

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061771.D
 Acq On : 12 Apr 2019 11:33
 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: Apr 12 11:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	681661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1015941	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	403692	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	249140	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	6.92	113	383702	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
50) Toluene-d8	10.41	98	816658	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
62) 4-Bromofluorobenzene	13.55	95	334537	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	346046	47.055	ug/l	98
3) Chloromethane	1.76	50	280717	47.237	ug/l	100
4) Vinyl Chloride	1.86	62	270589	48.728	ug/l	96
5) Bromomethane	2.16	94	66548	51.776	ug/l	98
6) Chloroethane	2.27	64	106492	61.227	ug/l	96
7) Trichlorofluoromethane	2.54	101	399681	47.669	ug/l	98
8) Diethyl Ether	2.87	74	107769	45.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	409650	49.696	ug/l	97
10) Methyl Iodide	3.31	142	628242	51.026	ug/l	96
11) Tert butyl alcohol	4.06	59	87896	253.827	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	345676	48.644	ug/l	95
13) Acrolein	3.03	56	107949	255.686	ug/l	95
14) Allyl chloride	3.62	41	485778	50.120	ug/l	96
15) Acrylonitrile	4.19	53	275485	231.107	ug/l	97
16) Acetone	3.22	43	421706	273.024	ug/l	100
17) Carbon Disulfide	3.38	76	1091299	47.262	ug/l	100
18) Methyl Acetate	3.63	43	147952	50.912	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	595015	48.358	ug/l	100
20) Methylene Chloride	3.81	84	387522	44.214	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	362295	46.941	ug/l	97
22) Diisopropyl ether	5.11	45	1046254	51.487	ug/l	94
23) Vinyl Acetate	5.05	43	2861234	255.178	ug/l	99
24) 1,1-Dichloroethane	4.98	63	617869	49.618	ug/l	98
25) 2-Butanone	6.06	43	461921	259.414	ug/l	99
26) 2,2-Dichloropropane	6.02	77	563324	55.557	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	429527	52.166	ug/l	96
28) Bromochloromethane	6.43	49	232256	50.561	ug/l	94
29) Tetrahydrofuran	6.45	42	209359	243.562	ug/l	99
30) Chloroform	6.66	83	667800	51.192	ug/l	100
31) Cyclohexane	6.95	56	508199	52.240	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	610302	53.387	ug/l	99
36) 1,1-Dichloropropene	7.14	75	505290	56.829	ug/l	97
37) Ethyl Acetate	6.17	43	207776	57.372	ug/l	96
38) Carbon Tetrachloride	7.11	117	649554	62.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	514539	56.367	ug/l	99
40) Benzene	7.45	78	1210453	56.431	ug/l	99
41) Methacrylonitrile	6.44	41	239094	56.554	ug/l	97
42) 1,2-Dichloroethane	7.57	62	399848	59.273	ug/l	100
43) Isopropyl Acetate	9.23	43	277318	52.762	ug/l #	97
44) Trichloroethene	8.54	130	466851	56.771	ug/l	94
45) 1,2-Dichloropropane	8.94	63	292581	55.001	ug/l	99
46) Dibromomethane	9.06	93	214917	56.529	ug/l	97
47) Bromodichloromethane	9.37	83	470936	56.400	ug/l	99
48) Methyl methacrylate	9.12	41	164851	54.411	ug/l	95
49) 1,4-Dioxane	9.08	88	37093	1109.182	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	945628	304.222	ug/l	99
52) Toluene	10.50	92	746473	55.730	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	435167	59.454	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	514057	56.973	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	250034	55.347	ug/l	96
56) Ethyl methacrylate	11.04	69	283344	59.455	ug/l	98
57) 1,3-Dichloropropane	11.40	76	395440	59.772	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	643427	286.136	ug/l	99
59) 2-Hexanone	11.53	43	697528	289.151	ug/l	98
60) Dibromochloromethane	11.68	129	416225	58.317	ug/l	97
61) 1,2-Dibromoethane	11.80	107	319891	60.549	ug/l	93
64) Tetrachloroethene	11.25	164	335464	49.801	ug/l	98
65) Chlorobenzene	12.39	112	878008	51.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	375916	56.766	ug/l	95
67) Ethyl Benzene	12.52	91	1453674	55.470	ug/l	99
68) m/p-Xylenes	12.66	106	1040078	102.946	ug/l	92
69) o-Xylene	13.04	106	502787	51.554	ug/l	99
70) Styrene	13.06	104	872353	52.377	ug/l	97
71) Bromoform	13.23	173	225046	54.771	ug/l	98
73) Isopropylbenzene	13.40	105	1404283	52.207	ug/l	98
74) N-amyl acetate	13.26	43	389128	53.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	284931	51.231	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	271103	49.361	ug/l	98
77) Bromobenzene	13.66	156	394271	50.498	ug/l	90
78) n-propylbenzene	13.77	91	1684592	52.356	ug/l	96
79) 2-Chlorotoluene	13.83	91	995065	54.080	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	1082087	50.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	93549	56.130	ug/l	92
82) 4-Chlorotoluene	13.94	91	1082557	53.692	ug/l	90
83) tert-Butylbenzene	14.19	119	1306194	50.743	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1161208	53.891	ug/l	98
85) sec-Butylbenzene	14.36	105	1388217	49.915	ug/l	97
86) p-Isopropyltoluene	14.49	119	1222784	50.682	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	711827	52.975	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	703633	51.899	ug/l	96
89) n-Butylbenzene	14.80	91	1067160	50.889	ug/l	98
90) Hexachloroethane	15.00	117	350927	53.606	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	506186	45.708	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	36140	53.847	ug/l	87

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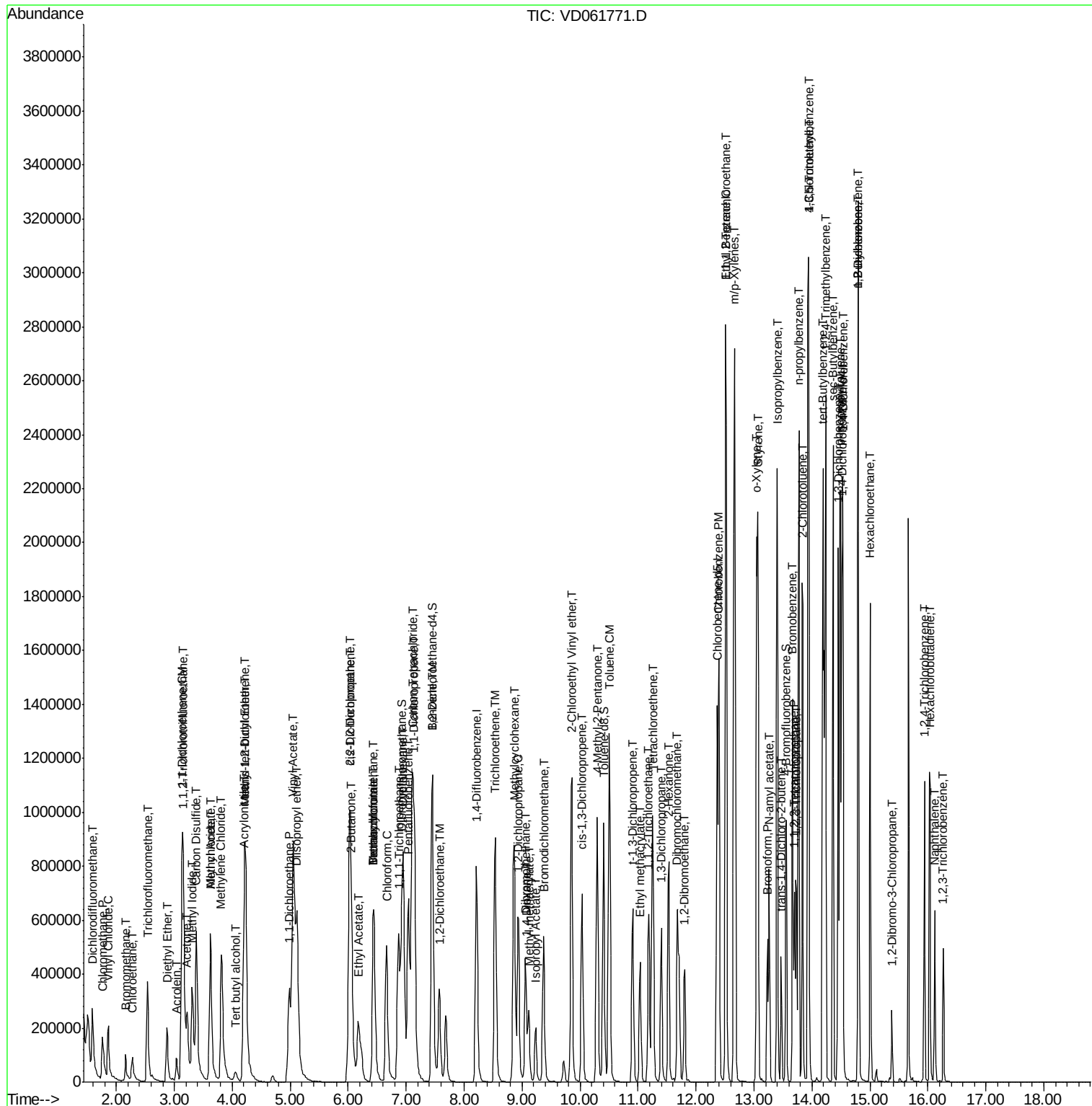
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	264115	46.811	ug/l	97
94) Hexachlorobutadiene	16.04	225	208269	47.805	ug/l	97
95) Naphthalene	16.12	128	418148	46.839	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	121895	43.289	ug/l	96

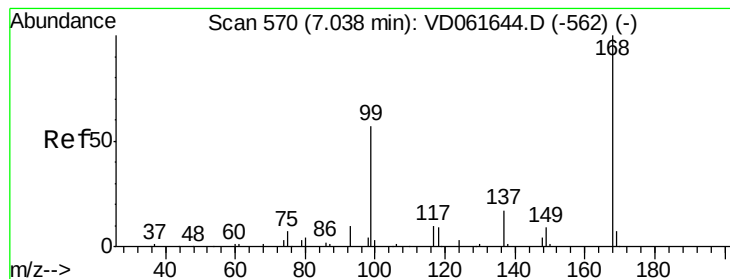
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

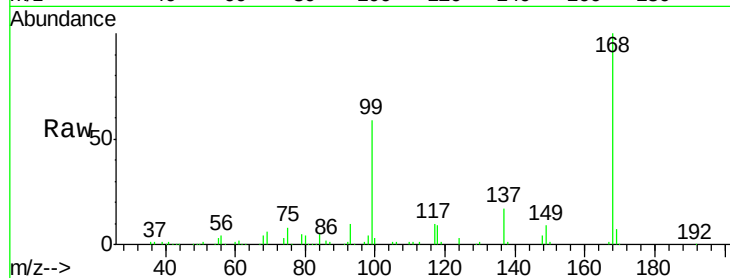
VSTDCCC050

Tot Ion:168 Resp: 681661

Ion Ratio Lower Upper

168 100

99 58.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

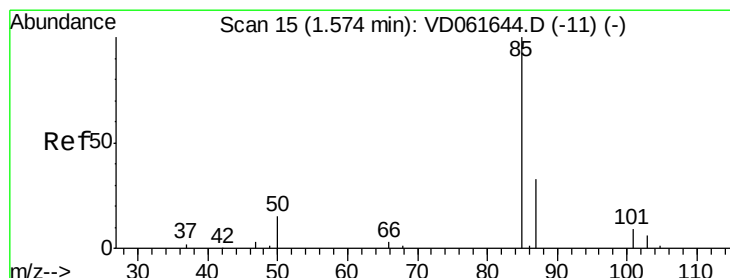
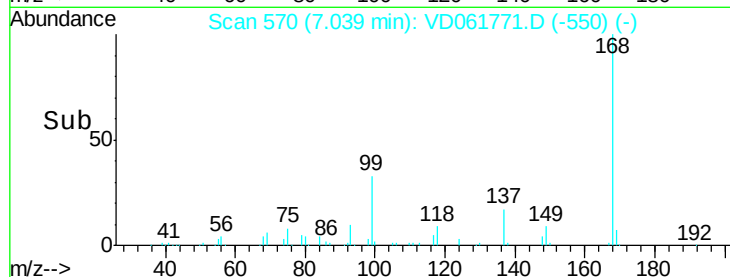
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.055 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061771.D

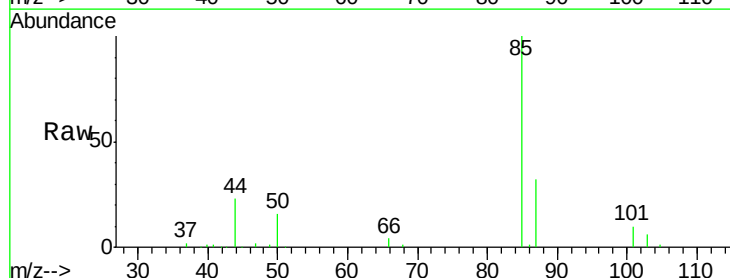
Acq: 12 Apr 2019 11:33

Tgt Ion: 85 Resp: 346046

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

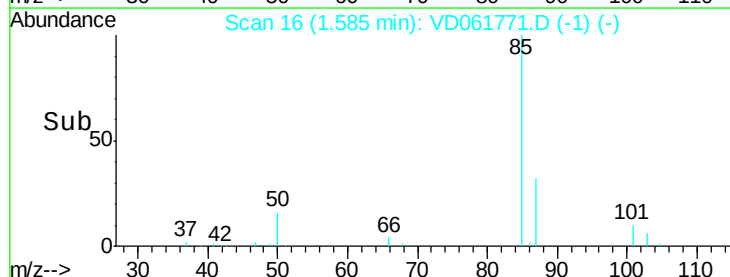
100000

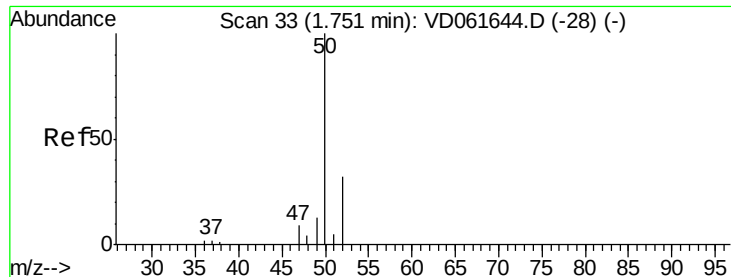
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.237 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

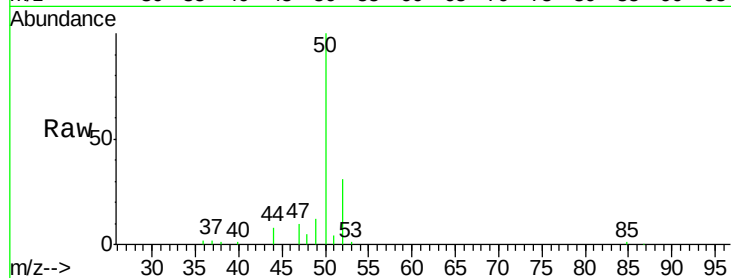
VSTDCCC050

Tot Ion: 50 Resp: 280717

Ion Ratio Lower Upper

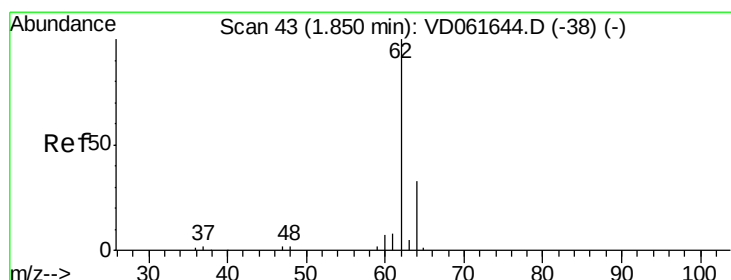
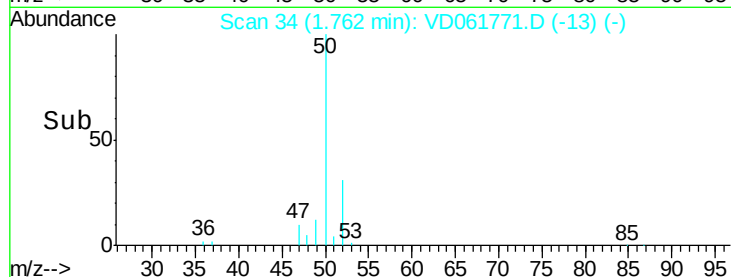
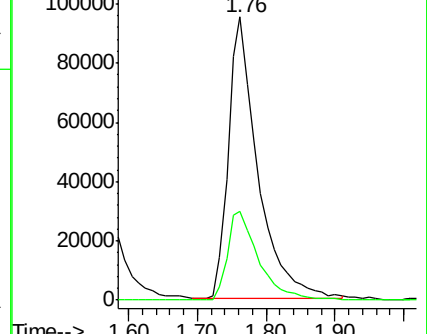
50 100

52 31.2 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.728 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061771.D

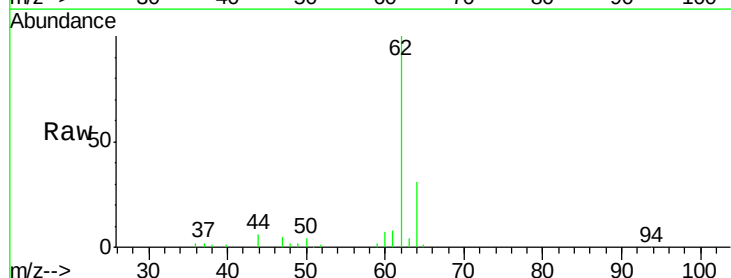
Acq: 12 Apr 2019 11:33

Tgt Ion: 62 Resp: 270589

Ion Ratio Lower Upper

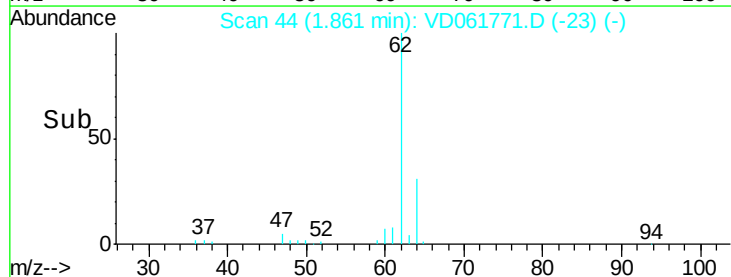
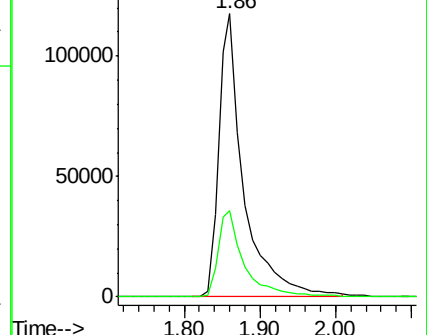
62 100

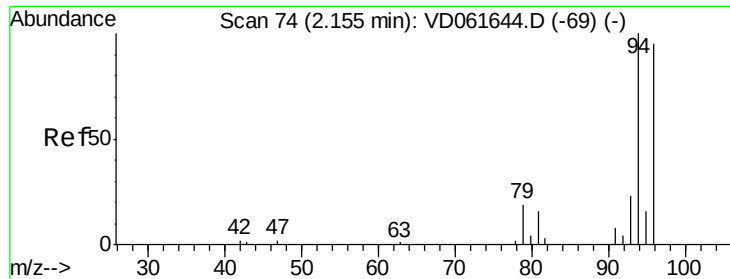
64 30.7 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.776 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC050

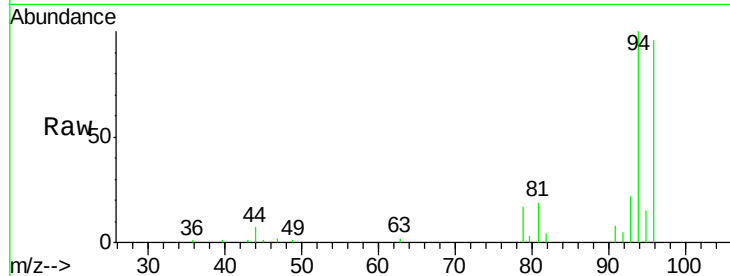
Tot Ion: 94 Resp: 66548

Ion Ratio Lower Upper

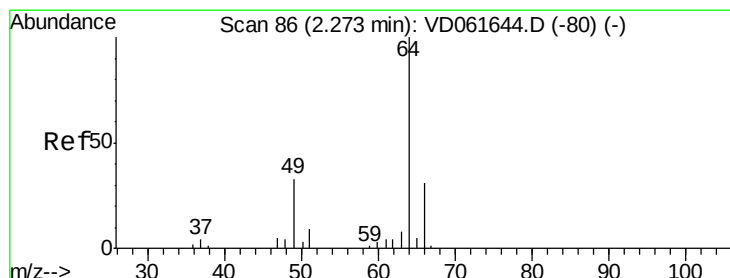
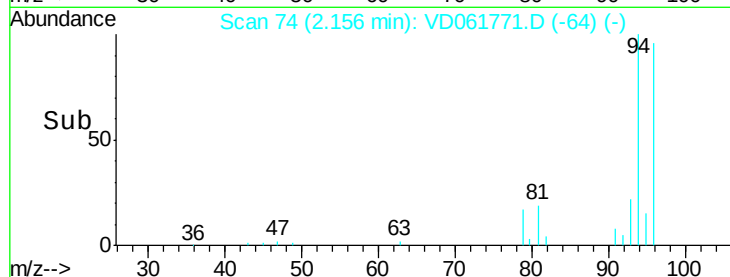
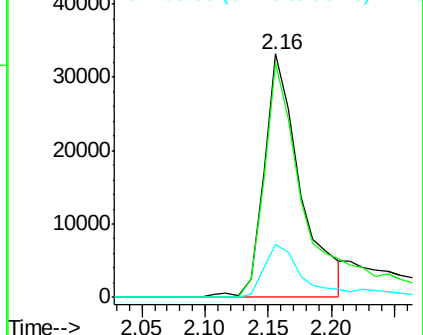
94 100

96 96.1 75.8 113.8

93 21.5 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 61.227 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061771.D

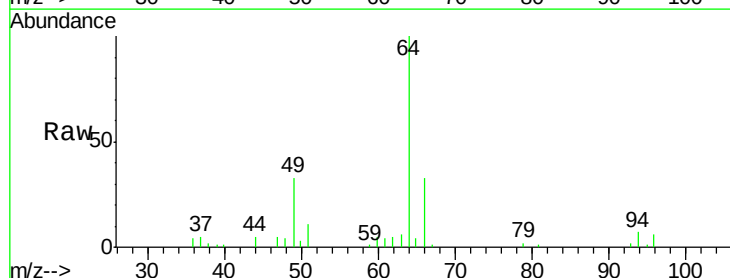
Acq: 12 Apr 2019 11:33

Tgt Ion: 64 Resp: 106492

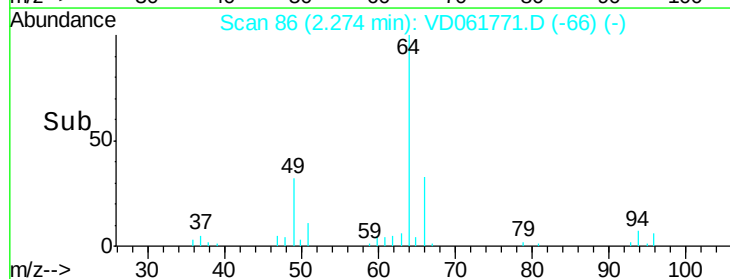
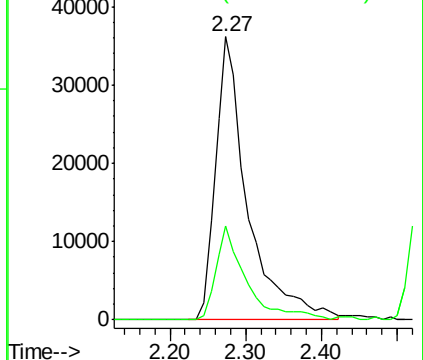
Ion Ratio Lower Upper

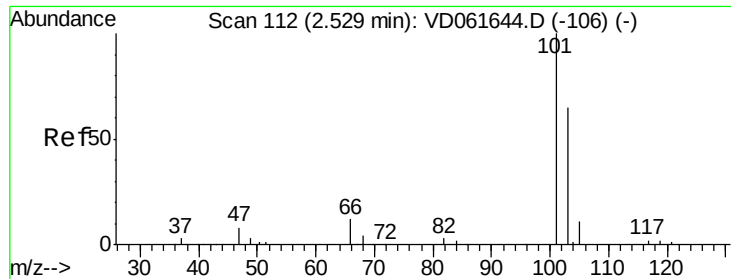
64 100

66 33.3 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



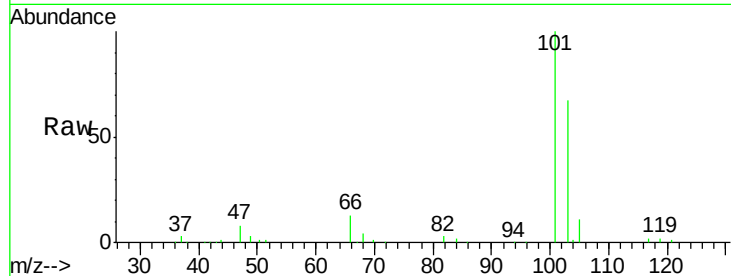


#7

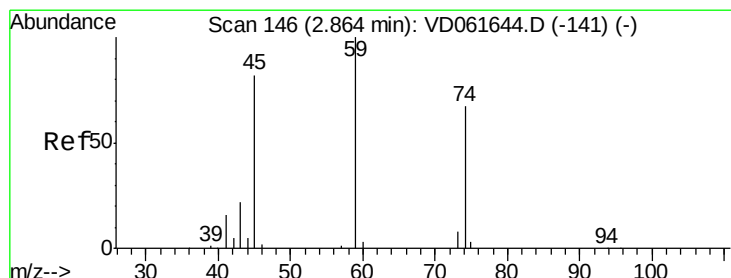
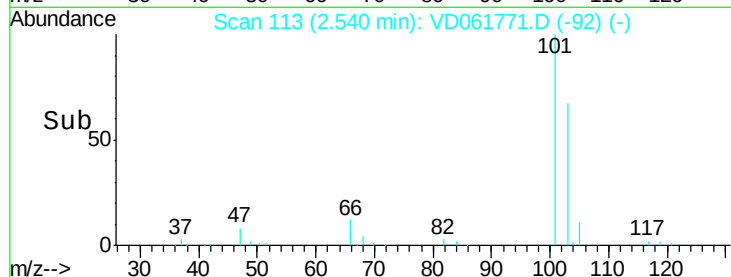
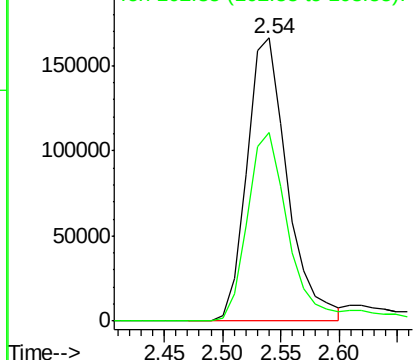
Trichlorofluoromethane
Concen: 47.669 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 399681
Ion Ratio Lower Upper
101 100
103 66.8 52.0 78.0



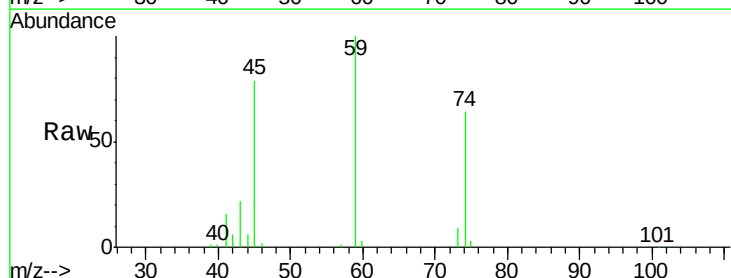
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



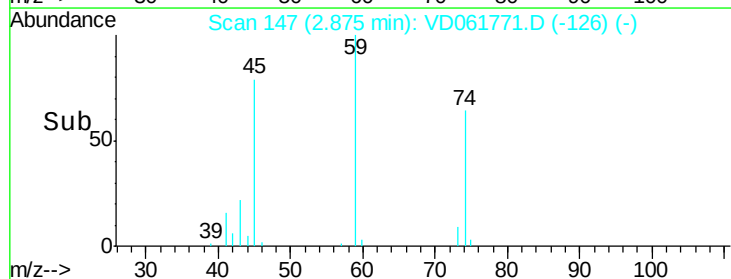
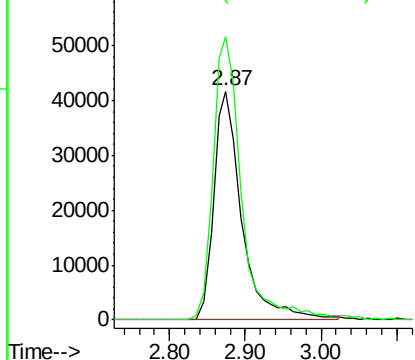
#8

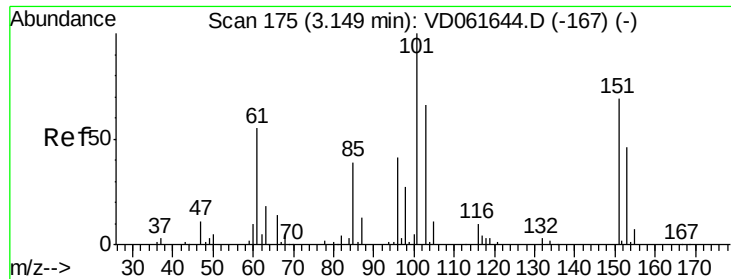
Diethyl Ether
Concen: 45.799 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
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Tgt Ion: 74 Resp: 107769
Ion Ratio Lower Upper
74 100
45 123.7 61.0 183.0



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

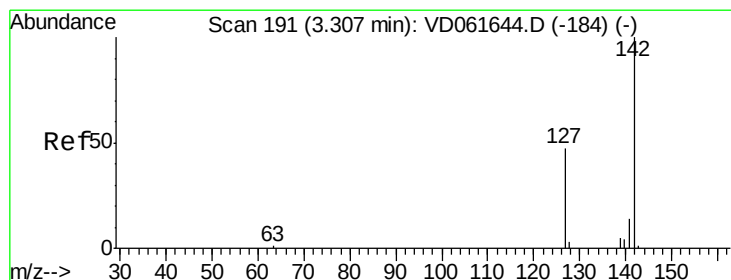
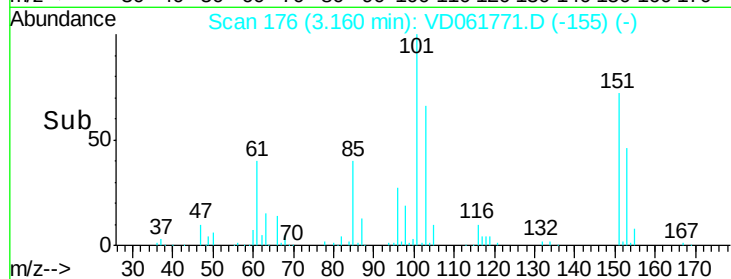
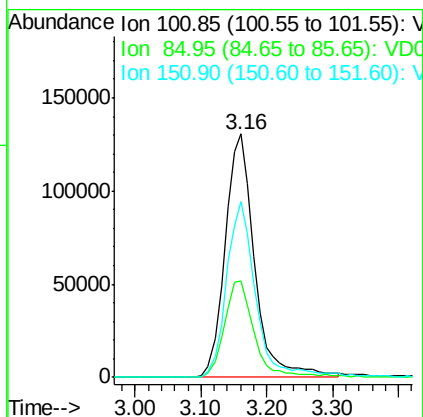
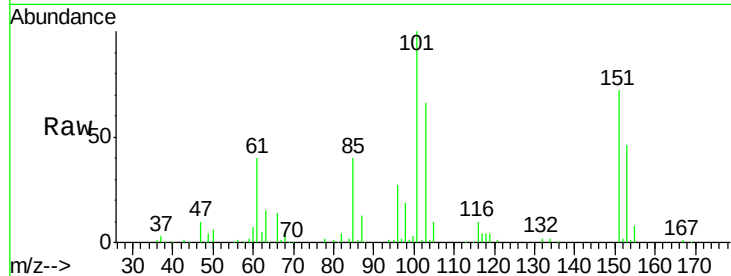




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.696 ug/l
 RT: 3.16 min Scan# 176
 Delta R.T. 0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

