16) Acetone	3.19	43	451676	268.121	ug/l	99
17) Carbon Disulfide	3.35	76	1284849	52.075	ug/l	100
18) Methyl Acetate	3.59	43	226454	54.241	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	1062305	54.198	ug/l	100
20) Methylene Chloride	3.76	84	810162	46.309	ug/l	97
21) trans-1,2-Dichloroethene	4.14	96	824783	52.130	ug/l	98
22) Diisopropyl ether	4.89	45	2561854	53.226	ug/l	97
23) Vinyl Acetate	4.84	43	6216961	266.978	ug/l	100
24) 1,1-Dichloroethane	4.79	63	1299381	51.324	ug/l	99
25) 2-Butanone	5.66	43	890536	276.255	ug/l	98
26) 2,2-Dichloropropane	5.63	77	1082604	54.173	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	842361	52.447	ug/l	97
28) Bromochloromethane	5.96	49	573795	53.649	ug/l	95
29) Tetrahydrofuran	5.99	42	479884	262.596	ug/l	99
30) Chloroform	6.14	83	1370402	53.794	ug/l	100
31) Cyclohexane	6.40	56	1228135	50.408	ug/l	98
32) 1,1,1-Trichloroethane	6.33	97	1123712	53.317	ug/l	97
36) 1,1-Dichloropropene	6.56	75	1027831	51.712	ug/l	99
37) Ethyl Acetate	5.74	43	426197	51.271	ug/l	97
38) Carbon Tetrachloride	6.54	117	929660	53.018	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	1222422	53.926	ug/l	99
40) Benzene	6.83	78	2732574	53.224	ug/l	99
41) Methacrylonitrile	5.99	41	522052	113.538	ug/l #	69
42) 1,2-Dichloroethane	6.93	62	676768	53.119	ug/l	99
43) Isopropyl Acetate	8.38	43	579734	54.346	ug/l	100
44) Trichloroethene	7.77	130	828936	54.551	ug/l	95
45) 1,2-Dichloropropane	8.14	63	659925	52.413	ug/l	99
46) Dibromomethane	8.25	93	379775	52.849	ug/l	99
47) Bromodichloromethane	8.52	83	925041	54.350	ug/l	99
48) Methyl methacrylate	8.27	41	345360	53.304	ug/l	99
49) 1,4-Dioxane	8.26	88	65937	1094.545	ug/l	95
51) 4-Methyl-2-Pentanone	9.38	43	1767434	270.430	ug/l	100
52) Toluene	9.58	92	1654758	51.414	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	778809	54.848	ug/l	98
54) cis-1,3-Dichloropropene	9.14	75	1007442	54.205	ug/l	99
55) 1,1,2-Trichloroethane	10.21	97	453199	52.334	ug/l	98
56) Ethyl methacrylate	10.07	69	451277	56.105	ug/l	97
57) 1,3-Dichloropropane	10.41	76	722586	52.643	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	1152908	243.262	ug/l	97
59) 2-Hexanone	10.52	43	1287934	281.533	ug/l	98
60) Dibromochloromethane	10.67	129	603264	54.691	ug/l	96
61) 1,2-Dibromoethane	10.78	107	480092	53.449	ug/l	97
64) Tetrachloroethene	10.28	164	759188	52.865	ug/l	98
65) Chlorobenzene	11.33	112	1787658	51.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	604754	53.729	ug/l	98
67) Ethyl Benzene	11.45	91	3076047	51.308	ug/l	100
68) m/p-Xylenes	11.59	106	2304752	105.193	ug/l	99
69) o-Xylene	11.95	106	1075144	51.723	ug/l	90
70) Styrene	11.97	104	1764630	52.710	ug/l	96
71) Bromoform	12.14	173	412103	55.466	ug/l	96
73) Isopropylbenzene	12.30	105	3022089	49.991	ug/l	99
74) N-amyl acetate	12.15	43	731070	51.240	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	494209	50.436	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	492809	50.981	ug/l	100
77) Bromobenzene	12.56	156	806784	50.549	ug/l	90
78) n-propylbenzene	12.66	91	3748896	48.507	ug/l	99
79) 2-Chlorotoluene	12.72	91	2068948	49.981	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	2338814	50.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.37	75	143107	53.576	ug/l	93
82) 4-Chlorotoluene	12.83	91	2279713	48.589	ug/l	93
83) tert-Butylbenzene	13.07	119	2706751	50.950	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	2426436	50.468	ug/l	98
85) sec-Butylbenzene	13.24	105	3229297	49.843	ug/l	96
86) p-Isopropyltoluene	13.36	119	2616248	50.025	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	1473585	50.295	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	1465972	50.776	ug/l	98
89) n-Butylbenzene	13.67	91	2664292	49.852	ug/l	99
90) Hexachloroethane	13.87	117	650543	50.634	ug/l	87
91) 1,2-Dichlorobenzene	13.68	146	1175128	50.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	58074	50.448	ug/l #	51

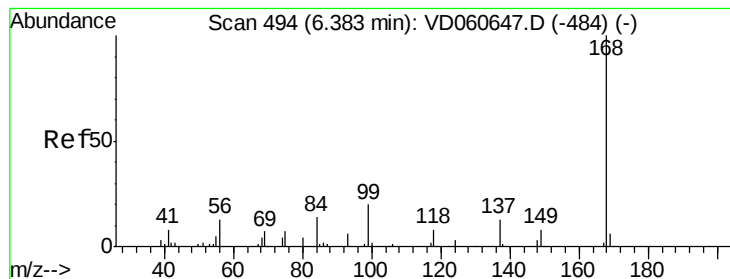
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122118\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	971476	51.946	ug/l	100
94) Hexachlorobutadiene	14.90	225	722834	52.291	ug/l	98
95) Naphthalene	14.99	128	1153130	51.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	789323	53.992	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

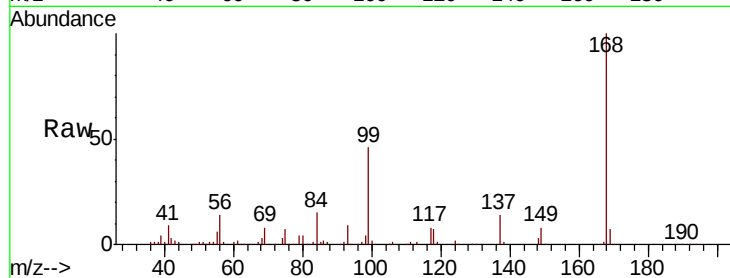
VSTDCCC050

Tot Ion:168 Resp: 1395853

Ion Ratio Lower Upper

168 100

99 46.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

500000

400000

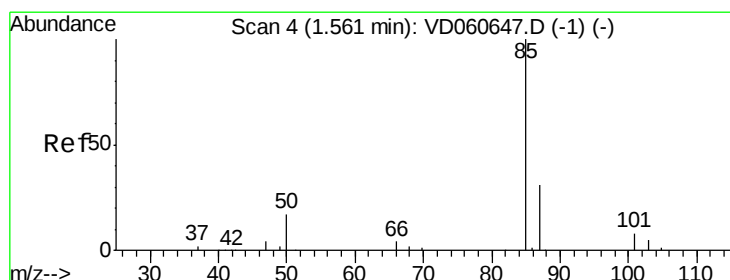
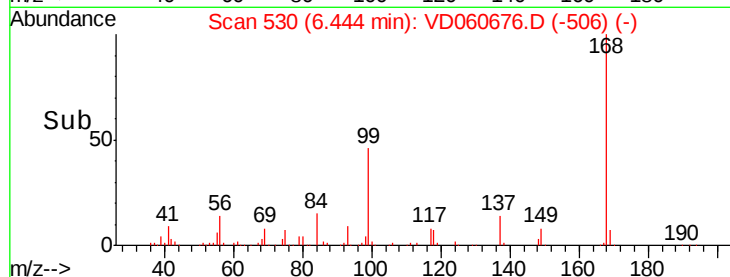
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.601 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.01 min

Lab File: VD060676.D

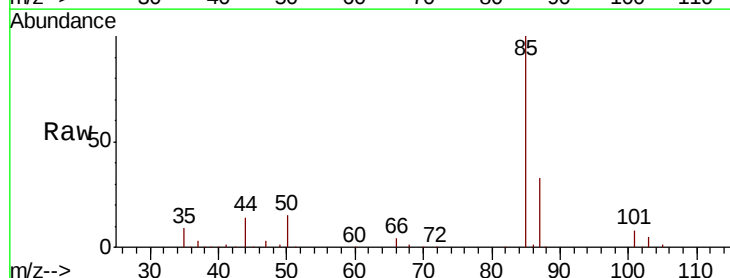
Acq: 21 Dec 2018 11:19

Tgt Ion: 85 Resp: 991662

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

400000

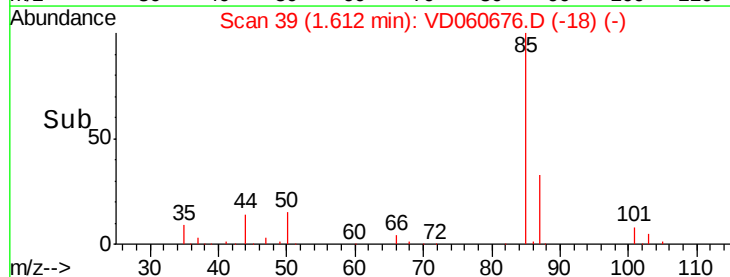
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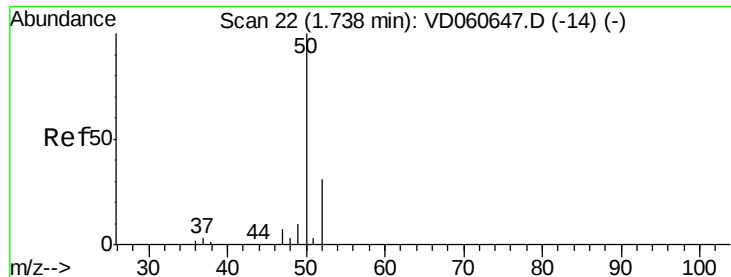
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.488 ug/l

RT: 1.78 min Scan# 56

Delta R.T. 0.01 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

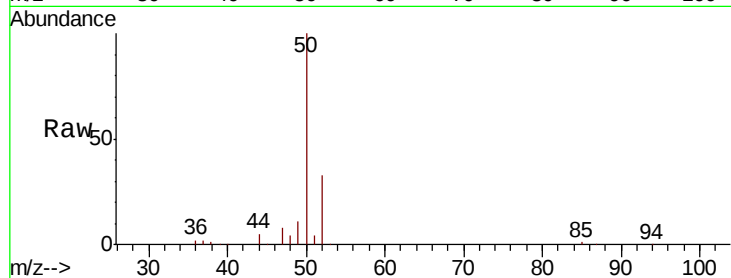
VSTDCCC050

Tot Ion: 50 Resp: 812311

Ion Ratio Lower Upper

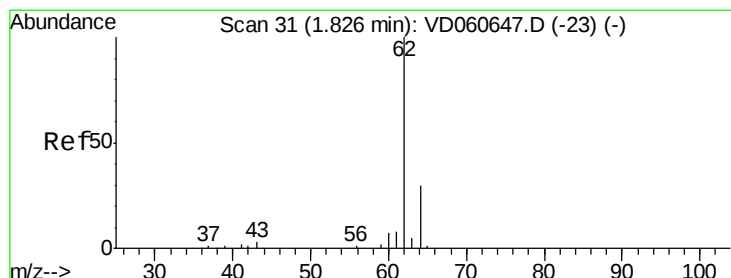
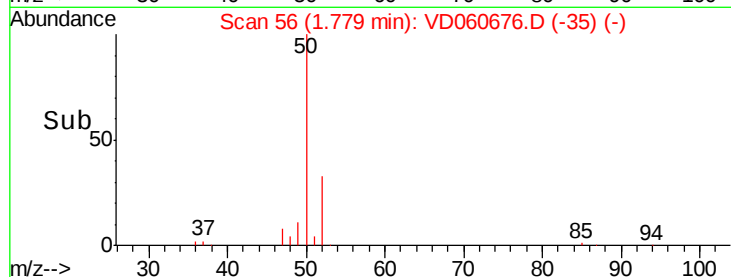
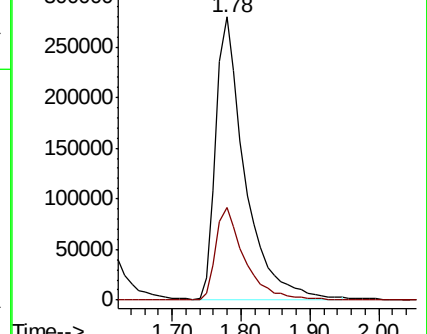
50 100

52 32.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.683 ug/l

RT: 1.88 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060676.D

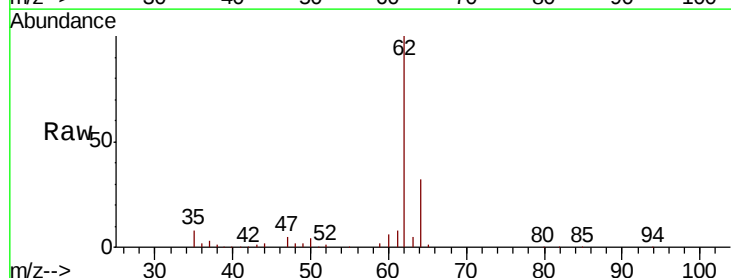
Acq: 21 Dec 2018 11:19

Tgt Ion: 62 Resp: 686560

Ion Ratio Lower Upper

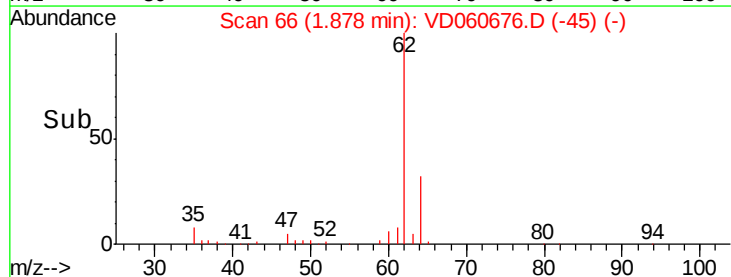
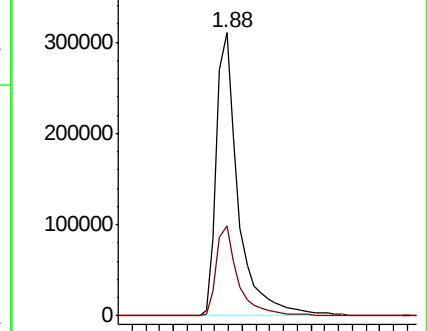
62 100

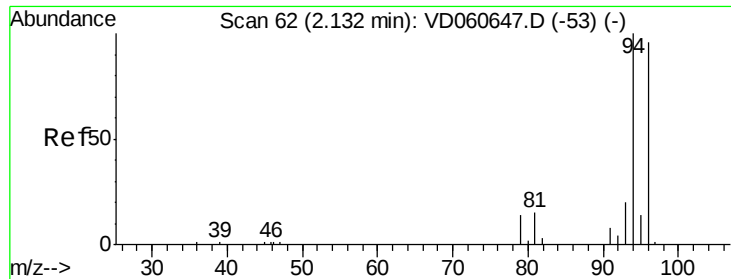
64 32.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

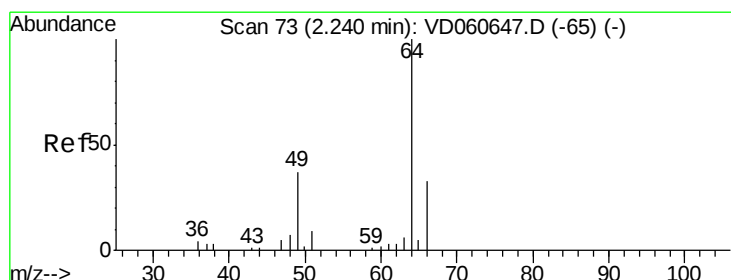
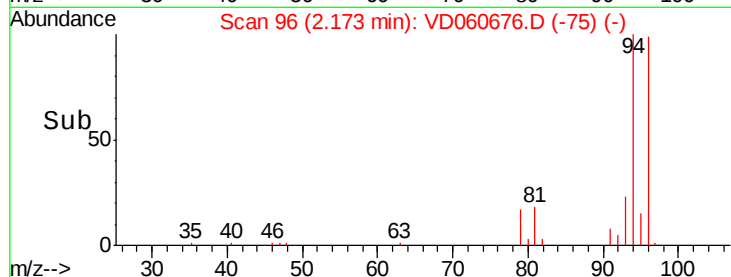
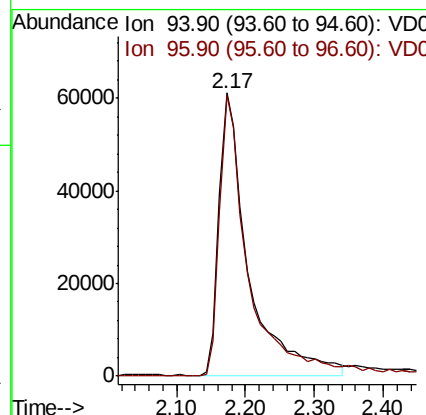
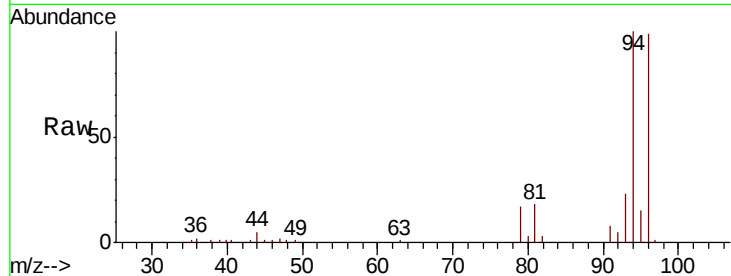




#5
Bromomethane
Concen: 62.882 ug/l
RT: 2.17 min Scan# 96
Delta R.T. 0.01 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

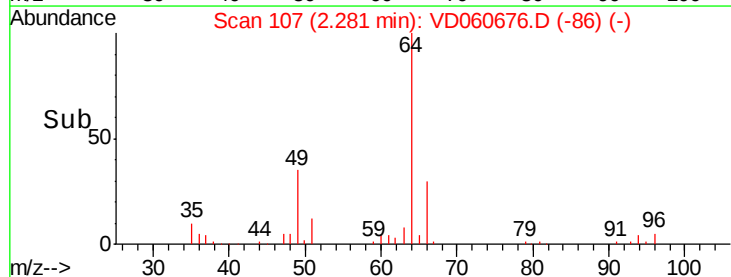
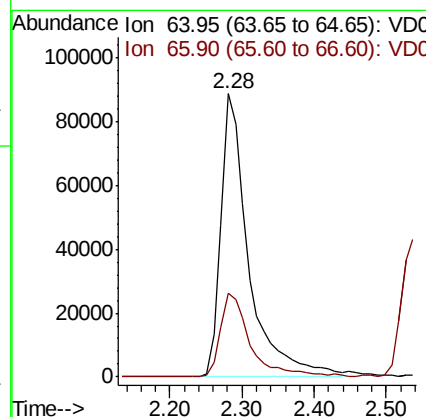
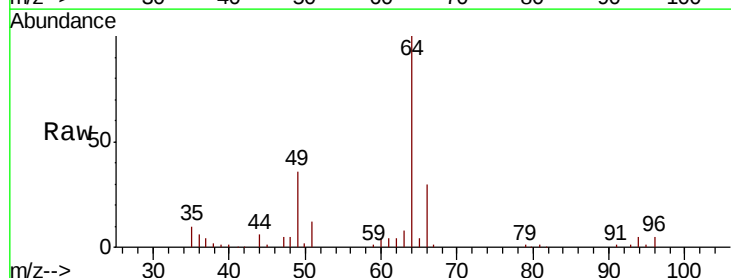
Instrument :
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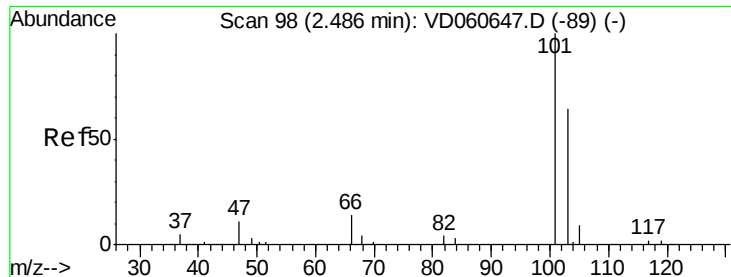
Tot Ion: 94 Resp: 183565
Ion Ratio Lower Upper
94 100
96 99.1 77.2 115.8



#6
Chloroethane
Concen: 60.585 ug/l
RT: 2.28 min Scan# 107
Delta R.T. 0.01 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 64 Resp: 235627
Ion Ratio Lower Upper
64 100
66 29.6 25.6 38.4



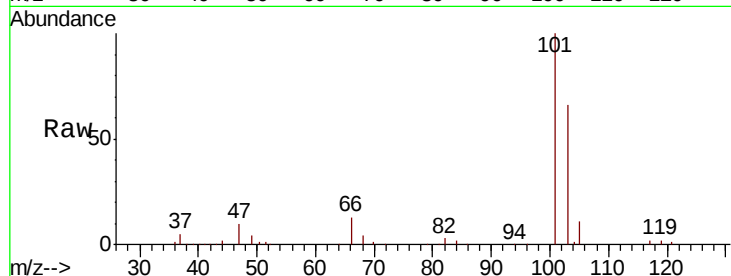


#7

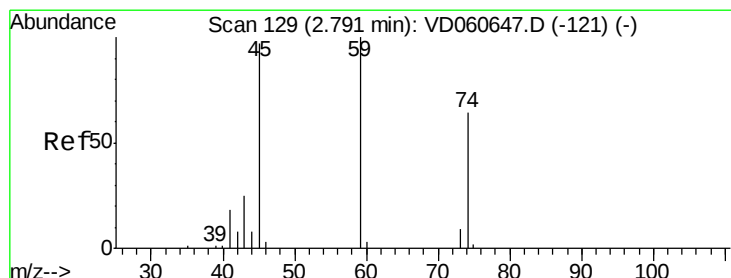
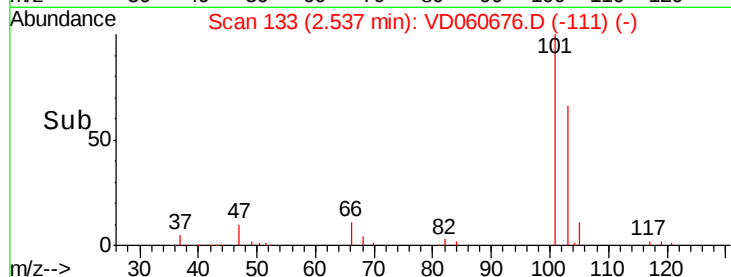
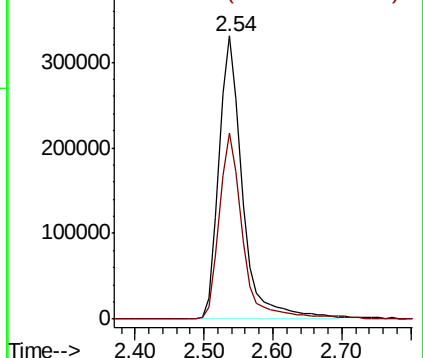
Trichlorofluoromethane
Concen: 54.249 ug/l
RT: 2.54 min Scan# 133
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 786348
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9



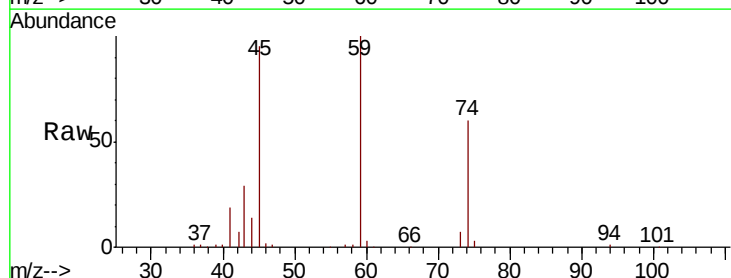
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



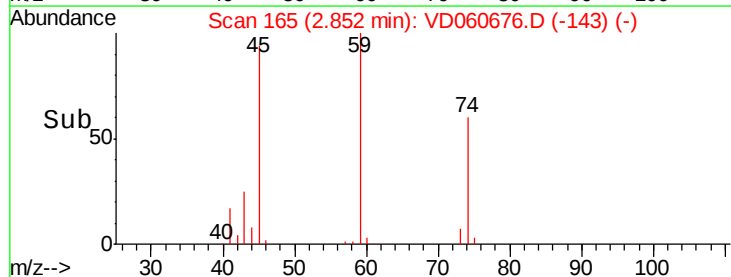
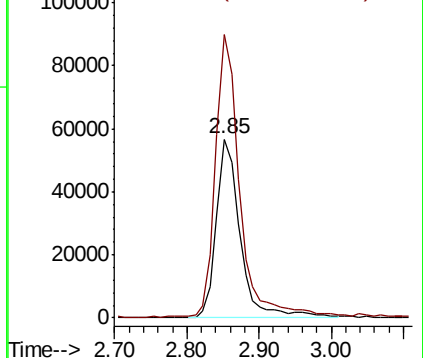
#8

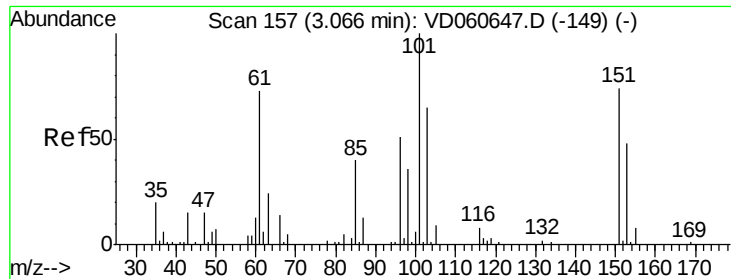
Diethyl Ether
Concen: 53.478 ug/l
RT: 2.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 74 Resp: 129692
Ion Ratio Lower Upper
74 100
45 158.6 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.013 ug/l

RT: 3.13 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

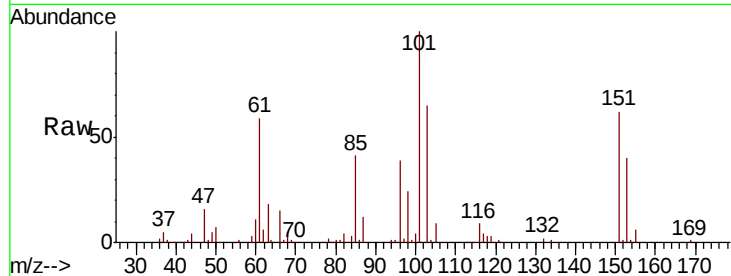
Tot Ion:101 Resp: 498453

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.0

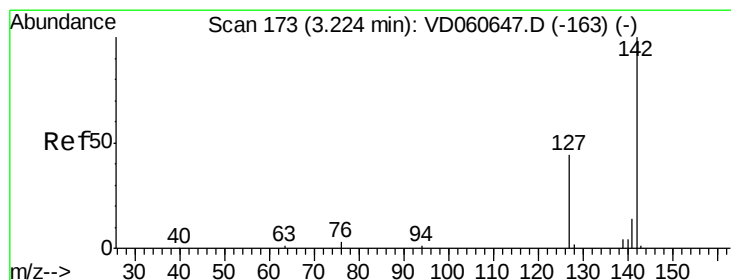
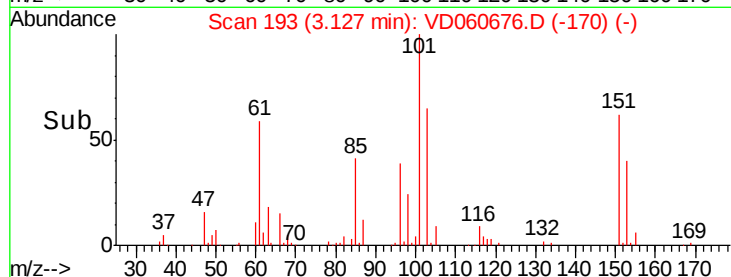
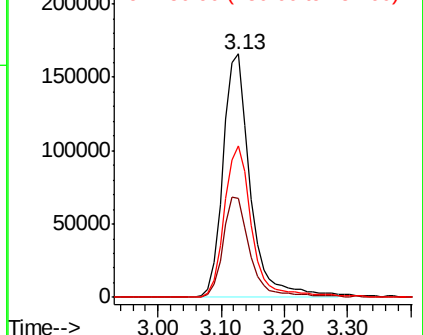
151 62.4 47.5 71.3



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: 55.309 ug/l

RT: 3.27 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

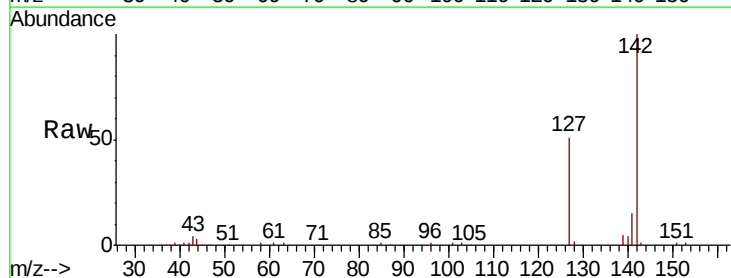
Tgt Ion:142 Resp: 546542

Ion Ratio Lower Upper

142 100

127 50.7 39.5 59.3

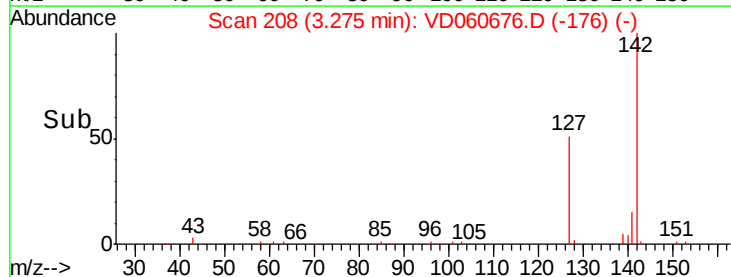
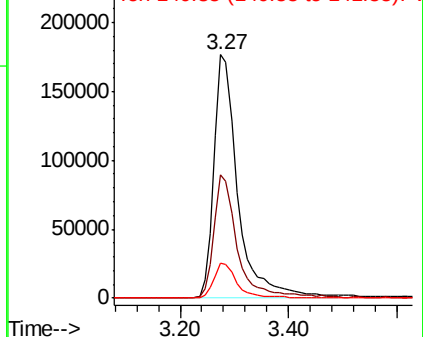
141 14.6 11.3 16.9

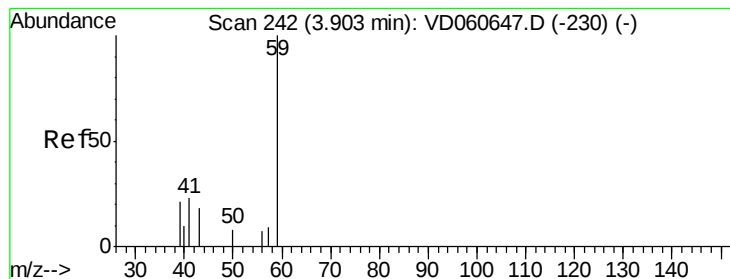


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



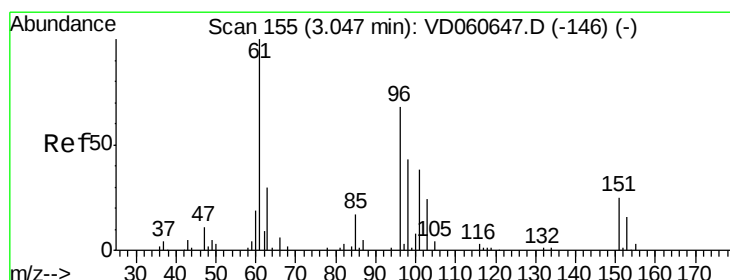
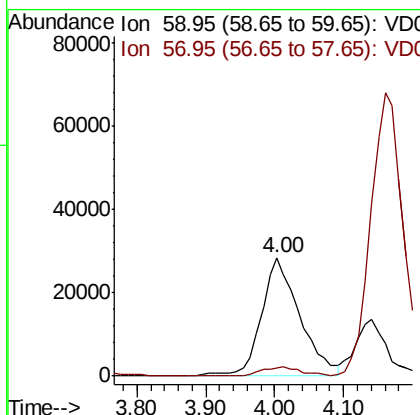
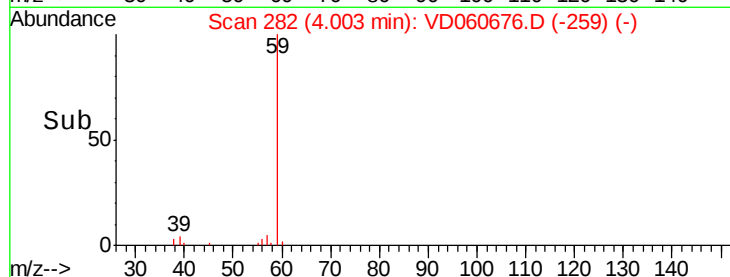
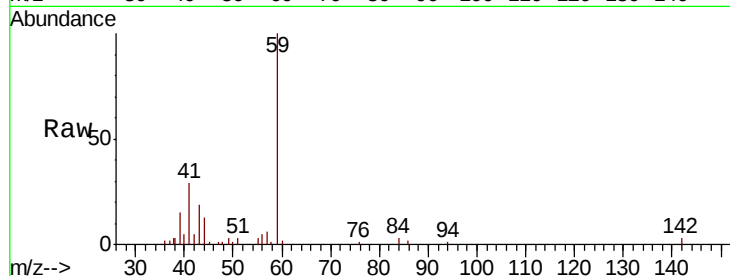


