

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062646.D
 Acq On : 10 Jun 2019 11:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 11 03:53:28 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	7.04	168	719646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	936863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	779038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470696	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	593117	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	6.92	113	555853	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.41	98	1184727	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
62) 4-Bromofluorobenzene	13.55	95	575789	59.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	383136	45.566	ug/l	98
3) Chloromethane	1.75	50	308134	43.273	ug/l	98
4) Vinyl Chloride	1.85	62	327257	44.570	ug/l	99
5) Bromomethane	2.16	94	192842	52.030	ug/l	98
6) Chloroethane	2.28	64	182172	50.252	ug/l	94
7) Trichlorofluoromethane	2.53	101	797748	48.540	ug/l	99
8) Diethyl Ether	2.88	74	99051	44.312	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	408722	46.114	ug/l	97
10) Methyl Iodide	3.31	142	535869	42.318	ug/l	96
11) Tert butyl alcohol	4.08	59	85123	199.420	ug/l #	82
12) 1,1-Dichloroethene	3.12	96	302033	47.484	ug/l	94
13) Acrolein	3.03	56	33050	240.704	ug/l	95
14) Allyl chloride	3.62	41	456130	46.638	ug/l	99
15) Acrylonitrile	4.20	53	218120	224.869	ug/l	96
16) Acetone	3.22	43	510076	268.241	ug/l	98
17) Carbon Disulfide	3.37	76	887694	47.359	ug/l	97
18) Methyl Acetate	3.64	43	127734	40.874	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	732918	47.245	ug/l	99
20) Methylene Chloride	3.81	84	302553	42.041	ug/l #	86
21) trans-1,2-Dichloroethene	4.22	96	313577	44.944	ug/l	93
22) Diisopropyl ether	5.12	45	964392	47.490	ug/l	96
23) Vinyl Acetate	5.05	43	3024566	240.075	ug/l	97
24) 1,1-Dichloroethane	4.98	63	604338	46.259	ug/l	100
25) 2-Butanone	6.07	43	421692	227.311	ug/l	100
26) 2,2-Dichloropropane	6.03	77	733392	48.709	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	344916	45.601	ug/l	97
28) Bromochloromethane	6.43	49	271330	54.332	ug/l	87
29) Tetrahydrofuran	6.46	42	178215	213.324	ug/l	98
30) Chloroform	6.66	83	788477	47.041	ug/l	97
31) Cyclohexane	6.95	56	386975	47.221	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	834951	50.061	ug/l	99
36) 1,1-Dichloropropene	7.14	75	545658	50.890	ug/l	96
37) Ethyl Acetate	6.17	43	200172	43.933	ug/l #	92
38) Carbon Tetrachloride	7.11	117	927013	54.698	ug/l	97

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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	8.86	83	452425	52.215	ug/l	94
40) Benzene	7.45	78	1027926	49.090	ug/l	99
41) Methacrylonitrile	6.44	41	258289	46.017	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	645303	51.703	ug/l	98
43) Isopropyl Acetate	9.24	43	284921	50.361	ug/l #	98
44) Trichloroethene	8.54	130	426582	50.180	ug/l	92
45) 1,2-Dichloropropane	8.93	63	243156	48.344	ug/l	98
46) Dibromomethane	9.06	93	219214	49.101	ug/l	92
47) Bromodichloromethane	9.37	83	629901	51.865	ug/l	91
48) Methyl methacrylate	9.12	41	185356	45.349	ug/l	94
49) 1,4-Dioxane	9.08	88	29273	810.316	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	957993	241.995	ug/l	100
52) Toluene	10.51	92	714855	50.788	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	494970	49.708	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	494326	48.033	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	228868	47.414	ug/l	97
56) Ethyl methacrylate	11.04	69	245173	42.773	ug/l	99
57) 1,3-Dichloropropane	11.40	76	366044	48.926	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	573505	222.295	ug/l	97
59) 2-Hexanone	11.53	43	758471	257.568	ug/l	97
60) Dibromochloromethane	11.68	129	466262	48.933	ug/l	100
61) 1,2-Dibromoethane	11.81	107	275165	47.630	ug/l	92
64) Tetrachloroethene	11.25	164	359042	49.233	ug/l	96
65) Chlorobenzene	12.40	112	845004	49.037	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	422346	51.390	ug/l	94
67) Ethyl Benzene	12.52	91	1557724	50.985	ug/l	98
68) m/p-Xylenes	12.66	106	1076757	100.248	ug/l	96
69) o-Xylene	13.05	106	445949	45.207	ug/l	99
70) Styrene	13.07	104	796792	45.270	ug/l	98
71) Bromoform	13.23	173	293600	46.762	ug/l	96
73) Isopropylbenzene	13.40	105	1606320	48.417	ug/l	97
74) N-amyl acetate	13.26	43	382605	42.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	247020	43.514	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	289428	45.349	ug/l	95
77) Bromobenzene	13.67	156	435196	45.894	ug/l	96
78) n-propylbenzene	13.77	91	1897923	46.735	ug/l	96
79) 2-Chlorotoluene	13.83	91	1122478	47.206	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1328316	45.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	75582	40.718	ug/l	96
82) 4-Chlorotoluene	13.94	91	1257532	44.223	ug/l	95
83) tert-Butylbenzene	14.19	119	1500710	46.404	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1333548	45.934	ug/l	99
85) sec-Butylbenzene	14.37	105	1575759	46.466	ug/l	98
86) p-Isopropyltoluene	14.48	119	1594699	48.298	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	791386	46.068	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	774682	47.718	ug/l	98
89) n-Butylbenzene	14.80	91	1435272	48.320	ug/l	97
90) Hexachloroethane	15.01	117	431189	49.468	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	666766	46.693	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55199	45.522	ug/l #	58

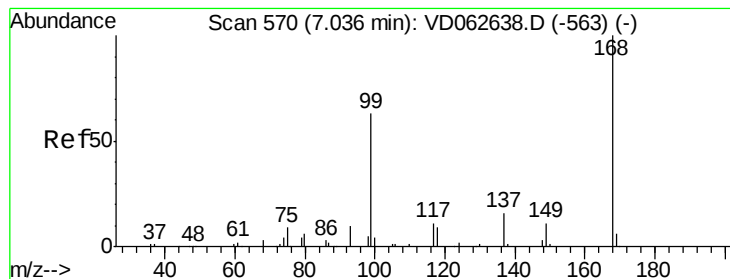
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062646.D
Acq On : 10 Jun 2019 11:30
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Quant Time: Jun 11 03:53:28 2019
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	508660	42.562	ug/l	99
94) Hexachlorobutadiene	16.04	225	403538	47.864	ug/l	97
95) Naphthalene	16.12	128	683923	40.731	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	371323	45.146	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

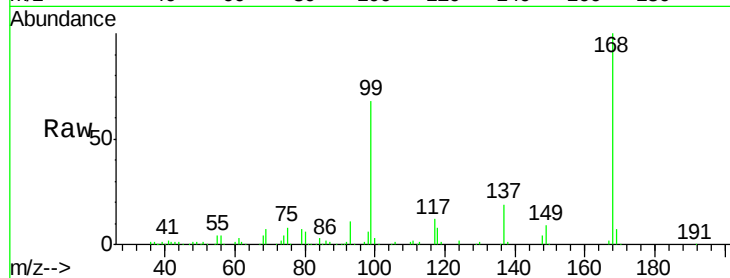
VSTDCCC050

Tgt Ion:168 Resp: 719646

Ion Ratio Lower Upper

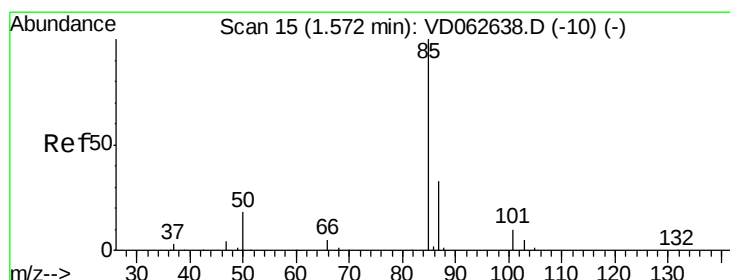
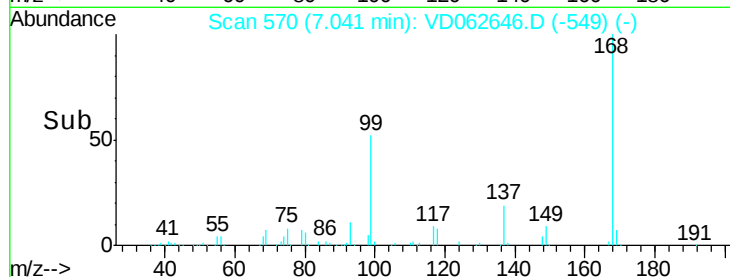
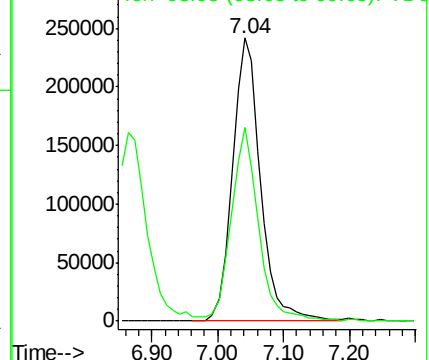
168 100

99 68.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.566 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062646.D

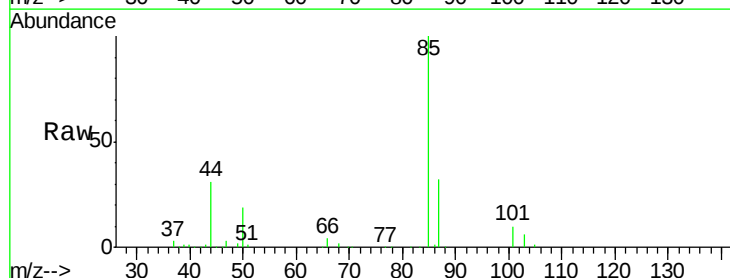
Acq: 10 Jun 2019 11:30

Tgt Ion: 85 Resp: 383136

Ion Ratio Lower Upper

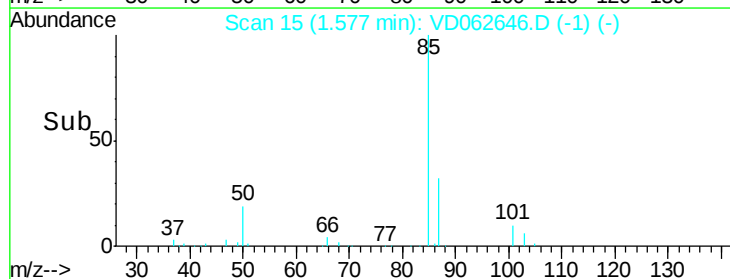
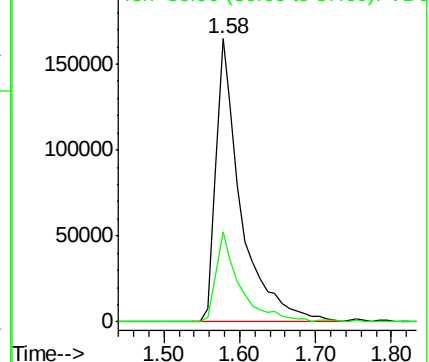
85 100

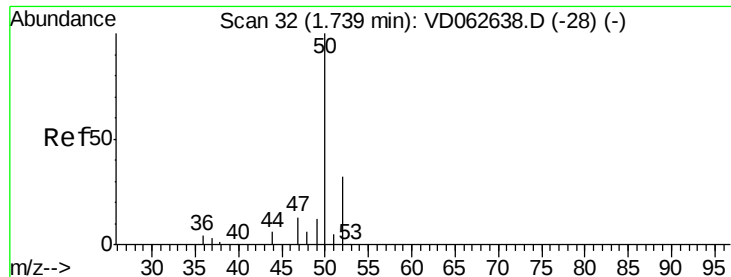
87 31.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.273 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

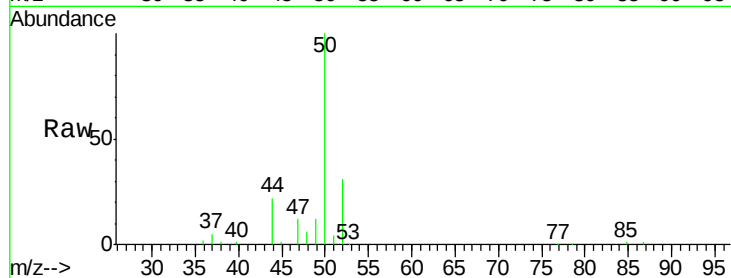
VSTDCCC050

Tgt Ion: 50 Resp: 308134

Ion Ratio Lower Upper

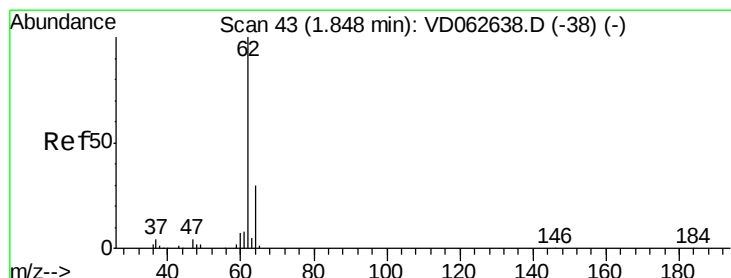
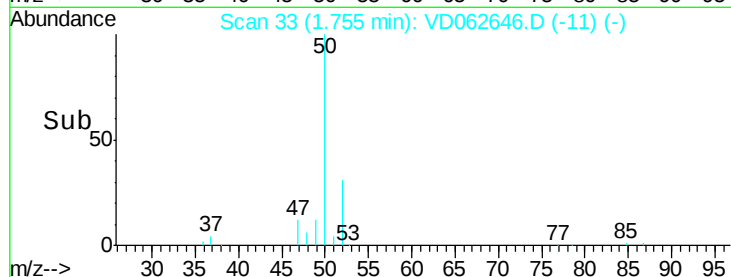
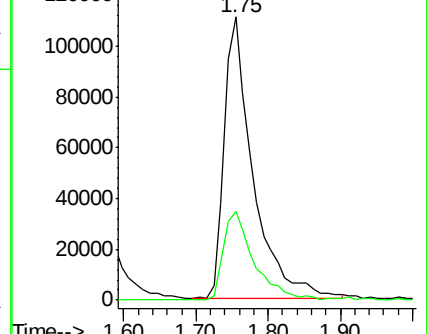
50 100

52 31.4 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: 44.570 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062646.D