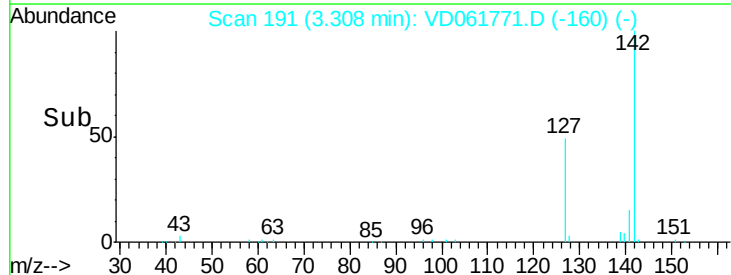
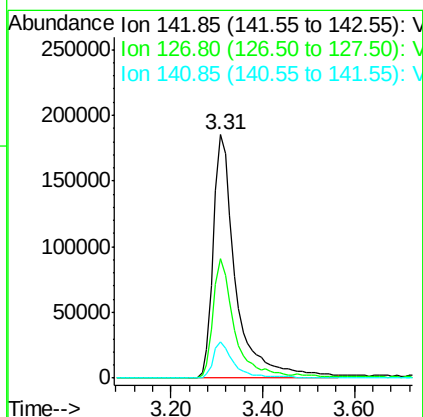
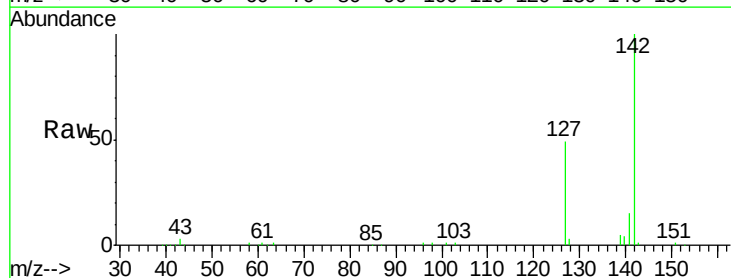
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

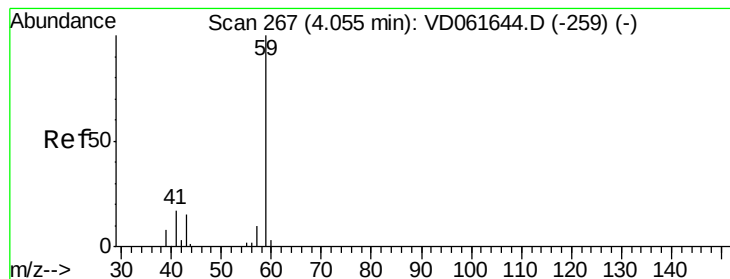
Tot Ion:101 Resp: 409650
 Ion Ratio Lower Upper
 101 100
 85 39.6 31.0 46.6
 151 72.4 55.3 82.9



#10
 Methyl Iodide
 Concen: 51.026 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion:142 Resp: 628242
 Ion Ratio Lower Upper
 142 100
 127 48.9 37.2 55.8
 141 15.0 10.8 16.2



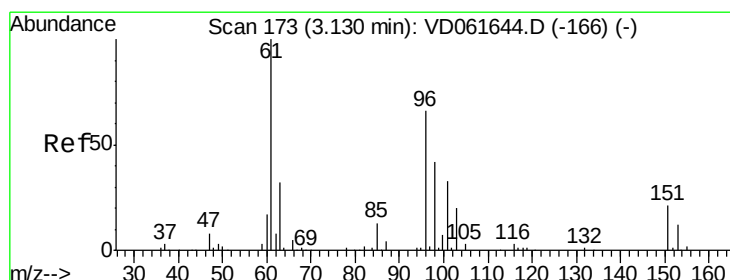
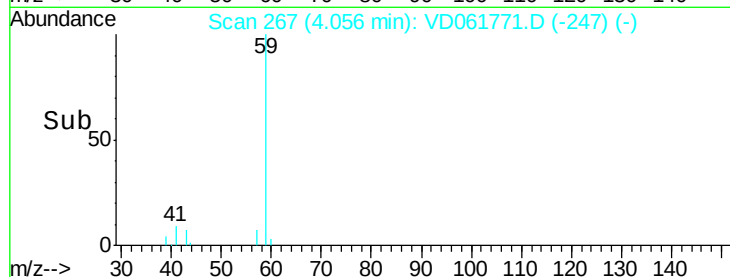
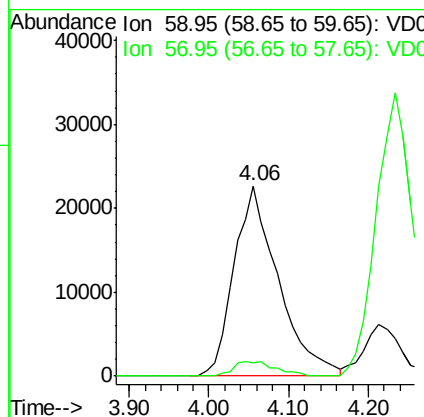
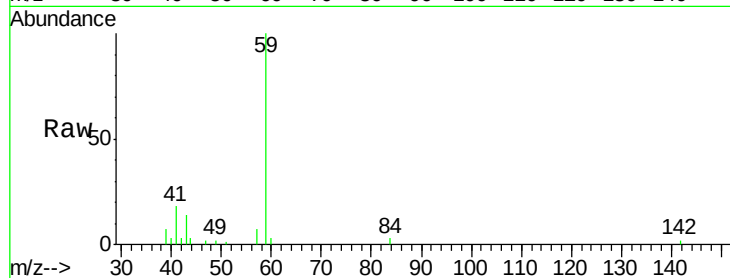


#11

Tert butyl alcohol
Concen: 253.827 ug/l
RT: 4.06 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

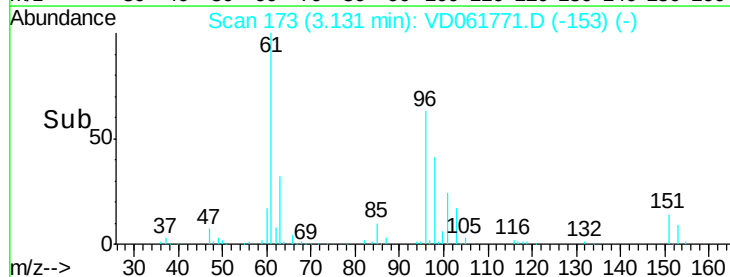
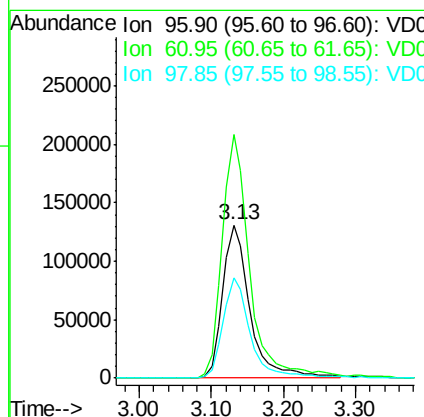
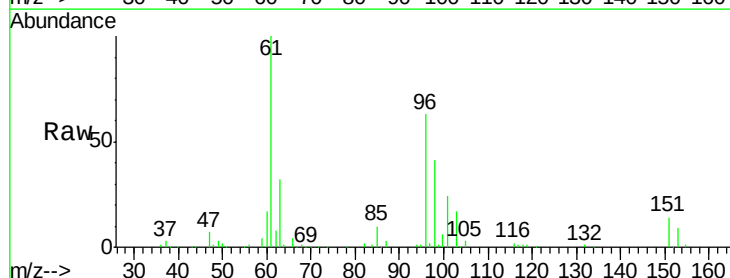
Tot Ion: 59 Resp: 87896
Ion Ratio Lower Upper
59 100
57 6.9 8.4 12.6#

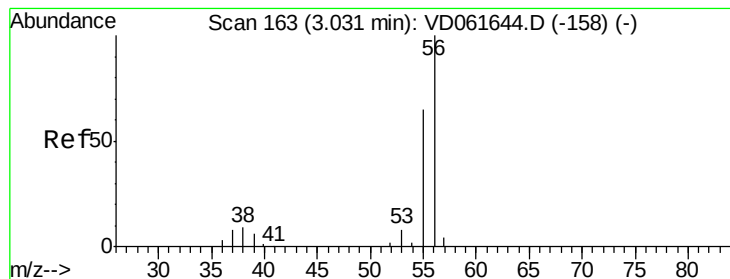


#12

1,1-Dichloroethene
Concen: 48.644 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 96 Resp: 345676
Ion Ratio Lower Upper
96 100
61 158.9 121.3 181.9
98 65.1 50.6 76.0





#13

Acrolein

Concen: 255.686 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

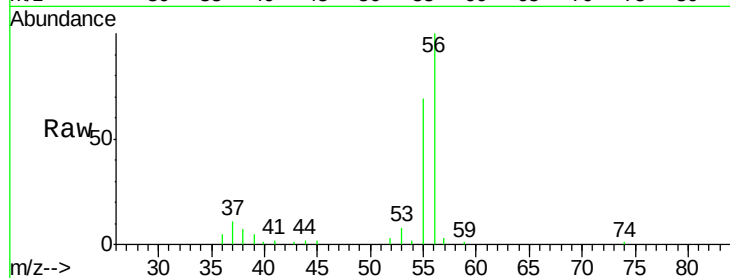
VSTDCCC050

Tot Ion: 56 Resp: 107949

Ion Ratio Lower Upper

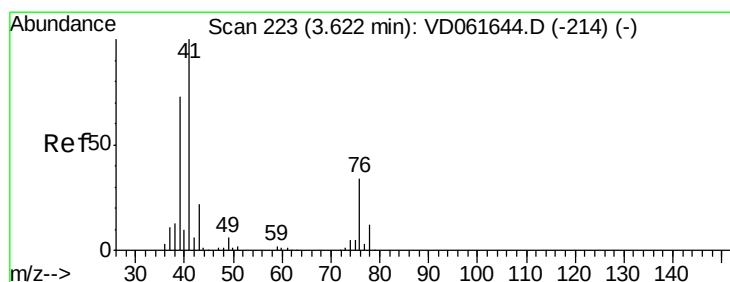
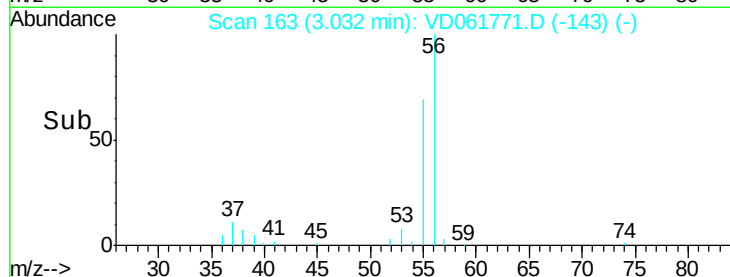
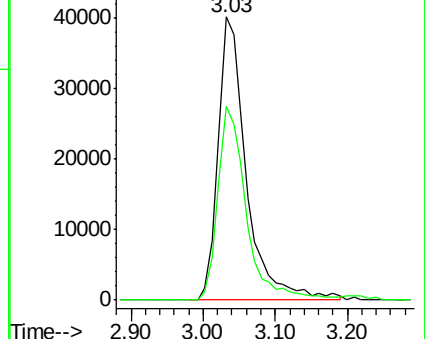
56 100

55 68.5 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.120 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

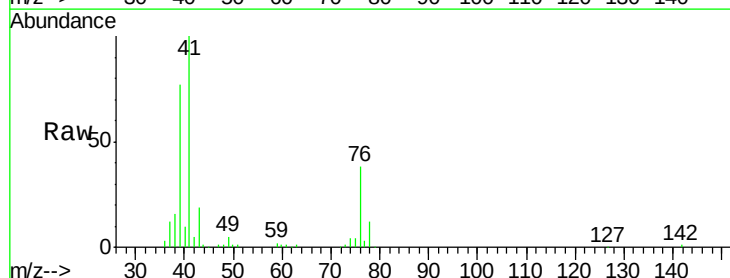
Tgt Ion: 41 Resp: 485778

Ion Ratio Lower Upper

41 100

39 76.8 58.2 87.4

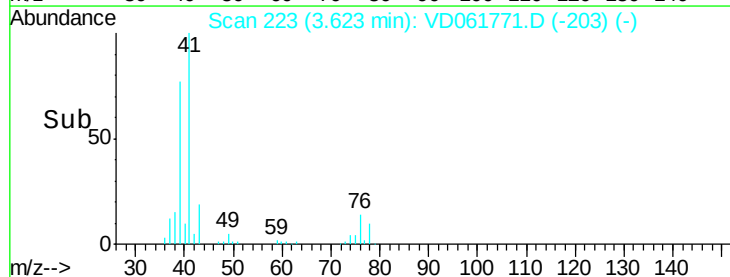
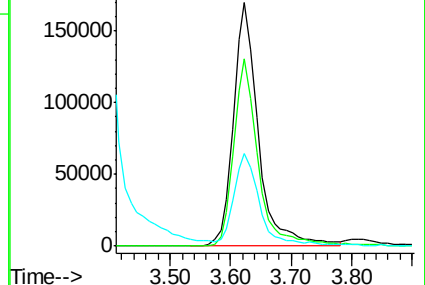
76 38.3 29.8 44.6

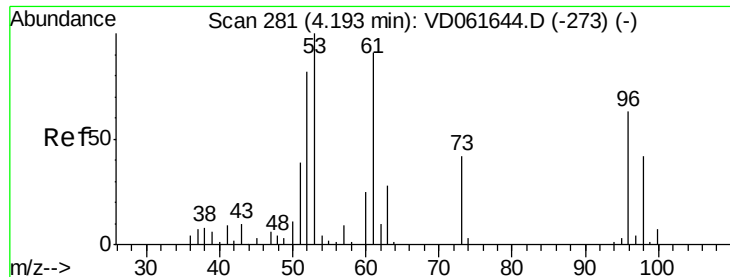


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 231.107 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

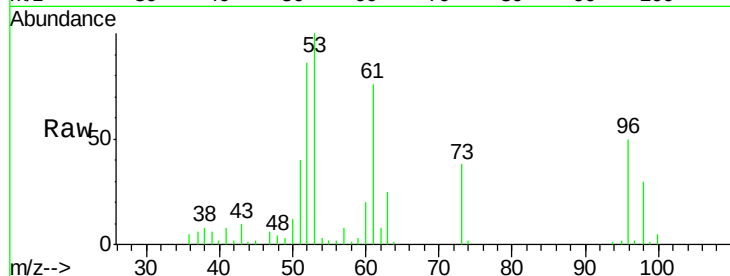
Tot Ion: 53 Resp: 275485

Ion Ratio Lower Upper

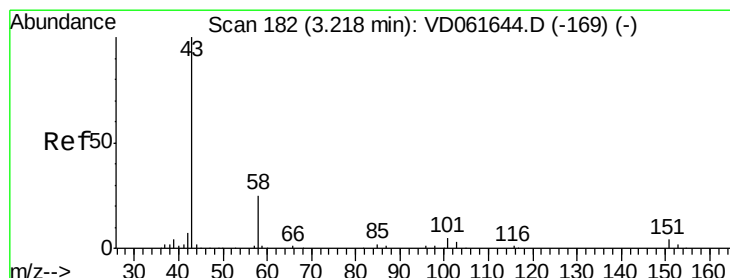
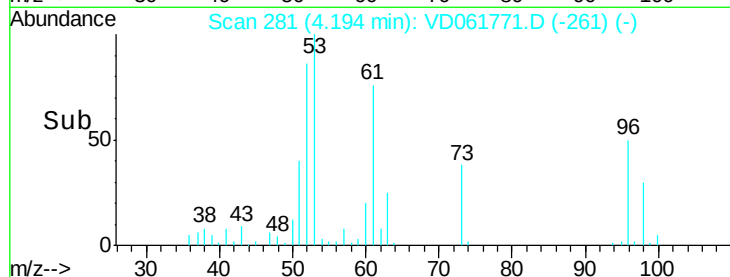
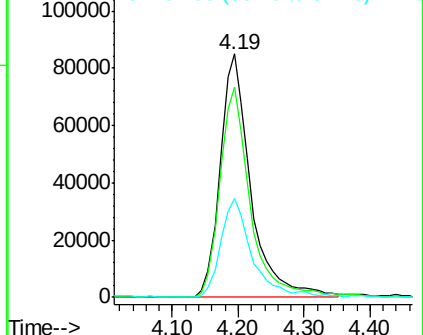
53 100

52 86.2 65.9 98.9

51 40.4 31.4 47.2



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



#16

Acetone

Concen: 273.024 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061771.D

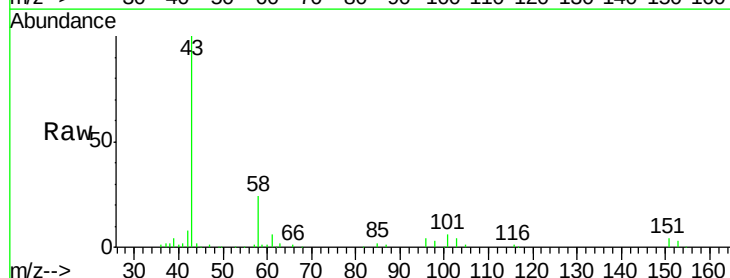
Acq: 12 Apr 2019 11:33

Tgt Ion: 43 Resp: 421706

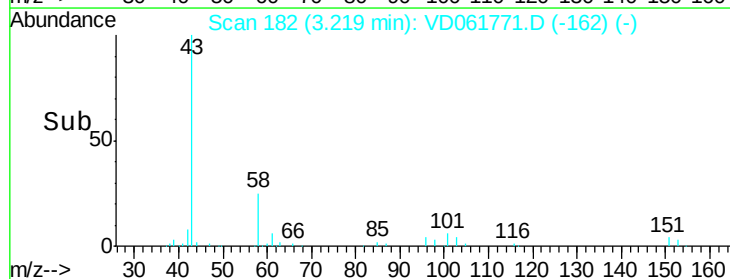
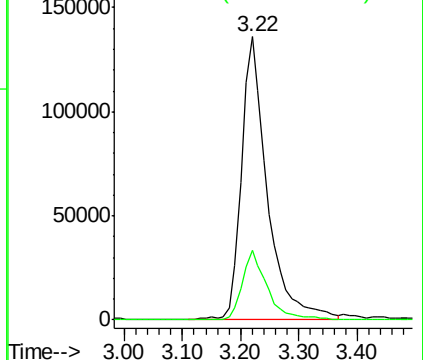
Ion Ratio Lower Upper

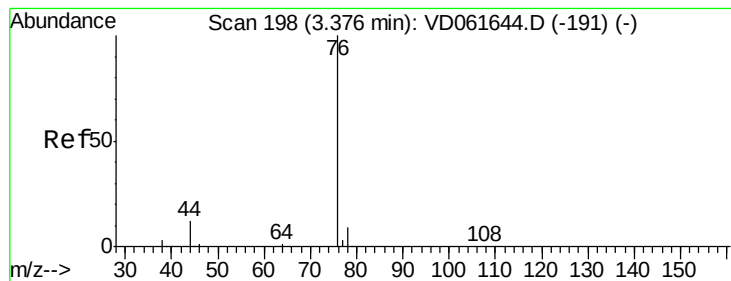
43 100

58 24.5 19.7 29.5



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





#17

Carbon Disulfide

Concen: 47.262 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

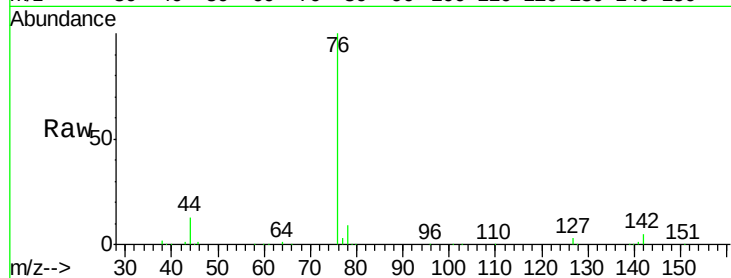
VSTDCCC050

Tot Ion: 76 Resp: 1091299

Ion Ratio Lower Upper

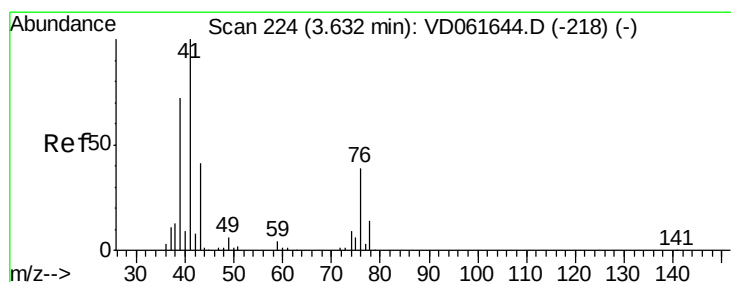
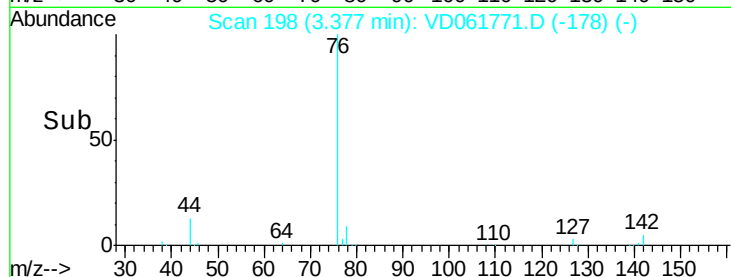
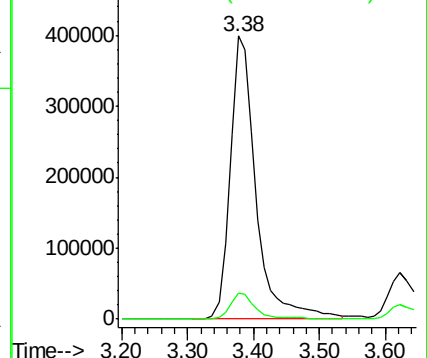
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.912 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061771.D

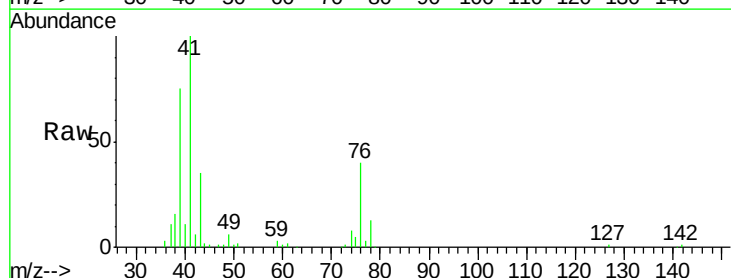
Acq: 12 Apr 2019 11:33

Tgt Ion: 43 Resp: 147952

Ion Ratio Lower Upper

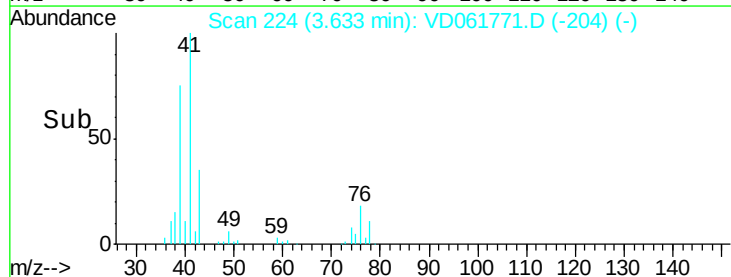
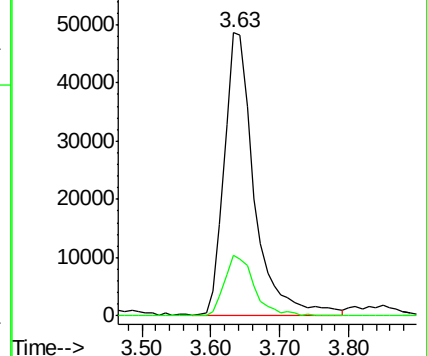
43 100

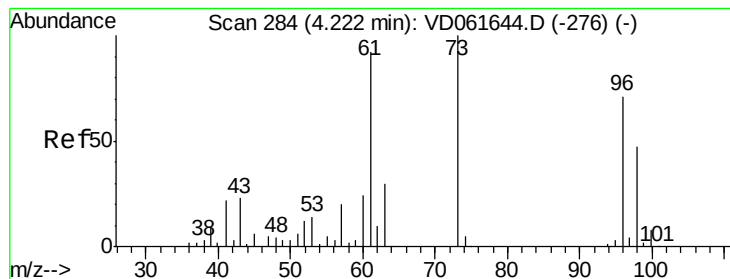
74 21.4 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



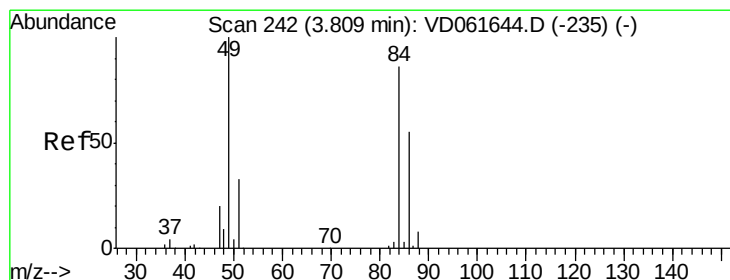
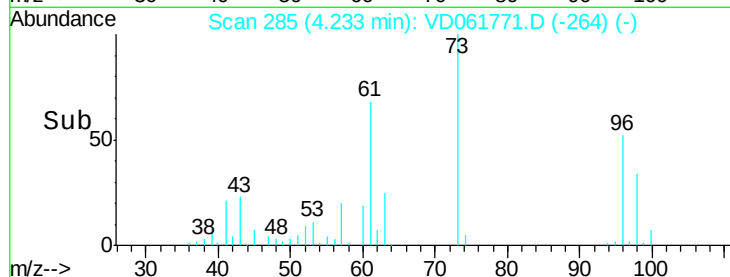
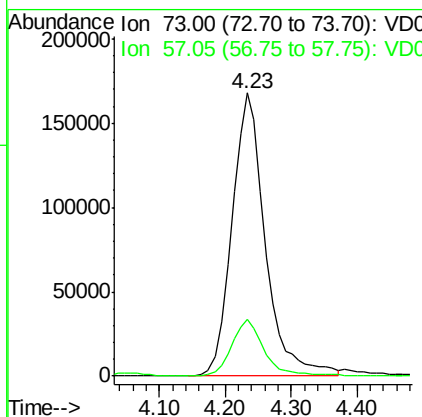
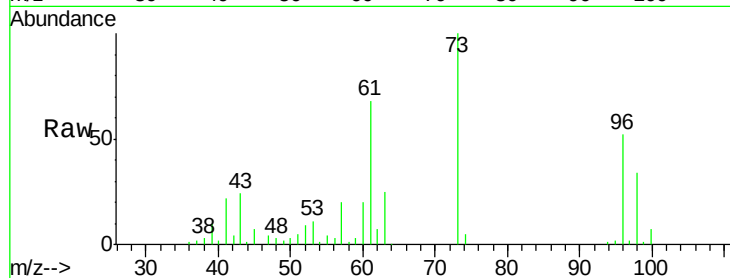


#19

Methvl tert-butvl Ether
 Concen: 48.358 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

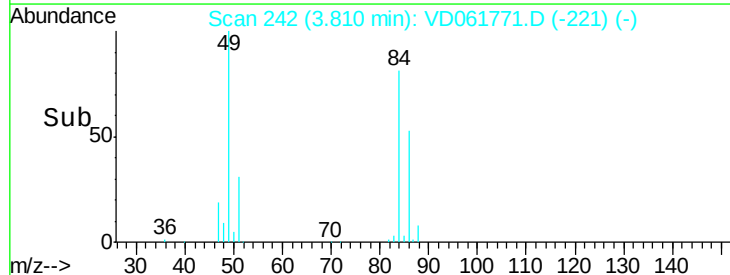
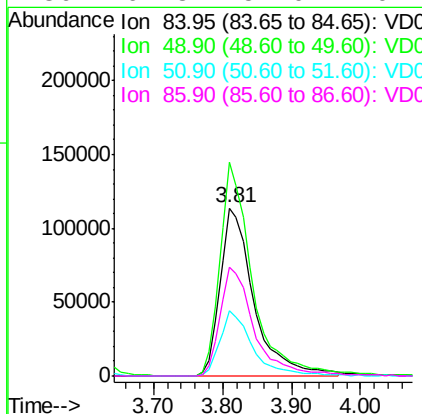
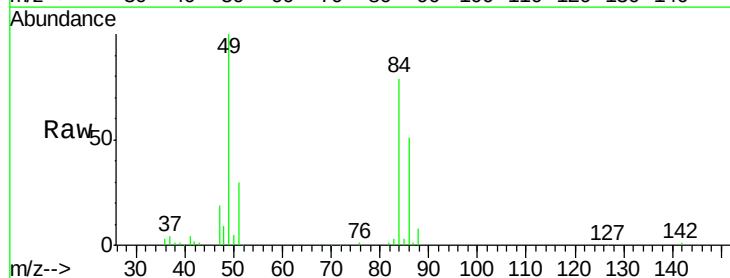
Tot Ion: 73 Resp: 595015
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.0 24.0

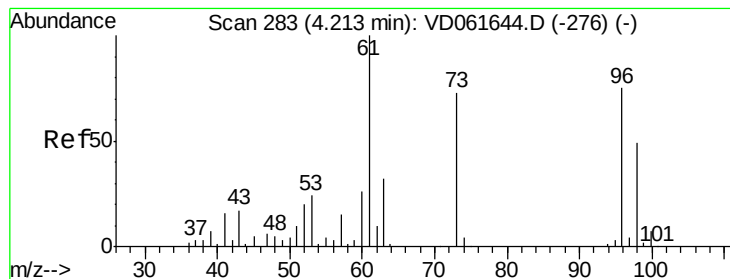


#20

Methylene Chloride
 Concen: 44.214 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 84 Resp: 387522
 Ion Ratio Lower Upper
 84 100
 49 127.0 93.0 139.4
 51 38.7 30.4 45.6
 86 64.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 46.941 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

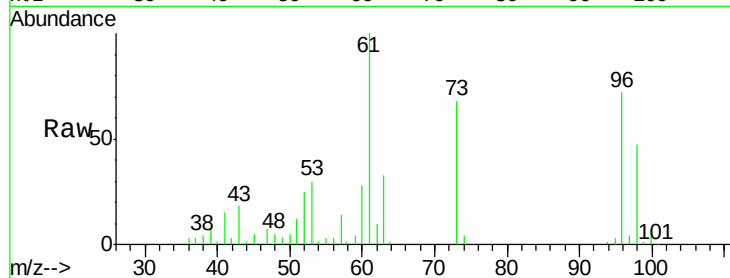
Tot Ion: 96 Resp: 362295

Ion Ratio Lower Upper

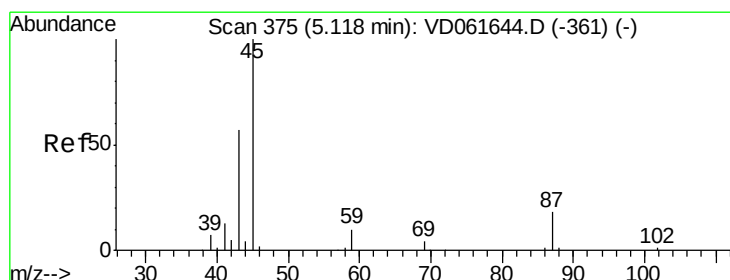
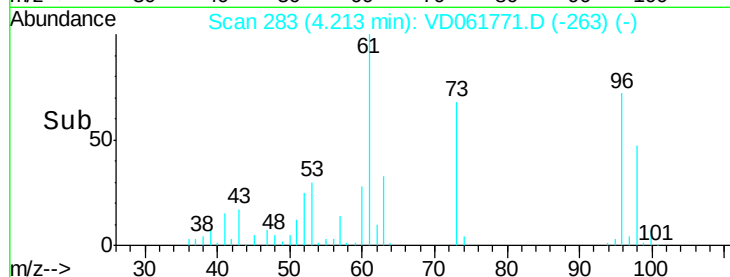
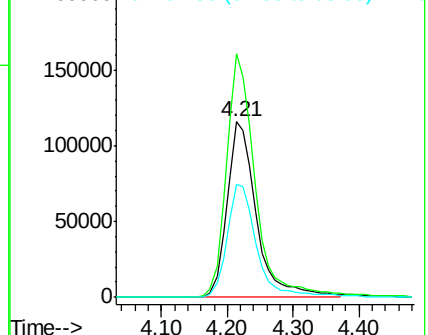
96 100

61 138.7 106.8 160.2

98 64.7 52.2 78.2



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



#22

Diisopropyl ether

Concen: 51.487 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Tgt Ion: 45 Resp: 1046254