#11

Tert butyl alcohol
Concen: 273.849 ug/l
RT: 4.00 min Scan# 282
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

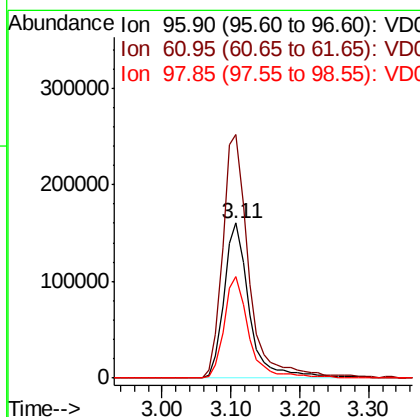
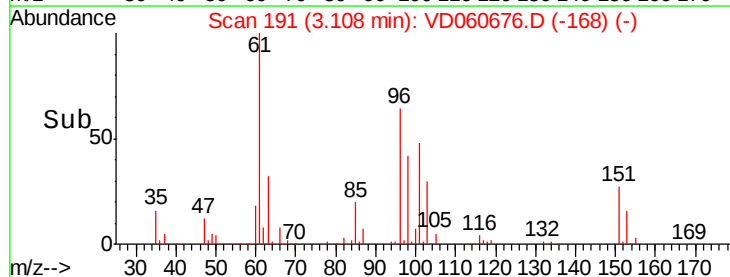
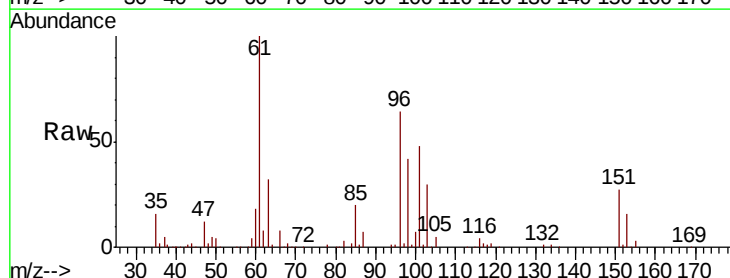
Tot Ion: 59 Resp: 110400
Ion Ratio Lower Upper
59 100
57 6.4 7.8 11.6#

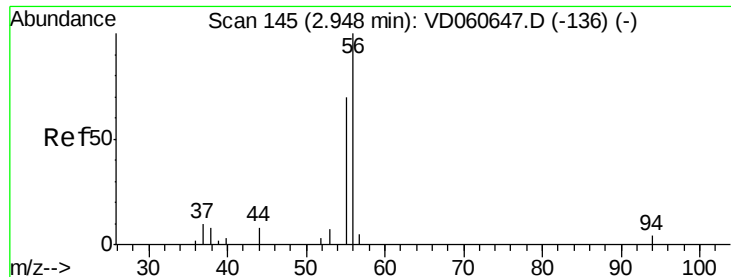


#12

1,1-Dichloroethene
Concen: 52.737 ug/l
RT: 3.11 min Scan# 191
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 96 Resp: 407428
Ion Ratio Lower Upper
96 100
61 157.2 136.2 204.4
98 65.7 50.7 76.1





#13

Acrolein

Concen: 213.962 ug/l

RT: 3.02 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

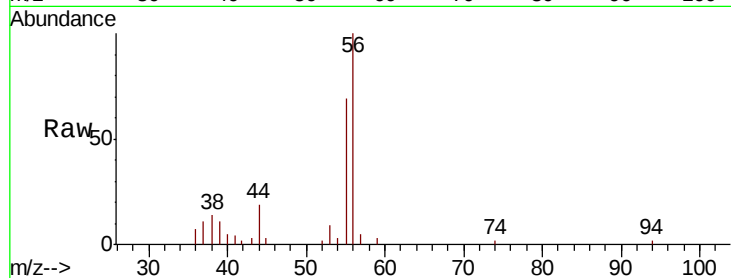
VSTDCCC050

Tot Ion: 56 Resp: 87900

Ion Ratio Lower Upper

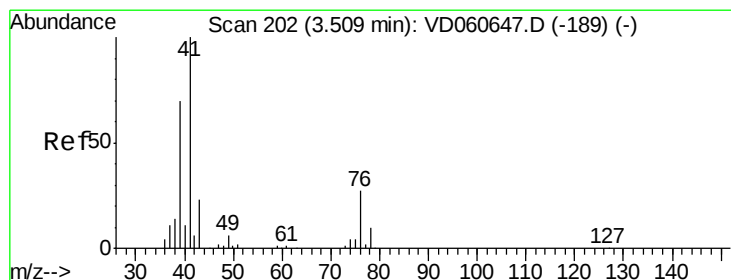
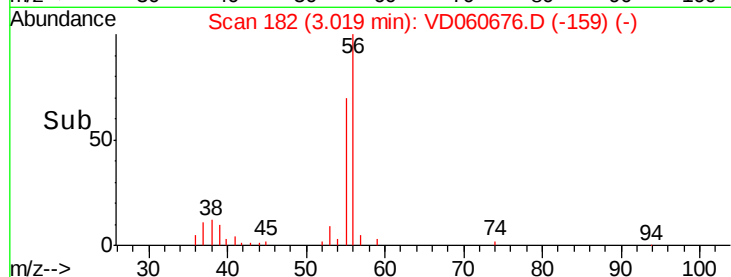
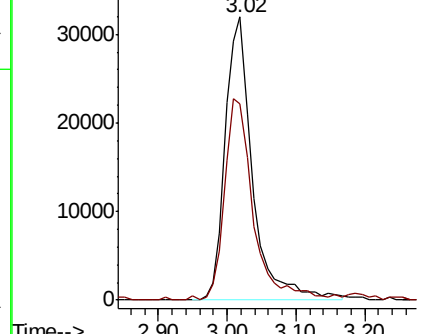
56 100

55 69.4 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.041 ug/l

RT: 3.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

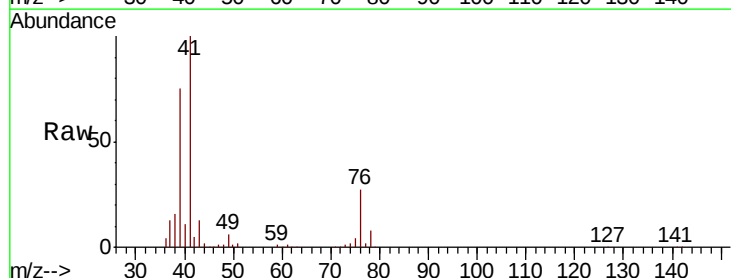
Tgt Ion: 41 Resp: 780265

Ion Ratio Lower Upper

41 100

39 75.1 59.6 89.4

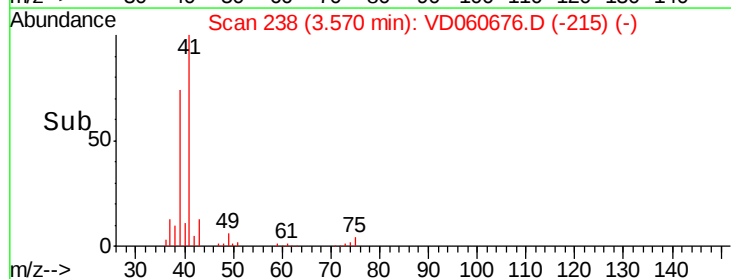
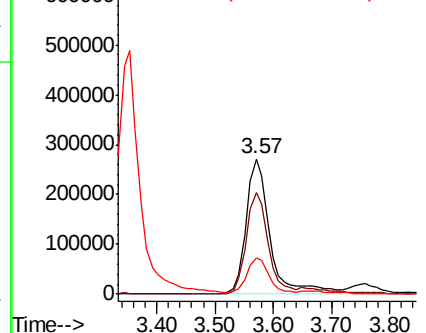
76 26.9 21.8 32.6

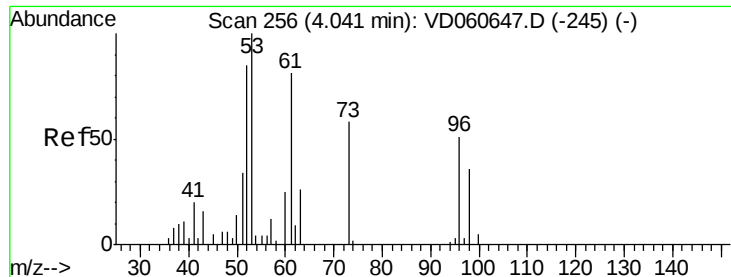


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 263.218 ug/l

RT: 4.12 min Scan# 294

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

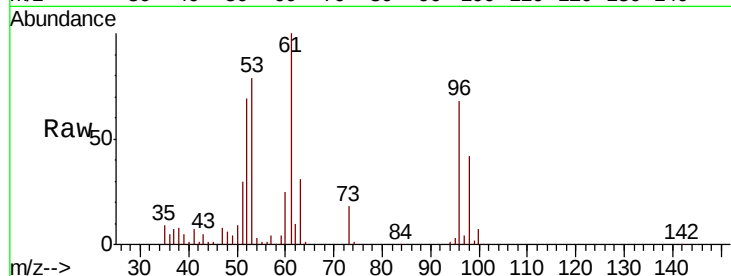
Tot Ion: 53 Resp: 616060

Ion Ratio Lower Upper

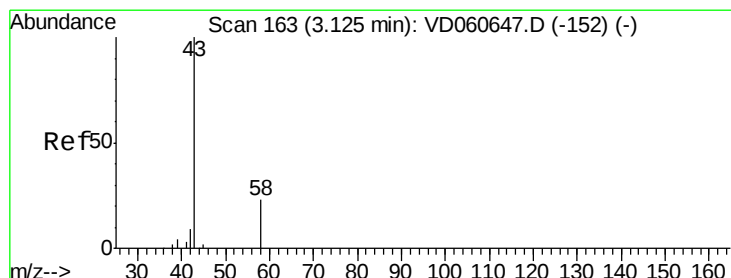
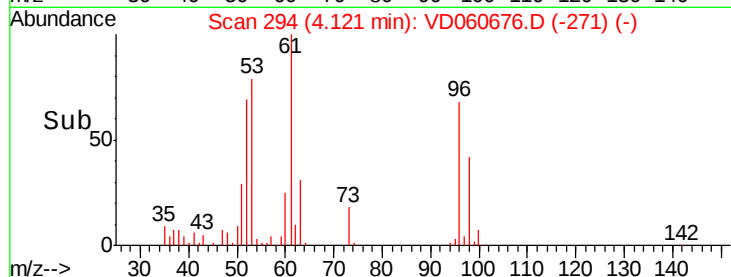
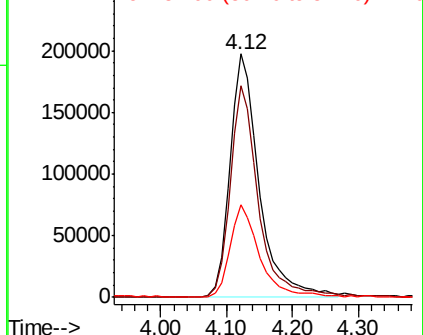
53 100

52 86.9 66.7 100.1

51 38.1 32.7 49.1



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



#16

Acetone

Concen: 268.121 ug/l

RT: 3.19 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD060676.D

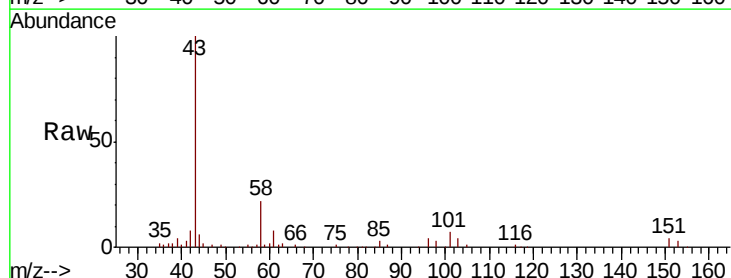
Acq: 21 Dec 2018 11:19

Tgt Ion: 43 Resp: 451676

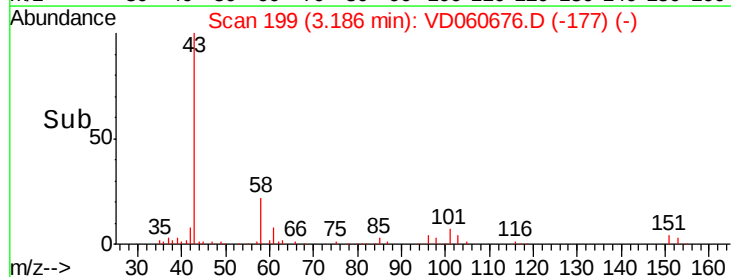
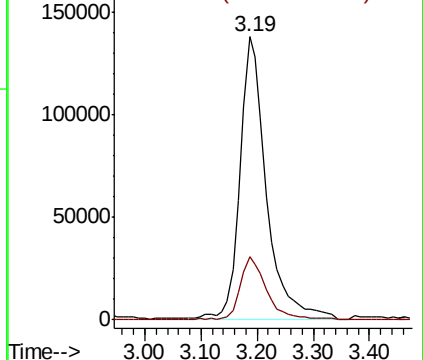
Ion Ratio Lower Upper

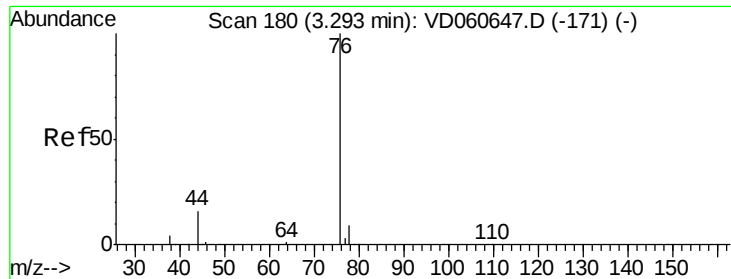
43 100

58 22.1 18.2 27.2



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

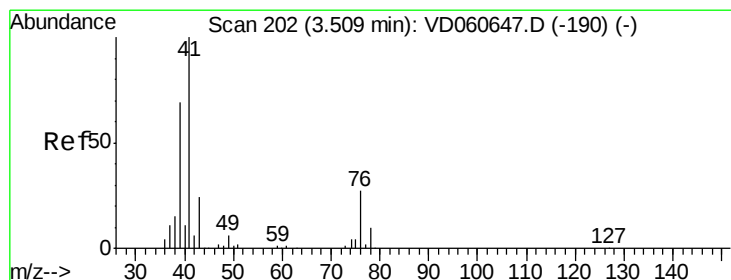
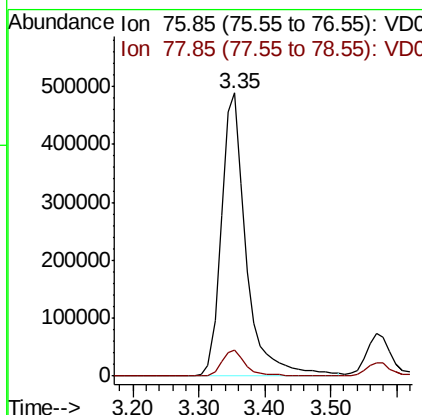
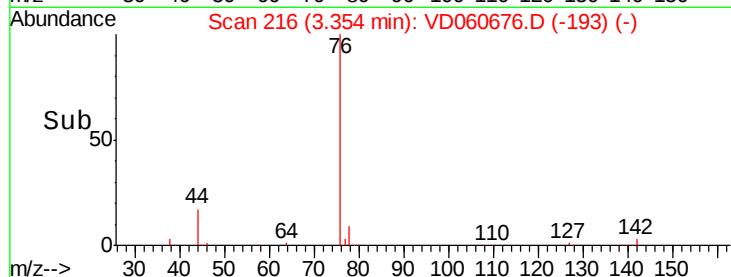
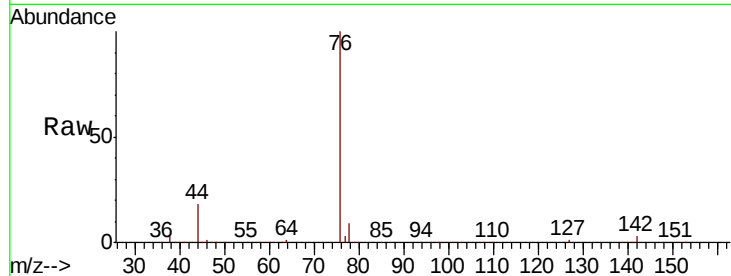




#17
Carbon Disulfide
Concen: 52.075 ug/l
RT: 3.35 min Scan# 216
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

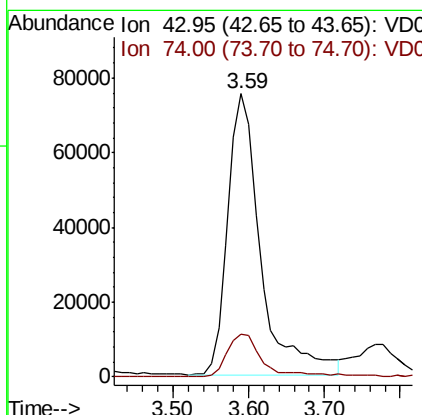
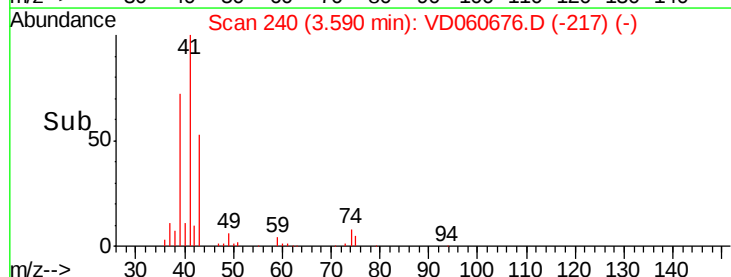
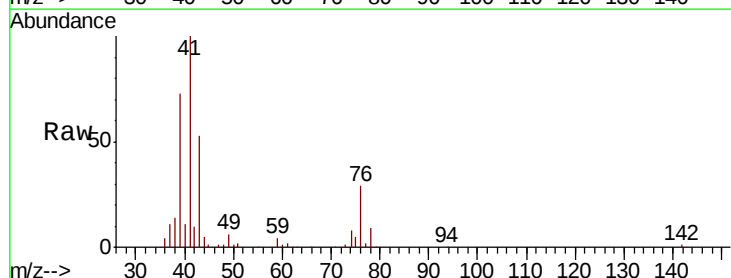
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

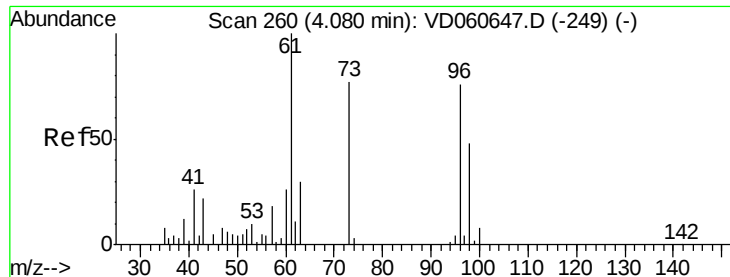
Tot Ion: 76 Resp: 1284849
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 54.241 ug/l
RT: 3.59 min Scan# 240
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 43 Resp: 226454
Ion Ratio Lower Upper
43 100
74 15.2 12.4 18.6



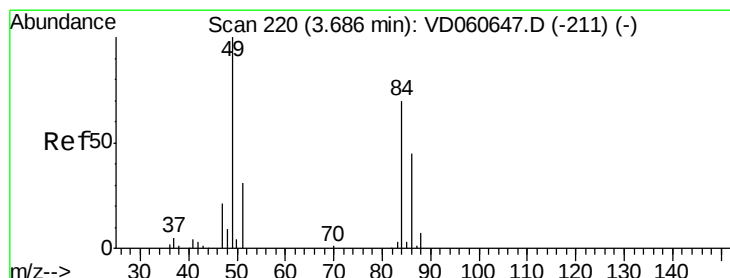
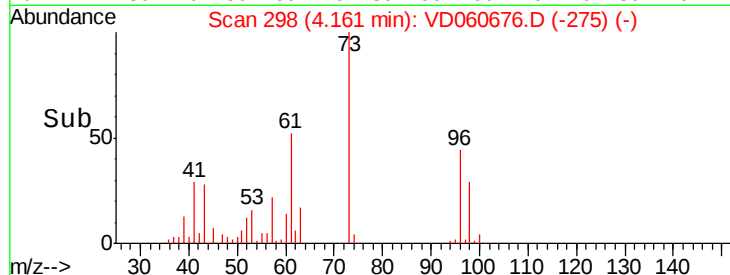
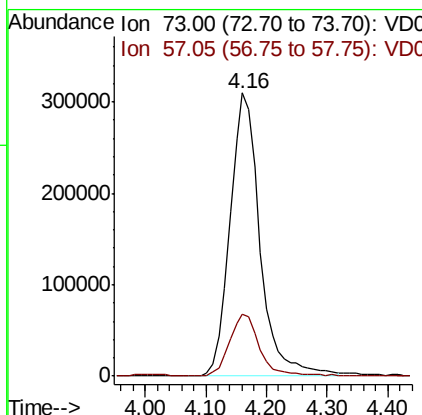
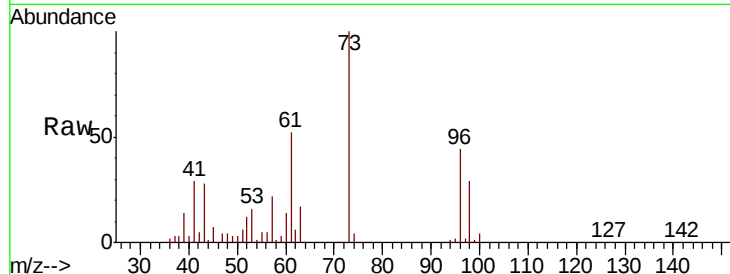


#19

Methyl tert-butyl Ether
 Concen: 54.198 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

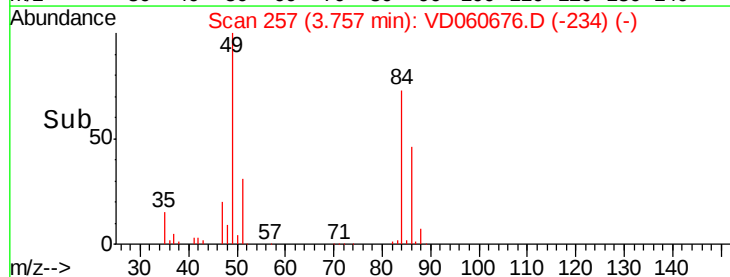
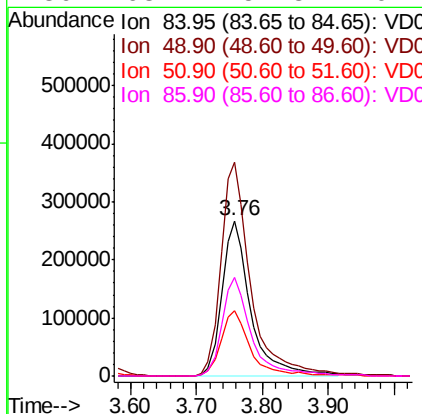
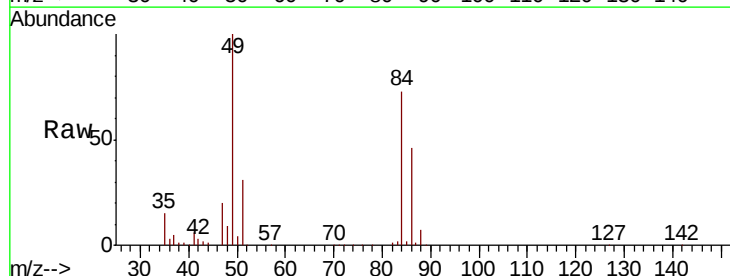
Tot Ion: 73 Resp: 1062305
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

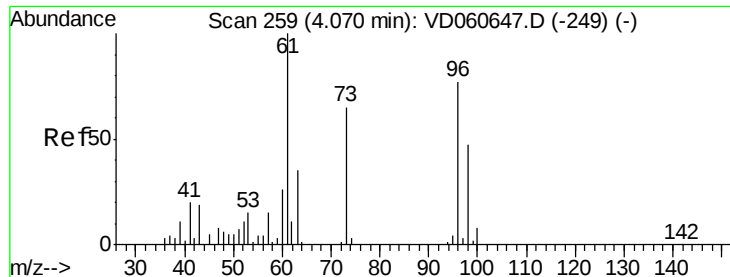


#20

Methylene Chloride
 Concen: 46.309 ug/l
 RT: 3.76 min Scan# 257
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 84 Resp: 810162
 Ion Ratio Lower Upper
 84 100
 49 137.8 113.6 170.4
 51 42.2 34.7 52.1
 86 63.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 52.130 ug/l

RT: 4.14 min Scan# 296

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

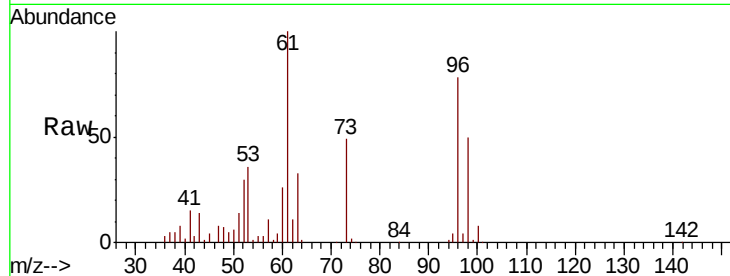
Tot Ion: 96 Resp: 824783

Ion Ratio Lower Upper

96 100

61 127.5 104.2 156.2

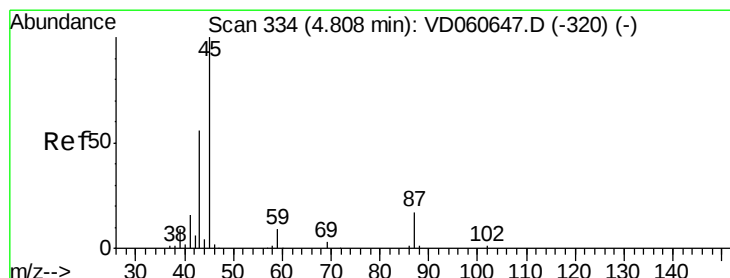
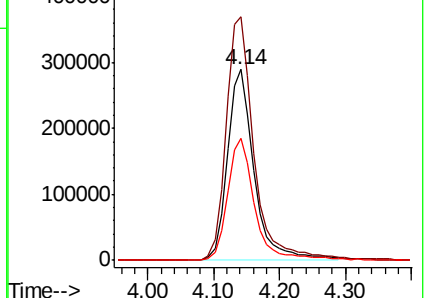
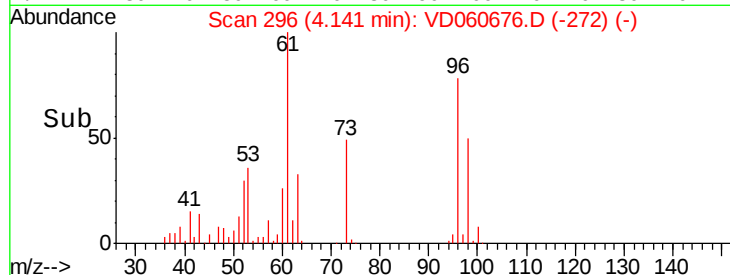
98 63.7 51.2 76.8



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: 53.226 ug/l

RT: 4.89 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion: 45 Resp: 2561854

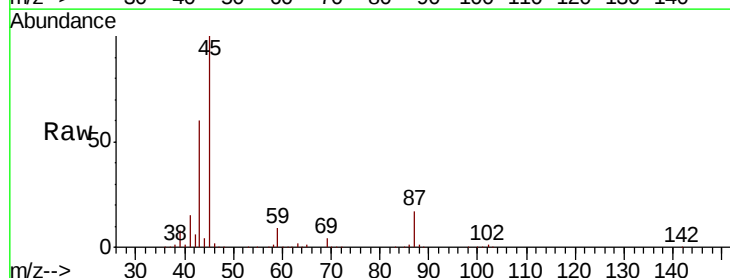
Ion Ratio Lower Upper

45 100

43 60.3 46.1 69.1

87 17.1 13.7 20.5

59 9.0 7.4 11.0

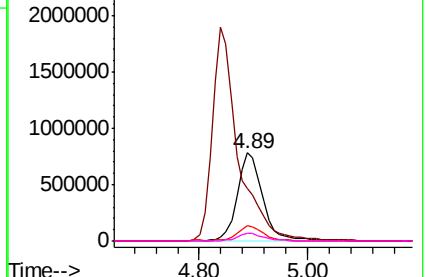
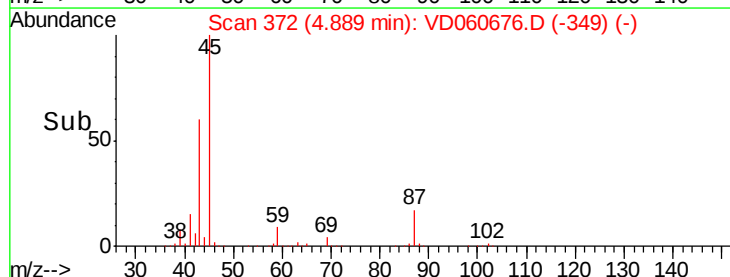


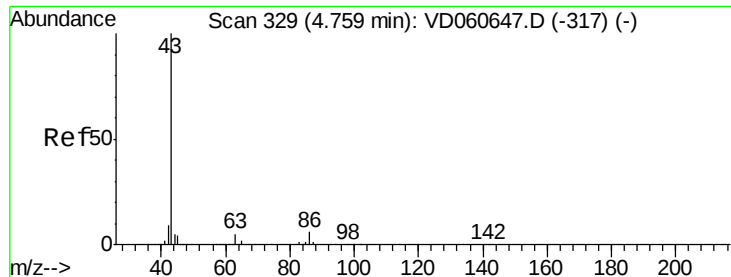
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