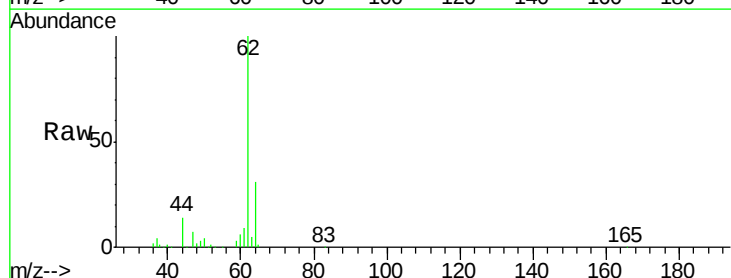
Acq: 10 Jun 2019 11:30

Tgt Ion: 62 Resp: 327257

Ion Ratio Lower Upper

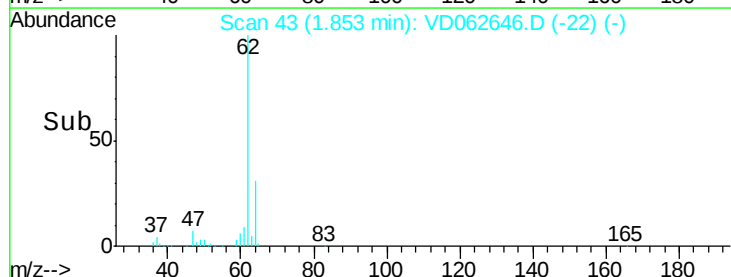
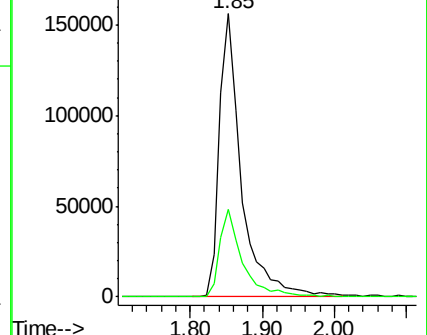
62 100

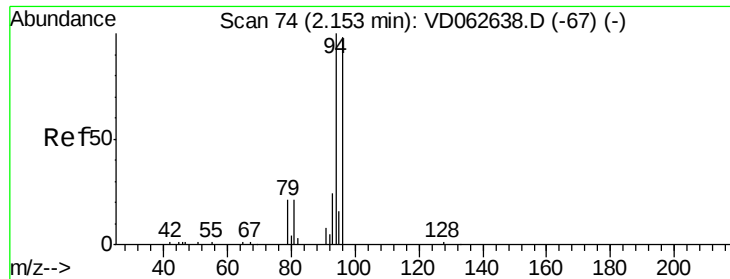
64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.030 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

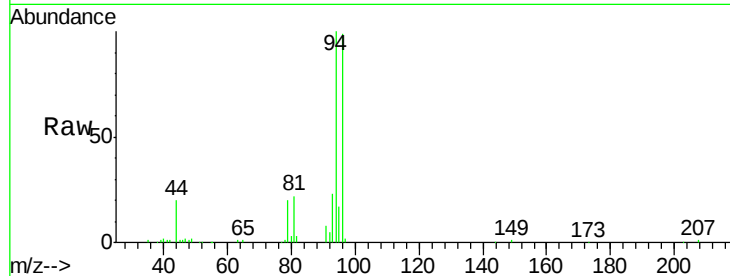
Tgt Ion: 94 Resp: 192842

Ion Ratio Lower Upper

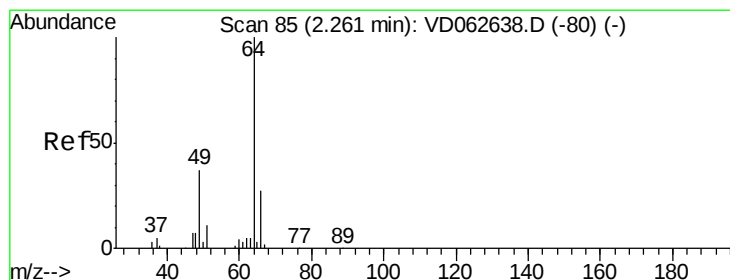
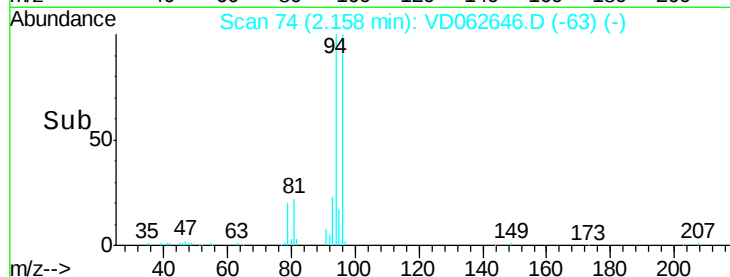
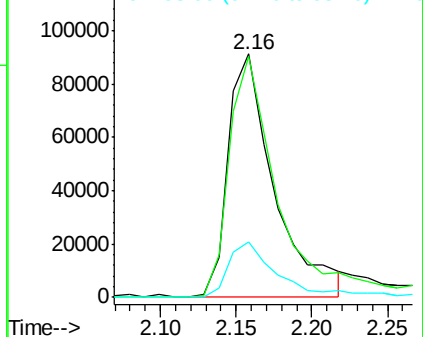
94 100

96 99.1 78.1 117.1

93 22.8 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: 50.252 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062646.D

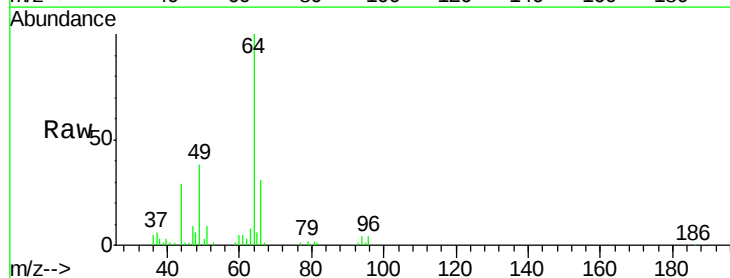
Acq: 10 Jun 2019 11:30

Tgt Ion: 64 Resp: 182172

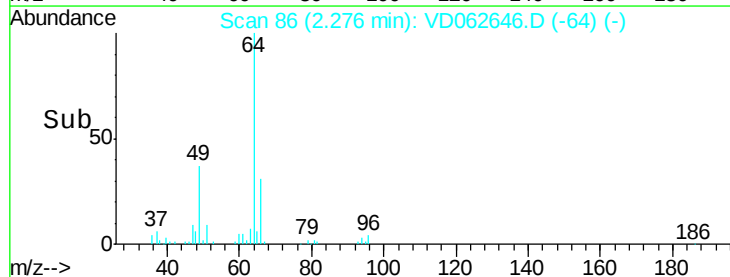
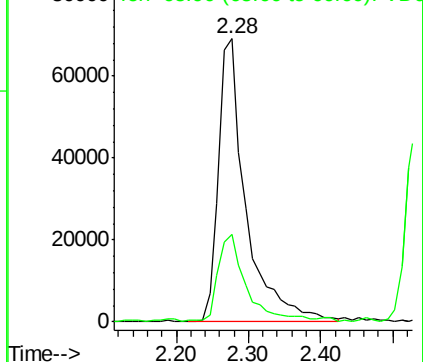
Ion Ratio Lower Upper

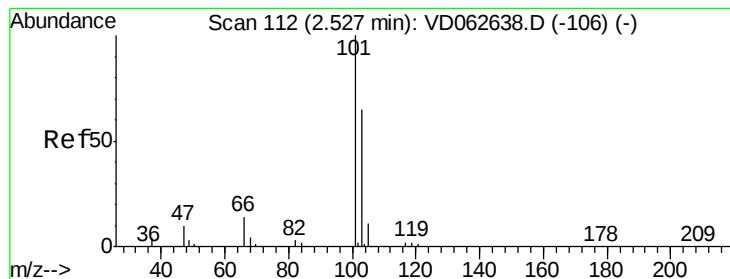
64 100

66 30.8 21.9 32.9



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



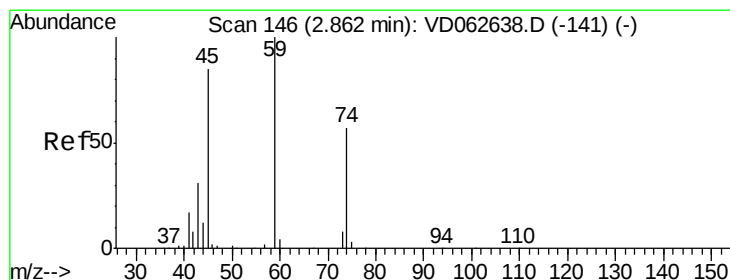
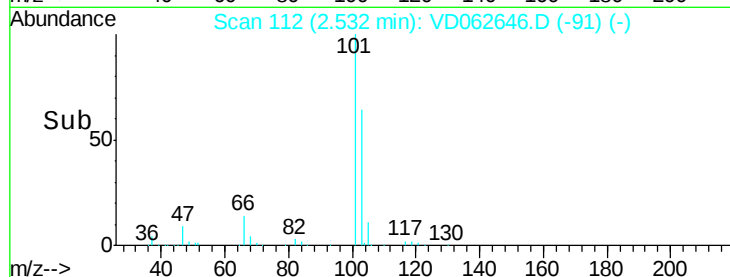
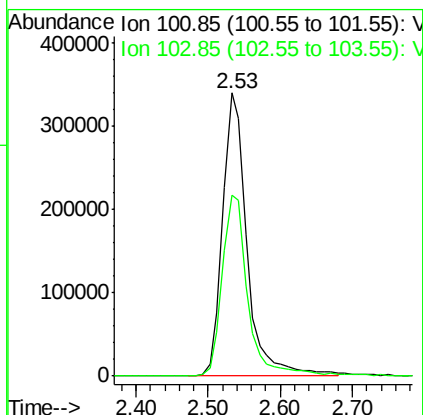
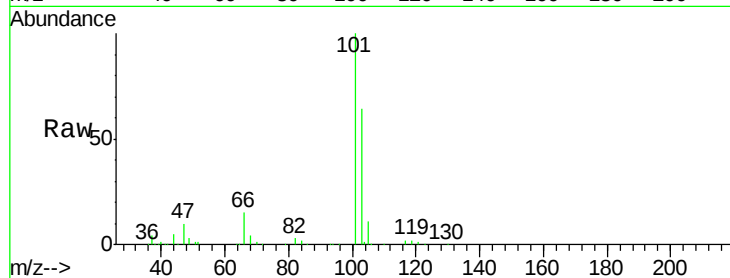


#7

Trichlorofluoromethane
 Concen: 48.540 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

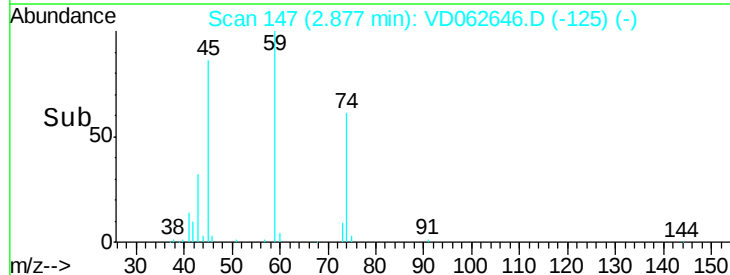
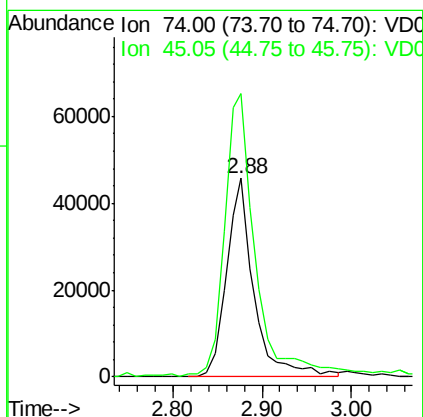
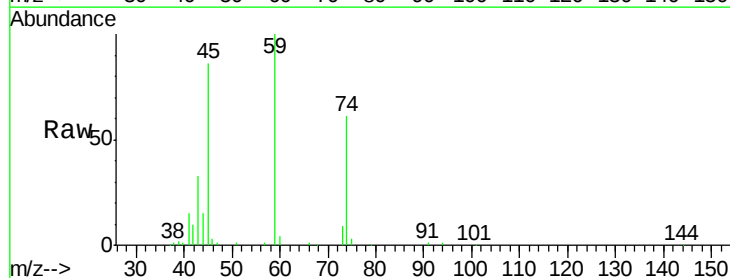
Tgt Ion:101 Resp: 797748
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.2 78.2

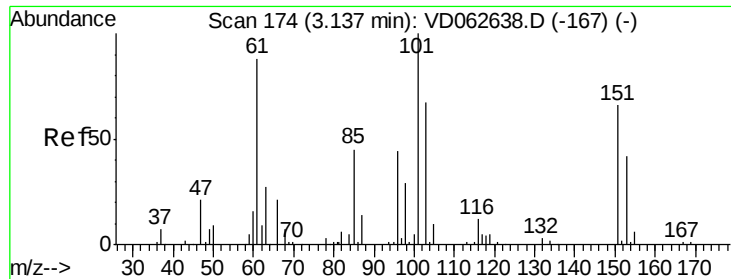


#8

Diethyl Ether
 Concen: 44.312 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 74 Resp: 99051
 Ion Ratio Lower Upper
 74 100
 45 142.4 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.114 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

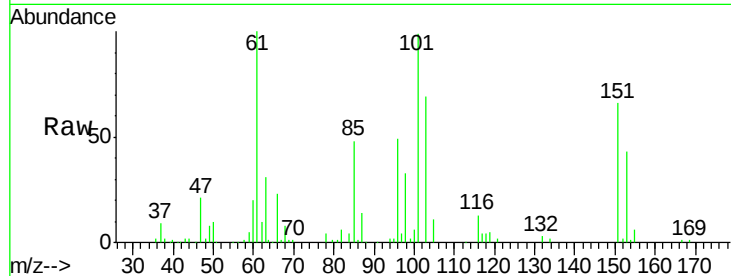
Tgt Ion:101 Resp: 408722

Ion Ratio Lower Upper

101 100

85 48.5 36.0 54.0

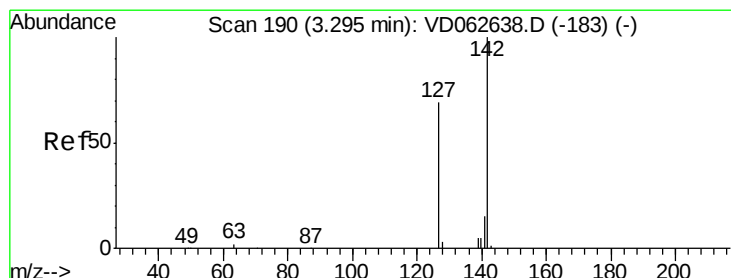
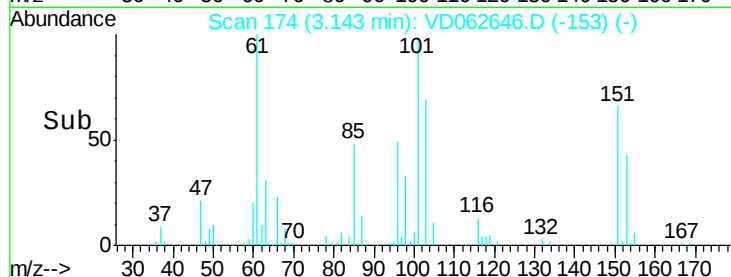
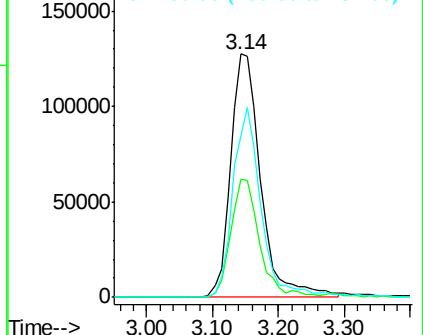
151 66.5 52.6 79.0



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: 42.318 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

