

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062701.D
 Acq On : 13 Jun 2019 18:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 14 07:35:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	619692	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	835804	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	700526	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	388084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	441607	49.39	ug/l	0.02
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	6.94	113	465033	52.76	ug/l	0.02
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.43	98	933442	50.34	ug/l	0.01
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	13.57	95	479160	55.39	ug/l	0.01
Spiked Amount			Recovery	=	110.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	302243	41.515	ug/l	99
3) Chloromethane	1.75	50	261554	42.657	ug/l #	87
4) Vinyl Chloride	1.85	62	270629	42.802	ug/l	97
5) Bromomethane	2.16	94	172731	54.121	ug/l #	93
6) Chloroethane	2.27	64	138371	44.326	ug/l #	85
7) Trichlorofluoromethane	2.54	101	675024	47.698	ug/l	97
8) Diethyl Ether	2.88	74	82122	42.665	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	371111	48.624	ug/l	97
10) Methyl Iodide	3.32	142	410257	38.069	ug/l	97
11) Tert butyl alcohol	4.10	59	82305	223.920	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	265664	48.503	ug/l	97
13) Acrolein	3.04	56	17048	144.188	ug/l	89
14) Allyl chloride	3.63	41	404571	48.039	ug/l	94
15) Acrylonitrile	4.20	53	202742	242.729	ug/l	92
16) Acetone	3.23	43	393933	240.578	ug/l	96
17) Carbon Disulfide	3.39	76	723204	44.807	ug/l	99
18) Methyl Acetate	3.65	43	115052	42.754	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	656314	49.131	ug/l	98
20) Methylene Chloride	3.83	84	269778	43.549	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	285030	47.441	ug/l	94
22) Diisopropyl ether	5.14	45	847897	48.488	ug/l	95
23) Vinyl Acetate	5.07	43	2670518	246.163	ug/l	98
24) 1,1-Dichloroethane	5.00	63	525969	46.754	ug/l	99
25) 2-Butanone	6.08	43	361537	226.319	ug/l	100
26) 2,2-Dichloropropane	6.03	77	612476	47.239	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	310927	47.738	ug/l	97
28) Bromochloromethane	6.45	49	221386	51.482	ug/l	98
29) Tetrahydrofuran	6.48	42	159729	222.035	ug/l	99
30) Chloroform	6.67	83	724456	50.193	ug/l	91
31) Cyclohexane	6.97	56	331382	46.959	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	746213	51.957	ug/l	96
36) 1,1-Dichloropropene	7.16	75	440412	46.040	ug/l	99
37) Ethyl Acetate	6.20	43	186549	45.840	ug/l #	92
38) Carbon Tetrachloride	7.13	117	722786m	47.805	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	387988	50.192	ug/l	93
40) Benzene	7.47	78	860680	46.073	ug/l	98
41) Methacrylonitrile	6.46	41	225533	45.040	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	554772	49.824	ug/l	97
43) Isopropyl Acetate	9.25	43	248692	49.272	ug/l #	94
44) Trichloroethene	8.54	130	356036	46.946	ug/l	88
45) 1,2-Dichloropropane	8.95	63	217409	48.452	ug/l	96
46) Dibromomethane	9.08	93	214022	53.734	ug/l	91
47) Bromodichloromethane	9.38	83	595723	54.982	ug/l	96
48) Methyl methacrylate	9.14	41	171886	47.138	ug/l #	93
49) 1,4-Dioxane	9.10	88	32604	999.905	ug/l #	74
51) 4-Methyl-2-Pentanone	10.32	43	849751	240.607	ug/l	100
52) Toluene	10.52	92	623055	49.618	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	479460	53.973	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	469581	51.145	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	216555	50.287	ug/l	98
56) Ethyl methacrylate	11.06	69	240488	46.637	ug/l	97
57) 1,3-Dichloropropane	11.42	76	358144	53.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	552871	240.208	ug/l	97
59) 2-Hexanone	11.54	43	680860	259.169	ug/l	96
60) Dibromochloromethane	11.70	129	440299	51.795	ug/l	96
61) 1,2-Dibromoethane	11.81	107	269813	52.350	ug/l	92
64) Tetrachloroethene	11.27	164	365826	55.786	ug/l	98
65) Chlorobenzene	12.40	112	750920	48.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	386290	52.270	ug/l	92
67) Ethyl Benzene	12.53	91	1449224	52.750	ug/l	97
68) m/p-Xylenes	12.68	106	984537	101.935	ug/l	97
69) o-Xylene	13.05	106	450998	50.843	ug/l	97
70) Styrene	13.08	104	818896	51.740	ug/l	94
71) Bromoform	13.24	173	261609	46.363	ug/l	99
73) Isopropylbenzene	13.41	105	1404432	51.343	ug/l	100
74) N-amyl acetate	13.27	43	381634	51.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	241253	51.544	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	263100	50.000	ug/l	99
77) Bromobenzene	13.67	156	396556	50.722	ug/l	91
78) n-propylbenzene	13.78	91	1674255	50.003	ug/l	97
79) 2-Chlorotoluene	13.85	91	1014899	51.768	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1243784	51.449	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	68523	44.385	ug/l	93
82) 4-Chlorotoluene	13.95	91	1214675	51.809	ug/l	93
83) tert-Butylbenzene	14.20	119	1372611	51.478	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1257600	52.540	ug/l	100
85) sec-Butylbenzene	14.37	105	1434744	51.314	ug/l	98
86) p-Isopropyltoluene	14.50	119	1444843	53.075	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	754768	53.290	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	659290	49.254	ug/l	97
89) n-Butylbenzene	14.81	91	1237558	50.532	ug/l	98
90) Hexachloroethane	15.01	117	383722	53.393	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	604240	51.322	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	52289	52.301	ug/l #	63

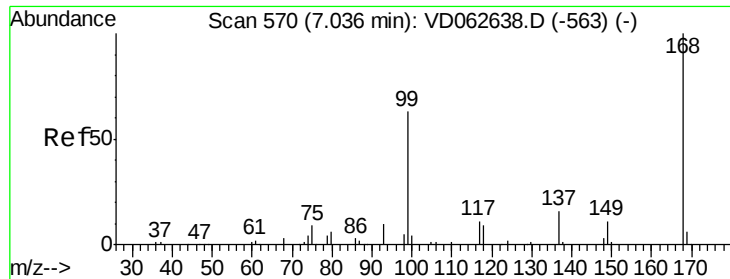
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	477426	47.959	ug/l	98
94) Hexachlorobutadiene	16.05	225	379396	54.580	ug/l	96
95) Naphthalene	16.13	128	679836	48.397	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	384955	56.766	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

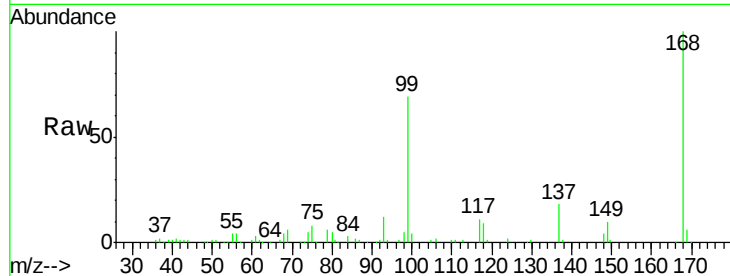
VSTDCCC050EC

Tot Ion:168 Resp: 619692

Ion Ratio Lower Upper

168 100

99 68.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

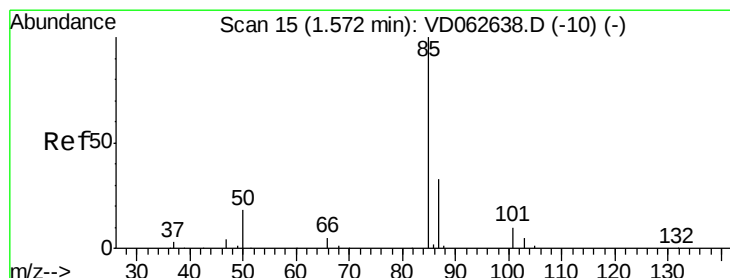
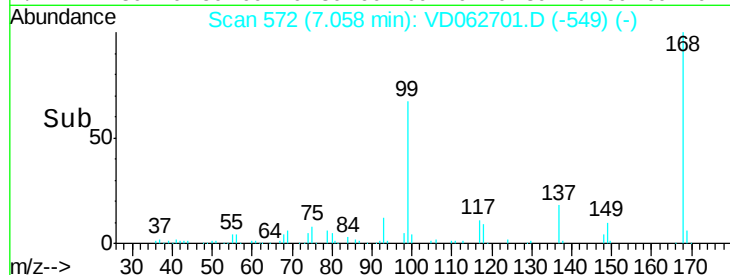
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 41.515 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062701.D

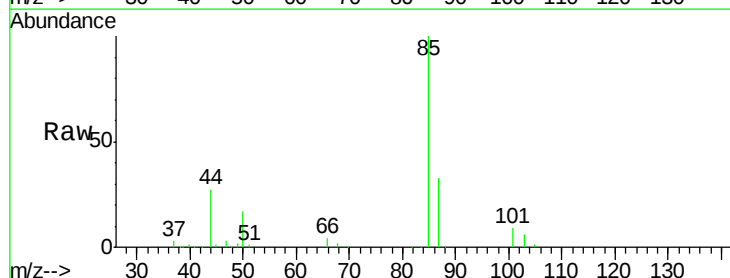
Acq: 13 Jun 2019 18:43

Tgt Ion: 85 Resp: 302243

Ion Ratio Lower Upper

85 100

87 33.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

150000

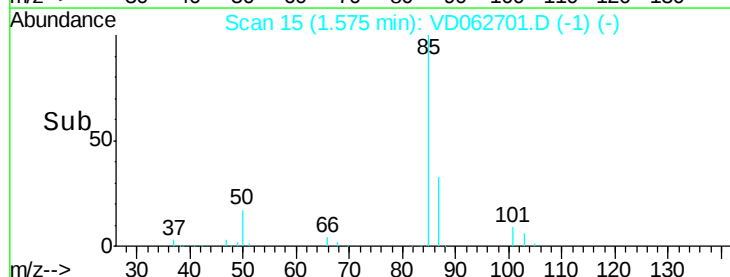
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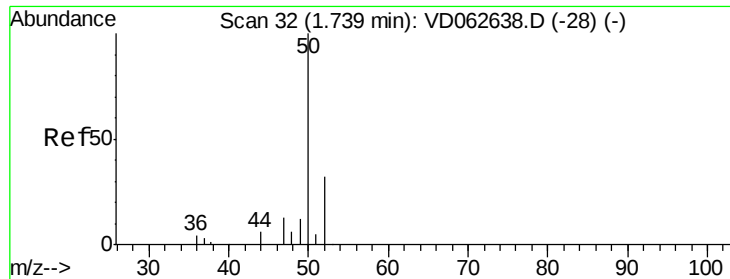
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 42.657 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

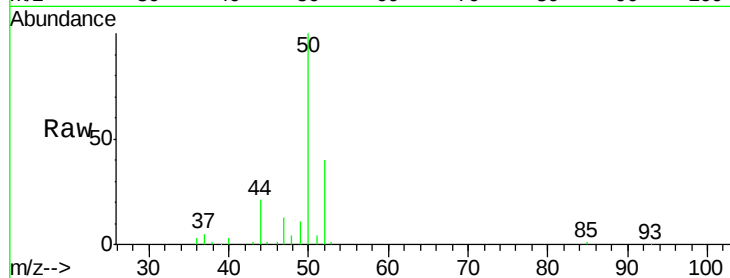
VSTDCCC050EC

Tot Ion: 50 Resp: 261554

Ion Ratio Lower Upper

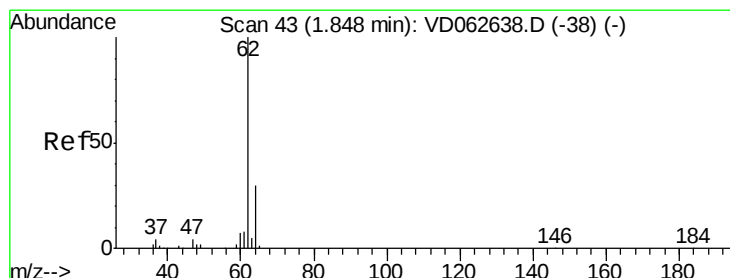
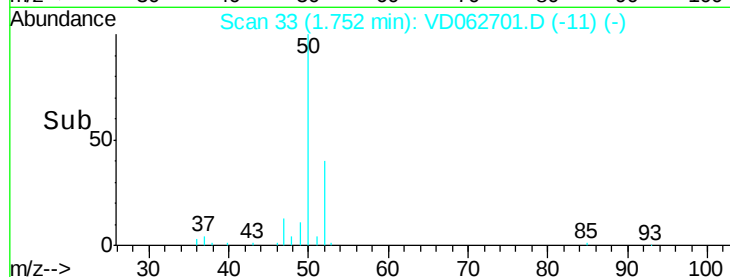
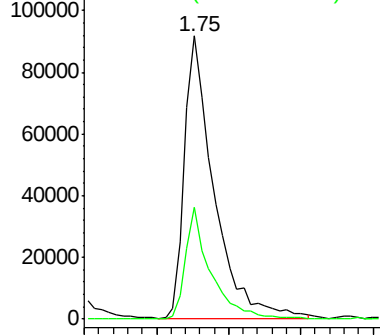
50 100

52 39.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.802 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062701.D

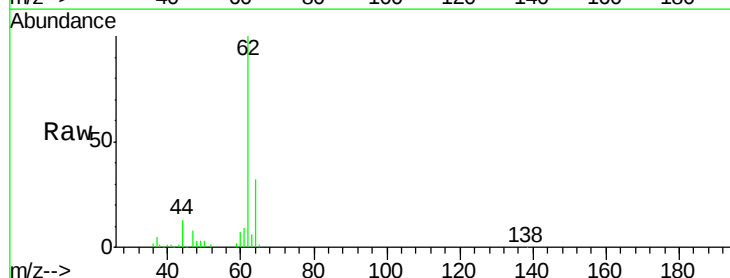
Acq: 13 Jun 2019 18:43

Tgt Ion: 62 Resp: 270629

Ion Ratio Lower Upper

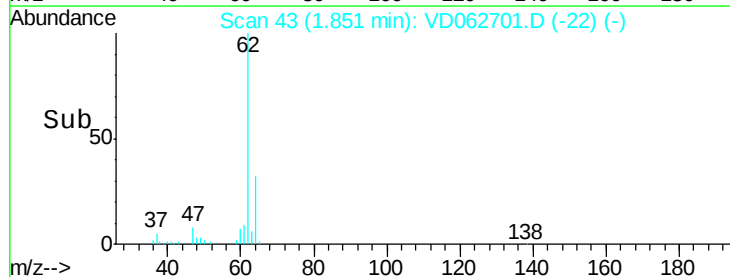
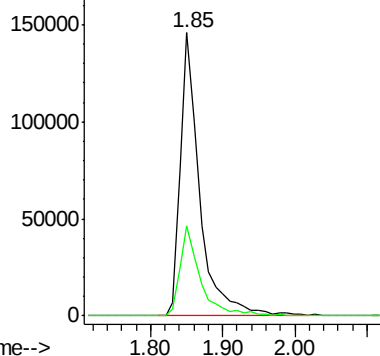
62 100

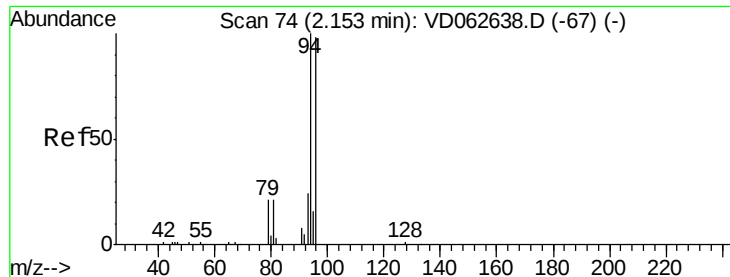
64 32.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.121 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

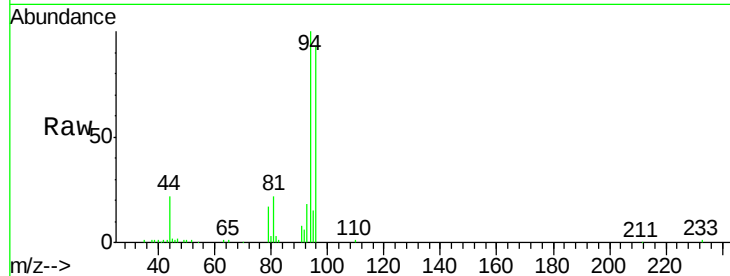
Tot Ion: 94 Resp: 172731

Ion Ratio Lower Upper

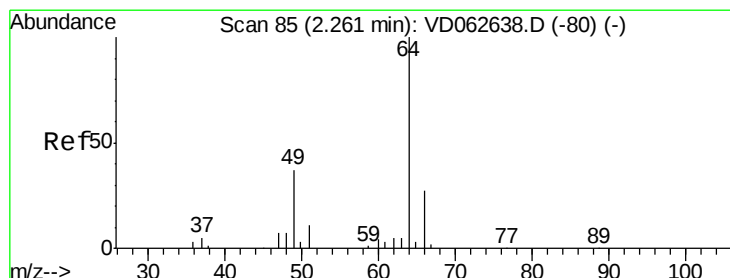
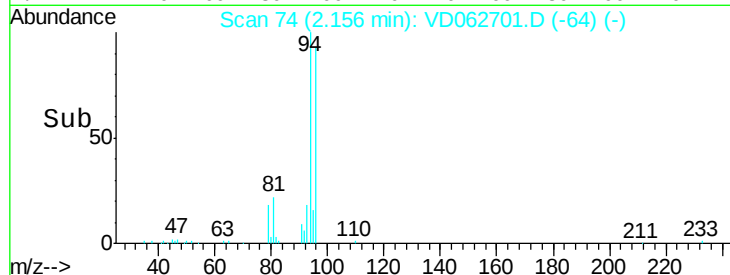
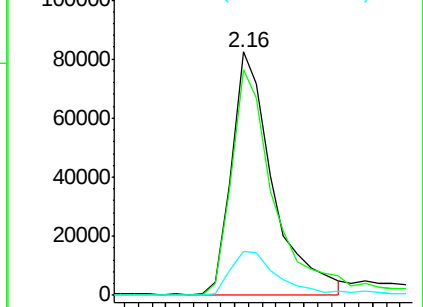
94 100

96 92.7 78.1 117.1

93 18.2 19.6 29.4#



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: 44.326 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062701.D

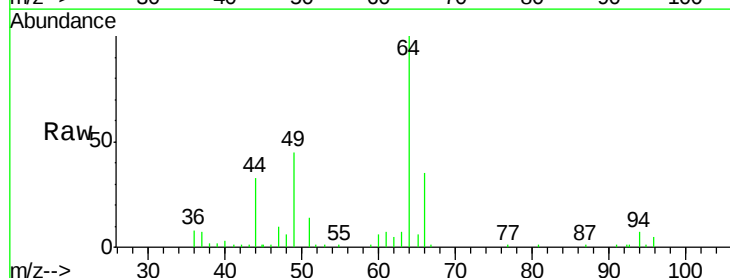
Acq: 13 Jun 2019 18:43

Tgt Ion: 64 Resp: 138371

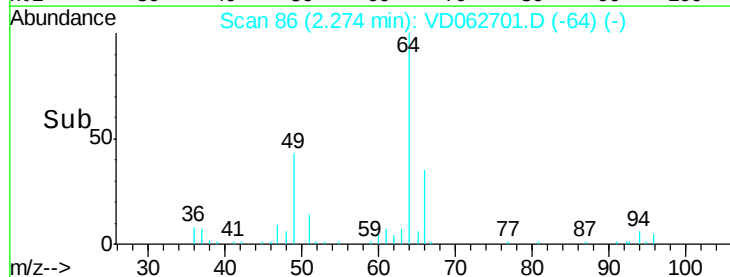
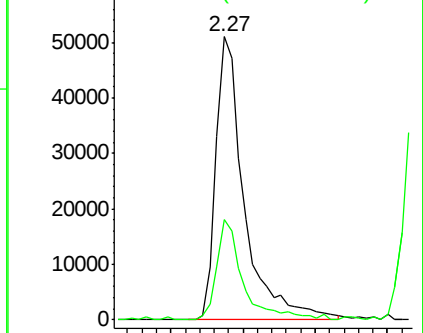
Ion Ratio Lower Upper

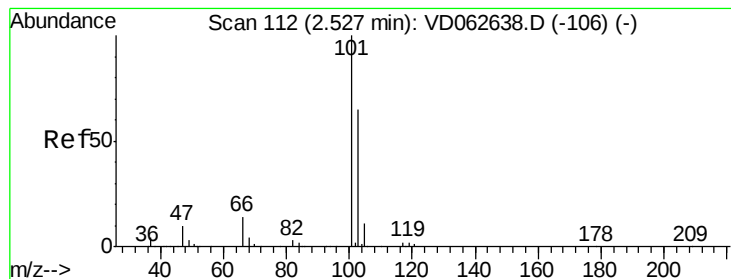
64 100

66 35.3 21.9 32.9#



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



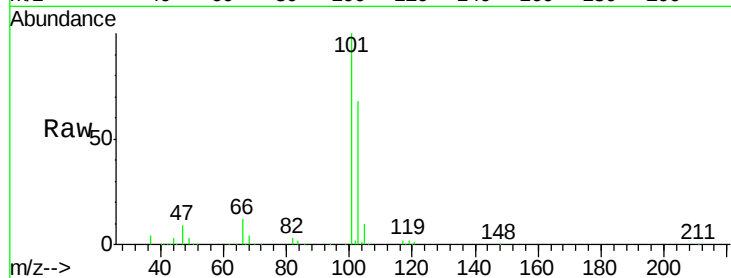


#7

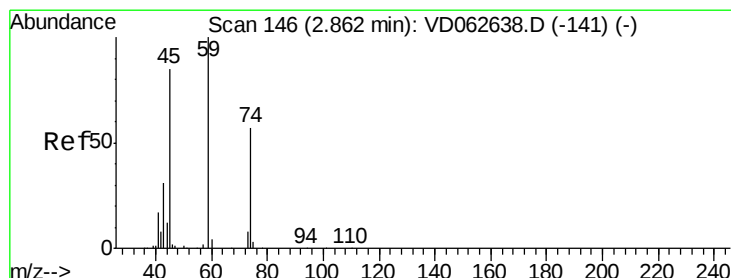
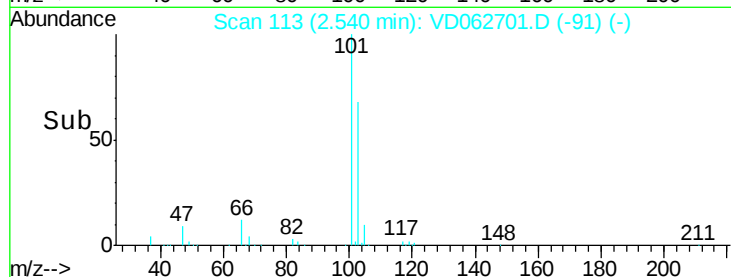
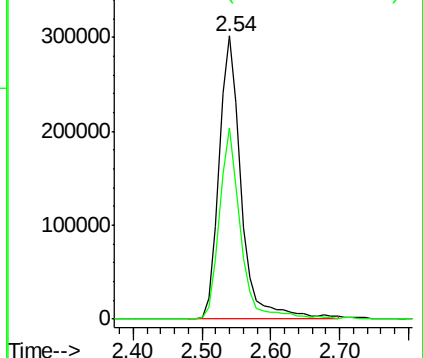
Trichlorofluoromethane
 Concen: 47.698 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 675024
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.2 78.2



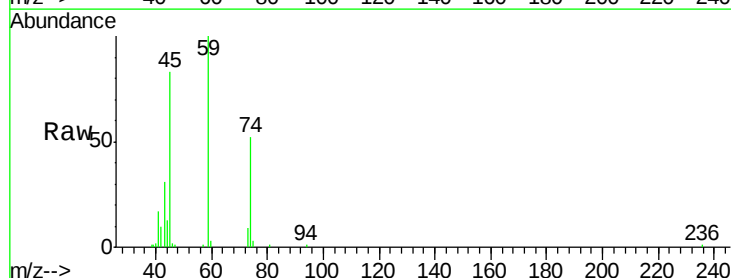
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



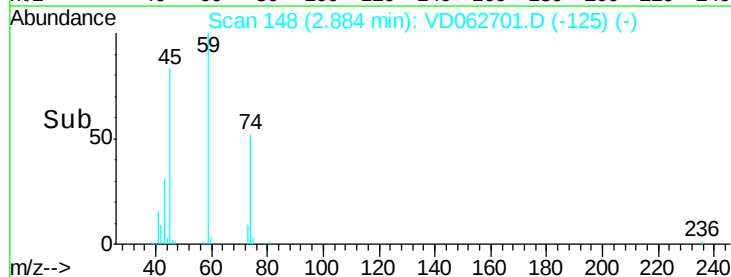
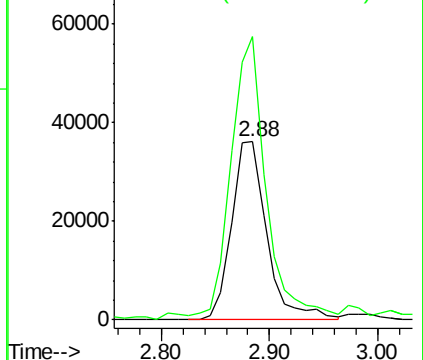
#8

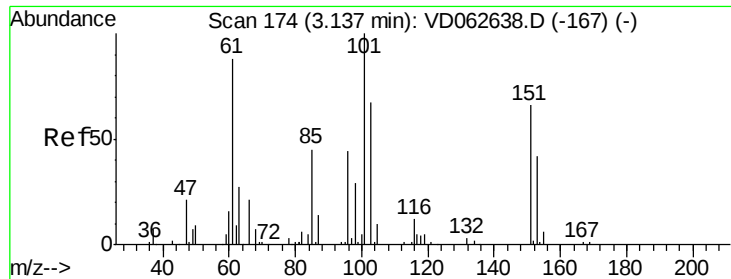
Diethyl Ether
 Concen: 42.665 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 74 Resp: 82122
 Ion Ratio Lower Upper
 74 100
 45 159.2 74.9 224.7



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: 48.624 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

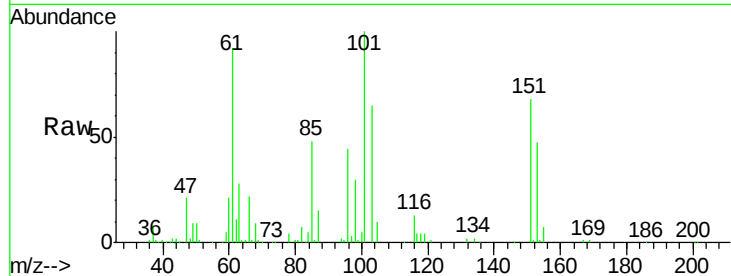
Tot Ion:101 Resp: 371111

Ion Ratio Lower Upper

101 100

85 47.9 36.0 54.0

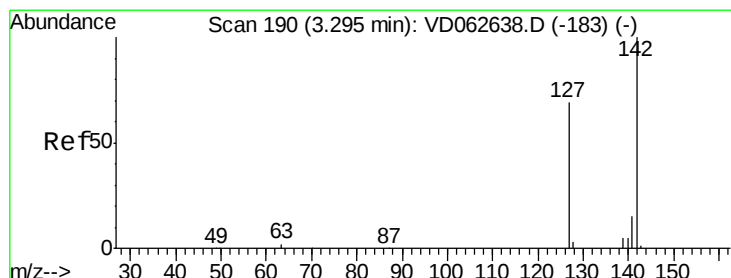
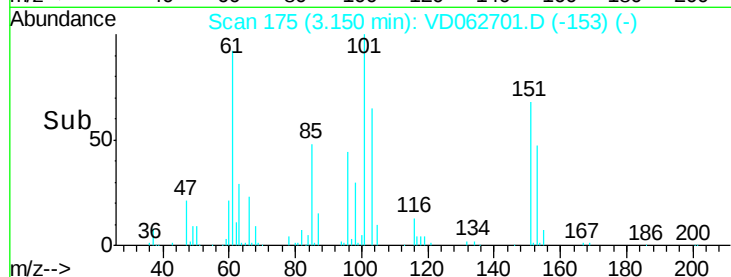
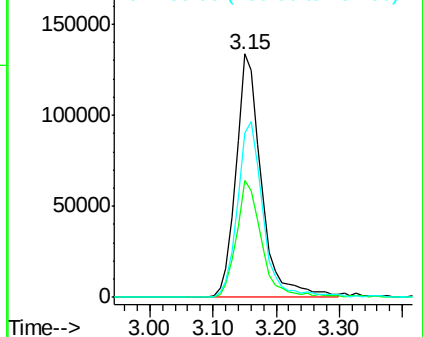
151 67.6 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 38.069 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

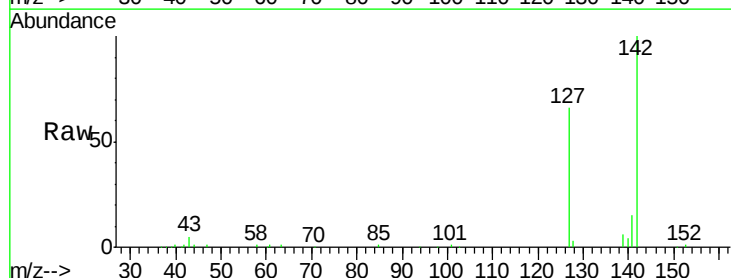
Tgt Ion:142 Resp: 410257

Ion Ratio Lower Upper

142 100

127 65.9 55.2 82.8

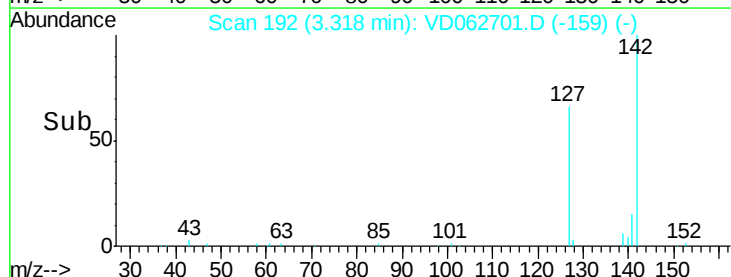
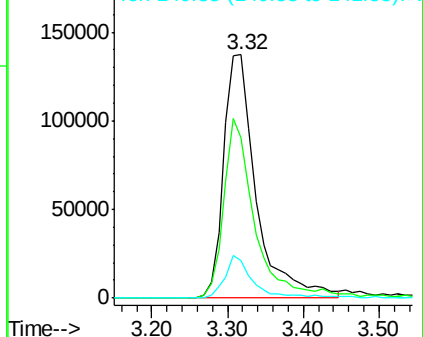
141 15.4 12.1 18.1