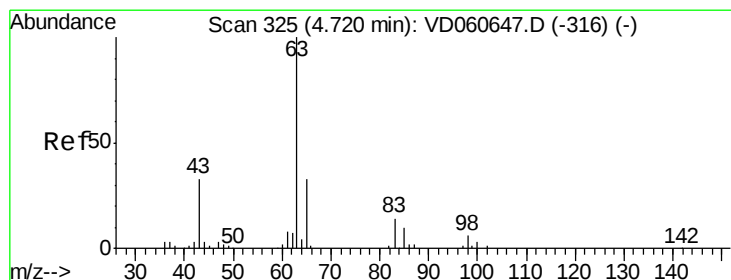
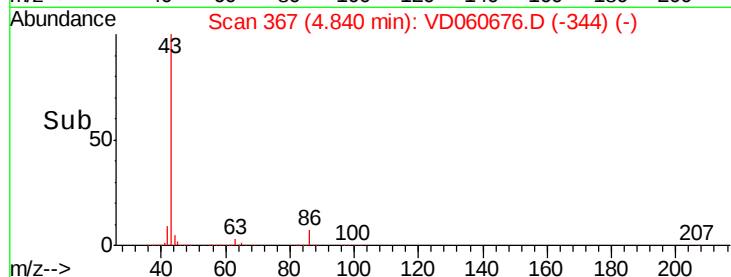
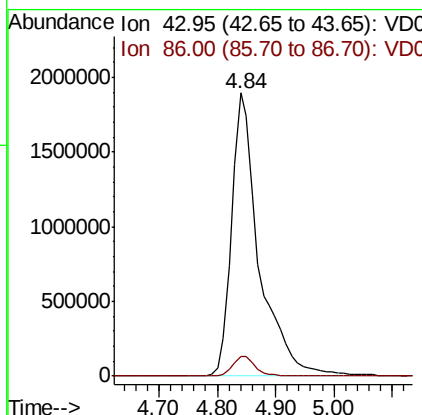
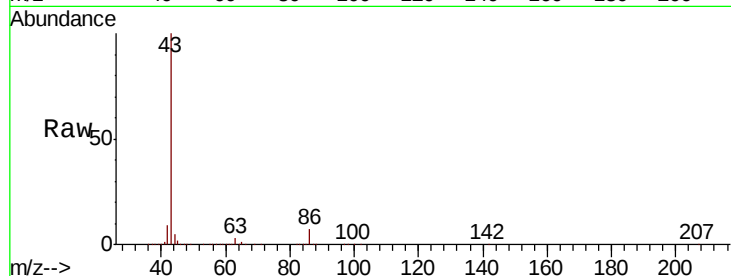




#23
 Vinyl Acetate
 Concen: 266.978 ug/l
 RT: 4.84 min Scan# 367
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

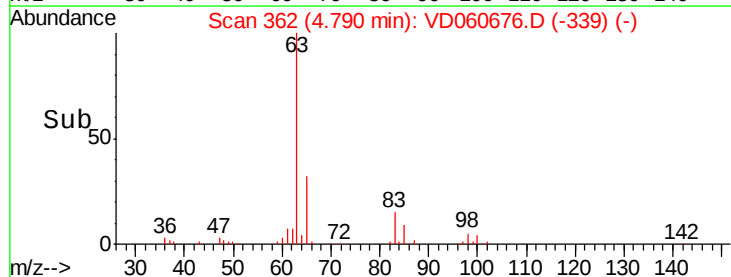
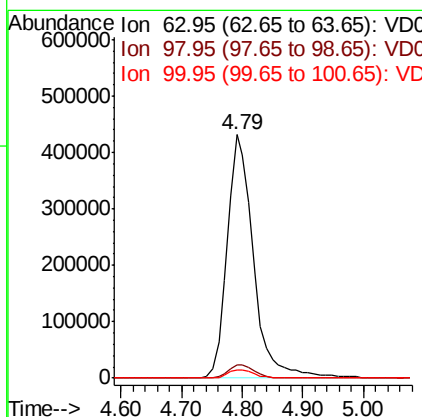
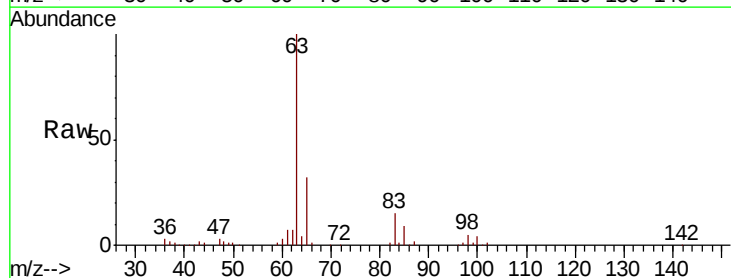
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

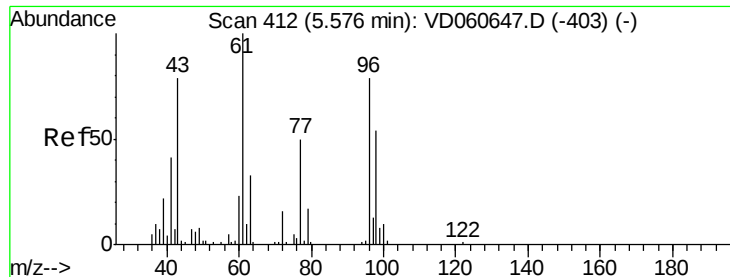
Tot Ion: 43 Resp: 6216961
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 51.324 ug/l
 RT: 4.79 min Scan# 362
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 63 Resp: 1299381
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.7
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 276.255 ug/l

RT: 5.66 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

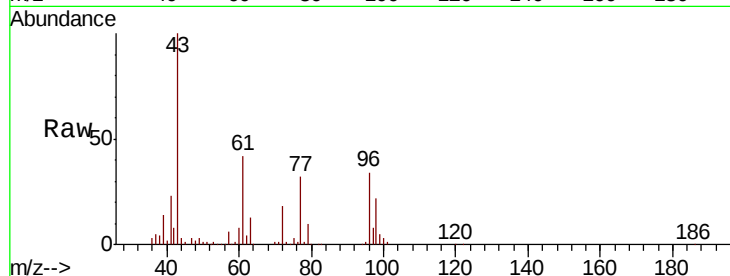
VSTDCCC050

Tot Ion: 43 Resp: 890536

Ion Ratio Lower Upper

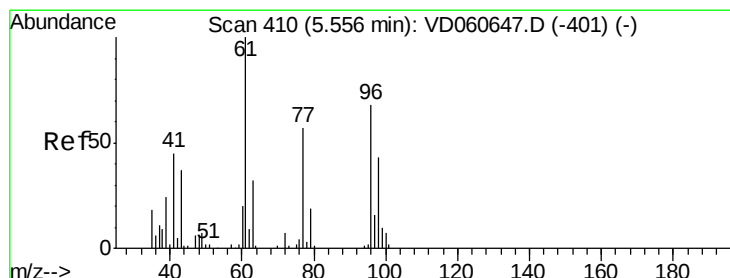
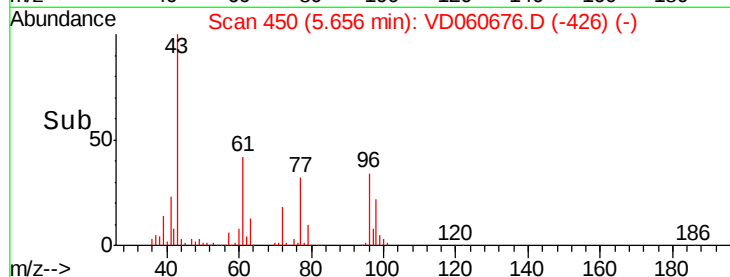
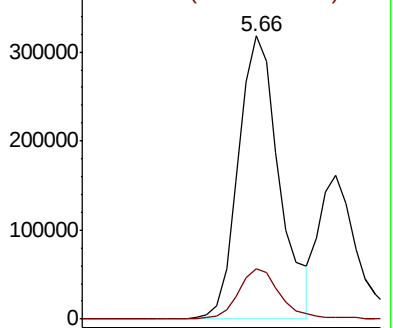
43 100

72 17.9 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.173 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.04 min

Lab File: VD060676.D

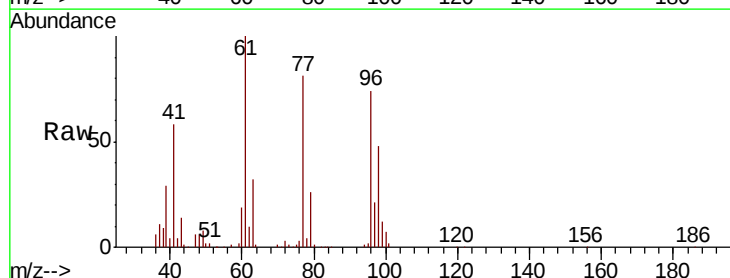
Acq: 21 Dec 2018 11:19

Tgt Ion: 77 Resp: 1082604

Ion Ratio Lower Upper

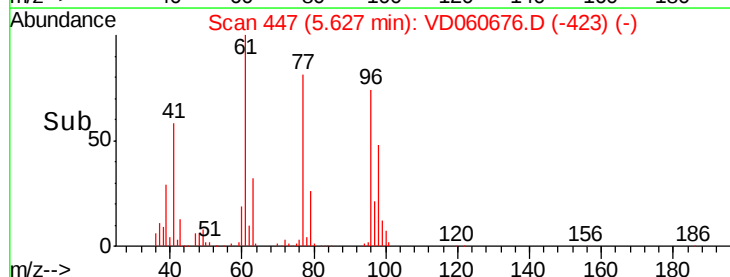
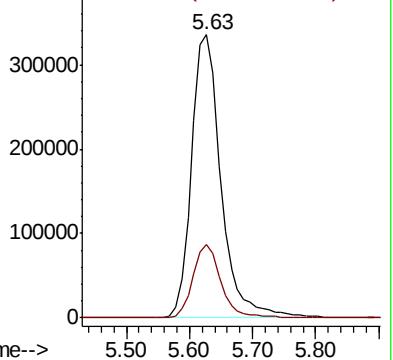
77 100

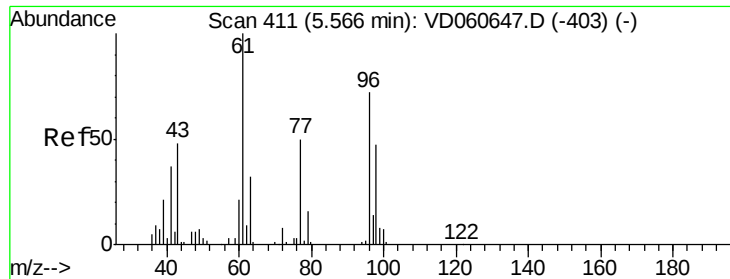
97 25.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



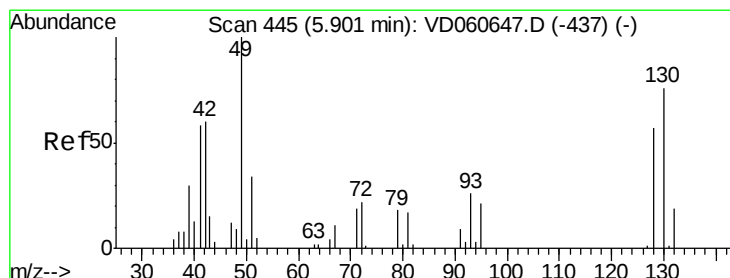
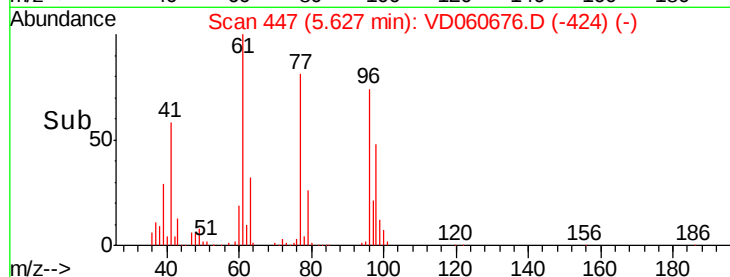
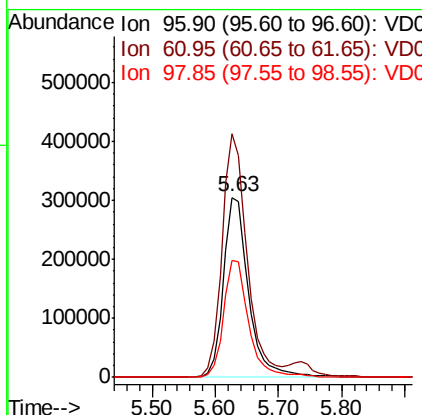
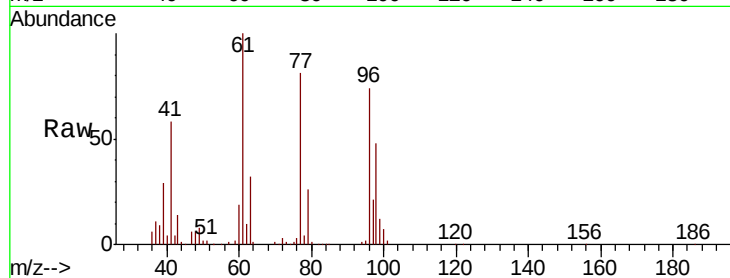


#27

cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 5.63 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

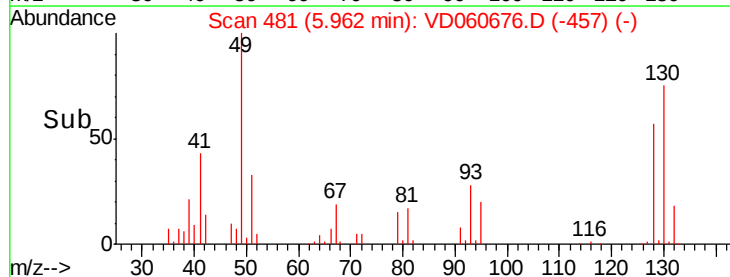
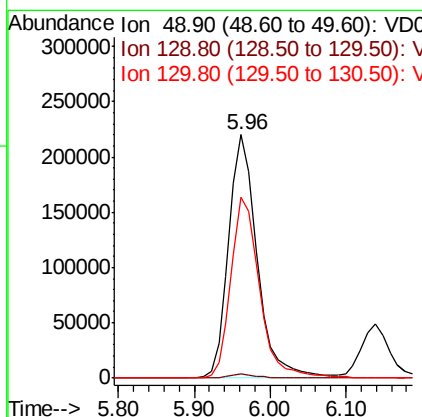
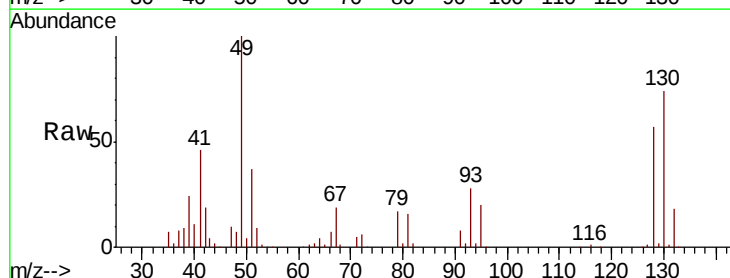
Tot Ion: 96 Resp: 842361
Ion Ratio Lower Upper
96 100
61 135.2 0.0 259.4
98 65.0 0.0 130.0

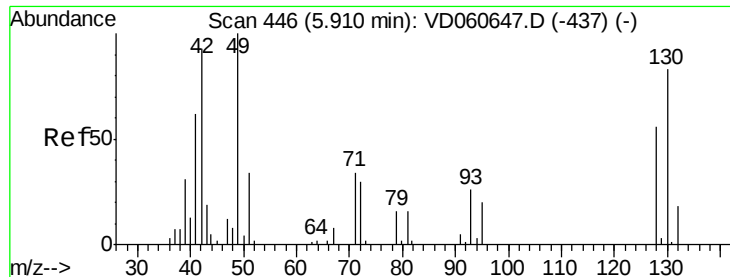


#28

Bromochloromethane
Concen: 53.649 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 49 Resp: 573795
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.4
130 74.3 56.2 84.2

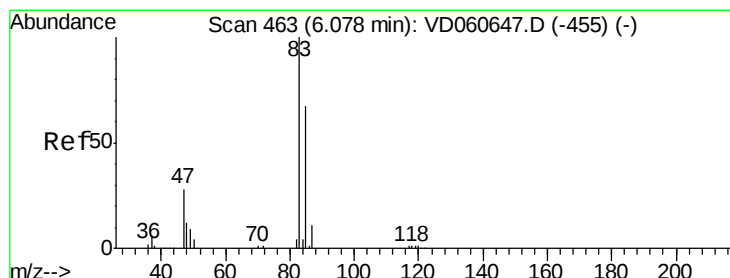
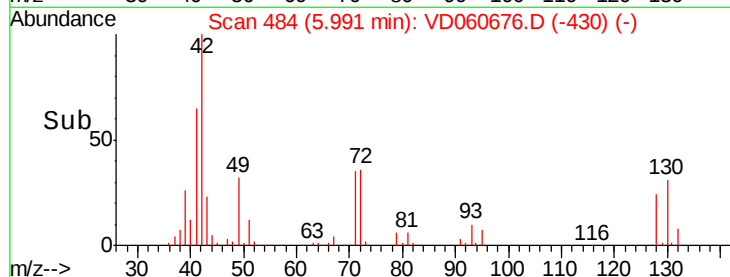
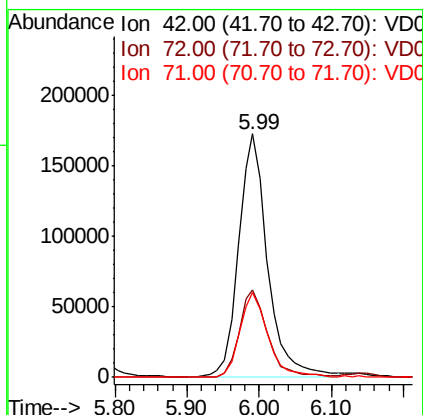
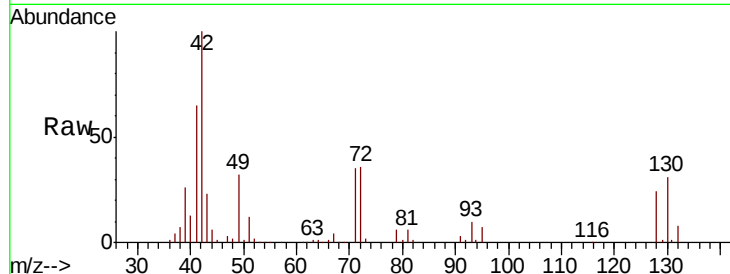




#29
Tetrahydrofuran
Concen: 262.596 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

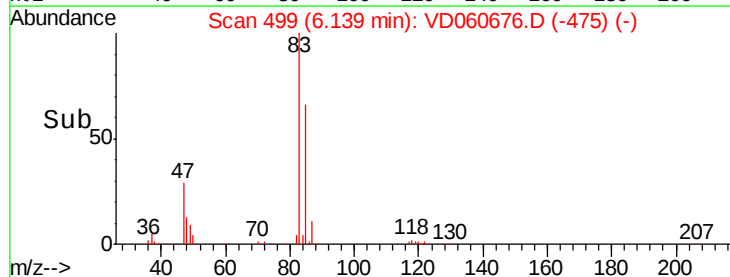
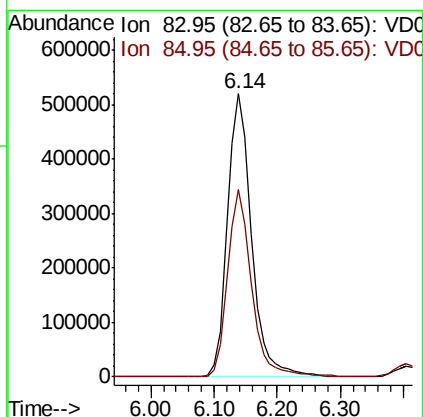
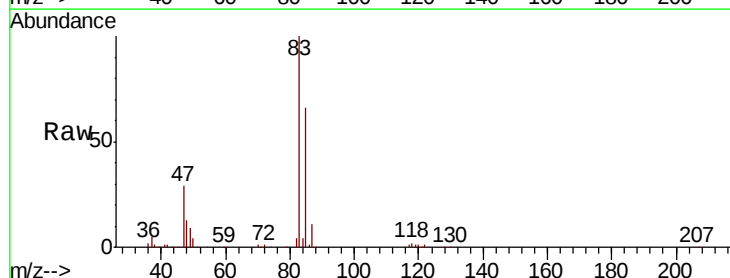
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

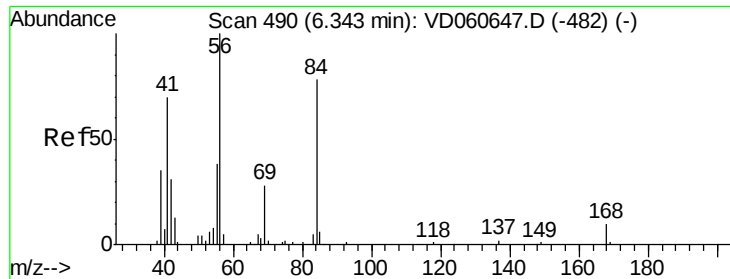
Tot Ion: 42 Resp: 479884
Ion Ratio Lower Upper
42 100
72 35.6 28.0 42.0
71 34.7 27.0 40.6



#30
Chloroform
Concen: 53.794 ug/l
RT: 6.14 min Scan# 499
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 83 Resp: 1370402
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.6





#31

Cyclohexane

Concen: 50.408 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.04 min

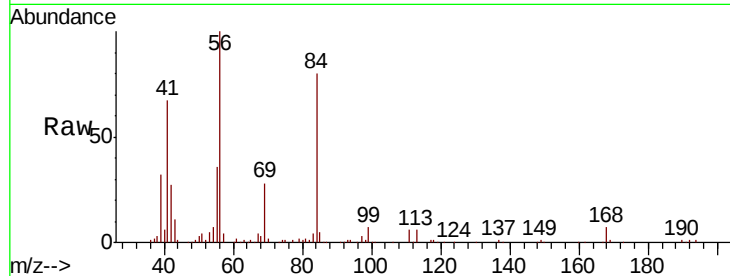
Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

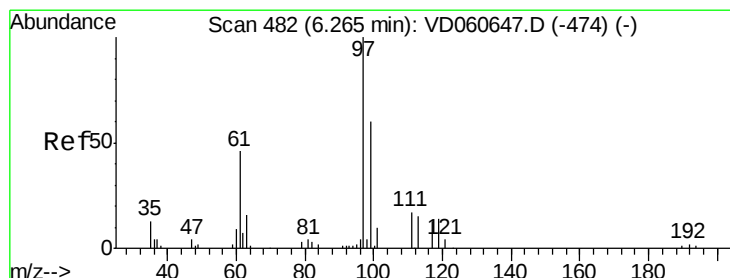
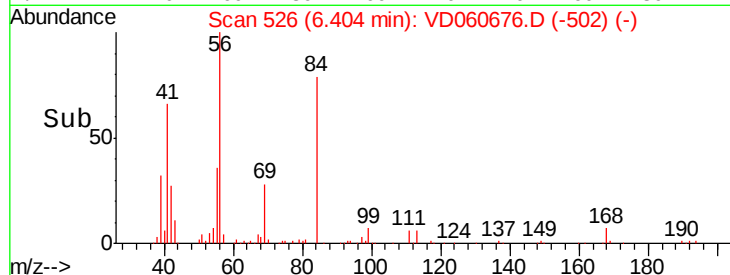
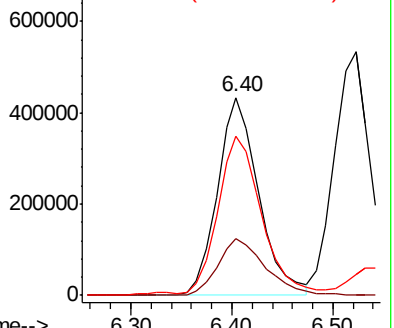
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1228135

Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.6	35.4
84	80.2	65.8	98.6



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



#32

1,1,1-Trichloroethane

Concen: 53.317 ug/l

RT: 6.33 min Scan# 518

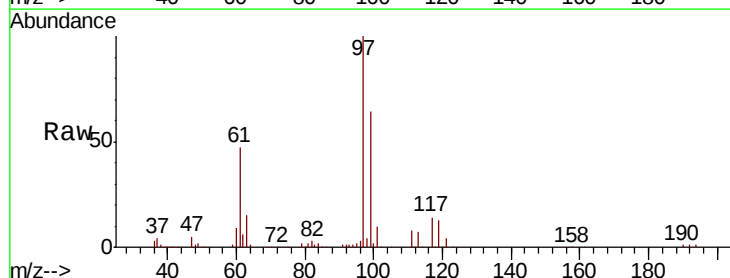
Delta R.T. 0.03 min

Lab File: VD060676.D

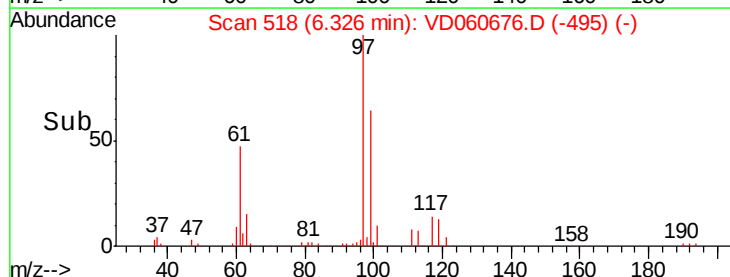
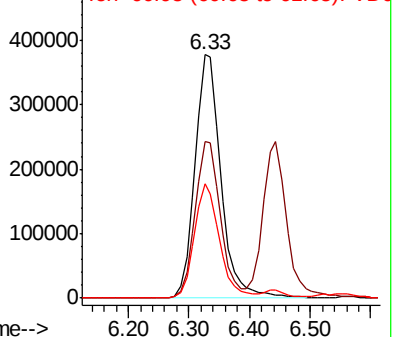
Acq: 21 Dec 2018 11:19

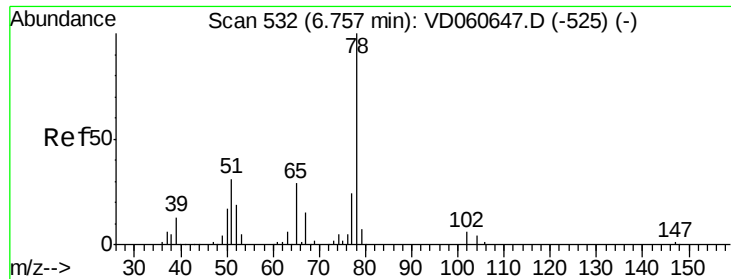
Tgt Ion: 97 Resp: 1123712

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	46.8	34.6	51.8



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





#33

1,2-Dichloroethane-d4

Concen: 53.317 ug/l

RT: 6.82 min Scan# 568

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

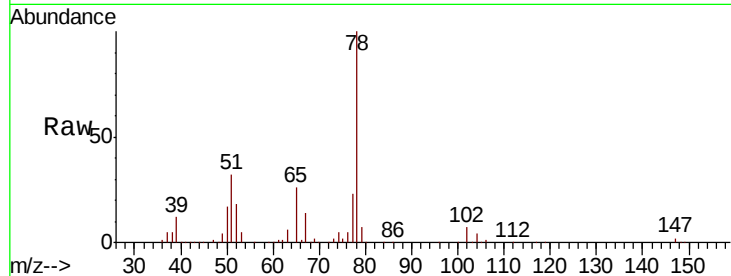
VSTDCCC050

Tot Ion: 65 Resp: 507405

Ion Ratio Lower Upper

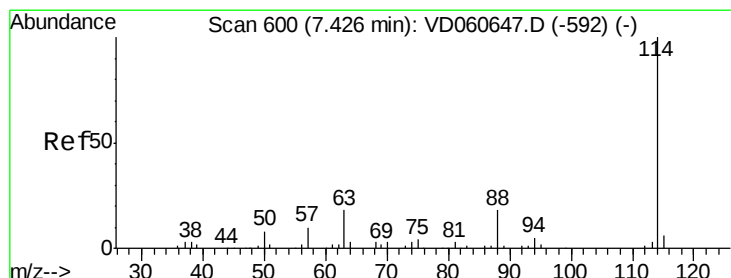
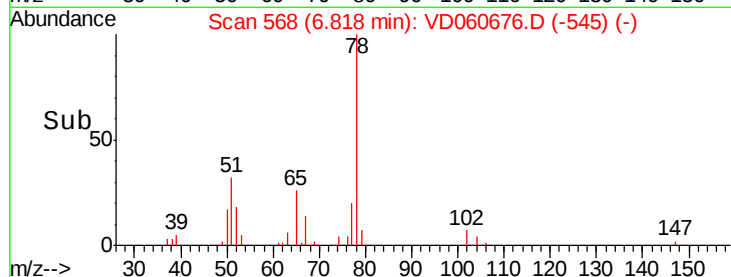
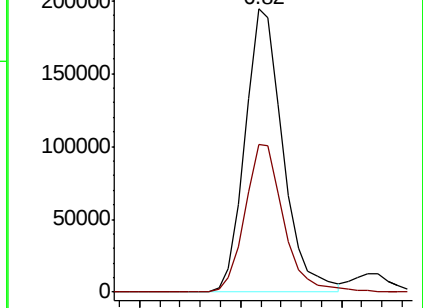
65 100

67 52.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 635

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

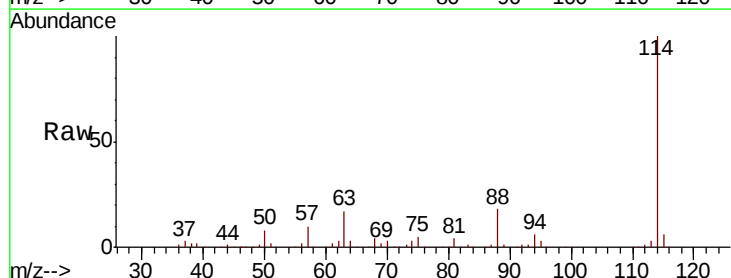
Tgt Ion: 114 Resp: 1930219

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.2

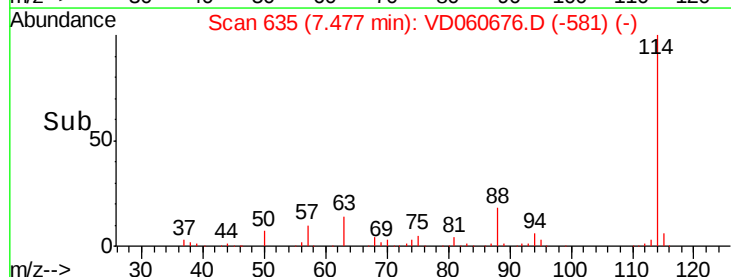
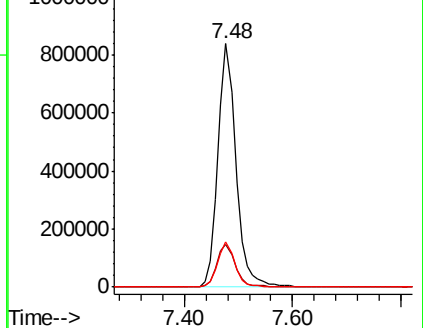
88 18.4 0.0 37.0

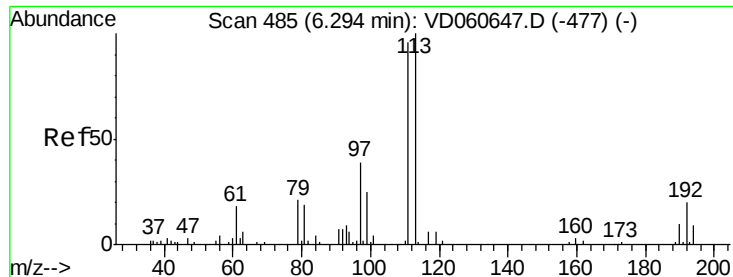


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

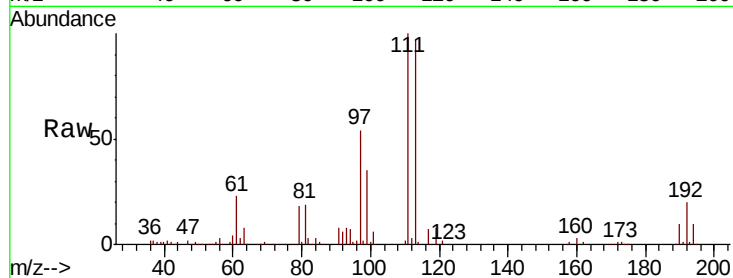




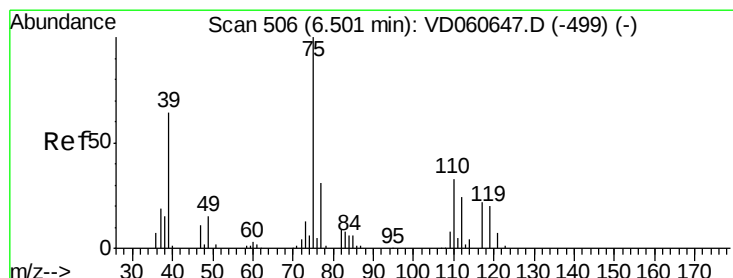
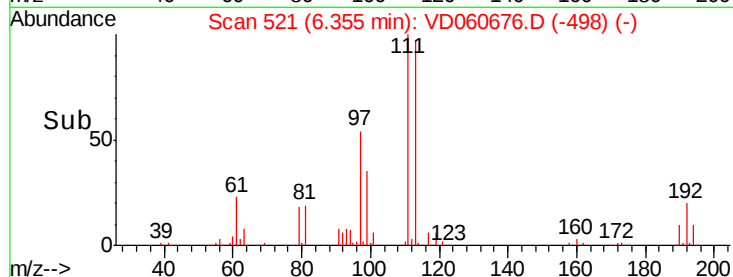
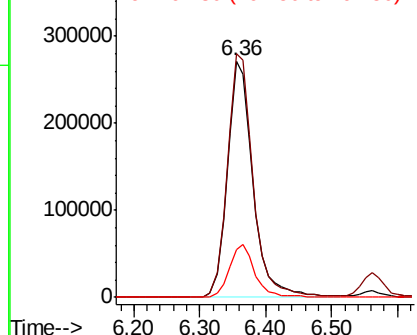
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.36 min Scan# 521
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 737534
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.0 120.0
 192 20.4 16.6 25.0