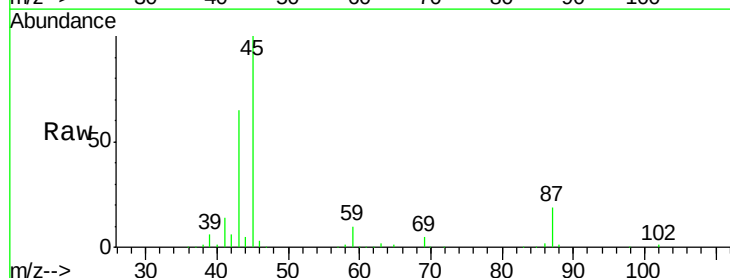
Ion Ratio Lower Upper

45 100

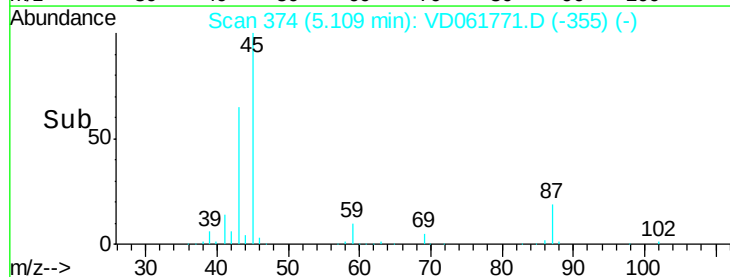
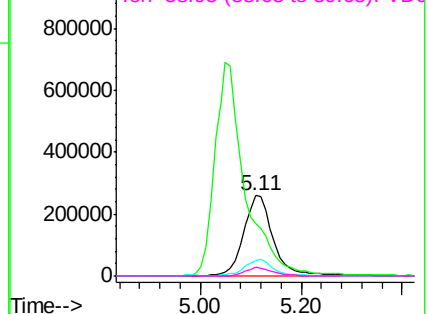
43 65.3 46.6 70.0

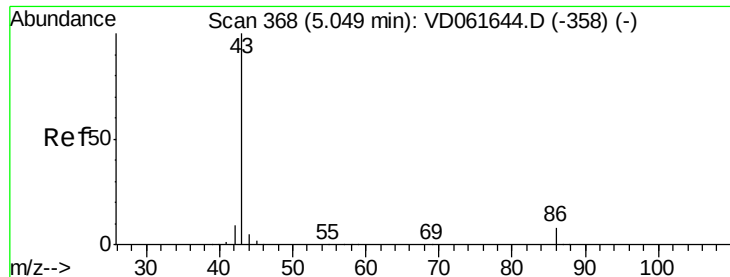
87 19.4 15.6 23.4

59 10.4 8.6 13.0



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: 255.178 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

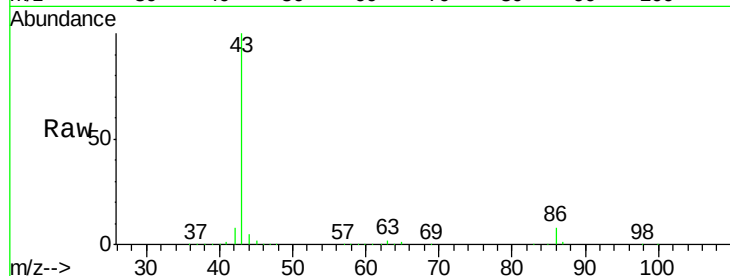
VSTDCCC050

Tot Ion: 43 Resp: 2861234

Ion Ratio Lower Upper

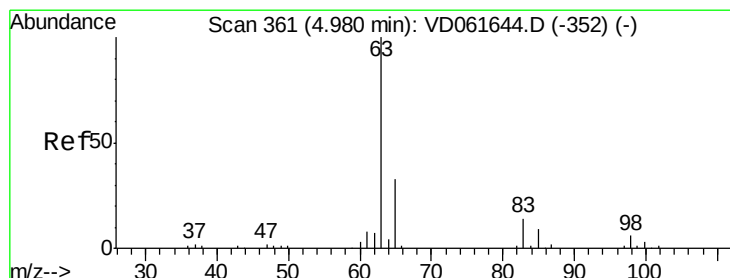
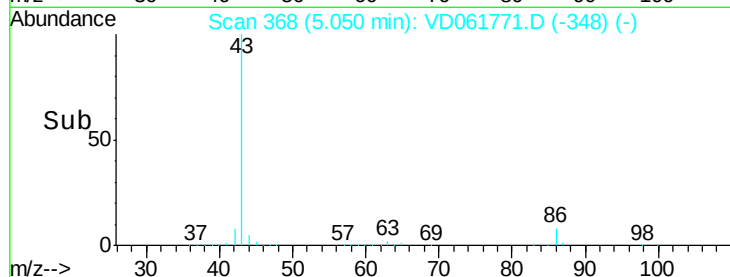
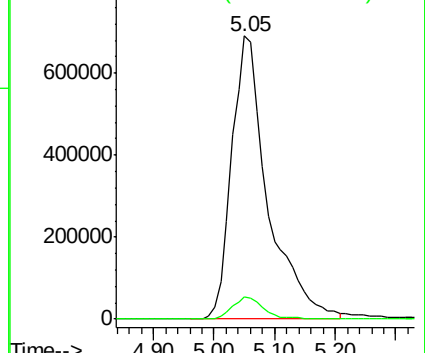
43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.618 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

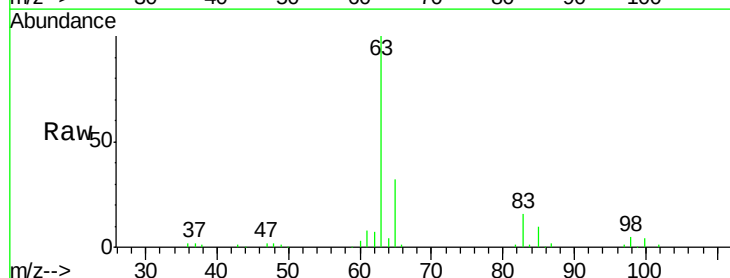
Tgt Ion: 63 Resp: 617869

Ion Ratio Lower Upper

63 100

98 4.7 2.9 8.6

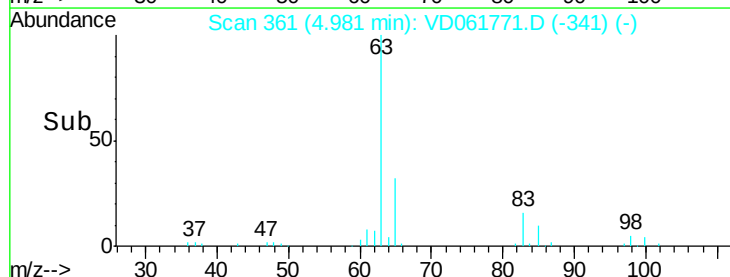
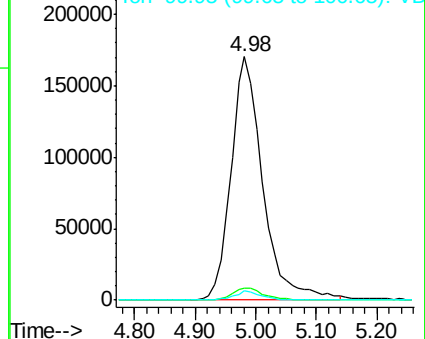
100 3.7 1.7 5.1

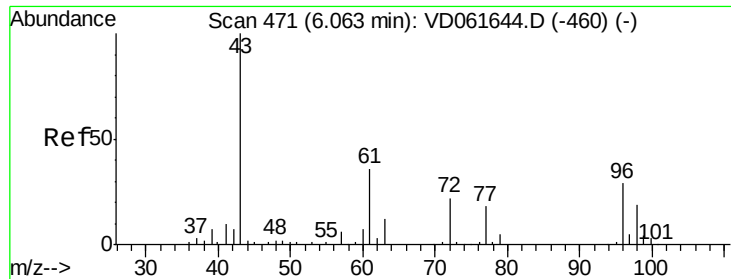


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 259.414 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

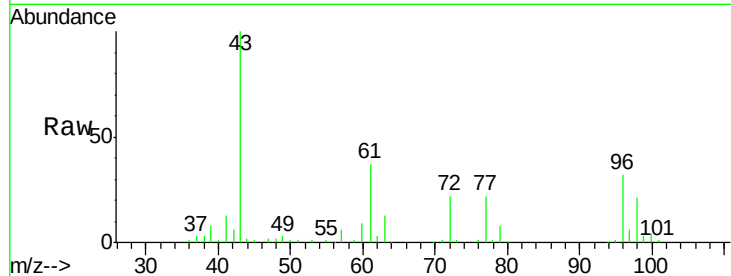
VSTDCCC050

Tot Ion: 43 Resp: 461921

Ion Ratio Lower Upper

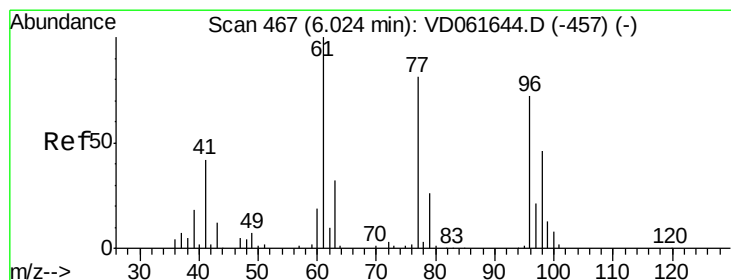
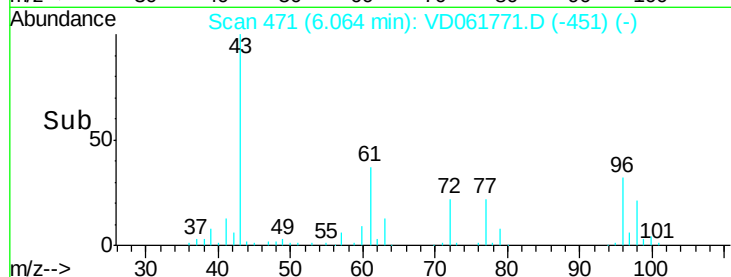
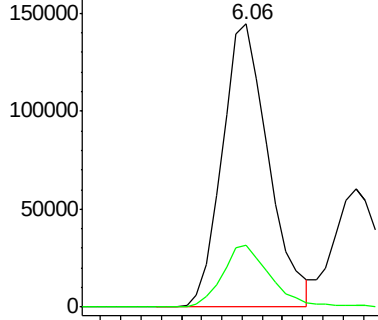
43 100

72 22.1 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.557 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061771.D

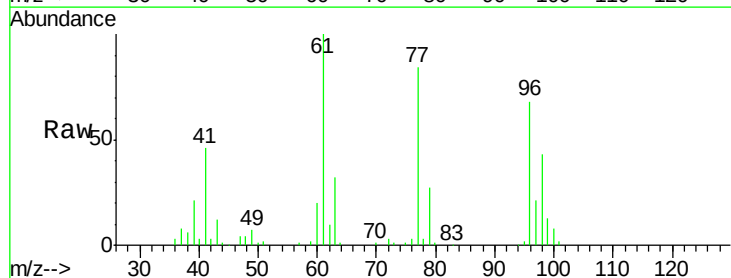
Acq: 12 Apr 2019 11:33

Tgt Ion: 77 Resp: 563324

Ion Ratio Lower Upper

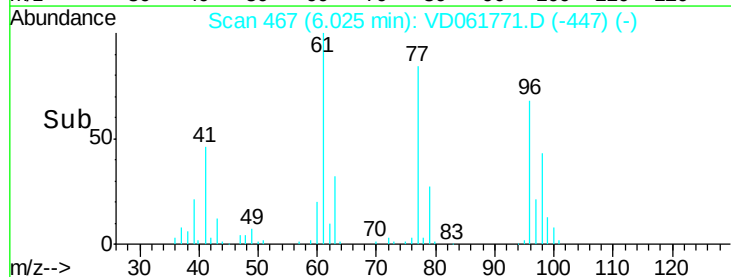
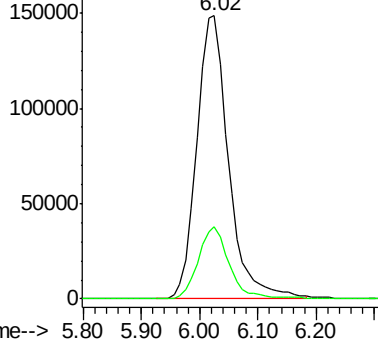
77 100

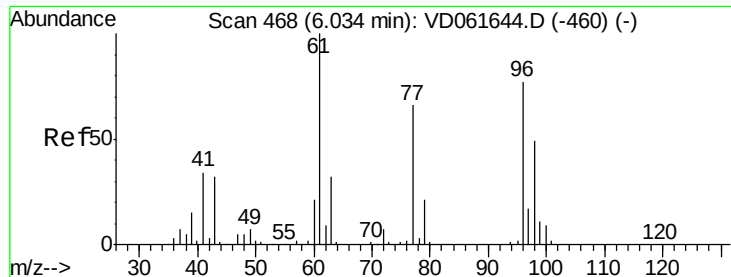
97 25.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



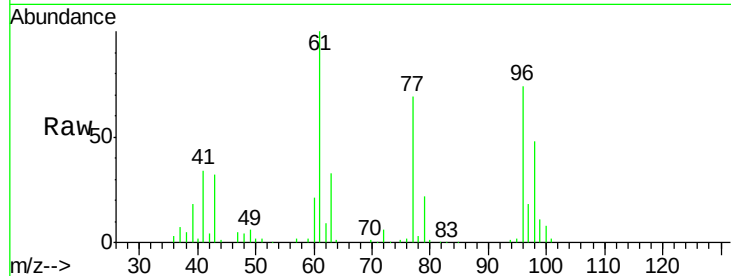


#27

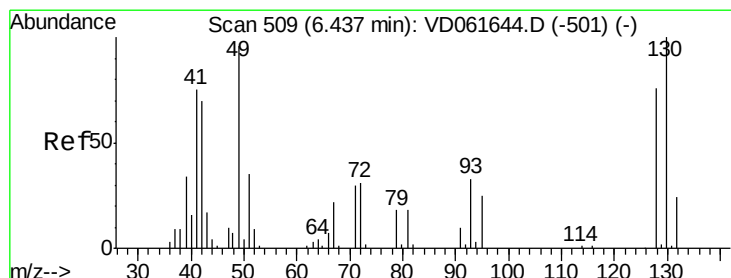
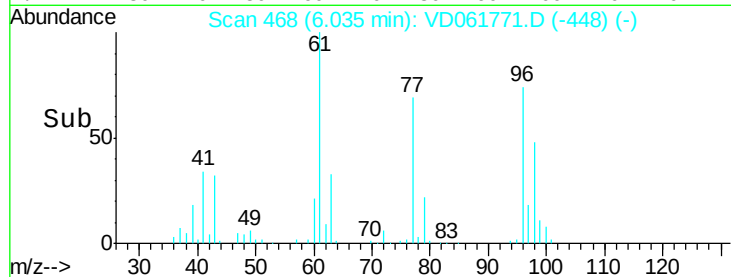
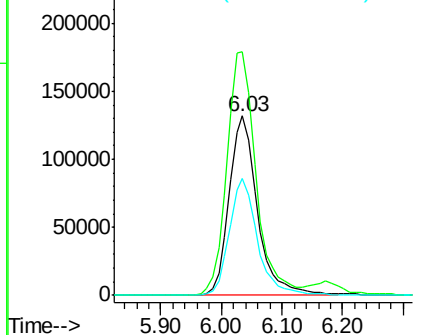
cis-1,2-Dichloroethene
 Concen: 52.166 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	429527
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	259.8
98	65.0	0.0	127.6



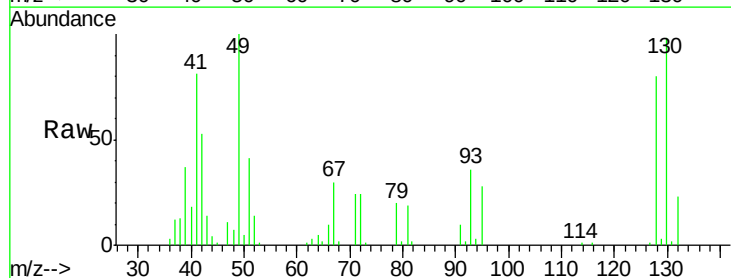
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



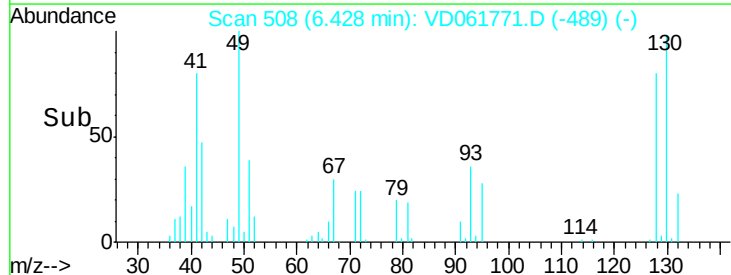
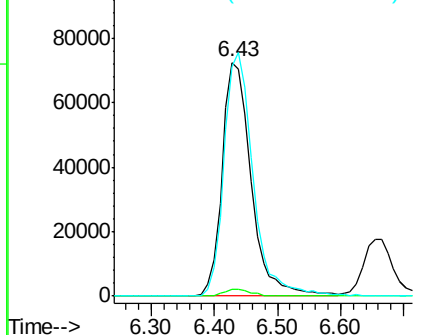
#28

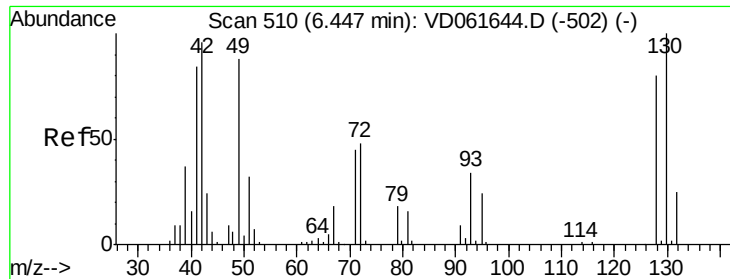
Bromochloromethane
 Concen: 50.561 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion	49	Resp	232256
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.0
130	98.3	83.3	124.9



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

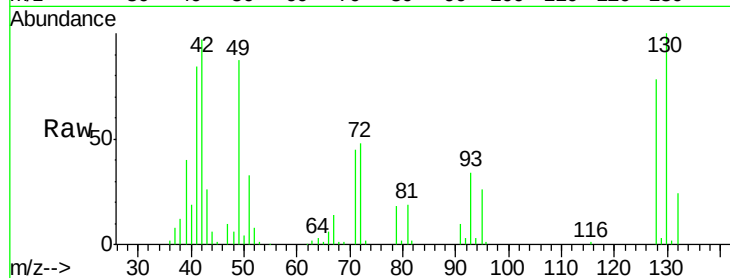




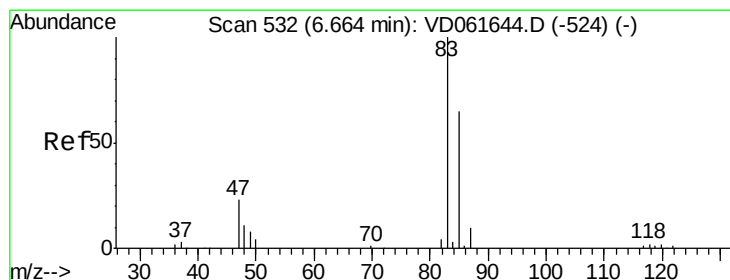
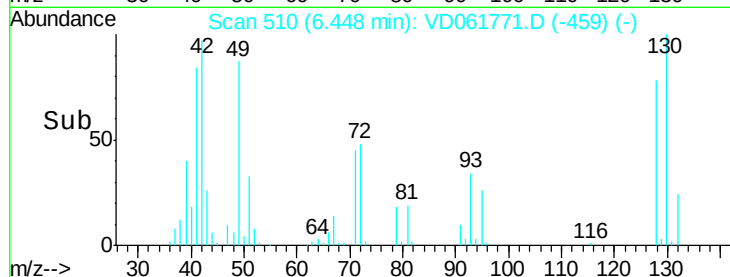
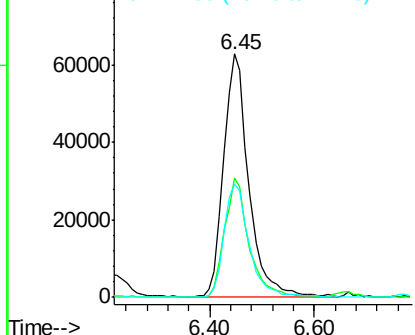
#29
Tetrahydrofuran
Concen: 243.562 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 209359
Ion Ratio Lower Upper
42 100
72 47.1 37.0 55.6
71 46.2 36.5 54.7

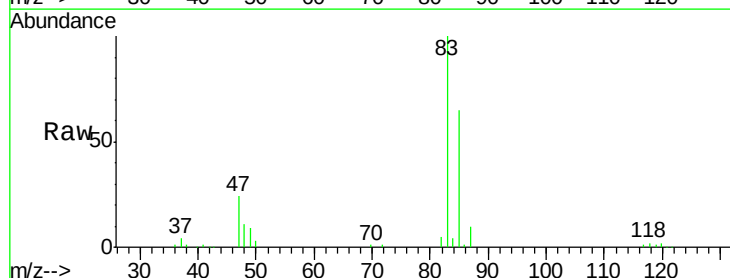


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

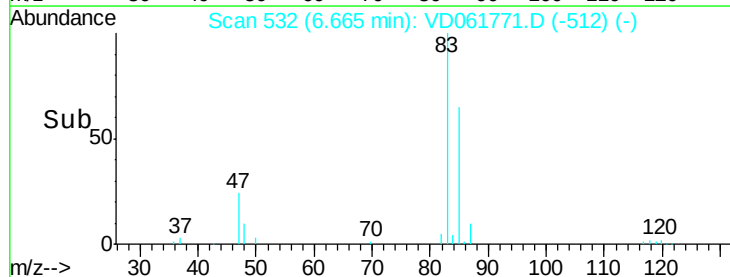
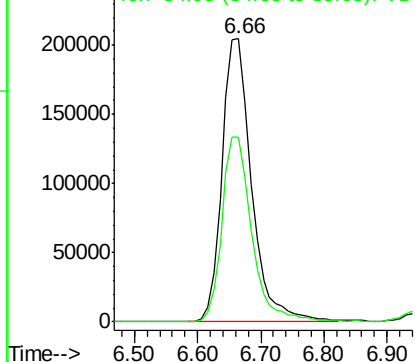


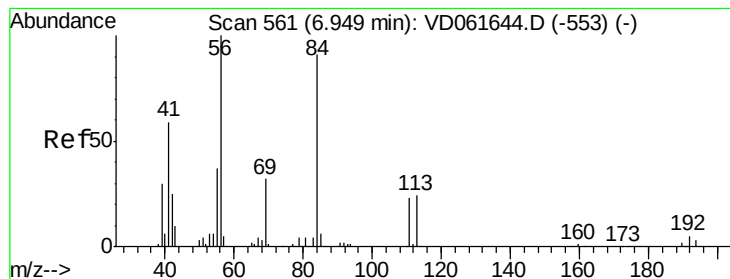
#30
Chloroform
Concen: 51.192 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 83 Resp: 667800
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9



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





#31

Cyclohexane

Concen: 52.240 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

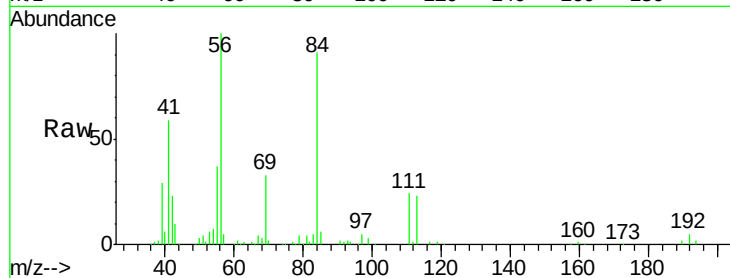
Tot Ion: 56 Resp: 508199

Ion Ratio Lower Upper

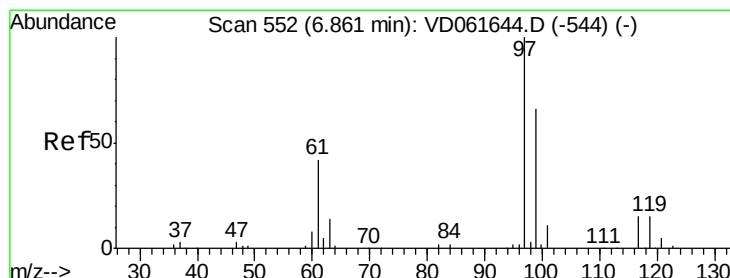
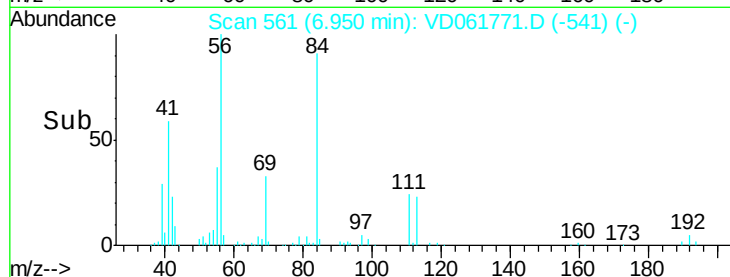
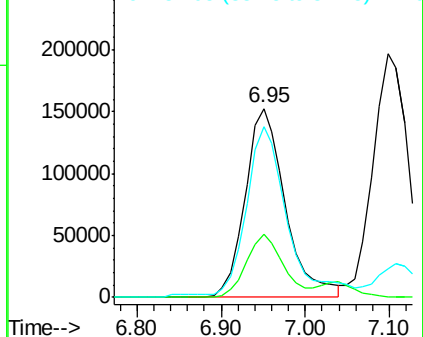
56 100

69 33.1 25.8 38.6

84 90.6 74.2 111.2



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: 53.387 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

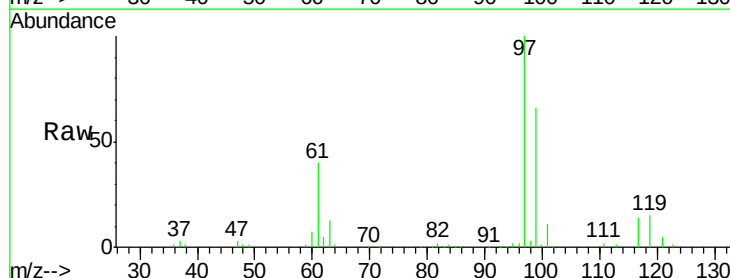
Tgt Ion: 97 Resp: 610302

Ion Ratio Lower Upper

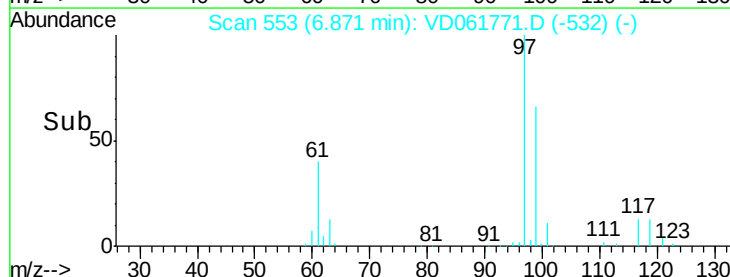
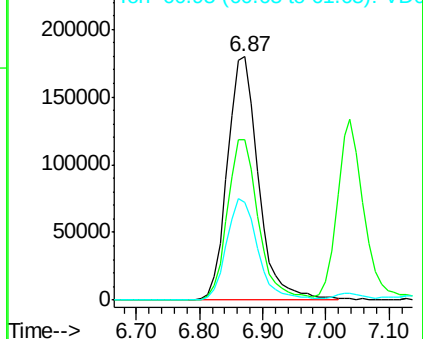
97 100

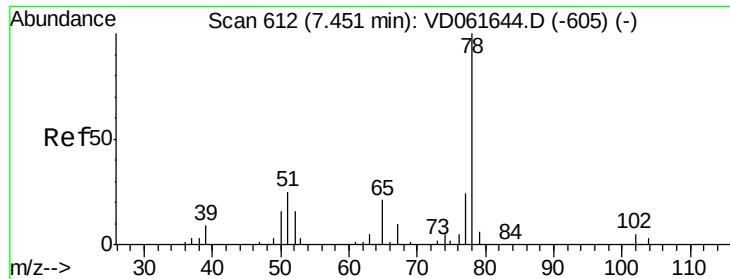
99 66.1 52.5 78.7

61 40.1 33.4 50.0



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

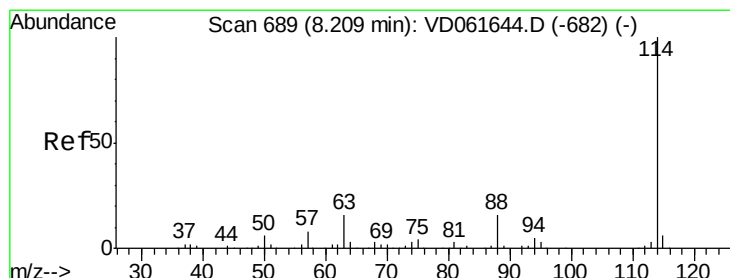
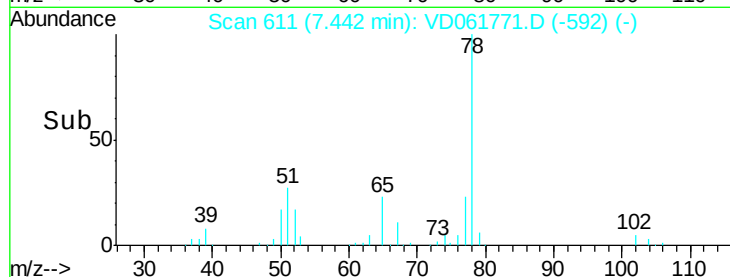
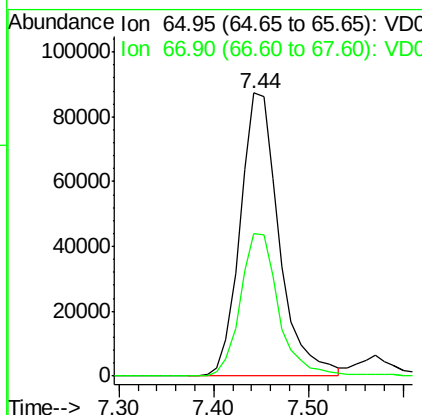
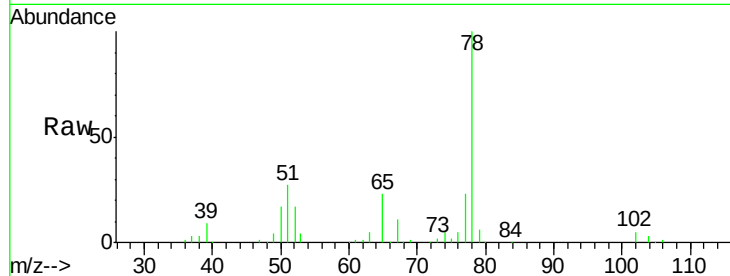




#33
 1,2-Dichloroethane-d4
 Concen: 53.387 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

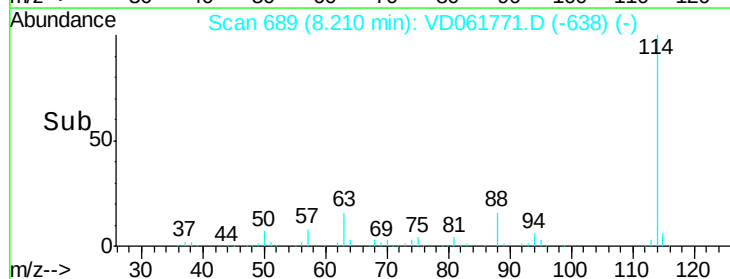
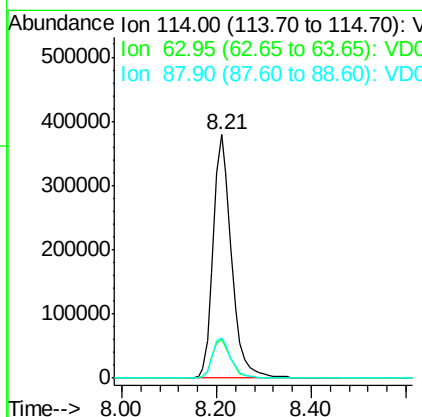
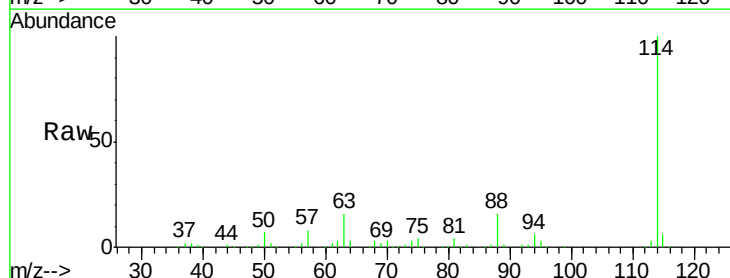
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