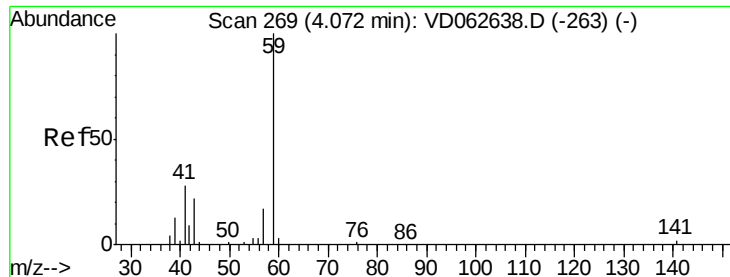


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



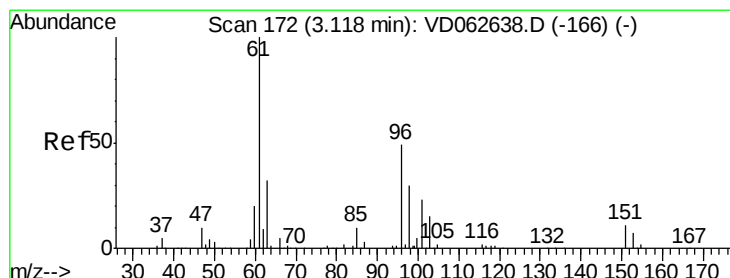
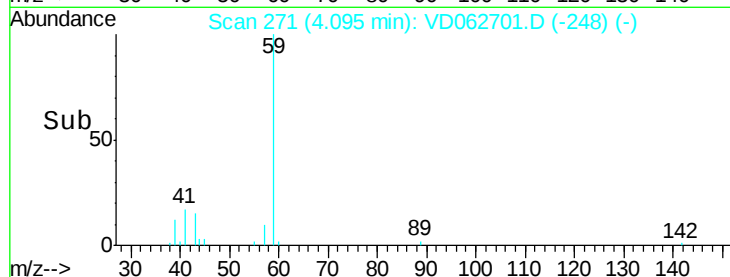
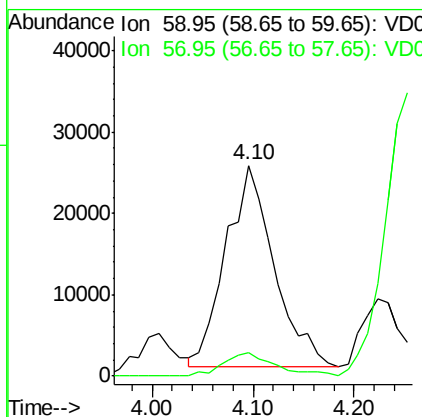
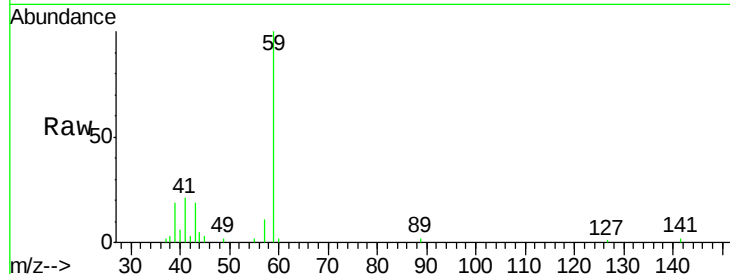


#11

Tert butyl alcohol
Concen: 223.920 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

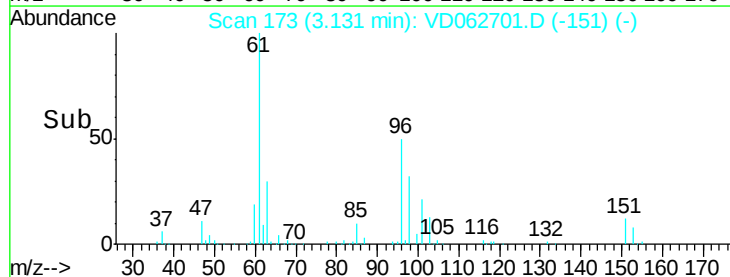
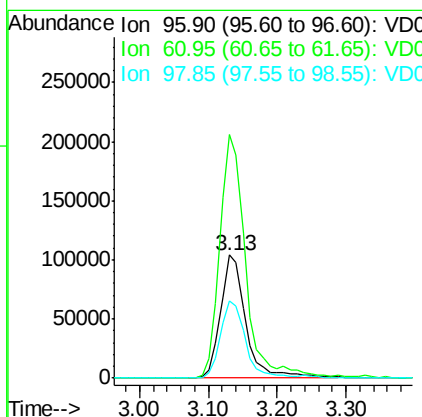
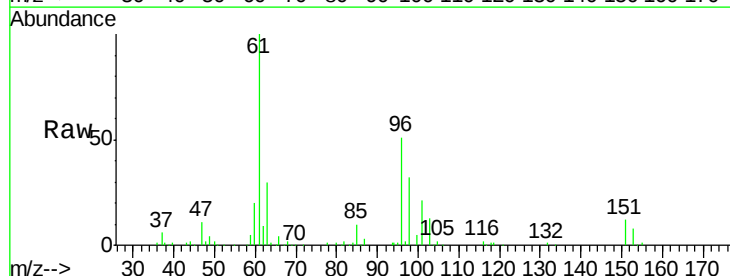
Tot Ion: 59 Resp: 82305
Ion Ratio Lower Upper
59 100
57 11.4 13.7 20.5#

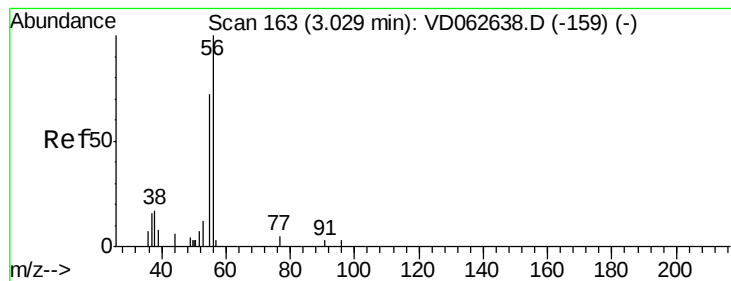


#12

1,1-Dichloroethene
Concen: 48.503 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 96 Resp: 265664
Ion Ratio Lower Upper
96 100
61 197.5 161.8 242.8
98 63.1 48.2 72.4





#13

Acrolein

Concen: 144.188 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

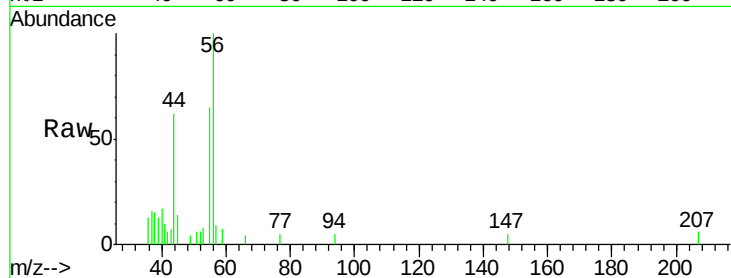
VSTDCCC050EC

Tot Ion: 56 Resp: 17048

Ion Ratio Lower Upper

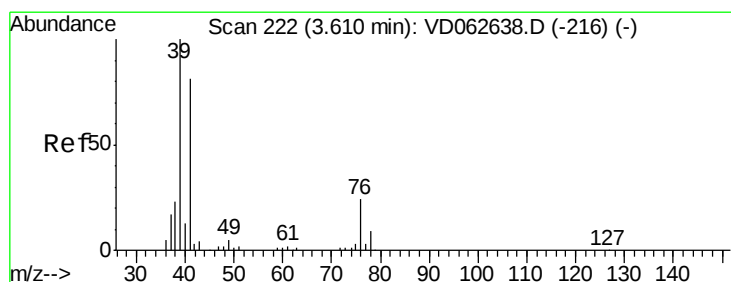
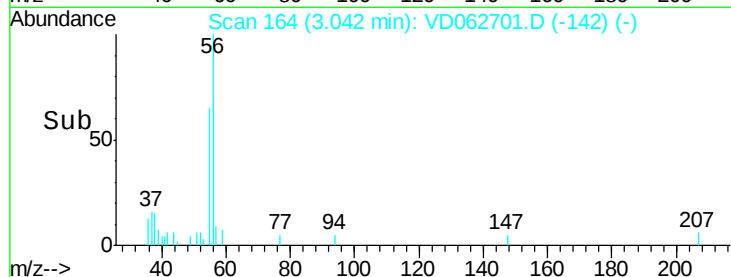
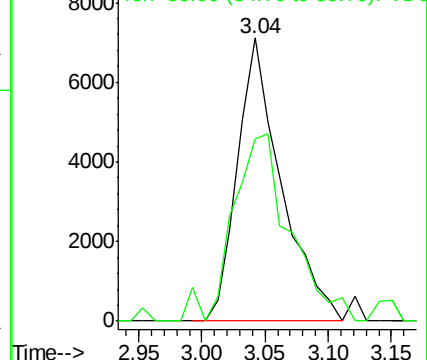
56 100

55 64.5 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.039 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

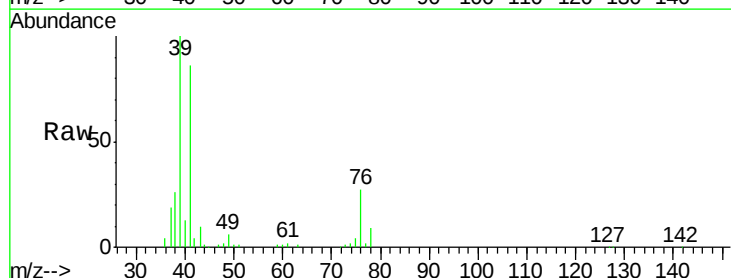
Tgt Ion: 41 Resp: 404571

Ion Ratio Lower Upper

41 100

39 116.0 99.1 148.7

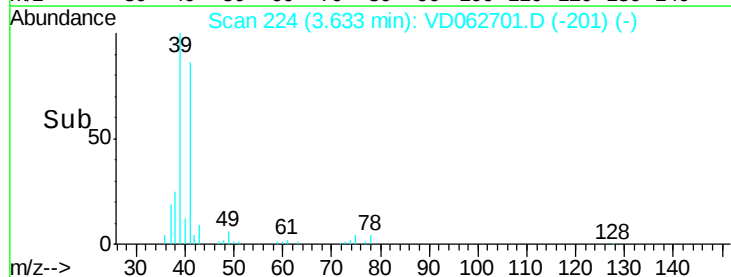
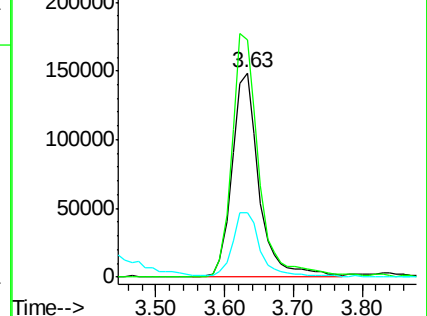
76 31.4 25.0 37.6

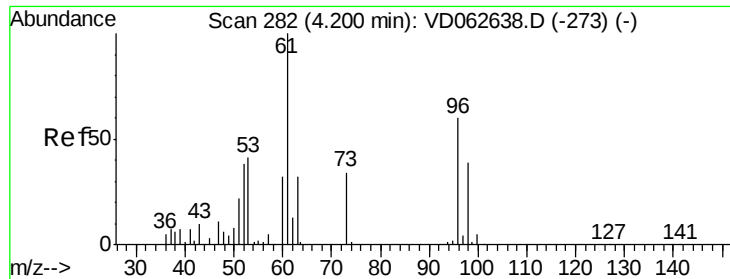


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 242.729 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

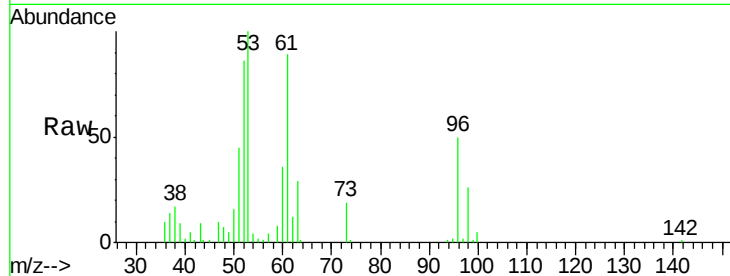
Tot Ion: 53 Resp: 202742

Ion Ratio Lower Upper

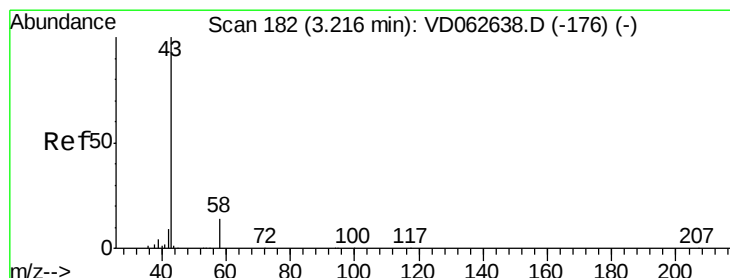
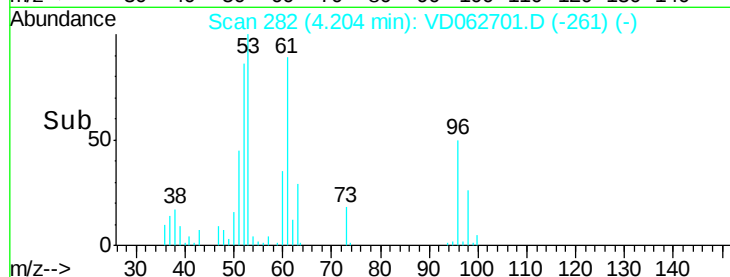
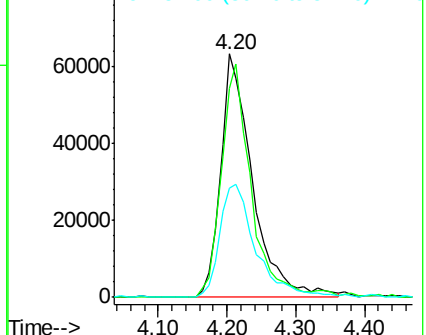
53 100

52 85.9 73.6 110.4

51 44.7 42.0 63.0



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: 240.578 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062701.D

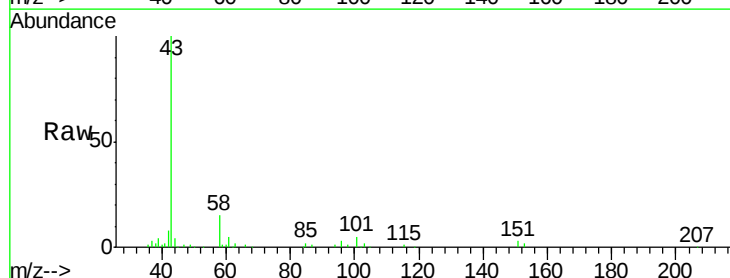
Acq: 13 Jun 2019 18:43

Tgt Ion: 43 Resp: 393933

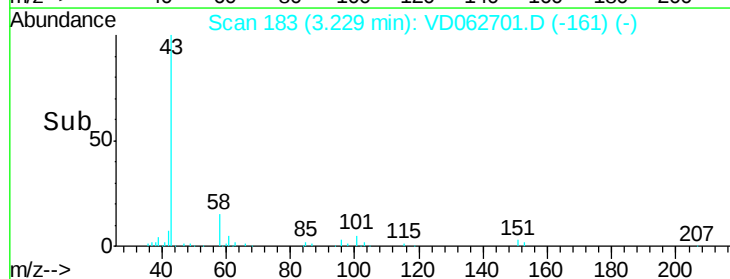
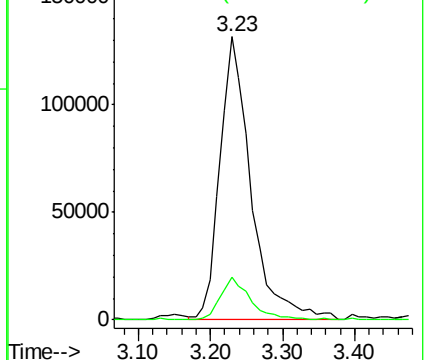
Ion Ratio Lower Upper

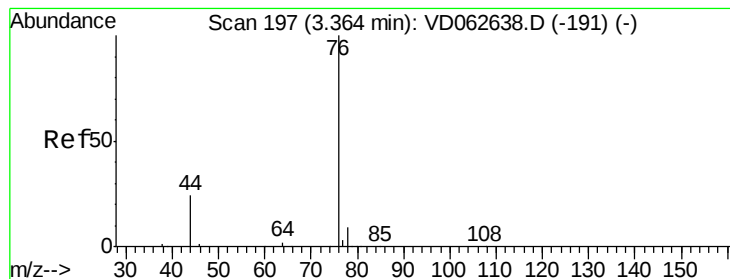
43 100

58 14.9 10.8 16.2



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





#17

Carbon Disulfide

Concen: 44.807 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

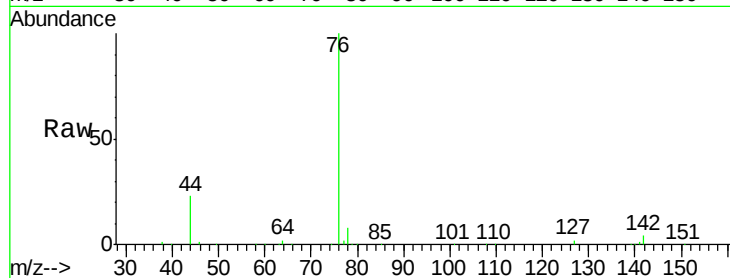
VSTDCCC050EC

Tot Ion: 76 Resp: 723204

Ion Ratio Lower Upper

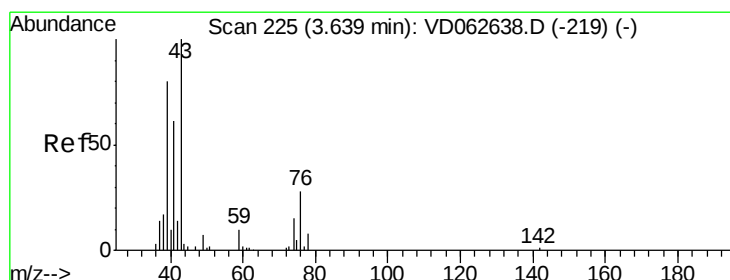
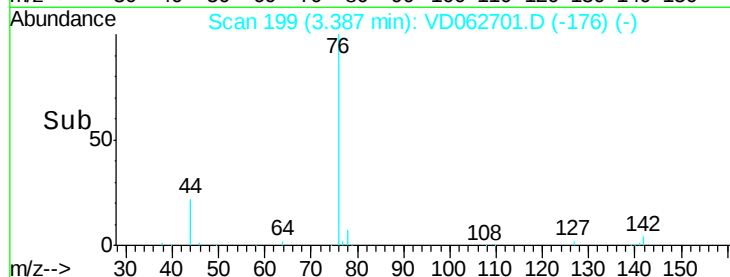
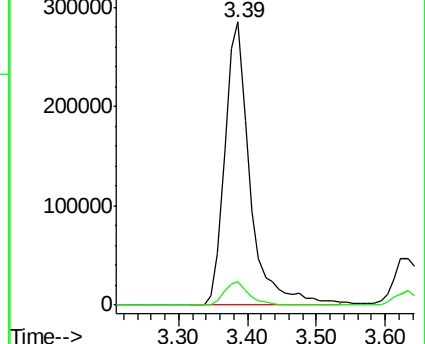
76 100

78 8.4 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 42.754 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062701.D

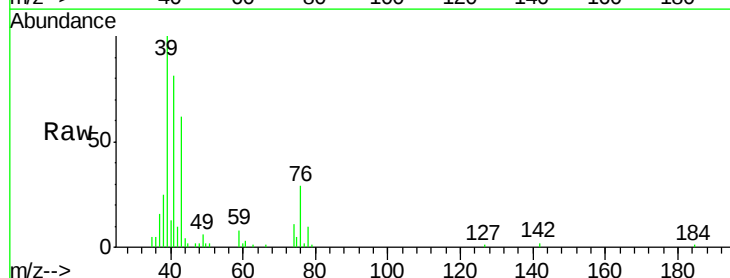
Acq: 13 Jun 2019 18:43

Tgt Ion: 43 Resp: 115052

Ion Ratio Lower Upper

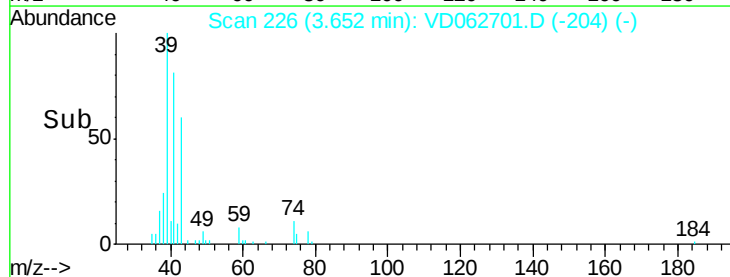
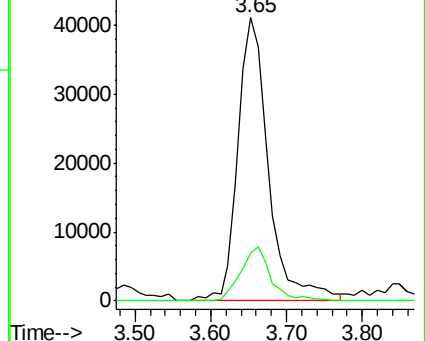
43 100

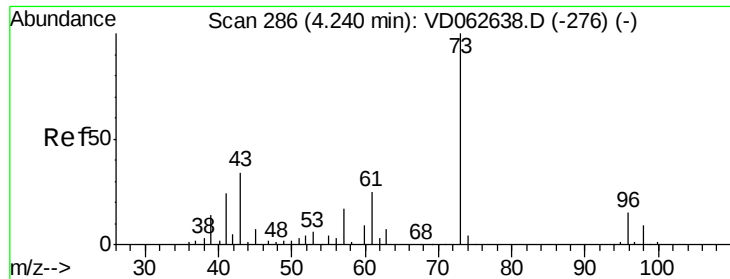
74 17.1 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

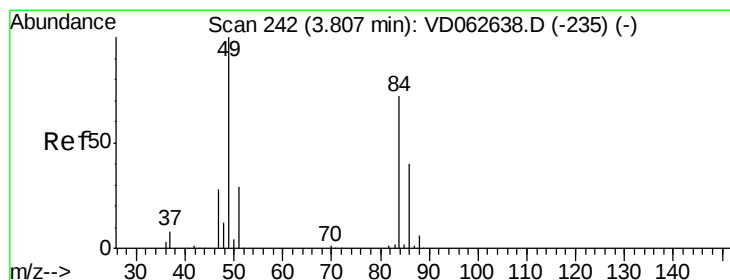
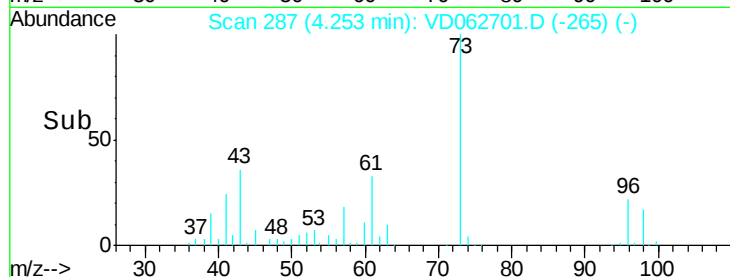
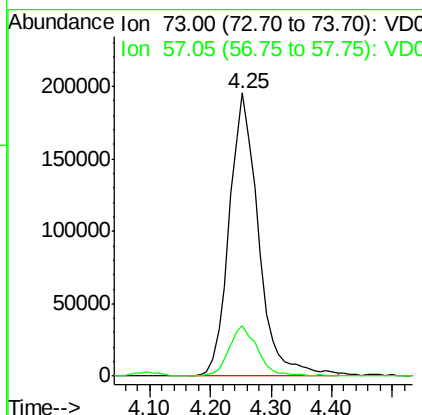
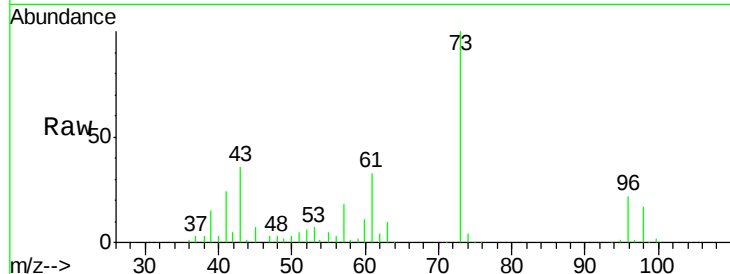




#19
Methyl tert-butyl Ether
Concen: 49.131 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

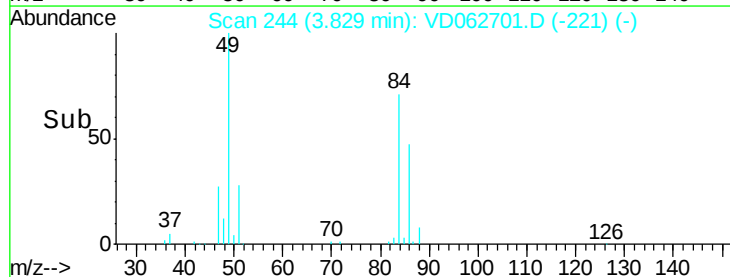
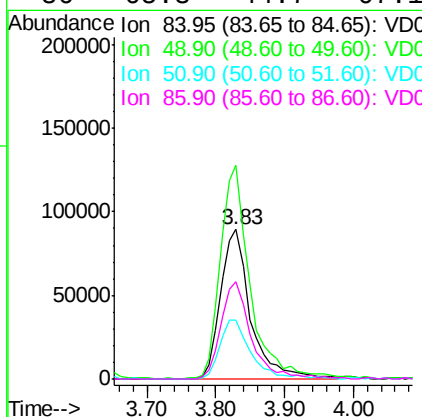
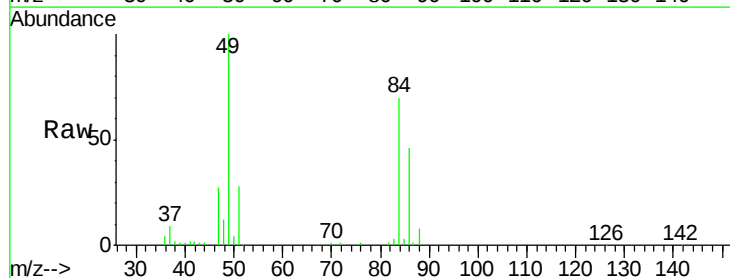
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

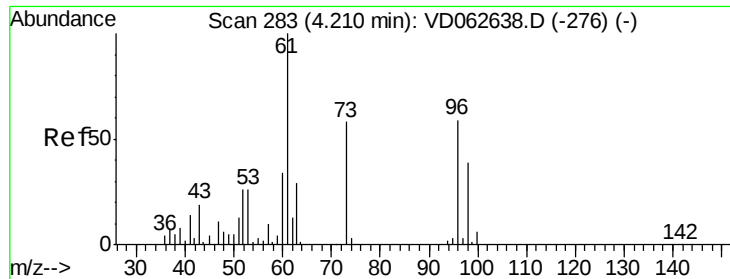
Tot Ion: 73 Resp: 656314
Ion Ratio Lower Upper
73 100
57 17.8 13.5 20.3



#20
Methylene Chloride
Concen: 43.549 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 84 Resp: 269778
Ion Ratio Lower Upper
84 100
49 142.9 111.2 166.8
51 39.8 31.9 47.9
86 65.3 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 47.441 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

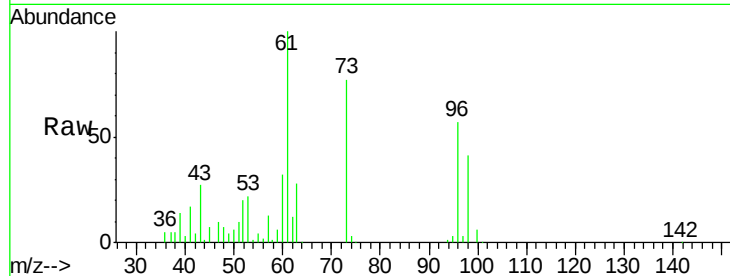
Tot Ion: 96 Resp: 285030

Ion Ratio Lower Upper

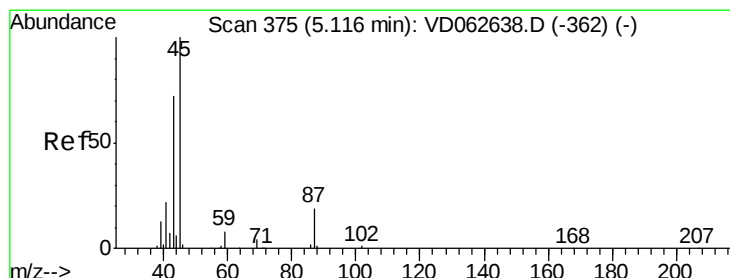
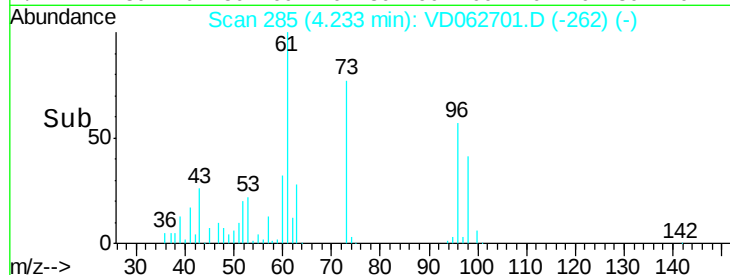
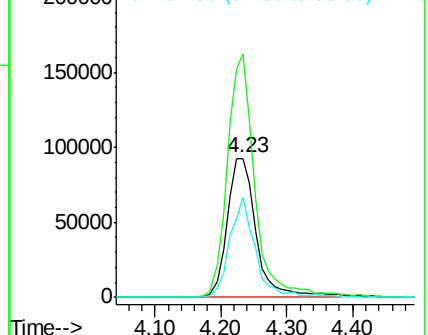
96 100

61 175.5 134.6 201.8

98 72.2 51.8 77.8



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



#22

Diisopropyl ether

Concen: 48.488 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Tgt Ion: 45 Resp: 847897

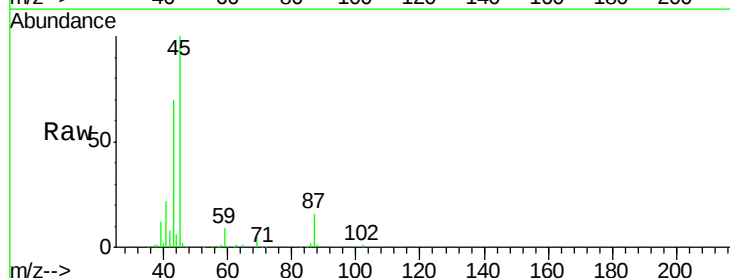
Ion Ratio Lower Upper

45 100

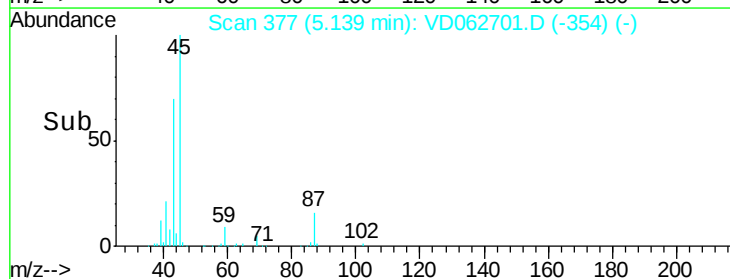
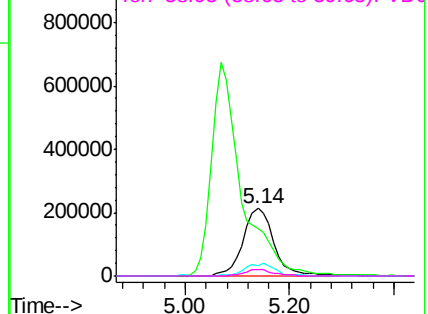
43 70.2 58.8 88.2