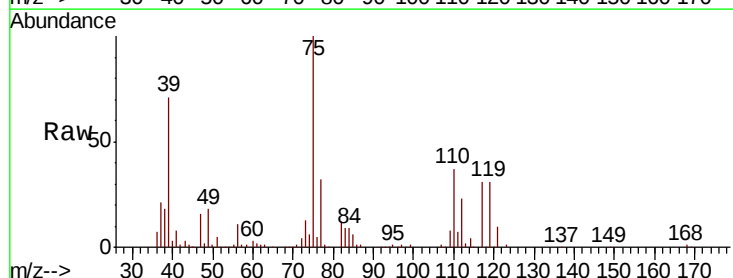


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

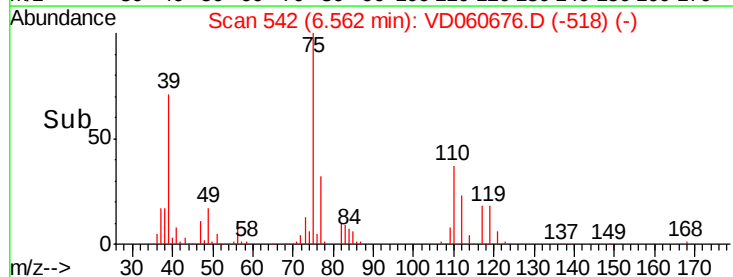
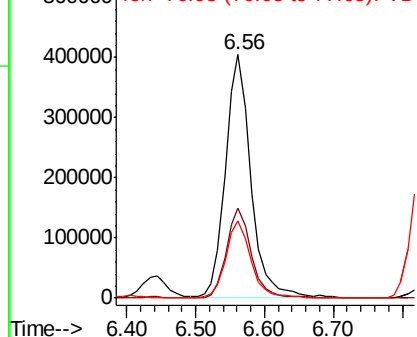


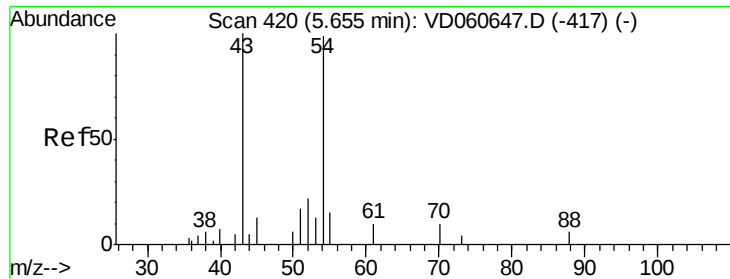
#36
 1,1-Dichloropropene
 Concen: 51.712 ug/l
 RT: 6.56 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 75 Resp: 1027831
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.9 56.7
 77 31.8 25.4 38.0



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





#37

Ethyl Acetate

Concen: 51.271 ug/l

RT: 5.74 min Scan# 458

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

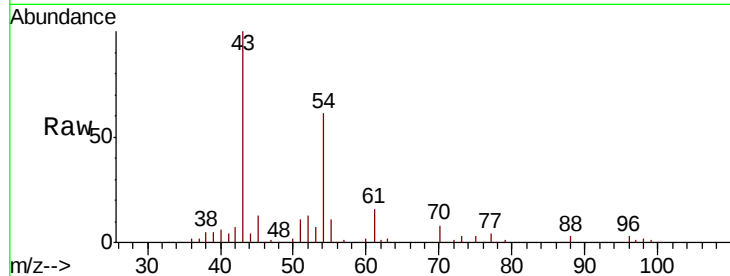
Tot Ion: 43 Resp: 426197

Ion Ratio Lower Upper

43 100

61 16.2 11.8 17.6

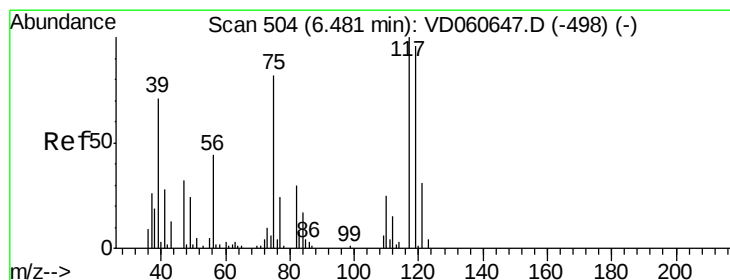
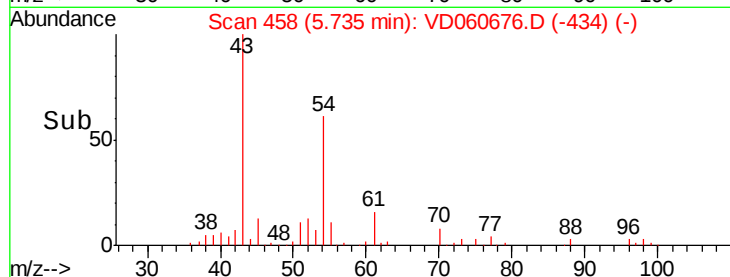
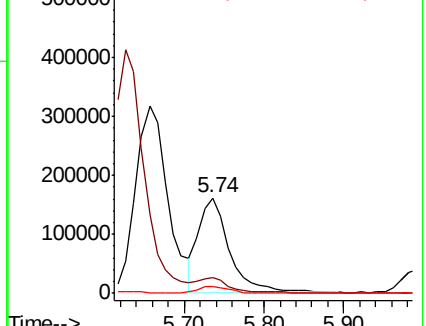
70 7.6 5.8 8.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 53.018 ug/l

RT: 6.54 min Scan# 540

Delta R.T. 0.05 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

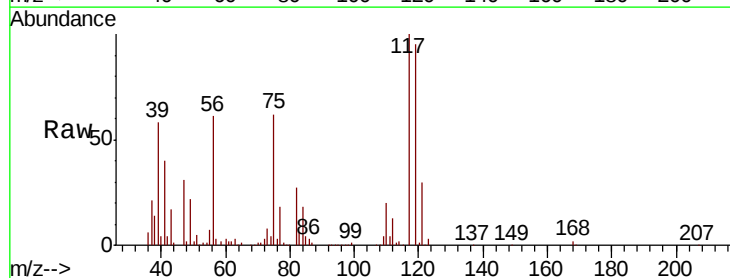
Tgt Ion: 117 Resp: 929660

Ion Ratio Lower Upper

117 100

119 94.9 77.0 115.4

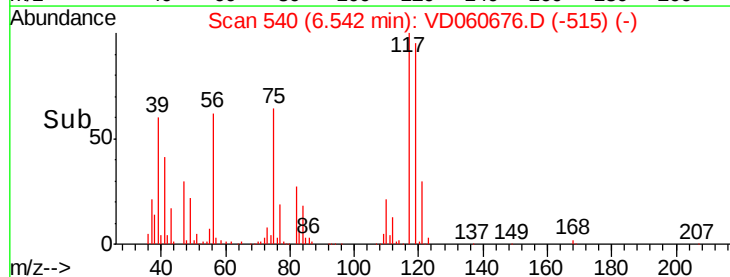
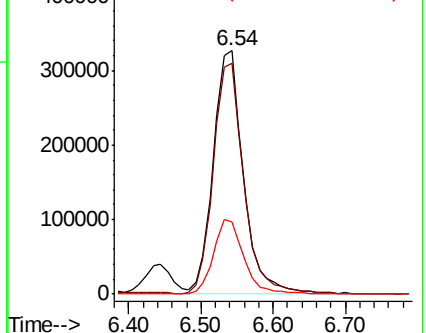
121 29.6 24.7 37.1

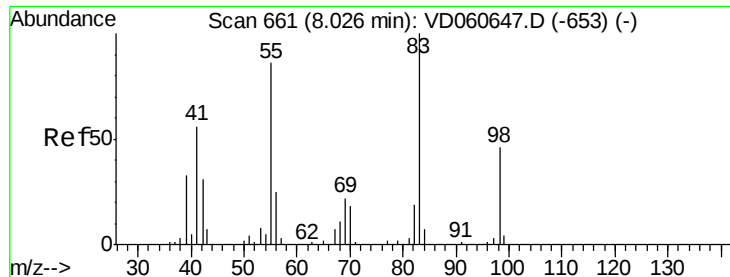


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

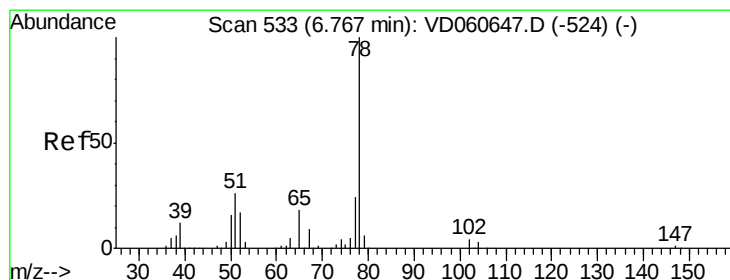
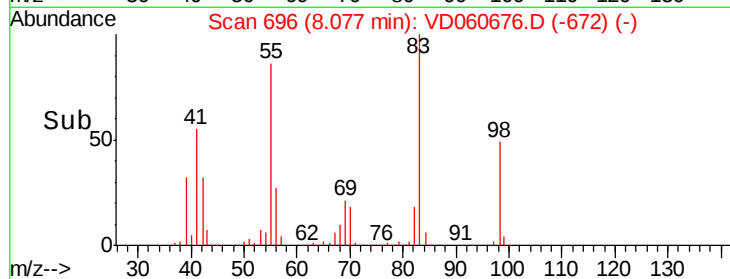
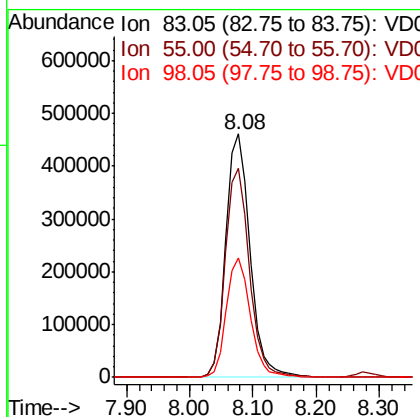
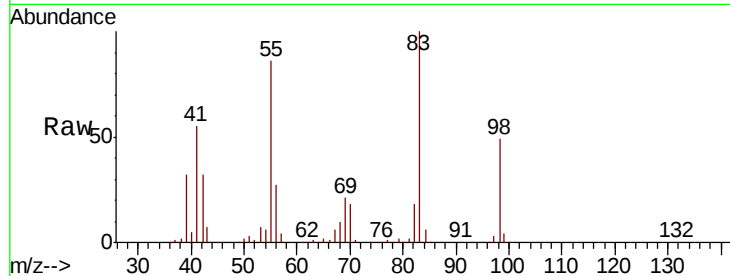




#39
Methvlcvclohexane
Concen: 53.926 ug/l
RT: 8.08 min Scan# 696
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

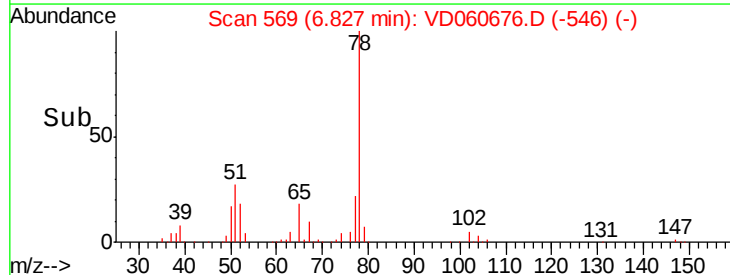
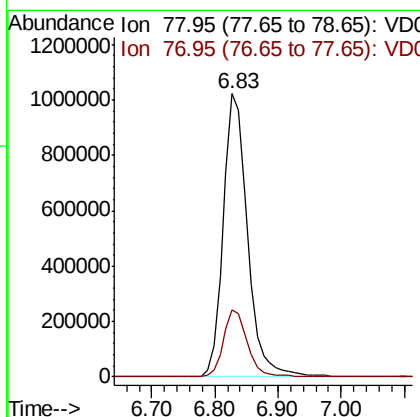
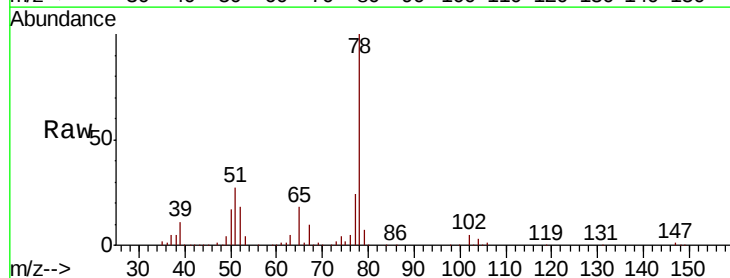
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

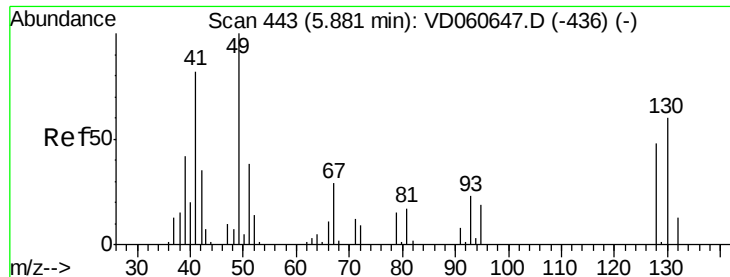
Tot Ion: 83 Resp: 1222422
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 49.2 38.1 57.1



#40
Benzene
Concen: 53.224 ug/l
RT: 6.83 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 78 Resp: 2732574
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 113.538 ug/l

RT: 5.99 min Scan# 484

Delta R.T. 0.07 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 522052

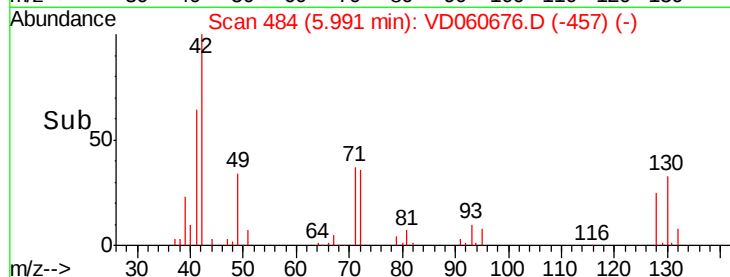
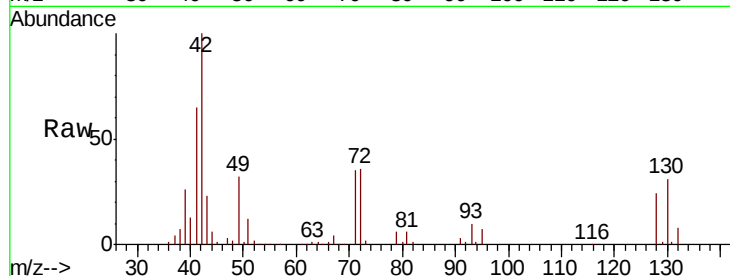
Ion Ratio Lower Upper

41 100

39 40.9 37.6 56.4

67 6.8 33.0 49.6#

52 3.2 15.5 23.3#

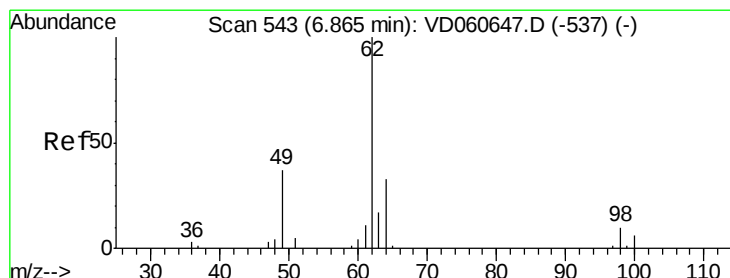
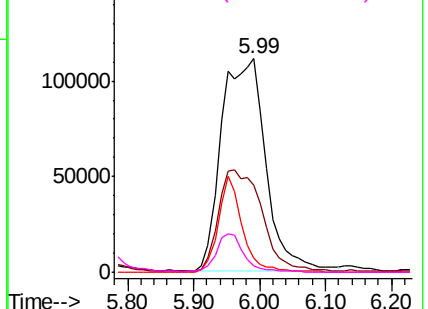


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.119 ug/l

RT: 6.93 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD060676.D

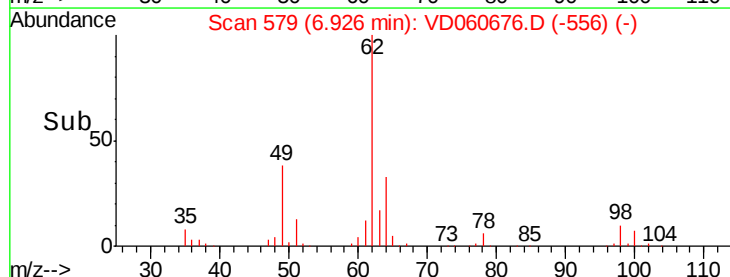
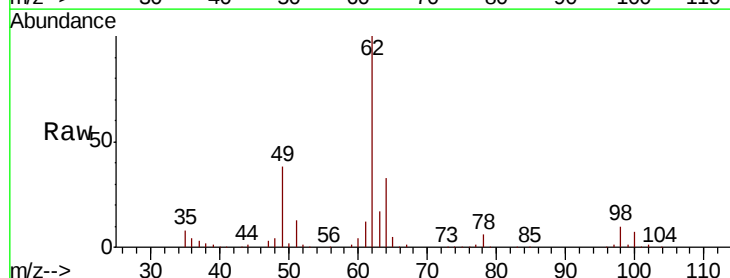
Acq: 21 Dec 2018 11:19

Tgt Ion: 62 Resp: 676768

Ion Ratio Lower Upper

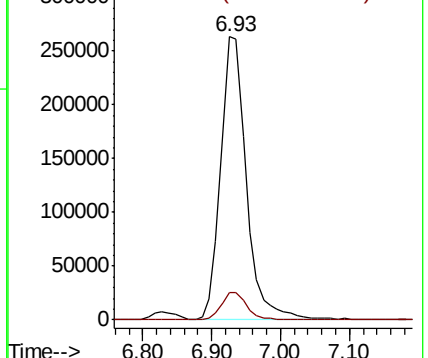
62 100

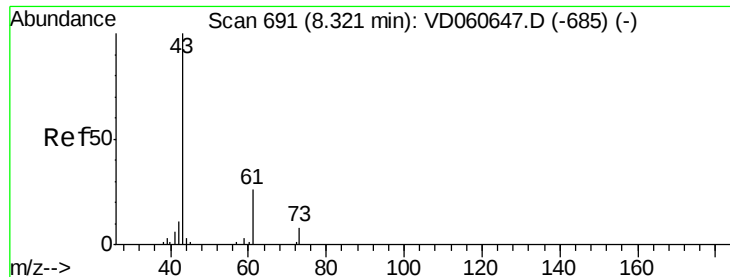
98 9.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.346 ug/l

RT: 8.38 min Scan# 727

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

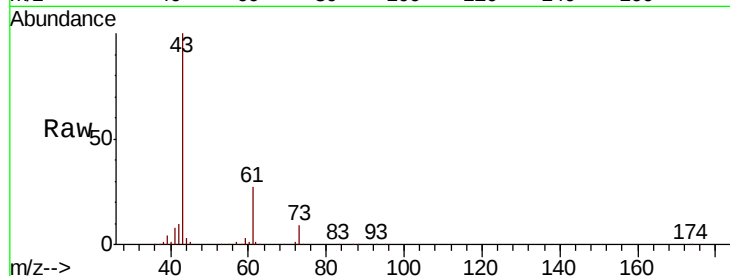
Tot Ion: 43 Resp: 579734

Ion Ratio Lower Upper

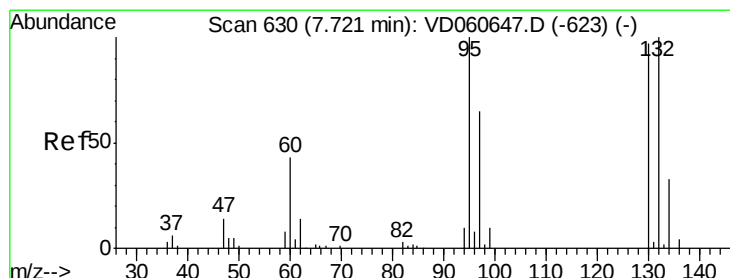
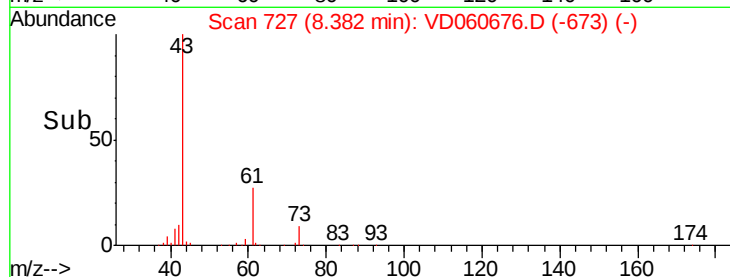
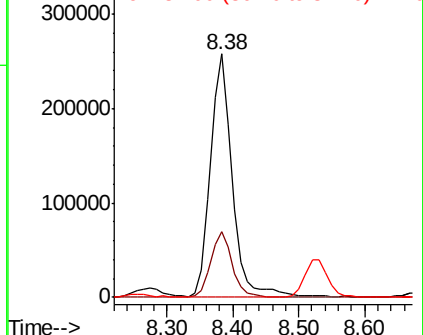
43 100

61 27.1 21.8 32.8

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 54.551 ug/l

RT: 7.77 min Scan# 665

Delta R.T. 0.03 min

Lab File: VD060676.D

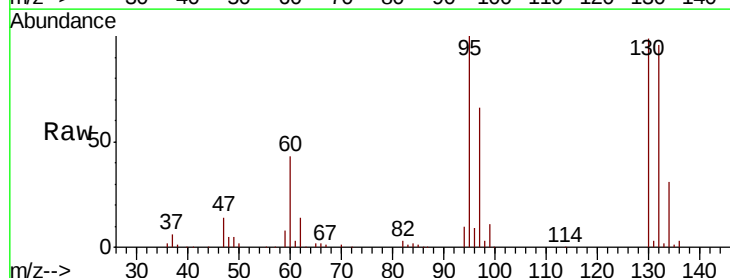
Acq: 21 Dec 2018 11:19

Tgt Ion:130 Resp: 828936

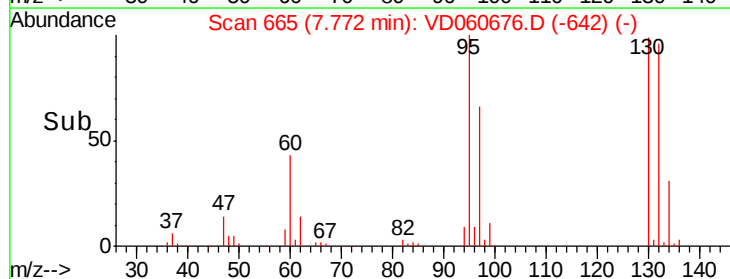
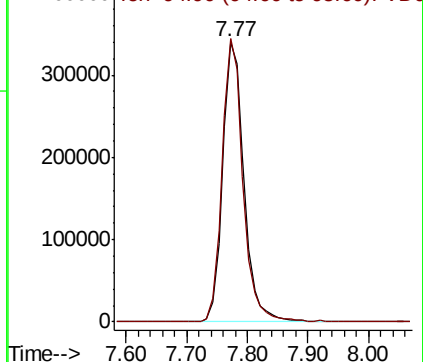
Ion Ratio Lower Upper

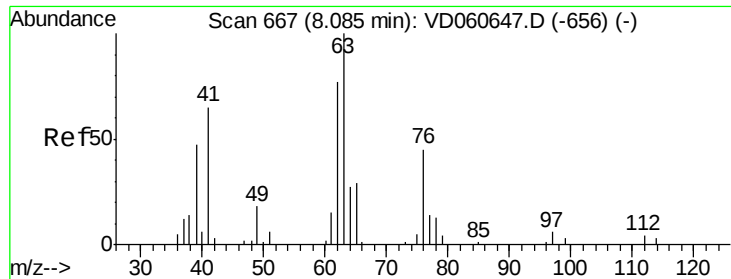
130 100

95 101.2 0.0 193.6



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

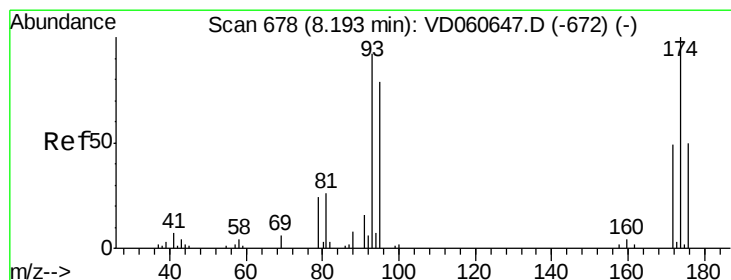
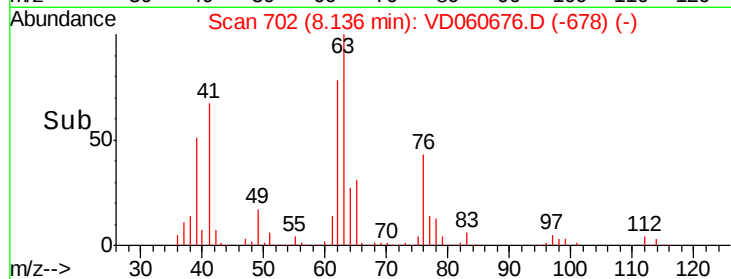
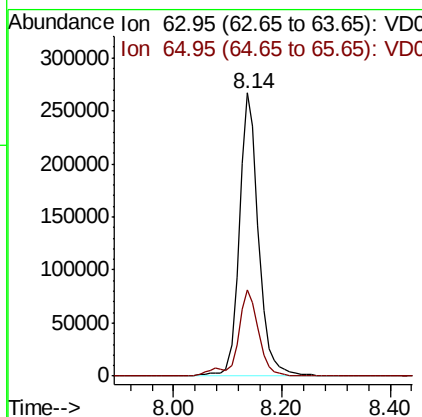
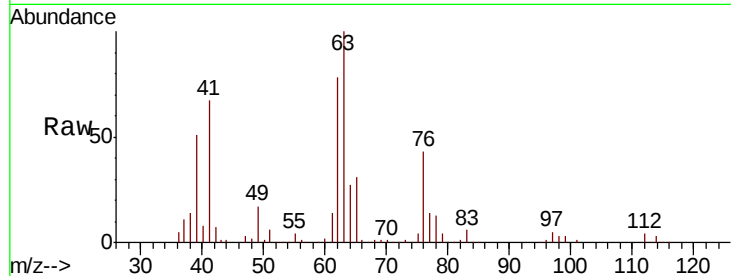




#45
 1,2-Dichloropropane
 Concen: 52.413 ug/l
 RT: 8.14 min Scan# 702
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

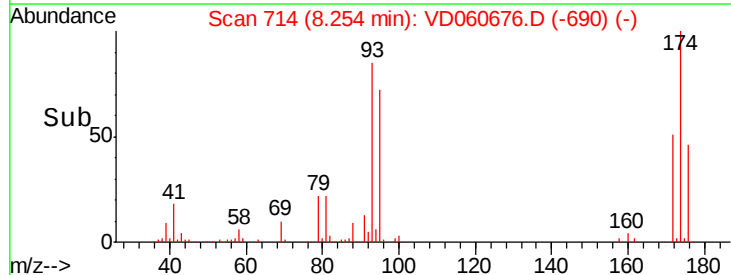
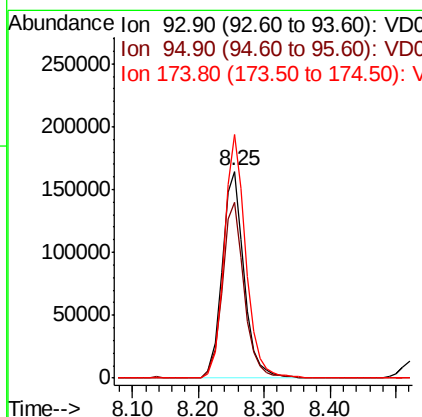
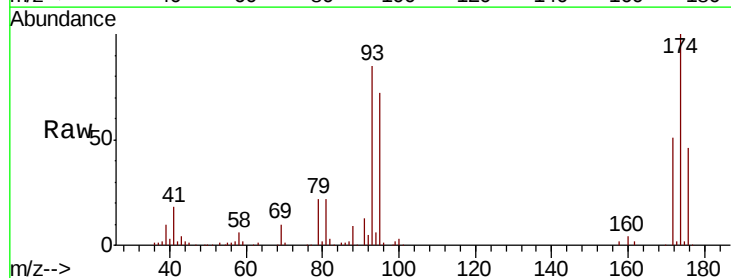
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

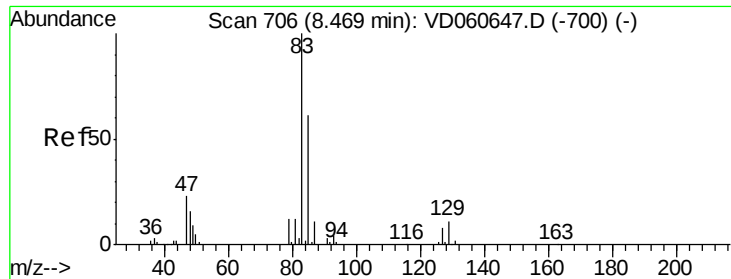
Tot Ion: 63 Resp: 659925
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 52.849 ug/l
 RT: 8.25 min Scan# 714
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 93 Resp: 379775
 Ion Ratio Lower Upper
 93 100
 95 85.3 68.8 103.2
 174 117.8 93.0 139.4