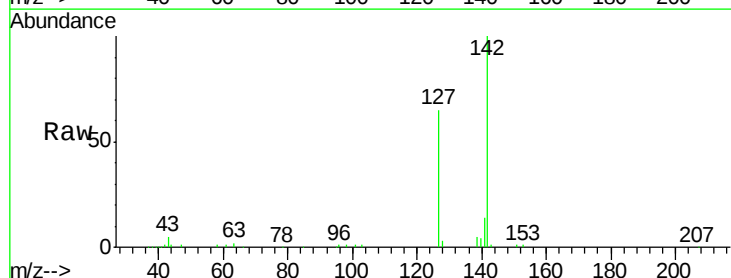
Tgt Ion:142 Resp: 535869

Ion Ratio Lower Upper

142 100

127 64.9 55.2 82.8

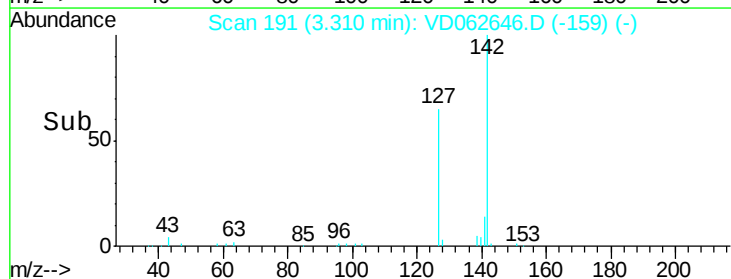
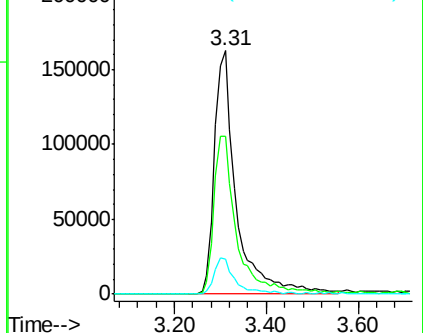
141 14.3 12.1 18.1

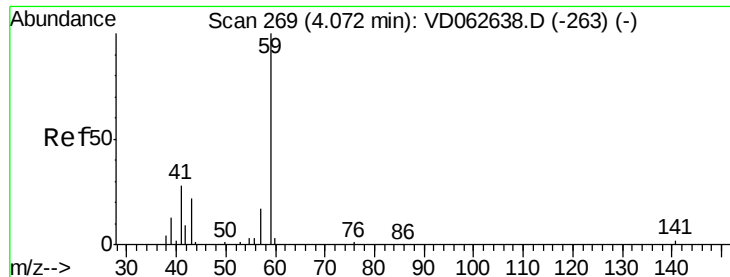


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

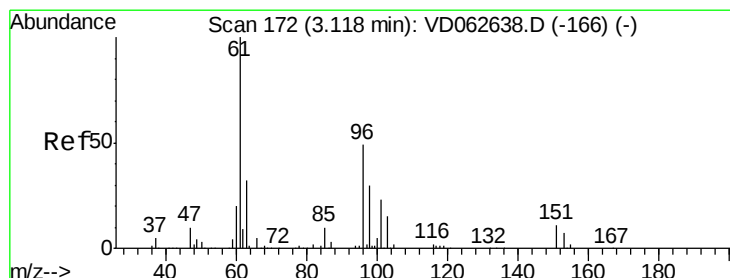
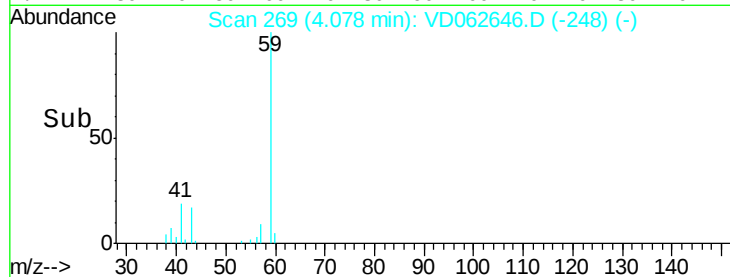
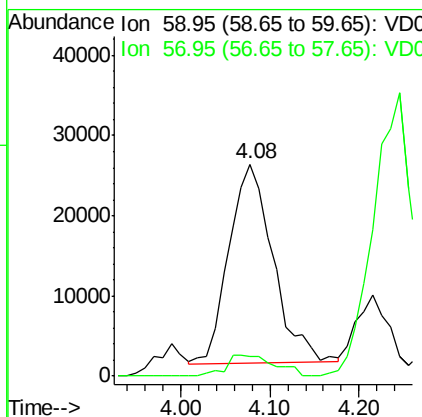
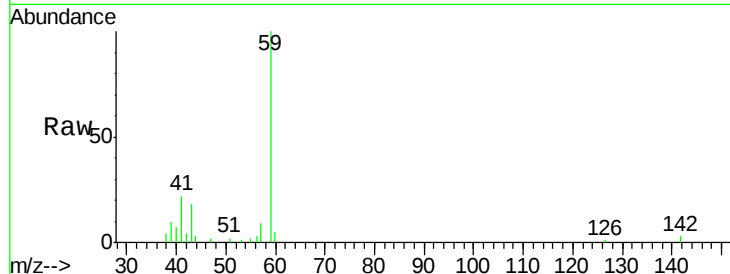




#11
Tert butyl alcohol
Concen: 199.420 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

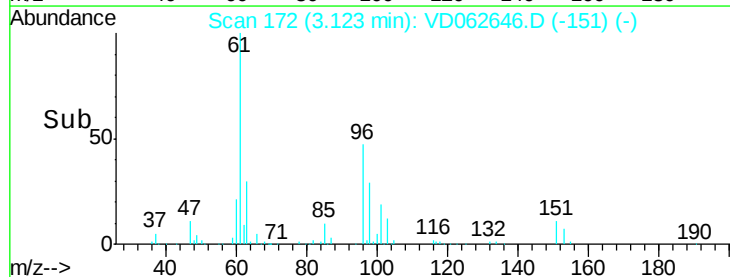
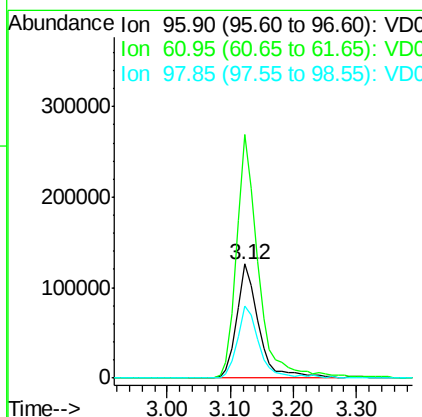
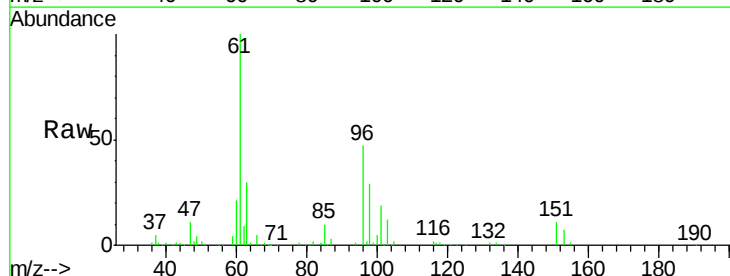
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

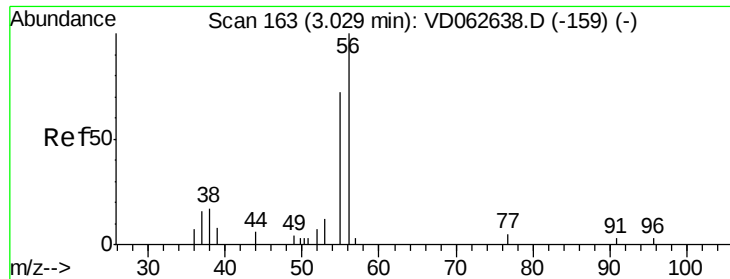
Tgt Ion: 59 Resp: 85123
Ion Ratio Lower Upper
59 100
57 9.2 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 47.484 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 96 Resp: 302033
Ion Ratio Lower Upper
96 100
61 213.1 161.8 242.8
98 62.7 48.2 72.4





#13

Acrolein

Concen: 240.704 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

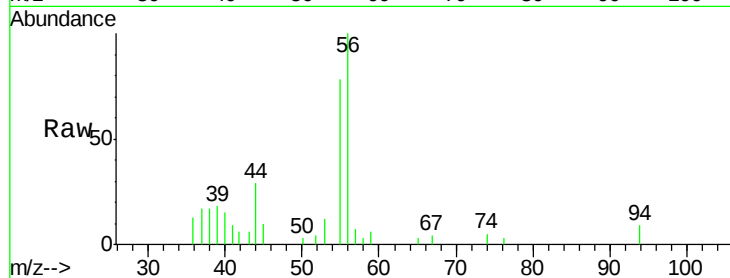
VSTDCCC050

Tgt Ion: 56 Resp: 33050

Ion Ratio Lower Upper

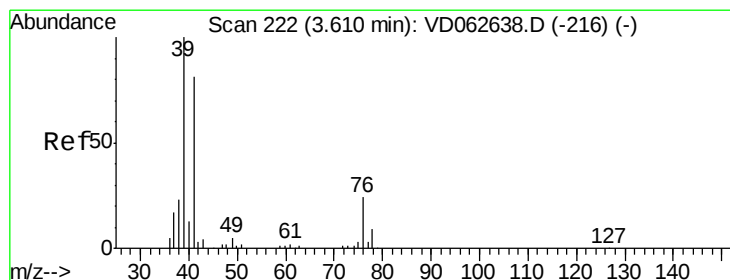
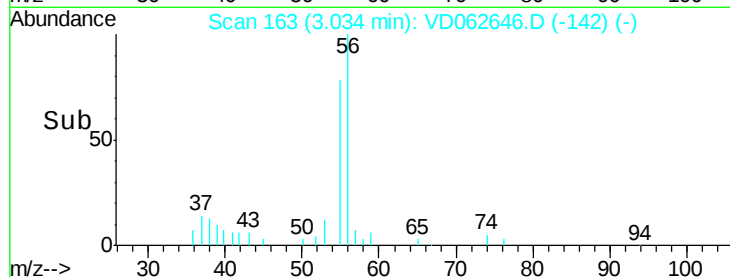
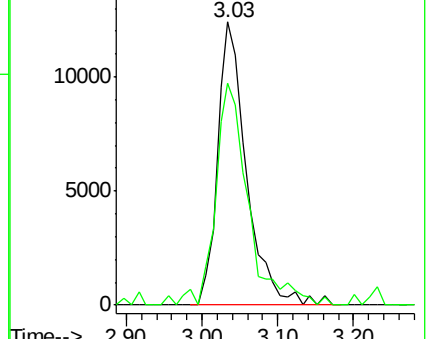
56 100

55 78.5 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: 46.638 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

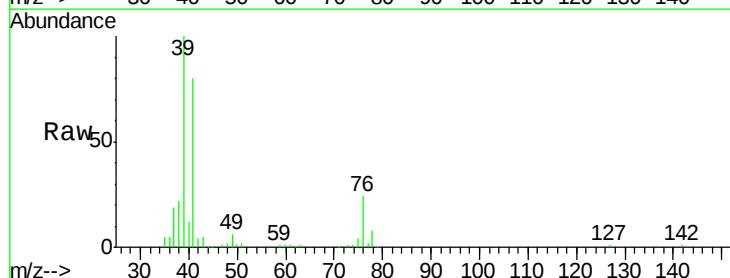
Tgt Ion: 41 Resp: 456130

Ion Ratio Lower Upper

41 100

39 124.2 99.1 148.7

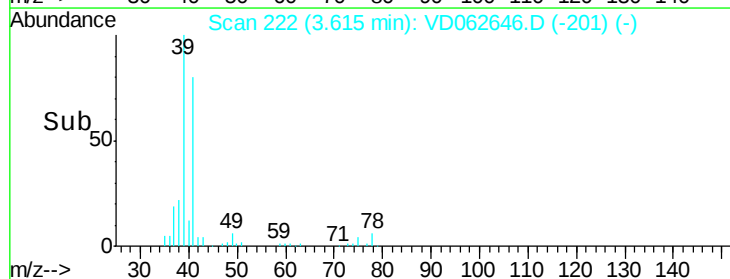
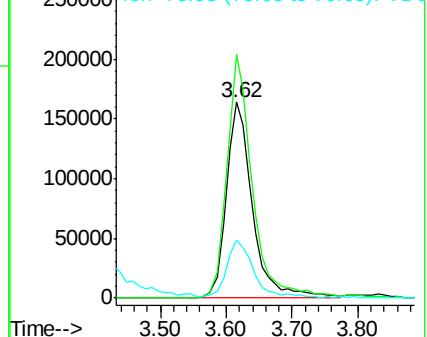
76 29.6 25.0 37.6

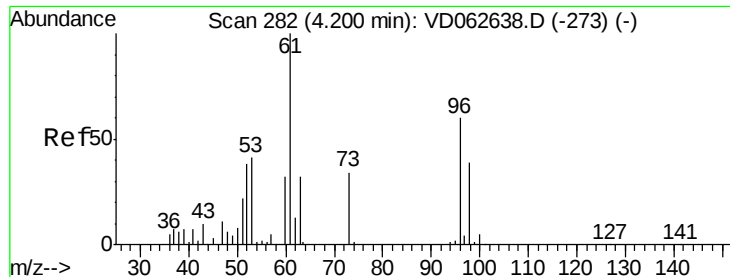


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 224.869 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

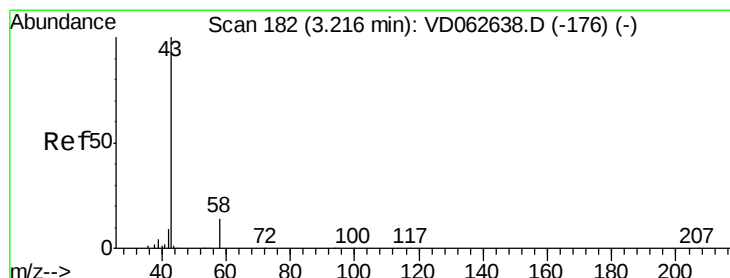
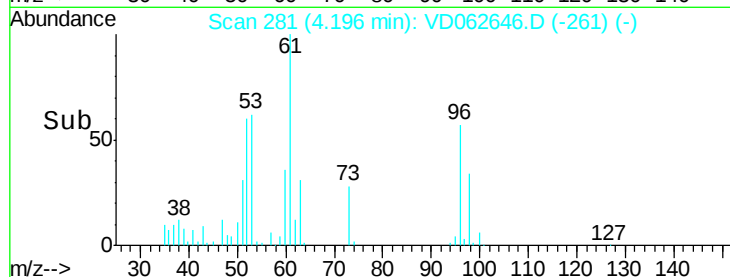
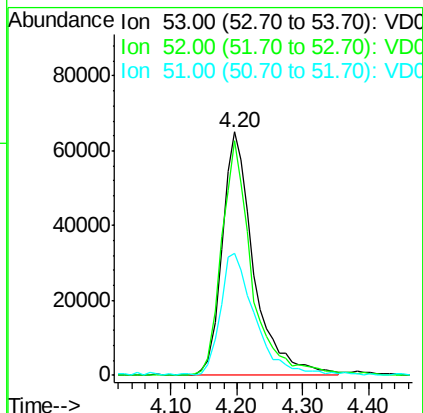
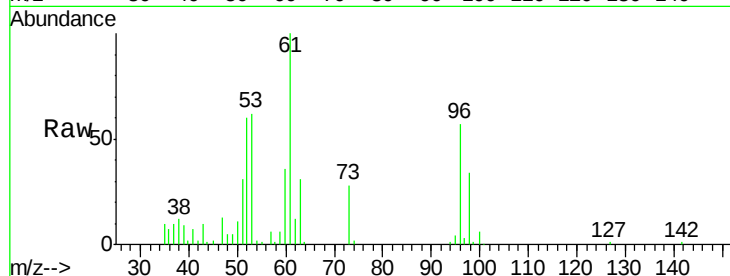
Tgt Ion: 53 Resp: 218120