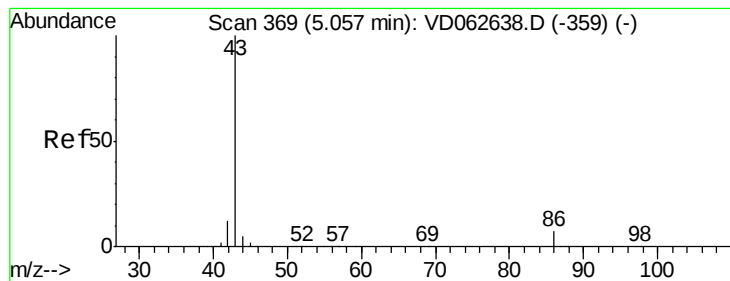
87 16.0 15.7 23.5

59 8.7 6.6 9.8



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: 246.163 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

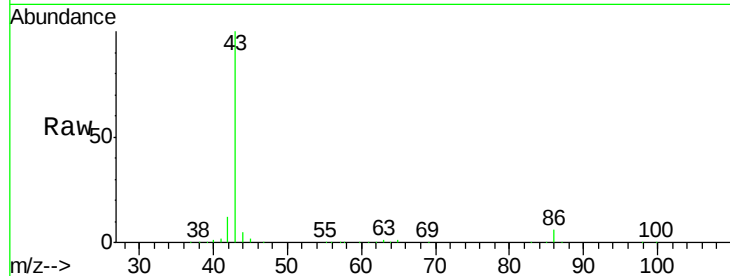
VSTDCCC050EC

Tot Ion: 43 Resp: 2670518

Ion Ratio Lower Upper

43 100

86 5.9 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

800000

600000

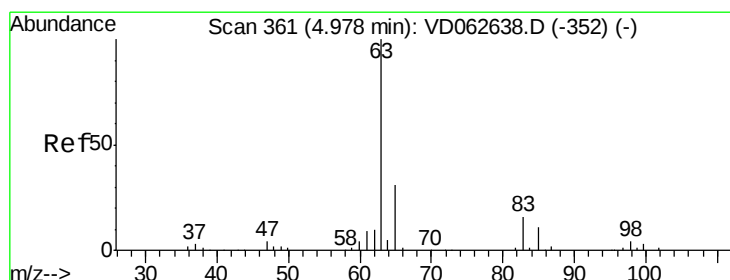
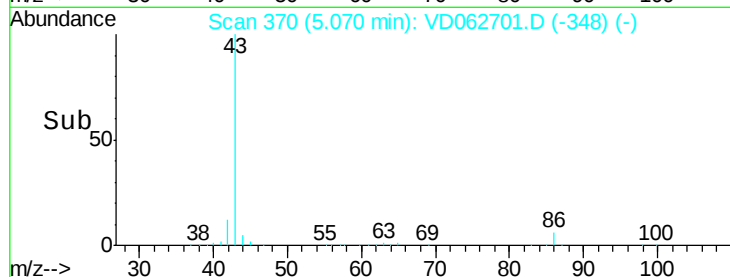
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 46.754 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

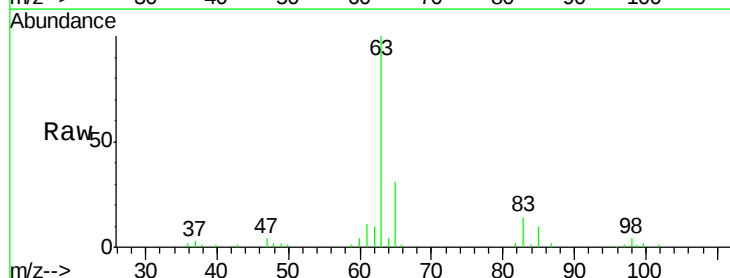
Tgt Ion: 63 Resp: 525969

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.2 1.5 4.4



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

200000

150000

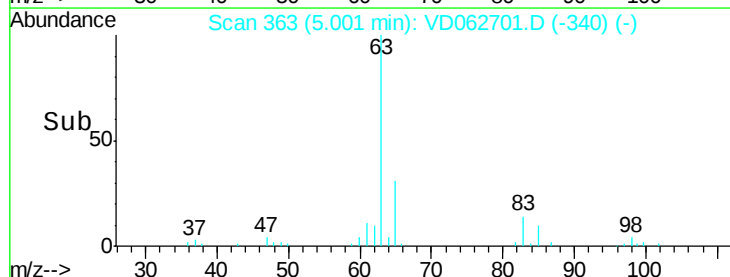
100000

50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 226.319 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

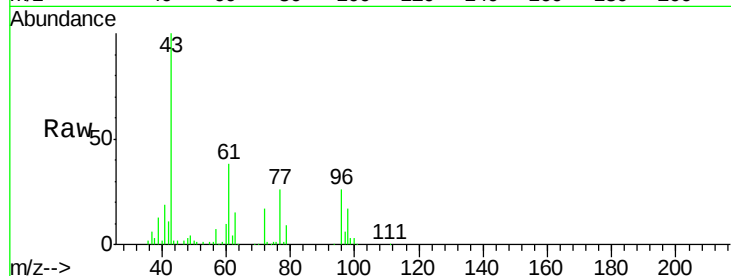
VSTDCCC050EC

Tot Ion: 43 Resp: 361537

Ion Ratio Lower Upper

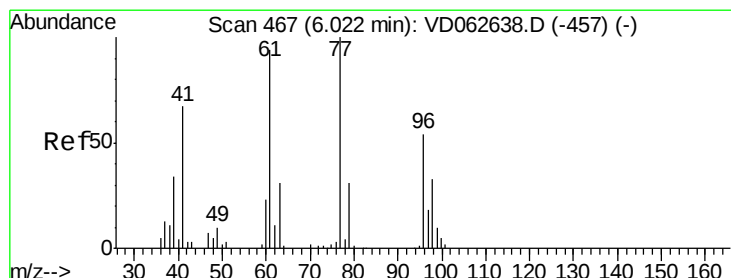
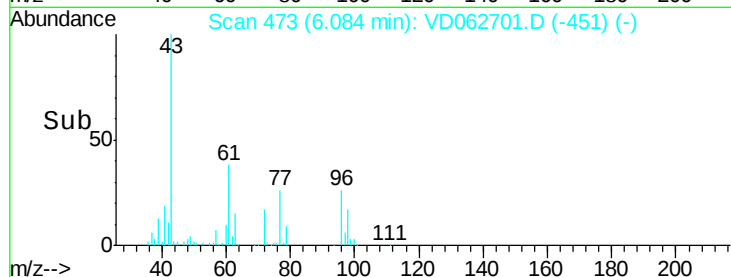
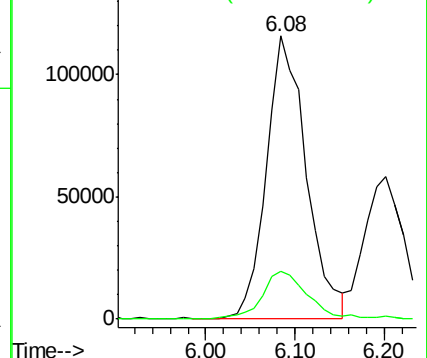
43 100

72 16.9 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.239 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062701.D

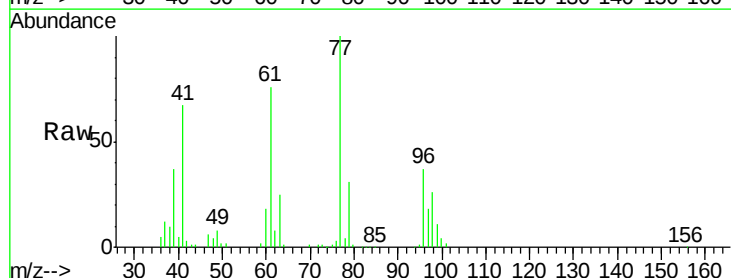
Acq: 13 Jun 2019 18:43

Tgt Ion: 77 Resp: 612476

Ion Ratio Lower Upper

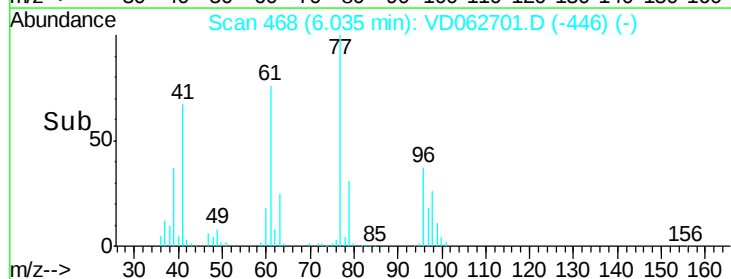
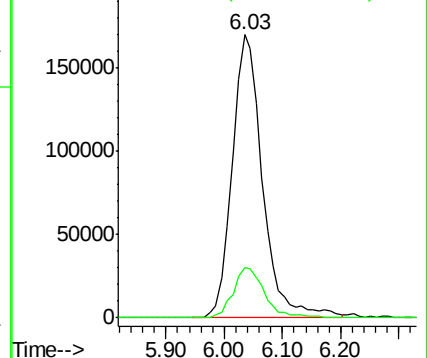
77 100

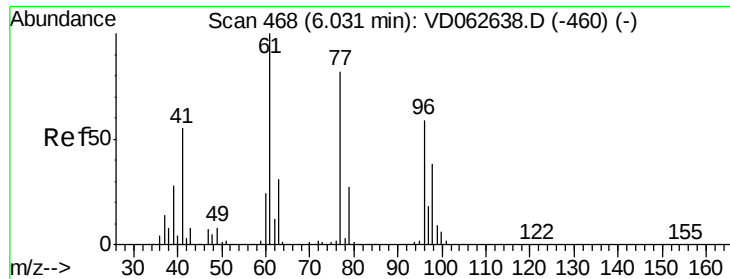
97 17.6 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

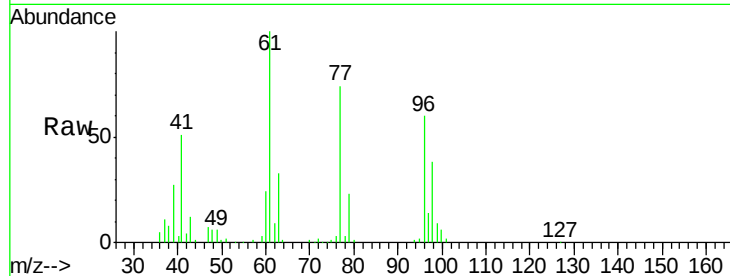




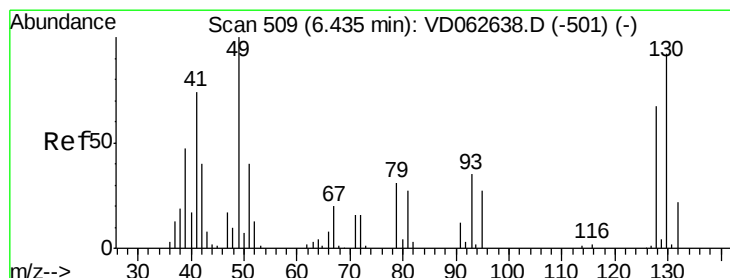
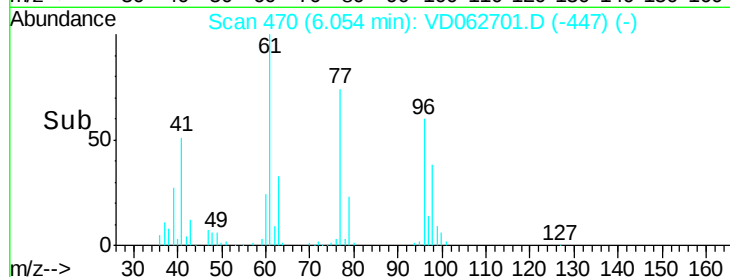
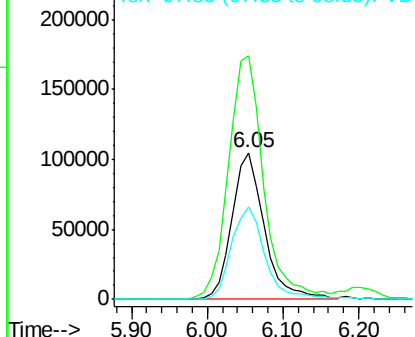
#27
 cis-1,2-Dichloroethene
 Concen: 47.738 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 310927
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 340.0
 98 62.8 0.0 127.6

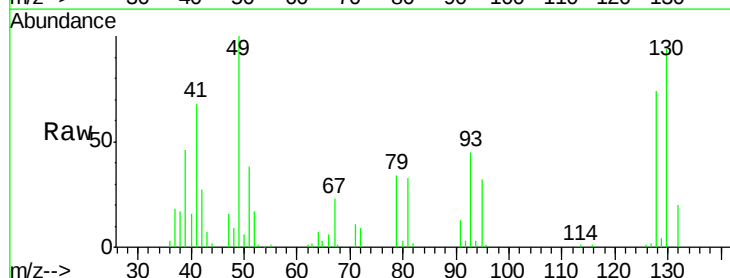


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

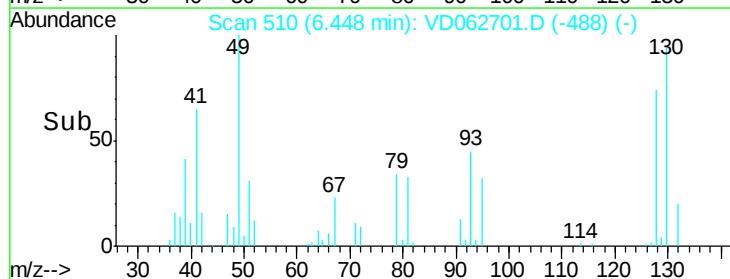
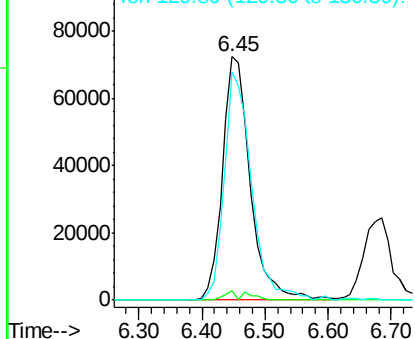


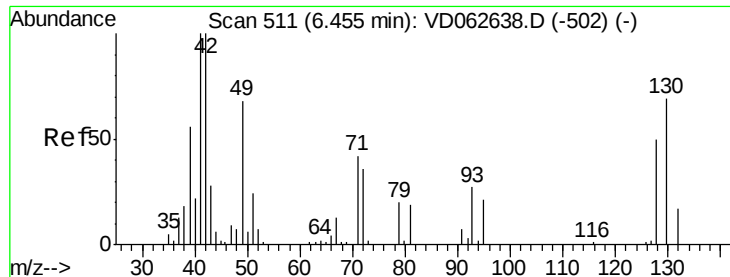
#28
 Bromochloromethane
 Concen: 51.482 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 49 Resp: 221386
 Ion Ratio Lower Upper
 49 100
 129 3.6 0.0 8.2
 130 93.6 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 222.035 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

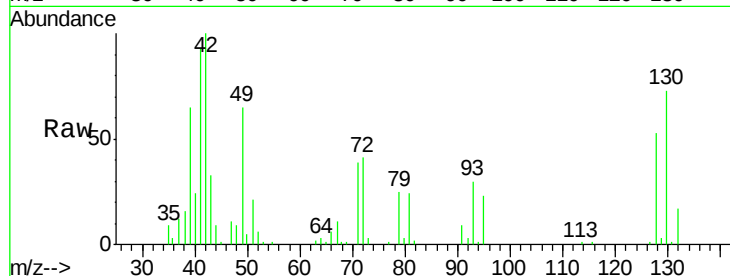
Tot Ion: 42 Resp: 159729

Ion Ratio Lower Upper

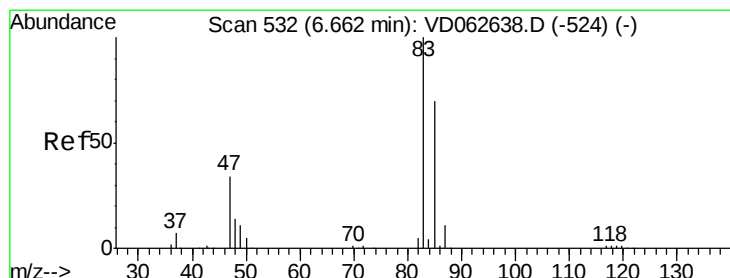
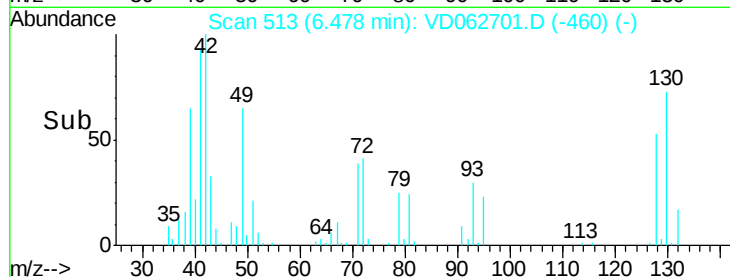
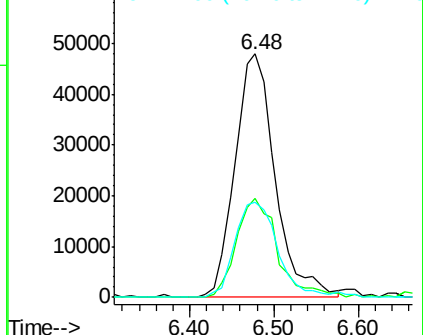
42 100

72 41.9 33.8 50.6

71 42.3 34.2 51.4



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: 50.193 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062701.D

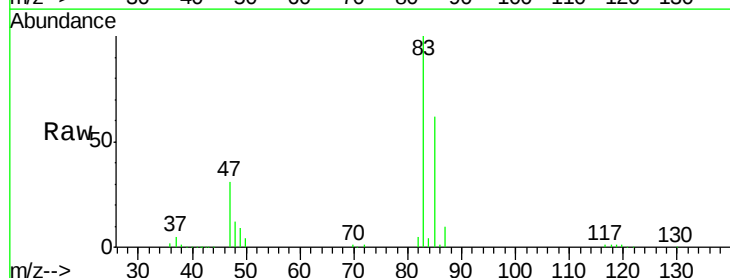
Acq: 13 Jun 2019 18:43

Tgt Ion: 83 Resp: 724456

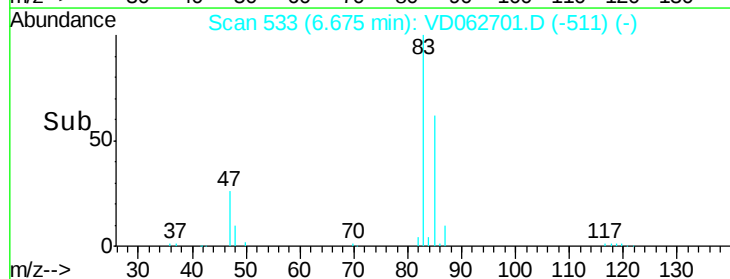
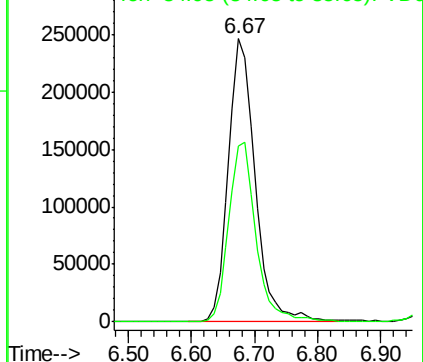
Ion Ratio Lower Upper

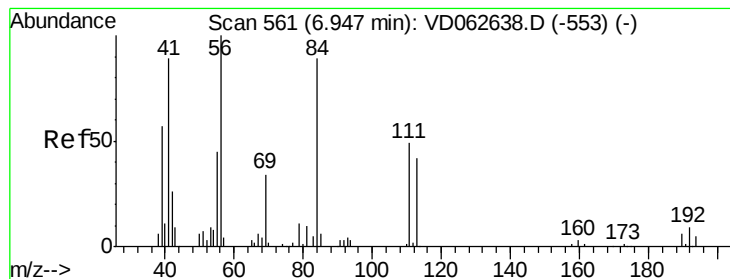
83 100

85 62.1 55.8 83.6



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





#31

Cyclohexane

Concen: 46.959 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

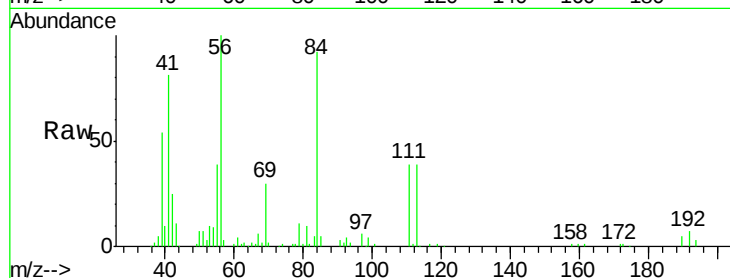
Tot Ion: 56 Resp: 331382

Ion Ratio Lower Upper

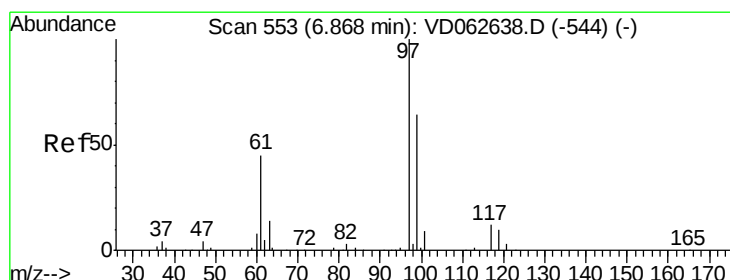
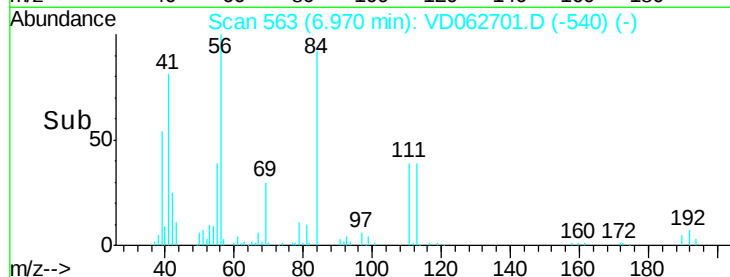
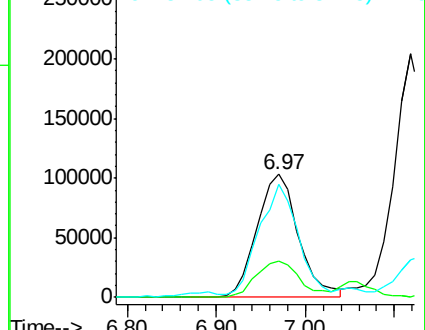
56 100

69 29.6 26.8 40.2

84 92.3 73.9 110.9



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: 51.957 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

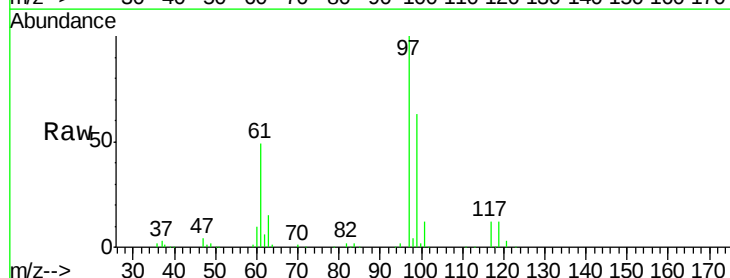
Tgt Ion: 97 Resp: 746213

Ion Ratio Lower Upper

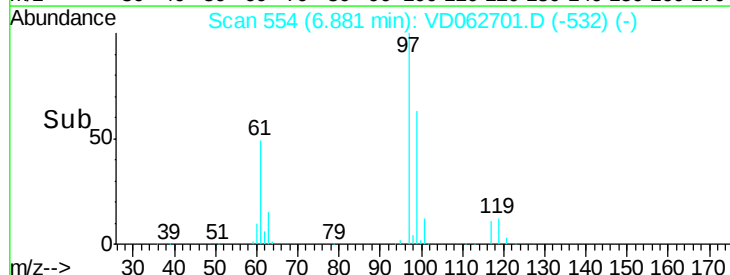
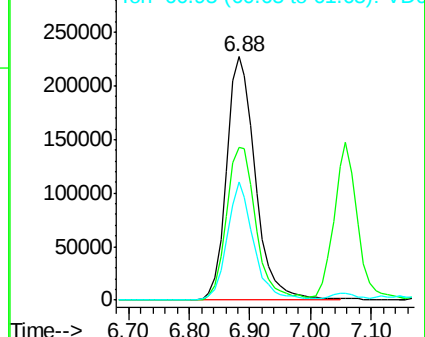
97 100

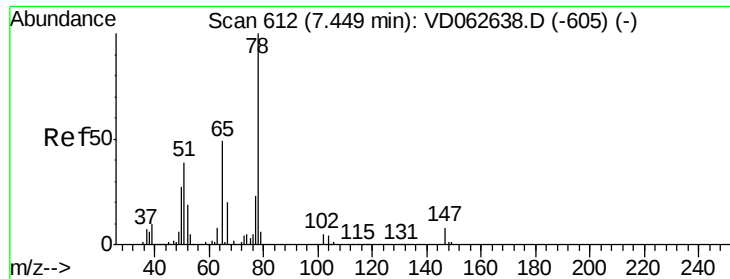
99 62.5 51.4 77.0

61 48.7 35.6 53.4



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

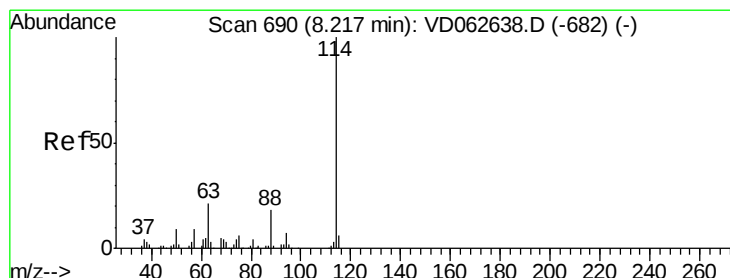
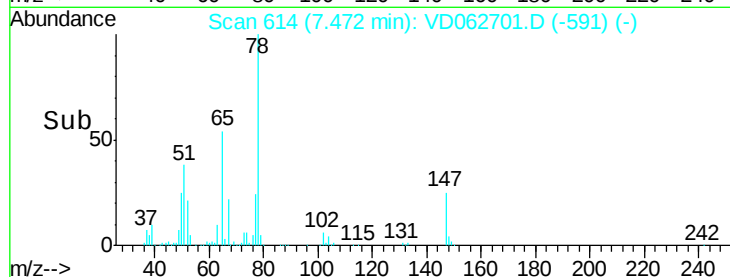
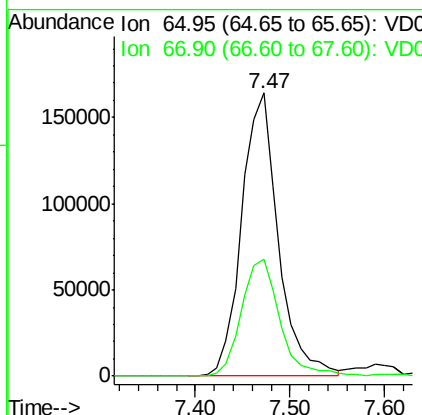
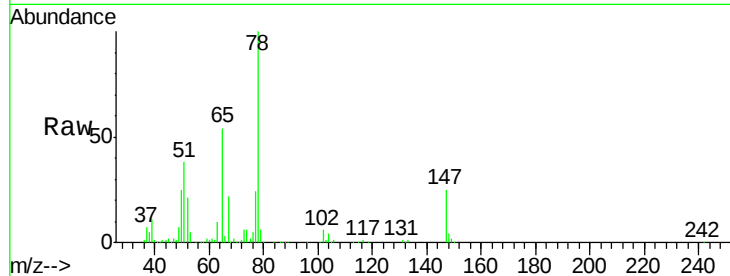




#33
 1,2-Dichloroethane-d4
 Concen: 49.385 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

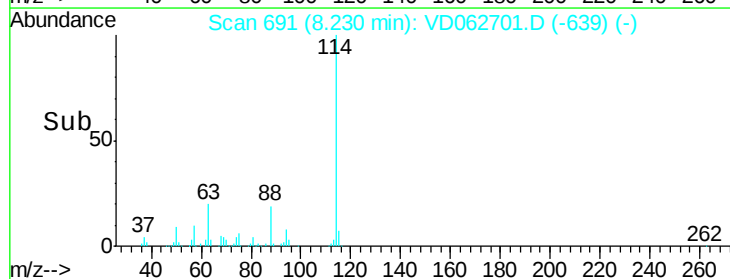
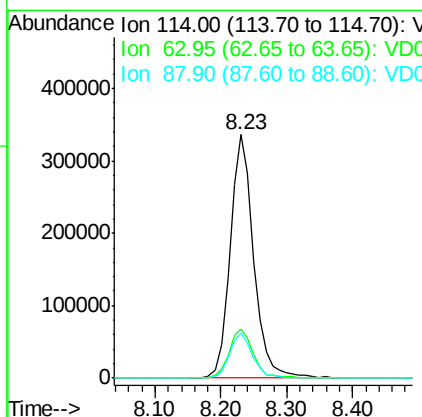
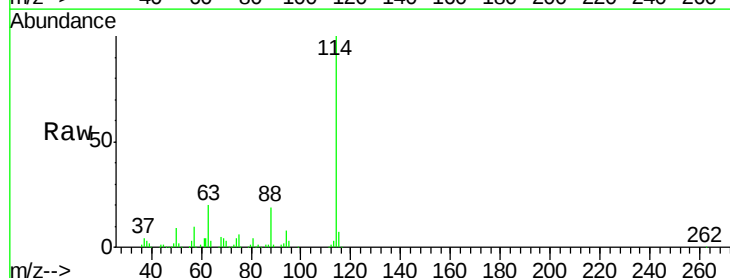
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

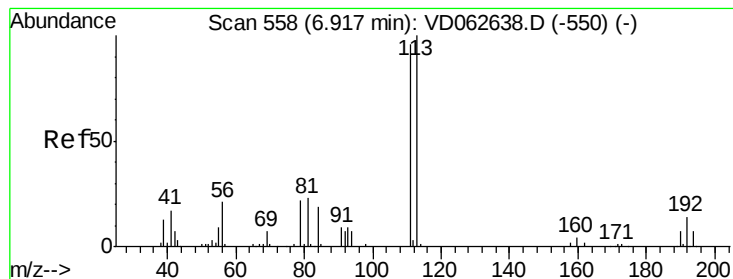
Tot Ion: 65 Resp: 441607
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 114 Resp: 835804
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 18.5 0.0 36.8