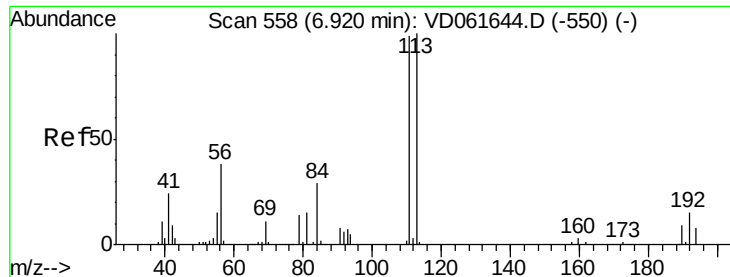
Tot Ion: 65 Resp: 249140
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 114 Resp: 1015941
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.2
 88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

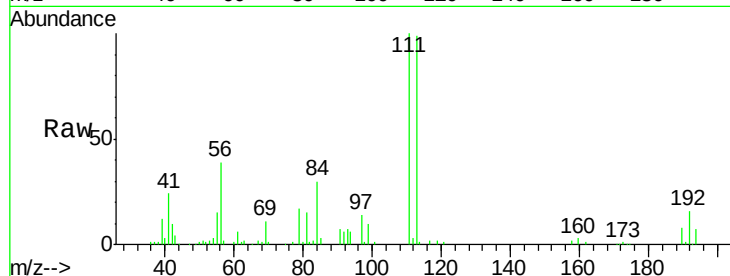
Tot Ion:113 Resp: 383702

Ion Ratio Lower Upper

113 100

111 100.6 79.3 118.9

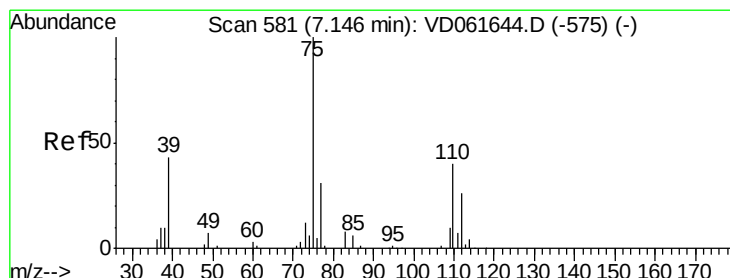
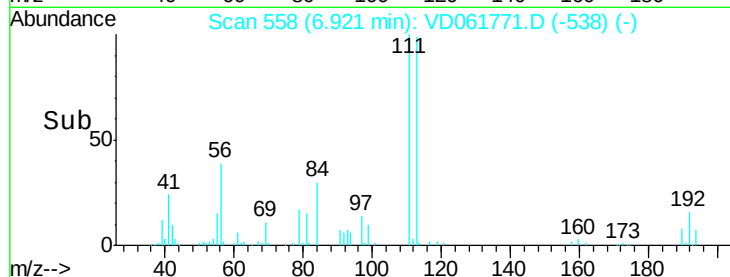
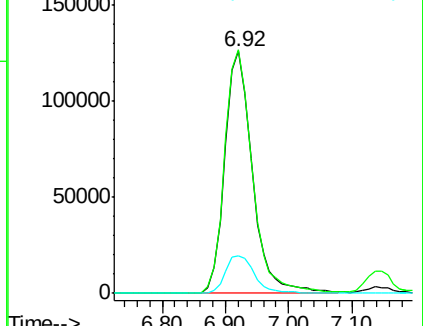
192 15.6 12.3 18.5



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: 56.829 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

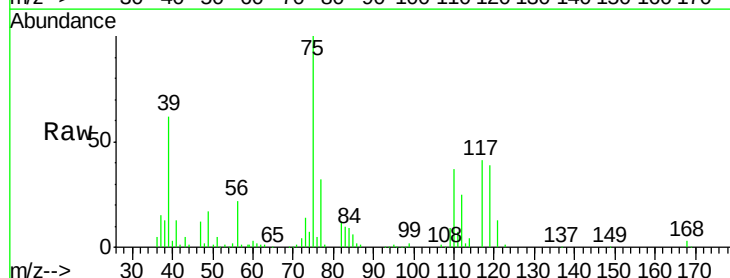
Tgt Ion: 75 Resp: 505290

Ion Ratio Lower Upper

75 100

110 36.6 19.7 59.0

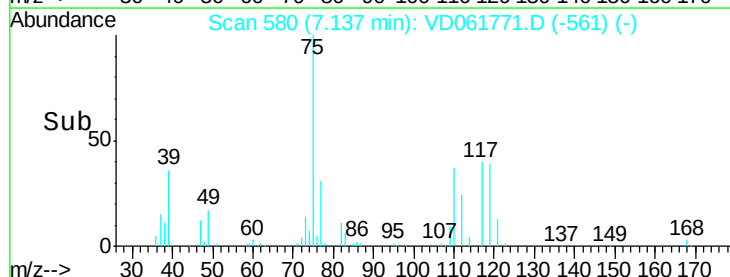
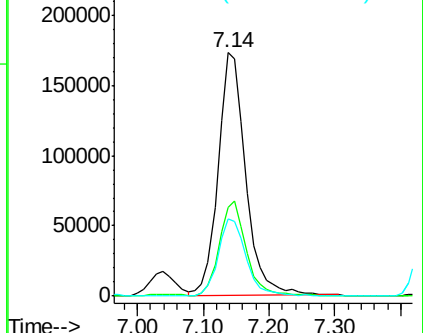
77 31.7 24.8 37.2

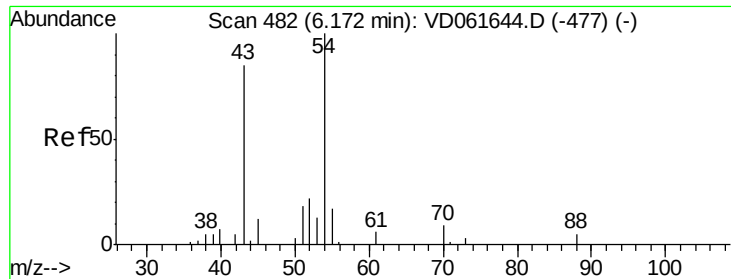


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

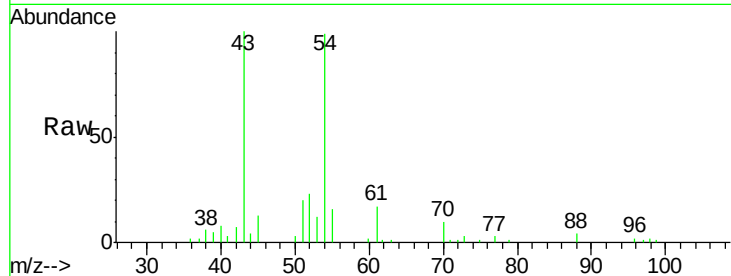




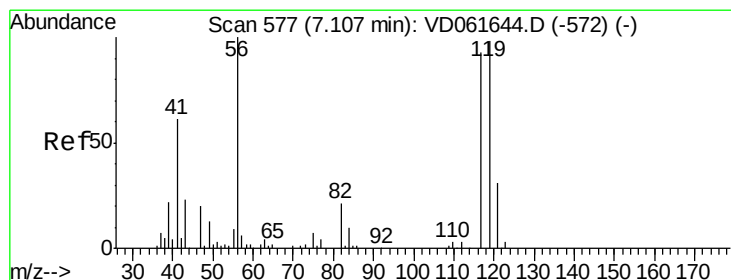
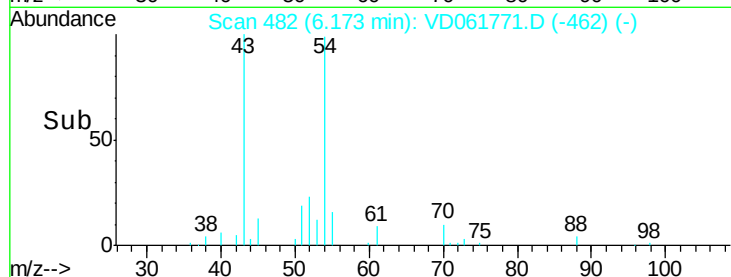
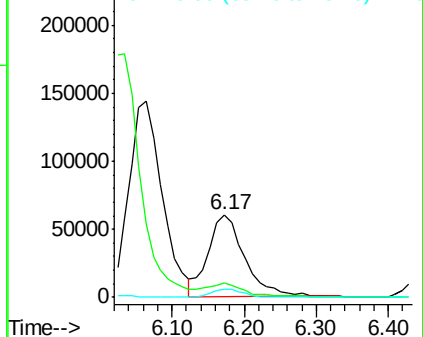
#37
Ethyl Acetate
Concen: 57.372 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 207776
Ion Ratio Lower Upper
43 100
61 16.9 11.9 17.9
70 9.8 6.9 10.3

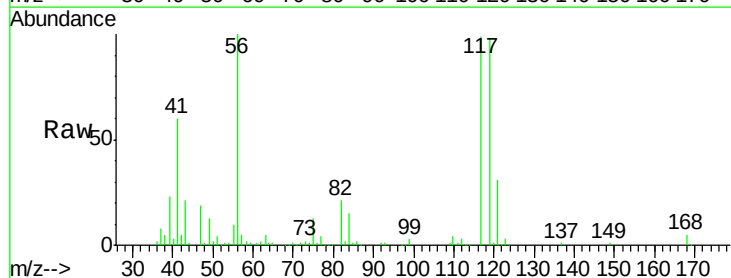


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

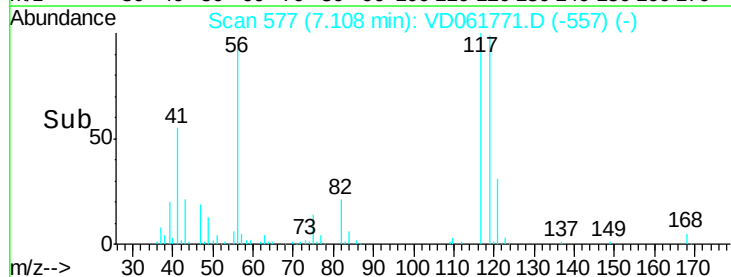
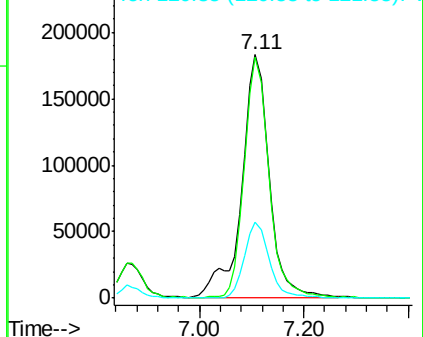


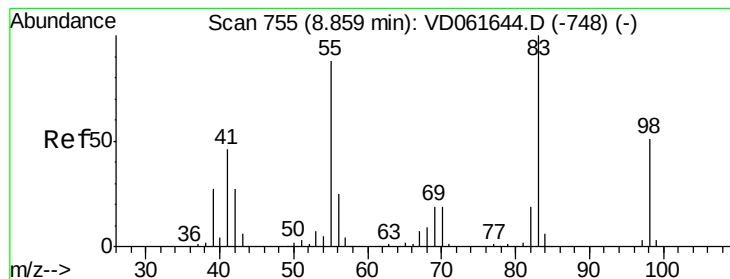
#38
Carbon Tetrachloride
Concen: 62.333 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 117 Resp: 649554
Ion Ratio Lower Upper
117 100
119 99.1 77.9 116.9
121 31.0 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

Methylvlcyclohexane

Concen: 56.367 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

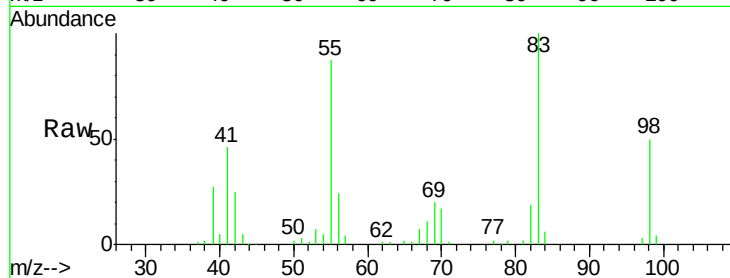
Tot Ion: 83 Resp: 514539

Ion Ratio Lower Upper

83 100

55 86.5 70.3 105.5

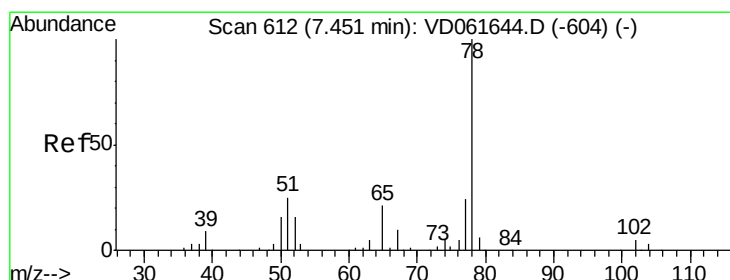
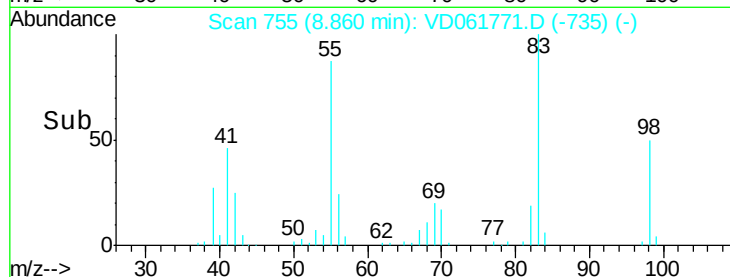
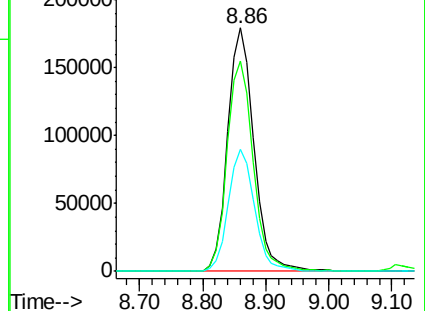
98 50.3 41.0 61.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 56.431 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061771.D

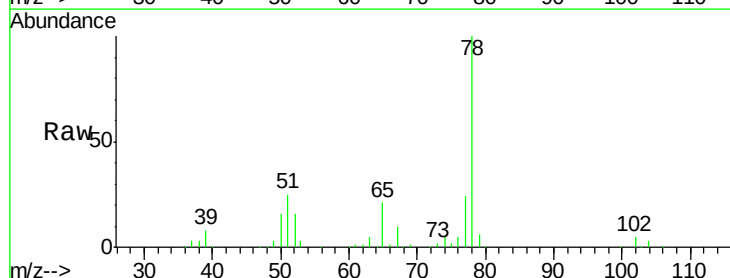
Acq: 12 Apr 2019 11:33

Tgt Ion: 78 Resp: 1210453

Ion Ratio Lower Upper

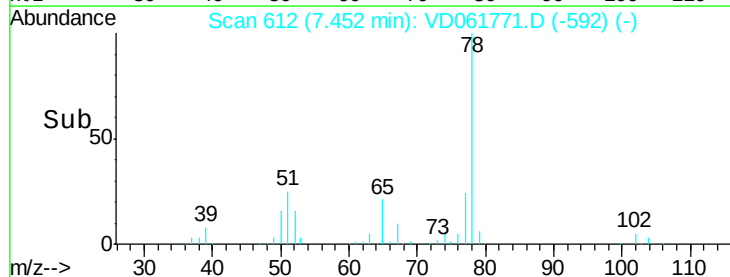
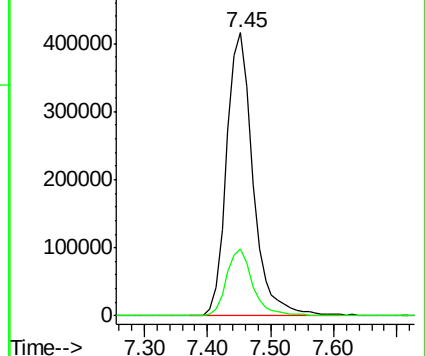
78 100

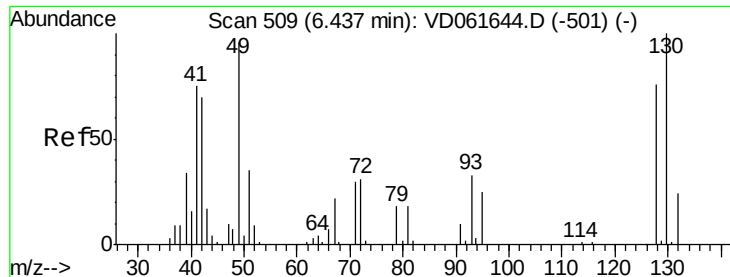
77 23.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

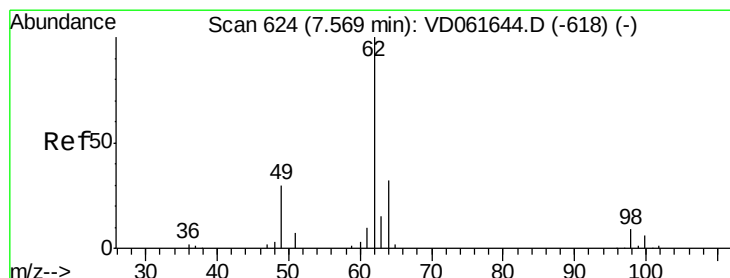
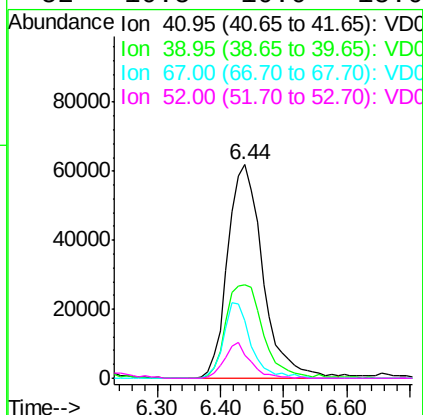
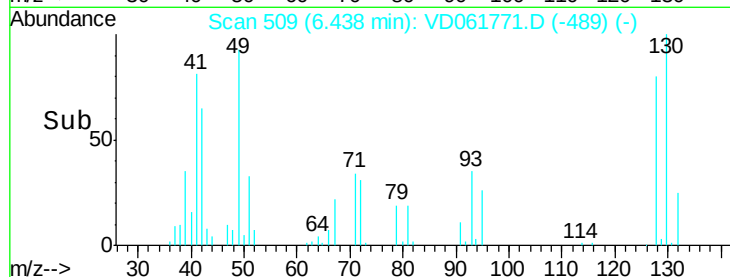
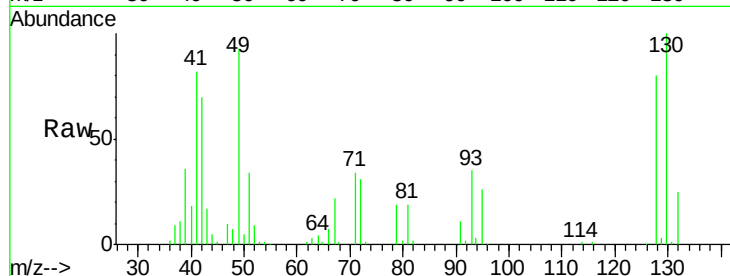




#41
Methacrylonitrile
Concen: 56.554 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

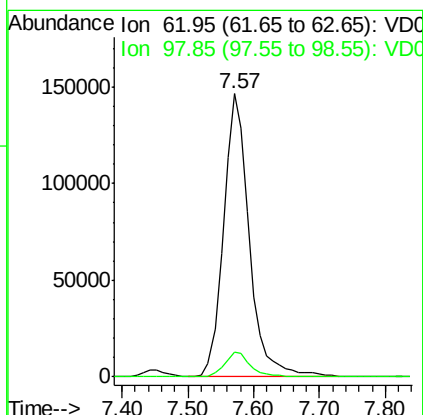
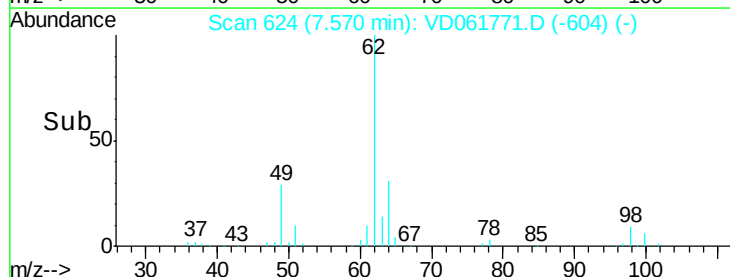
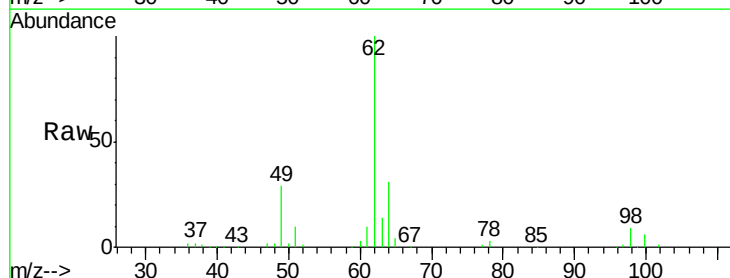
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

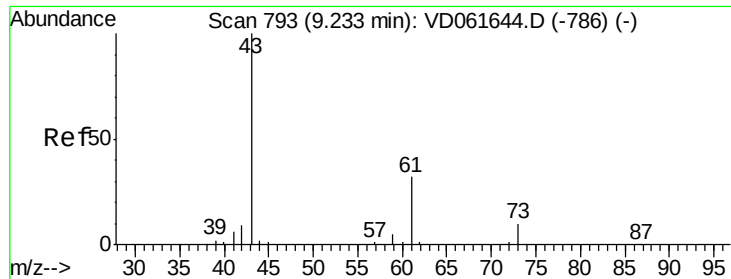
Tot Ion: 41 Resp: 239094
Ion Ratio Lower Upper
41 100
39 44.0 36.2 54.2
67 27.1 23.2 34.8
52 10.5 10.0 15.0



#42
1,2-Dichloroethane
Concen: 59.273 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 62 Resp: 399848
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.762 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

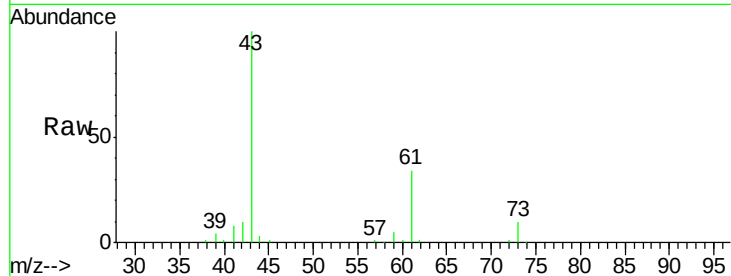
Tot Ion: 43 Resp: 277318

Ion Ratio Lower Upper

43 100

61 33.9 25.9 38.9

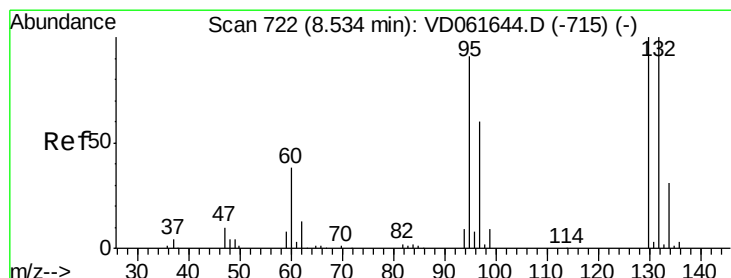
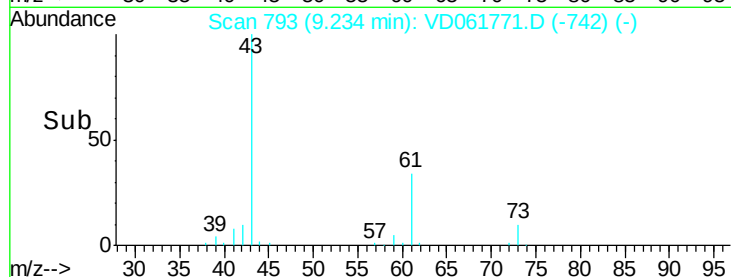
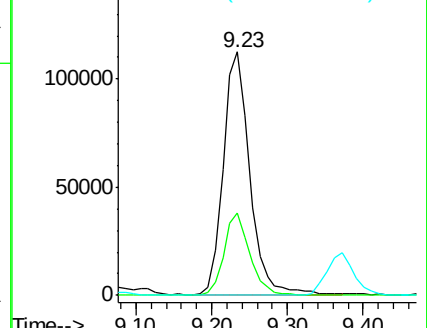
87 0.0 0.2 0.4#



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: 56.771 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD061771.D

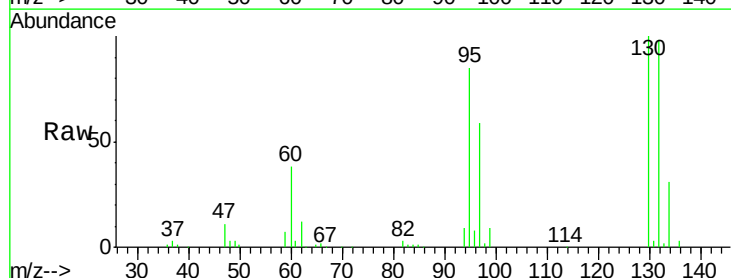
Acq: 12 Apr 2019 11:33

Tgt Ion:130 Resp: 466851

Ion Ratio Lower Upper

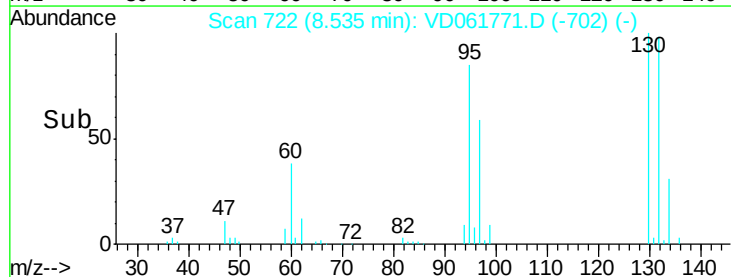
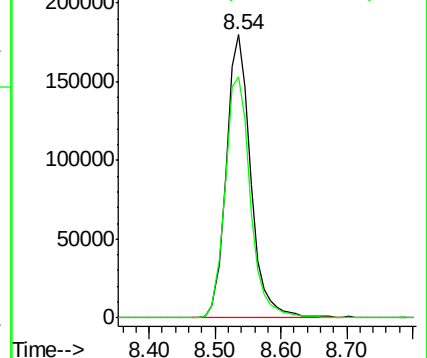
130 100

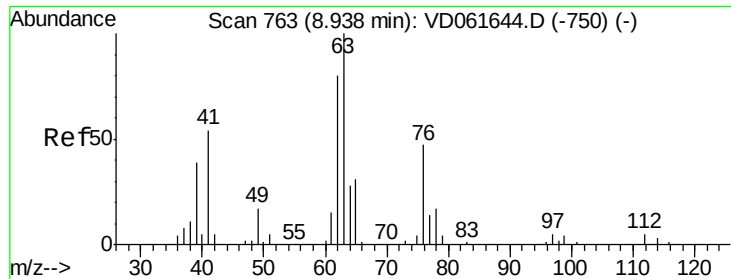
95 85.1 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

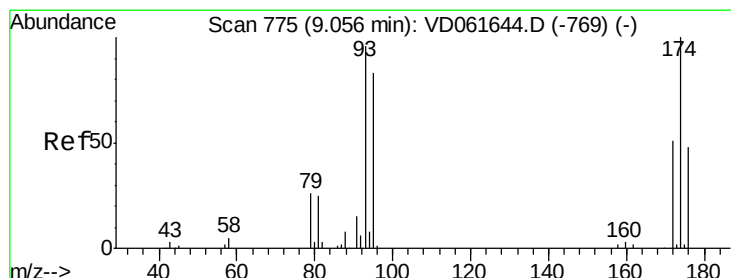
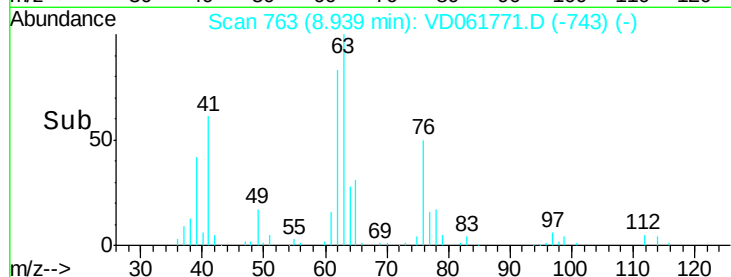
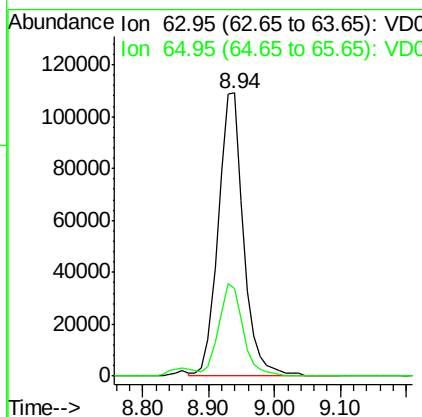
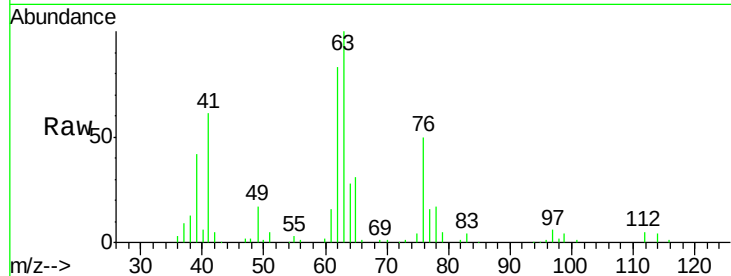




#45
 1,2-Dichloropropane
 Concen: 55.001 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

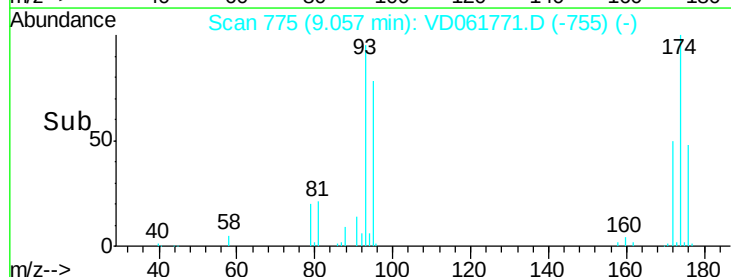
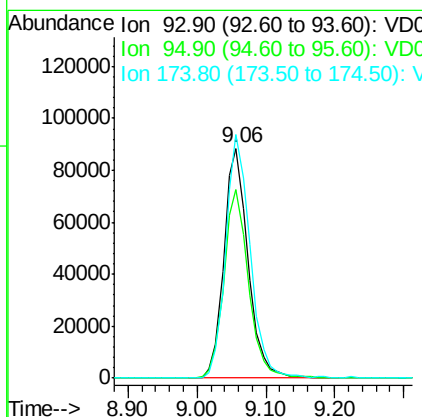
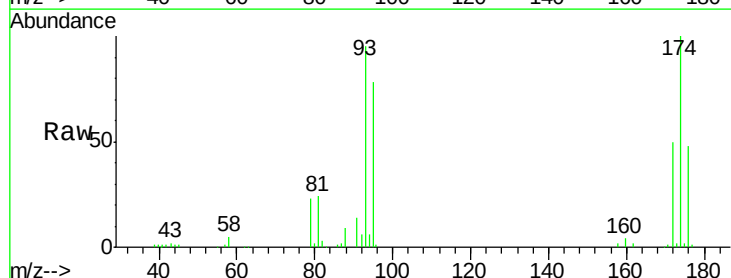
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

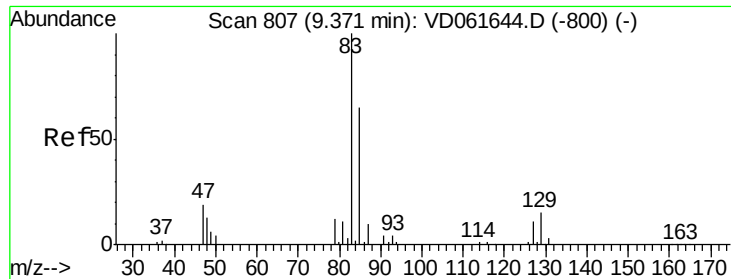
Tot Ion: 63 Resp: 292581
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.5 36.7