Ion Ratio Lower Upper

53 100

52 96.5 73.6 110.4

51 49.9 42.0 63.0



#16

Acetone

Concen: 268.241 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062646.D

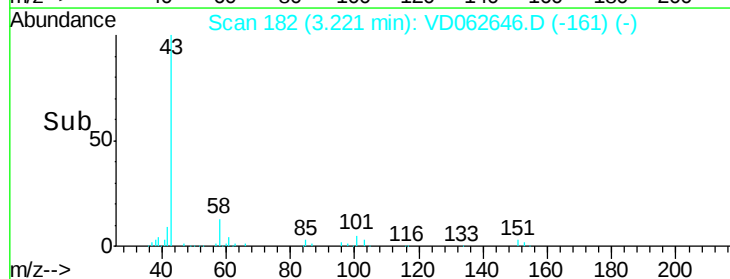
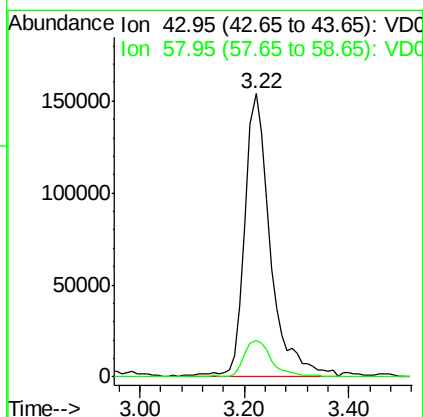
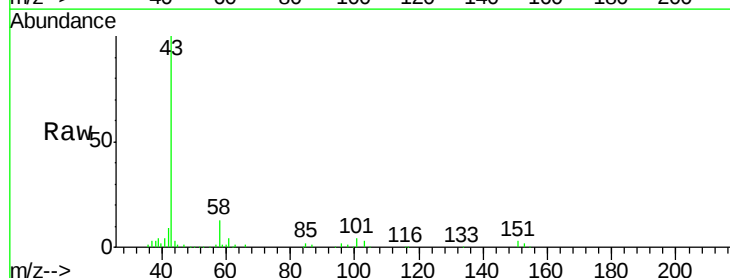
Acq: 10 Jun 2019 11:30

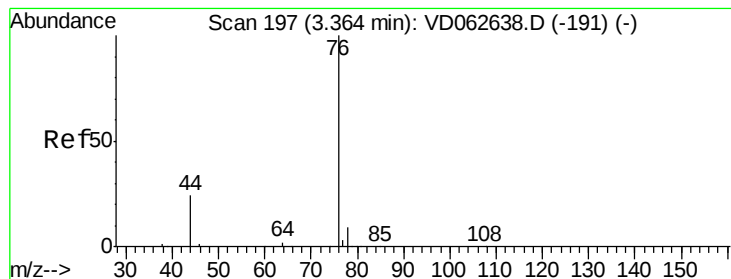
Tgt Ion: 43 Resp: 510076

Ion Ratio Lower Upper

43 100

58 12.7 10.8 16.2





#17

Carbon Disulfide

Concen: 47.359 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

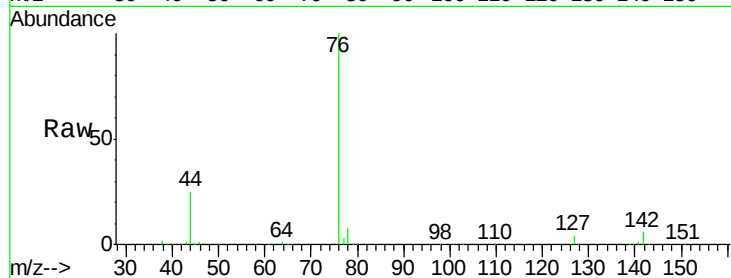
VSTDCCC050

Tgt Ion: 76 Resp: 887694

Ion Ratio Lower Upper

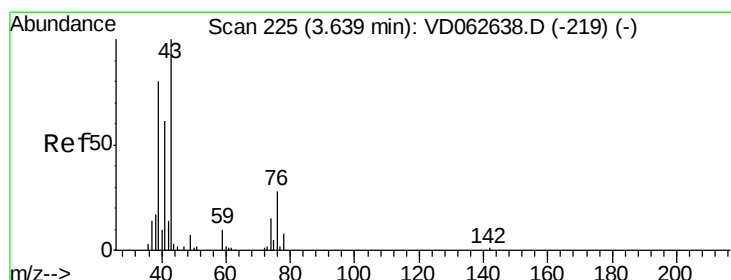
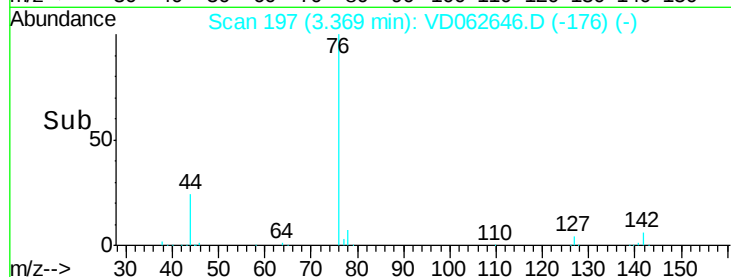
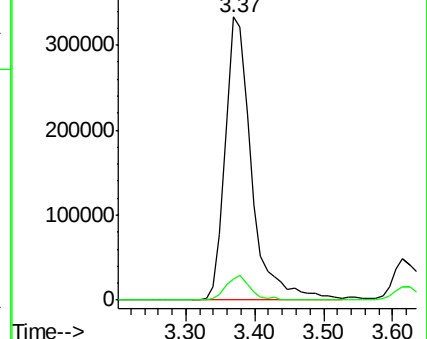
76 100

78 7.6 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: 40.874 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062646.D

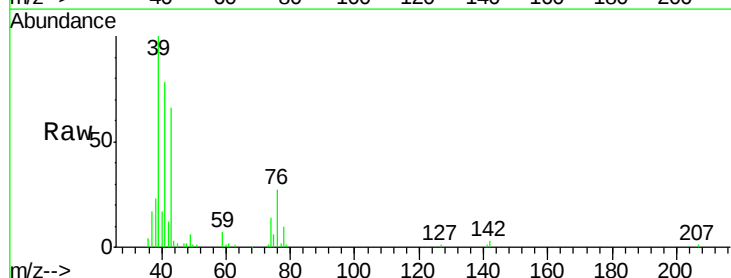
Acq: 10 Jun 2019 11:30

Tgt Ion: 43 Resp: 127734

Ion Ratio Lower Upper

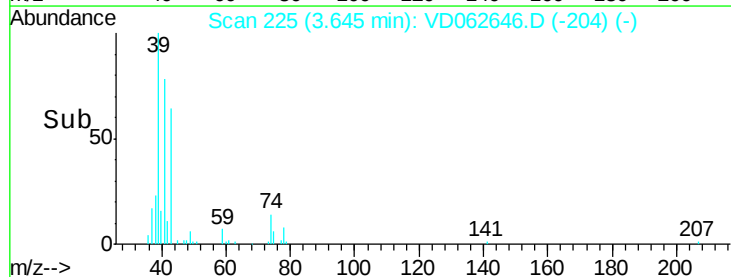
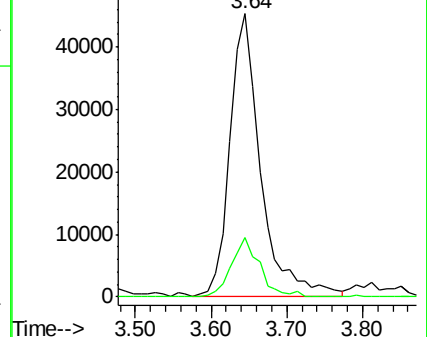
43 100

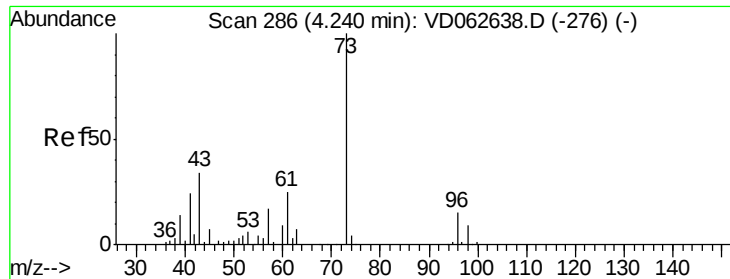
74 21.1 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

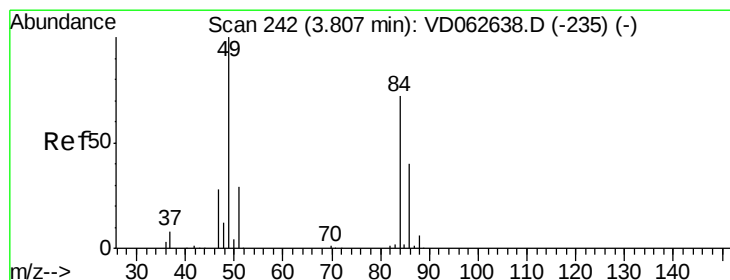
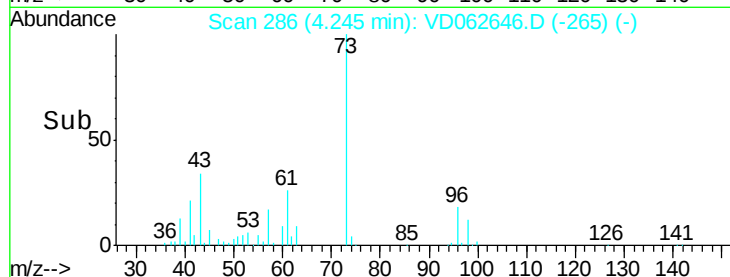
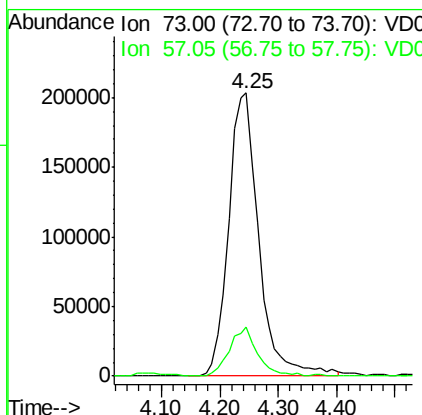
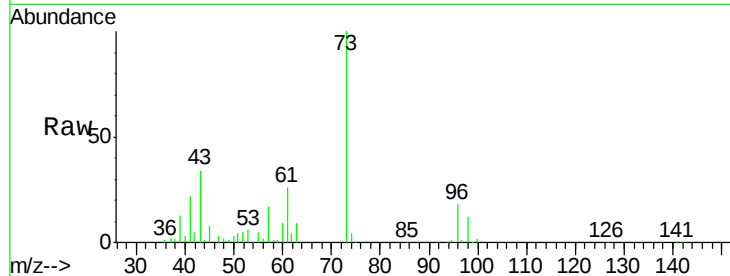




#19
Methyl tert-butyl Ether
Concen: 47.245 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

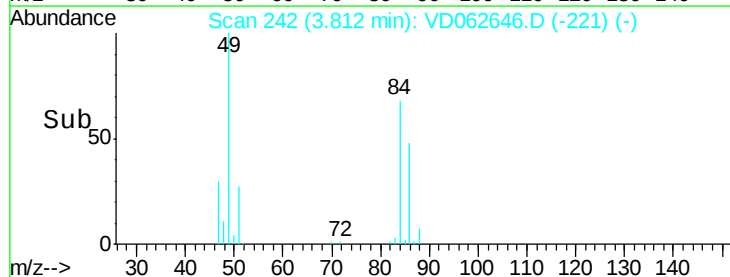
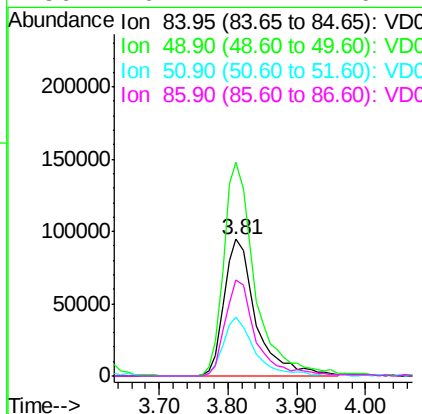
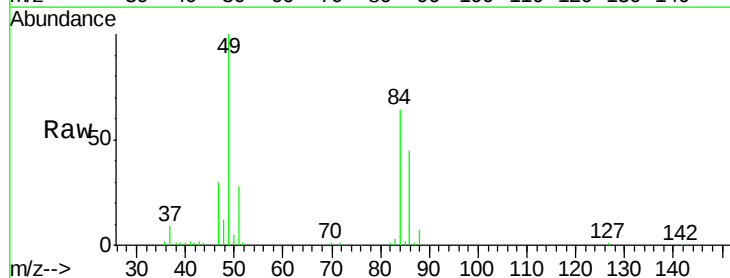
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

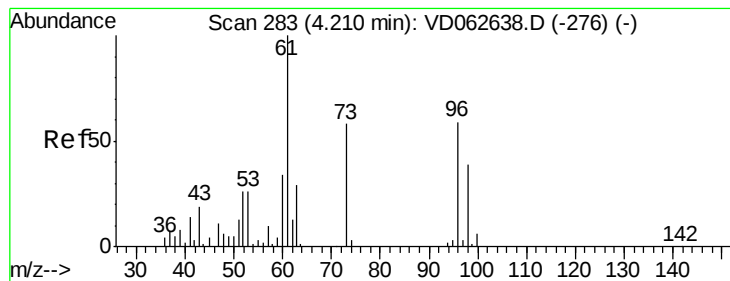
Tgt Ion: 73 Resp: 732918
Ion Ratio Lower Upper
73 100
57 17.4 13.5 20.3



#20
Methylene Chloride
Concen: 42.041 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 84 Resp: 302553
Ion Ratio Lower Upper
84 100
49 156.3 111.2 166.8
51 43.2 31.9 47.9
86 70.4 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 44.944 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