#35

Dibromofluoromethane

Concen: 52.757 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

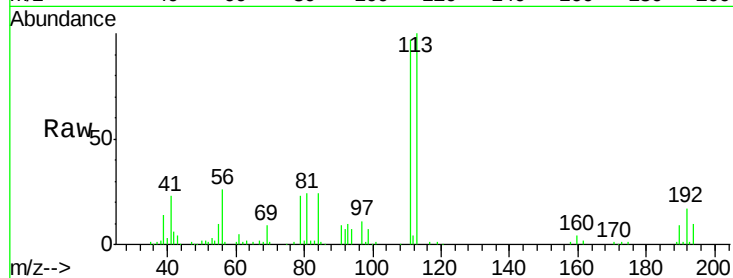
Tot Ion:113 Resp: 465033

Ion Ratio Lower Upper

113 100

111 96.9 76.4 114.6

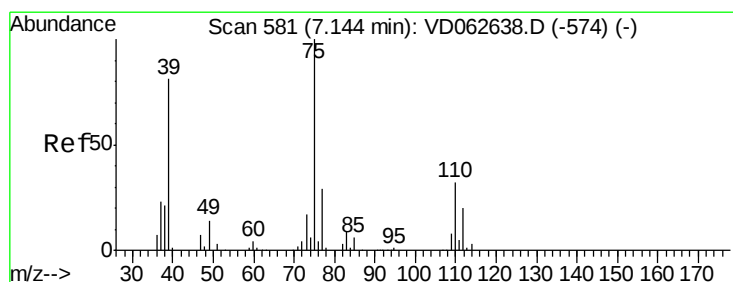
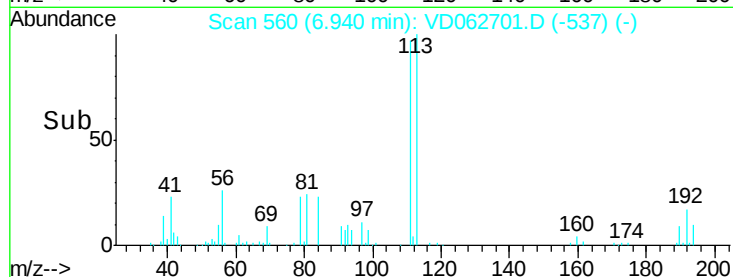
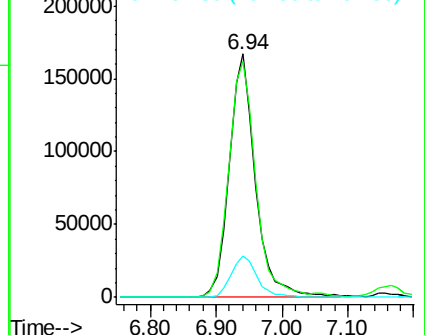
192 17.1 11.4 17.0#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.040 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

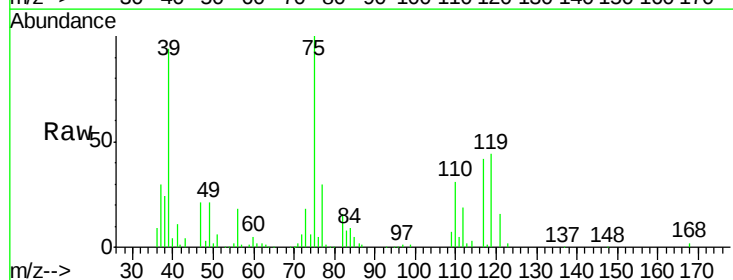
Tgt Ion: 75 Resp: 440412

Ion Ratio Lower Upper

75 100

110 31.5 15.9 47.7

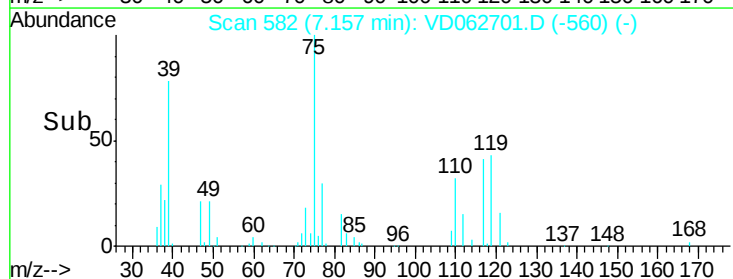
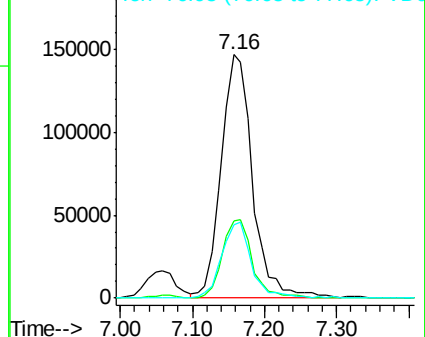
77 30.1 23.3 34.9

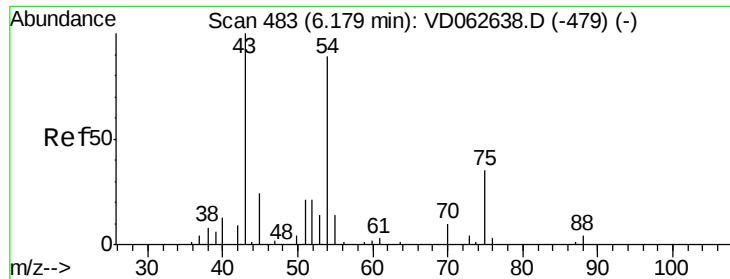


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

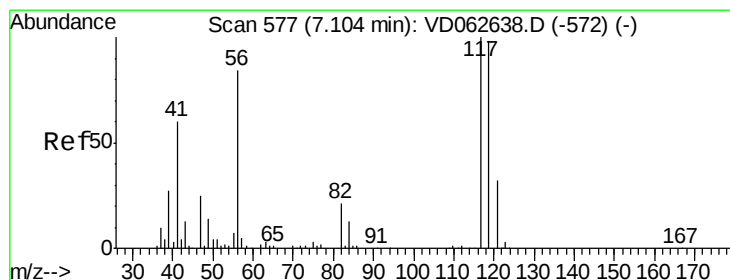
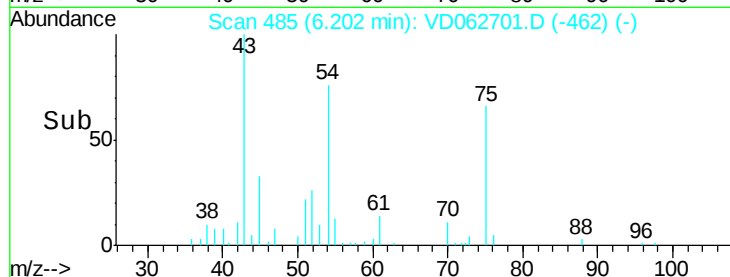
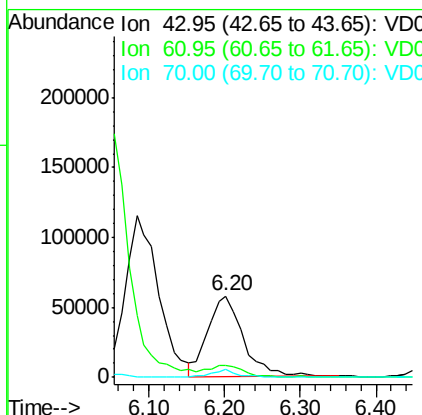
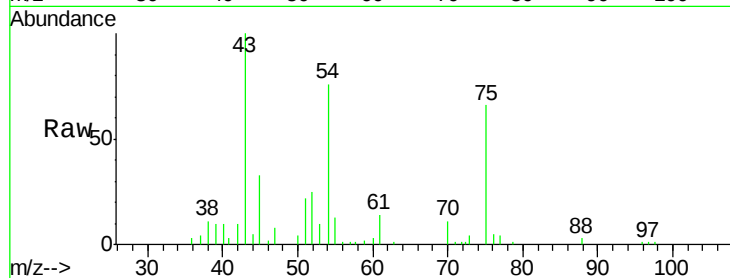




#37
Ethyl Acetate
Concen: 45.840 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

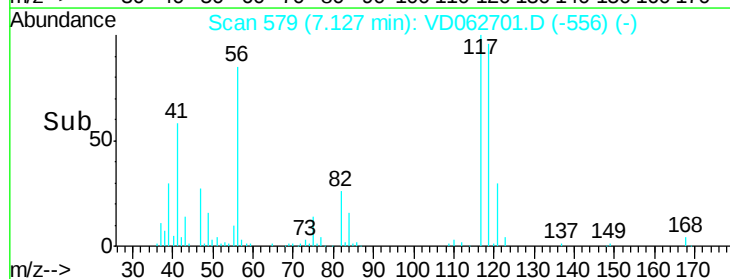
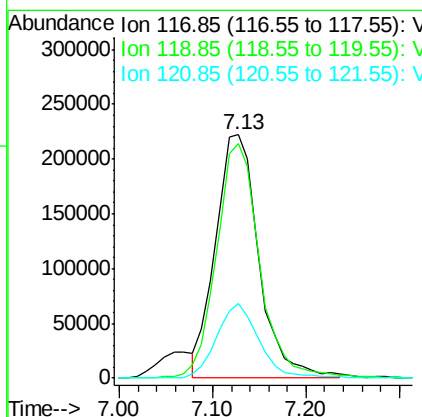
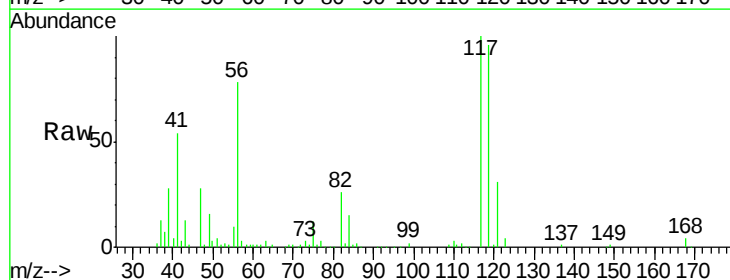
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

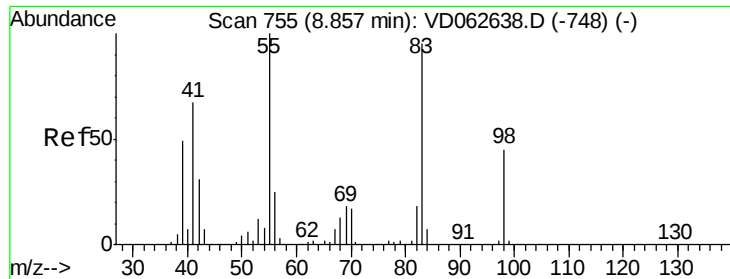
Tot Ion: 43 Resp: 186549
Ion Ratio Lower Upper
43 100
61 14.0 8.7 13.1#
70 10.6 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 47.805 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 117 Resp: 722786
Ion Ratio Lower Upper
117 100
119 96.2 73.5 110.3
121 30.7 24.2 36.4

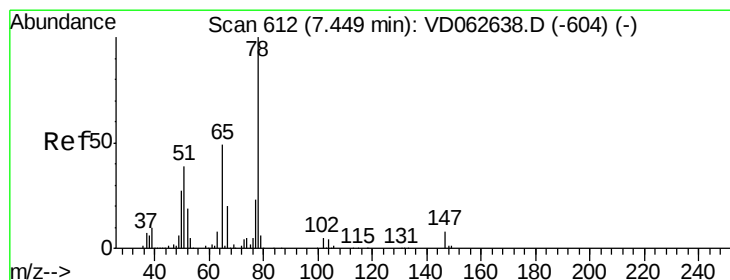
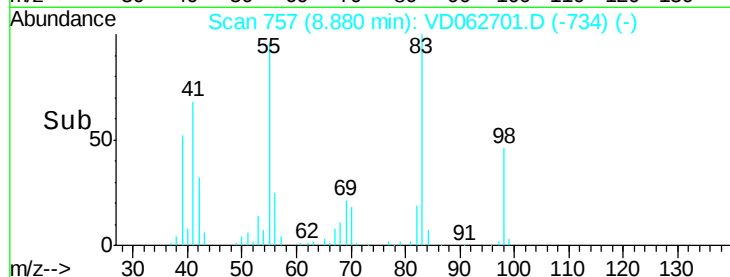
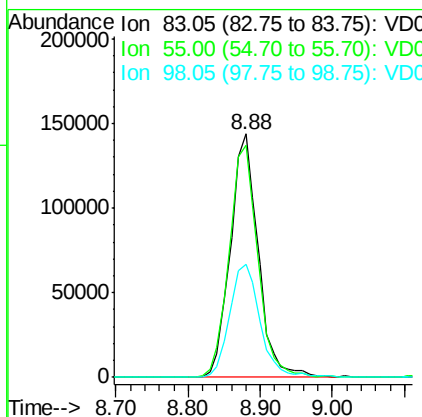
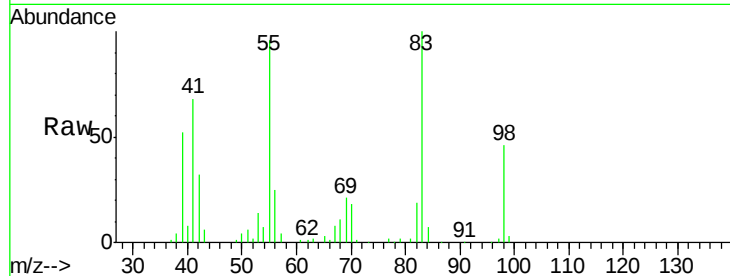




#39
Methvlcvclohexane
Concen: 50.192 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

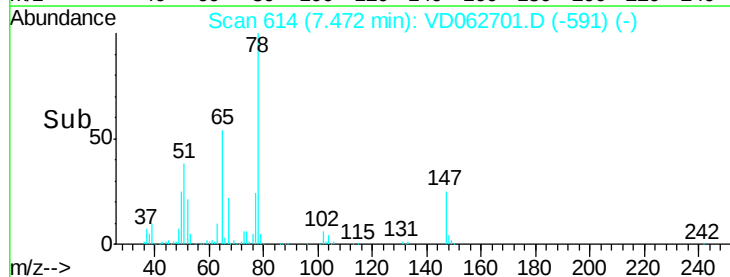
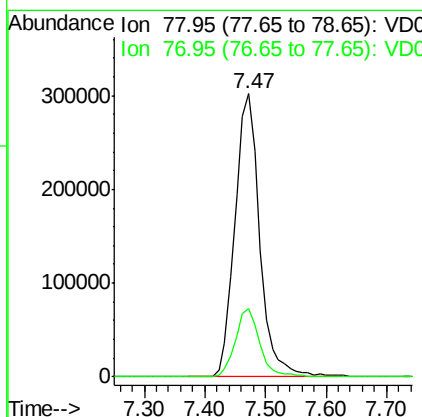
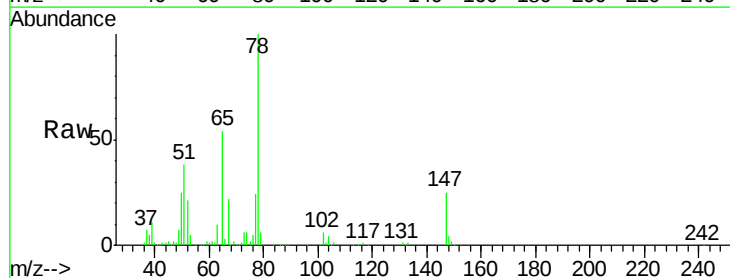
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

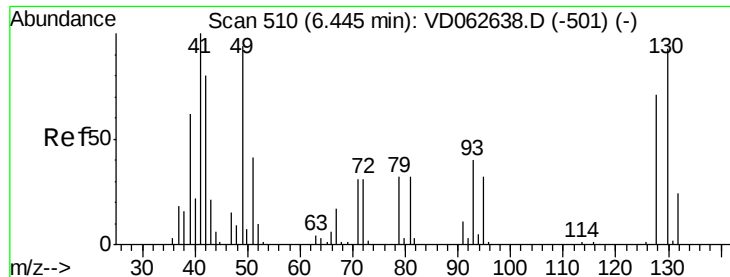
Tot Ion: 83 Resp: 387988
Ion Ratio Lower Upper
83 100
55 95.6 84.6 127.0
98 46.5 38.2 57.4



#40
Benzene
Concen: 46.073 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 78 Resp: 860680
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0





#41

Methacrylonitrile

Concen: 45.040 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 225533

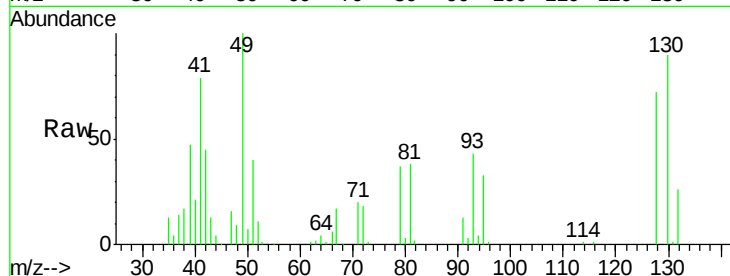
Ion Ratio Lower Upper

41 100

39 59.2 49.2 73.8

67 21.6 13.9 20.9#

52 14.5 7.6 11.4#

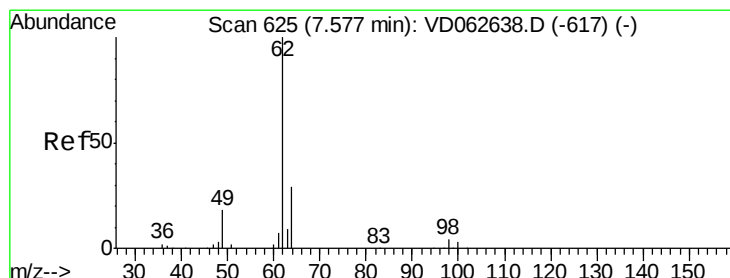
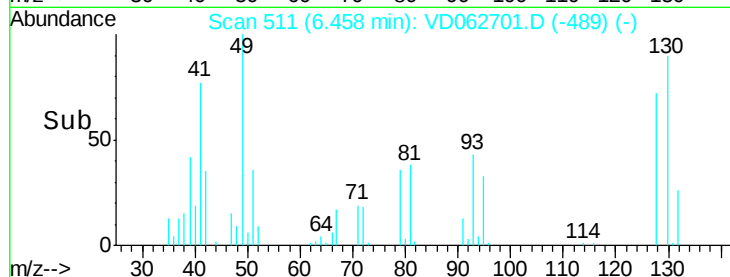
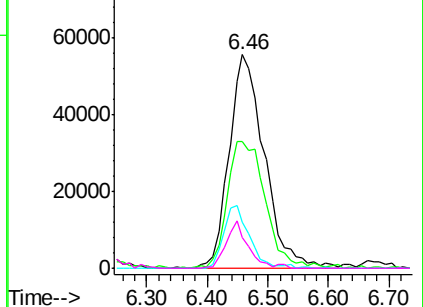


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.824 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062701.D

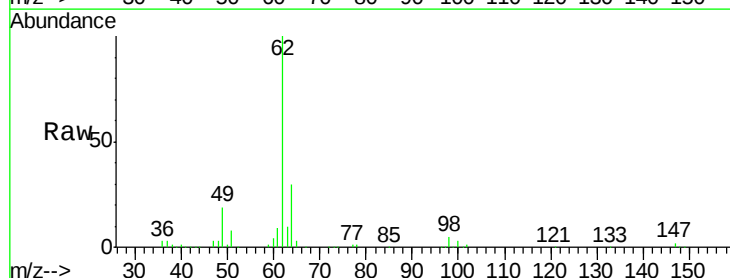
Acq: 13 Jun 2019 18:43

Tgt Ion: 62 Resp: 554772

Ion Ratio Lower Upper

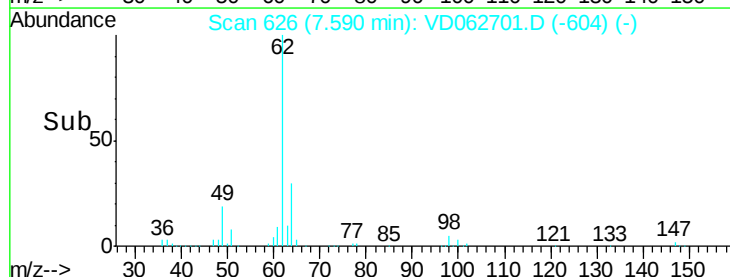
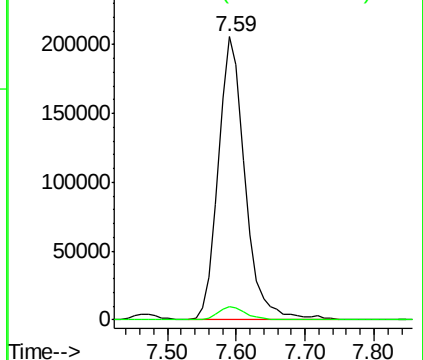
62 100

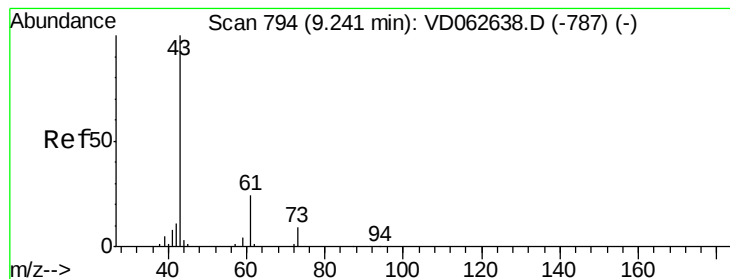
98 4.6 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



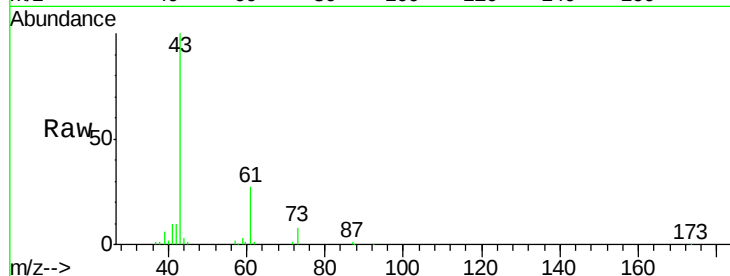


#43

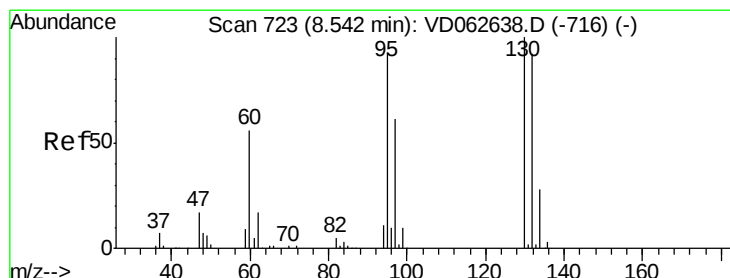
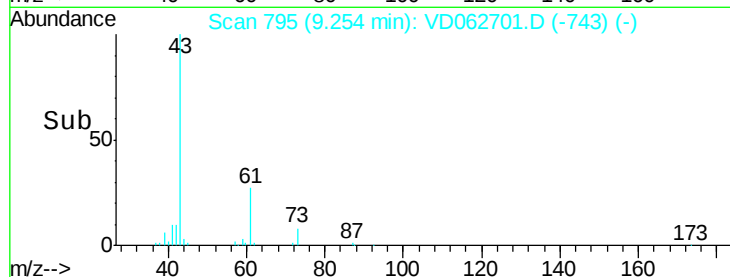
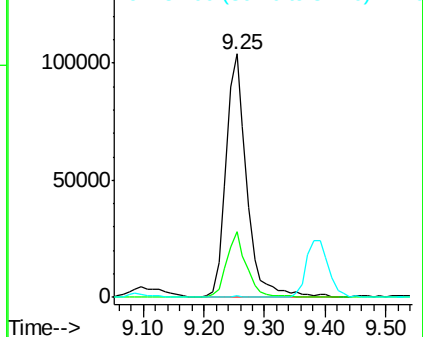
Isopropyl Acetate
 Concen: 49.272 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 248692
 Ion Ratio Lower Upper
 43 100
 61 26.9 19.0 28.6
 87 0.9 0.3 0.5#



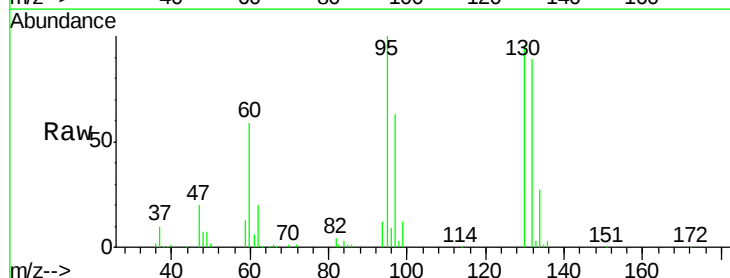
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



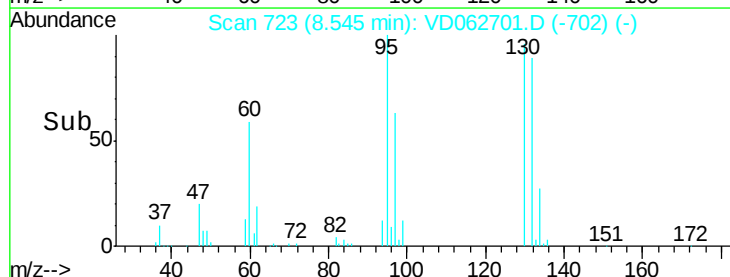
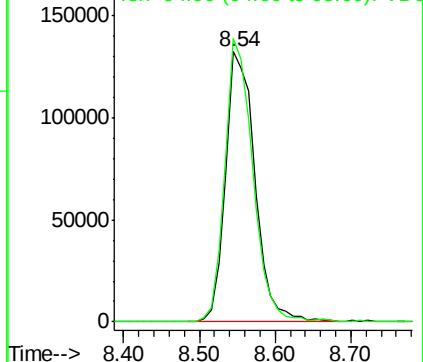
#44

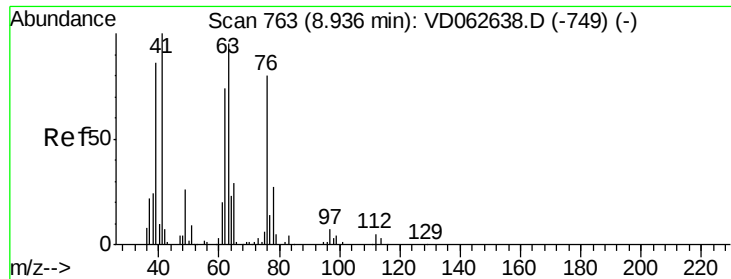
Trichloroethene
 Concen: 46.946 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 130 Resp: 356036
 Ion Ratio Lower Upper
 130 100
 95 104.6 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 48.452 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

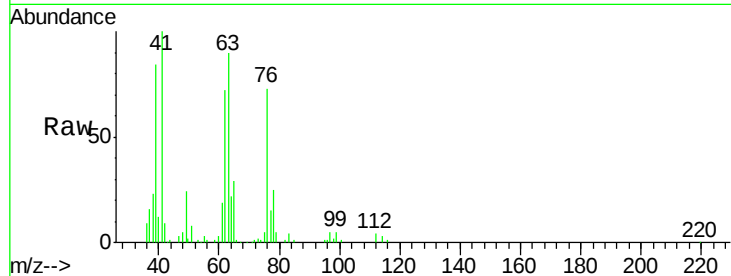
VSTDCCC050EC

Tot Ion: 63 Resp: 217409

Ion Ratio Lower Upper

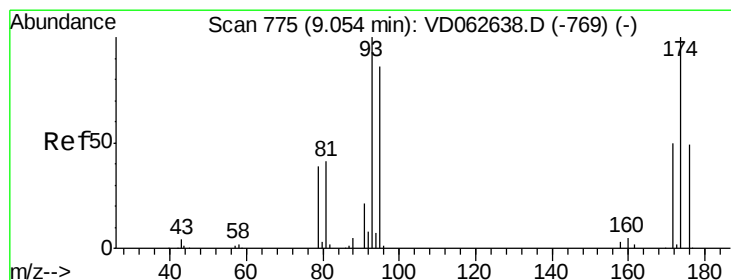
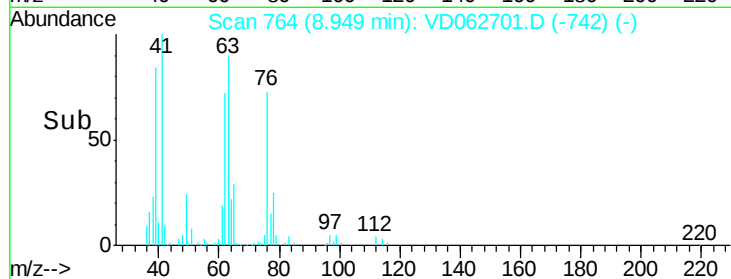
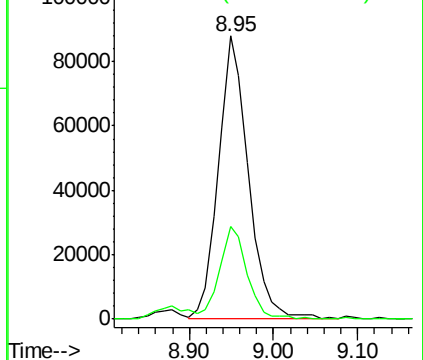
63 100

65 32.8 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.734 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

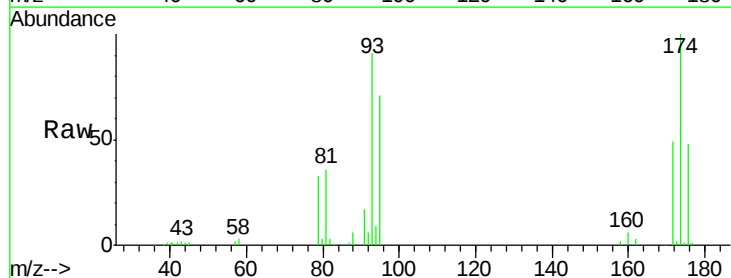
Tgt Ion: 93 Resp: 214022

Ion Ratio Lower Upper

93 100

95 78.6 68.7 103.1

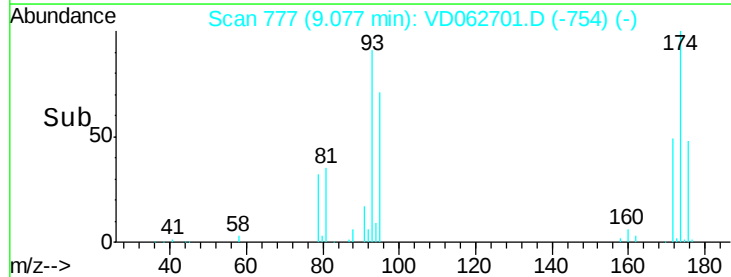
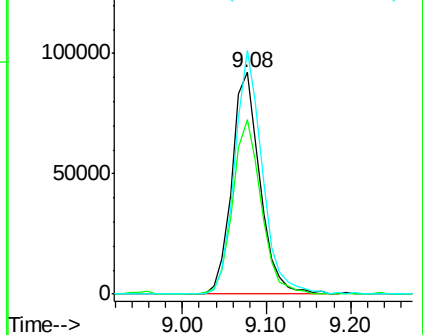
174 110.0 79.8 119.8

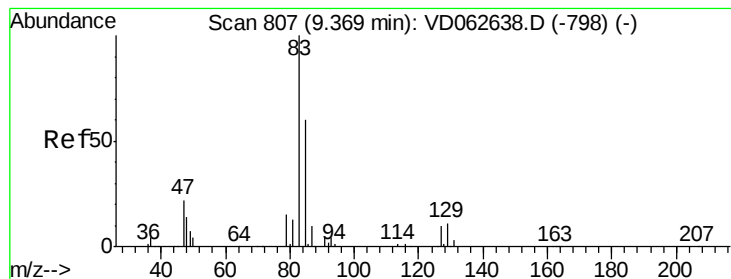


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.982 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