#46
 Dibromomethane
 Concen: 56.529 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 93 Resp: 214917
 Ion Ratio Lower Upper
 93 100
 95 82.1 68.6 103.0
 174 105.8 83.0 124.4





#47

Bromodichloromethane

Concen: 56.400 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

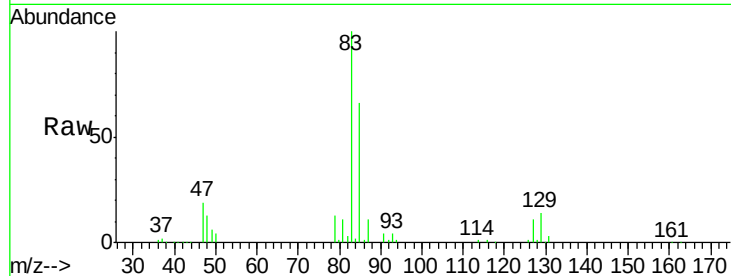
Tot Ion: 83 Resp: 470936

Ion Ratio Lower Upper

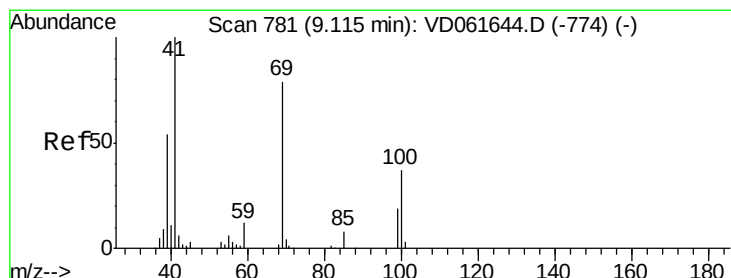
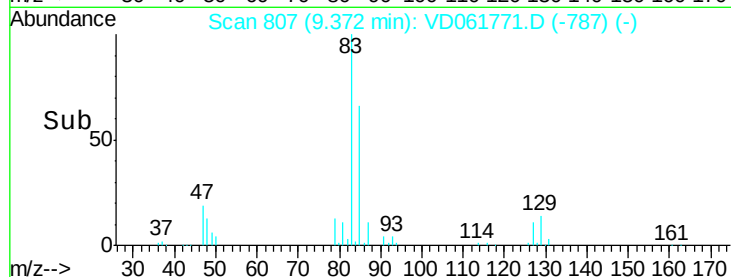
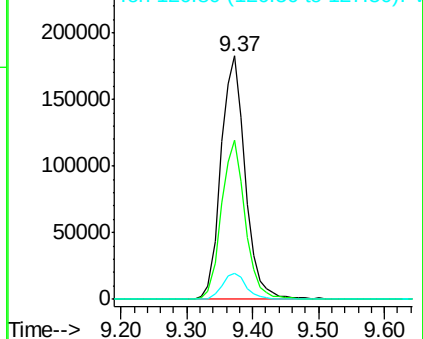
83 100

85 65.5 51.8 77.6

127 10.8 9.0 13.6



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): V



#48

Methyl methacrylate

Concen: 54.411 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

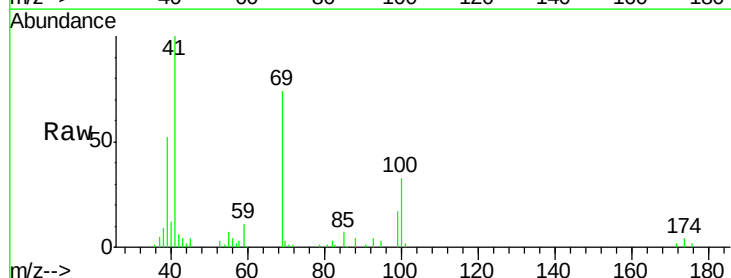
Tgt Ion: 41 Resp: 164851

Ion Ratio Lower Upper

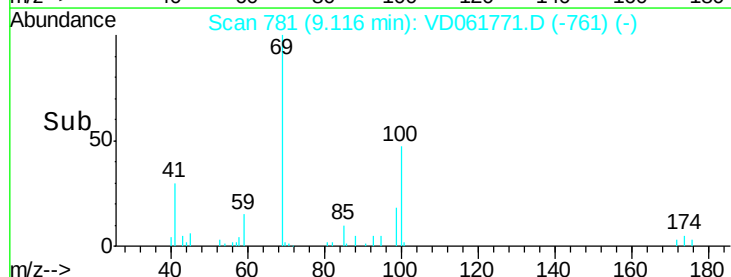
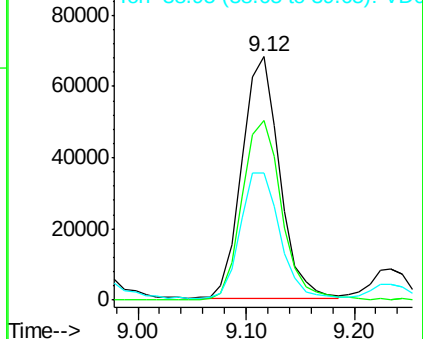
41 100

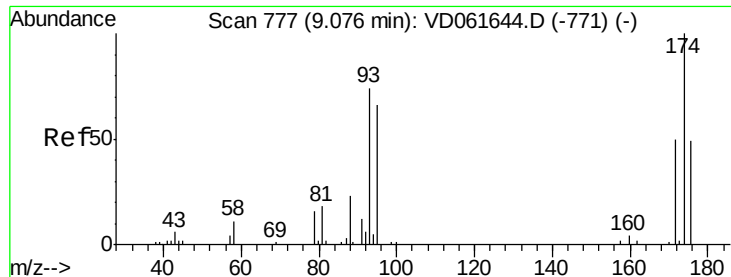
69 73.7 63.1 94.7

39 52.1 43.8 65.8



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

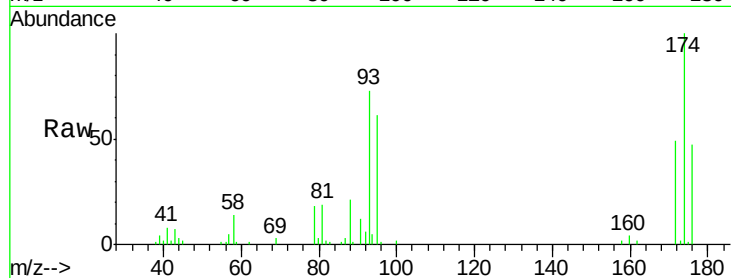




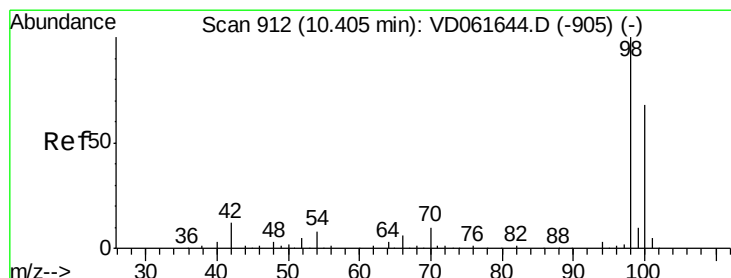
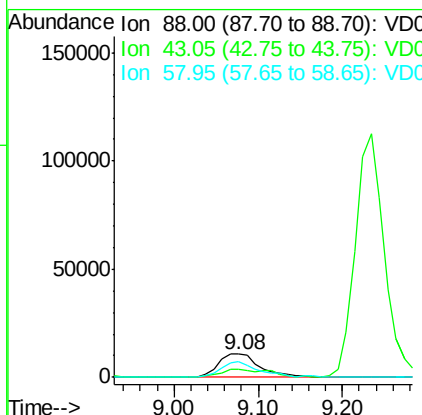
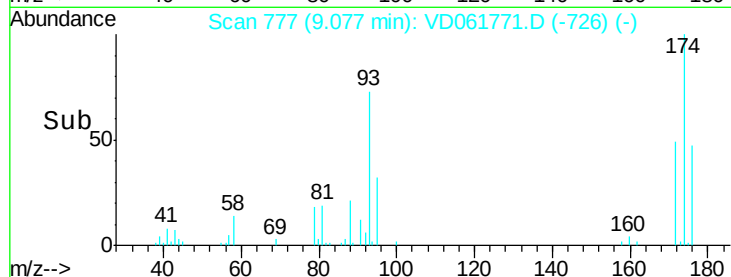
#49
 1,4-Dioxane
 Concen: 1109.182 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	37093
Ion	Ratio	Lower	Upper
88	100		
43	32.9	21.8	32.8#
58	66.1	40.2	60.2#

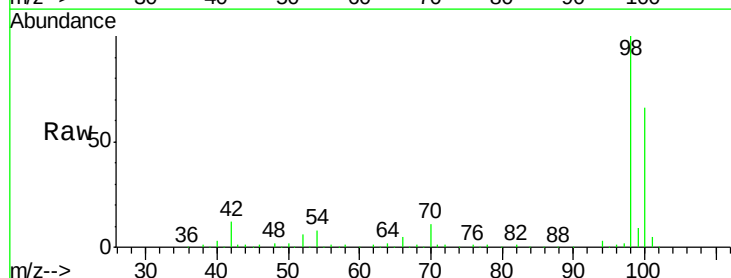


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

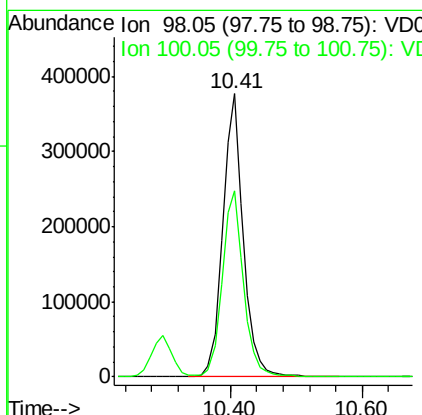
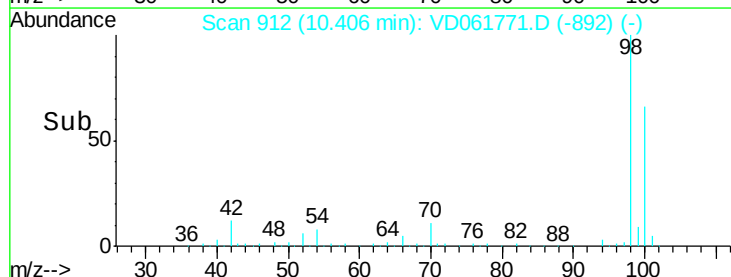


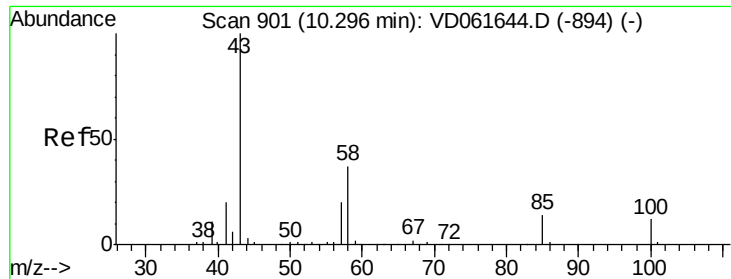
#50
 Toluene-d8
 Concen: 1109.182 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion	98	Resp	816658
Ion	Ratio	Lower	Upper
98	100		
100	65.7	55.4	83.0



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





#51

4-Methyl-2-Pentanone

Concen: 304.222 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

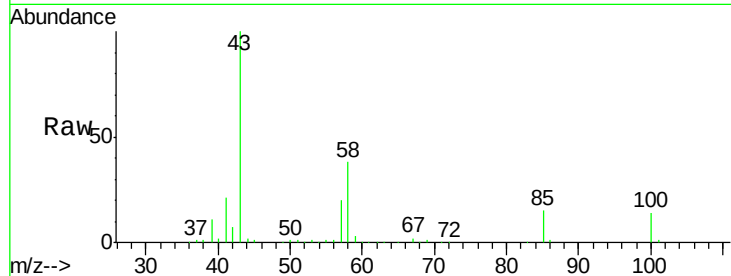
VSTDCCC050

Tot Ion: 43 Resp: 945628

Ion Ratio Lower Upper

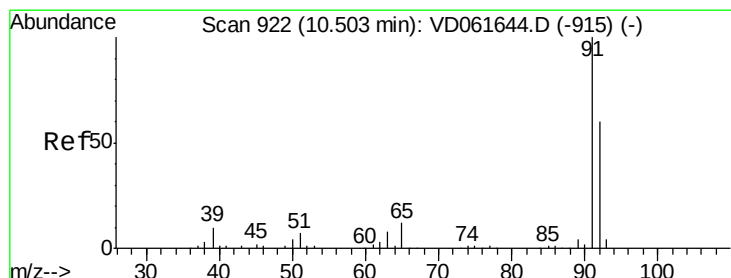
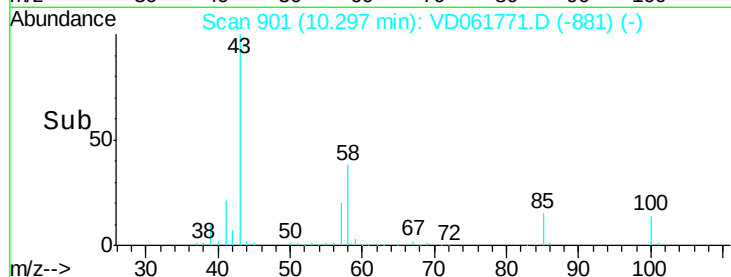
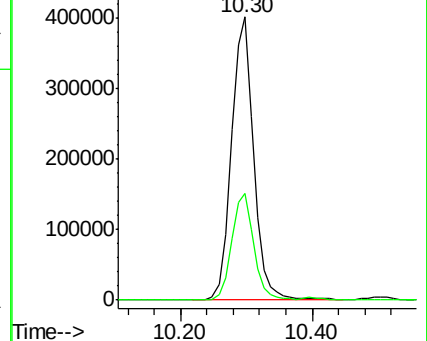
43 100

58 37.7 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.730 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061771.D

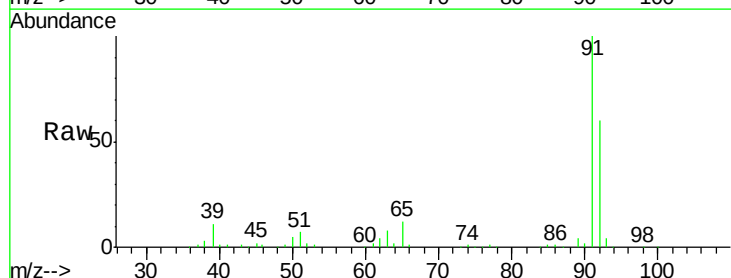
Acq: 12 Apr 2019 11:33

Tgt Ion: 92 Resp: 746473

Ion Ratio Lower Upper

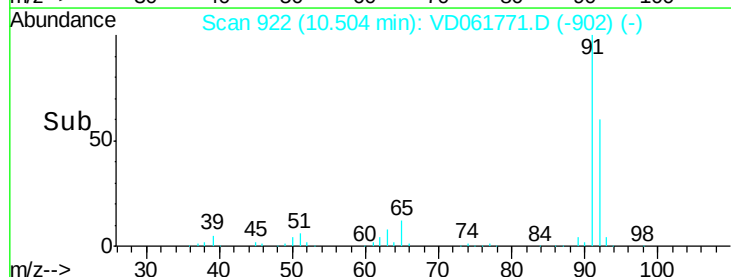
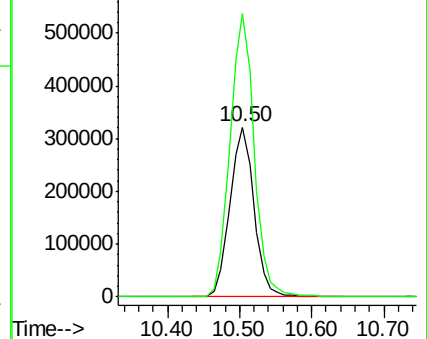
92 100

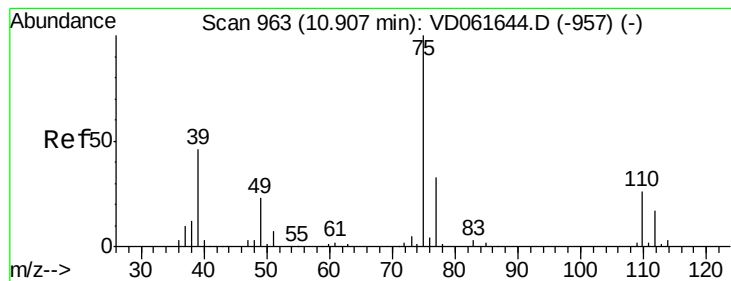
91 166.7 133.0 199.4



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: 59.454 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

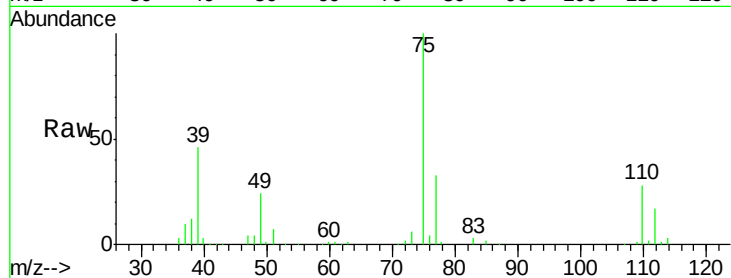
VSTDCCC050

Tot Ion: 75 Resp: 435167

Ion Ratio Lower Upper

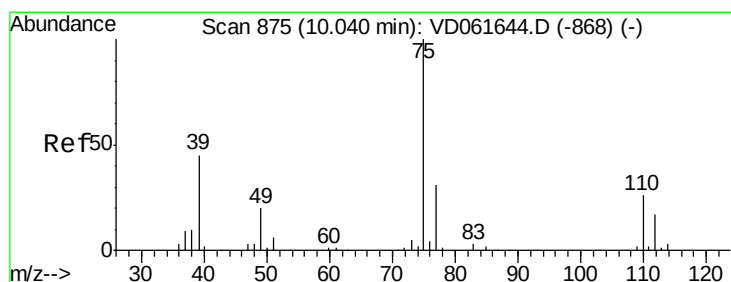
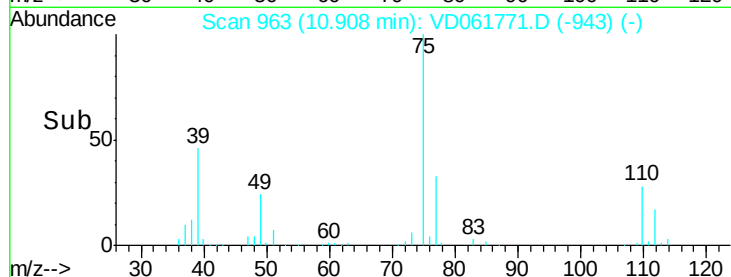
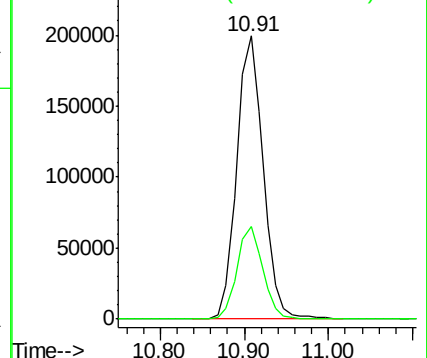
75 100

77 32.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 56.973 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

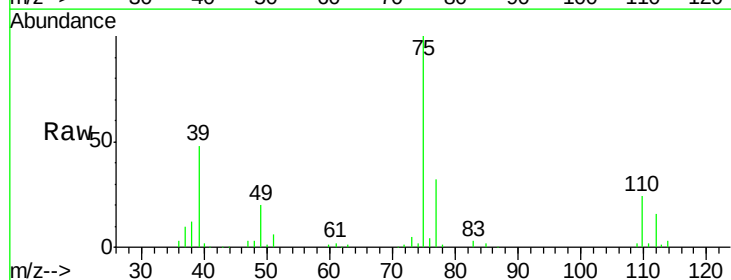
Tgt Ion: 75 Resp: 514057

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

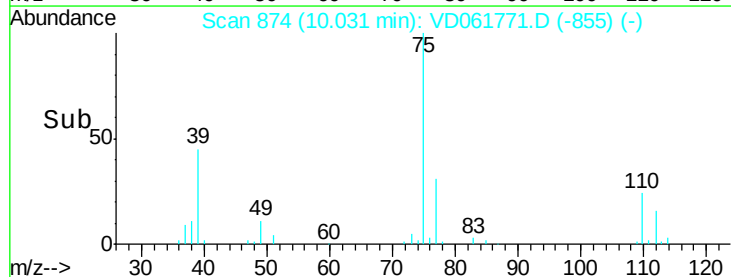
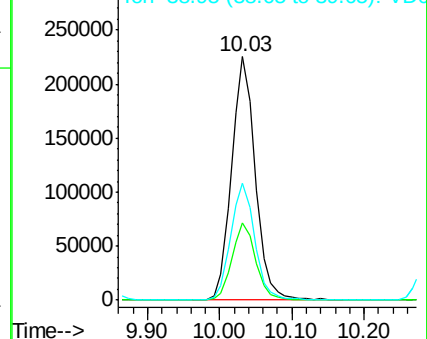
39 48.2 36.2 54.2

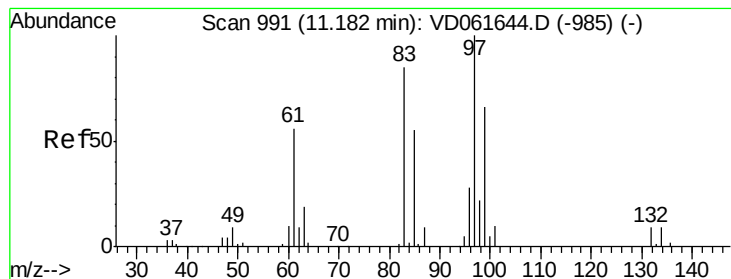


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 55.347 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 250034

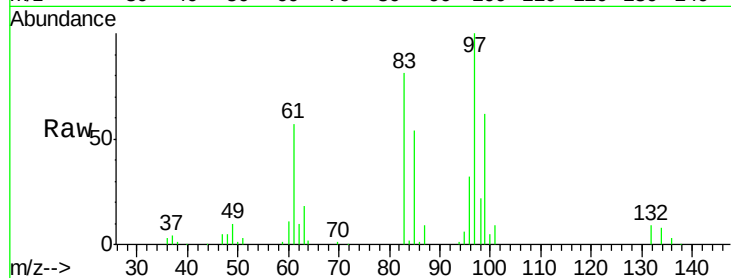
Ion Ratio Lower Upper

97 100

83 81.4 67.8 101.6

85 53.7 43.8 65.8

99 62.0 52.8 79.2

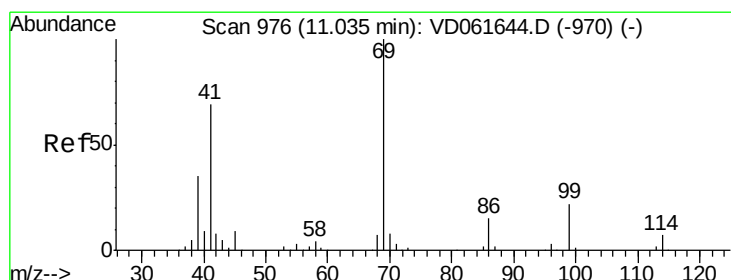
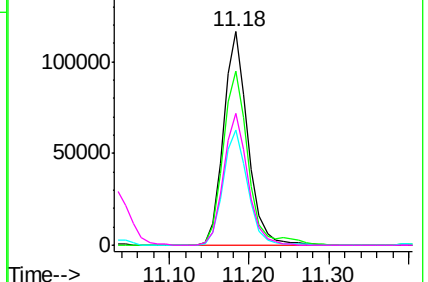
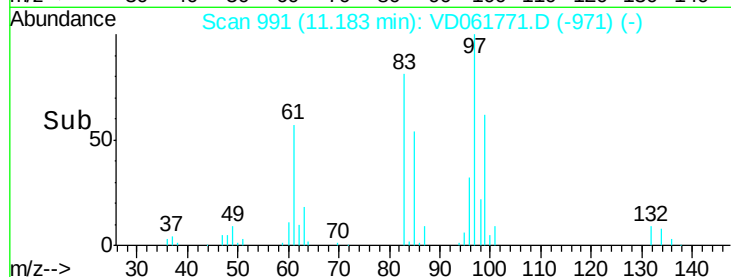


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 59.455 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

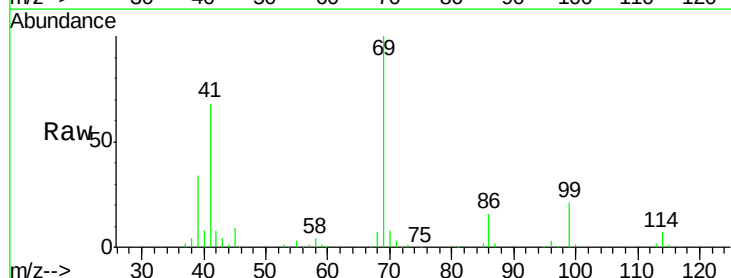
Tgt Ion: 69 Resp: 283344

Ion Ratio Lower Upper

69 100

41 67.5 55.2 82.8

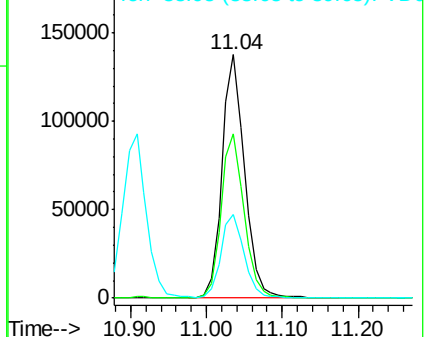
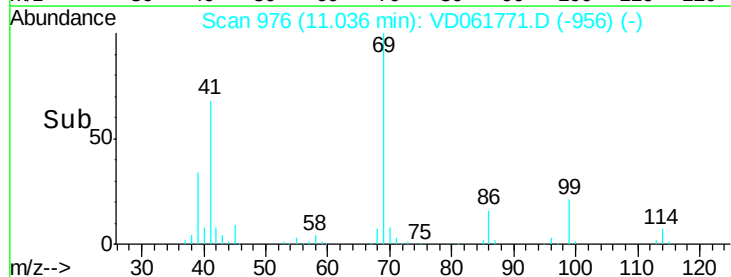
39 34.5 28.6 43.0

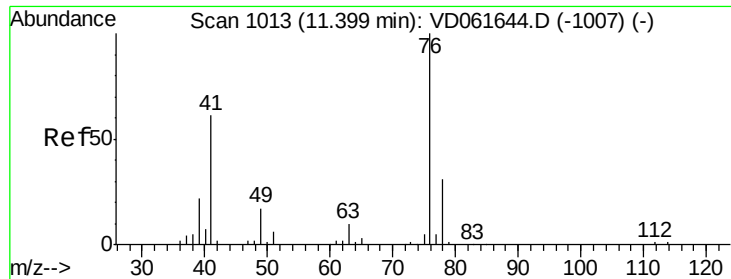


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

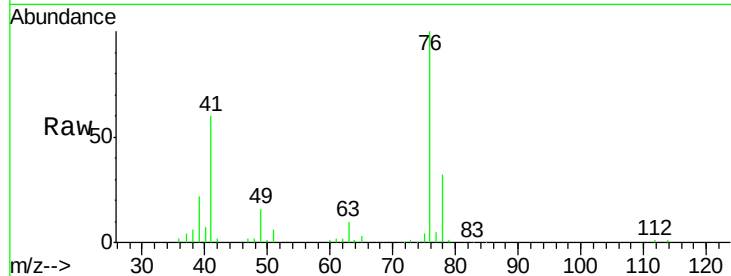




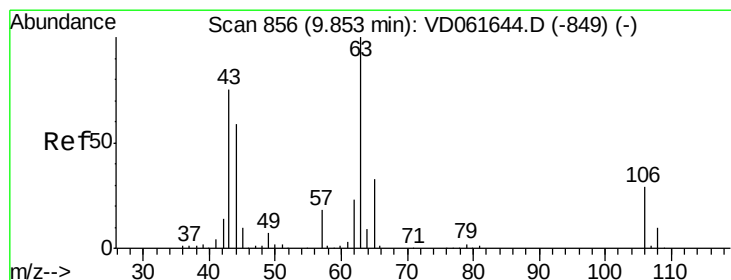
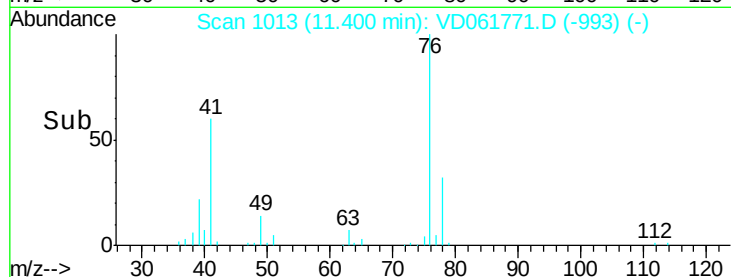
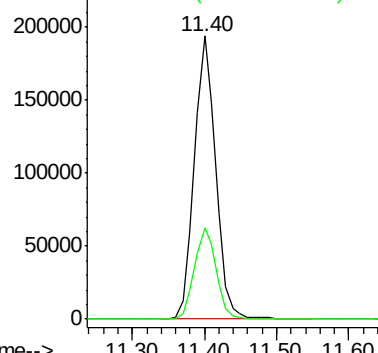
#57
 1,3-Dichloropropane
 Concen: 59.772 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 395440
 Ion Ratio Lower Upper
 76 100
 78 32.4 24.5 36.7

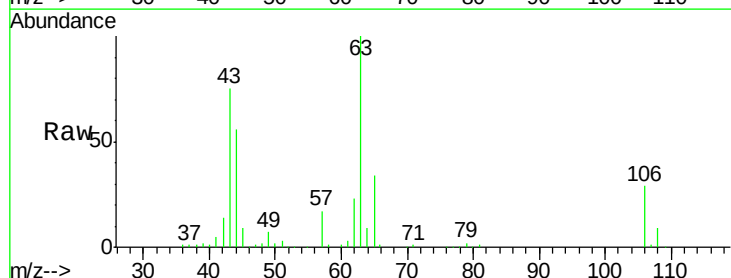


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

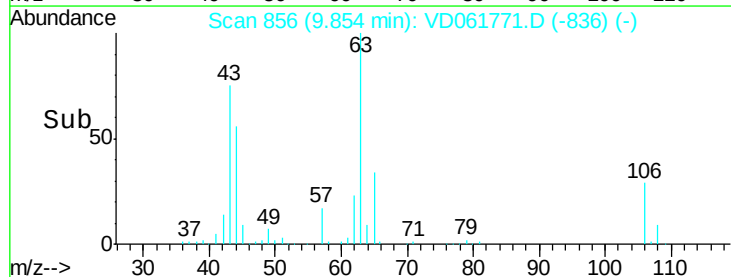
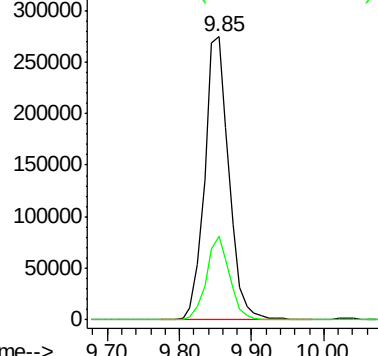


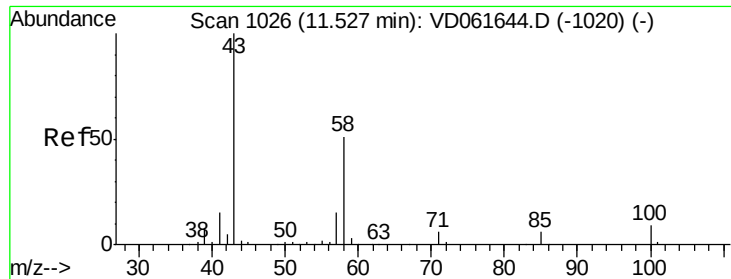
#58
 2-Chloroethyl Vinyl ether
 Concen: 286.136 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 63 Resp: 643427
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