#47

Bromodichloromethane

Concen: 54.350 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

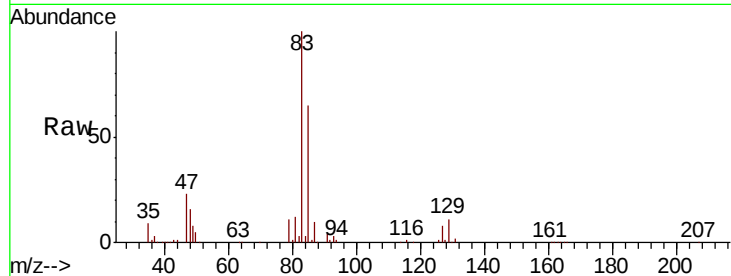
Tot Ion: 83 Resp: 925041

Ion Ratio Lower Upper

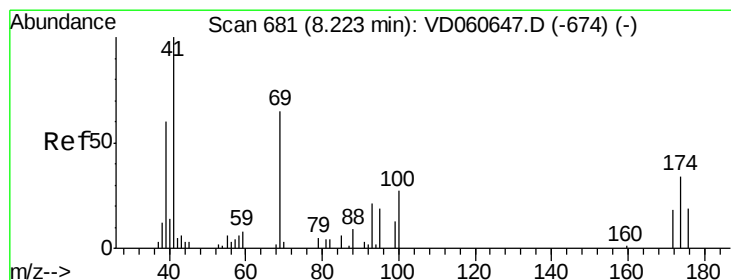
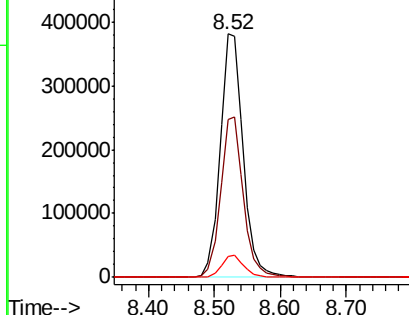
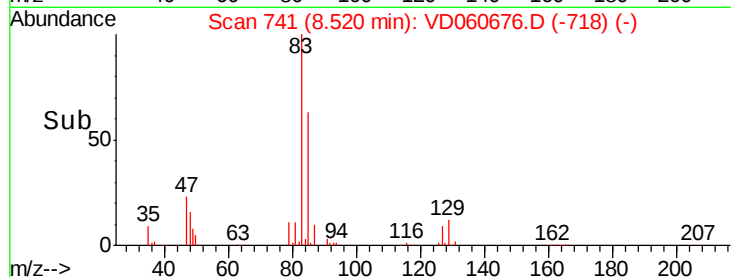
83 100

85 64.8 51.1 76.7

127 8.5 7.0 10.6



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: 53.304 ug/l

RT: 8.27 min Scan# 716

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

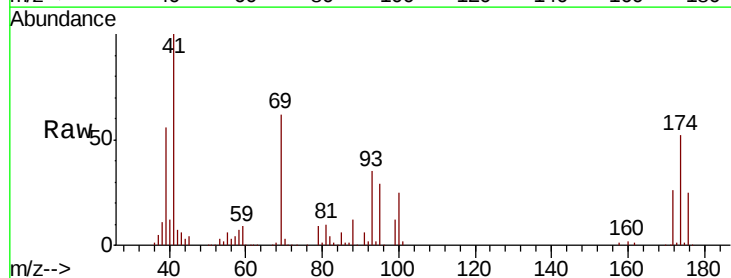
Tgt Ion: 41 Resp: 345360

Ion Ratio Lower Upper

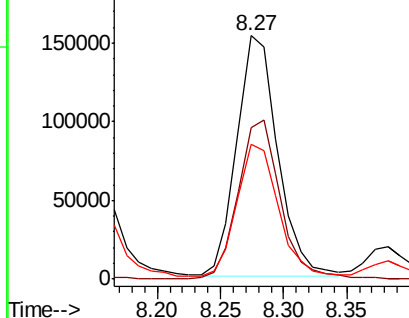
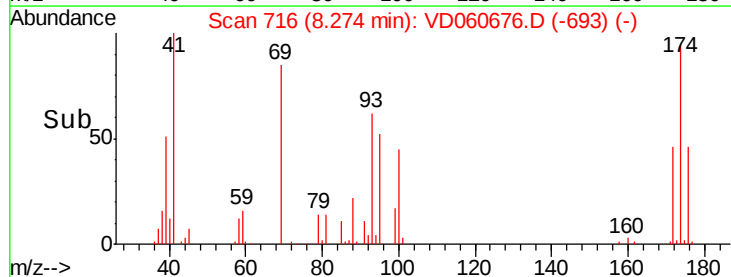
41 100

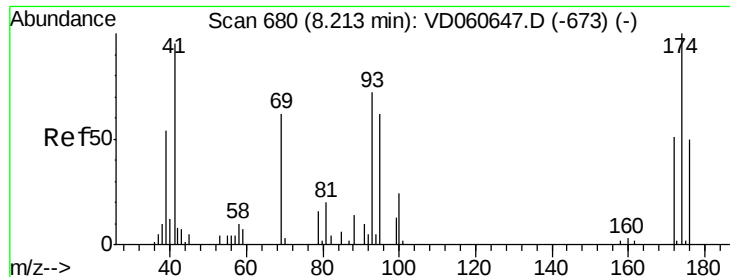
69 62.4 51.2 76.8

39 55.5 44.6 67.0



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

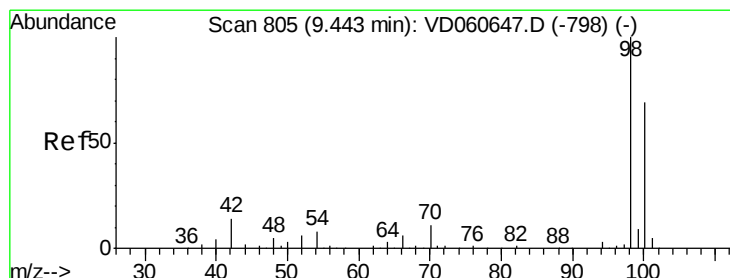
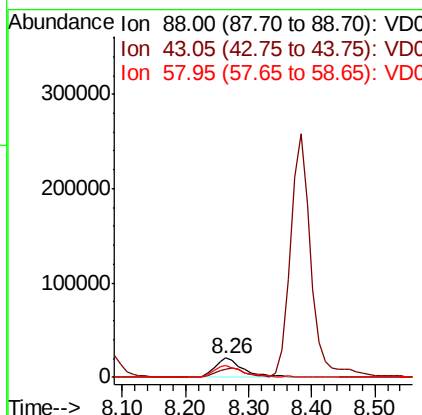
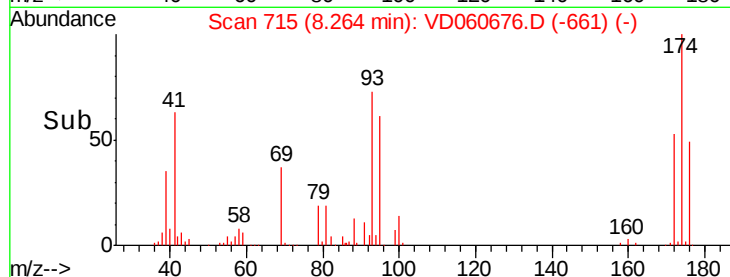
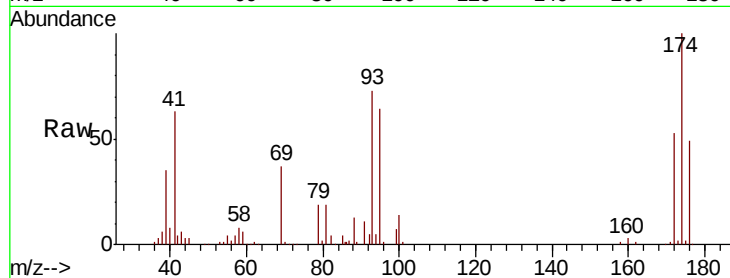




#49
1,4-Dioxane
Concen: 1094.545 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

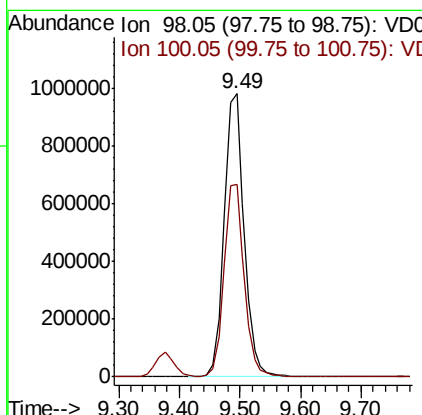
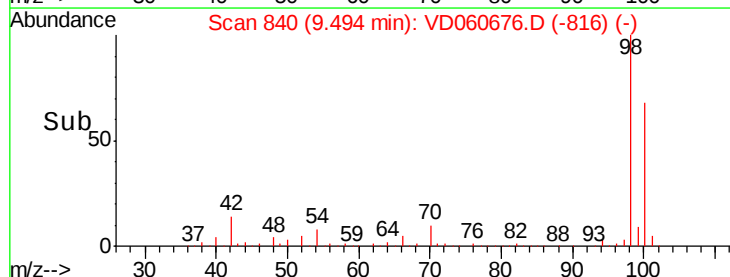
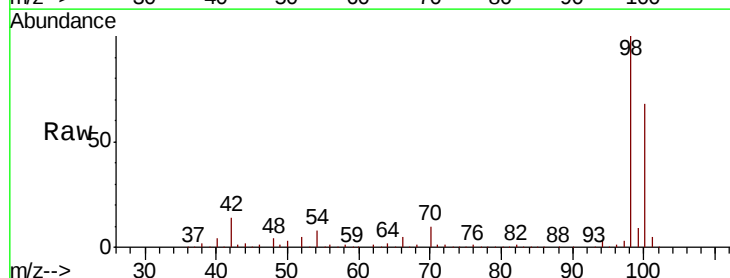
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

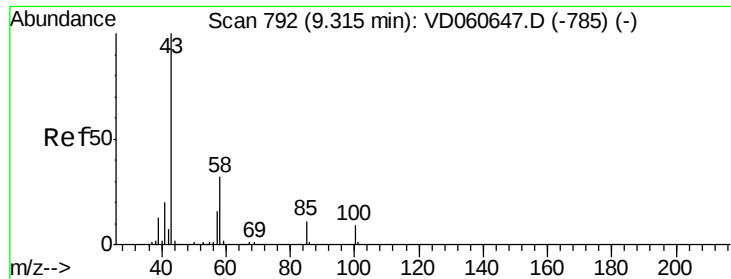
Tot Ion: 88 Resp: 65937
Ion Ratio Lower Upper
88 100
43 43.5 31.5 47.3
58 59.7 50.6 76.0



#50
Toluene-d8
Concen: 1094.545 ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 98 Resp: 2243080
Ion Ratio Lower Upper
98 100
100 68.0 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 270.430 ug/l

RT: 9.38 min Scan# 828

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

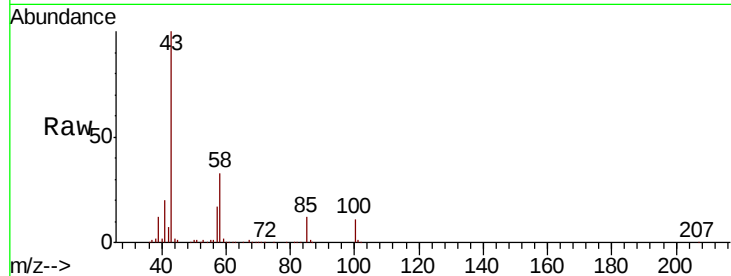
VSTDCCC050

Tot Ion: 43 Resp: 1767434

Ion Ratio Lower Upper

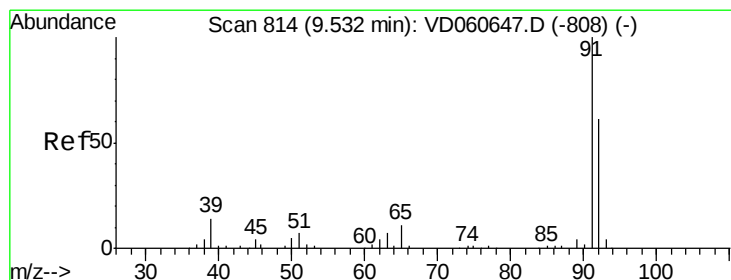
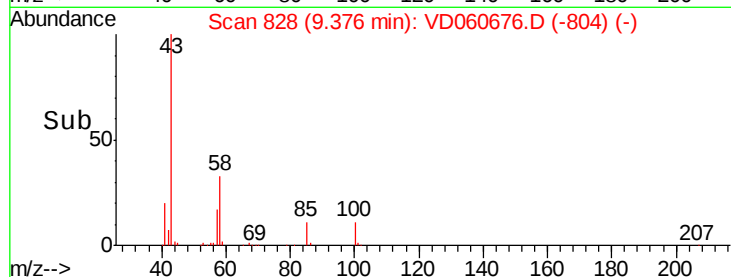
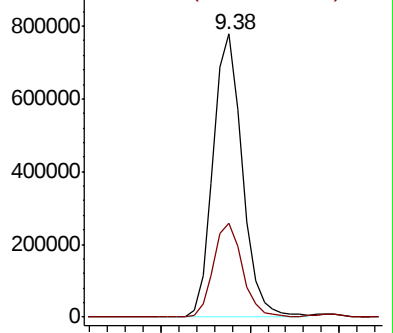
43 100

58 33.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.414 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.04 min

Lab File: VD060676.D

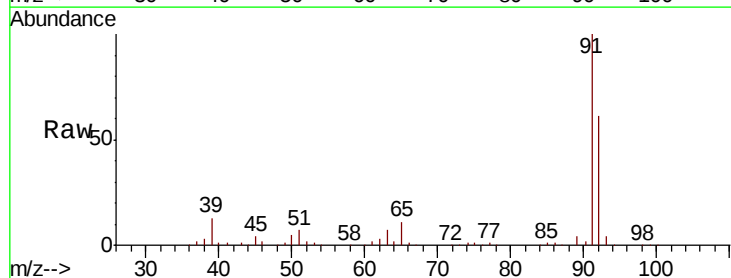
Acq: 21 Dec 2018 11:19

Tgt Ion: 92 Resp: 1654758

Ion Ratio Lower Upper

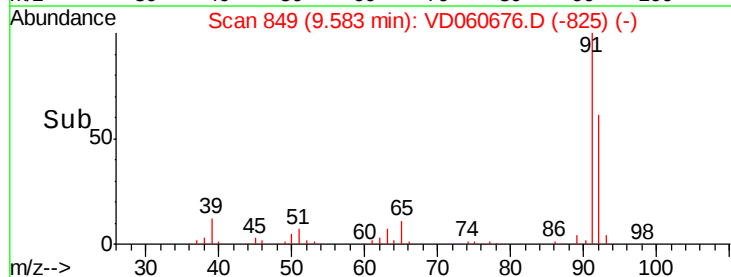
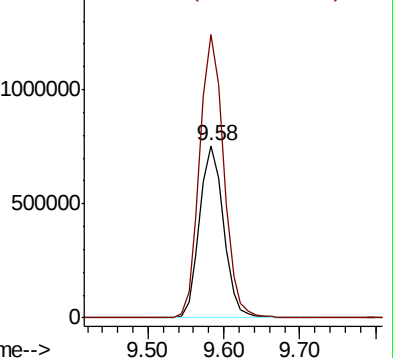
92 100

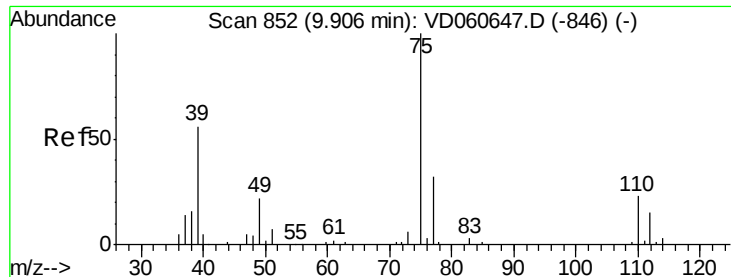
91 164.4 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.848 ug/l

RT: 9.95 min Scan# 886

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

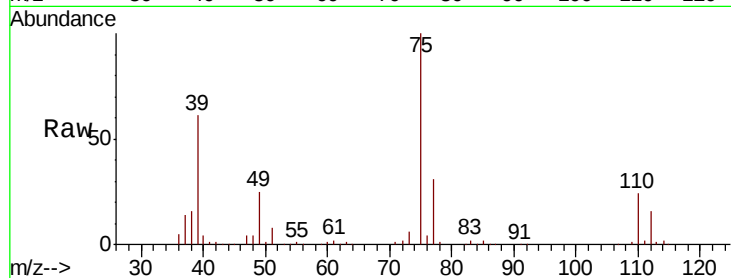
VSTDCCC050

Tot Ion: 75 Resp: 778809

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.95

400000

300000

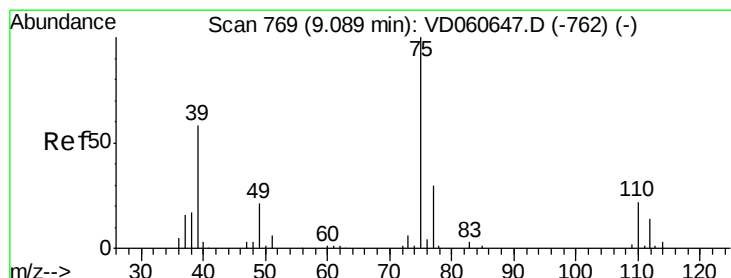
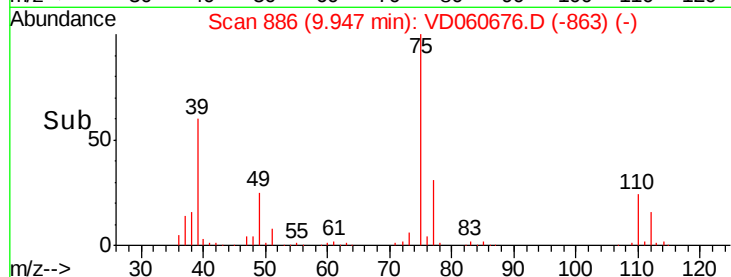
200000

100000

0

Time-->

9.80 10.00 10.20



#54

cis-1,3-Dichloropropene

Concen: 54.205 ug/l

RT: 9.14 min Scan# 804

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

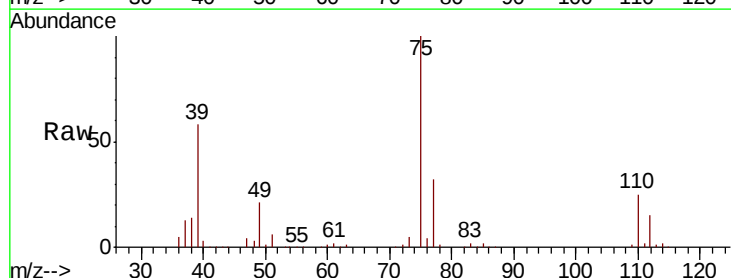
Tgt Ion: 75 Resp: 1007442

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 57.8 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

600000

500000

400000

300000

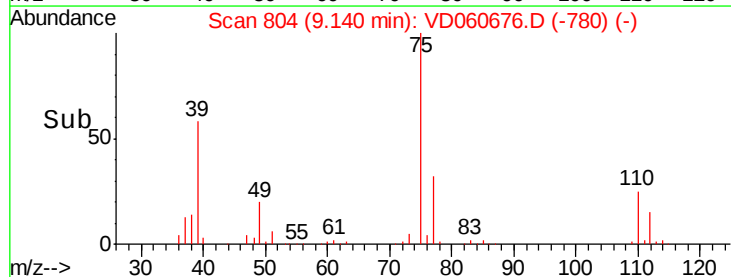
200000

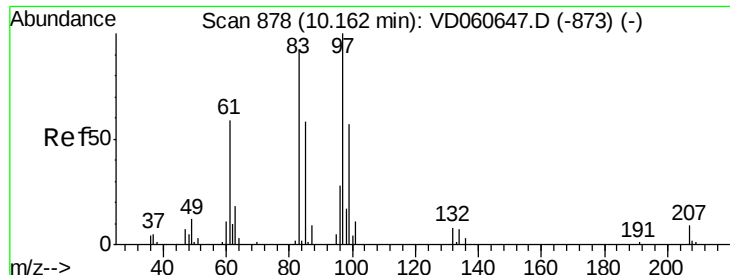
100000

0

Time-->

9.00 9.10 9.20 9.30

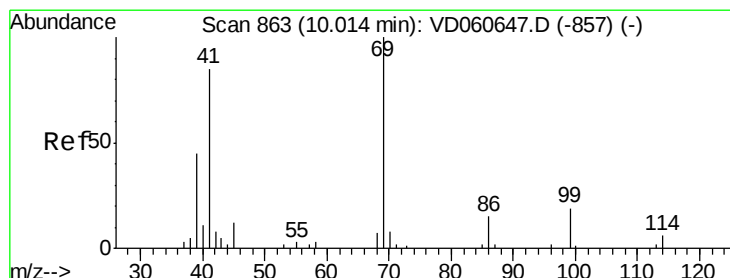
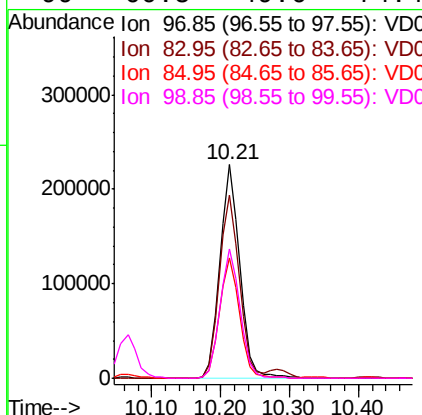
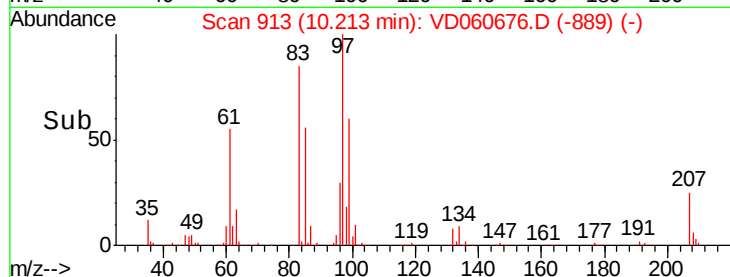
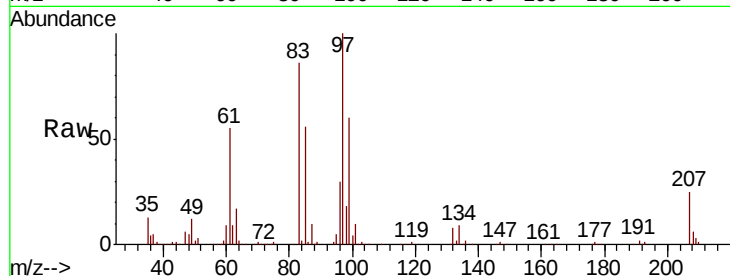




#55
1,1,2-Trichloroethane
Concen: 52.334 ug/l
RT: 10.21 min Scan# 913
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

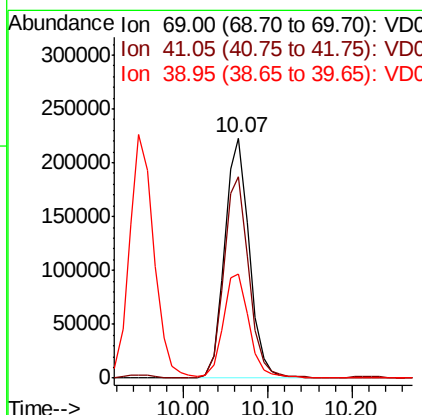
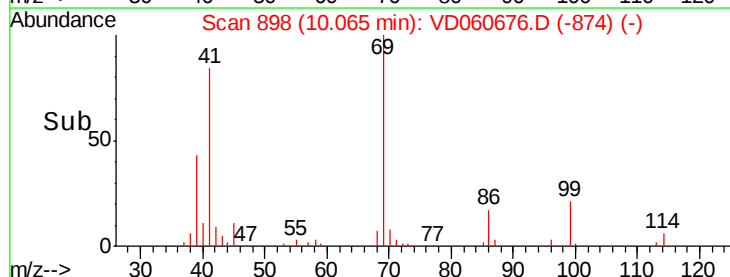
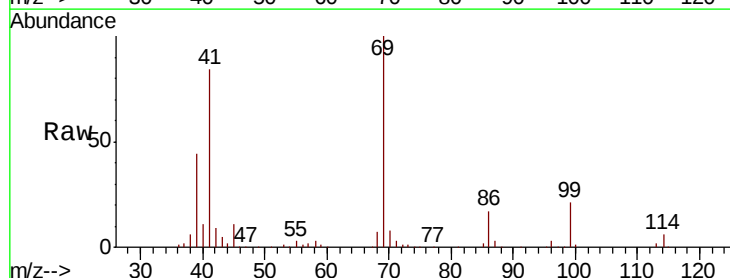
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

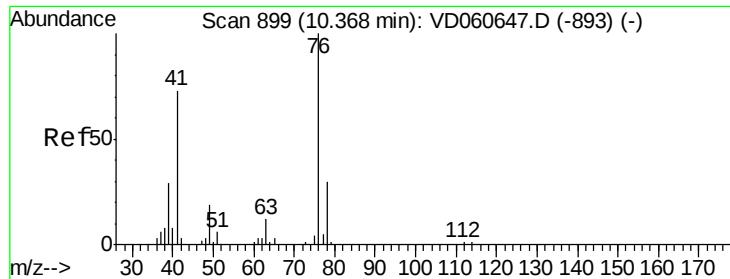
Tot Ion:	97	Resp:	453199
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.0	105.0
85	56.4	46.6	70.0
99	60.5	49.6	74.4



#56
Ethyl methacrylate
Concen: 56.105 ug/l
RT: 10.07 min Scan# 898
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:	69	Resp:	451277
Ion	Ratio	Lower	Upper
69	100		
41	83.7	68.3	102.5
39	43.6	37.2	55.8





#57

1,3-Dichloropropane

Concen: 52.643 ug/l

RT: 10.41 min Scan# 933

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

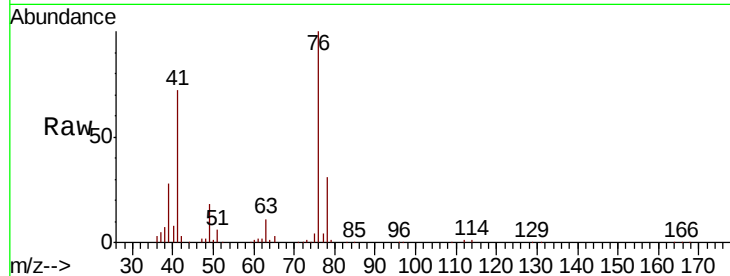
VSTDCCC050

Tot Ion: 76 Resp: 722586

Ion Ratio Lower Upper

76 100

78 31.4 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

400000

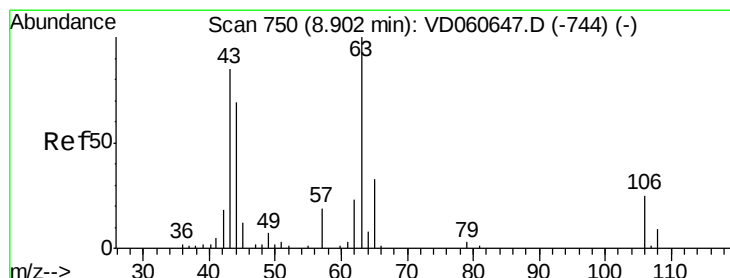
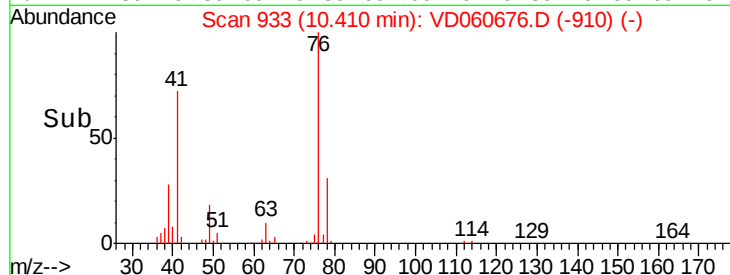
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 243.262 ug/l

RT: 8.95 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD060676.D

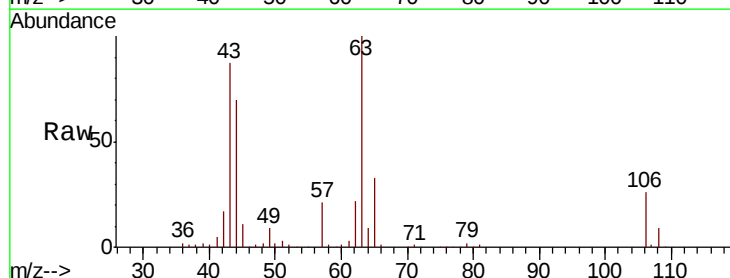
Acq: 21 Dec 2018 11:19

Tgt Ion: 63 Resp: 1152908

Ion Ratio Lower Upper

63 100

106 26.4 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.95

600000

500000

400000

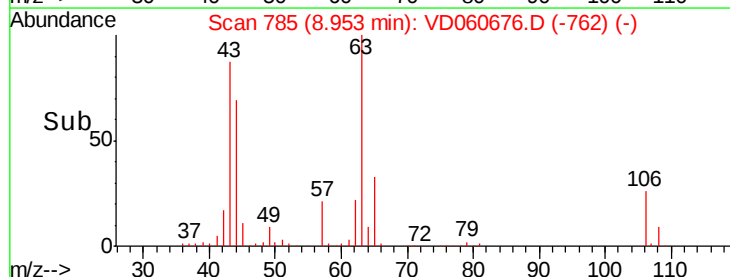
300000

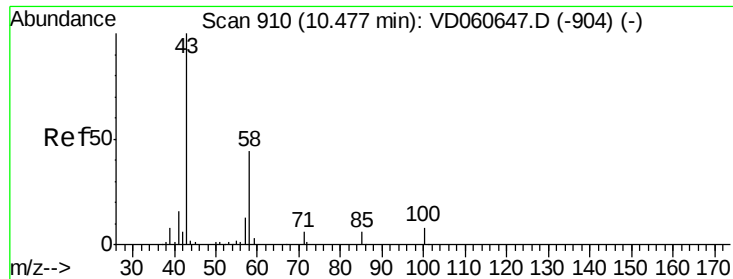
200000

100000

0

Time-->

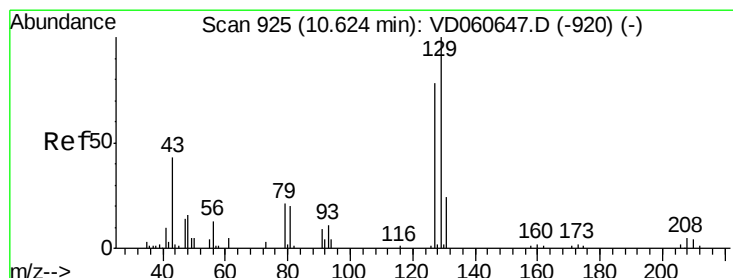
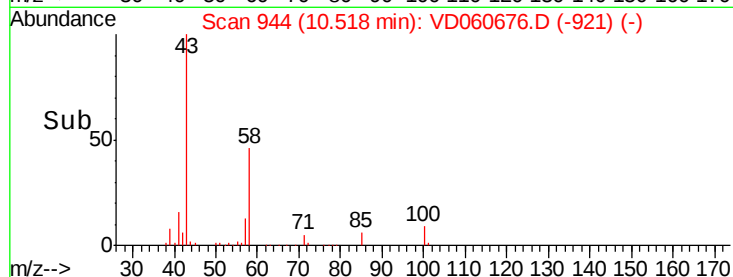
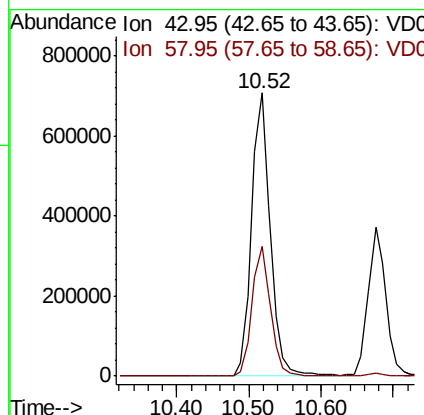
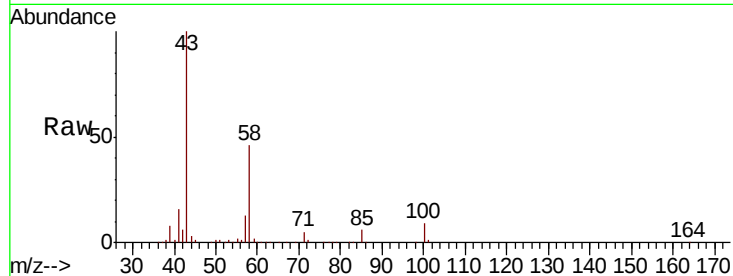




#59
2-Hexanone
Concen: 281.533 ug/l
RT: 10.52 min Scan# 944
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