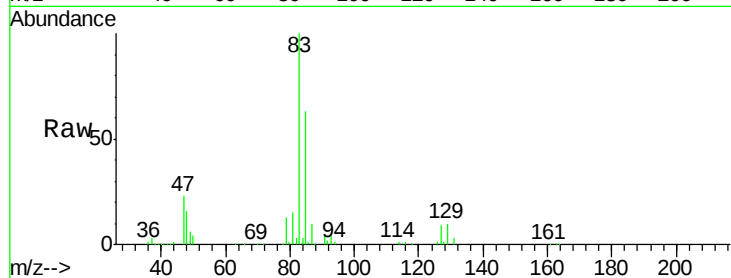
Tot Ion: 83 Resp: 595723

Ion Ratio Lower Upper

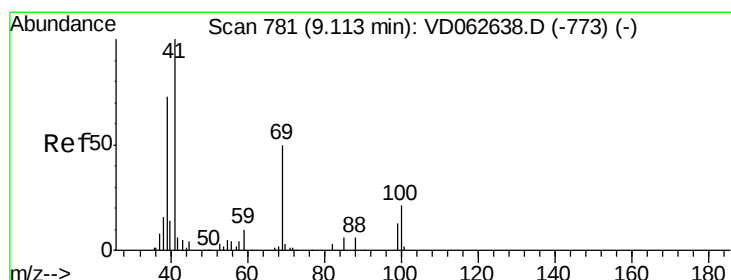
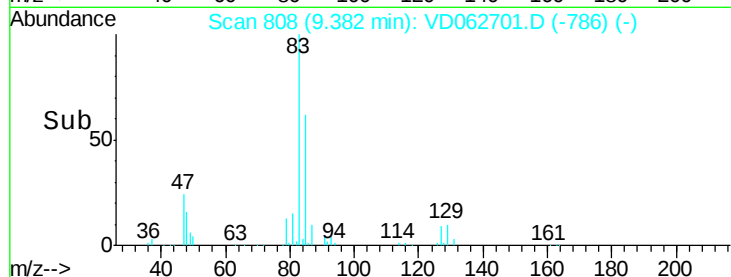
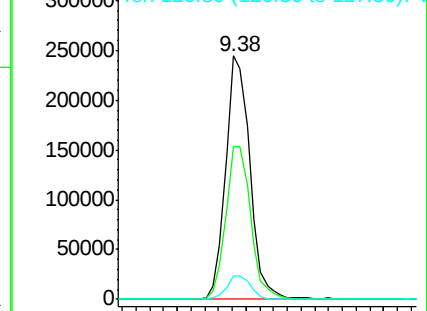
83 100

85 62.7 47.9 71.9

127 9.4 8.2 12.4



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



#48

Methyl methacrylate

Concen: 47.138 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

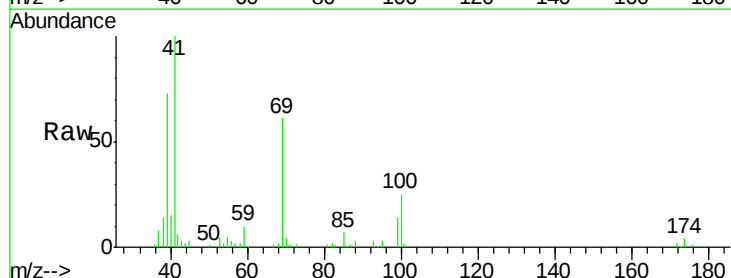
Tgt Ion: 41 Resp: 171886

Ion Ratio Lower Upper

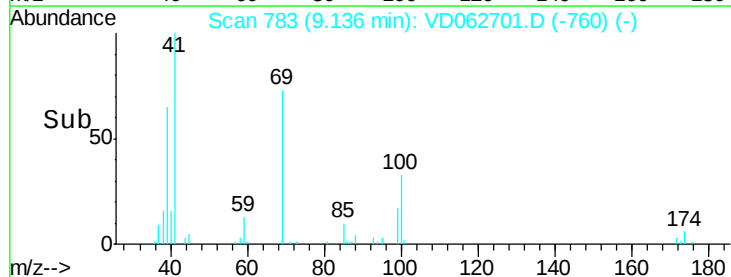
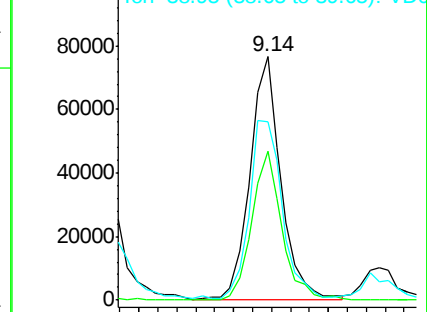
41 100

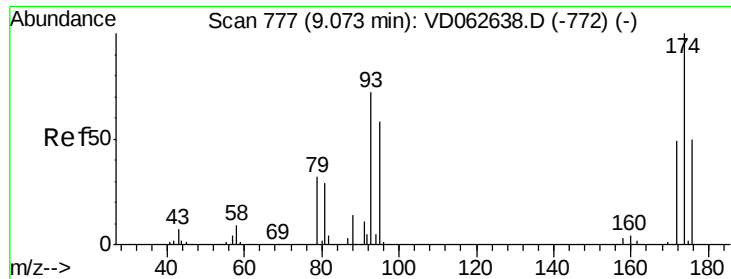
69 61.2 39.8 59.6#

39 73.5 59.1 88.7



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

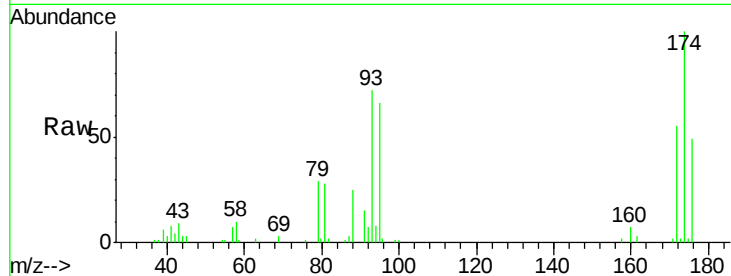




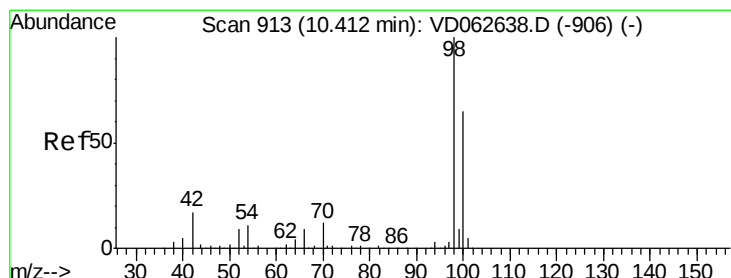
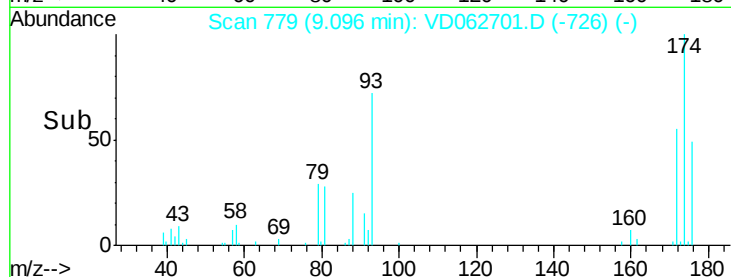
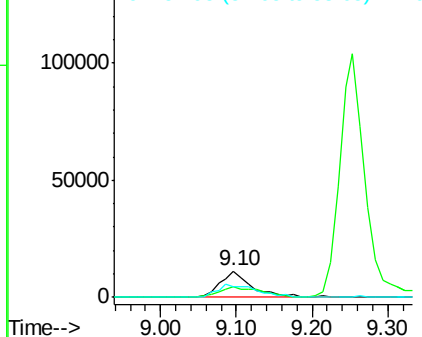
#49
1,4-Dioxane
Concen: 999.905 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 32604
Ion Ratio Lower Upper
88 100
43 37.8 40.7 61.1#
58 41.9 54.2 81.4#

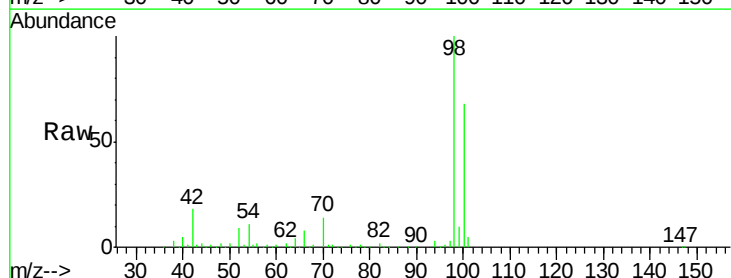


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

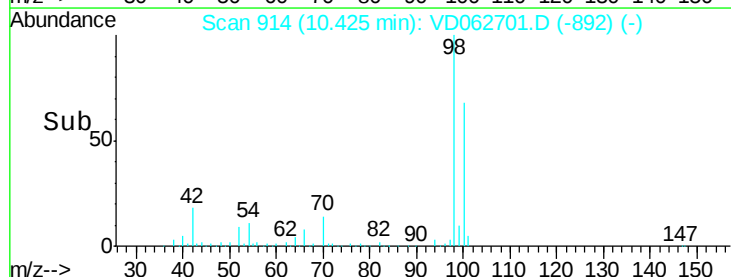
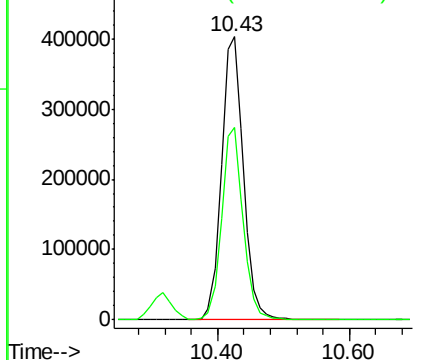


#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 98 Resp: 933442
Ion Ratio Lower Upper
98 100
100 68.2 52.1 78.1



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: 240.607 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

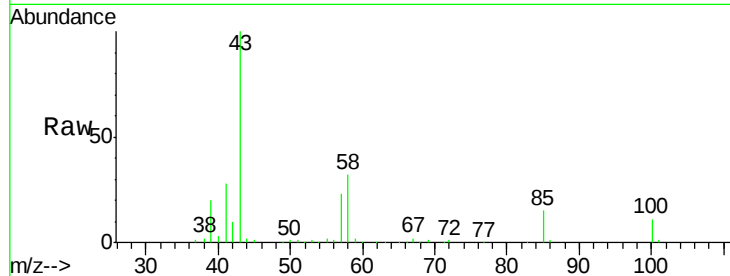
VSTDCCC050EC

Tot Ion: 43 Resp: 849751

Ion Ratio Lower Upper

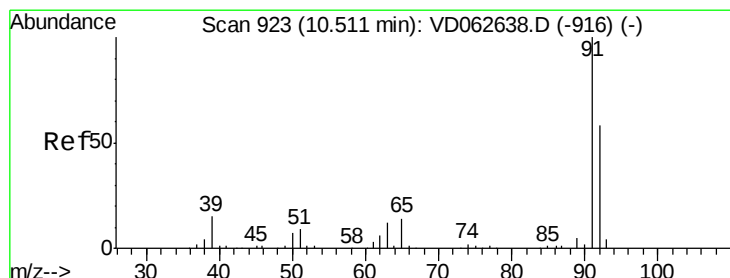
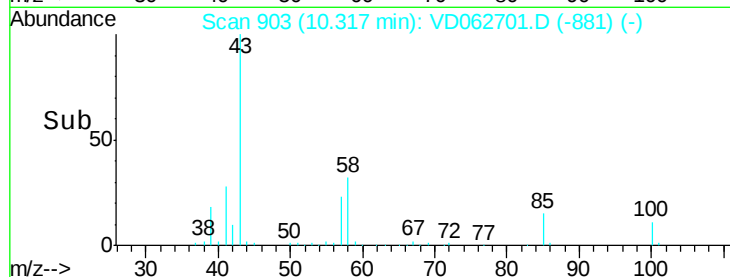
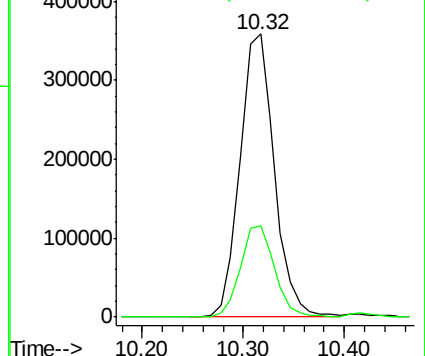
43 100

58 32.4 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.618 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062701.D

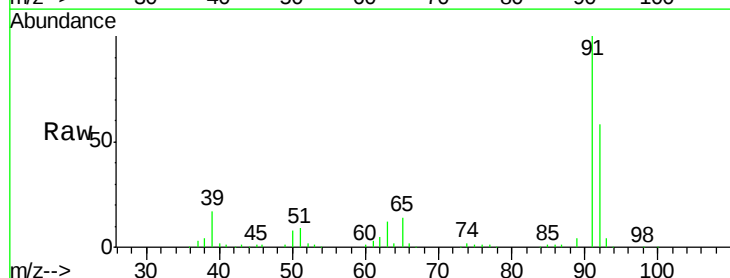
Acq: 13 Jun 2019 18:43

Tgt Ion: 92 Resp: 623055

Ion Ratio Lower Upper

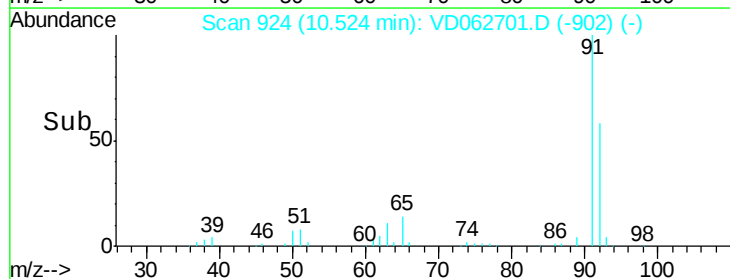
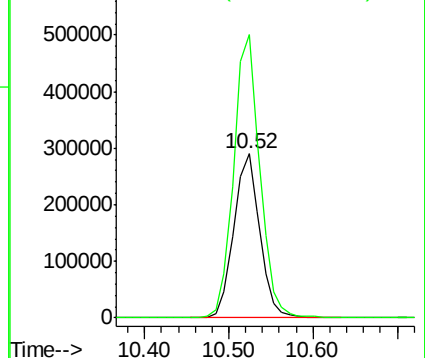
92 100

91 172.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

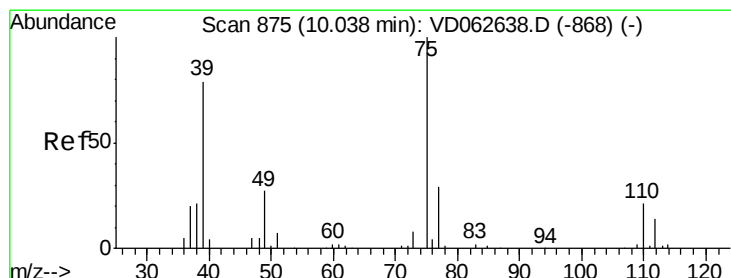
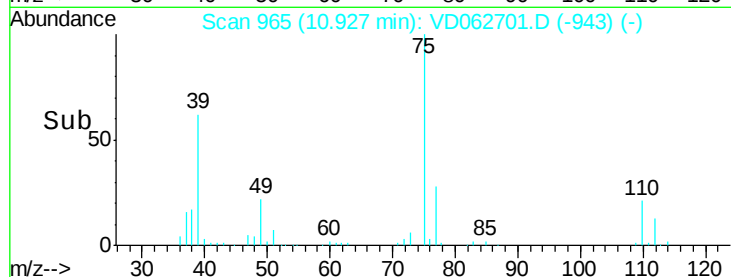
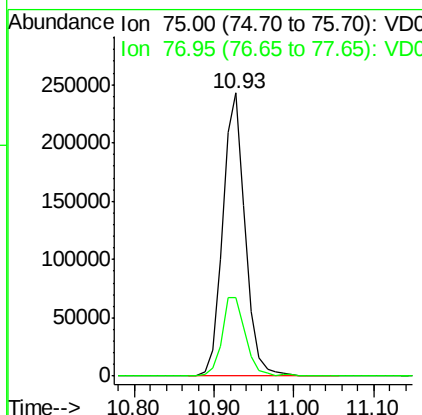
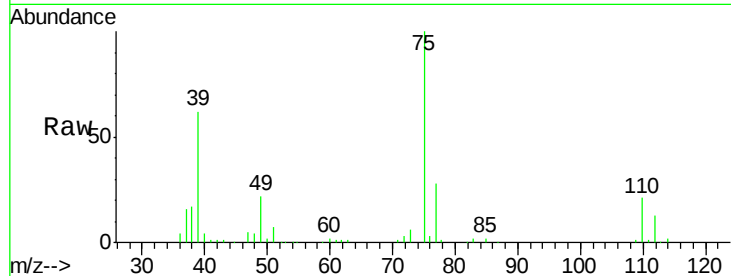




#53
 t-1,3-Dichloropropene
 Concen: 53.973 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

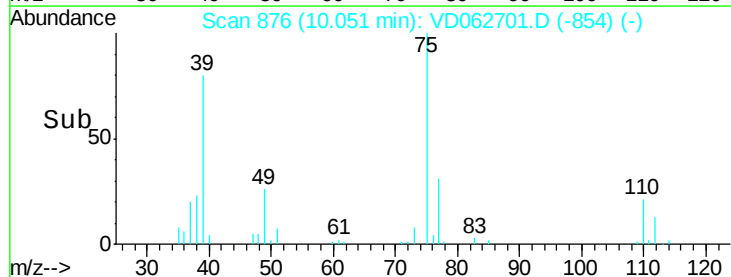
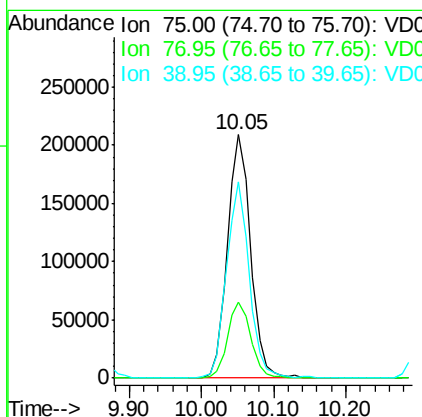
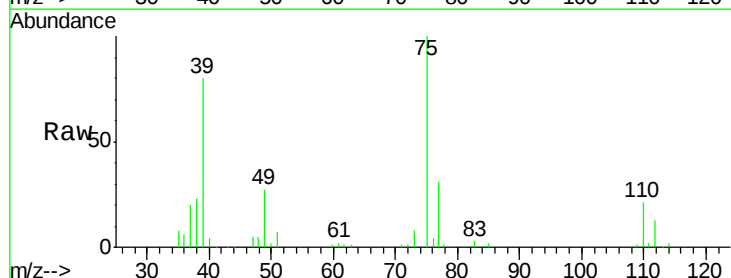
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

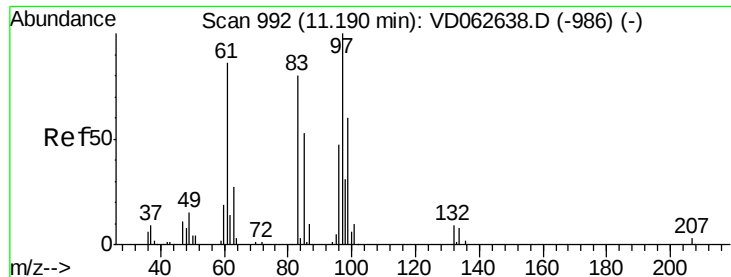
Tot Ion: 75 Resp: 479460
 Ion Ratio Lower Upper
 75 100
 77 27.8 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 51.145 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 75 Resp: 469581
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.1 34.7
 39 80.4 63.4 95.2

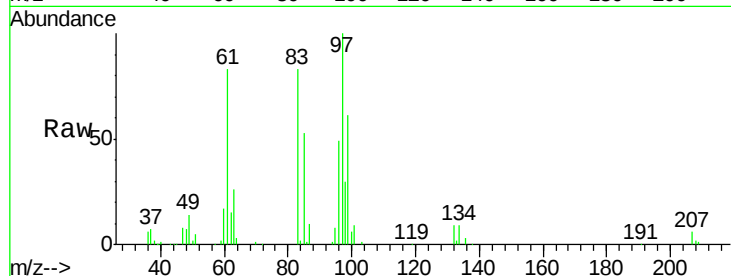




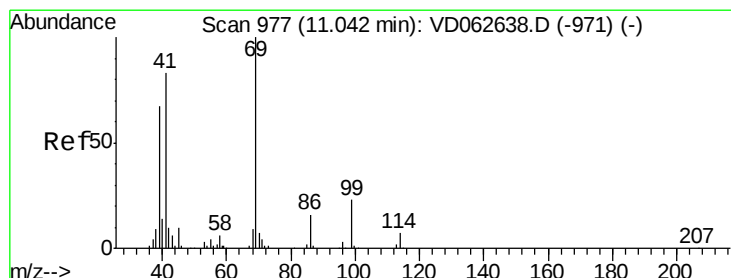
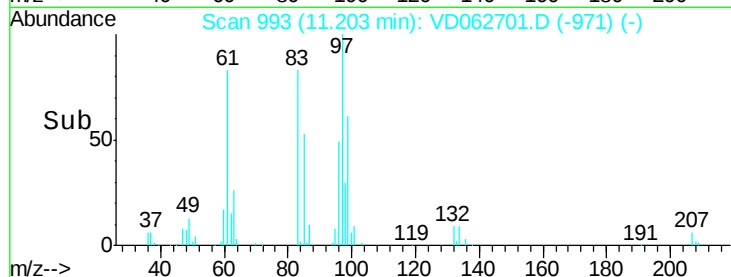
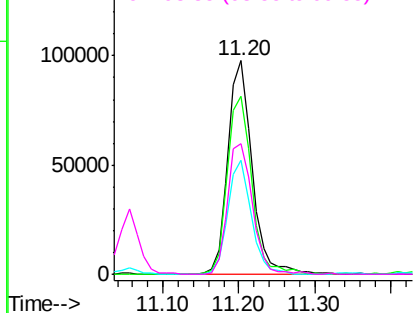
#55
 1,1,2-Trichloroethane
 Concen: 50.287 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	216555
Ion	Ratio	Lower	Upper
97	100		
83	83.2	63.8	95.8
85	53.1	42.3	63.5
99	61.2	48.0	72.0

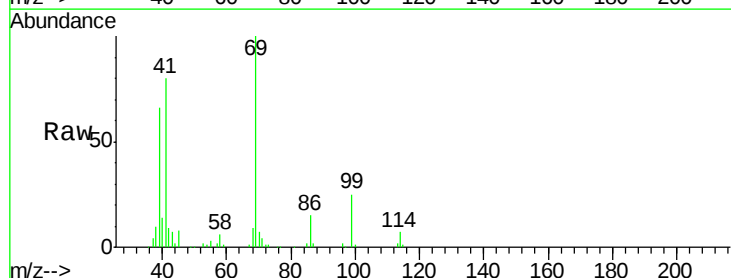


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

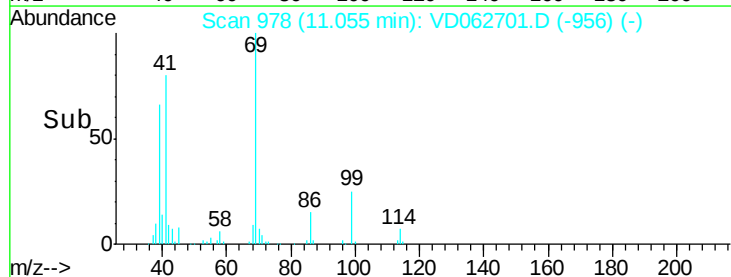
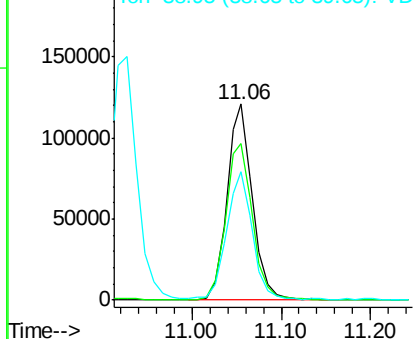


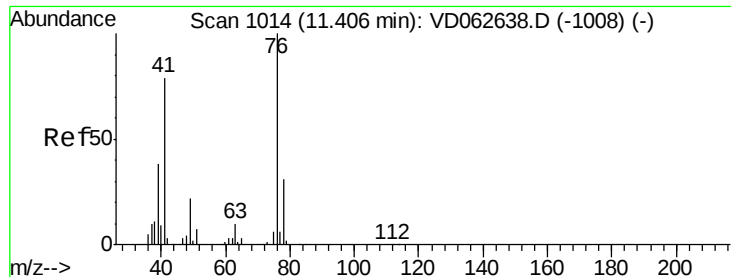
#56
 Ethyl methacrylate
 Concen: 46.637 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion:	69	Resp:	240488
Ion	Ratio	Lower	Upper
69	100		
41	79.9	66.2	99.4
39	65.8	53.8	80.8



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: 53.659 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

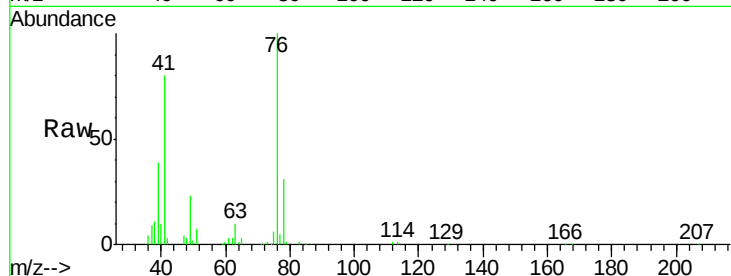
VSTDCCC050EC

Tot Ion: 76 Resp: 358144

Ion Ratio Lower Upper

76 100

78 30.7 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

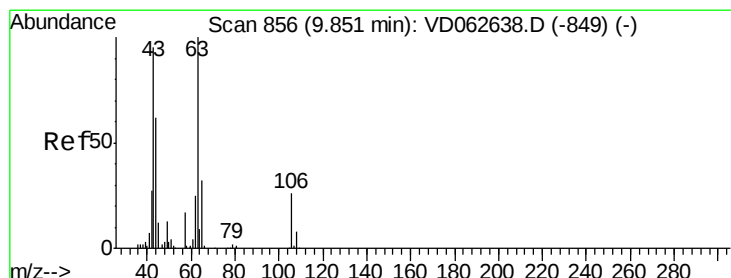
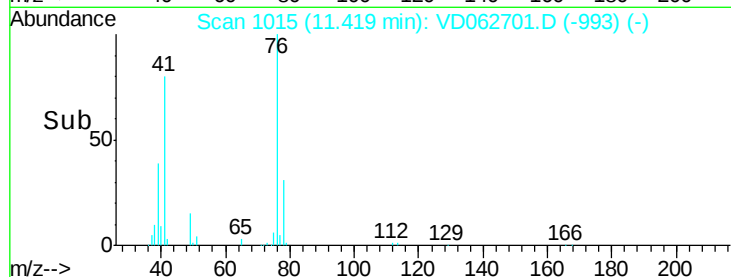
150000

100000

50000

0

Time--> 11.30 11.40 11.50 11.60



#58

2-Chloroethyl Vinyl ether

Concen: 240.208 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062701.D

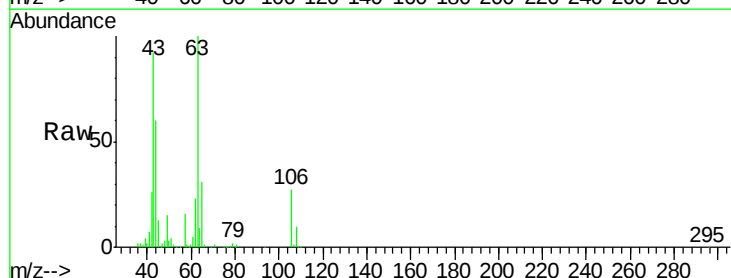
Acq: 13 Jun 2019 18:43

Tgt Ion: 63 Resp: 552871

Ion Ratio Lower Upper

63 100

106 27.2 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

300000

250000

200000

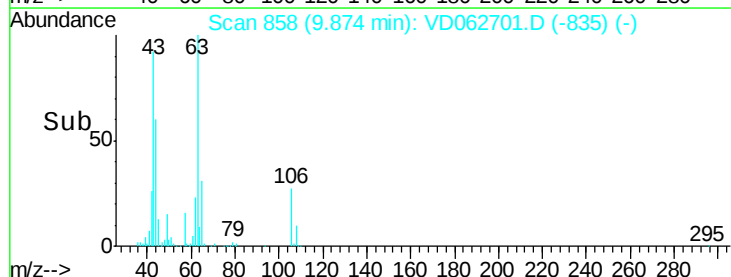
150000

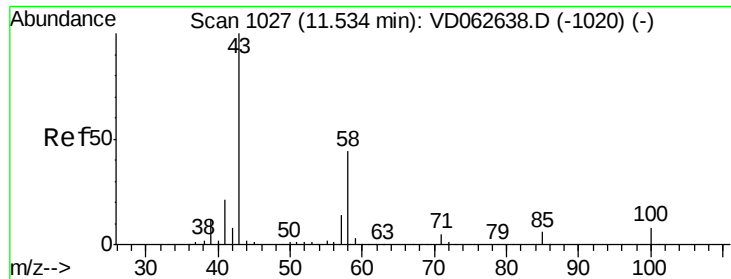
100000

50000

0

Time--> 9.80 10.00

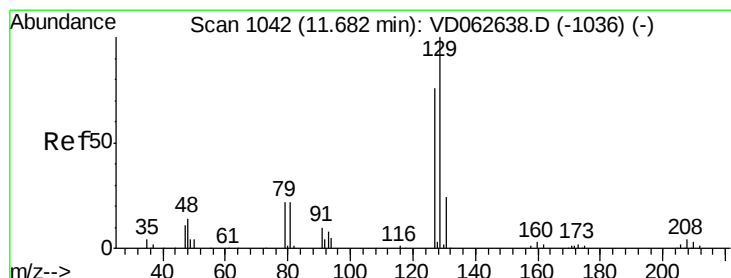
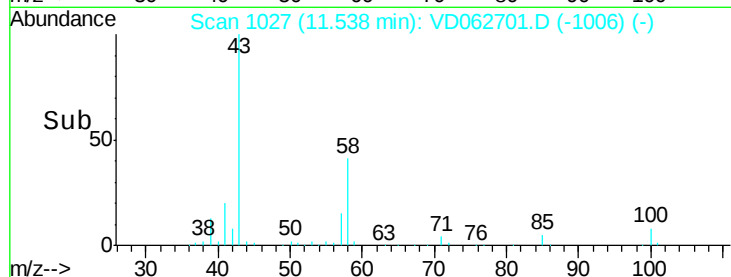
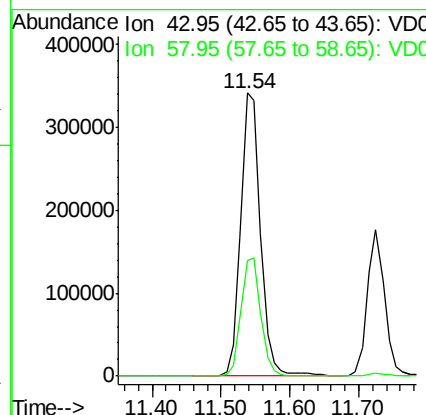
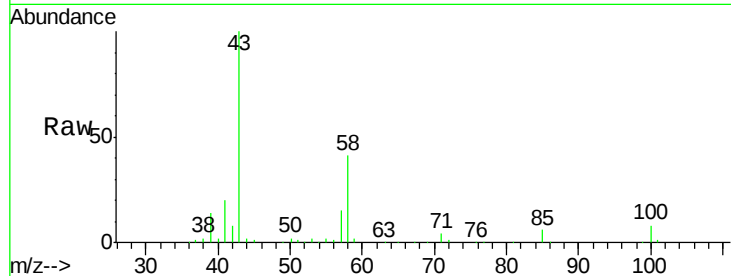