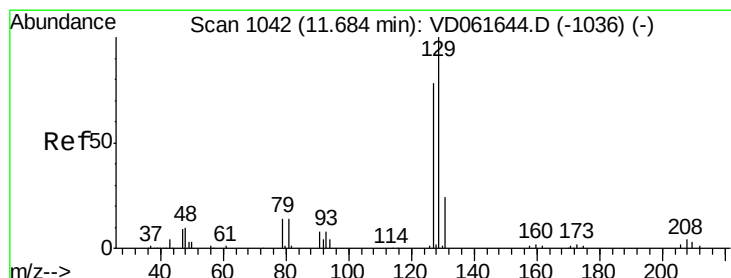
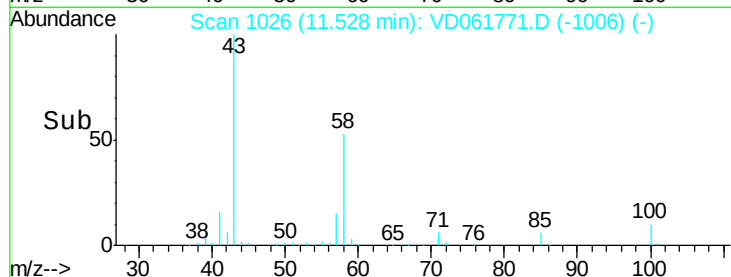
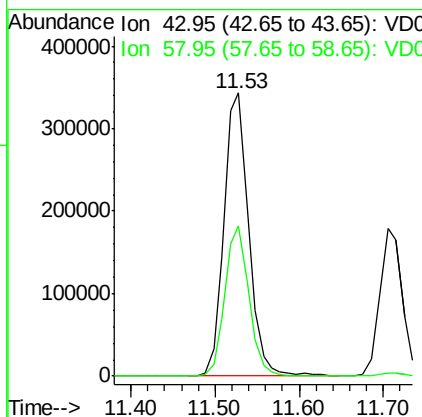
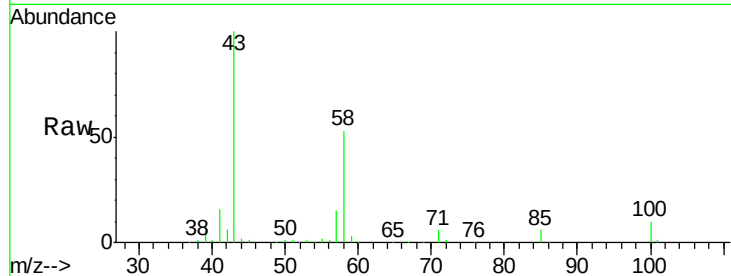




#59
2-Hexanone
Concen: 289.151 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

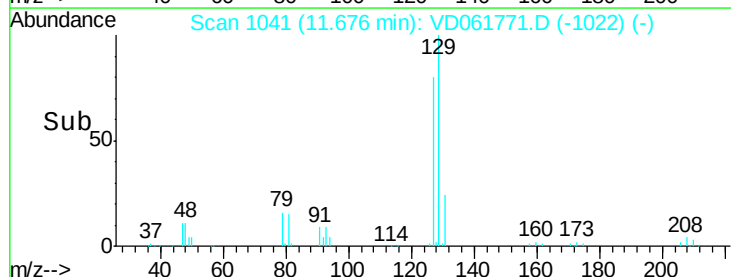
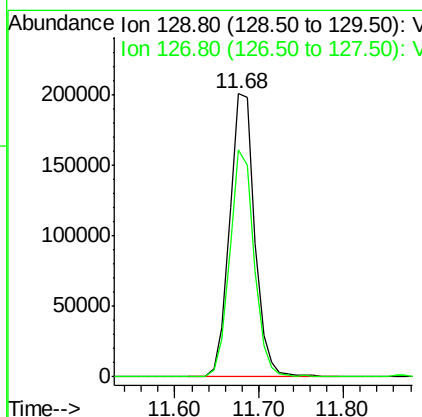
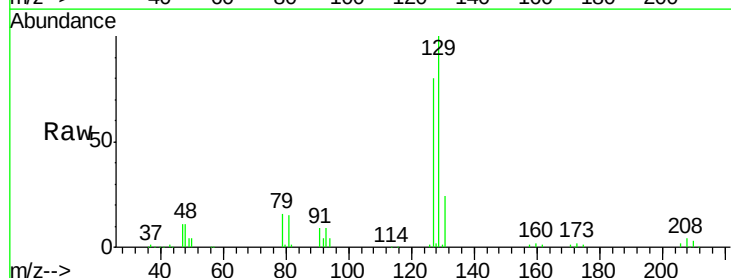
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

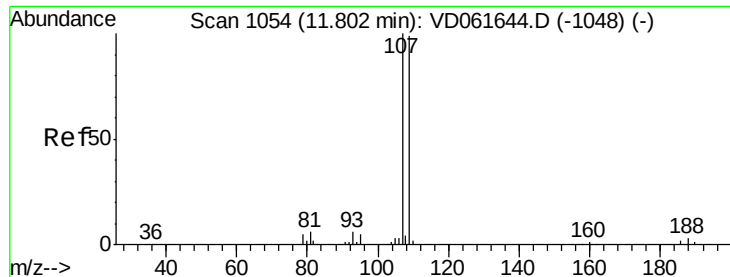
Tot Ion: 43 Resp: 697528
Ion Ratio Lower Upper
43 100
58 52.9 25.6 76.8



#60
Dibromochloromethane
Concen: 58.317 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 129 Resp: 416225
Ion Ratio Lower Upper
129 100
127 80.3 38.8 116.4

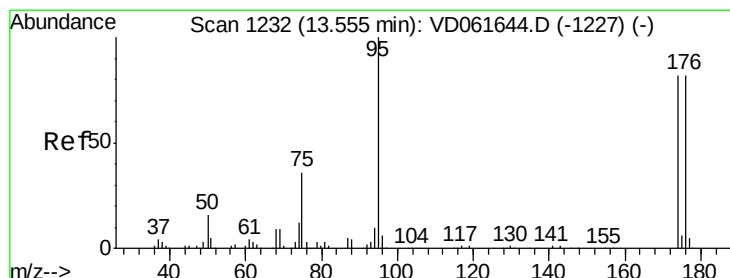
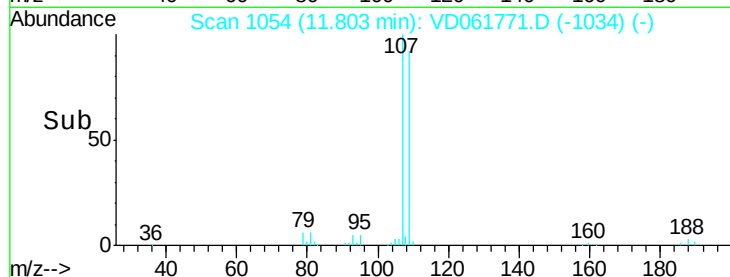
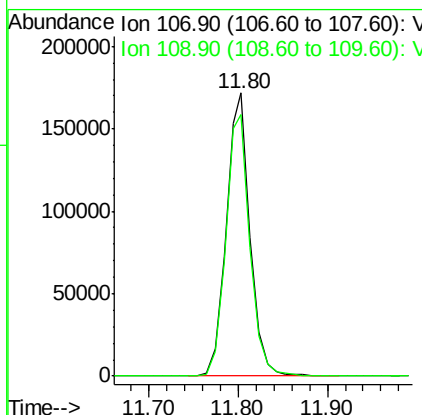
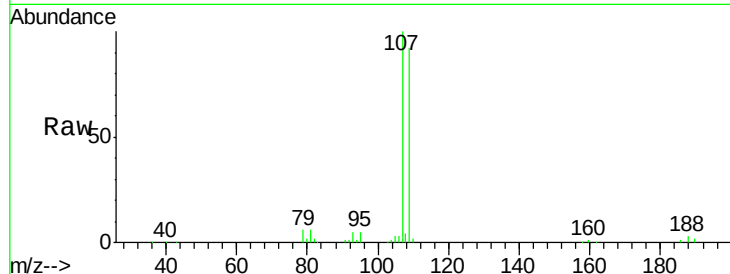




#61
1,2-Dibromoethane
Concen: 60.549 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

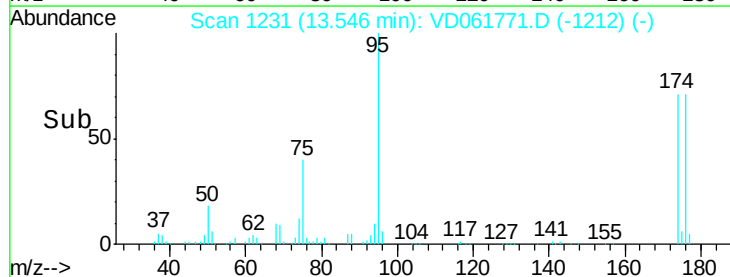
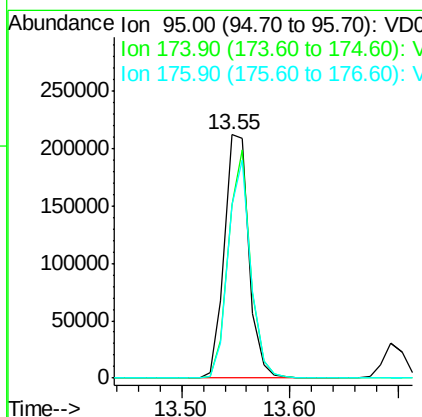
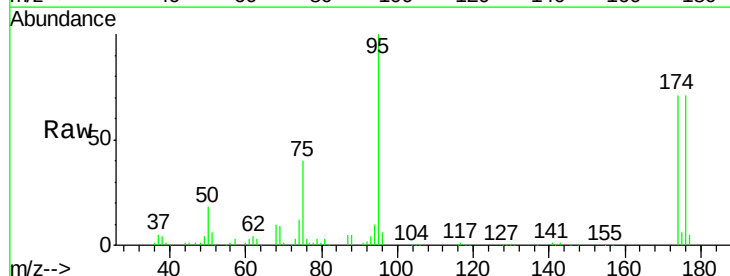
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

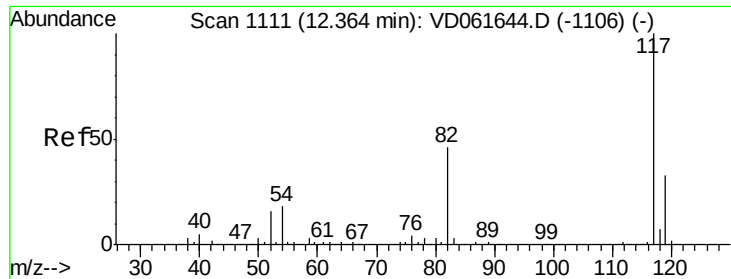
Tot Ion: 107 Resp: 319891
Ion Ratio Lower Upper
107 100
109 92.3 79.2 118.8



#62
4-Bromofluorobenzene
Concen: 60.549 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 95 Resp: 334537
Ion Ratio Lower Upper
95 100
174 71.0 0.0 164.6
176 70.9 0.0 165.0

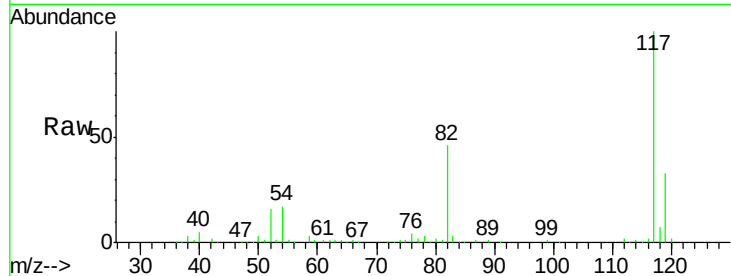




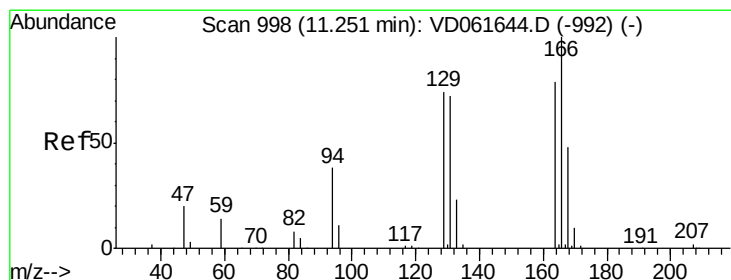
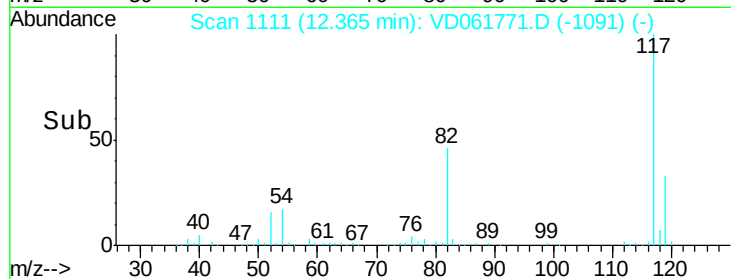
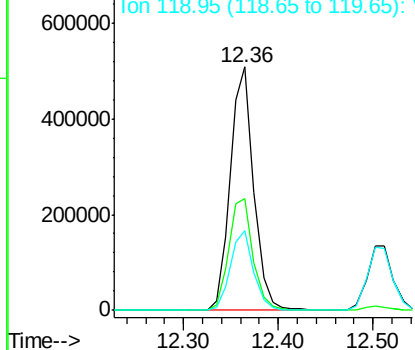
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 867796
Ion Ratio Lower Upper
117 100
82 45.8 36.8 55.2
119 32.8 26.1 39.1

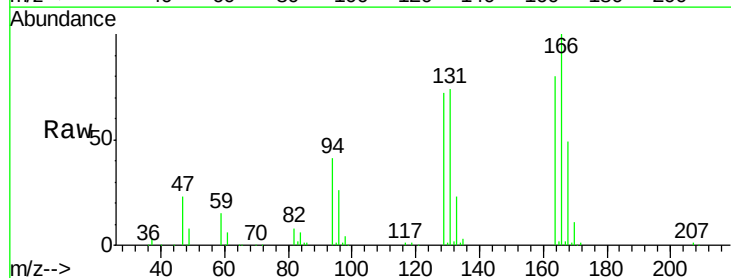


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

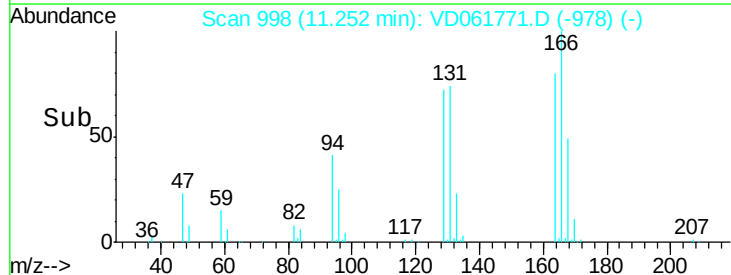
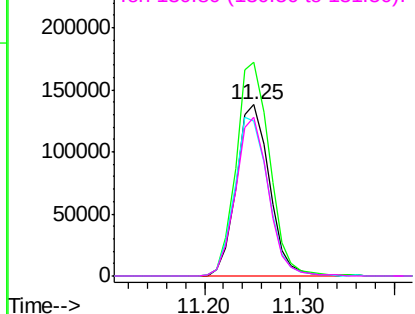


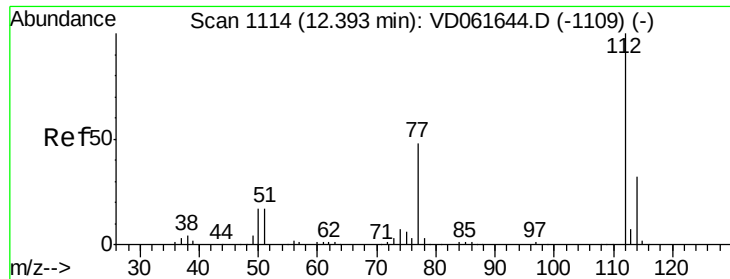
#64
Tetrachloroethene
Concen: 49.801 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion:164 Resp: 335464
Ion Ratio Lower Upper
164 100
166 124.7 101.8 152.8
129 90.3 75.4 113.0
131 92.4 73.6 110.4



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

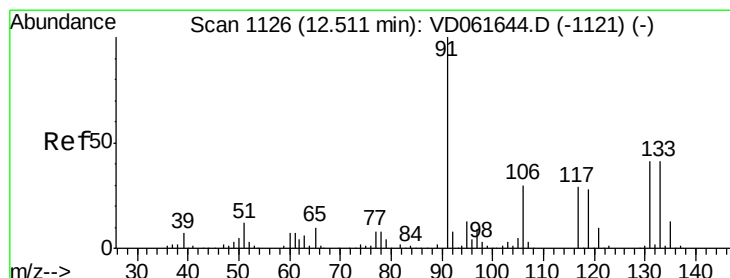
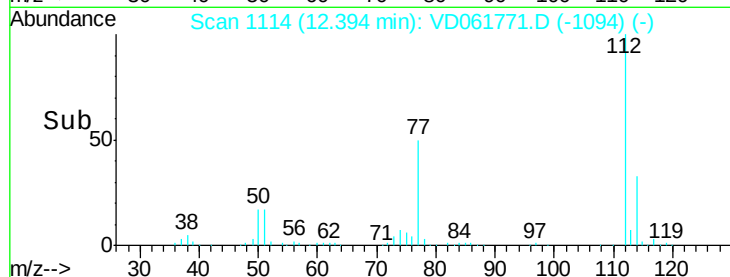
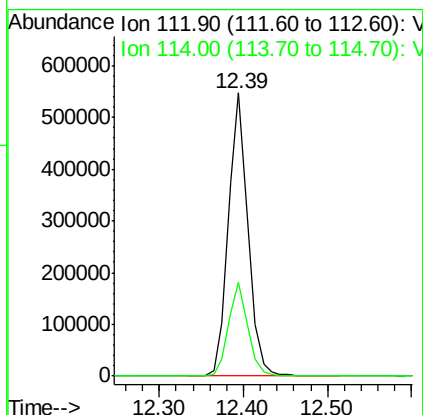
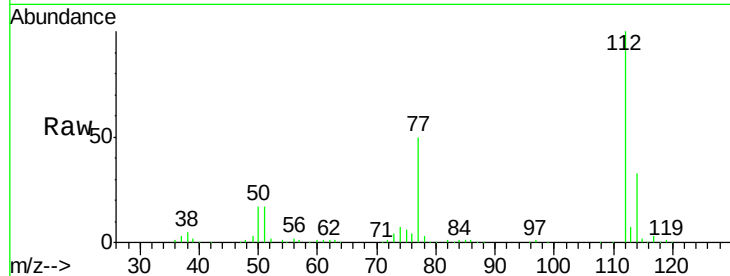




#65
Chlorobenzene
Concen: 51.019 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

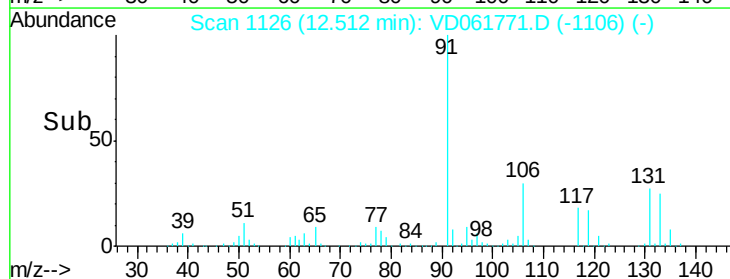
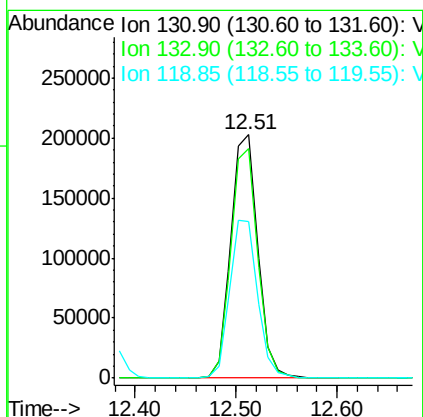
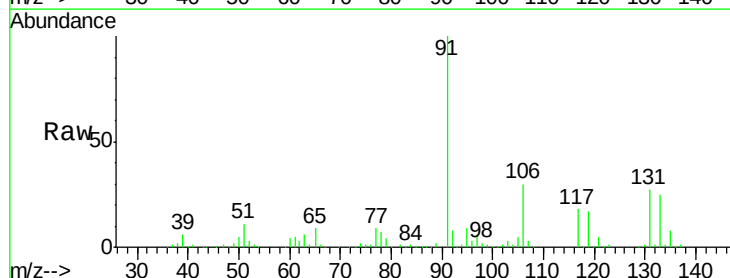
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

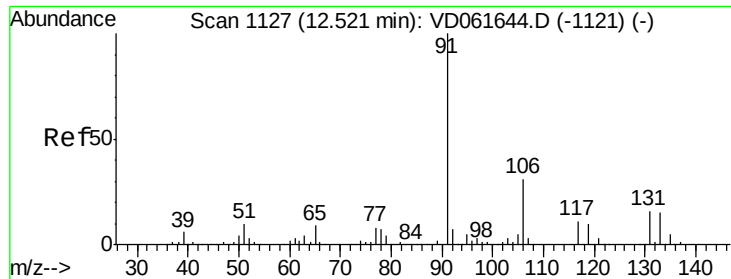
Tot Ion:112 Resp: 878008
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.766 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion:131 Resp: 375916
Ion Ratio Lower Upper
131 100
133 94.2 49.5 148.3
119 64.2 34.7 104.1

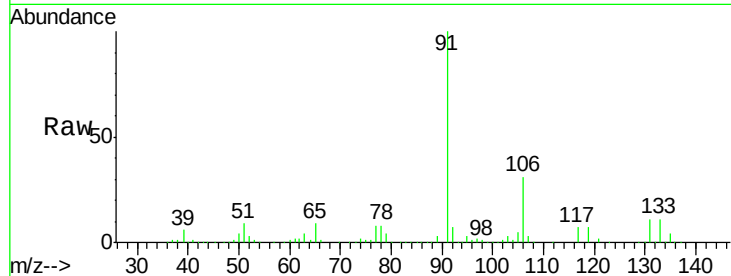




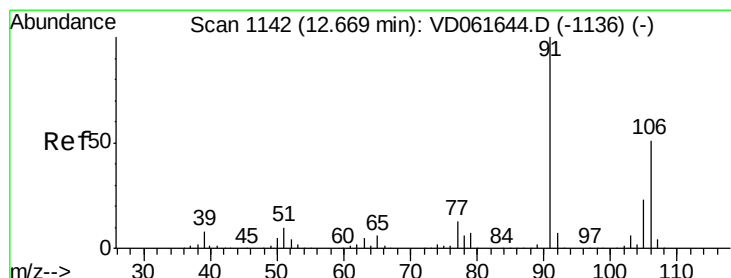
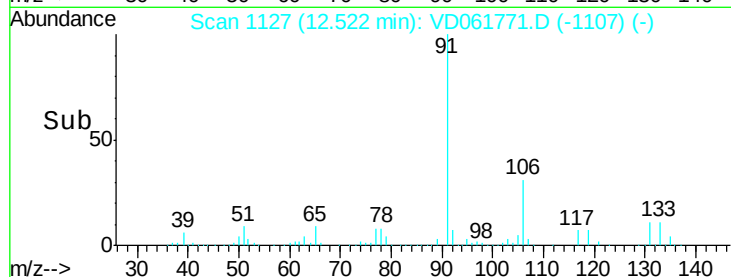
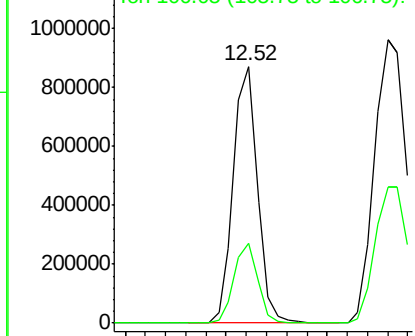
#67
Ethyl Benzene
Concen: 55.470 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1453674
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0

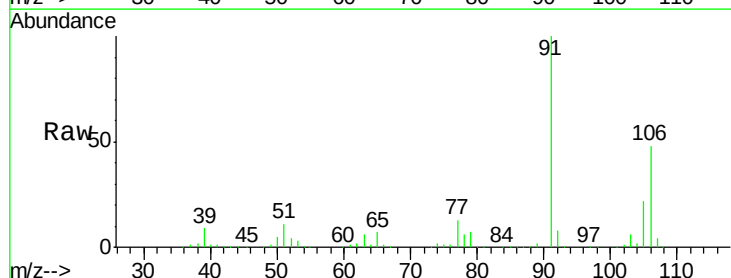


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

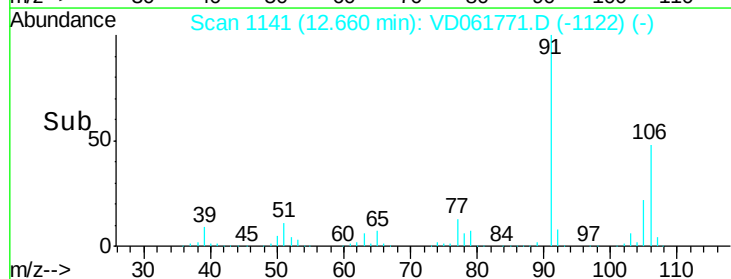
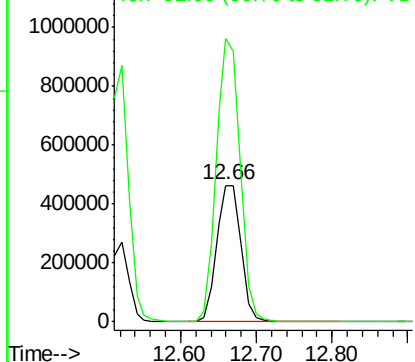


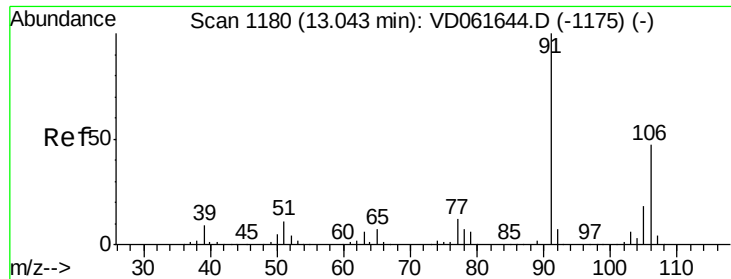
#68
m/p-Xylenes
Concen: 102.946 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion:106 Resp: 1040078
Ion Ratio Lower Upper
106 100
91 207.3 156.7 235.1



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

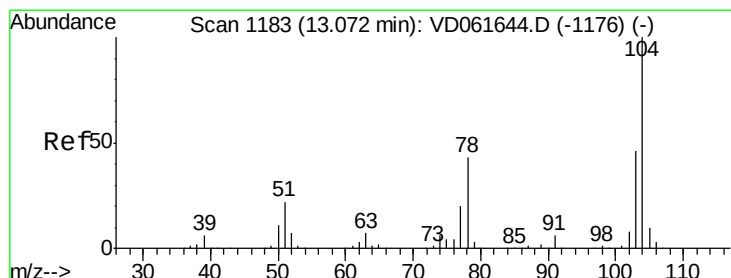
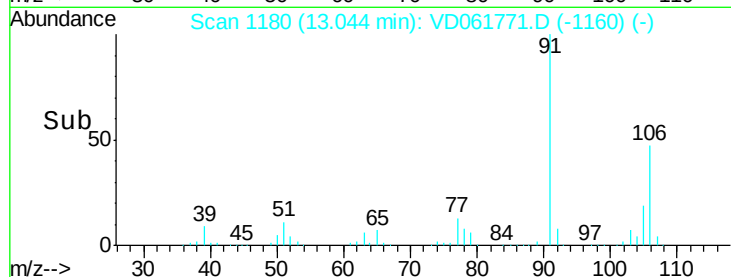
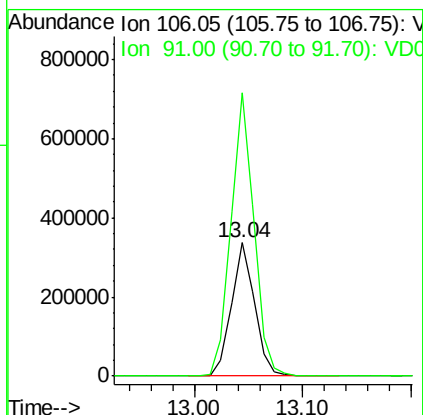
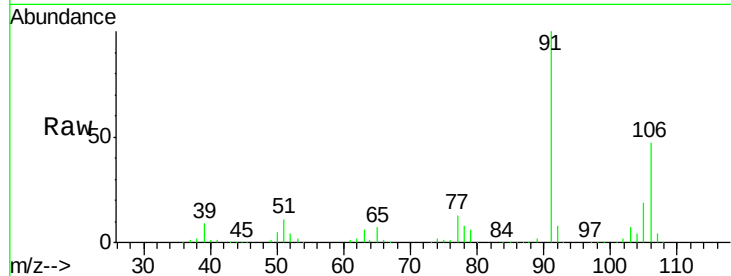




#69
o-Xylene
Concen: 51.554 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

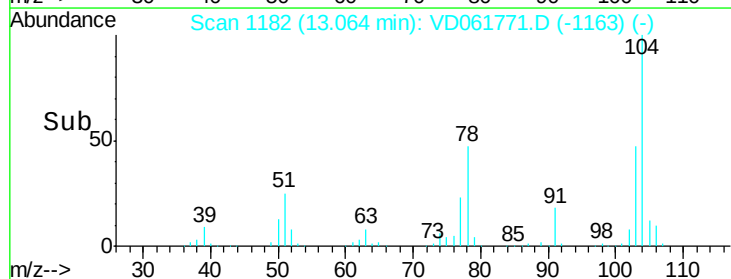
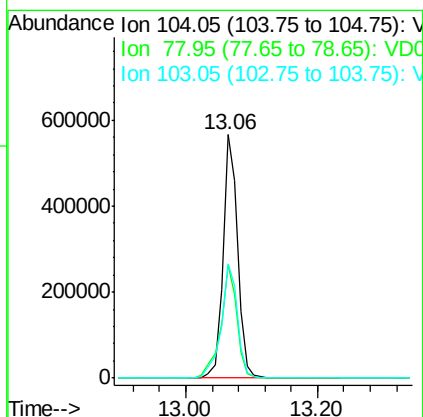
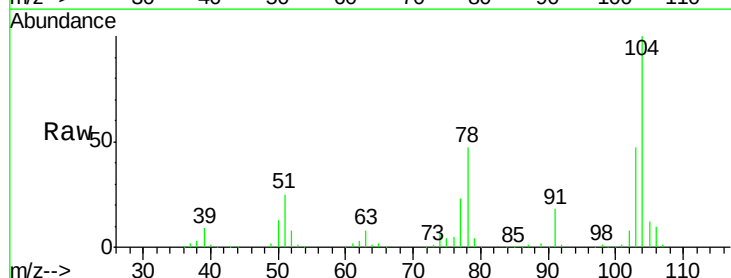
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

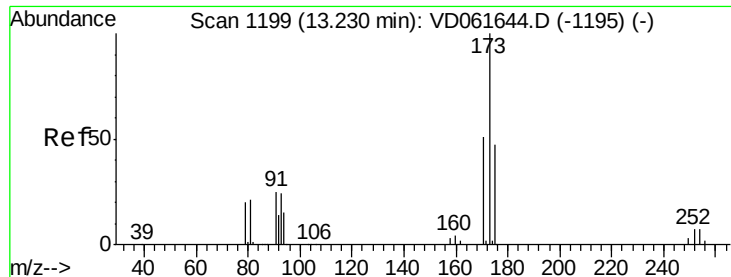
Tot Ion:106 Resp: 502787
Ion Ratio Lower Upper
106 100
91 212.7 107.3 321.9



#70
Styrene
Concen: 52.377 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion:104 Resp: 872353
Ion Ratio Lower Upper
104 100
78 46.5 34.2 51.4
103 47.1 37.2 55.8