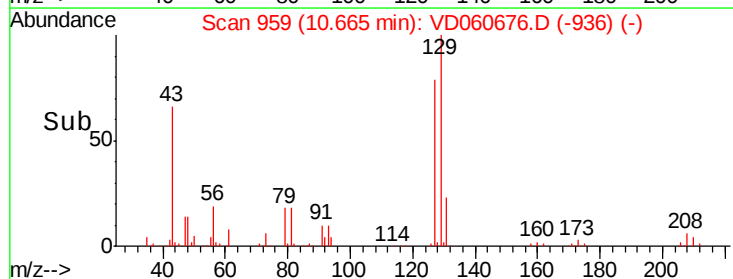
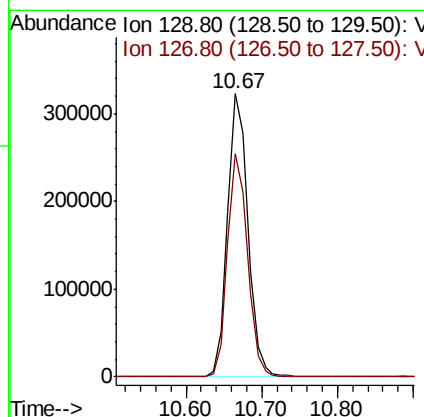
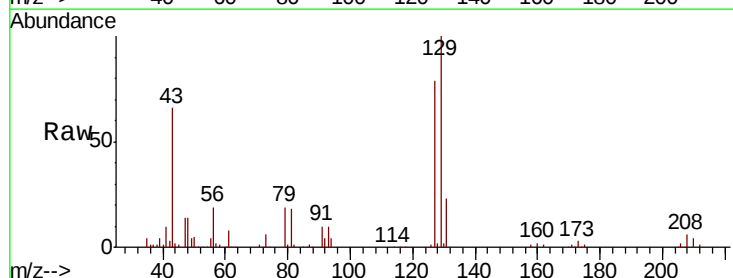
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

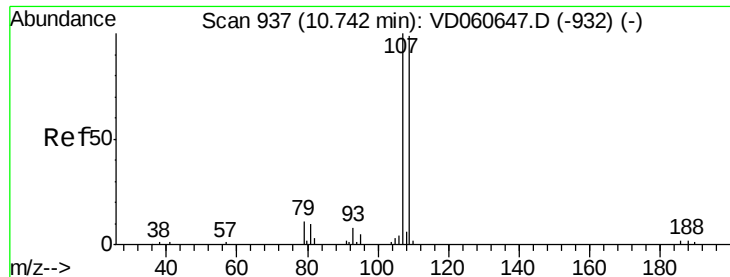
Tot Ion: 43 Resp: 1287934
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.5



#60
Dibromochloromethane
Concen: 54.691 ug/l
RT: 10.67 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 129 Resp: 603264
Ion Ratio Lower Upper
129 100
127 78.9 37.6 112.9

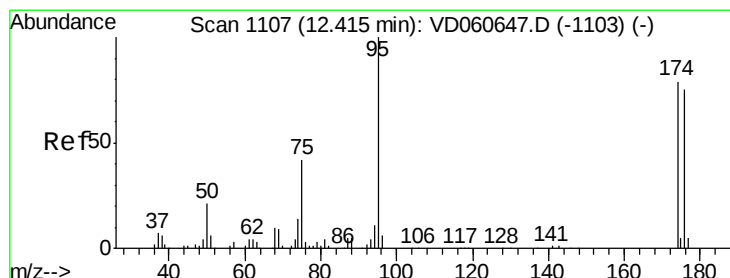
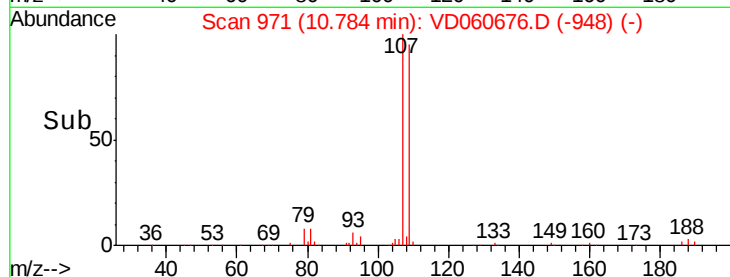
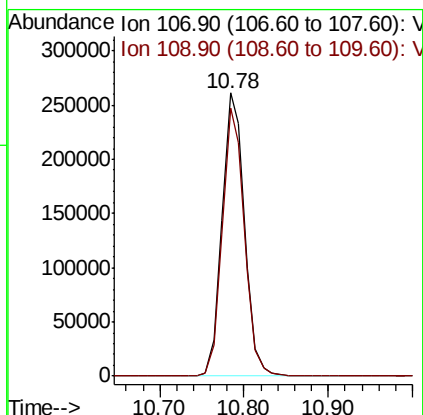
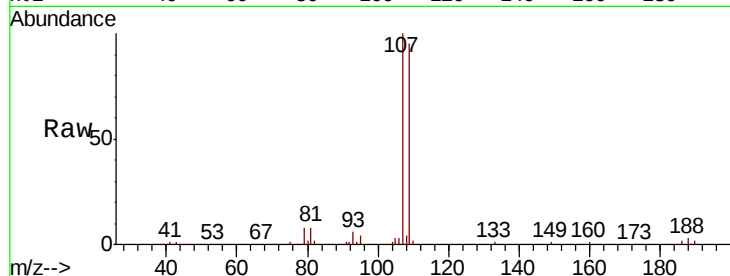




#61
1,2-Dibromoethane
Concen: 53.449 ug/l
RT: 10.78 min Scan# 971
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

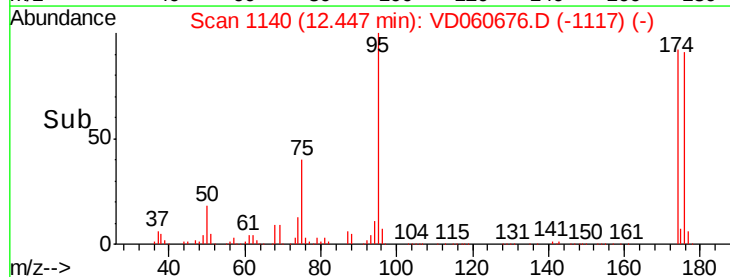
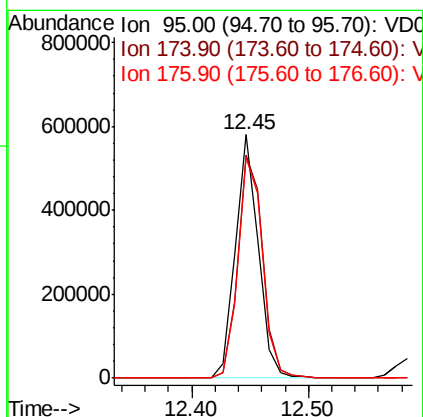
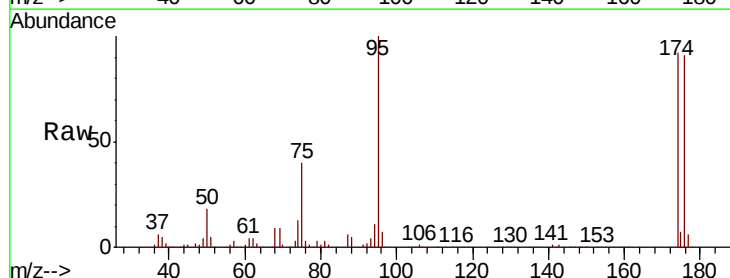
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

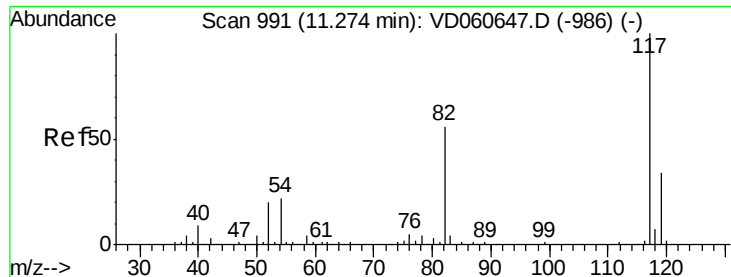
Tot Ion:107 Resp: 480092
Ion Ratio Lower Upper
107 100
109 94.5 78.0 117.0



#62
4-Bromofluorobenzene
Concen: 53.449 ug/l
RT: 12.45 min Scan# 1140
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 95 Resp: 785819
Ion Ratio Lower Upper
95 100
174 91.9 0.0 158.2
176 90.5 0.0 152.4

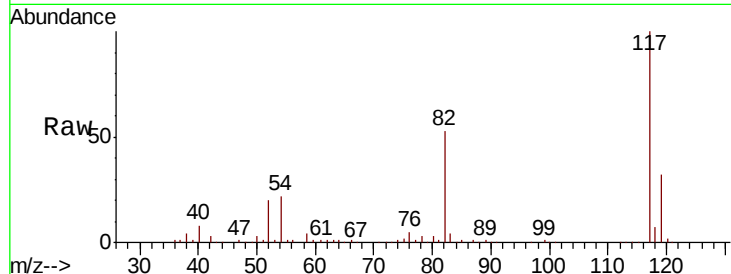




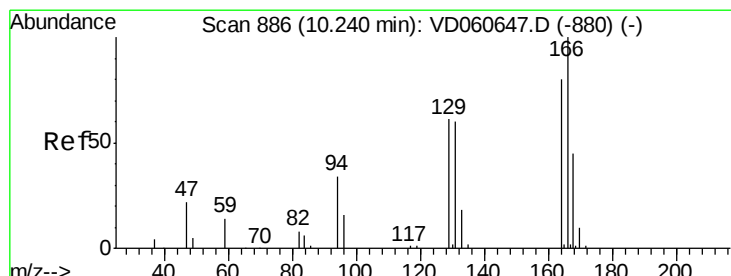
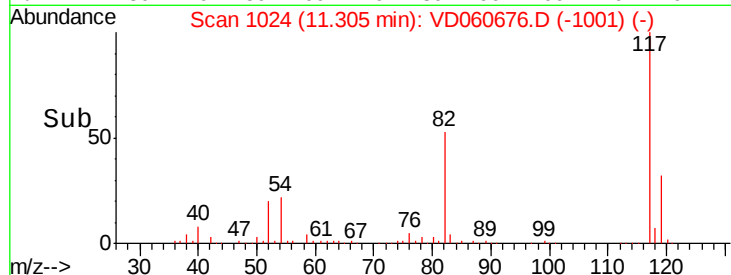
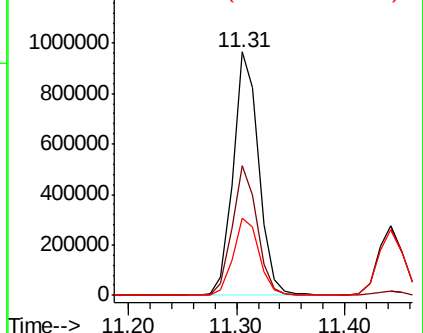
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1584461
Ion Ratio Lower Upper
117 100
82 53.3 44.5 66.7
119 31.6 26.3 39.5

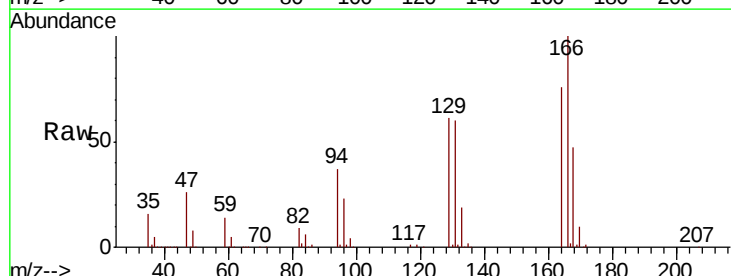


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

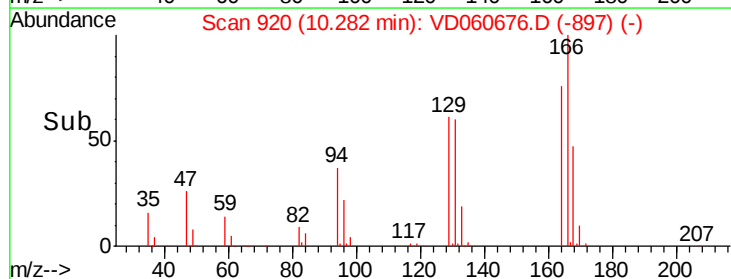
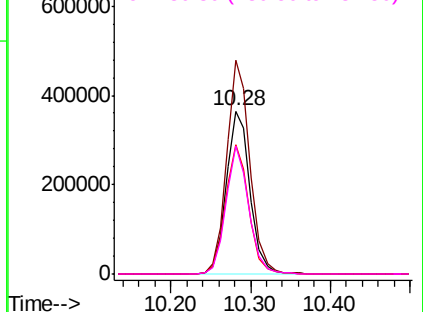


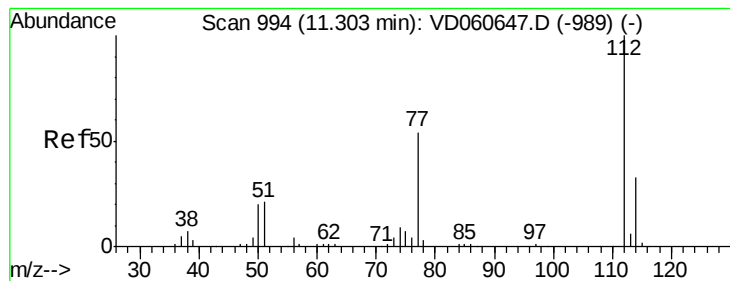
#64
Tetrachloroethene
Concen: 52.865 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:164 Resp: 759188
Ion Ratio Lower Upper
164 100
166 131.3 104.4 156.6
129 79.7 62.7 94.1
131 79.1 61.1 91.7



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





#65

Chlorobenzene

Concen: 51.067 ug/l

RT: 11.33 min Scan# 1027

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

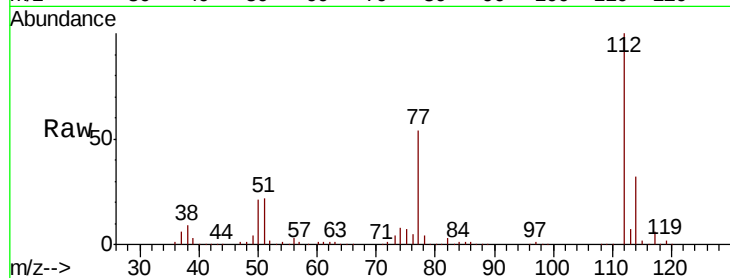
VSTDCCC050

Tot Ion:112 Resp: 1787658

Ion Ratio Lower Upper

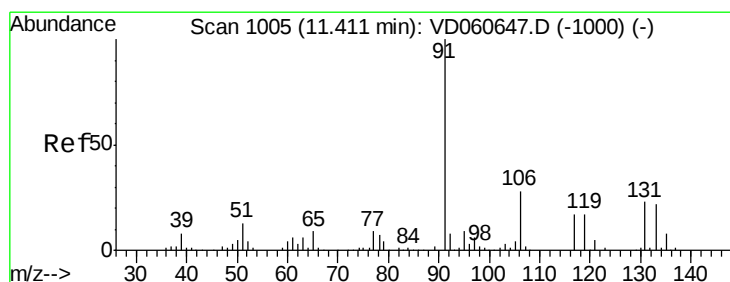
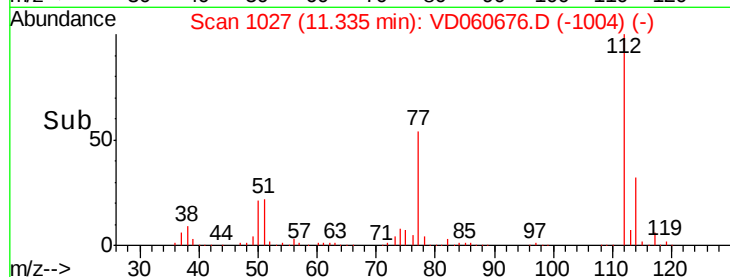
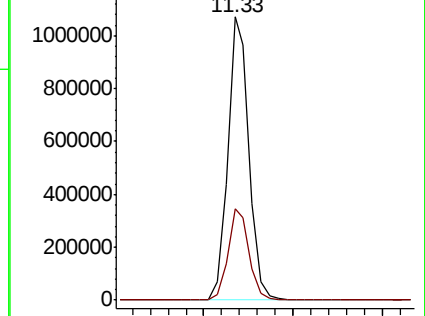
112 100

114 32.1 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.729 ug/l

RT: 11.44 min Scan# 1038

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

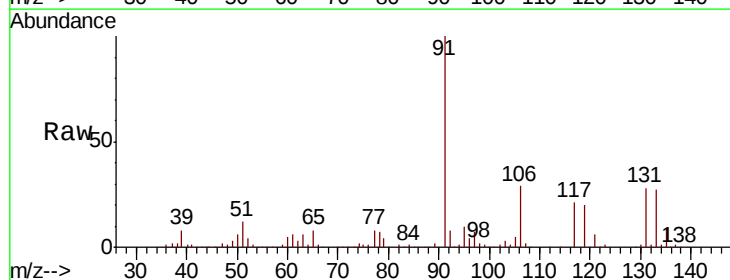
Tgt Ion:131 Resp: 604754

Ion Ratio Lower Upper

131 100

133 97.4 49.1 147.3

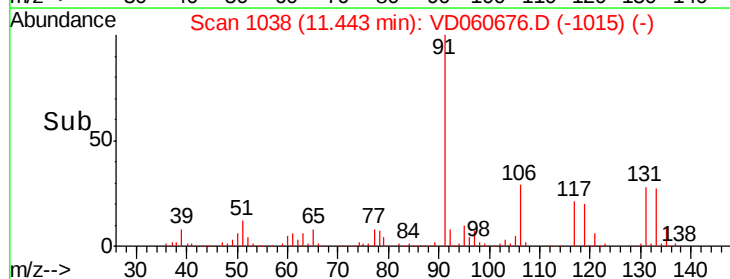
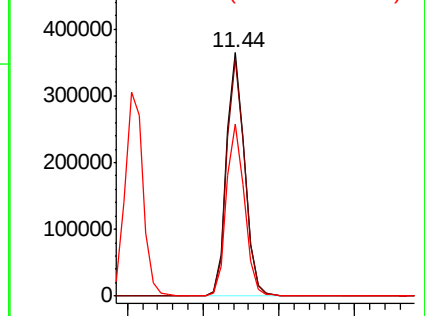
119 70.8 36.6 109.8

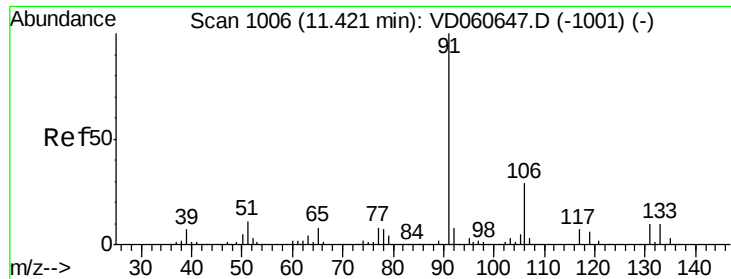


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

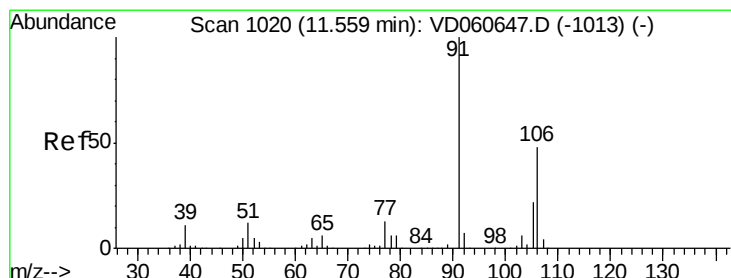
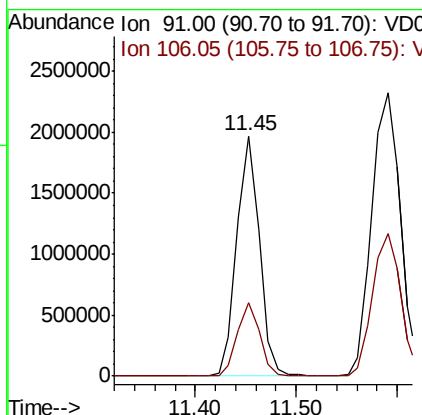
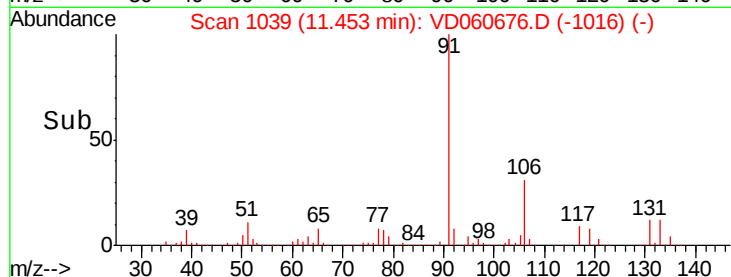
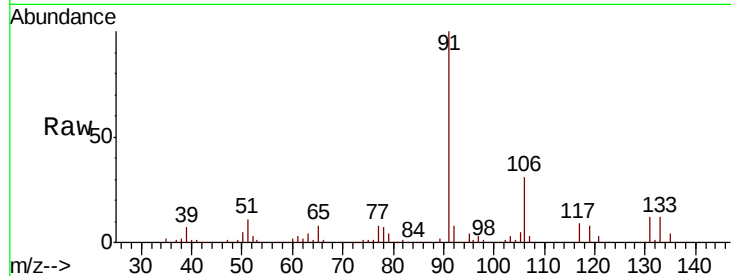




#67
Ethyl Benzene
Concen: 51.308 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

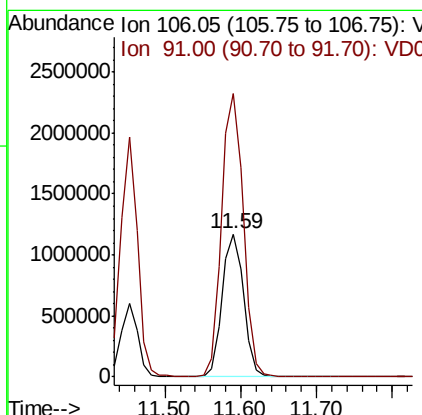
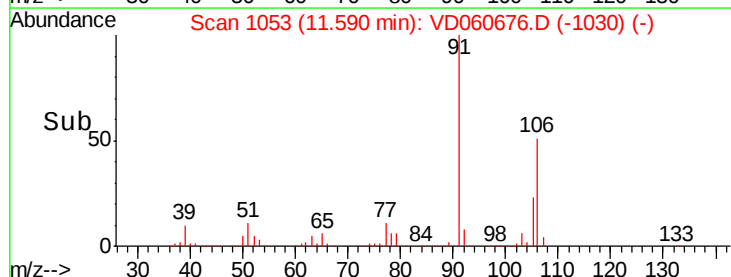
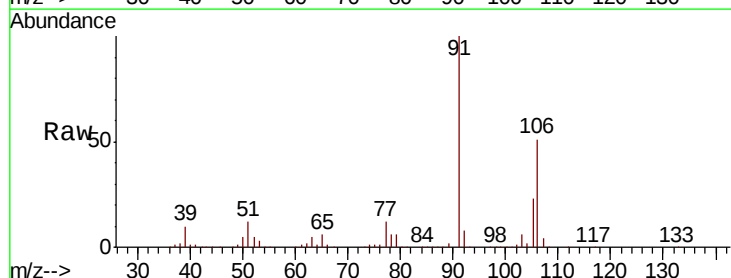
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

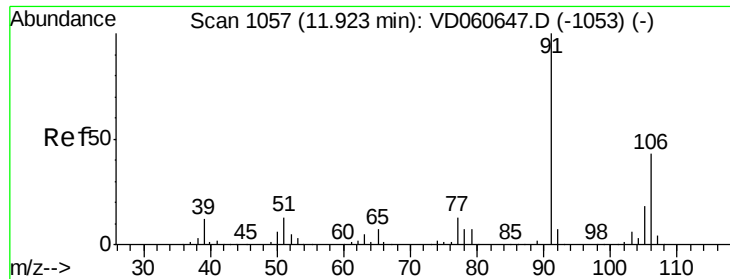
Tot Ion: 91 Resp: 3076047
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 105.193 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:106 Resp: 2304752
Ion Ratio Lower Upper
106 100
91 197.8 158.9 238.3

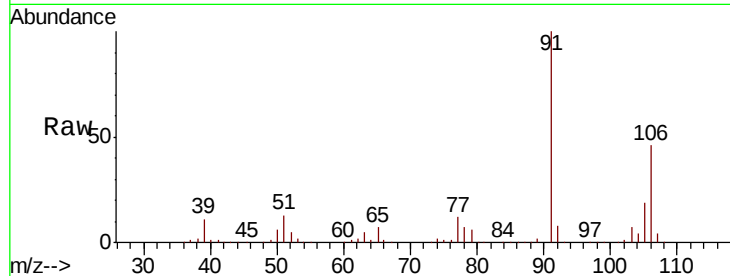




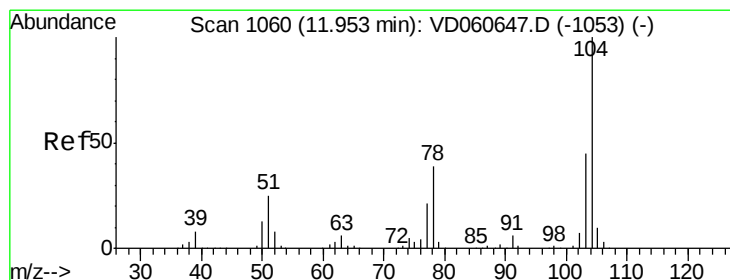
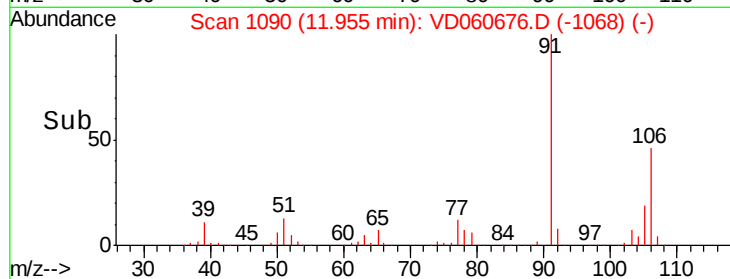
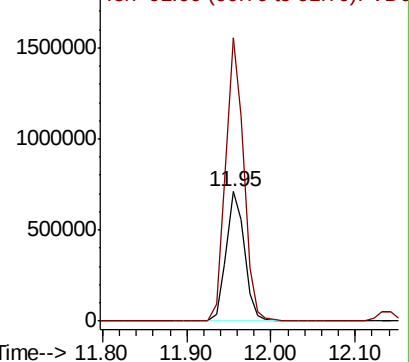
#69
o-Xylene
Concen: 51.723 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1075144
Ion Ratio Lower Upper
106 100
91 218.6 101.5 304.5

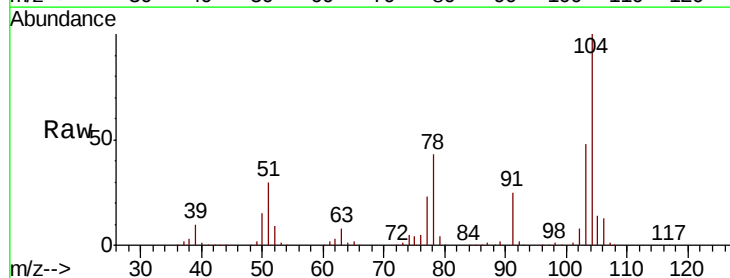


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

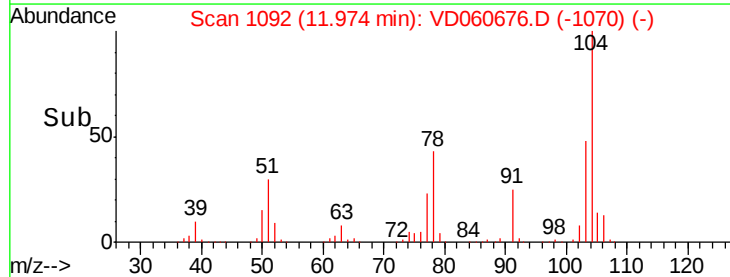
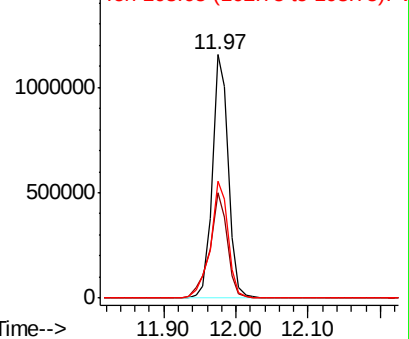


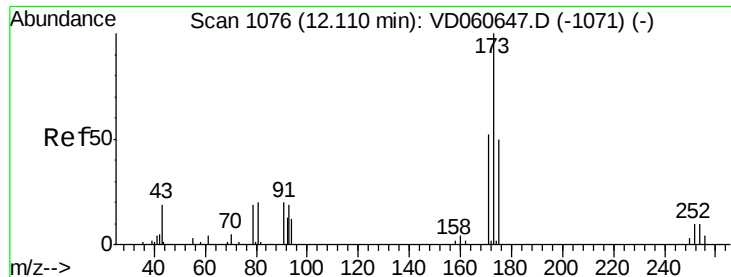
#70
Styrene
Concen: 52.710 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:104 Resp: 1764630
Ion Ratio Lower Upper
104 100
78 43.2 31.4 47.2
103 48.0 37.5 56.3



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





#71

Bromoform

Concen: 55.466 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

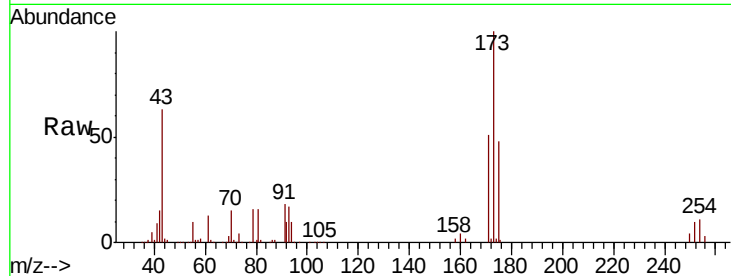
Tot Ion:173 Resp: 412103

Ion Ratio Lower Upper

173 100

175 48.3 25.5 76.5

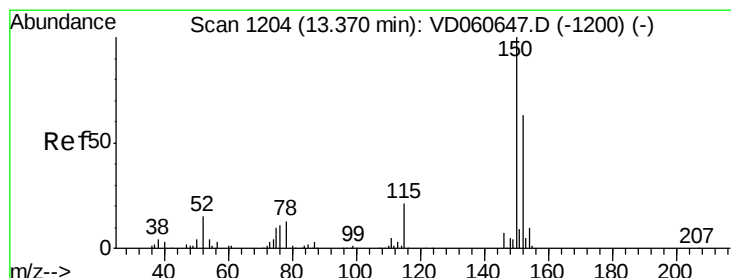
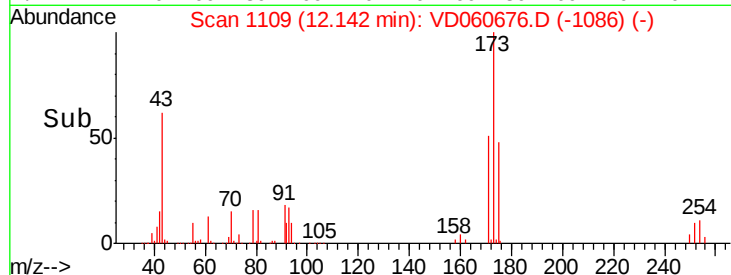
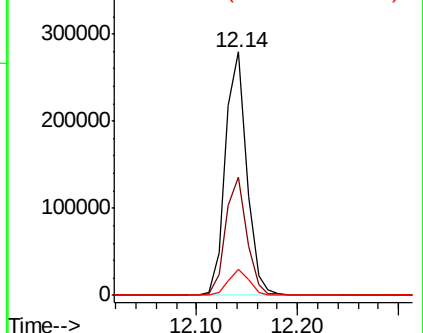
254 10.6 7.9 11.9