#59
2-Hexanone
Concen: 259.169 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

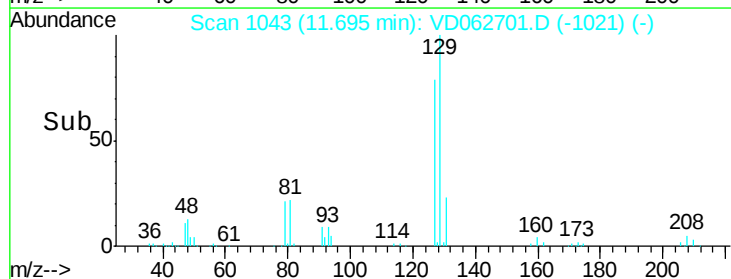
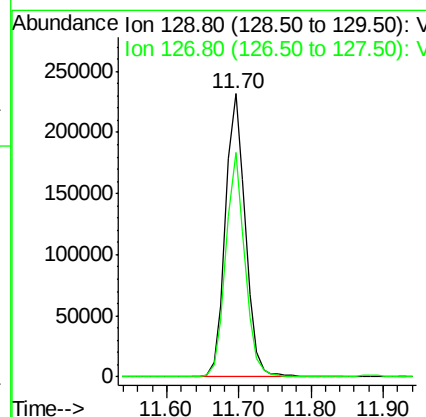
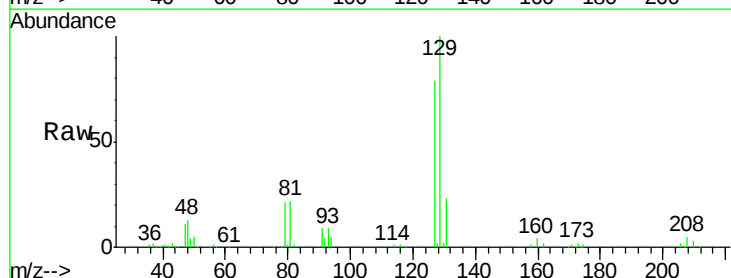
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

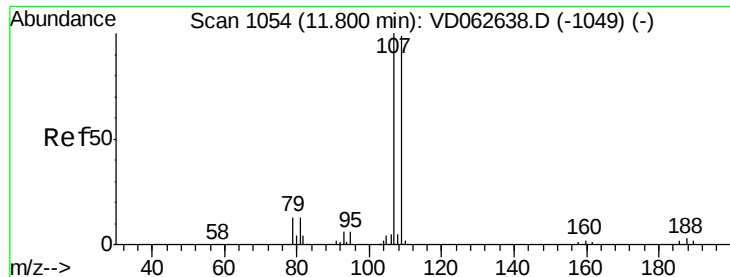
Tot Ion: 43 Resp: 680860
Ion Ratio Lower Upper
43 100
58 40.8 21.8 65.4



#60
Dibromochloromethane
Concen: 51.795 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 129 Resp: 440299
Ion Ratio Lower Upper
129 100
127 79.4 38.0 114.1

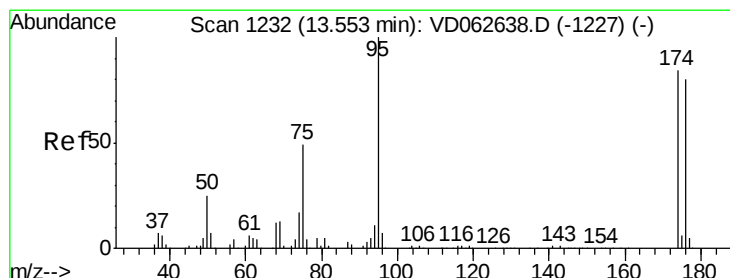
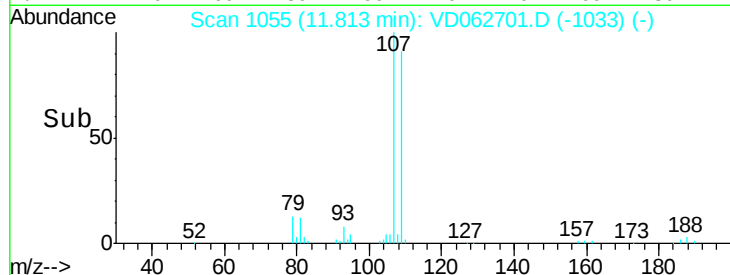
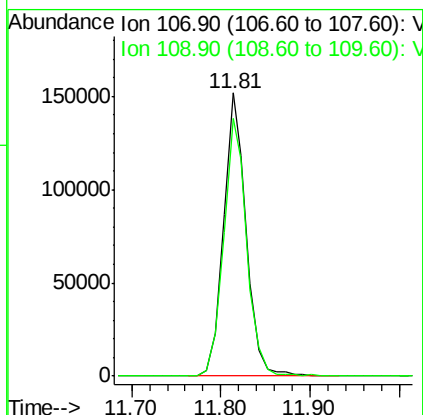
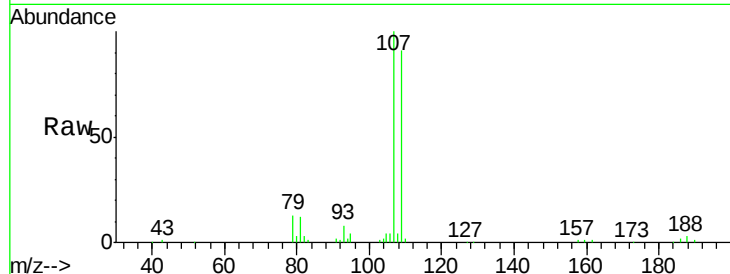




#61
 1,2-Dibromoethane
 Concen: 52.350 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

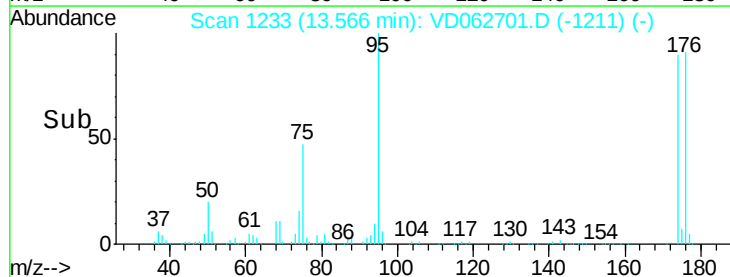
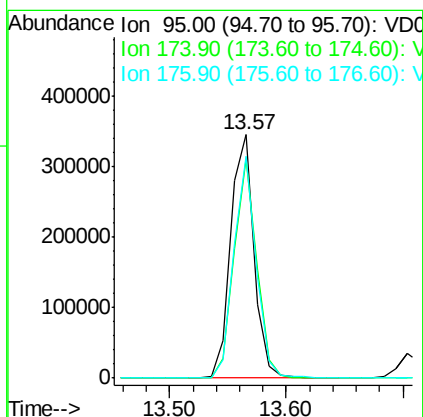
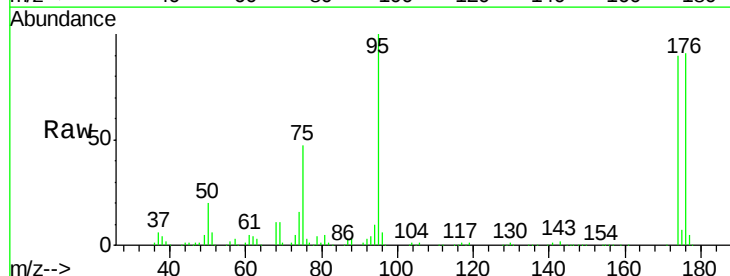
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

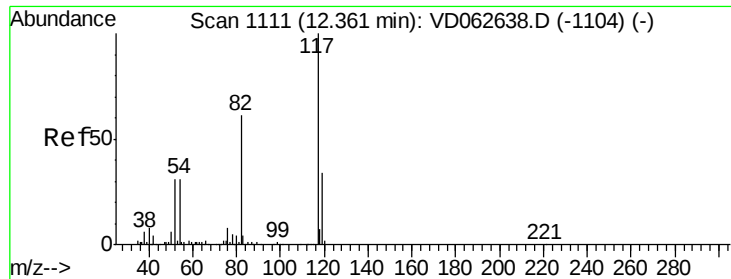
Tot Ion:107 Resp: 269813
 Ion Ratio Lower Upper
 107 100
 109 91.2 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 55.388 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 95 Resp: 479160
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 167.0
 176 91.3 0.0 159.2

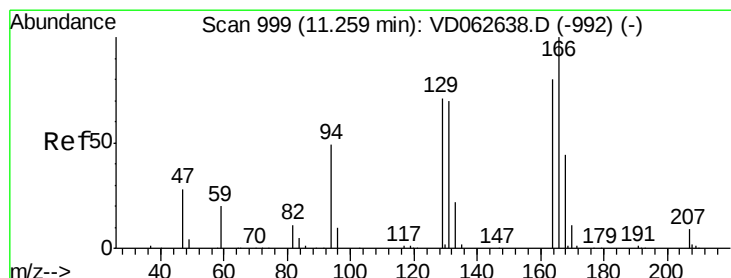
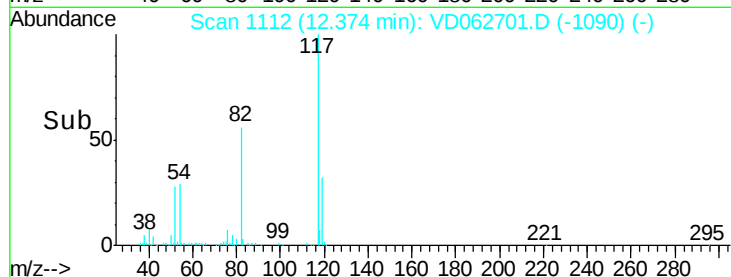
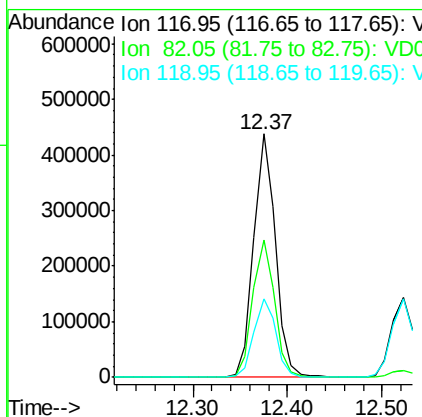
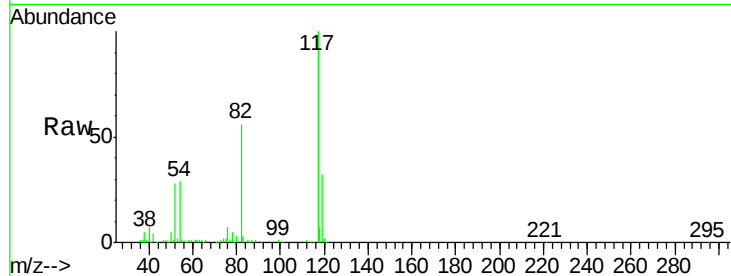




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

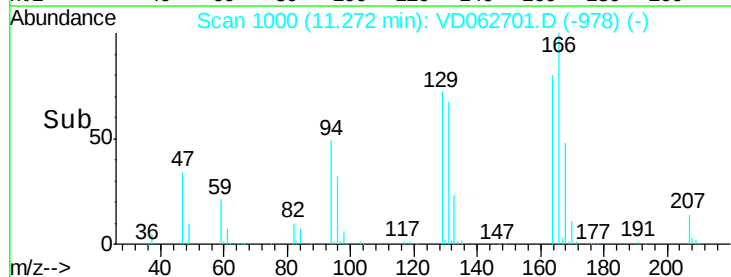
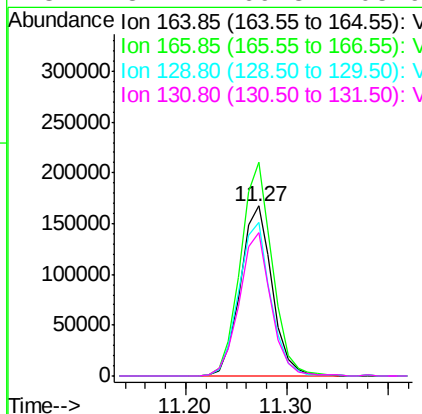
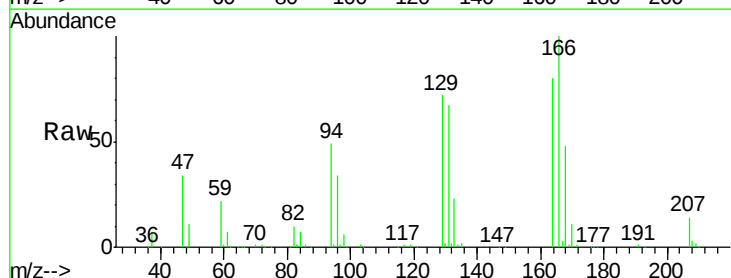
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

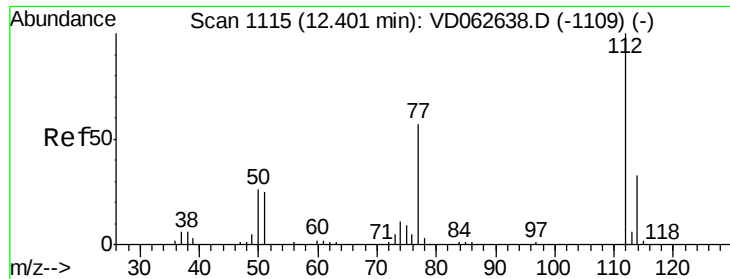
Tot Ion:117 Resp: 700526
Ion Ratio Lower Upper
117 100
82 56.2 48.7 73.1
119 32.4 27.0 40.6



#64
Tetrachloroethene
Concen: 55.786 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion:164 Resp: 365826
Ion Ratio Lower Upper
164 100
166 125.7 99.4 149.2
129 90.6 70.2 105.4
131 84.7 69.3 103.9

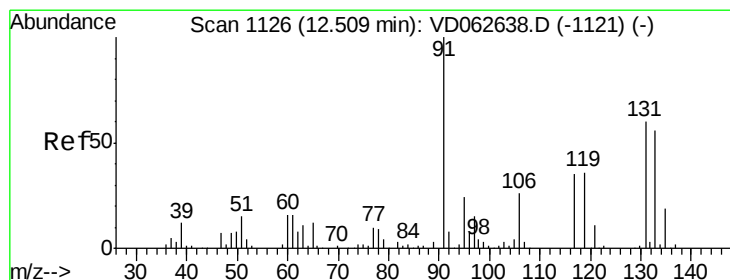
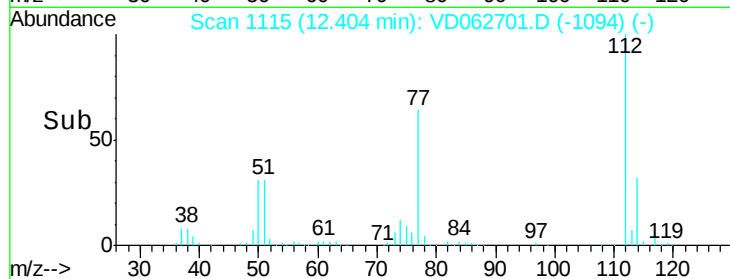
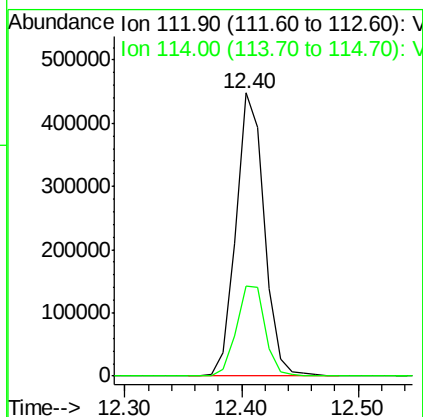
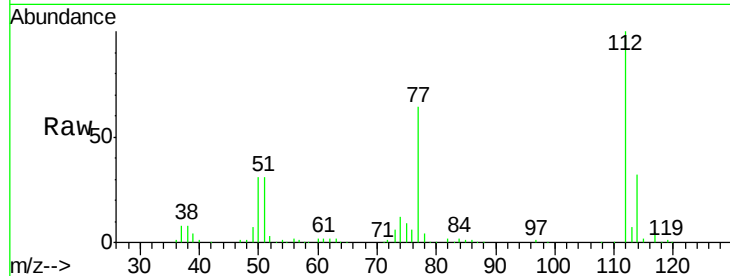




#65
Chlorobenzene
Concen: 48.461 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

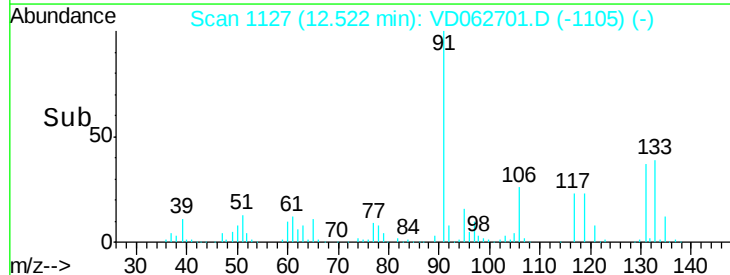
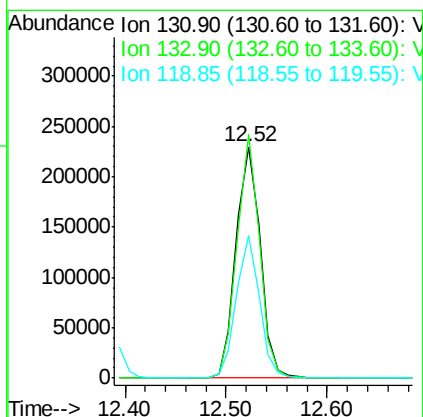
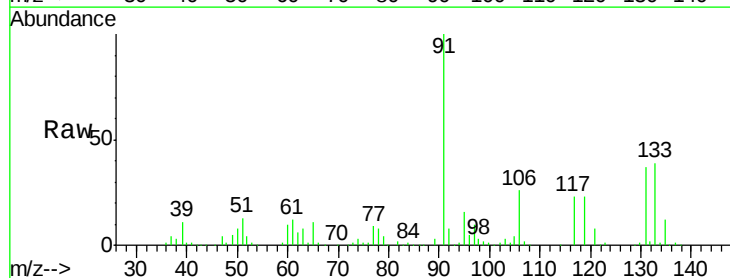
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

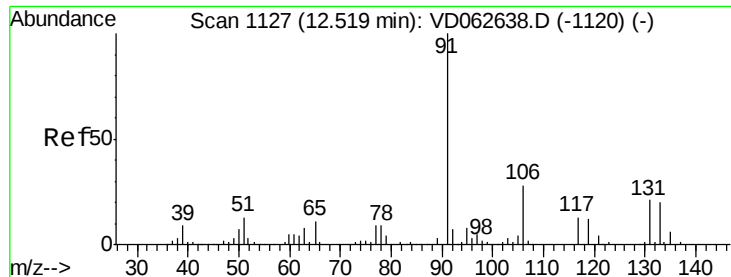
Tot Ion:112 Resp: 750920
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.270 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion:131 Resp: 386290
Ion Ratio Lower Upper
131 100
133 105.3 46.8 140.3
119 61.8 29.9 89.8

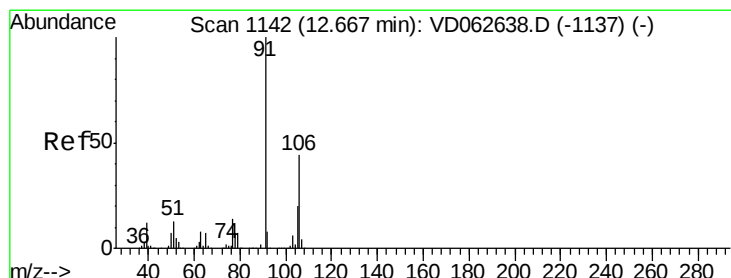
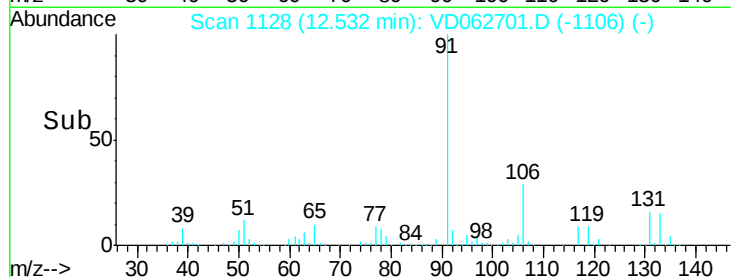
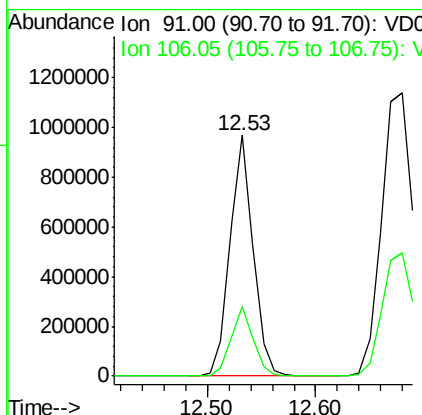
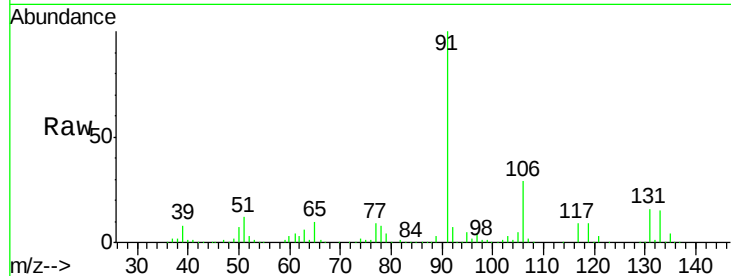




#67
Ethyl Benzene
Concen: 52.750 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

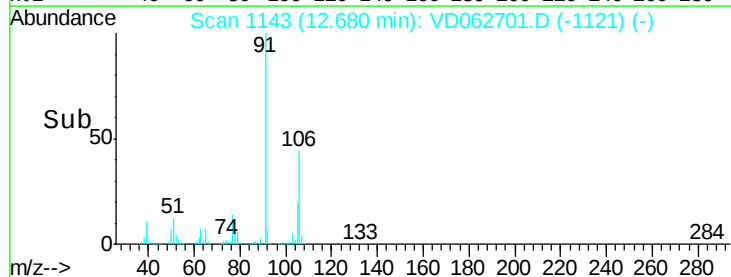
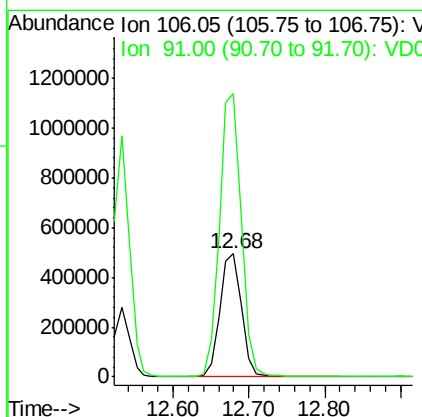
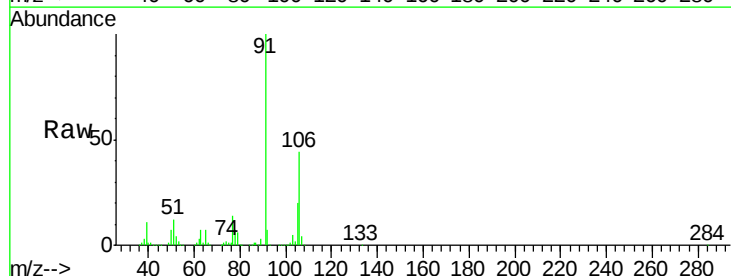
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

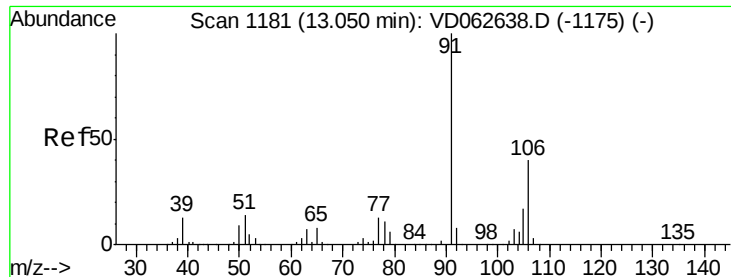
Tot Ion: 91 Resp: 1449224
Ion Ratio Lower Upper
91 100
106 28.9 22.1 33.1



#68
m/p-Xylenes
Concen: 101.935 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 106 Resp: 984537
Ion Ratio Lower Upper
106 100
91 229.8 180.2 270.4

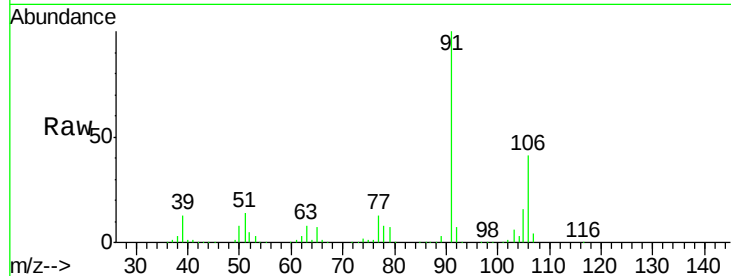




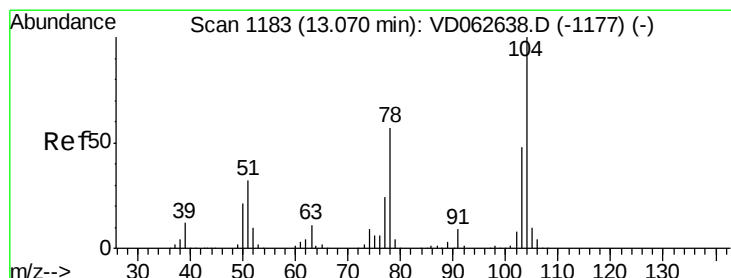
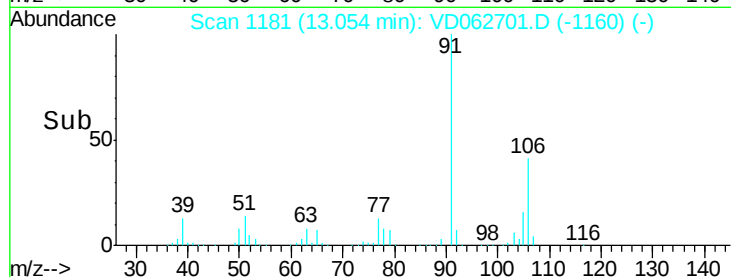
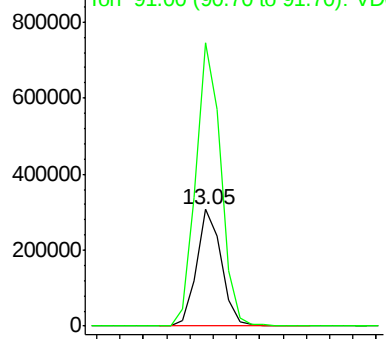
#69
o-Xylene
Concen: 50.843 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 450998
Ion Ratio Lower Upper
106 100
91 243.1 124.1 372.1

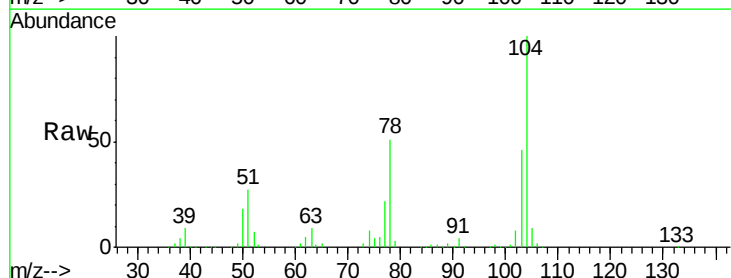


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

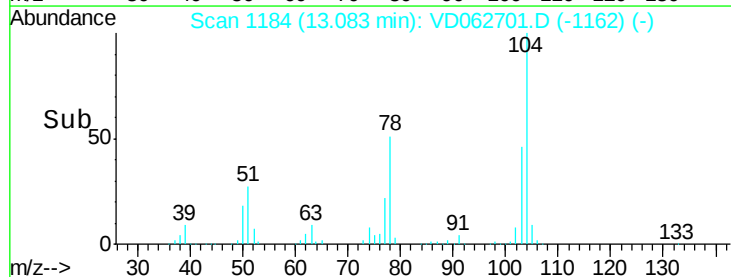
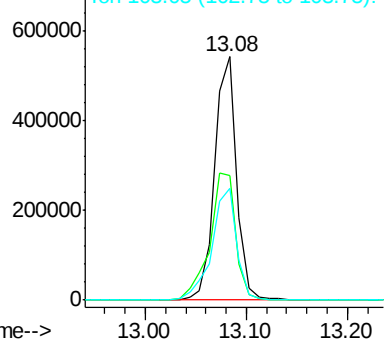


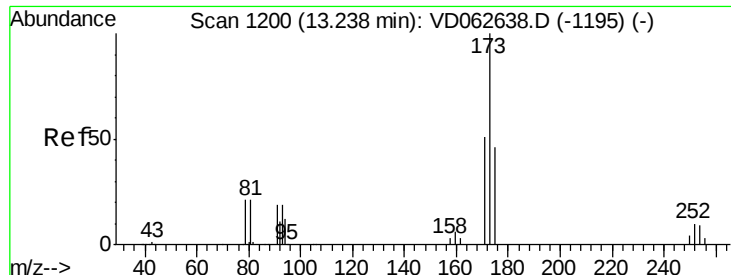
#70
Styrene
Concen: 51.740 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion:104 Resp: 818896
Ion Ratio Lower Upper
104 100
78 51.4 45.9 68.9
103 46.1 38.4 57.6