#71

Bromoform

Concen: 54.771 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

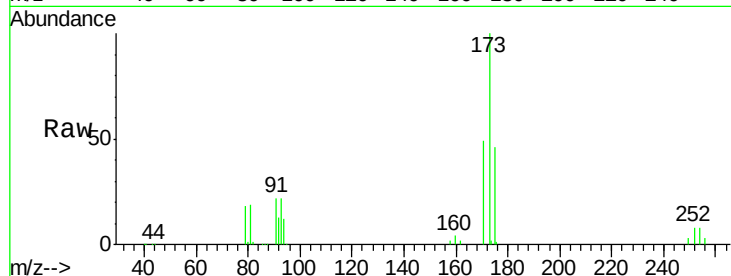
Tot Ion:173 Resp: 225046

Ion Ratio Lower Upper

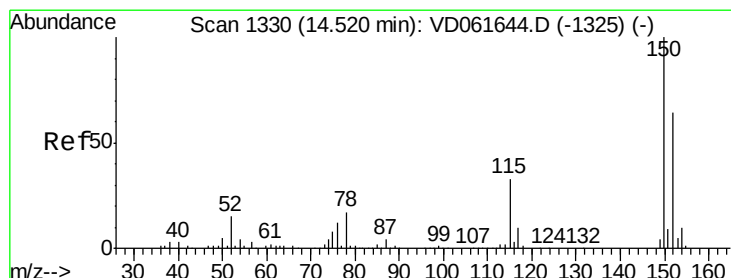
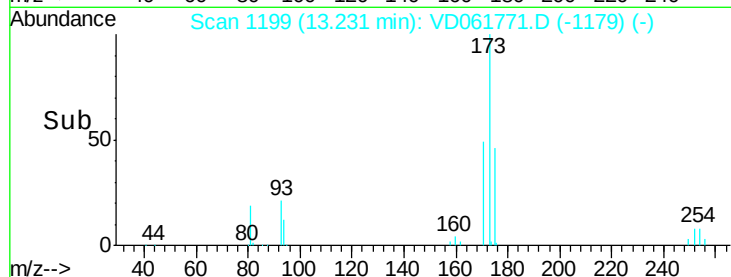
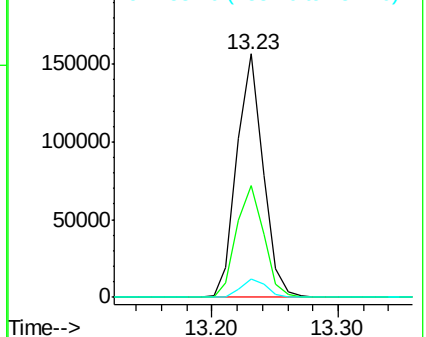
173 100

175 45.8 23.7 71.1

254 7.5 5.8 8.6



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

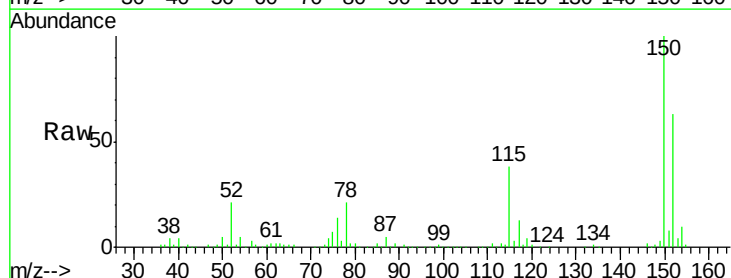
Tgt Ion:152 Resp: 403692

Ion Ratio Lower Upper

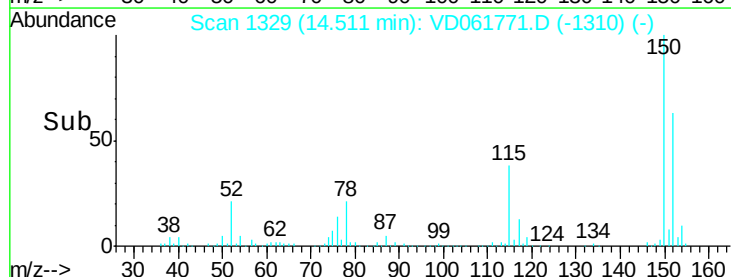
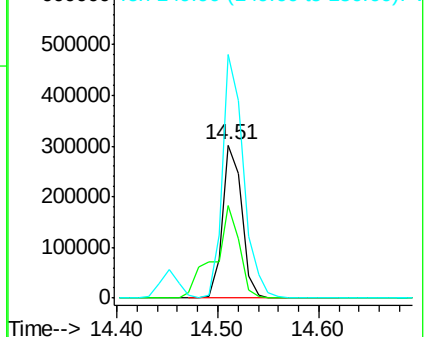
152 100

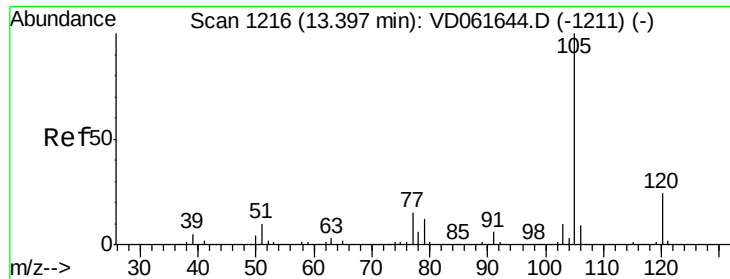
115 60.3 26.4 79.2

150 159.3 0.0 320.6



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: 52.207 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

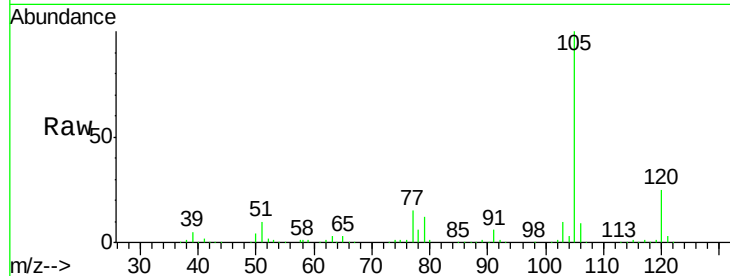
VSTDCCC050

Tot Ion:105 Resp: 1404283

Ion Ratio Lower Upper

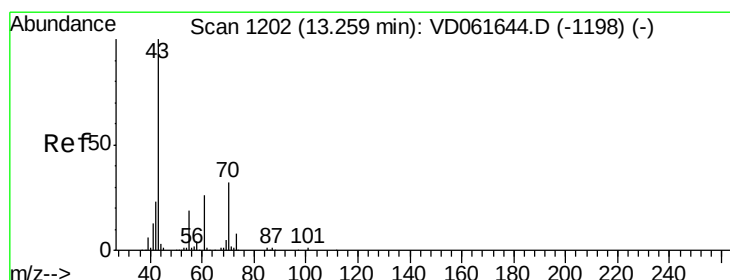
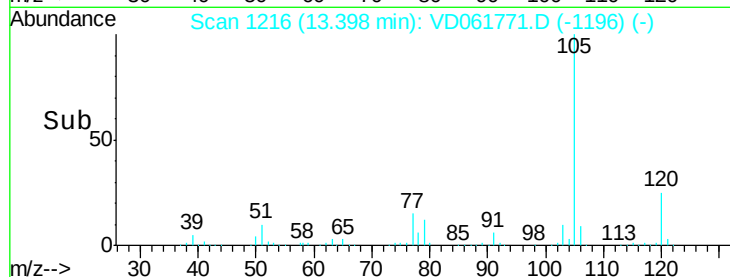
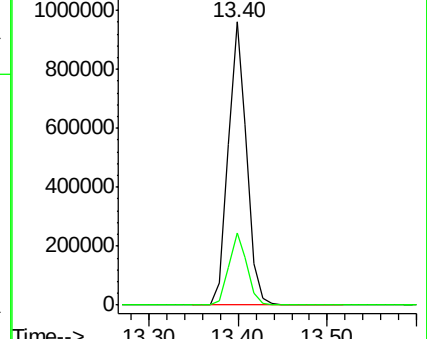
105 100

120 25.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.244 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Tgt Ion: 43 Resp: 389128

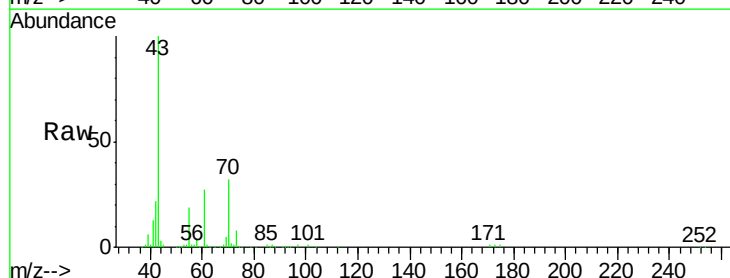
Ion Ratio Lower Upper

43 100

70 32.1 25.4 38.2

55 19.2 15.0 22.4

61 27.0 20.9 31.3

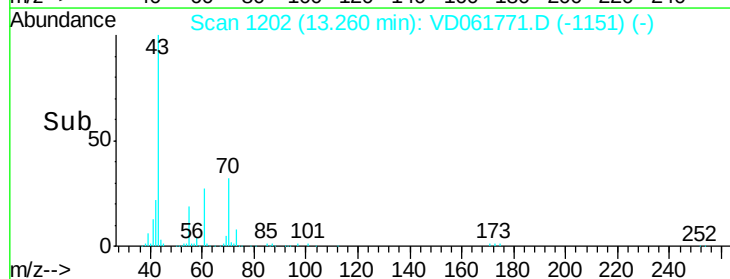
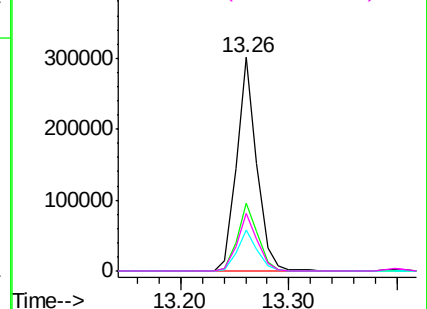


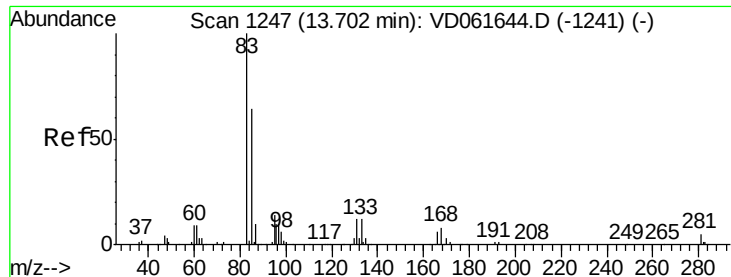
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.231 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

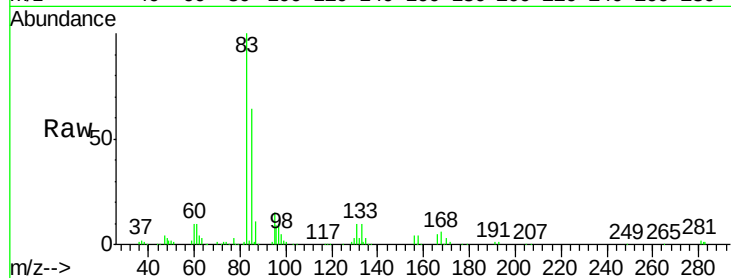
Tot Ion: 83 Resp: 284931

Ion Ratio Lower Upper

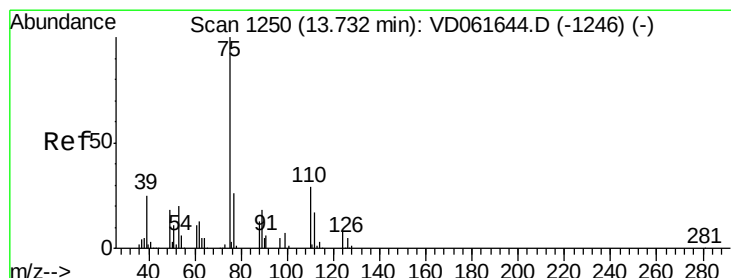
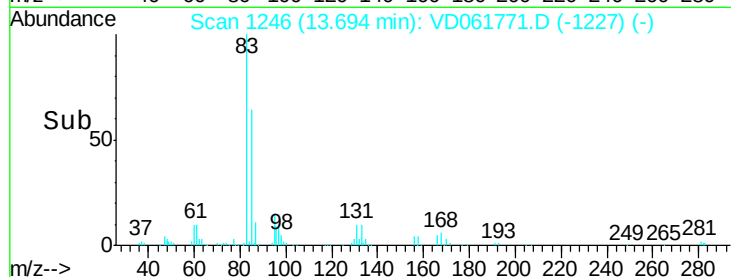
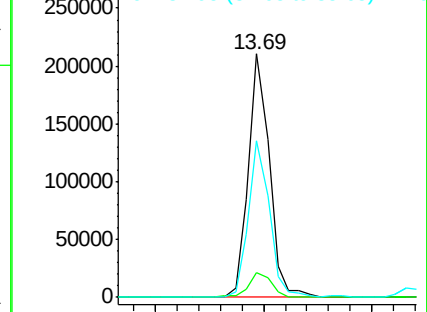
83 100

131 10.1 5.9 17.6

85 64.1 32.0 96.2



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: 49.361 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061771.D

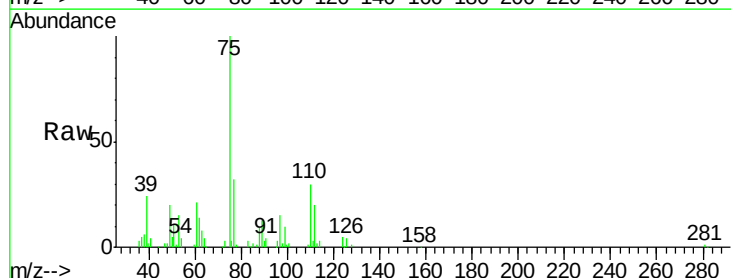
Acq: 12 Apr 2019 11:33

Tgt Ion: 75 Resp: 271103

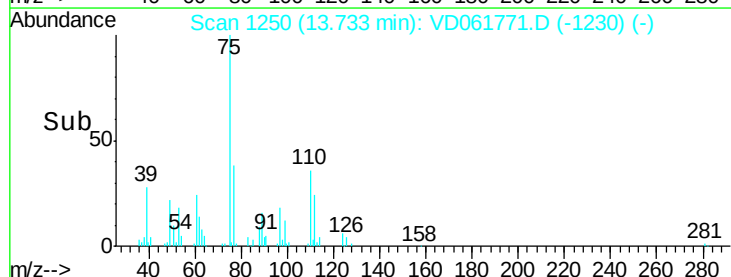
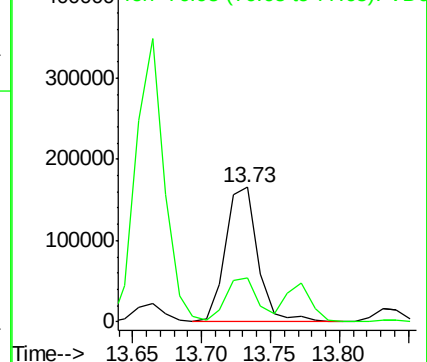
Ion Ratio Lower Upper

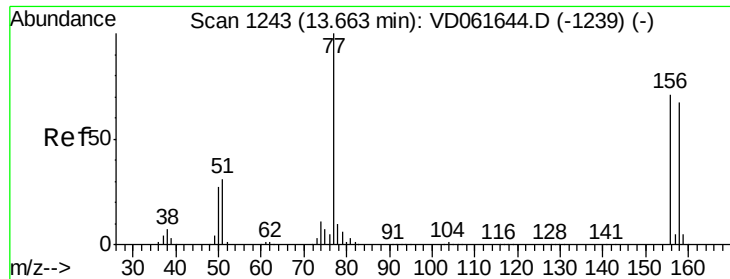
75 100

77 32.5 15.7 47.1



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





#77

Bromobenzene

Concen: 50.498 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

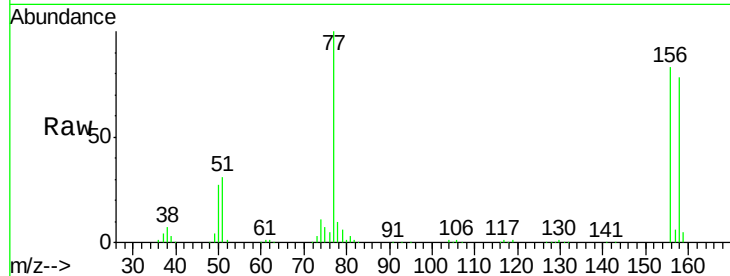
Tot Ion:156 Resp: 394271

Ion Ratio Lower Upper

156 100

77 120.8 70.3 210.8

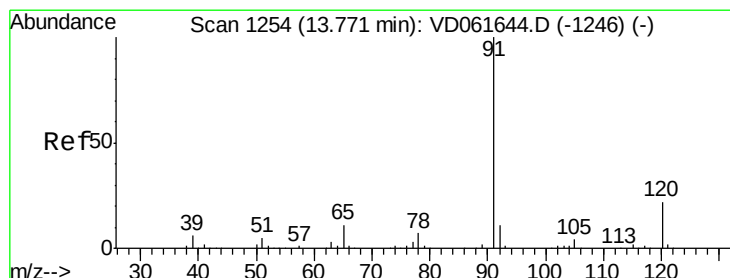
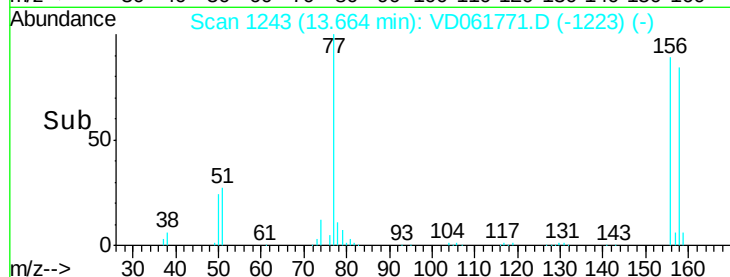
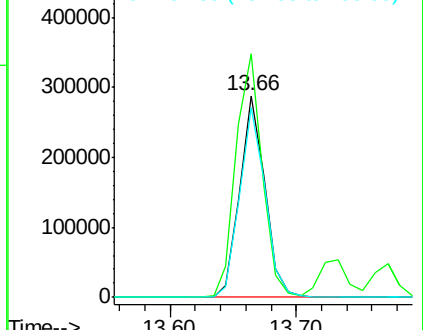
158 94.5 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.356 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061771.D

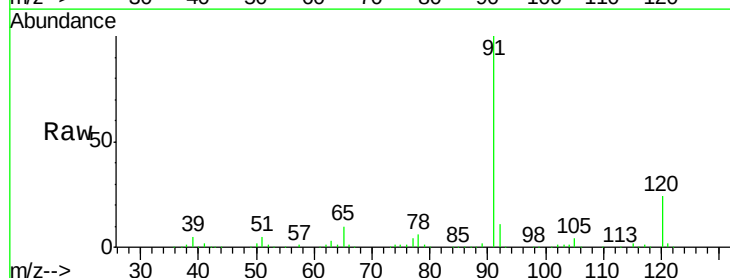
Acq: 12 Apr 2019 11:33

Tgt Ion: 91 Resp: 1684592

Ion Ratio Lower Upper

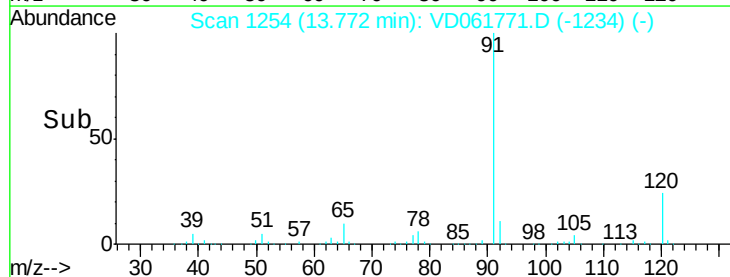
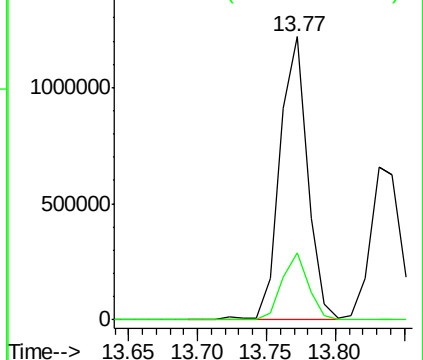
91 100

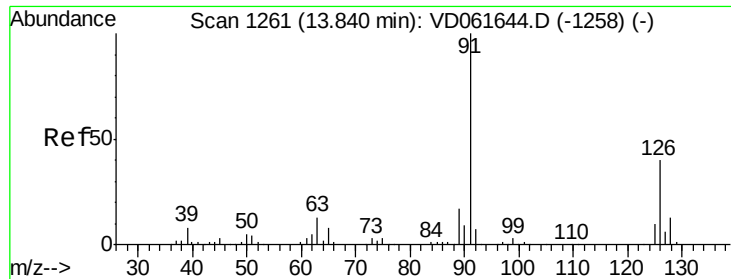
120 23.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

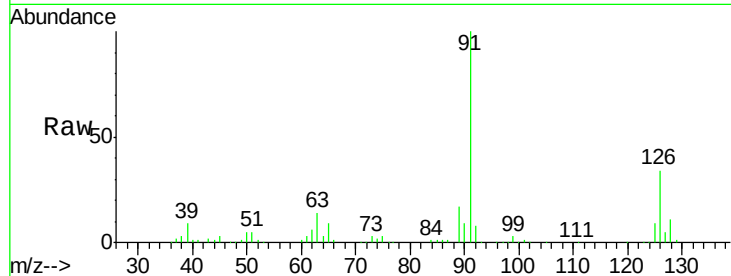




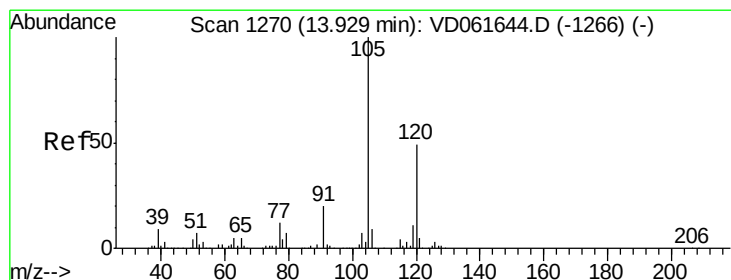
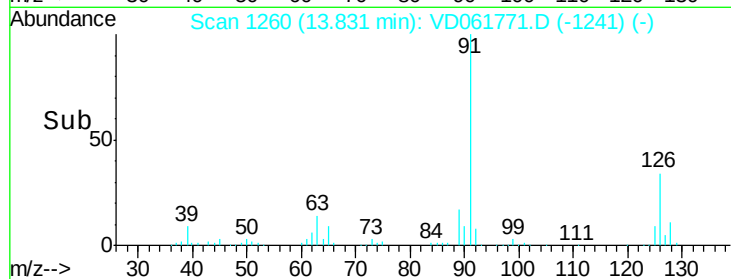
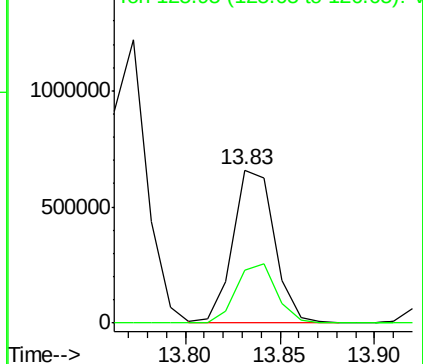
#79
 2-Chlorotoluene
 Concen: 54.080 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 995065
 Ion Ratio Lower Upper
 91 100
 126 34.2 20.0 59.9

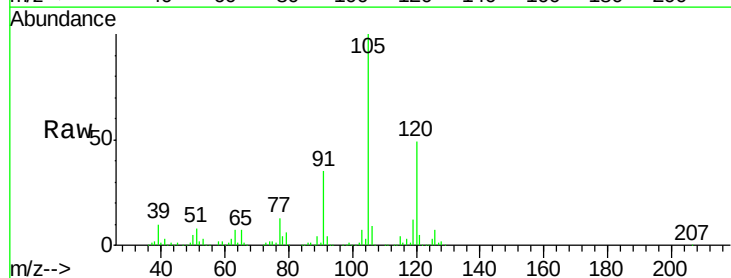


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

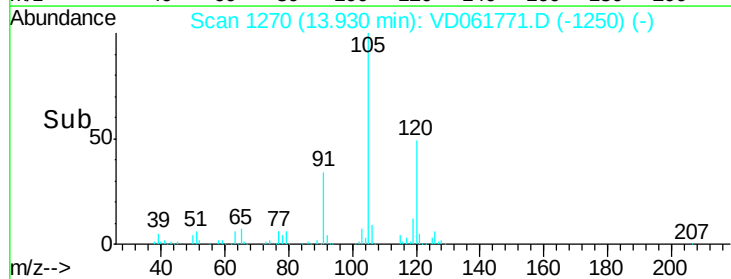
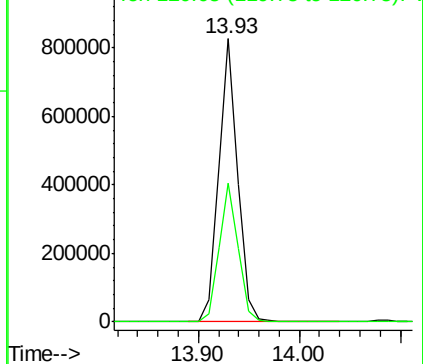


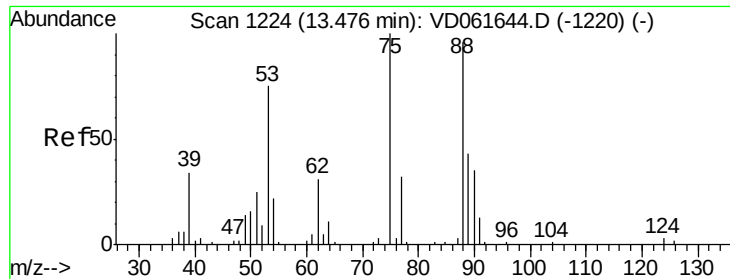
#80
 1,3,5-Trimethylbenzene
 Concen: 50.684 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 105 Resp: 1082087
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2



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

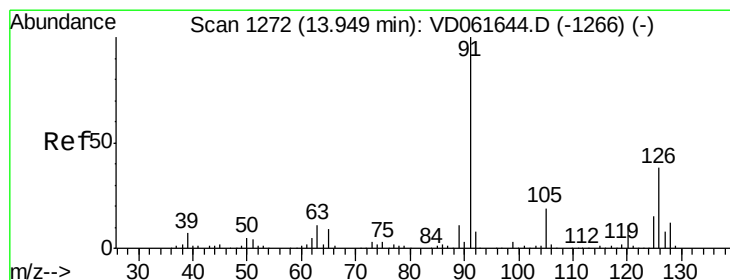
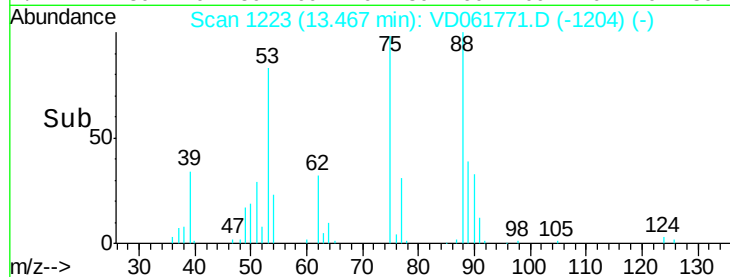
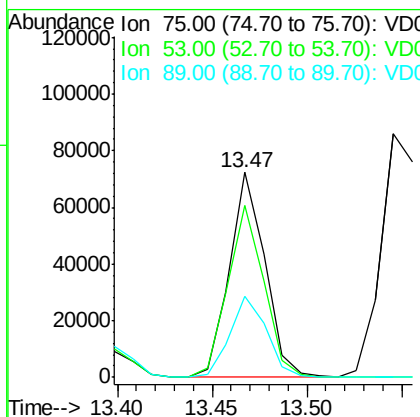
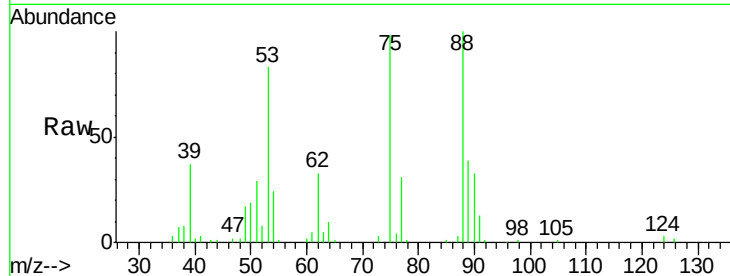




#81
trans-1,4-Dichloro-2-butene
Concen: 56.130 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

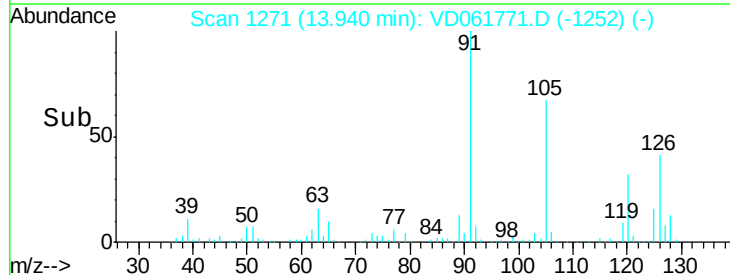
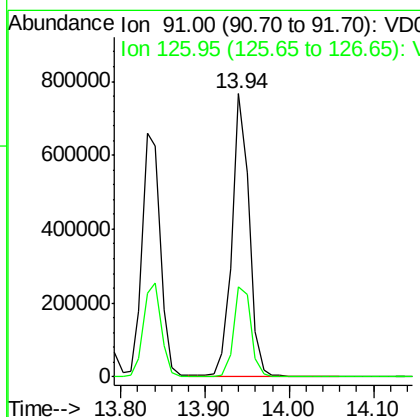
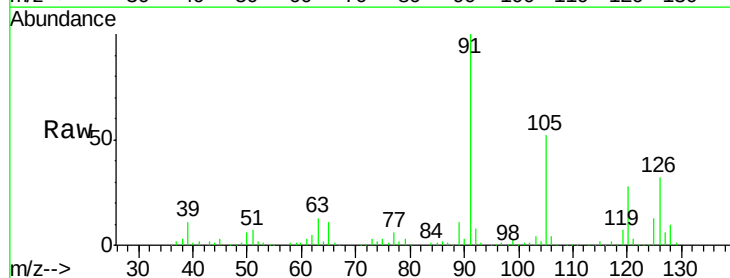
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

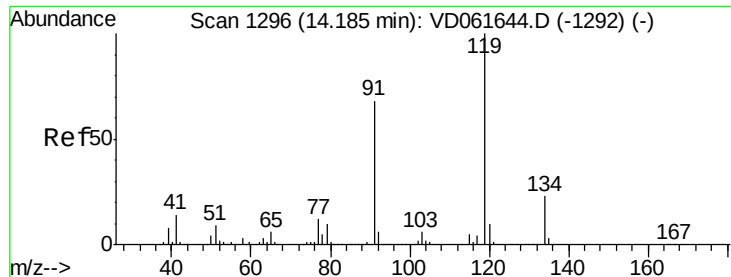
Tot Ion: 75 Resp: 93549
Ion Ratio Lower Upper
75 100
53 84.1 60.2 90.2
89 39.5 34.2 51.2



#82
4-Chlorotoluene
Concen: 53.692 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 91 Resp: 1082557
Ion Ratio Lower Upper
91 100
126 31.8 19.0 57.0

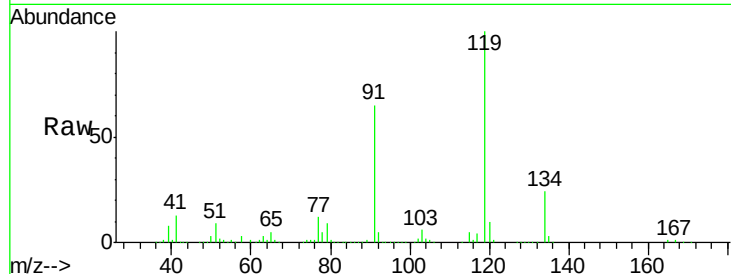




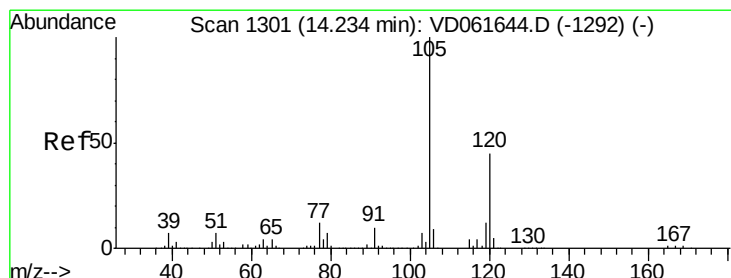
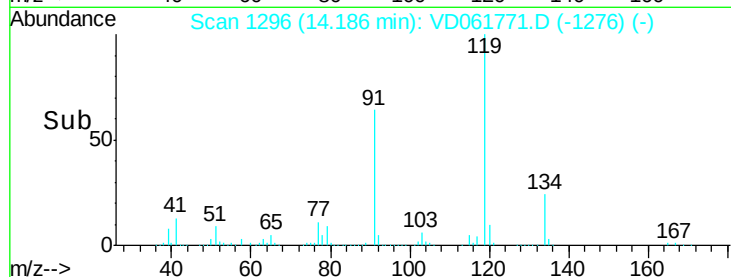
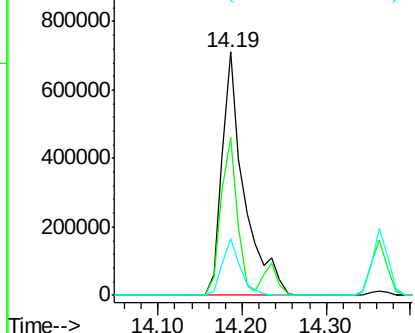
#83
 tert-Butylbenzene
 Concen: 50.743 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1306194
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.9 101.6
 134 23.5 11.6 34.8