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# 1236

Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

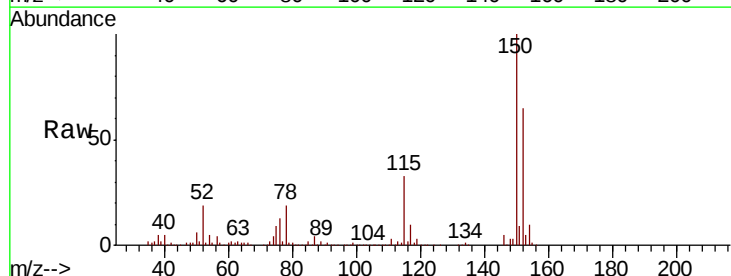
Tgt Ion:152 Resp: 849073

Ion Ratio Lower Upper

152 100

115 50.9 24.1 72.3

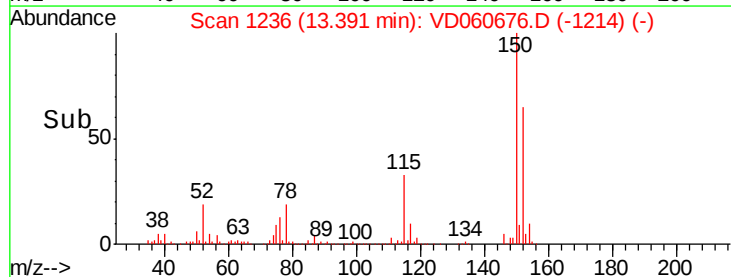
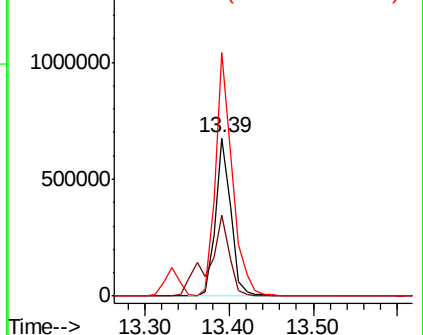
150 153.8 0.0 315.0

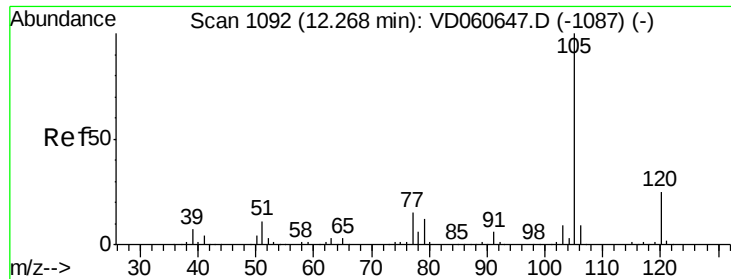


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

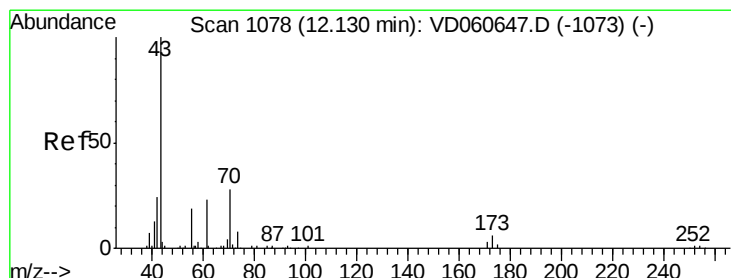
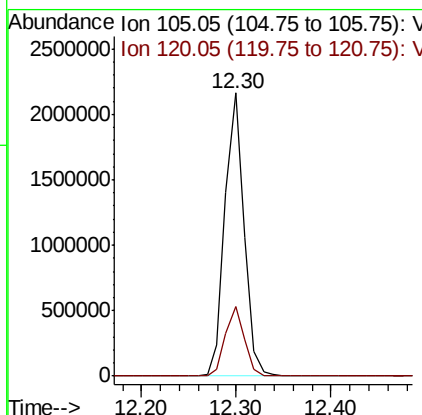
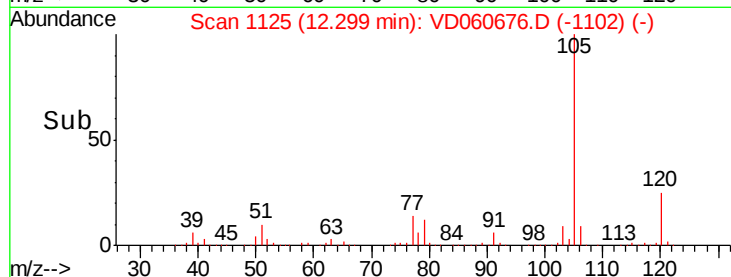
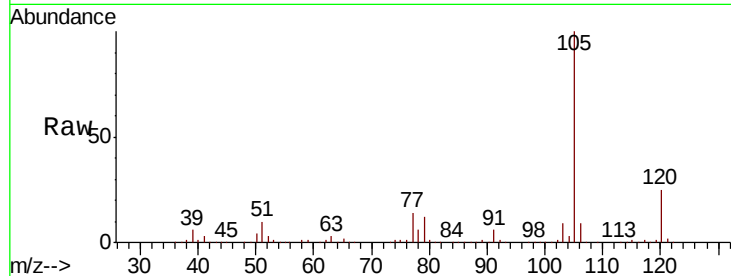




#73
Isopropylbenzene
Concen: 49.991 ug/l
RT: 12.30 min Scan# 1125
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

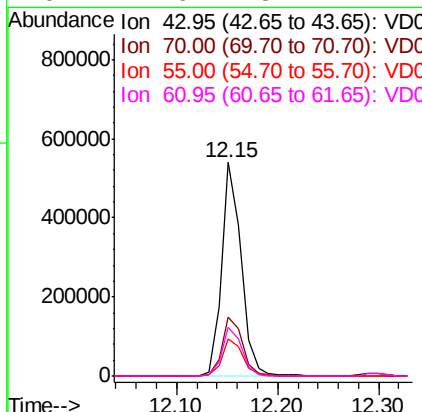
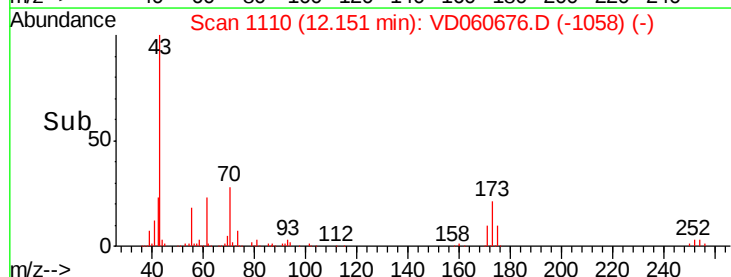
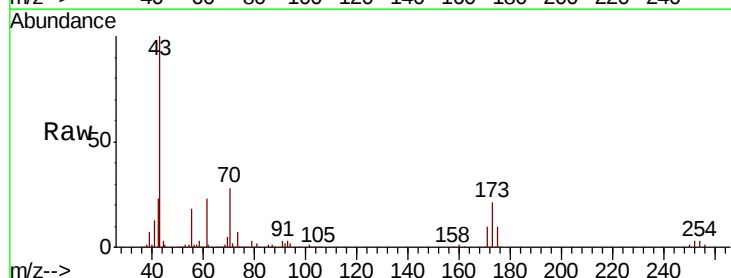
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

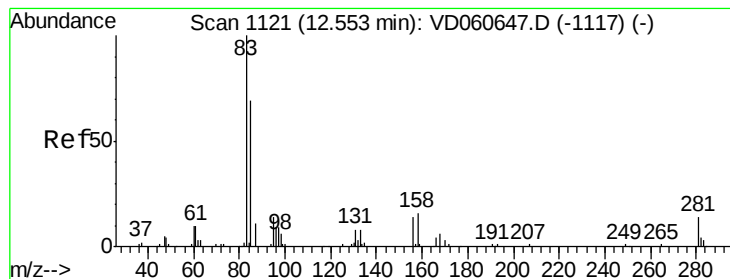
Tot Ion:105 Resp: 3022089
Ion Ratio Lower Upper
105 100
120 24.8 12.2 36.4



#74
N-ethyl acetate
Concen: 51.240 ug/l
RT: 12.15 min Scan# 1110
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 43 Resp: 731070
Ion Ratio Lower Upper
43 100
70 27.5 22.2 33.2
55 17.6 13.8 20.8
61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.436 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

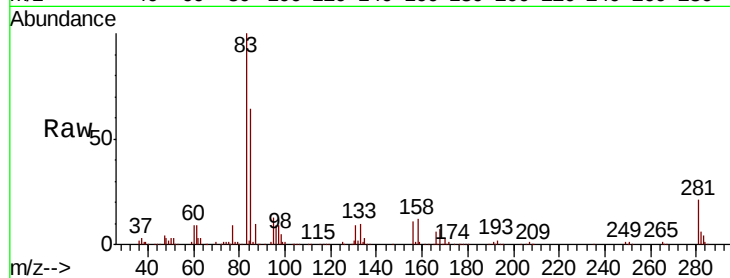
Tot Ion: 83 Resp: 494209

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.4

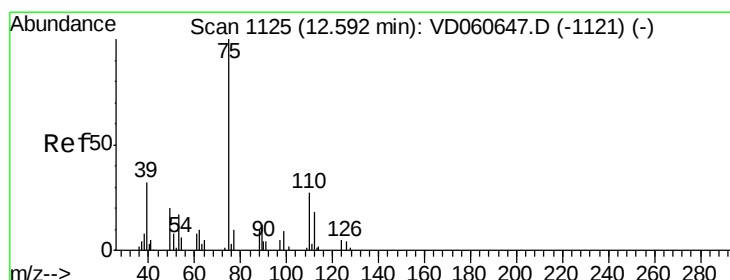
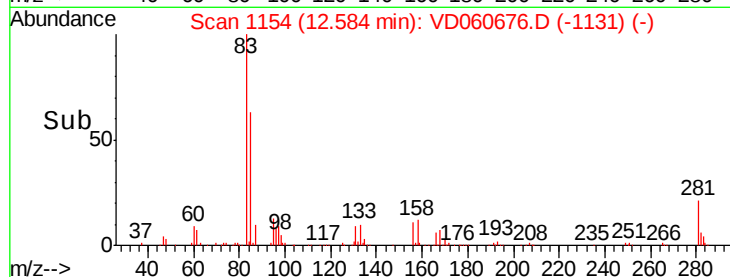
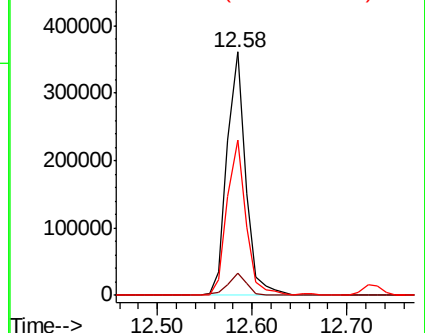
85 63.5 32.6 97.7



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: 50.981 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VD060676.D

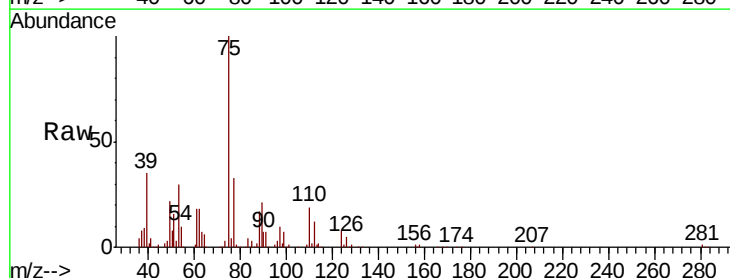
Acq: 21 Dec 2018 11:19

Tgt Ion: 75 Resp: 492809

Ion Ratio Lower Upper

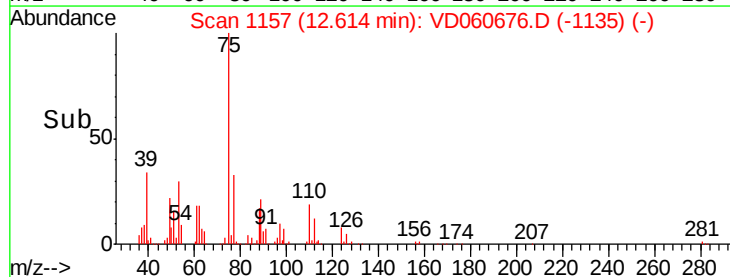
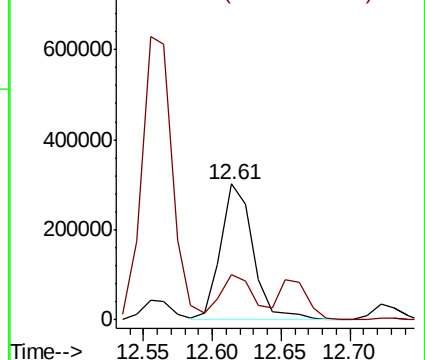
75 100

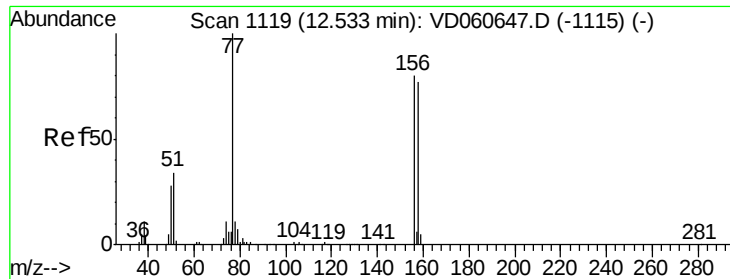
77 33.2 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

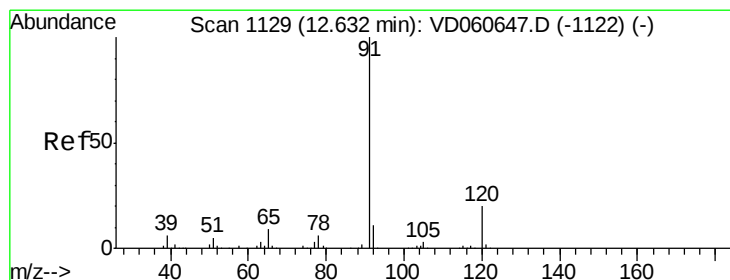
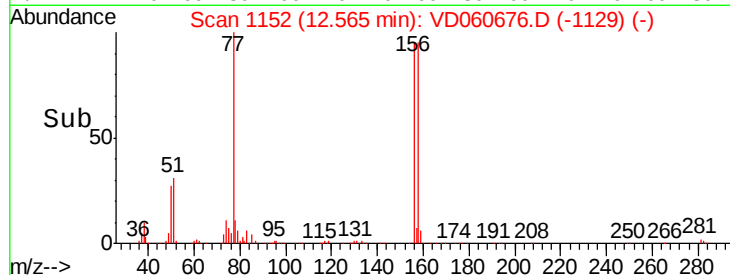
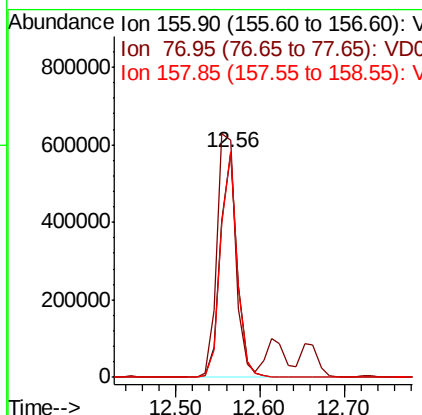
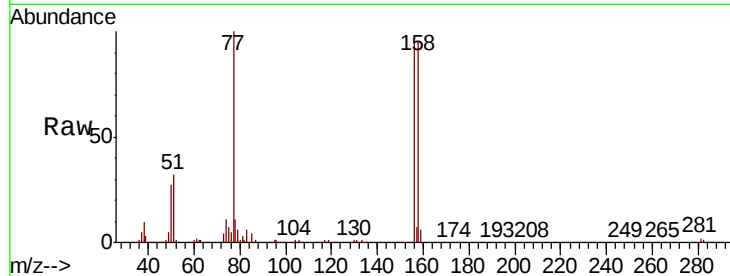




#77
Bromobenzene
Concen: 50.549 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

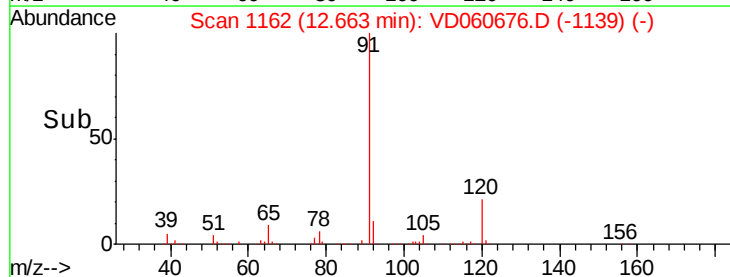
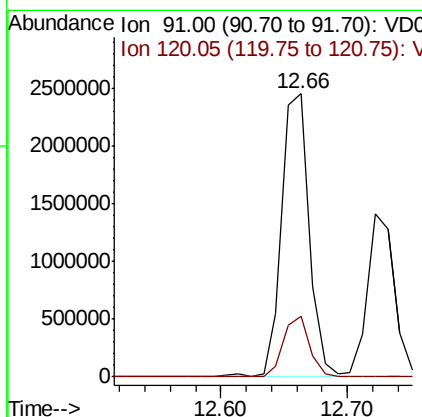
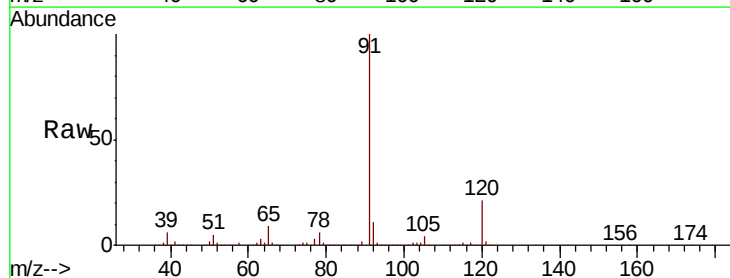
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

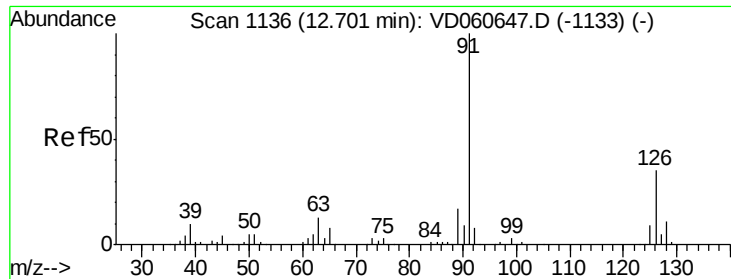
Tot Ion:156 Resp: 806784
Ion Ratio Lower Upper
156 100
77 105.6 61.3 183.9
158 100.2 48.9 146.6



#78
n-propylbenzene
Concen: 48.507 ug/l
RT: 12.66 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 91 Resp: 3748896
Ion Ratio Lower Upper
91 100
120 21.5 10.4 31.2

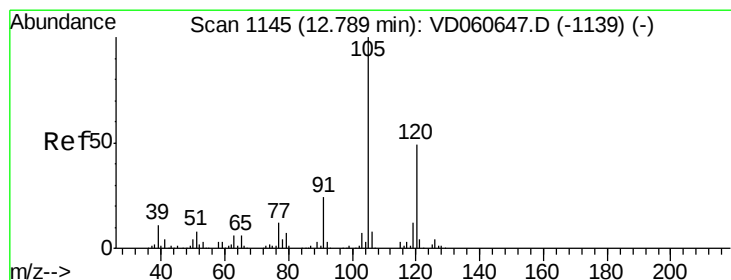
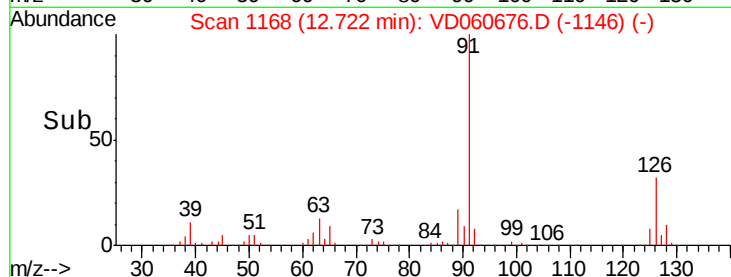
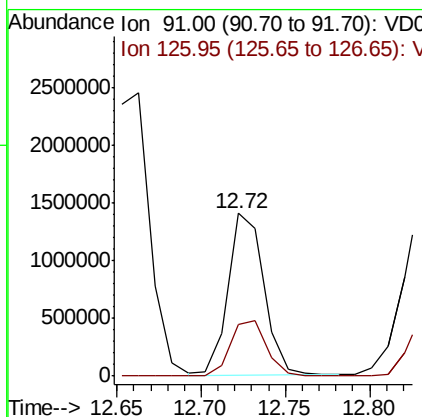
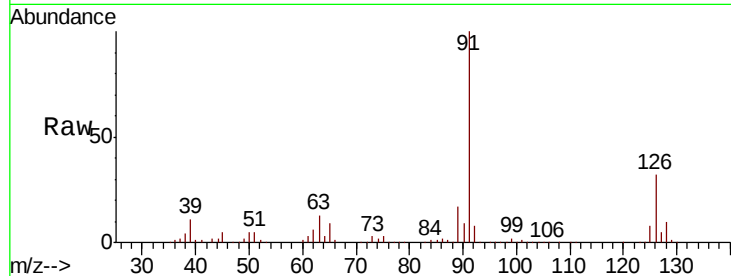




#79
 2-Chlorotoluene
 Concen: 49.981 ug/l
 RT: 12.72 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

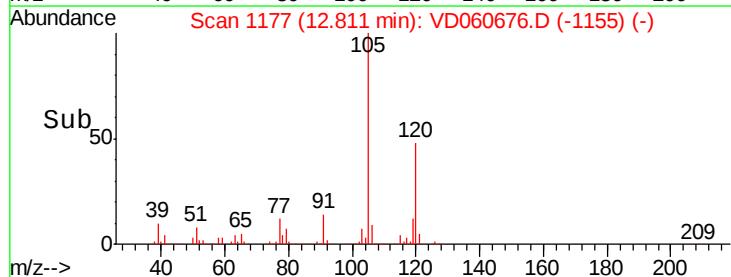
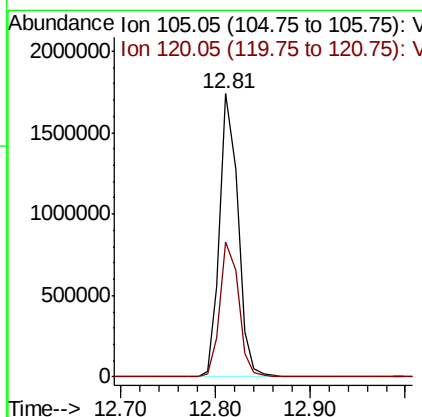
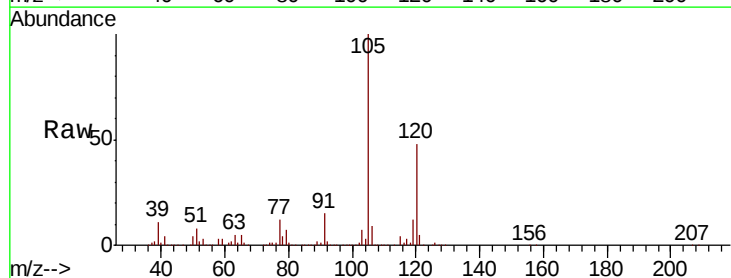
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

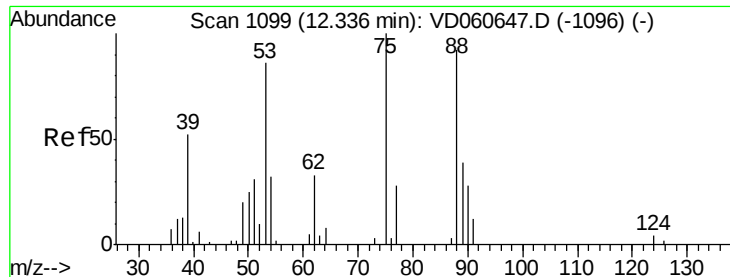
Tot Ion: 91 Resp: 2068948
 Ion Ratio Lower Upper
 91 100
 126 31.5 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.102 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 105 Resp: 2338814
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 53.576 ug/l

RT: 12.37 min Scan# 1132

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

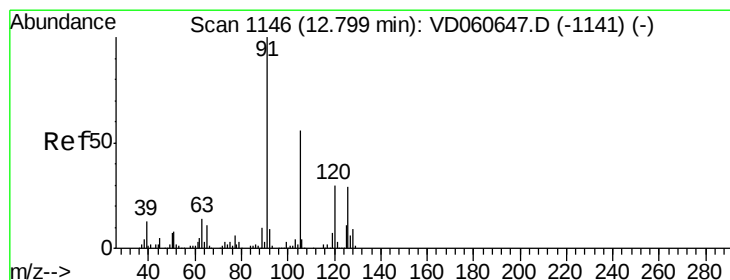
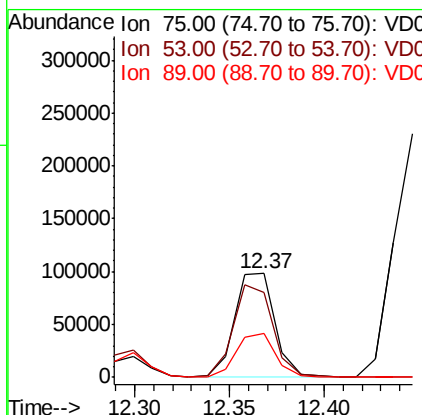
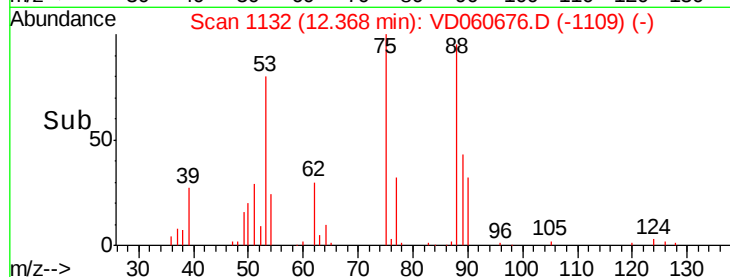
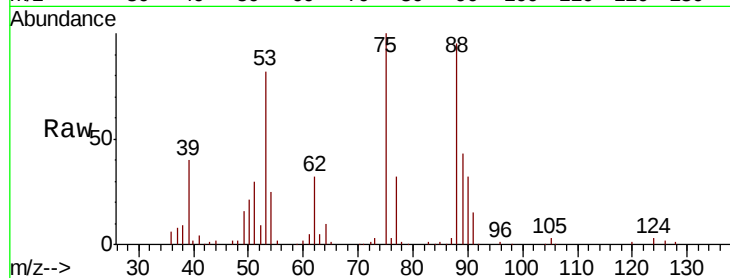
Tot Ion: 75 Resp: 143107

Ion Ratio Lower Upper

75 100

53 81.8 72.1 108.1

89 42.6 35.1 52.7



#82

4-Chlorotoluene

Concen: 48.589 ug/l

RT: 12.83 min Scan# 1179

Delta R.T. 0.03 min

Lab File: VD060676.D

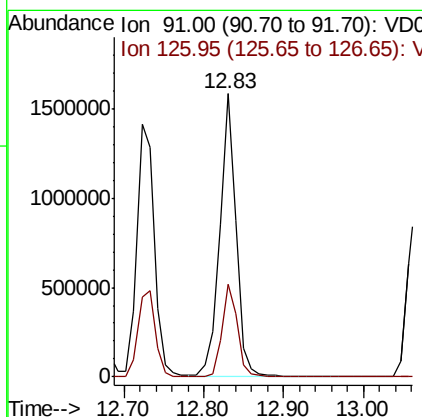
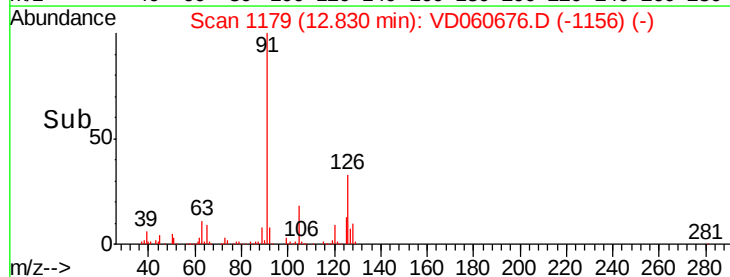
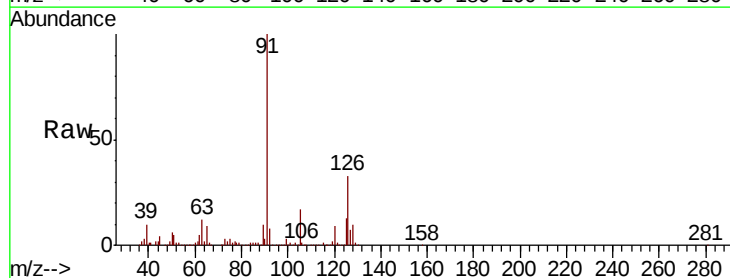
Acq: 21 Dec 2018 11:19

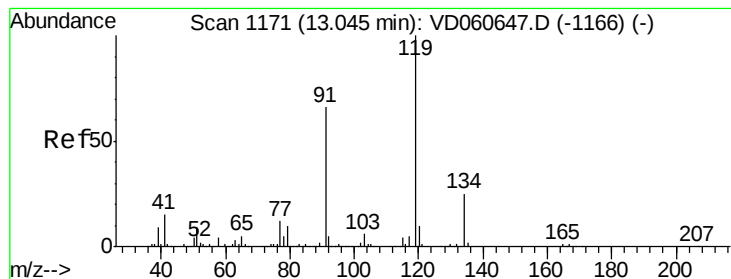
Tgt Ion: 91 Resp: 2279713

Ion Ratio Lower Upper

91 100

126 32.8 14.6 43.8





#83

tert-Butylbenzene

Concen: 50.950 ug/l

RT: 13.07 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

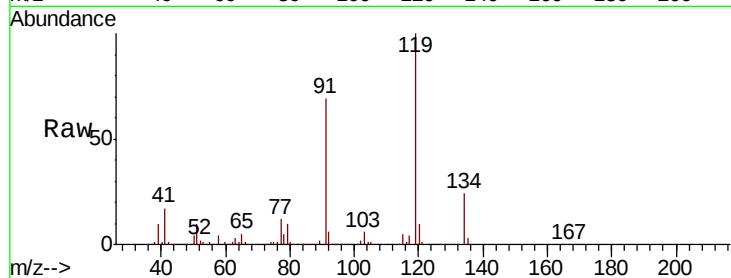
Tot Ion:119 Resp: 2706751

Ion Ratio Lower Upper

119 100

91 68.9 32.5 97.4

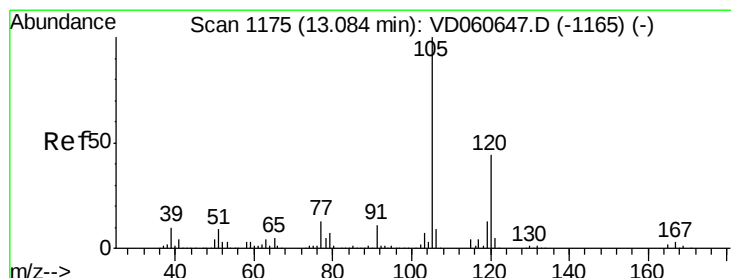
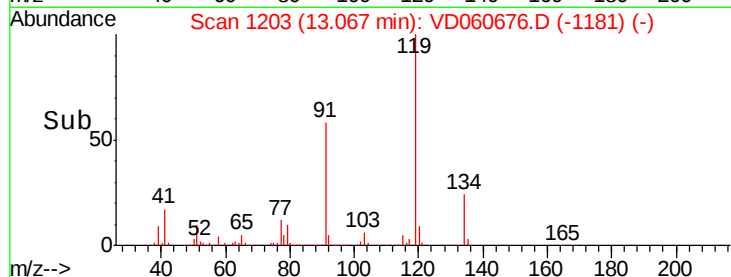
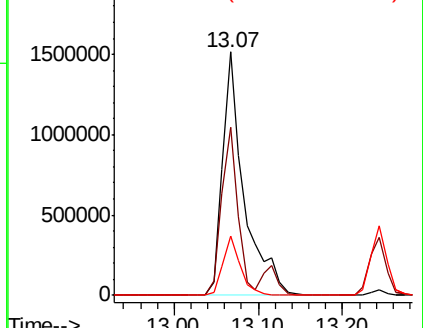
134 24.3 11.9 35.9