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

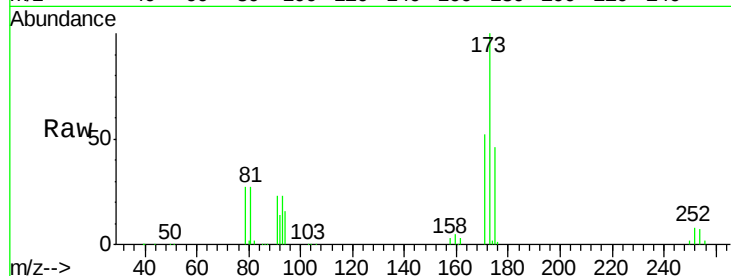




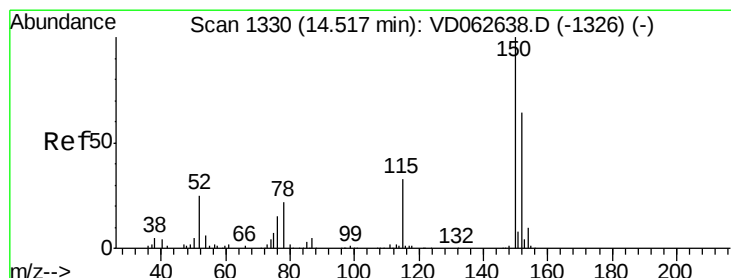
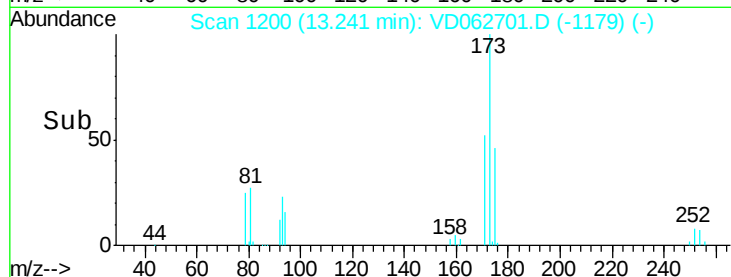
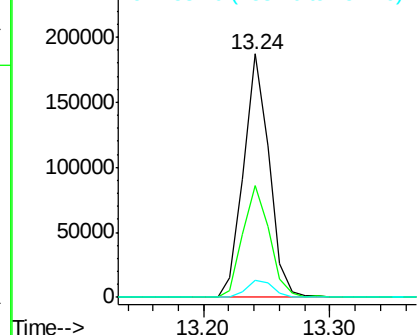
#71
Bromoform
Concen: 46.363 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 261609
Ion Ratio Lower Upper
173 100
175 46.0 22.9 68.7
254 7.0 7.0 10.4

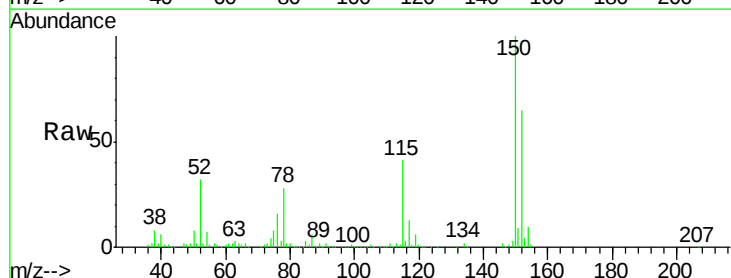


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

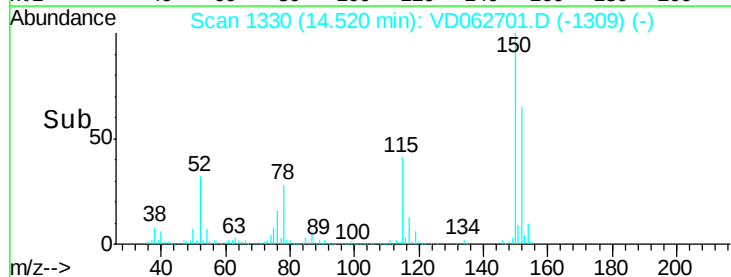
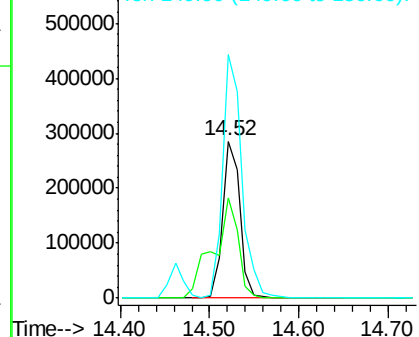


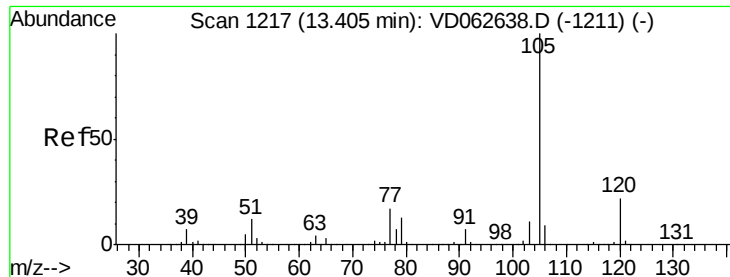
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion:152 Resp: 388084
Ion Ratio Lower Upper
152 100
115 64.1 30.1 90.5
150 155.0 0.0 314.0



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





#73

Isopropylbenzene

Concen: 51.343 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

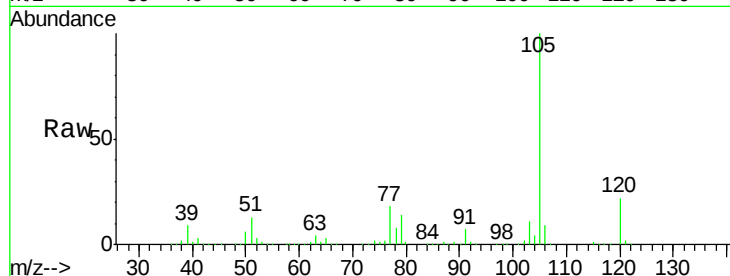
VSTDCCC050EC

Tot Ion:105 Resp: 1404432

Ion Ratio Lower Upper

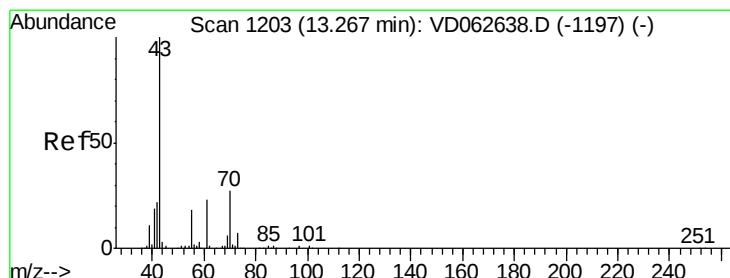
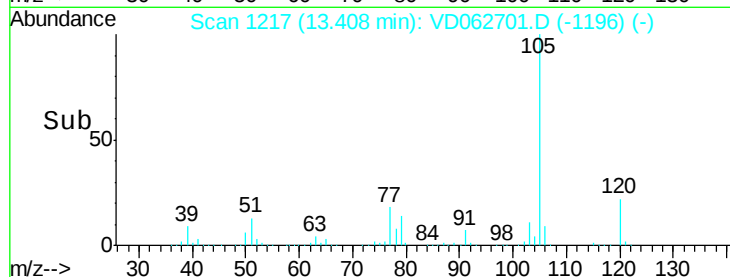
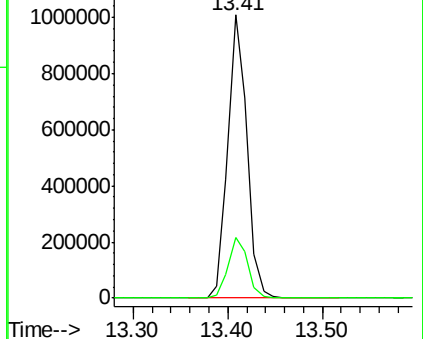
105 100

120 21.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.624 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Tgt Ion: 43 Resp: 381634

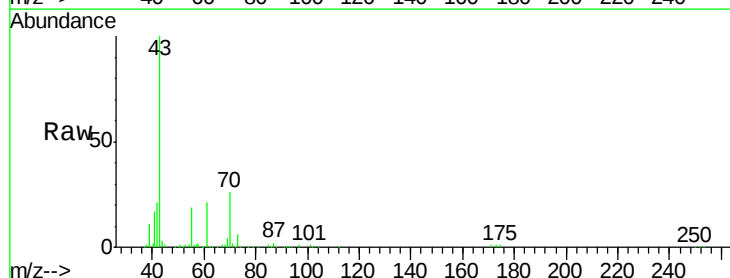
Ion Ratio Lower Upper

43 100

70 25.9 21.8 32.8

55 18.8 14.6 21.8

61 21.0 18.4 27.6

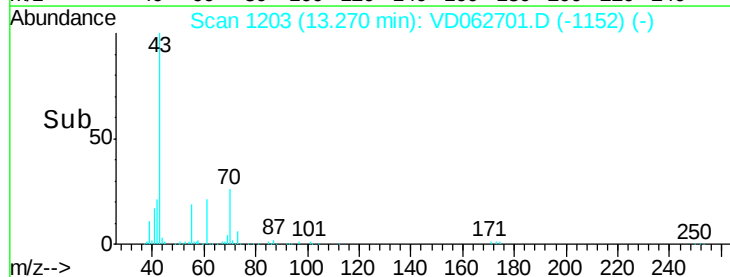
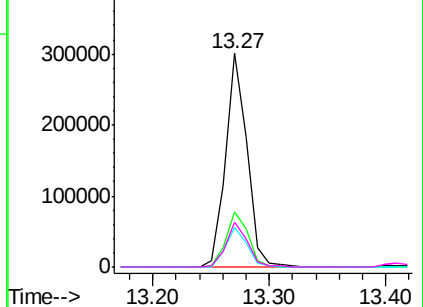


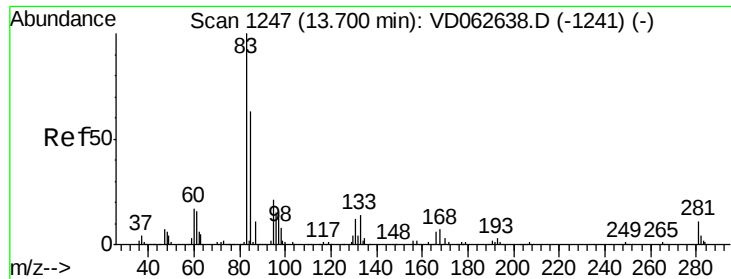
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.544 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

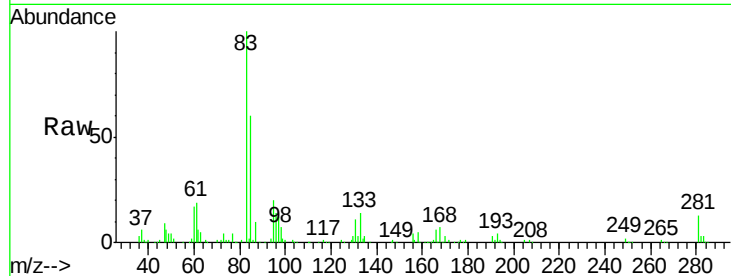
Tot Ion: 83 Resp: 241253

Ion Ratio Lower Upper

83 100

131 11.0 5.9 17.7

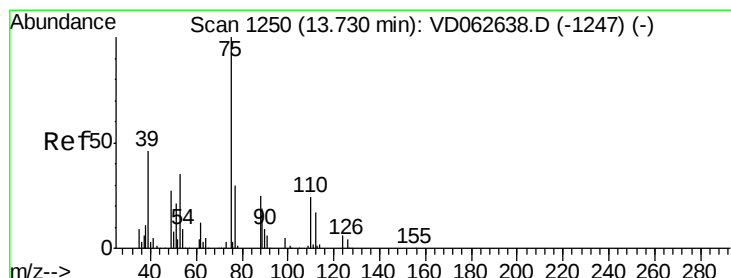
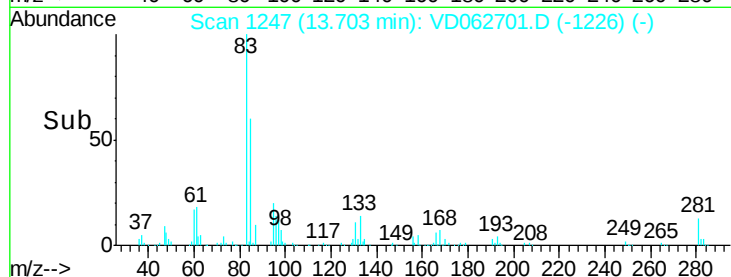
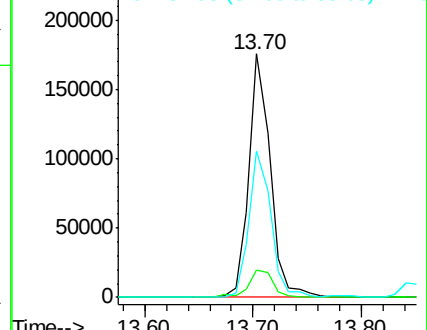
85 59.9 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062701.D

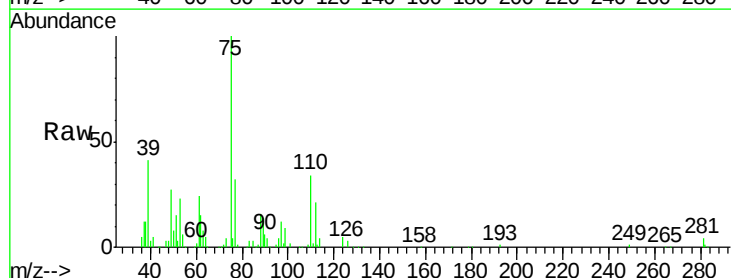
Acq: 13 Jun 2019 18:43

Tgt Ion: 75 Resp: 263100

Ion Ratio Lower Upper

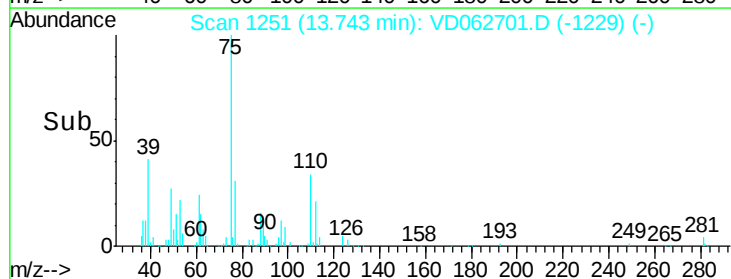
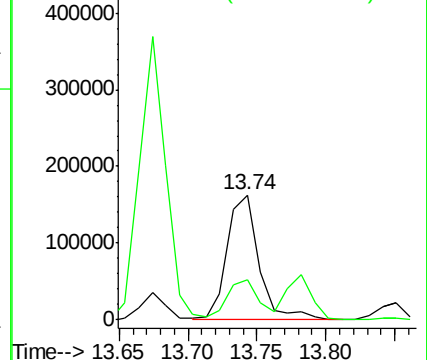
75 100

77 31.8 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.722 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

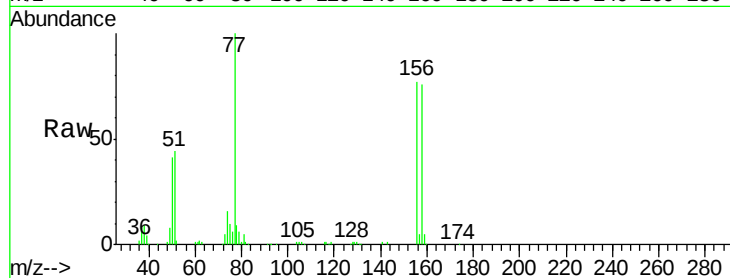
Tot Ion:156 Resp: 396556

Ion Ratio Lower Upper

156 100

77 129.7 56.3 168.8

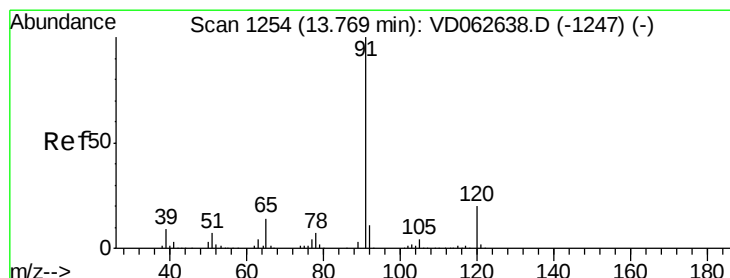
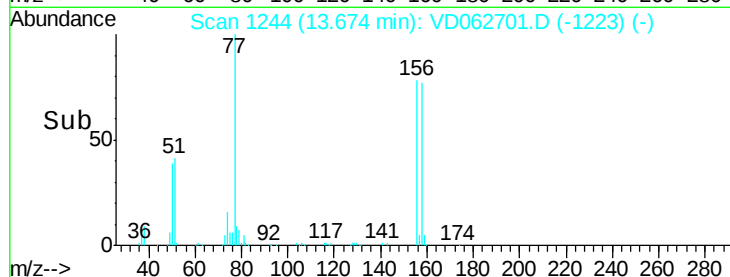
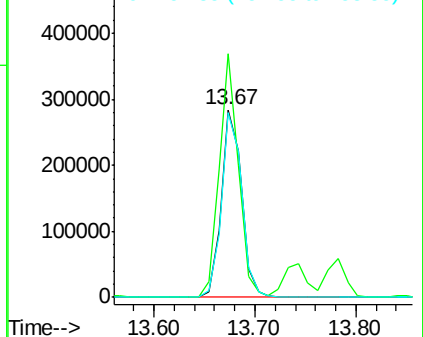
158 98.3 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.003 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062701.D

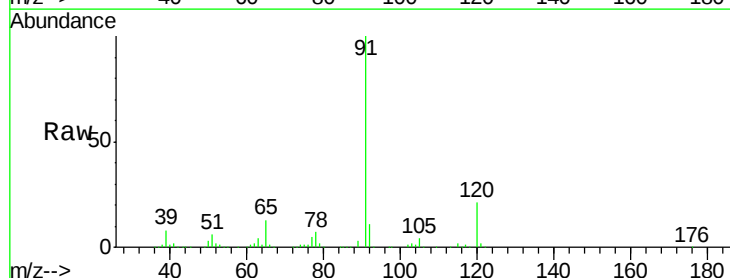
Acq: 13 Jun 2019 18:43

Tgt Ion: 91 Resp: 1674255

Ion Ratio Lower Upper

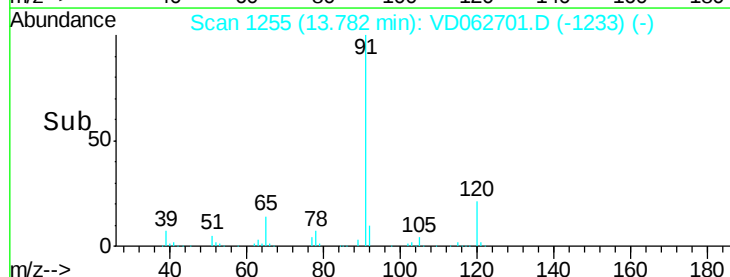
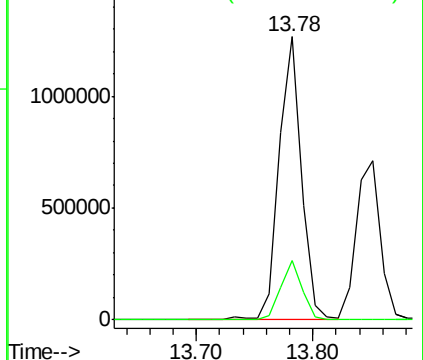
91 100

120 20.9 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.768 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

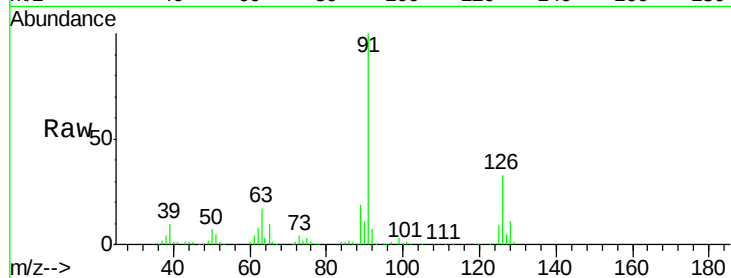
VSTDCCC050EC

Tot Ion: 91 Resp: 1014899

Ion Ratio Lower Upper

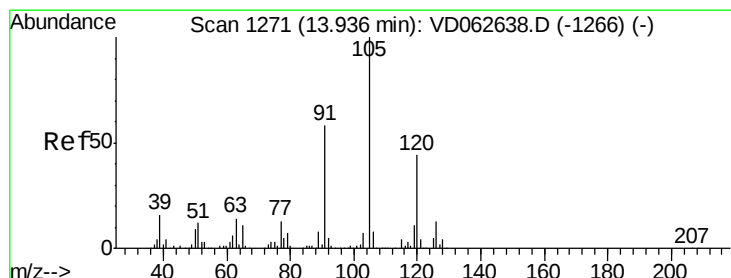
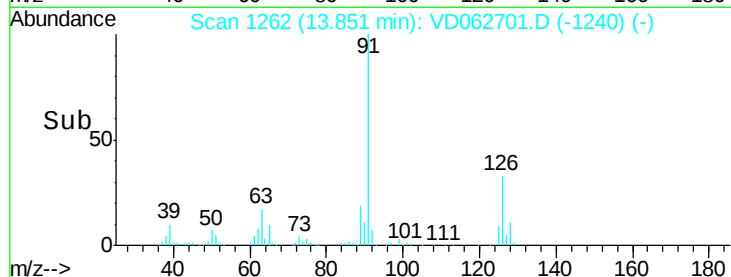
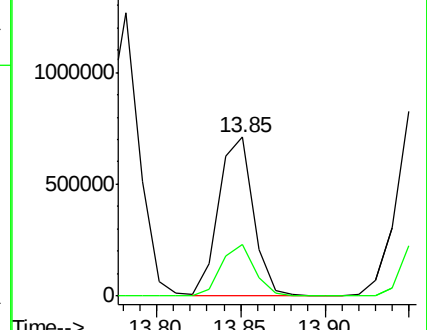
91 100

126 32.9 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062701.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD062701.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.449 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062701.D

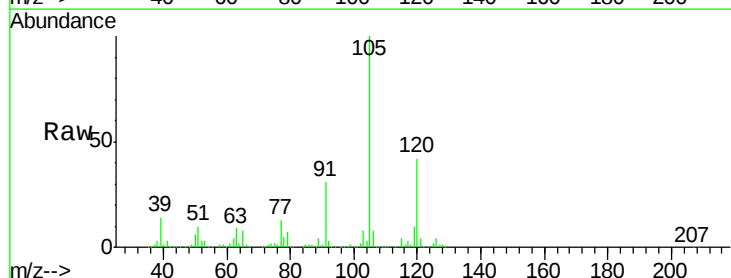
Acq: 13 Jun 2019 18:43

Tgt Ion: 105 Resp: 1243784

Ion Ratio Lower Upper

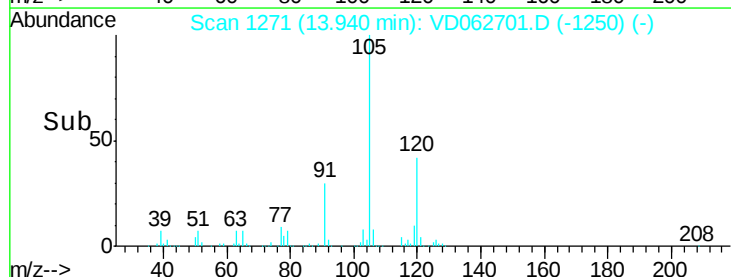
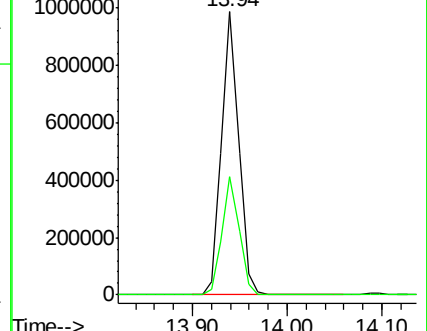
105 100

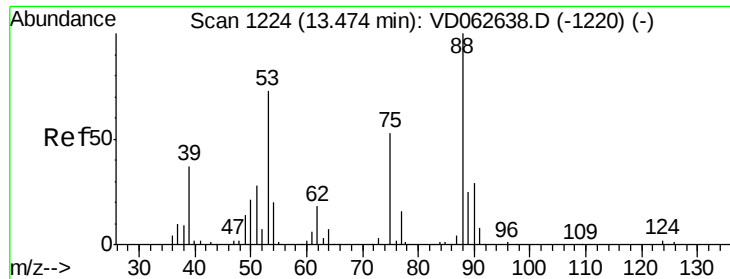
120 41.8 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062701.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD062701.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.385 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062701.D

Acq: 13 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

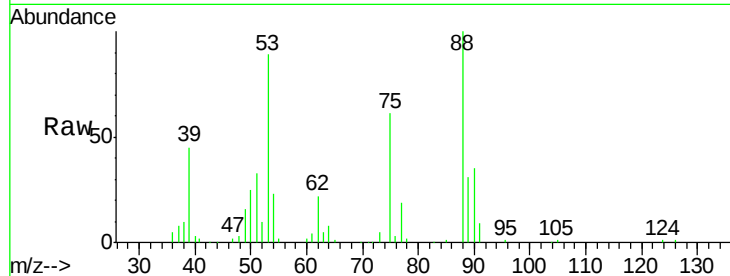
Tot Ion: 75 Resp: 68523

Ion Ratio Lower Upper

75 100

53 145.0 109.4 164.2

89 50.8 37.0 55.6



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

200000

150000

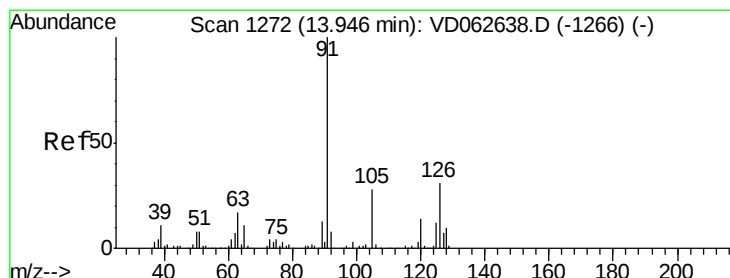
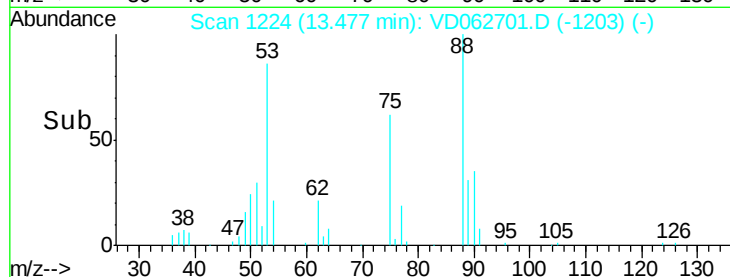
100000

50000

0

13.45 13.50 13.55

Time-->



#82

4-Chlorotoluene

Concen: 51.809 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062701.D

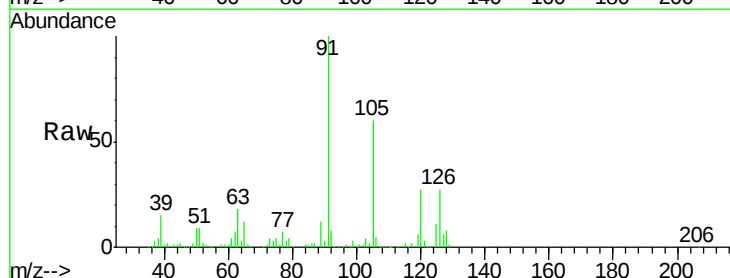
Acq: 13 Jun 2019 18:43

Tgt Ion: 91 Resp: 1214675

Ion Ratio Lower Upper

91 100

126 27.2 15.6 46.8



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

800000

600000

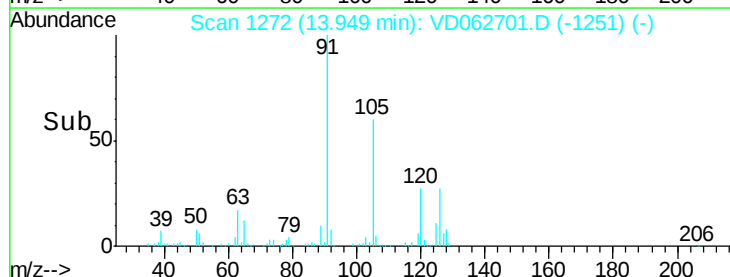
400000

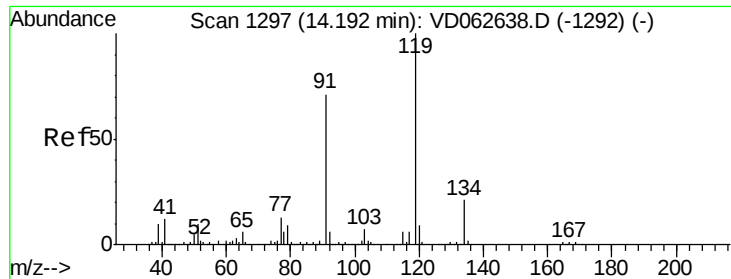
200000

0

13.90 14.00

Time-->

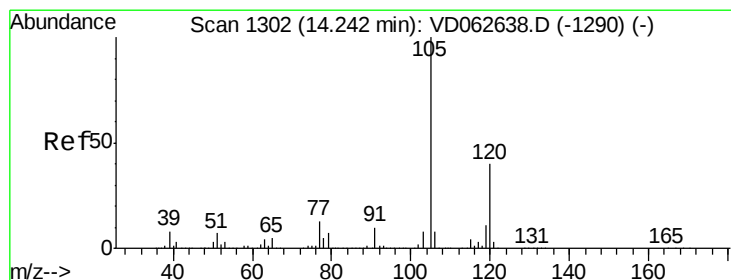
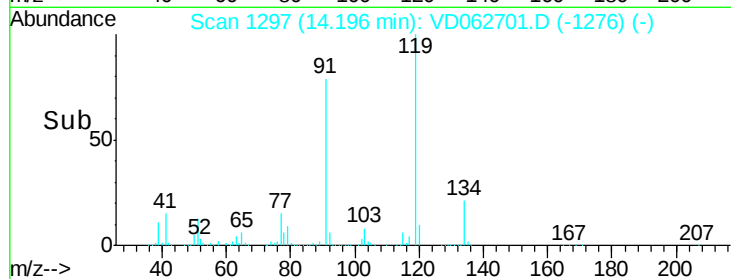
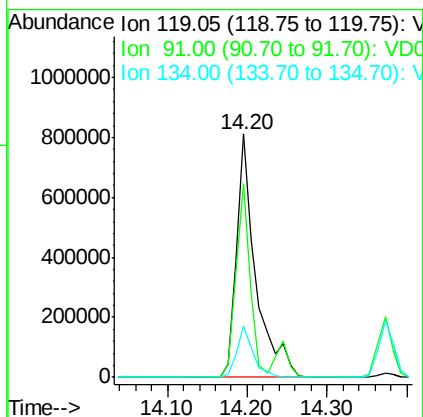
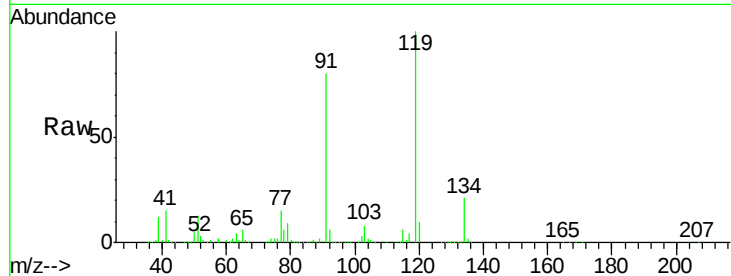




#83
 tert-Butylbenzene
 Concen: 51.478 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