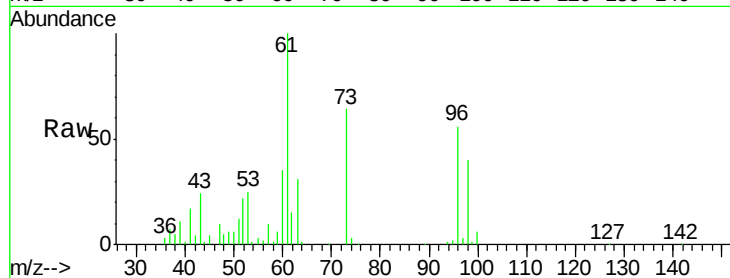
Tgt Ion: 96 Resp: 313577

Ion Ratio Lower Upper

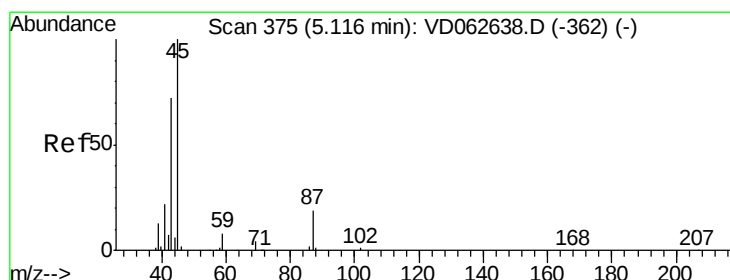
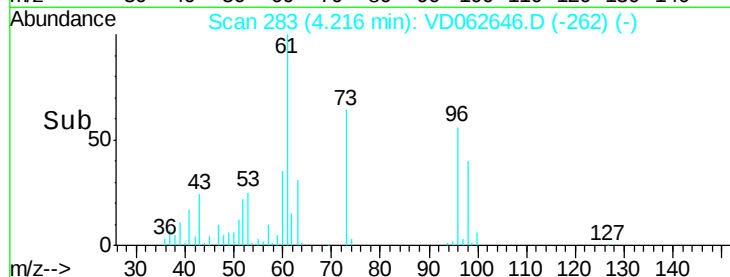
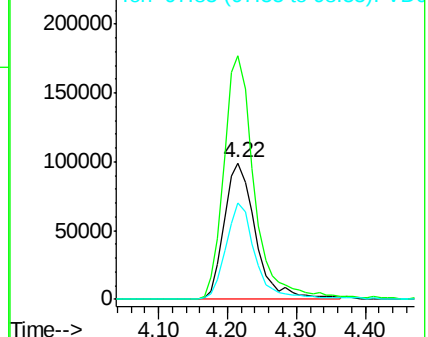
96 100

61 178.1 134.6 201.8

98 70.8 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: 47.490 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion: 45 Resp: 964392

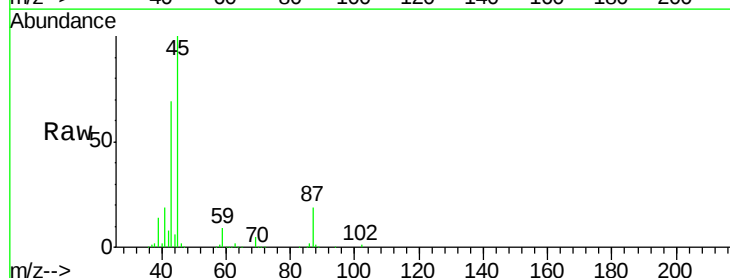
Ion Ratio Lower Upper

45 100

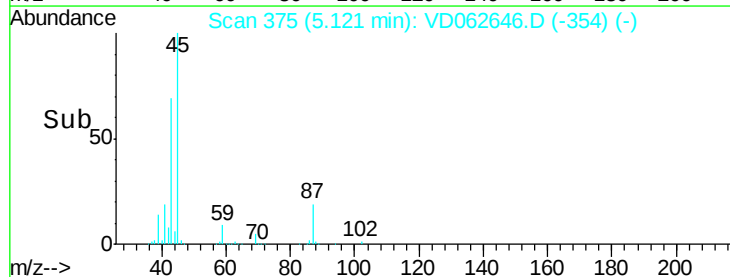
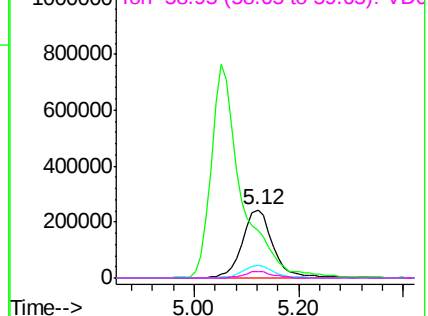
43 68.9 58.8 88.2

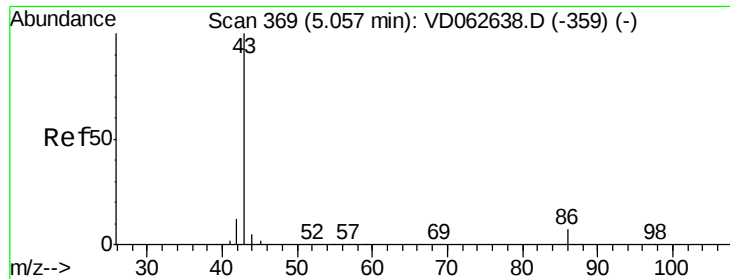
87 18.9 15.7 23.5

59 9.3 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: 240.075 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

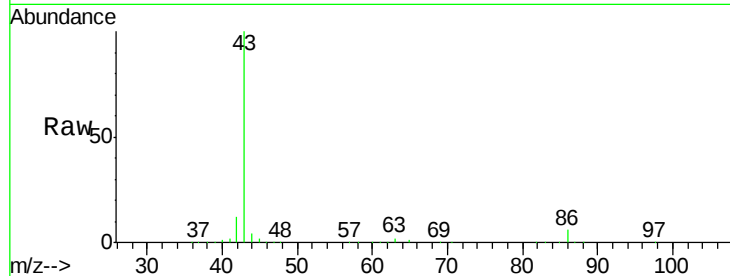
VSTDCCC050

Tgt Ion: 43 Resp: 3024566

Ion Ratio Lower Upper

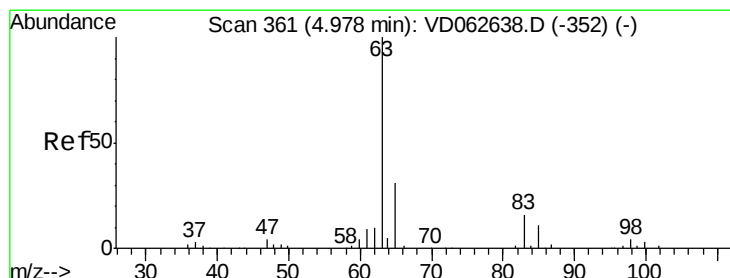
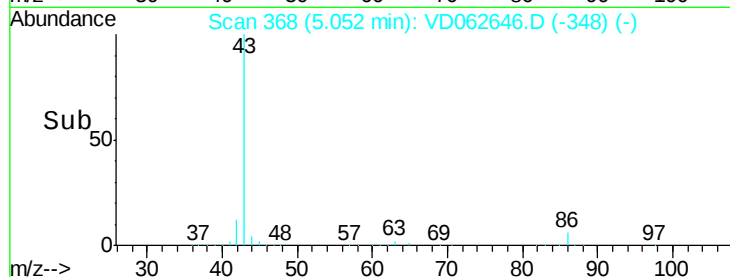
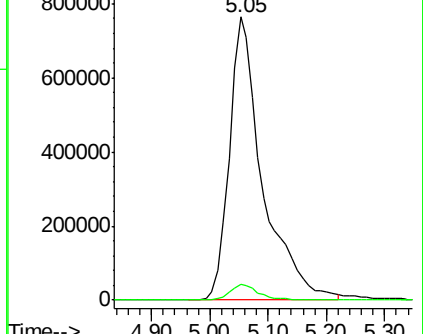
43 100

86 5.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.259 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

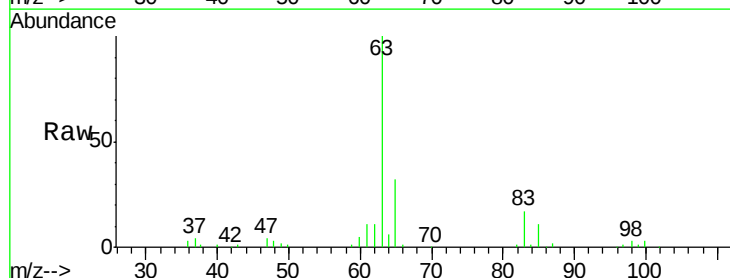
Tgt Ion: 63 Resp: 604338

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.4

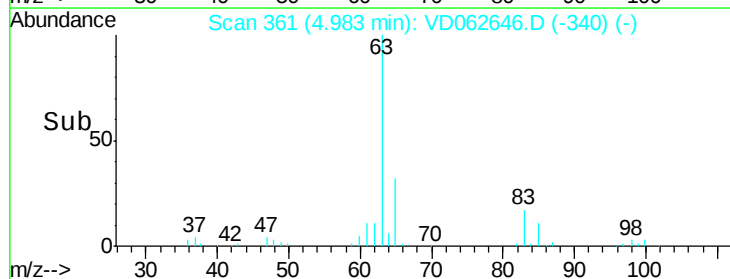
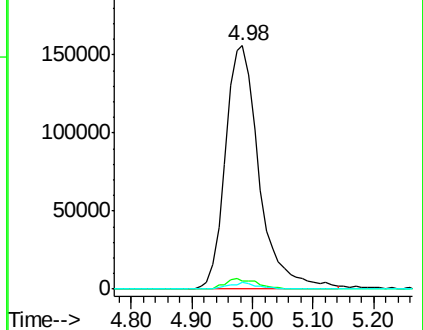
100 2.9 1.5 4.4



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





#25

2-Butanone

Concen: 227.311 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

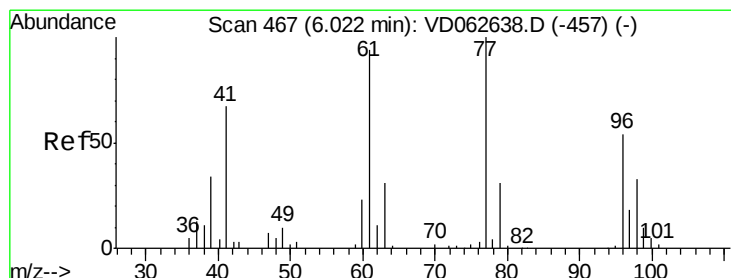
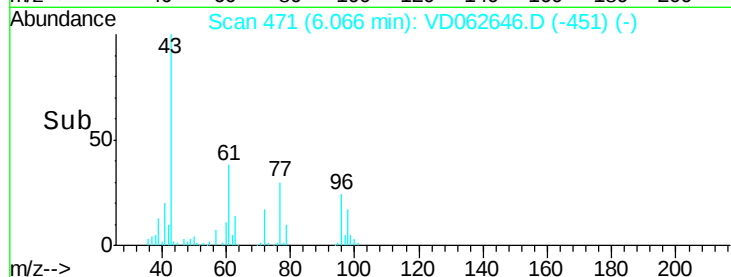
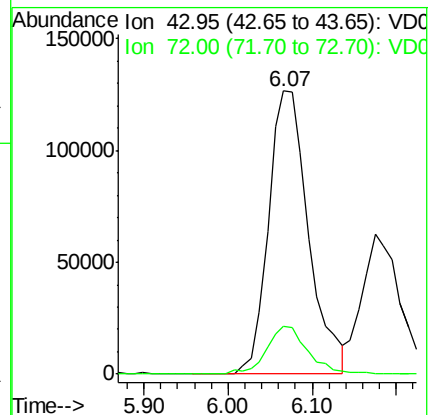
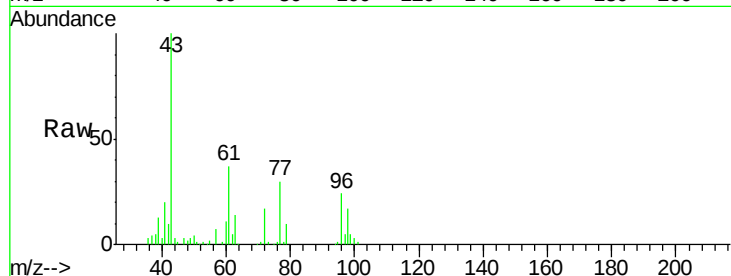
VSTDCCC050

Tgt Ion: 43 Resp: 421692

Ion Ratio Lower Upper

43 100

72 16.8 13.5 20.3



#26

2,2-Dichloropropane

Concen: 48.709 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062646.D

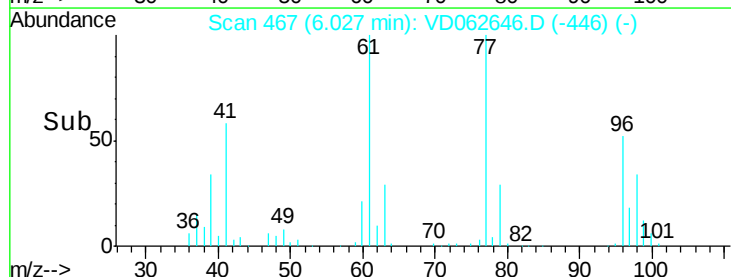
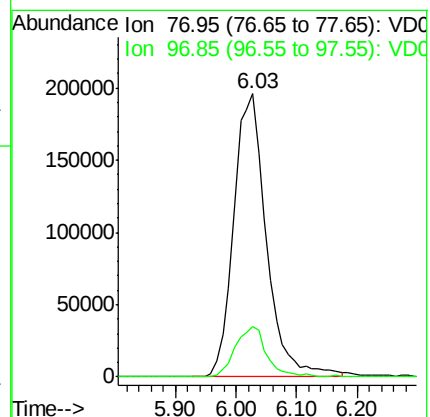
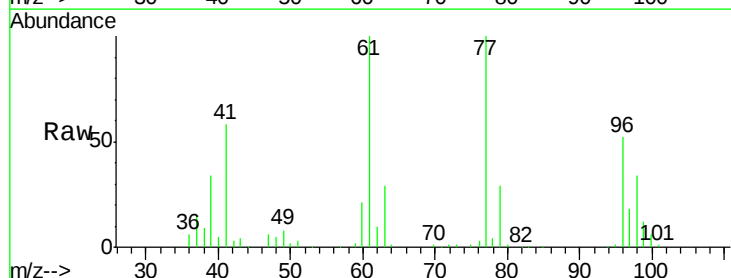
Acq: 10 Jun 2019 11:30