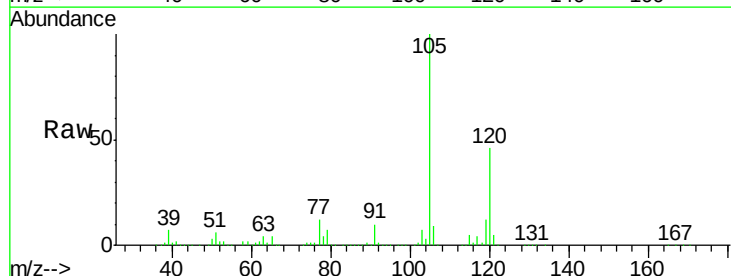


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

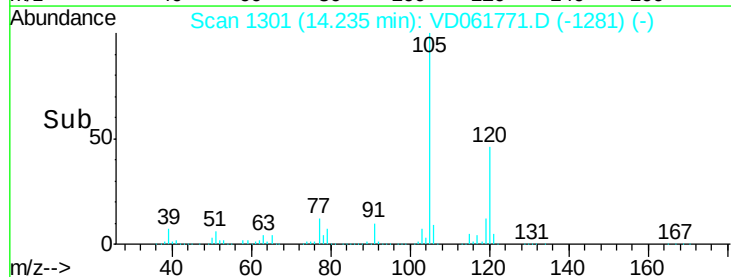
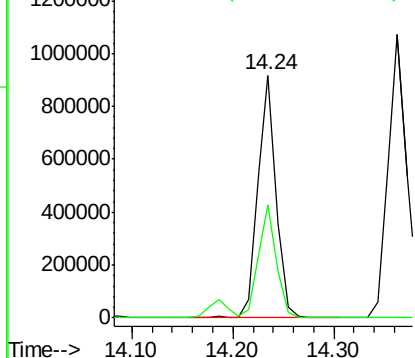


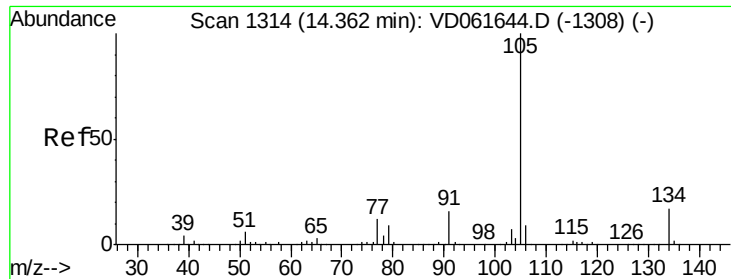
#84
 1,2,4-Trimethylbenzene
 Concen: 53.891 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion:105 Resp: 1161208
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 49.915 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

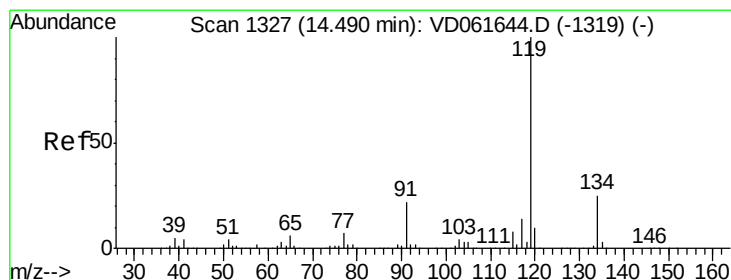
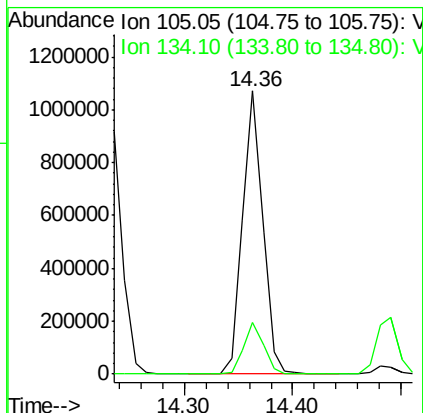
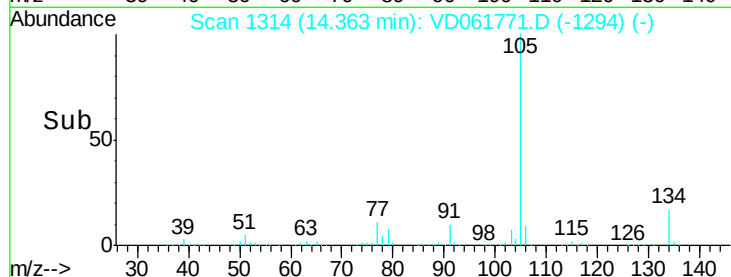
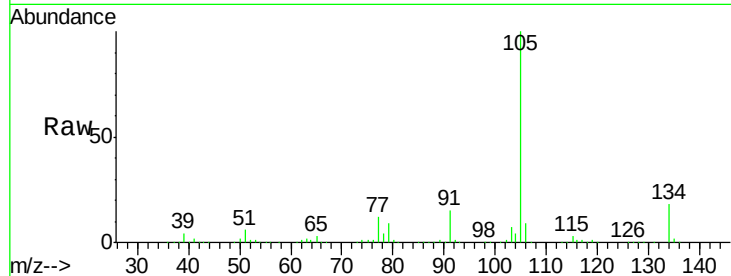
VSTDCCC050

Tot Ion:105 Resp: 1388217

Ion Ratio Lower Upper

105 100

134 18.3 8.6 25.7



#86

p-Isopropyltoluene

Concen: 50.682 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061771.D

Acq: 12 Apr 2019 11:33

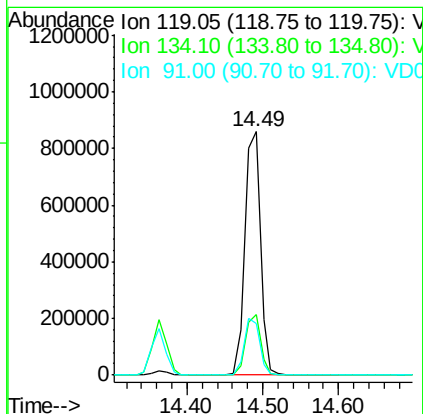
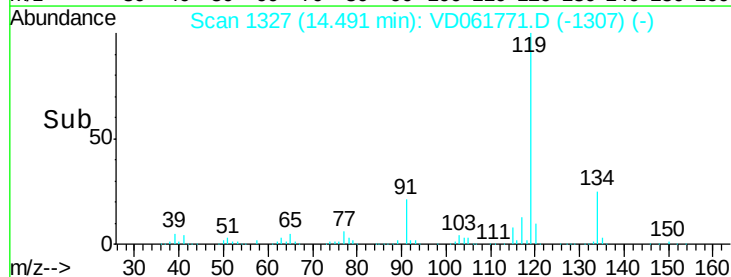
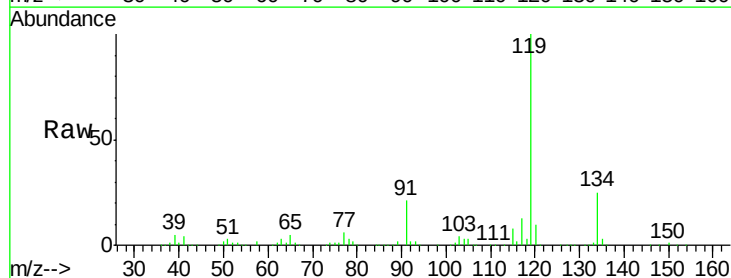
Tgt Ion:119 Resp: 1222784

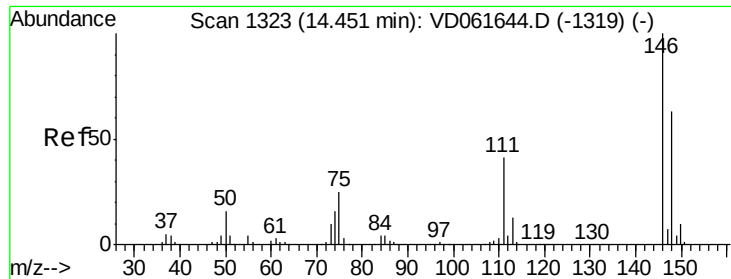
Ion Ratio Lower Upper

119 100

134 24.8 12.5 37.5

91 21.4 11.0 33.0

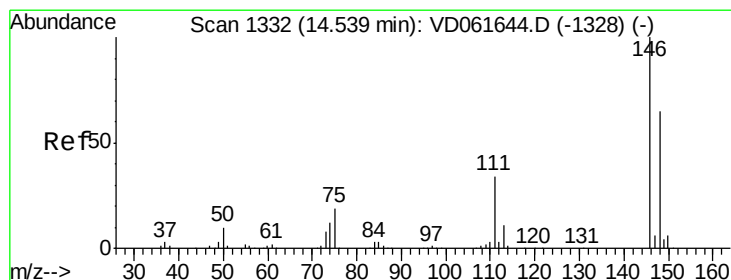
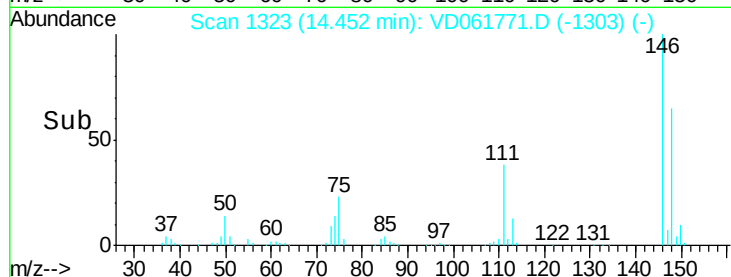
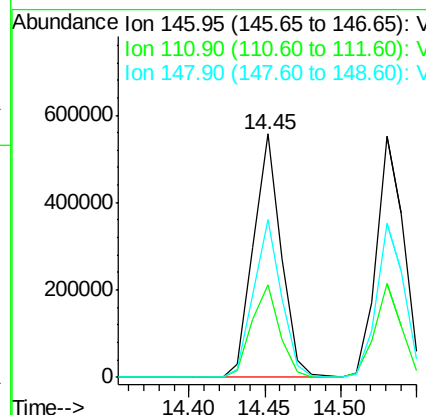
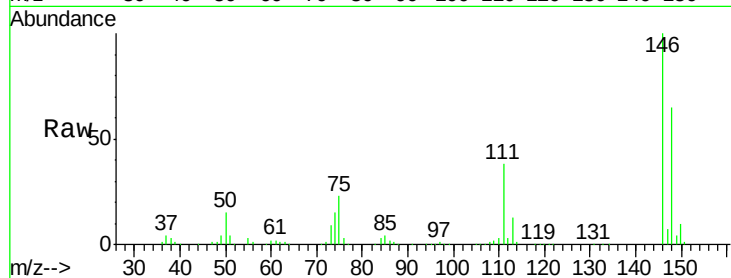




#87
 1,3-Dichlorobenzene
 Concen: 52.975 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

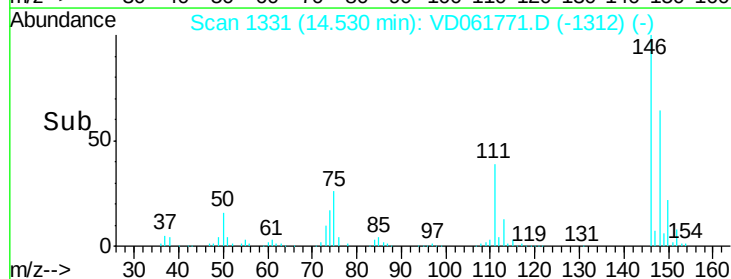
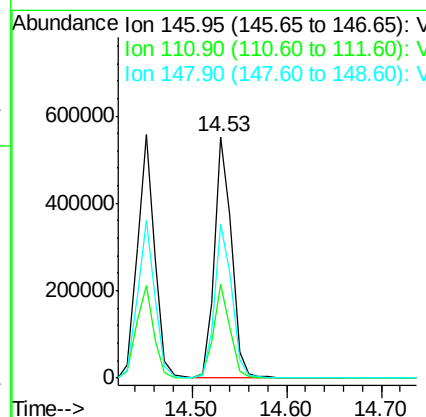
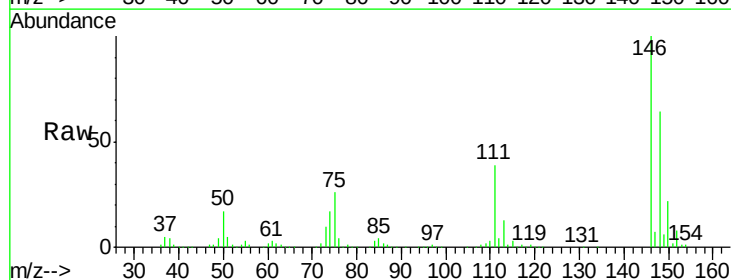
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

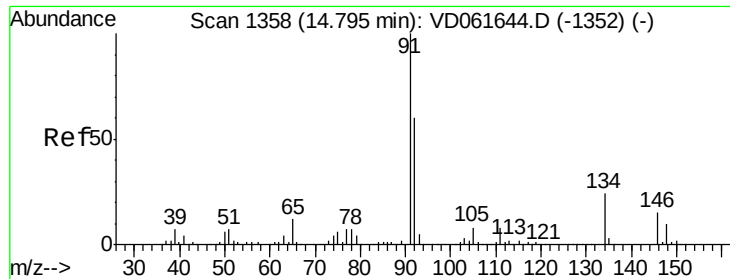
Tot Ion:146 Resp: 711827
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.3 61.0
 148 64.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 51.899 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion:146 Resp: 703633
 Ion Ratio Lower Upper
 146 100
 111 38.8 17.1 51.2
 148 63.9 32.6 97.7

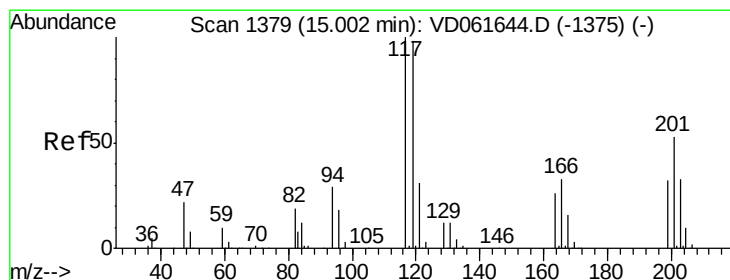
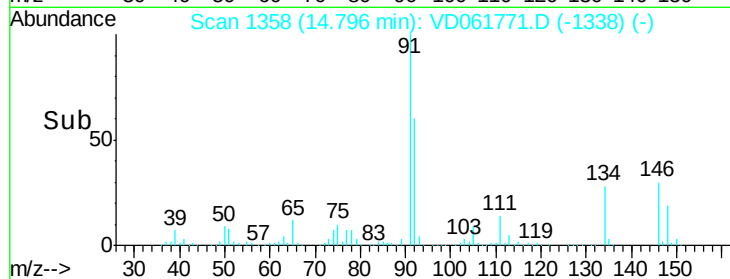
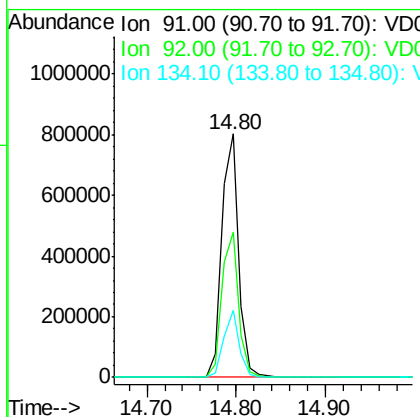
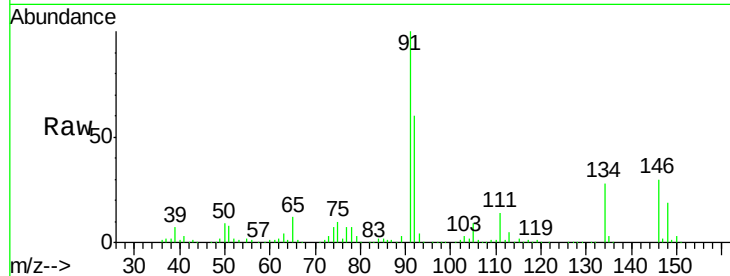




#89
n-Butylbenzene
Concen: 50.889 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

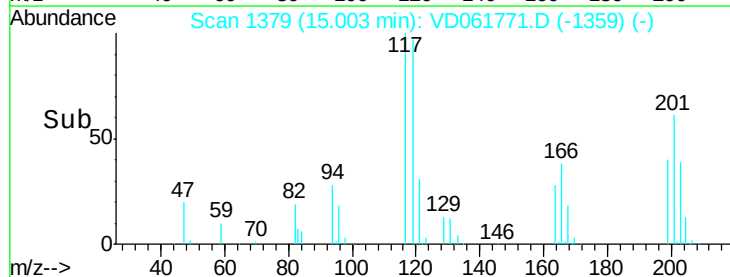
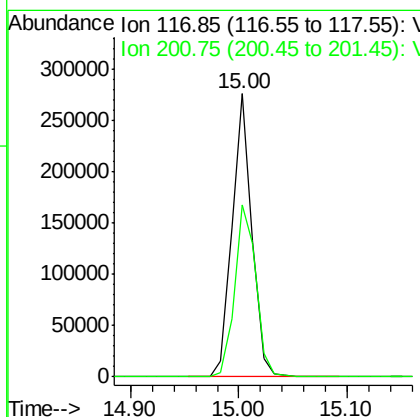
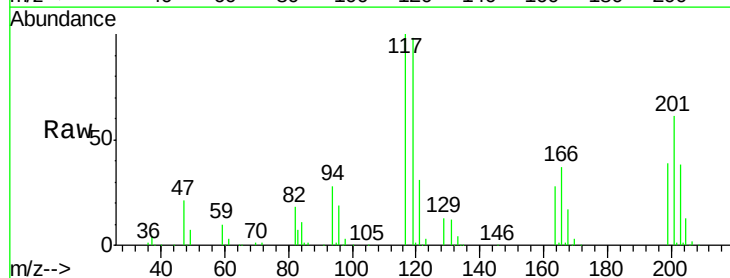
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

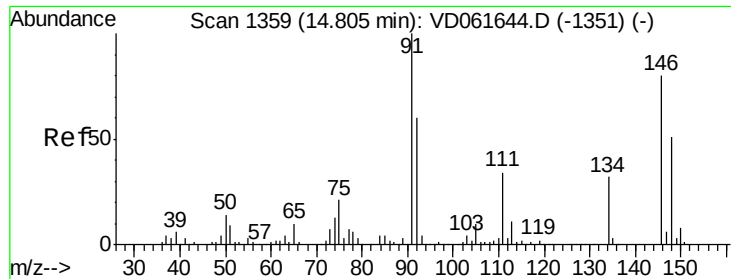
Tot Ion: 91 Resp: 1067160
Ion Ratio Lower Upper
91 100
92 59.7 29.8 89.4
134 27.7 12.2 36.4



#90
Hexachloroethane
Concen: 53.606 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion: 117 Resp: 350927
Ion Ratio Lower Upper
117 100
201 60.9 26.3 78.8

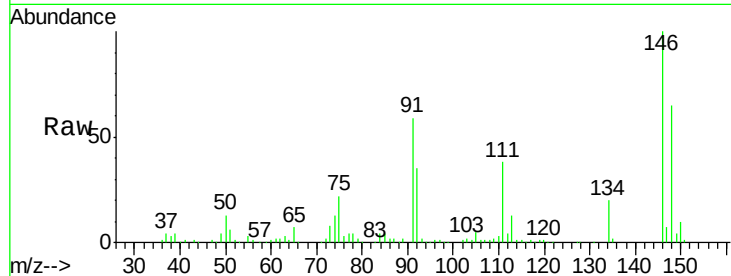




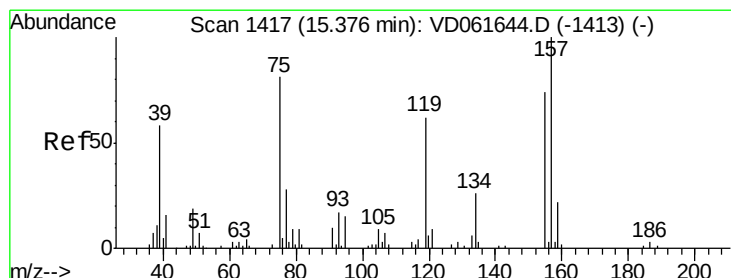
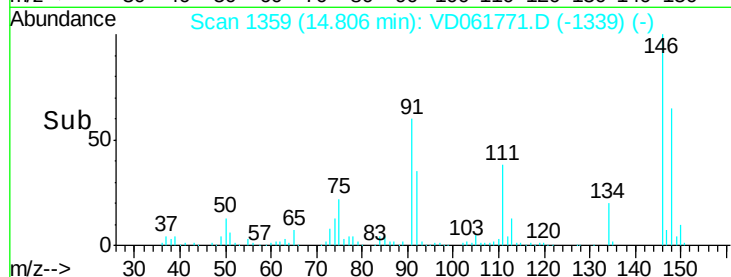
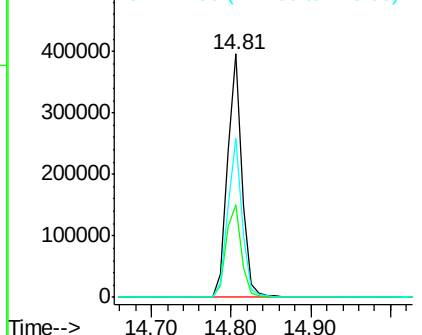
#91
 1,2-Dichlorobenzene
 Concen: 45.708 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 506186
 Ion Ratio Lower Upper
 146 100
 111 37.9 21.1 63.3
 148 65.4 31.7 95.1

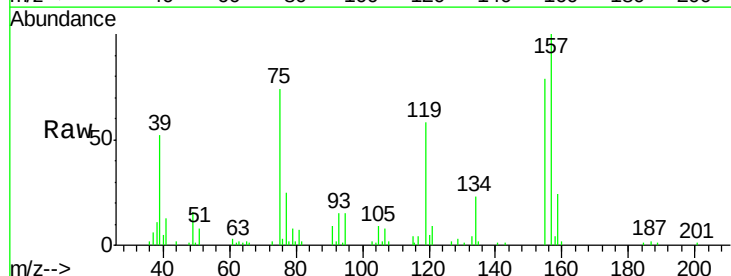


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

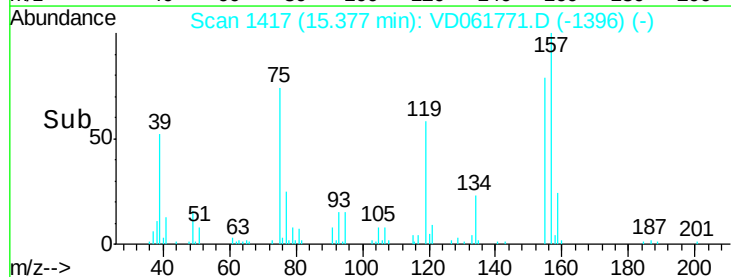
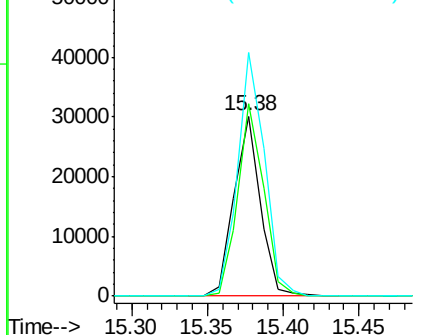


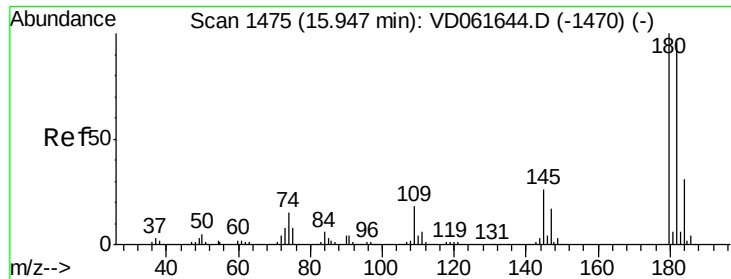
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.847 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion: 75 Resp: 36140
 Ion Ratio Lower Upper
 75 100
 155 106.7 45.6 136.7
 157 135.2 61.4 184.2



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

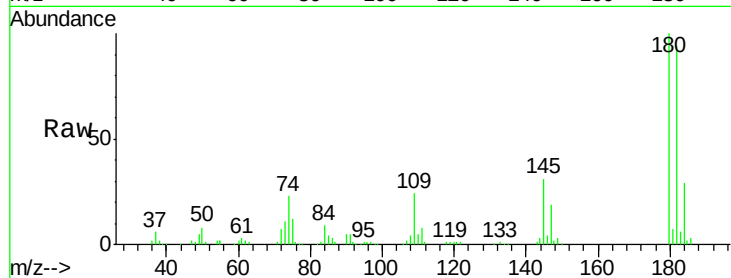




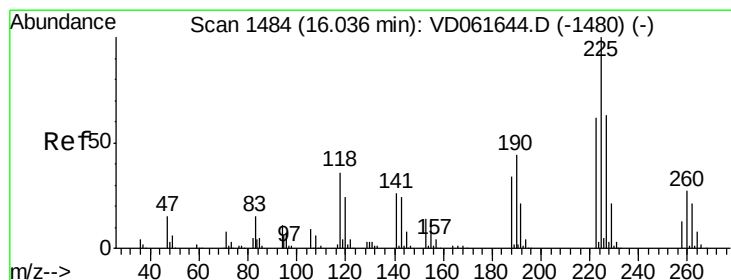
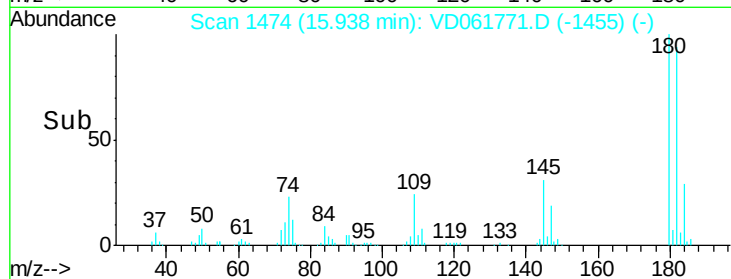
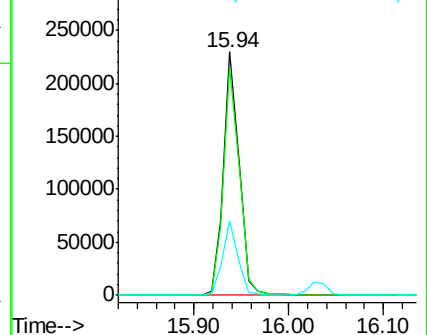
#93
 1,2,4-Trichlorobenzene
 Concen: 46.811 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 264115
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.8 143.3
 145 30.8 13.3 39.8

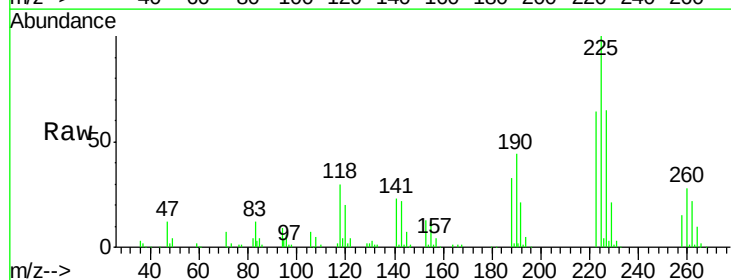


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

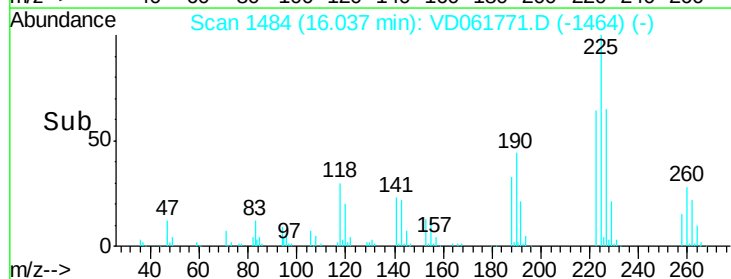
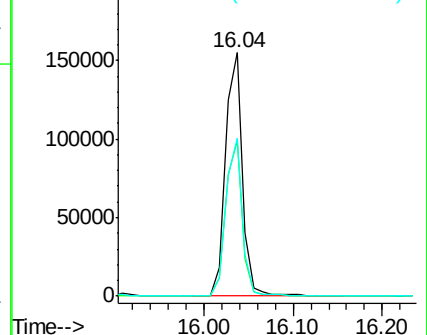


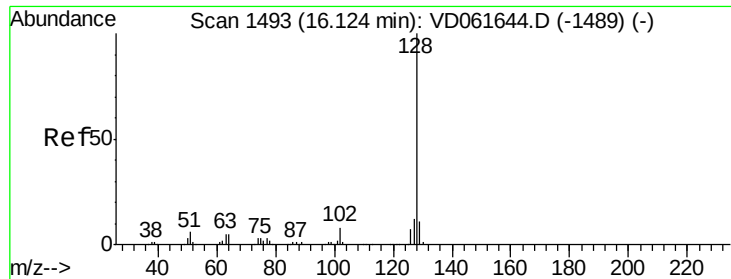
#94
 Hexachlorobutadiene
 Concen: 47.805 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061771.D
 Acq: 12 Apr 2019 11:33

Tgt Ion:225 Resp: 208269
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.8 92.3
 227 65.1 31.5 94.5



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

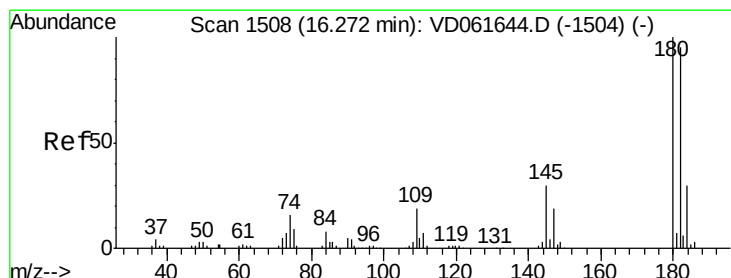
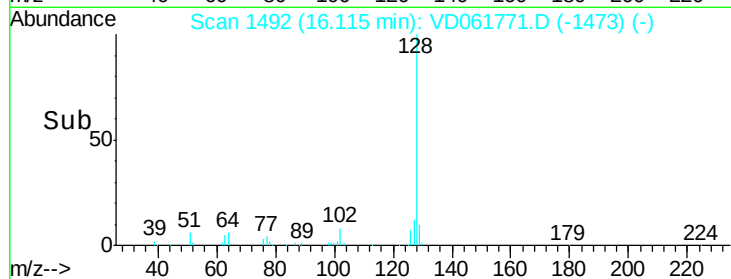
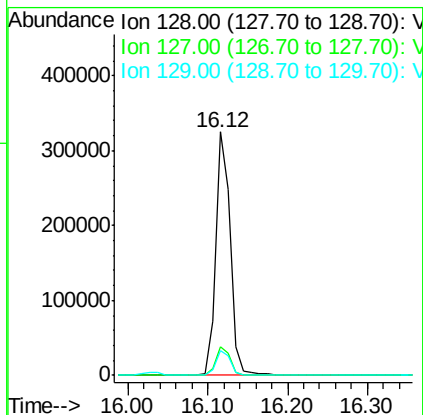
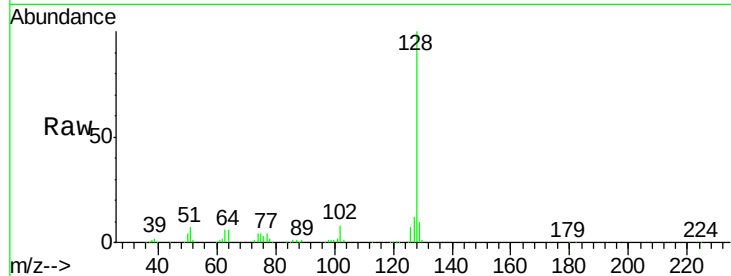




#95
Naphthalene
Concen: 46.839 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 418148
Ion Ratio Lower Upper
128 100
127 11.7 9.4 14.2
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 43.289 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061771.D
Acq: 12 Apr 2019 11:33

Tgt Ion:180 Resp: 121895
Ion Ratio Lower Upper
180 100
182 91.3 47.3 142.0
145 33.9 15.1 45.3