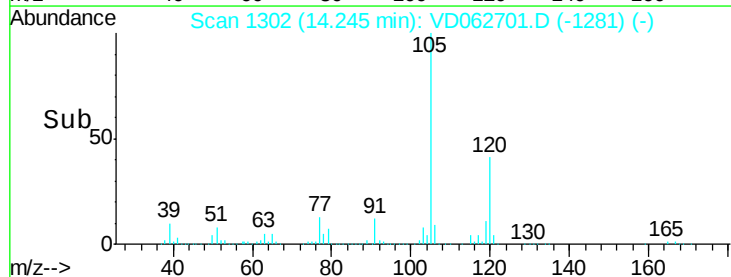
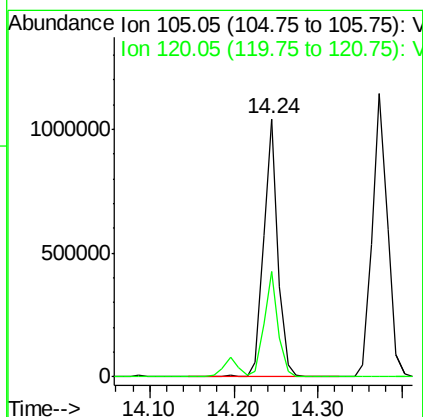
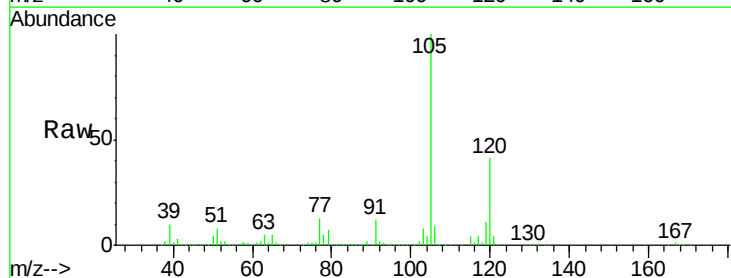
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

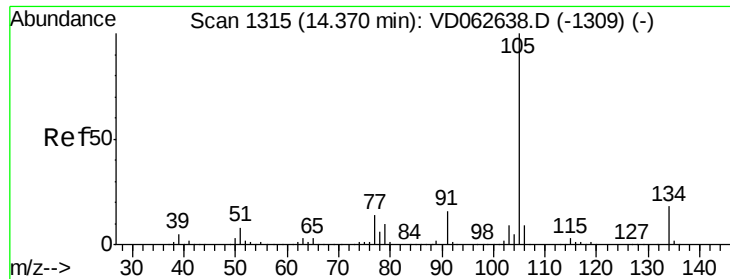
Tot Ion:119 Resp: 1372611
 Ion Ratio Lower Upper
 119 100
 91 79.8 35.4 106.1
 134 21.1 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.540 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion:105 Resp: 1257600
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.3 60.8

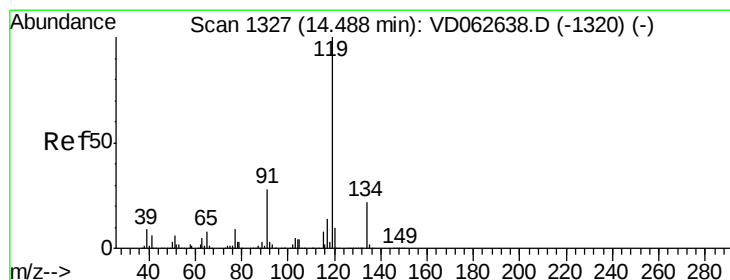
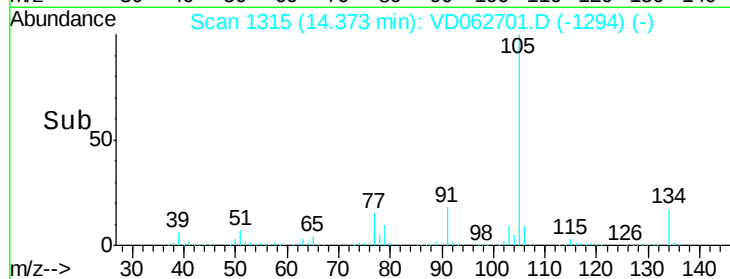
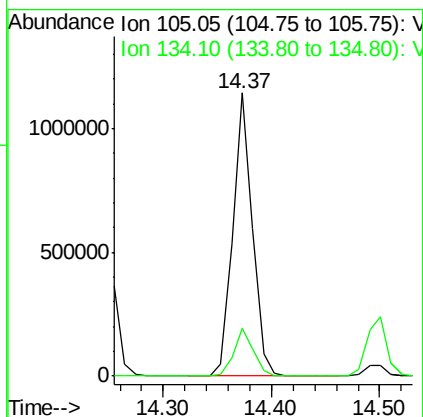
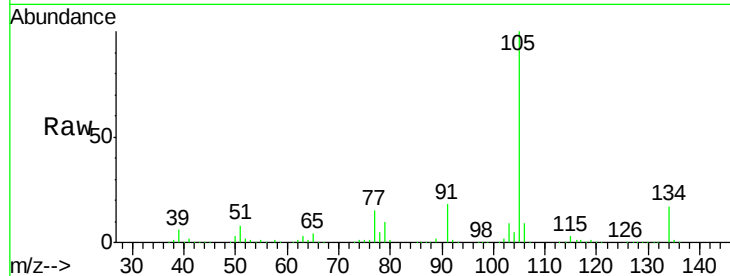




#85
 sec-Butylbenzene
 Concen: 51.314 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

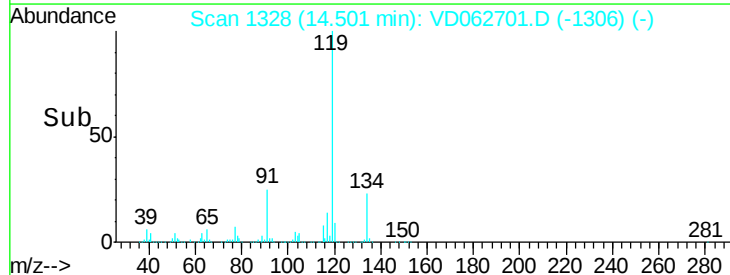
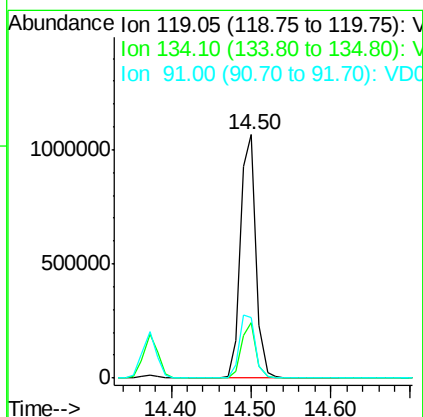
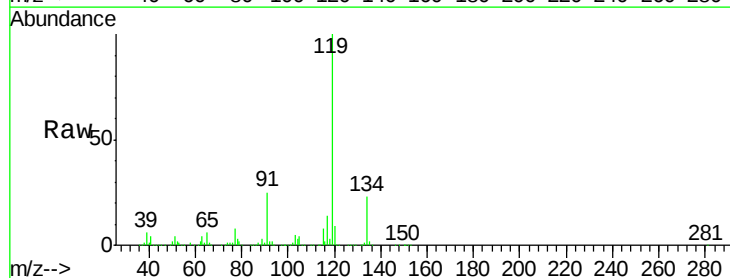
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

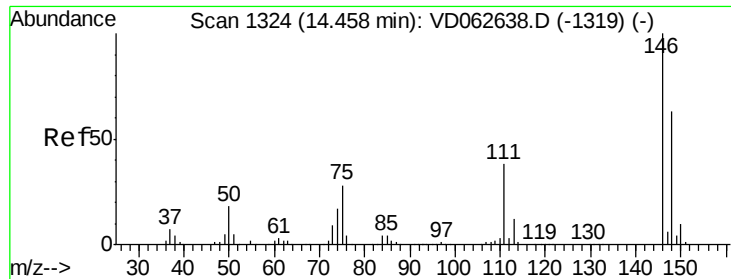
Tot Ion:105 Resp: 1434744
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 53.075 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion:119 Resp: 1444843
 Ion Ratio Lower Upper
 119 100
 134 22.6 10.9 32.6
 91 24.9 13.9 41.6

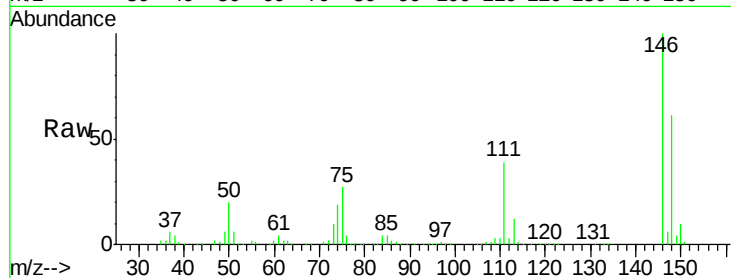




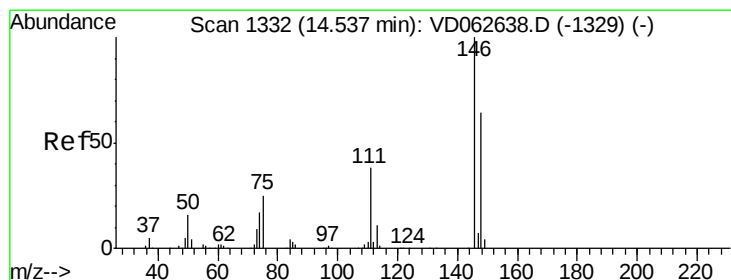
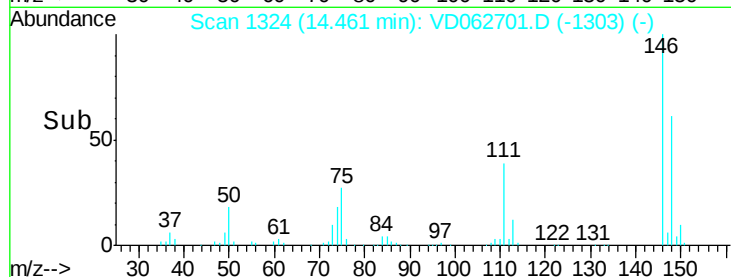
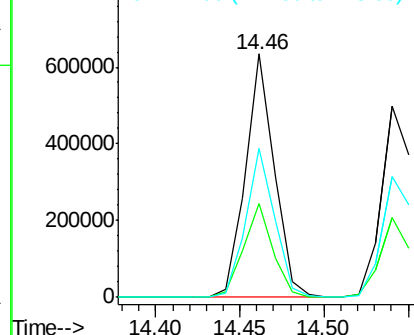
#87
 1,3-Dichlorobenzene
 Concen: 53.290 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 754768
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 61.3 31.6 95.0

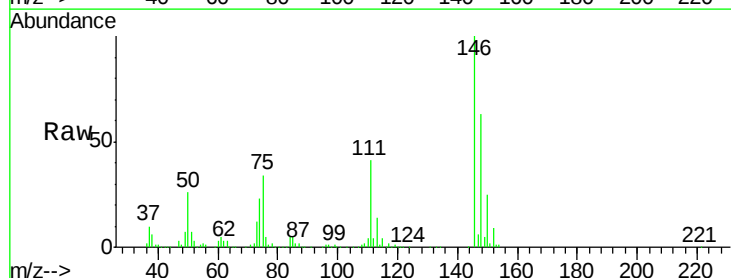


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

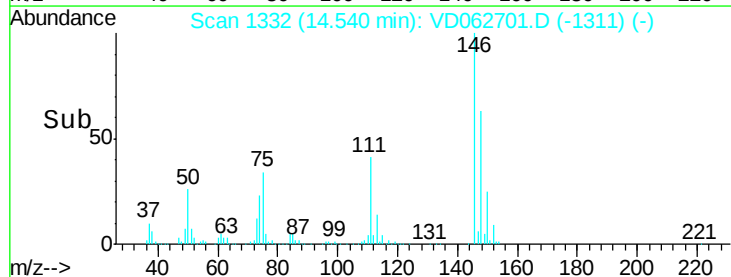
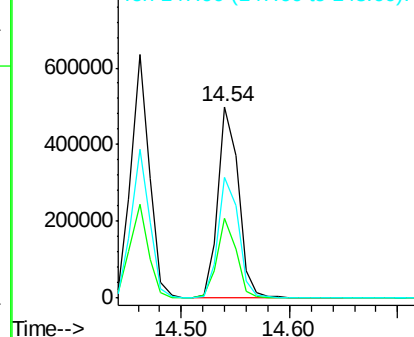


#88
 1,4-Dichlorobenzene
 Concen: 49.254 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion:146 Resp: 659290
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.9 56.7
 148 63.0 32.3 96.8



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

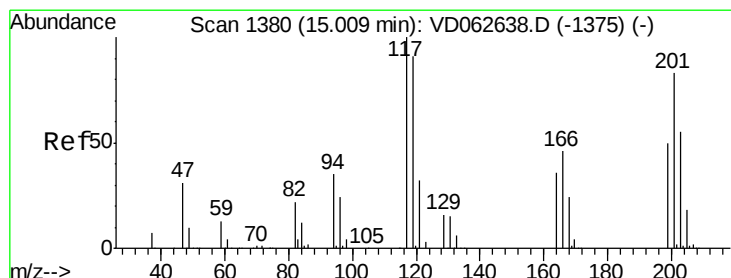
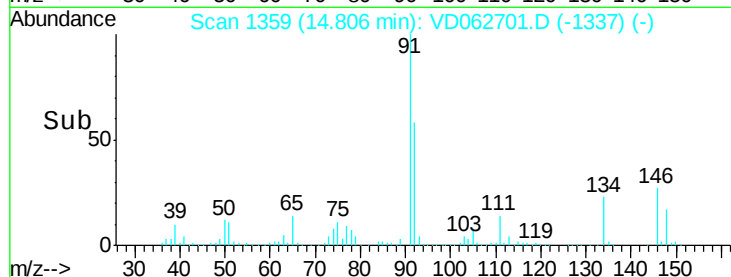
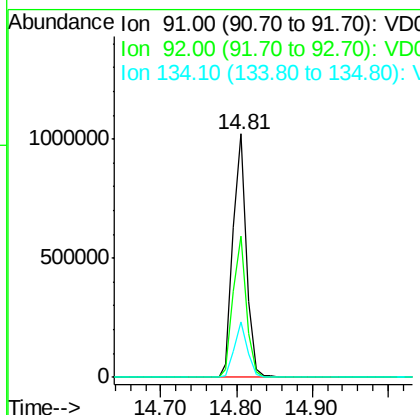
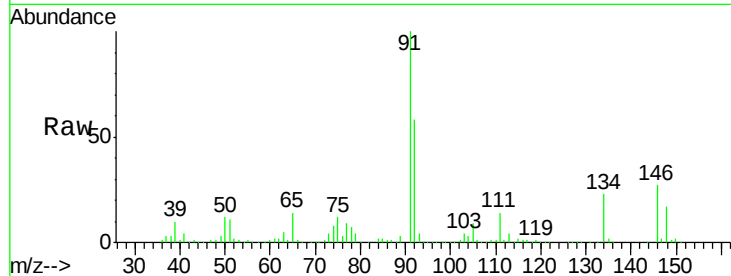




#89
n-Butylbenzene
Concen: 50.532 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

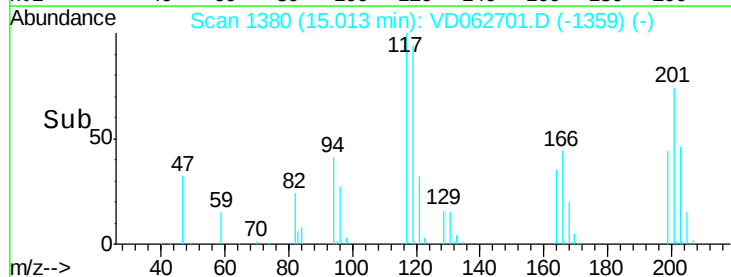
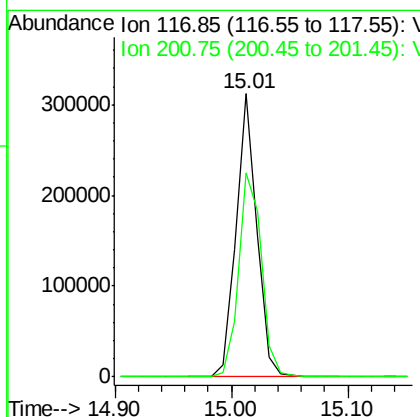
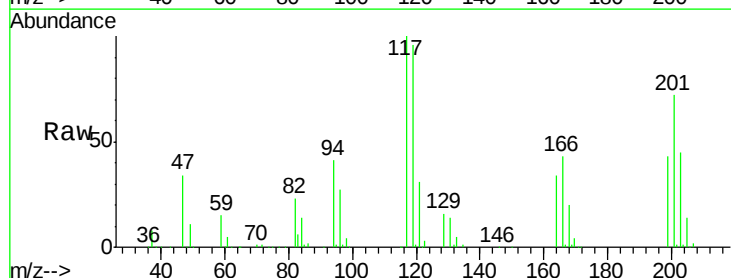
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

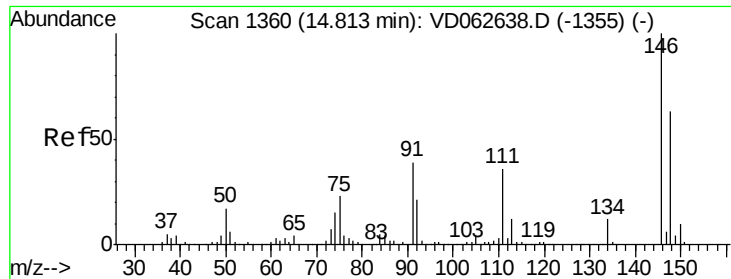
Tot Ion: 91 Resp: 1237558
Ion Ratio Lower Upper
91 100
92 58.1 29.4 88.3
134 22.7 10.4 31.2



#90
Hexachloroethane
Concen: 53.393 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion: 117 Resp: 383722
Ion Ratio Lower Upper
117 100
201 72.2 41.5 124.6

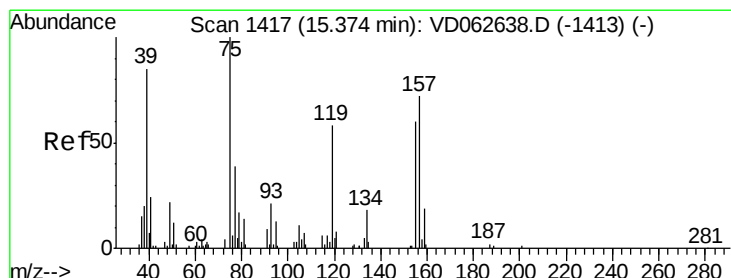
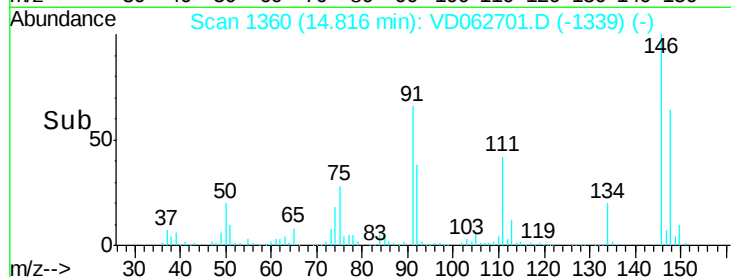
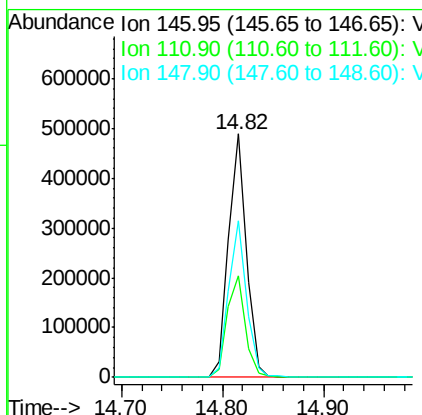
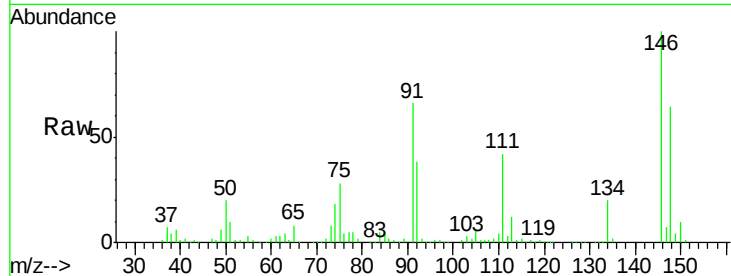




#91
 1,2-Dichlorobenzene
 Concen: 51.322 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

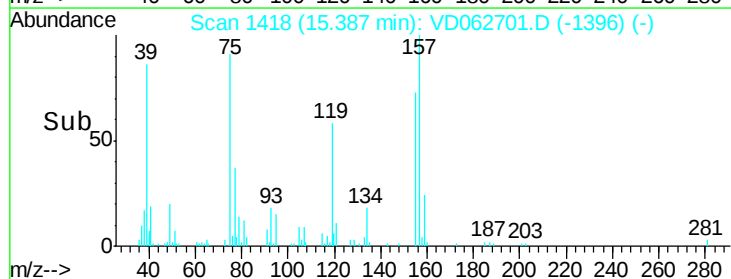
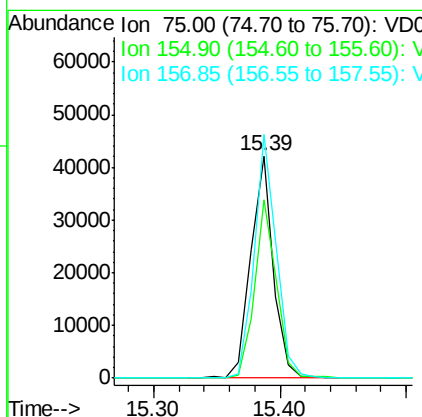
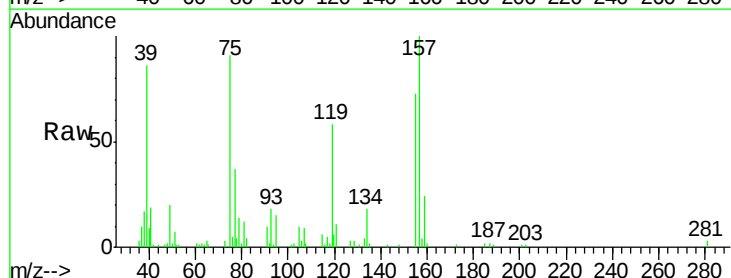
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

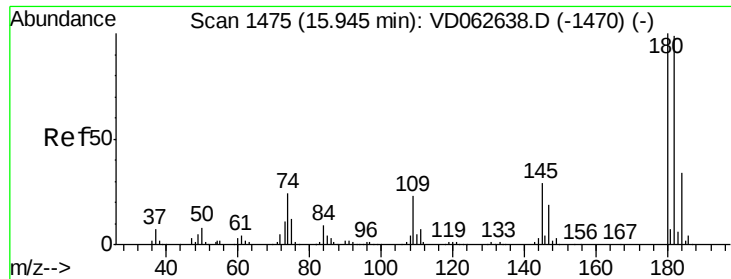
Tot Ion:146 Resp: 604240
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.1 54.3
 148 64.1 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.301 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion: 75 Resp: 52289
 Ion Ratio Lower Upper
 75 100
 155 80.5 30.1 90.5
 157 109.7 35.9 107.8#

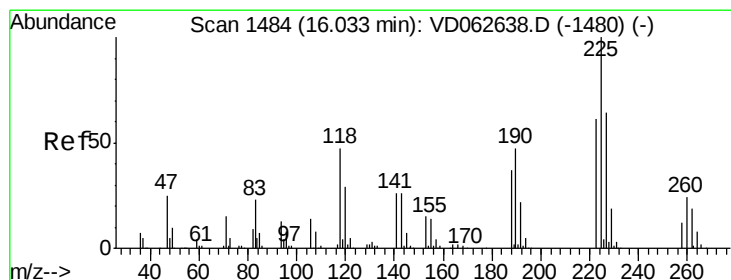
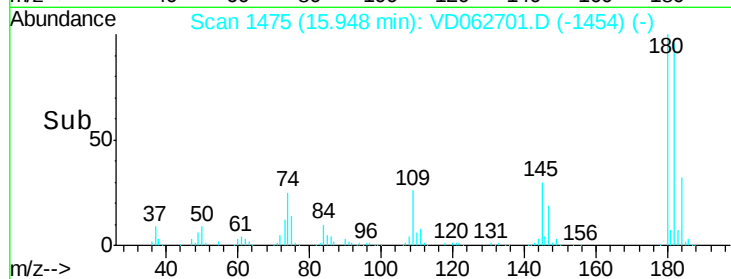
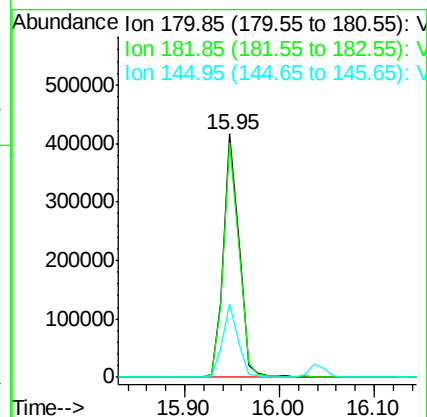
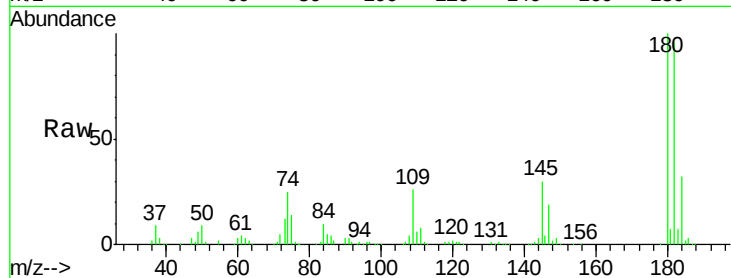




#93
 1,2,4-Trichlorobenzene
 Concen: 47.959 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

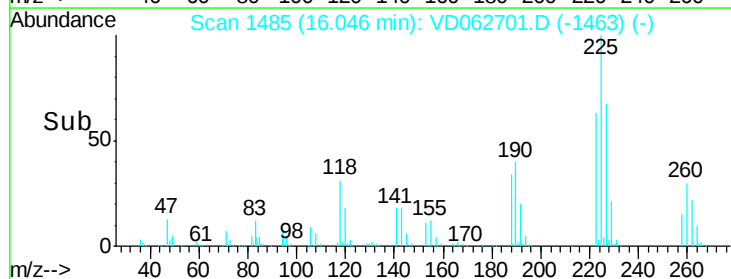
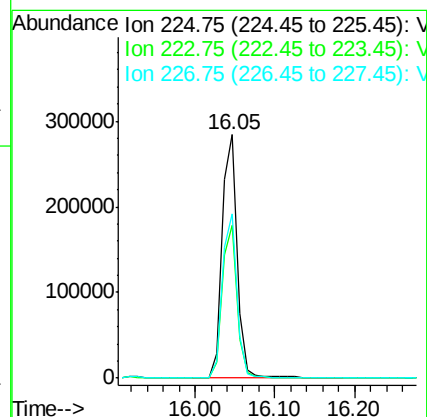
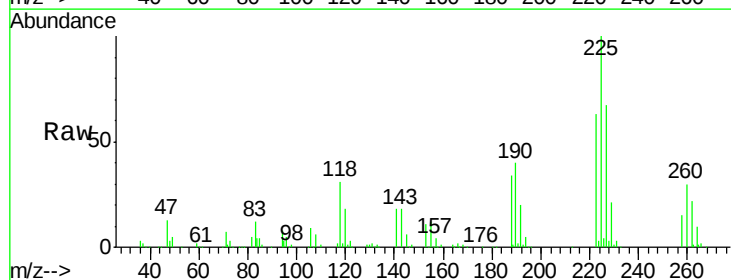
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 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

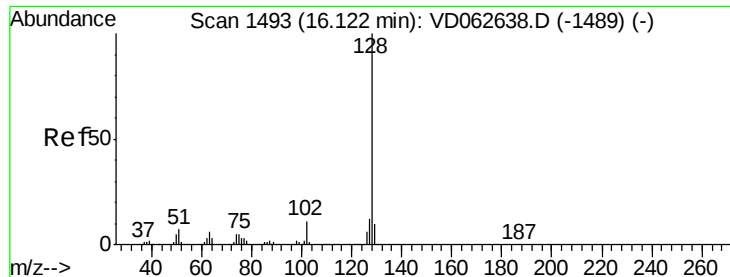
Tot Ion:180 Resp: 477426
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.4 148.2
 145 30.2 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 54.580 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062701.D
 Acq: 13 Jun 2019 18:43

Tgt Ion:225 Resp: 379396
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.3 91.0
 227 67.5 31.8 95.4

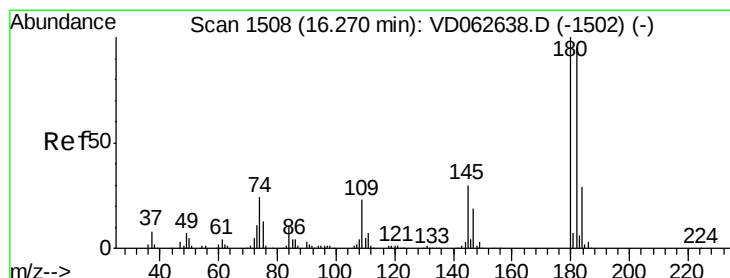
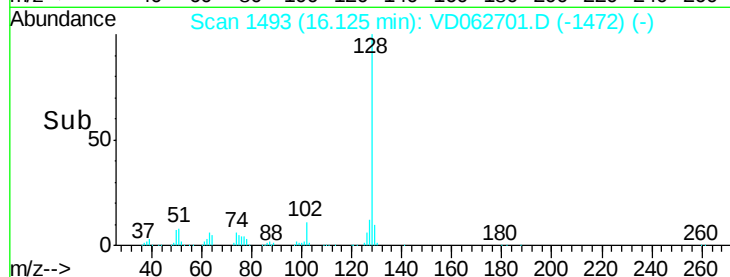
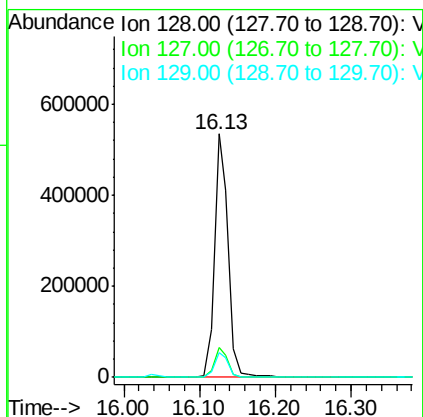
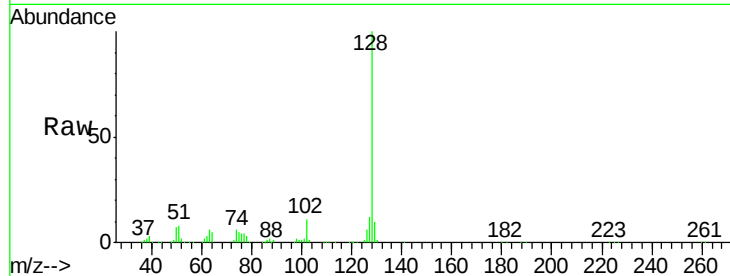




#95
Naphthalene
Concen: 48.397 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 679836
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.4 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 56.766 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062701.D
Acq: 13 Jun 2019 18:43

Tgt Ion:180 Resp: 384955
Ion Ratio Lower Upper
180 100
182 96.6 47.7 143.1
145 32.5 15.0 45.0