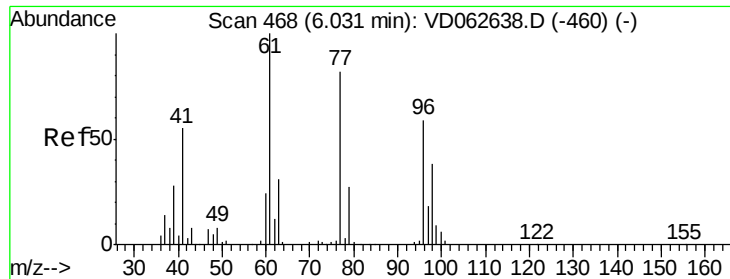
Tgt Ion: 77 Resp: 733392

Ion Ratio Lower Upper

77 100

97 17.6 8.8 26.5



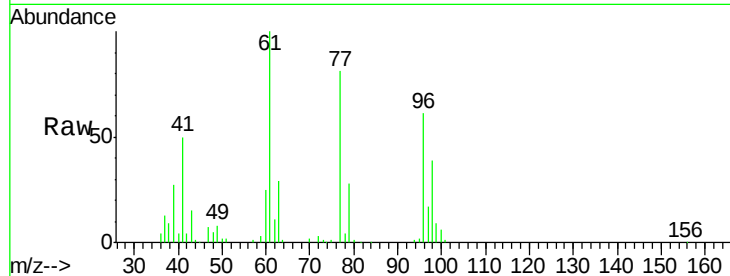


#27

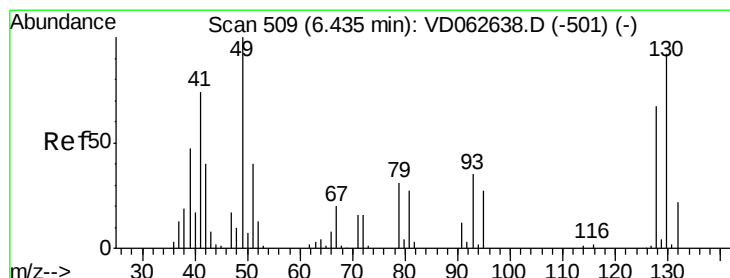
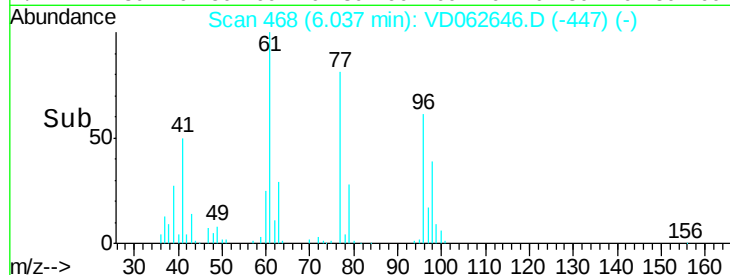
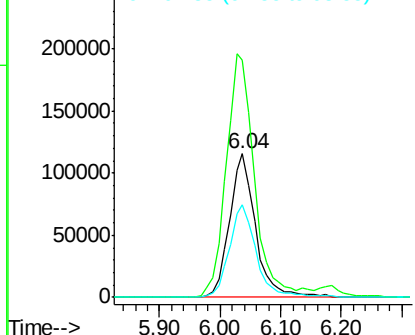
cis-1,2-Dichloroethene
Concen: 45.601 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 344916
Ion Ratio Lower Upper
96 100
61 165.2 0.0 340.0
98 64.3 0.0 127.6



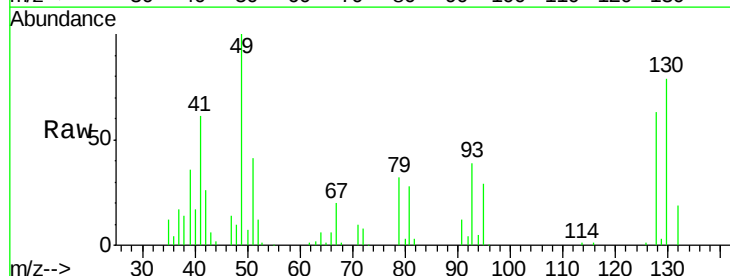
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



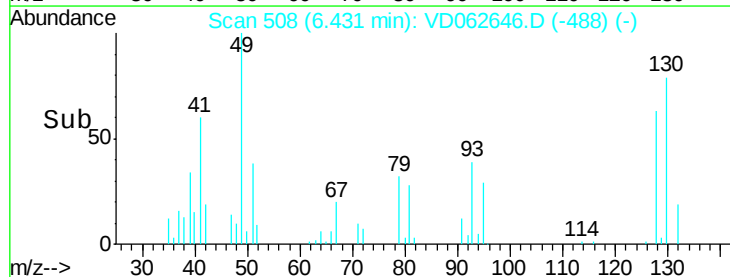
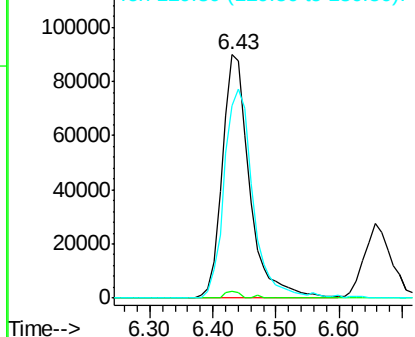
#28

Bromochloromethane
Concen: 54.332 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 49 Resp: 271330
Ion Ratio Lower Upper
49 100
129 2.9 0.0 8.2
130 79.1 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: 213.324 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

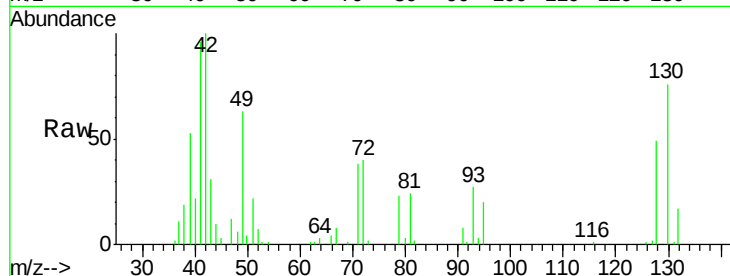
Tgt Ion: 42 Resp: 178215

Ion Ratio Lower Upper

42 100

72 41.4 33.8 50.6

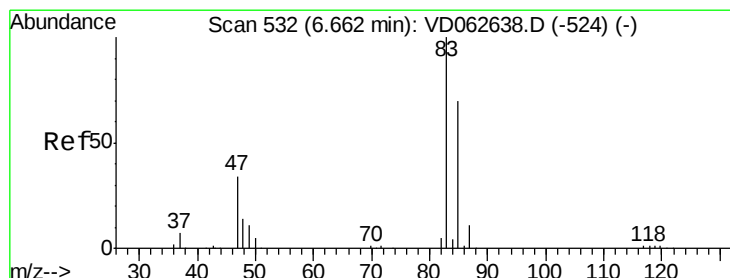
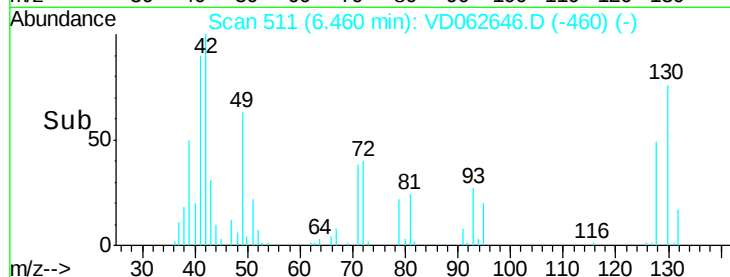
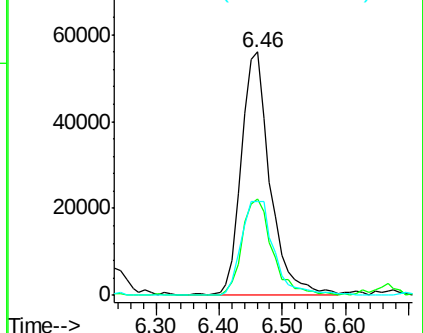
71 44.2 34.2 51.4



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: 47.041 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD062646.D

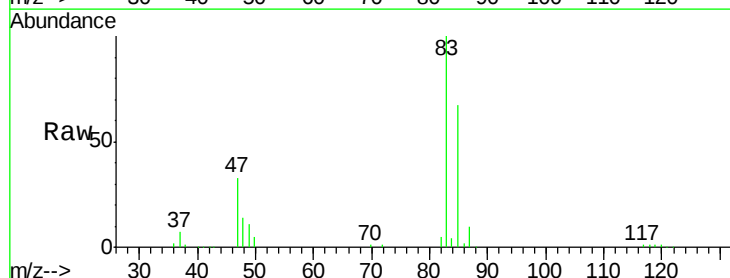
Acq: 10 Jun 2019 11:30

Tgt Ion: 83 Resp: 788477

Ion Ratio Lower Upper

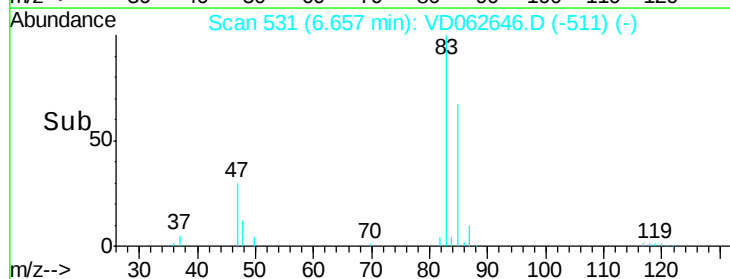
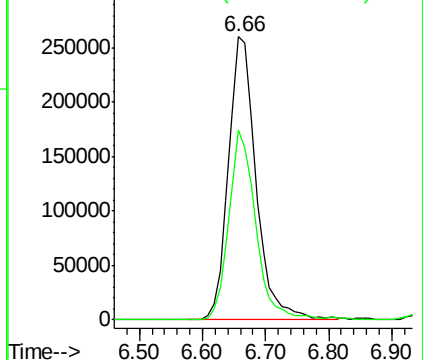
83 100

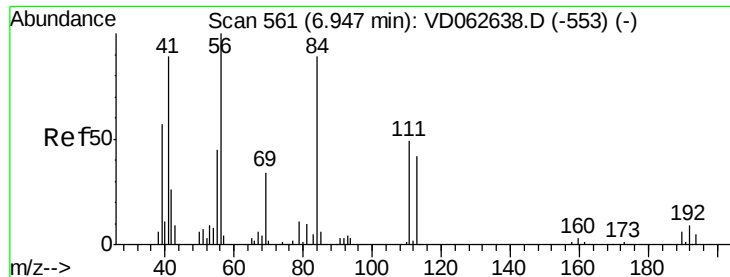
85 66.9 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

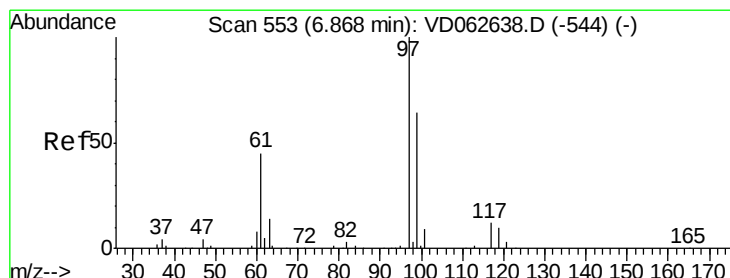
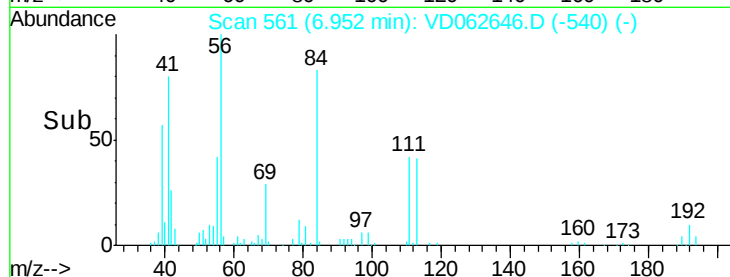
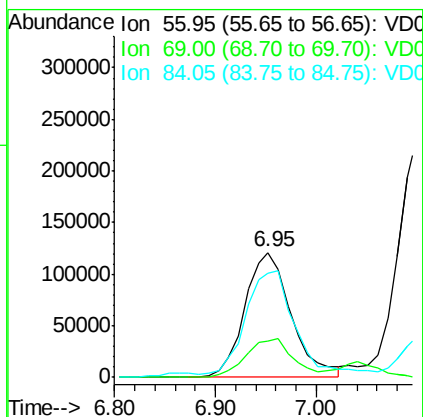
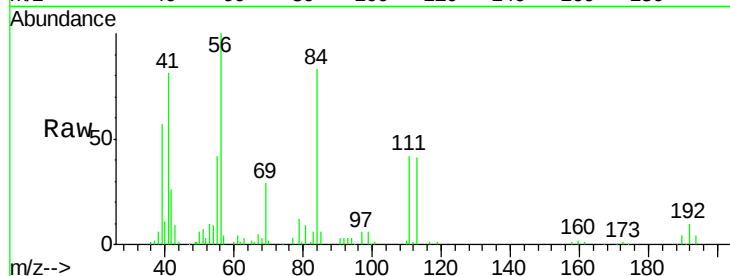




#31
Cyclohexane
Concen: 47.221 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

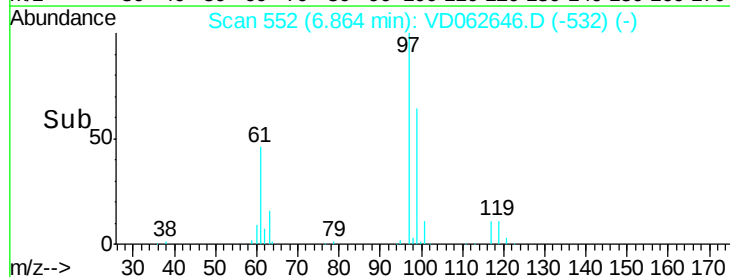
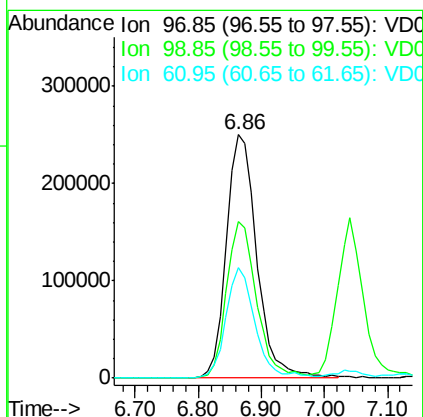
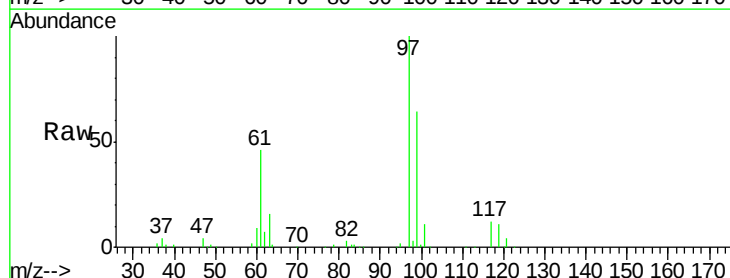
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

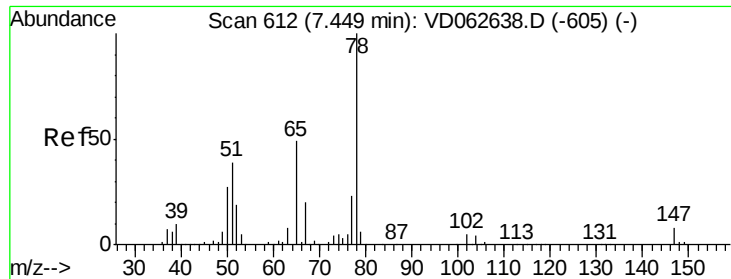
Tgt Ion: 56 Resp: 386975
Ion Ratio Lower Upper
56 100
69 28.7 26.8 40.2
84 83.2 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 50.061 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 97 Resp: 834951
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 45.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 57.116 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