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: 50.468 ug/l

RT: 13.12 min Scan# 1208

Delta R.T. 0.03 min

Lab File: VD060676.D

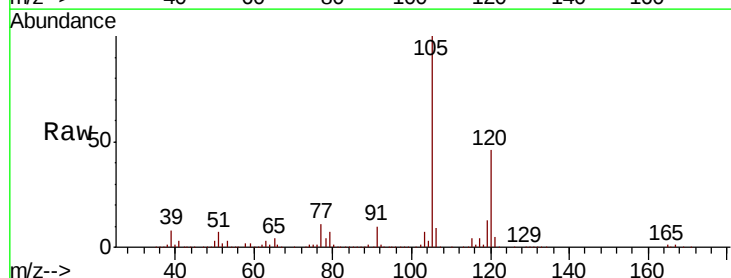
Acq: 21 Dec 2018 11:19

Tgt Ion:105 Resp: 2426436

Ion Ratio Lower Upper

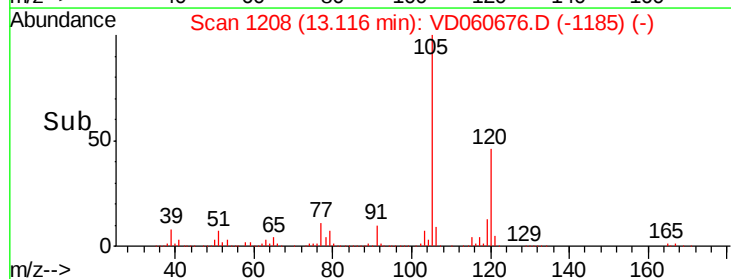
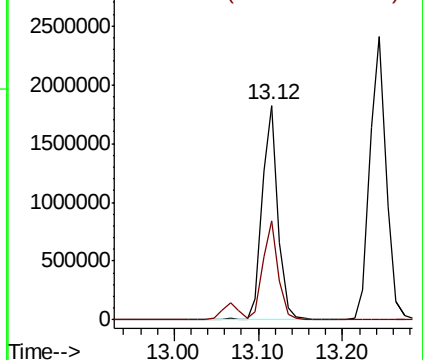
105 100

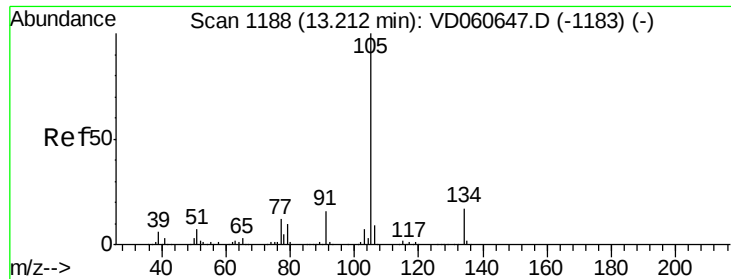
120 46.2 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

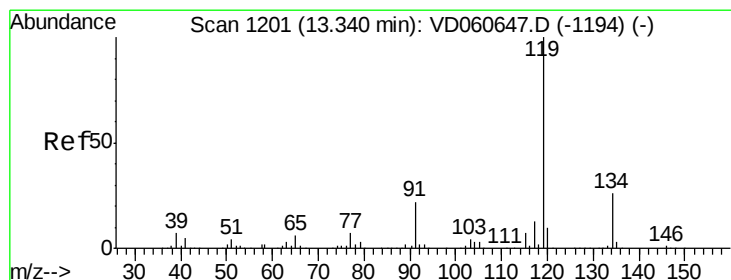
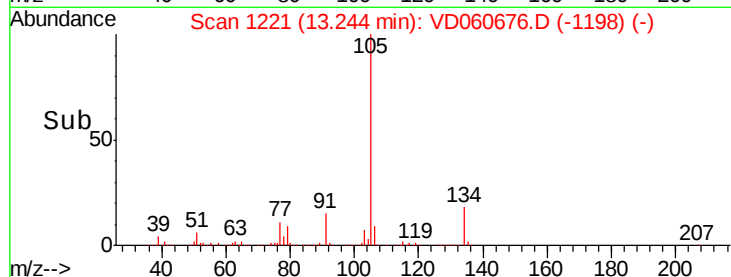
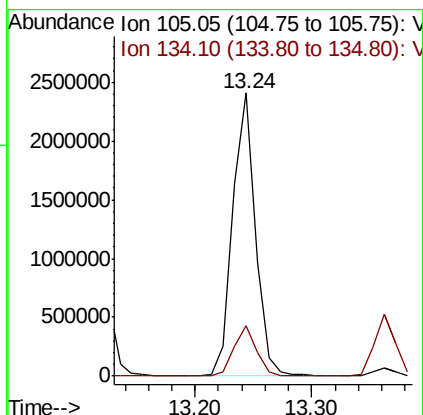
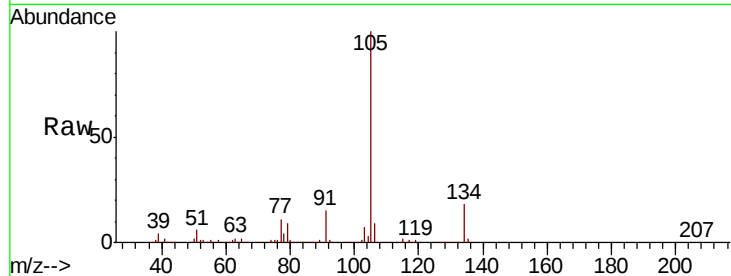




#85
 sec-Butylbenzene
 Concen: 49.843 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

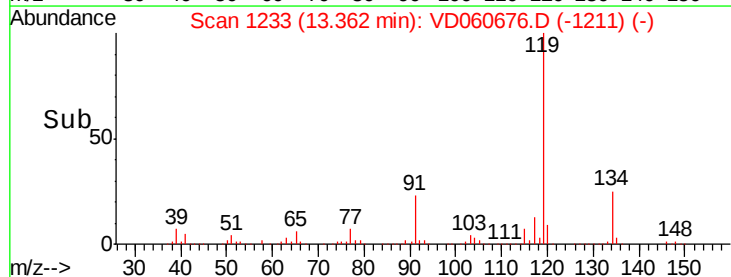
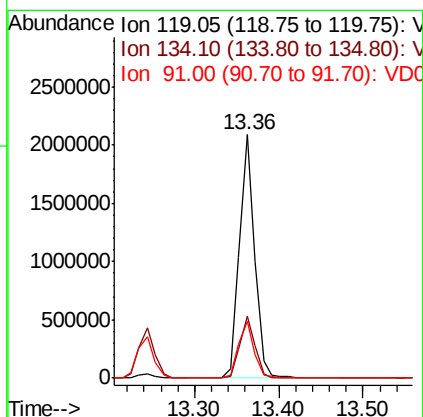
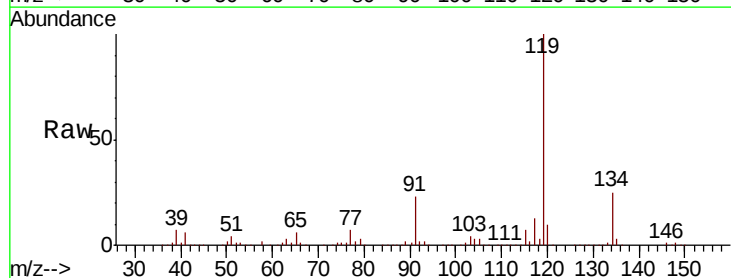
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

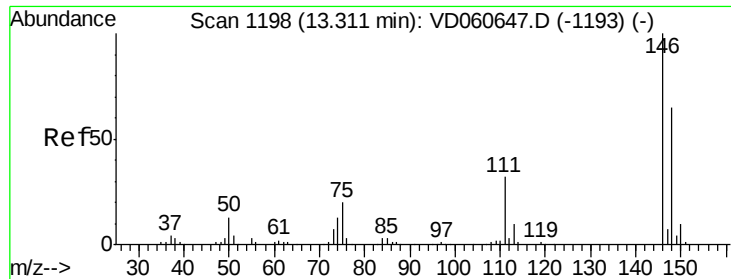
Tot Ion:105 Resp: 3229297
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 50.025 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion:119 Resp: 2616248
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 23.1 11.4 34.2

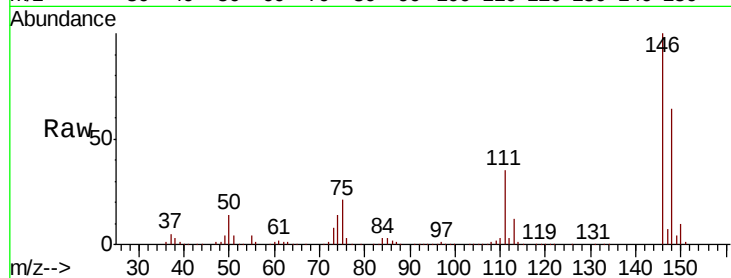




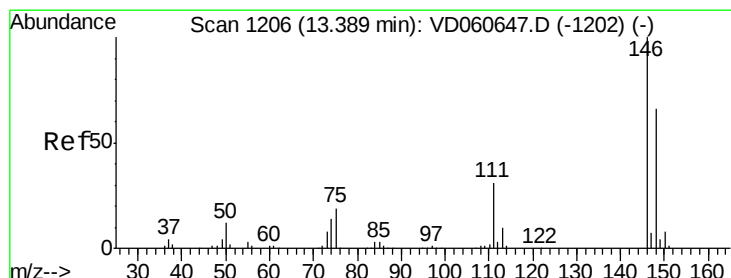
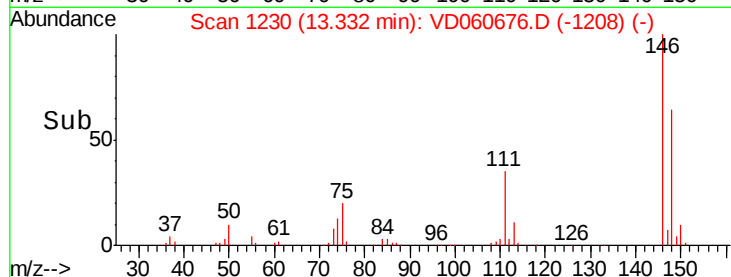
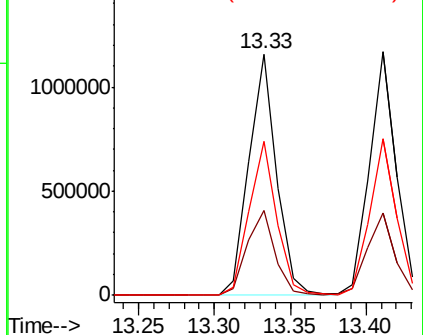
#87
 1,3-Dichlorobenzene
 Concen: 50.295 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1473585
 Ion Ratio Lower Upper
 146 100
 111 35.3 16.6 49.8
 148 63.8 32.6 97.8

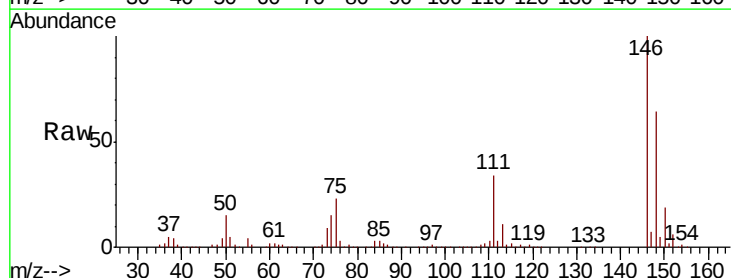


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

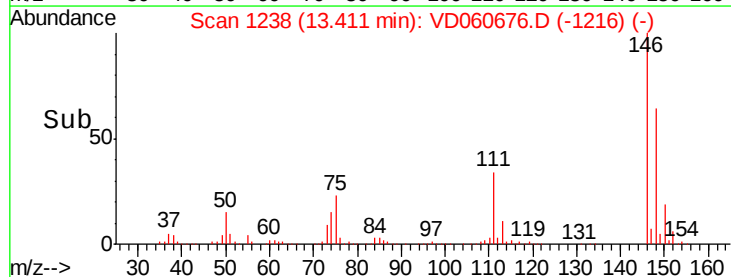
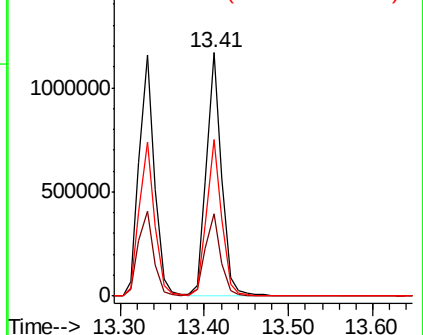


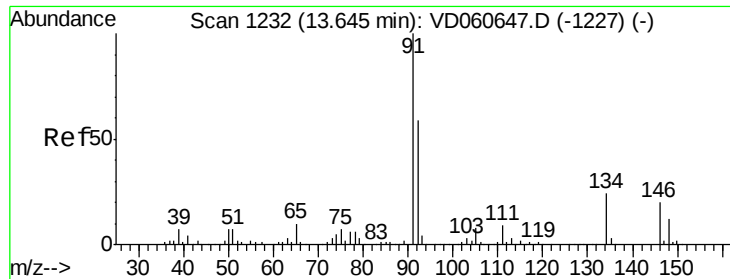
#88
 1,4-Dichlorobenzene
 Concen: 50.776 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion:146 Resp: 1465972
 Ion Ratio Lower Upper
 146 100
 111 34.1 16.2 48.5
 148 64.5 32.7 98.1



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

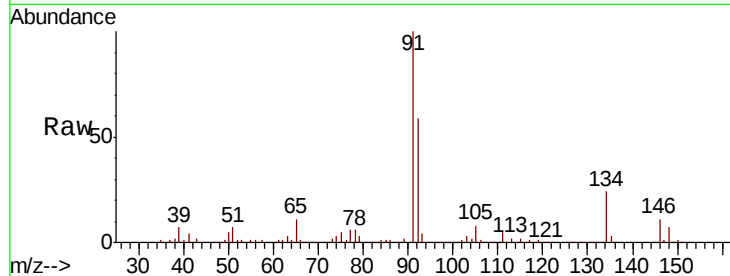




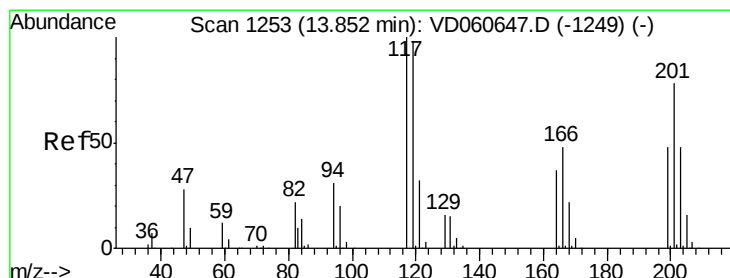
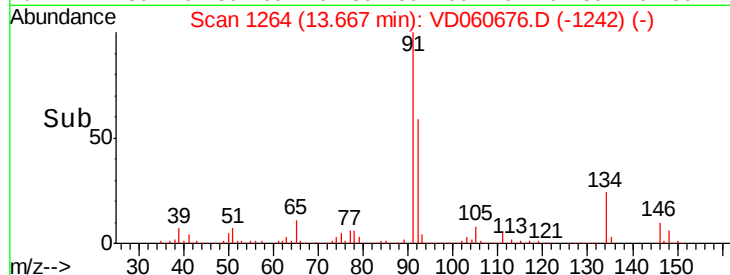
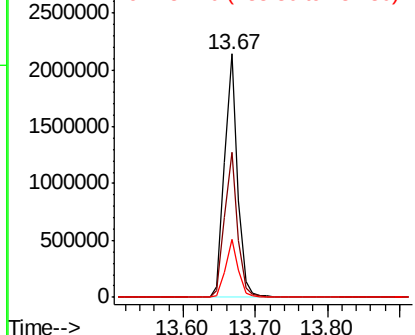
#89
n-Butylbenzene
Concen: 49.852 ug/l
RT: 13.67 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2664292
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 23.9 12.7 38.1

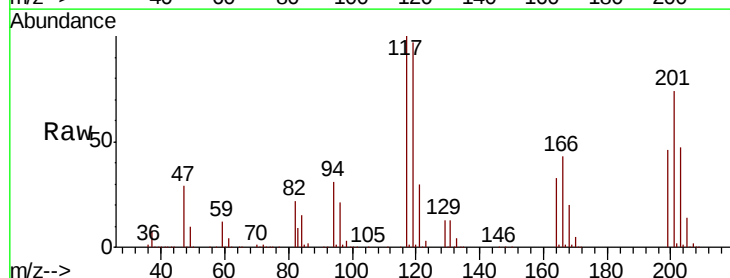


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

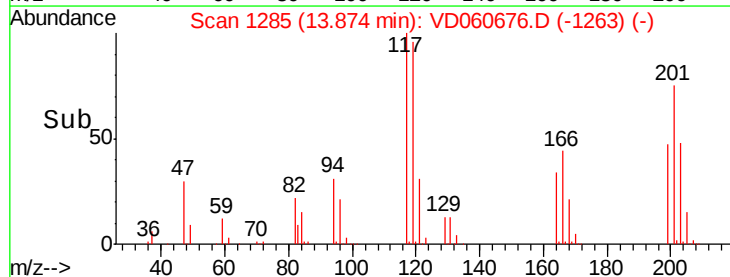
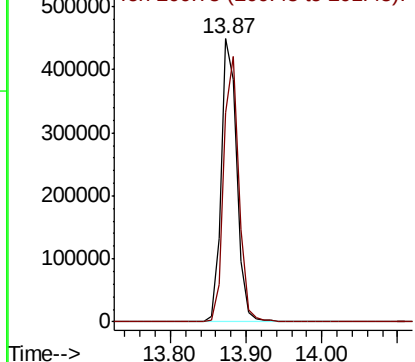


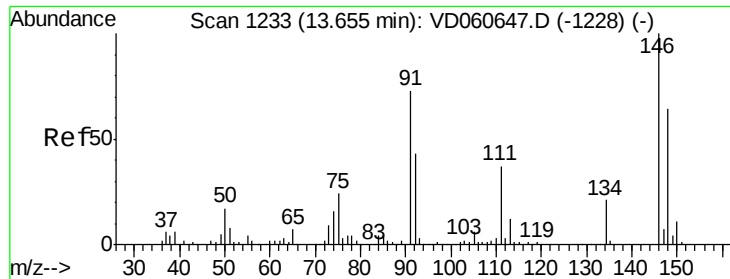
#90
Hexachloroethane
Concen: 50.634 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 117 Resp: 650543
Ion Ratio Lower Upper
117 100
201 73.7 42.6 127.8



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

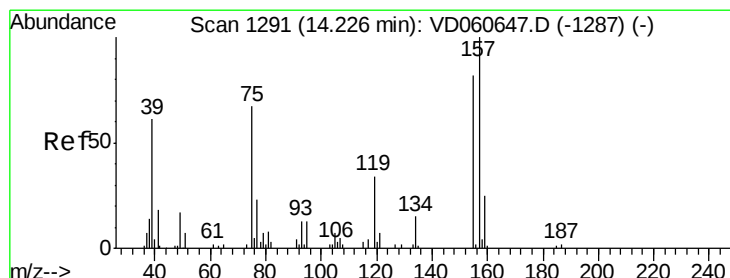
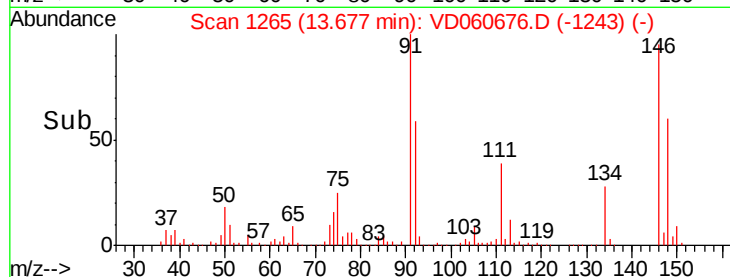
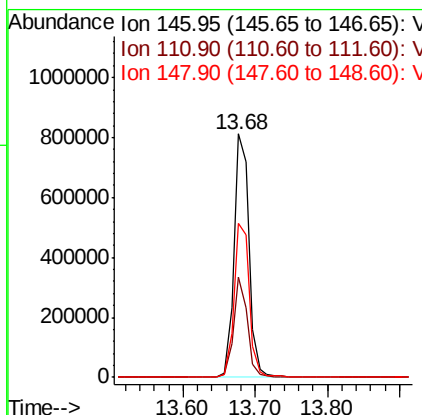
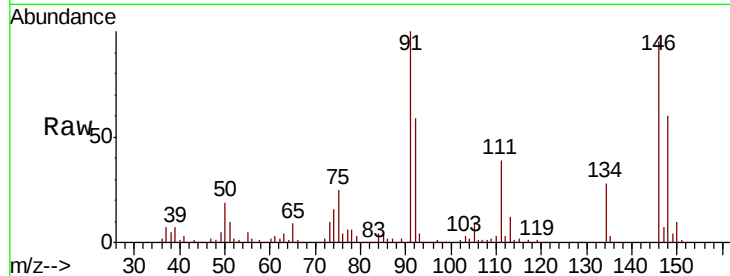




#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.68 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

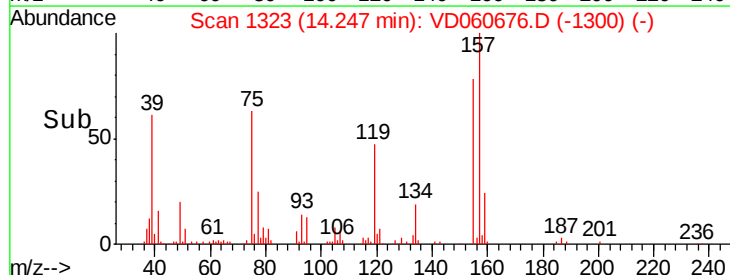
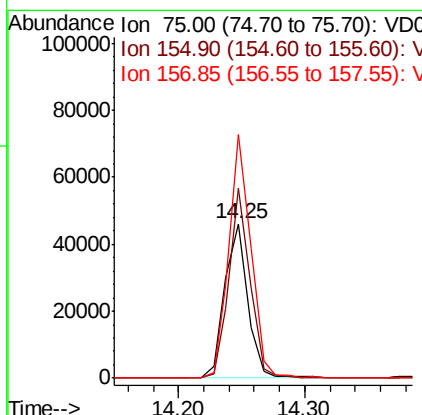
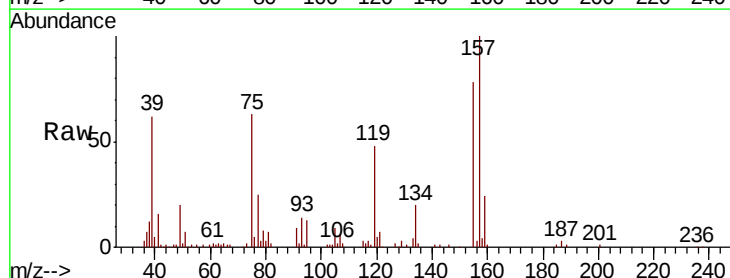
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

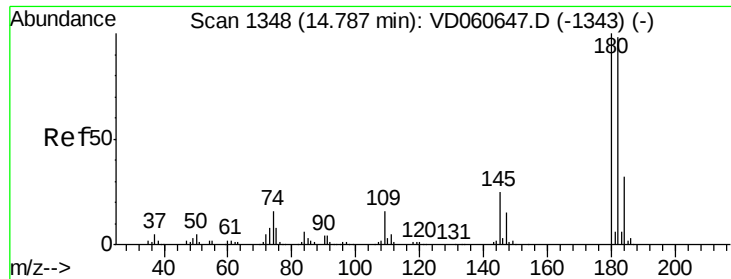
Tot Ion:146 Resp: 1175128
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.3 57.9
 148 63.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.448 ug/l
 RT: 14.25 min Scan# 1323
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 75 Resp: 58074
 Ion Ratio Lower Upper
 75 100
 155 122.9 41.1 123.4
 157 158.0 52.5 157.6#

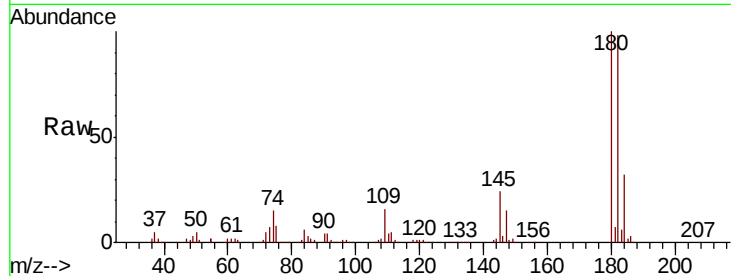




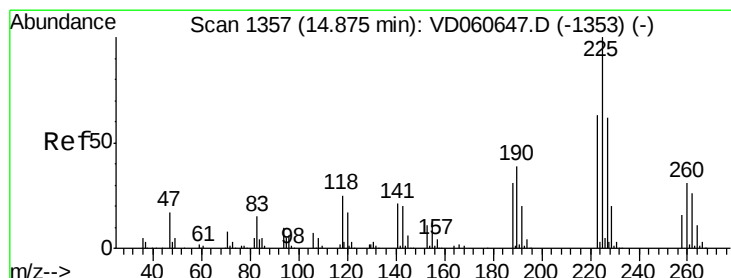
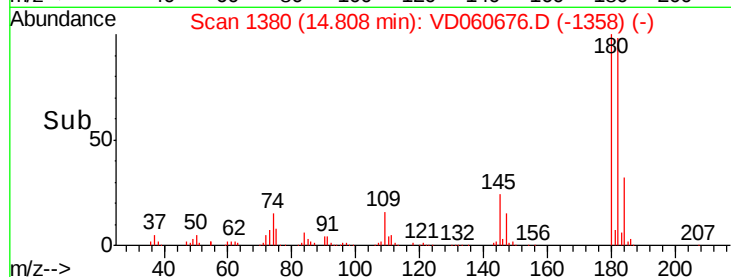
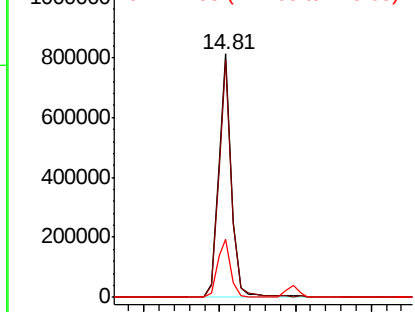
#93
 1,2,4-Trichlorobenzene
 Concen: 51.946 ug/l
 RT: 14.81 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 971476
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.8 146.4
 145 23.9 11.8 35.3

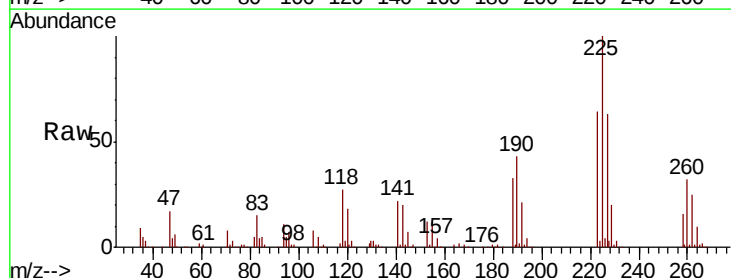


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

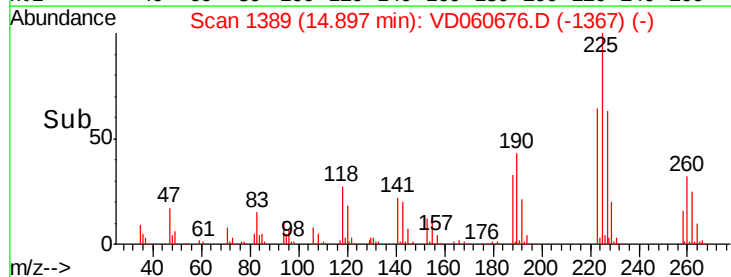
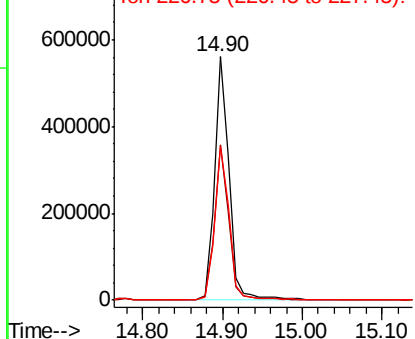


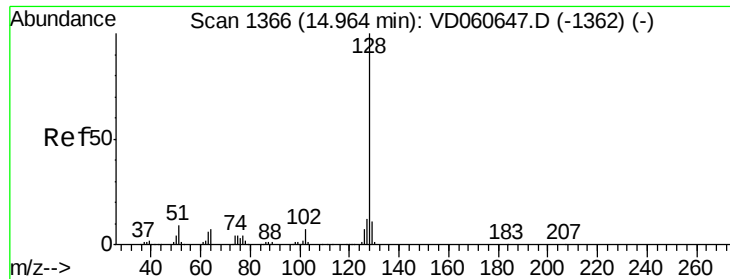
#94
 Hexachlorobutadiene
 Concen: 52.291 ug/l
 RT: 14.90 min Scan# 1389
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion:225 Resp: 722834
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.3 93.8
 227 63.4 32.5 97.4



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

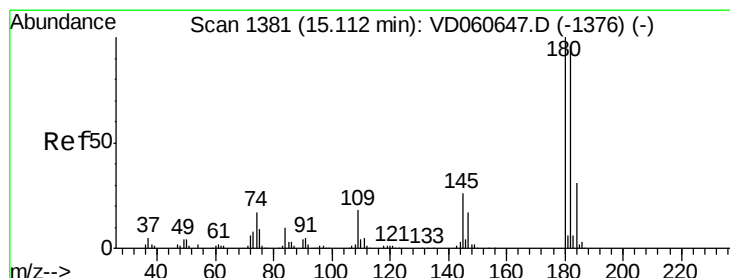
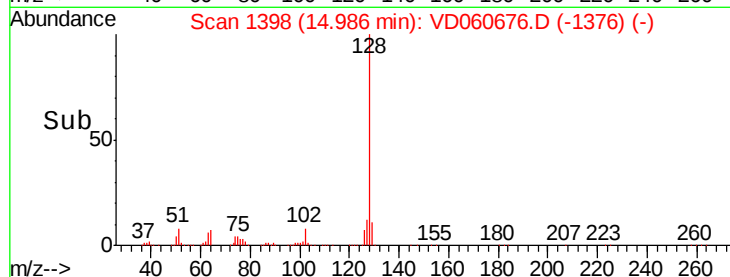
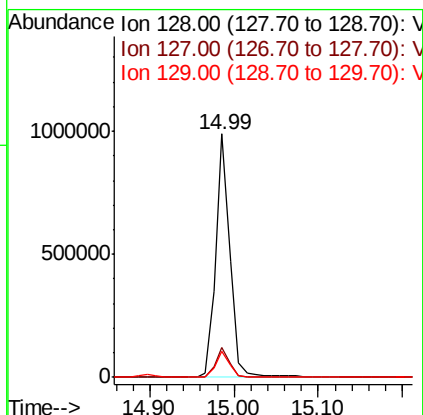
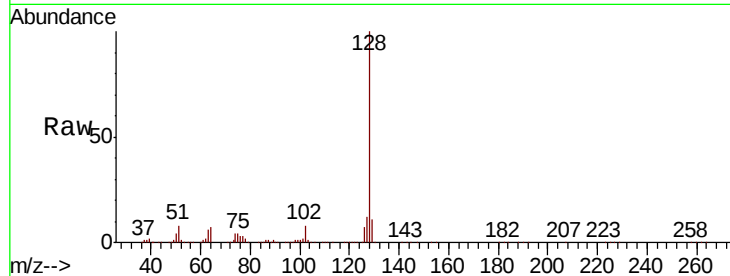




#95
Naphthalene
Concen: 51.879 ug/l
RT: 14.99 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1153130
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.992 ug/l
RT: 15.13 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:180 Resp: 789323
Ion Ratio Lower Upper
180 100
182 96.5 48.6 145.9
145 26.8 12.6 37.8