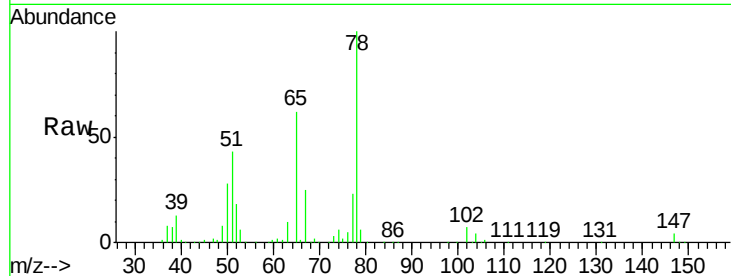
VSTDCCC050

Tgt Ion: 65 Resp: 593117

Ion Ratio Lower Upper

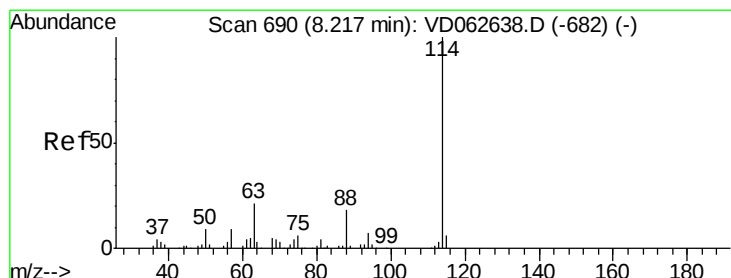
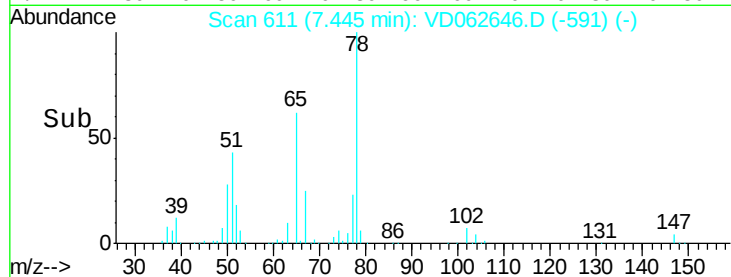
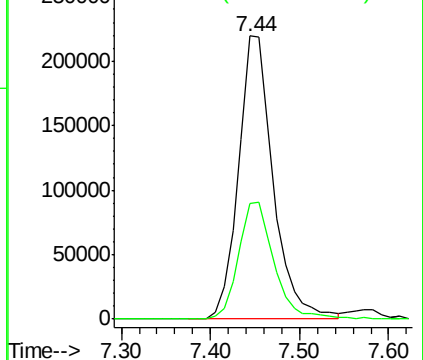
65 100

67 40.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

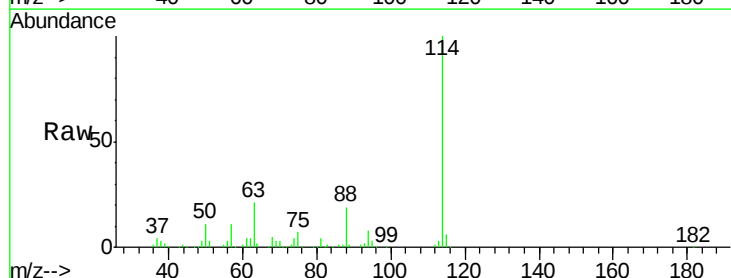
Tgt Ion: 114 Resp: 936863

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

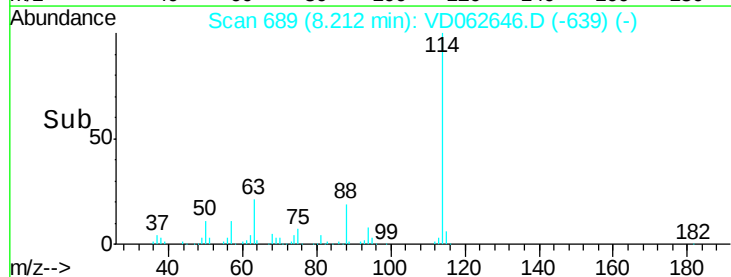
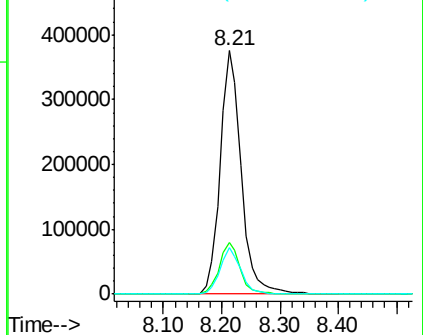
88 19.1 0.0 36.8

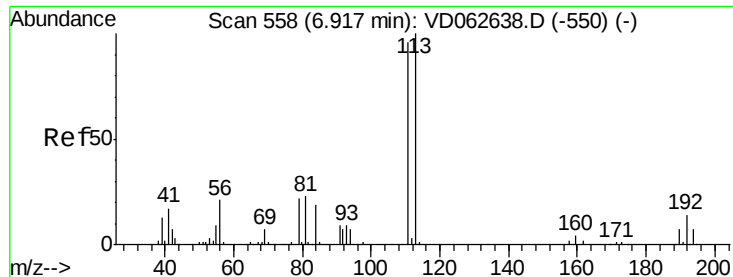


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.258 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

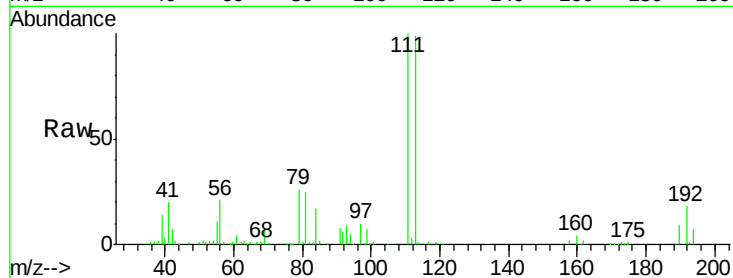
Tgt Ion:113 Resp: 555853

Ion Ratio Lower Upper

113 100

111 101.1 76.4 114.6

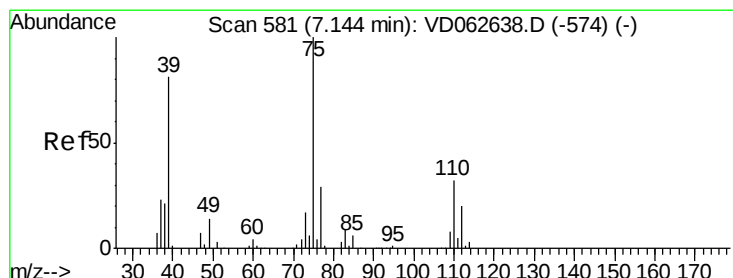
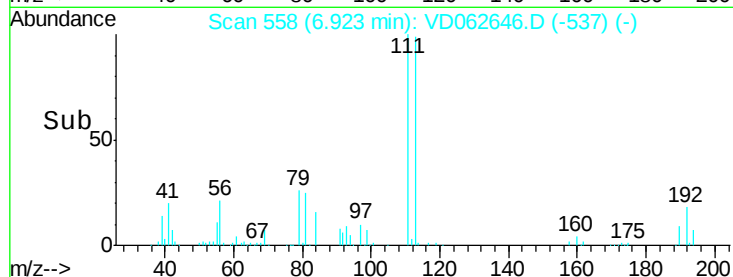
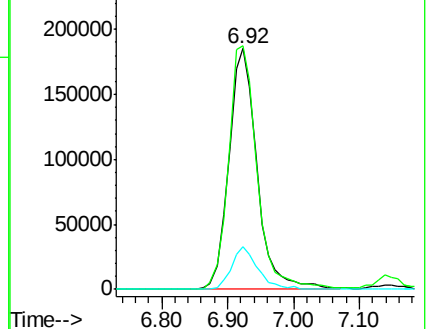
192 17.7 11.4 17.0#



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: 50.890 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

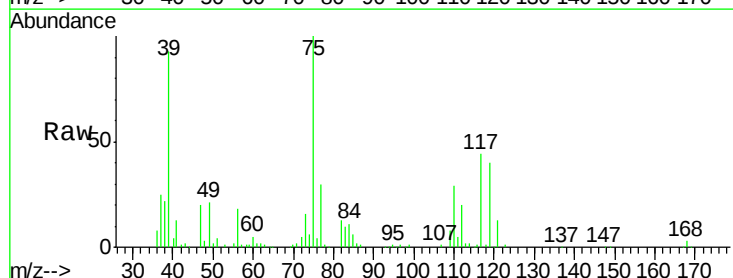
Tgt Ion: 75 Resp: 545658

Ion Ratio Lower Upper

75 100

110 28.6 15.9 47.7

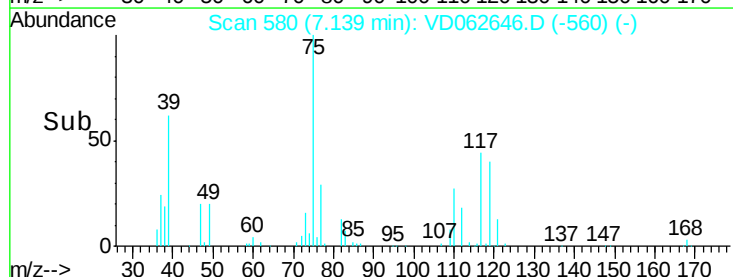
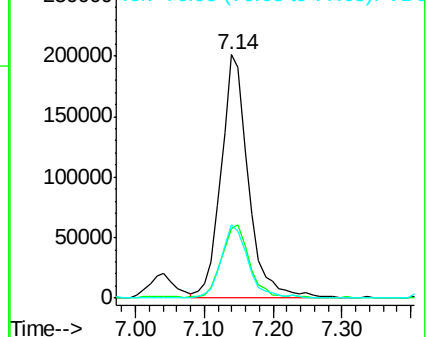
77 30.0 23.3 34.9

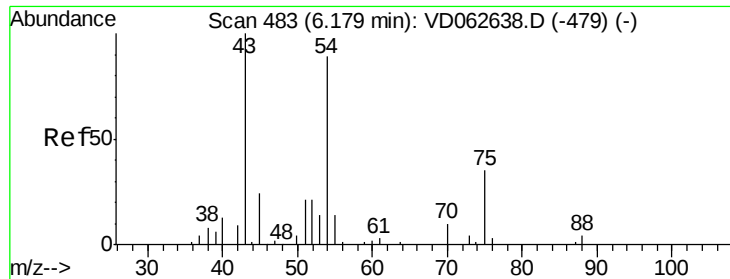


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 43.933 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

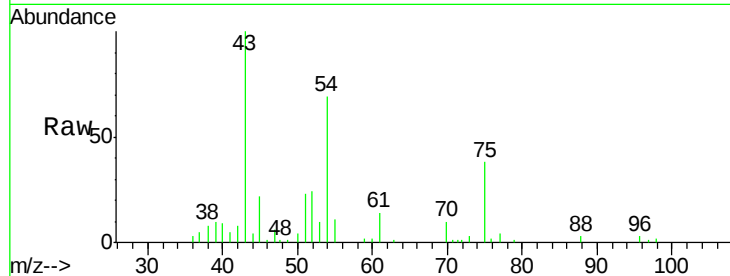
Tgt Ion: 43 Resp: 200172

Ion Ratio Lower Upper

43 100

61 14.1 8.7 13.1#

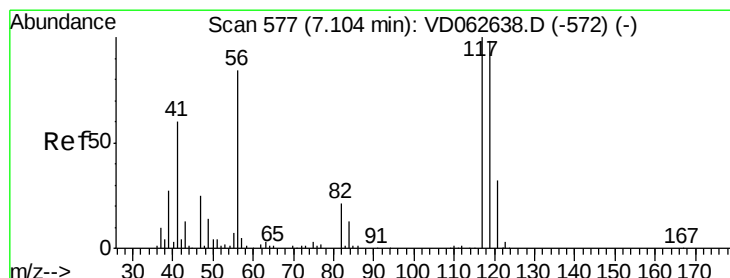
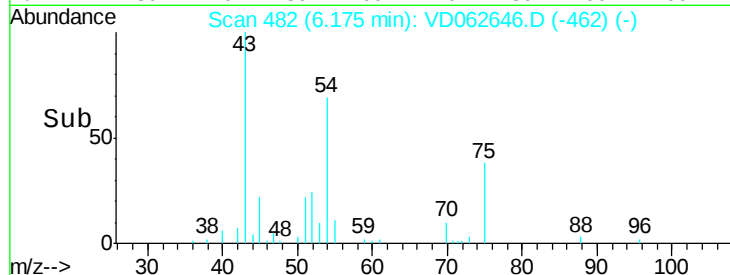
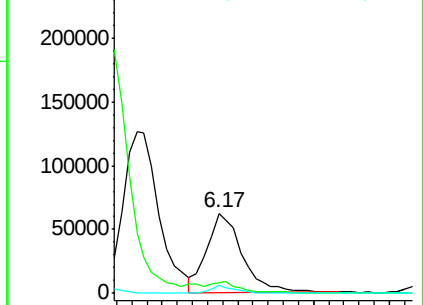
70 10.6 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 54.698 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

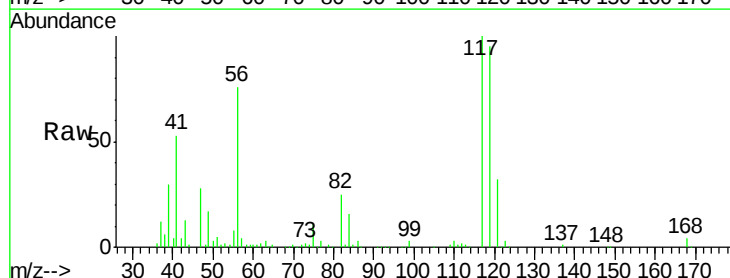
Tgt Ion: 117 Resp: 927013

Ion Ratio Lower Upper

117 100

119 95.2 73.5 110.3

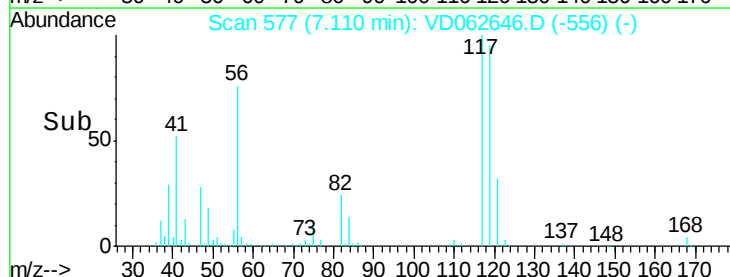
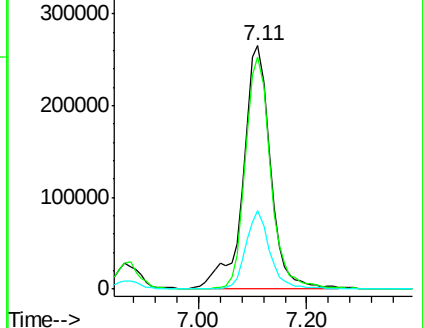
121 32.1 24.2 36.4

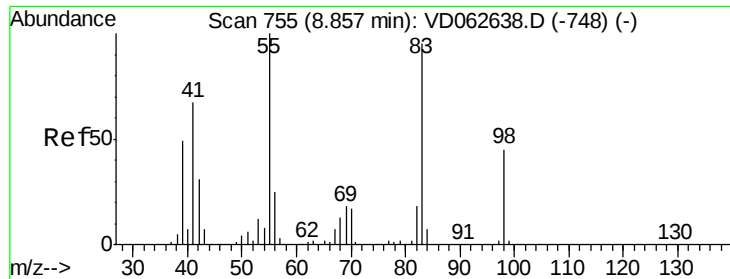


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

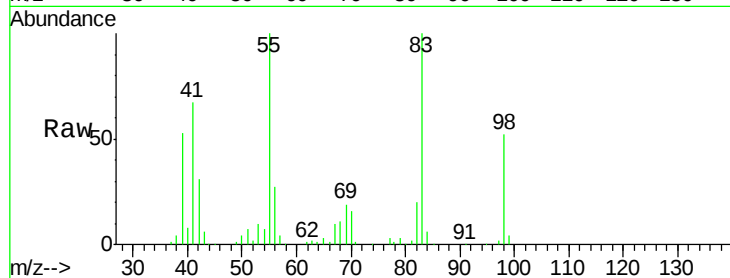




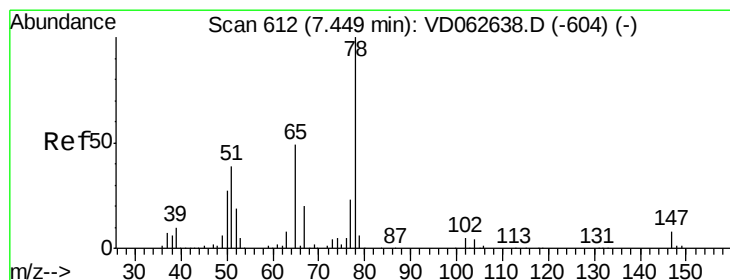
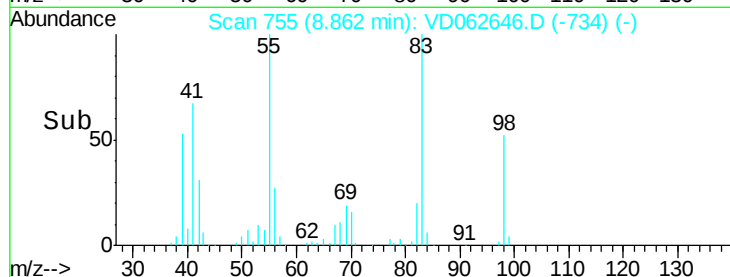
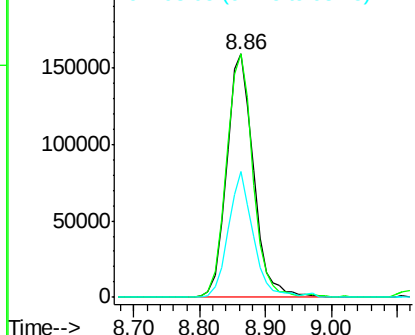
#39
Methylcyclohexane
Concen: 52.215 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 452425
Ion Ratio Lower Upper
83 100
55 100.2 84.6 127.0
98 51.7 38.2 57.4

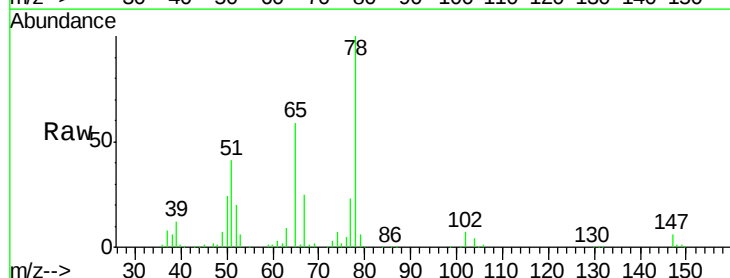


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

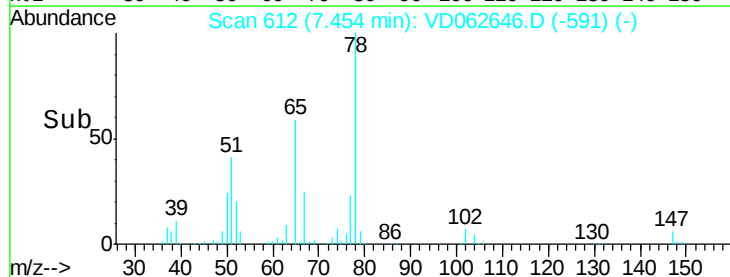
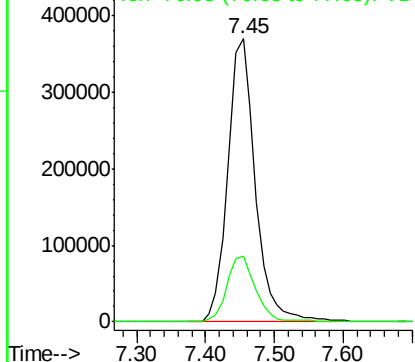


#40
Benzene
Concen: 49.090 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 78 Resp: 1027926
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0



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





#41

Methacrylonitrile

Concen: 46.017 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 258289

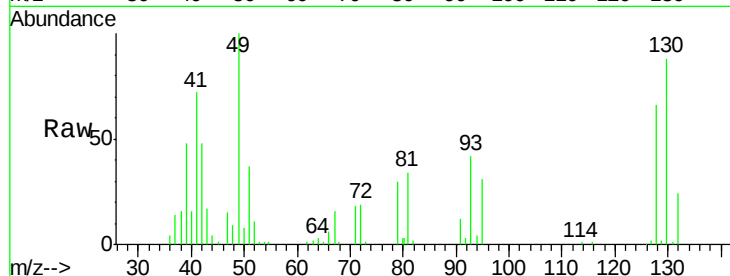
Ion Ratio Lower Upper

41 100

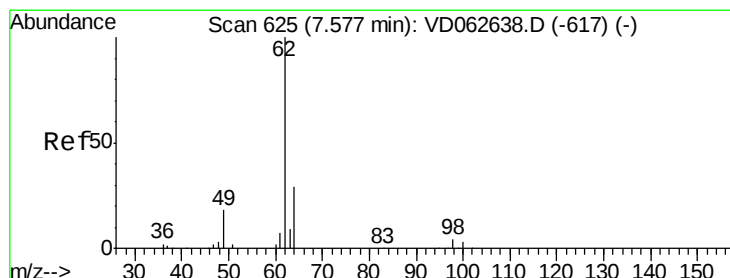
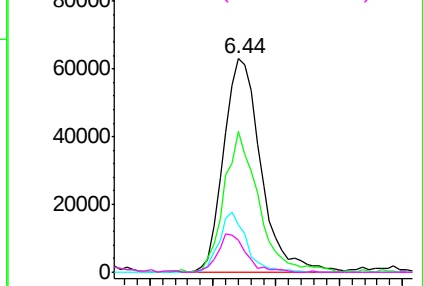
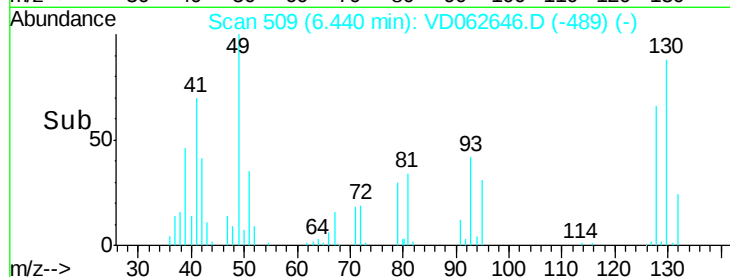
39 66.1 49.2 73.8

67 22.0 13.9 20.9#

52 14.7 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: 51.703 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD062646.D

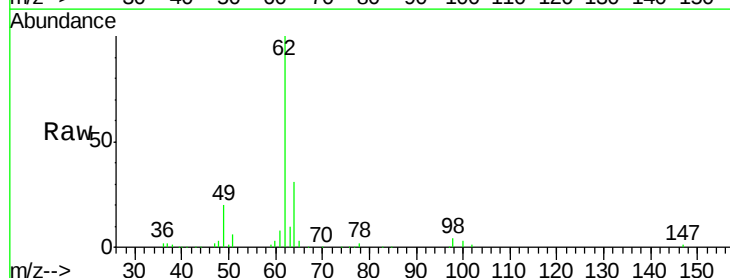
Acq: 10 Jun 2019 11:30

Tgt Ion: 62 Resp: 645303

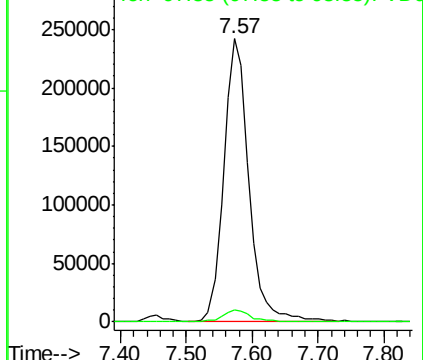
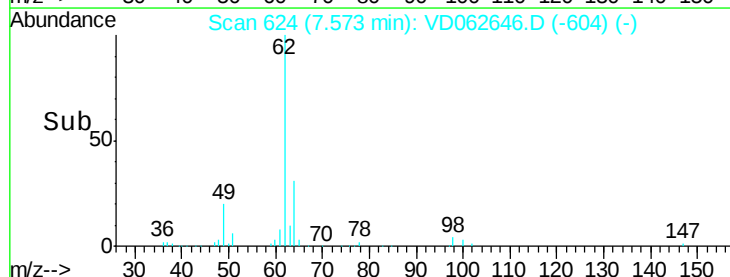
Ion Ratio Lower Upper

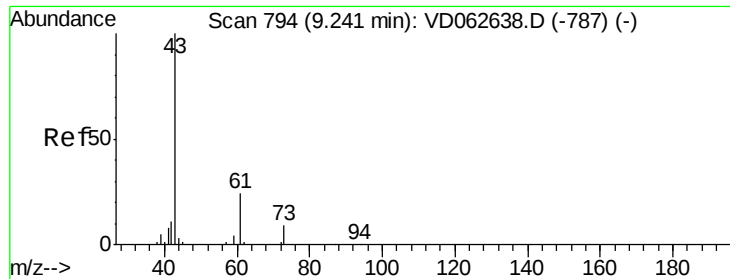
62 100

98 4.2 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: 50.361 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

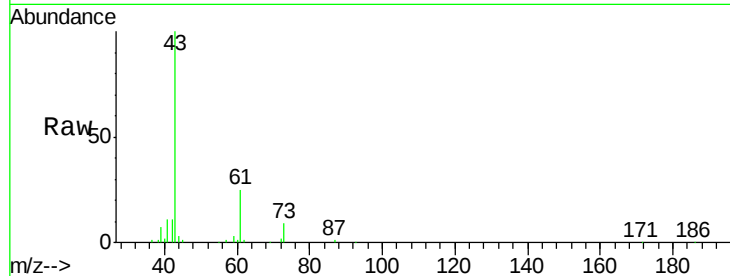
Tgt Ion: 43 Resp: 284921

Ion Ratio Lower Upper

43 100

61 24.9 19.0 28.6

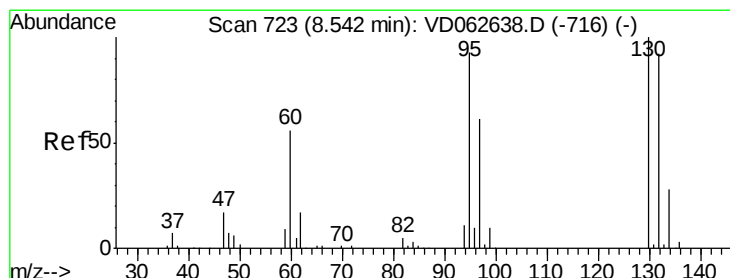
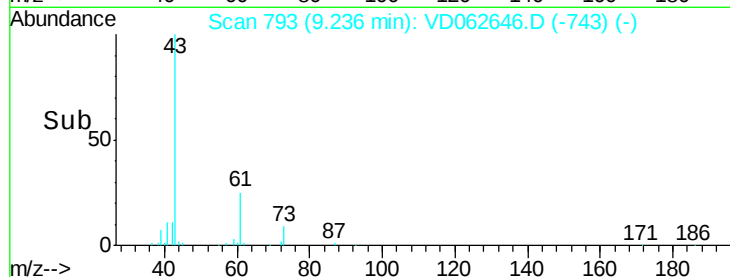
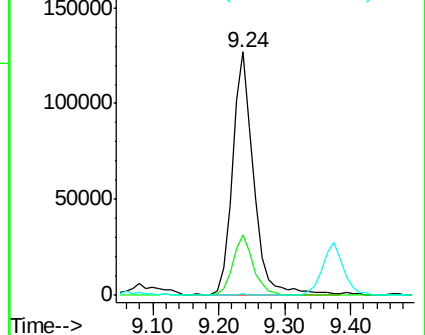
87 0.5 0.3 0.5#



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: 50.180 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062646.D

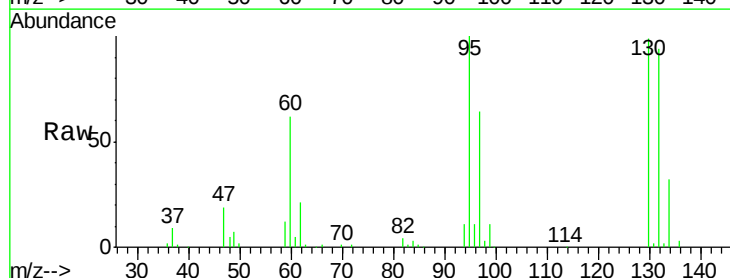
Acq: 10 Jun 2019 11:30

Tgt Ion: 130 Resp: 426582

Ion Ratio Lower Upper

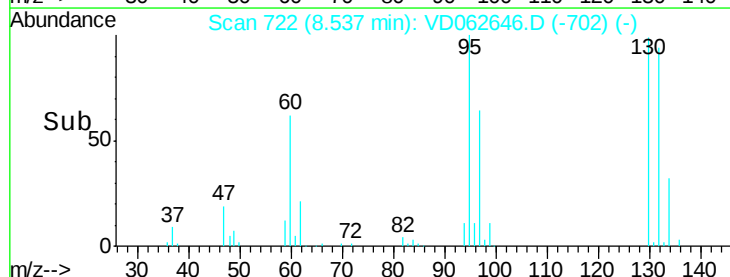
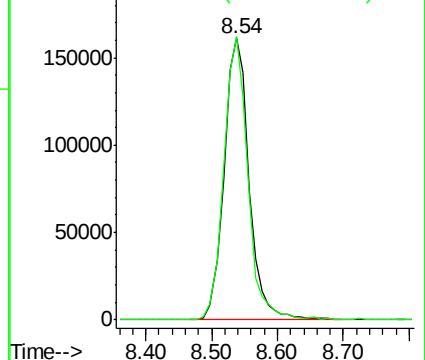
130 100

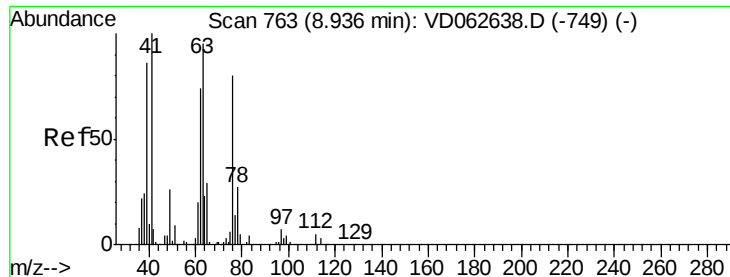
95 100.5 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

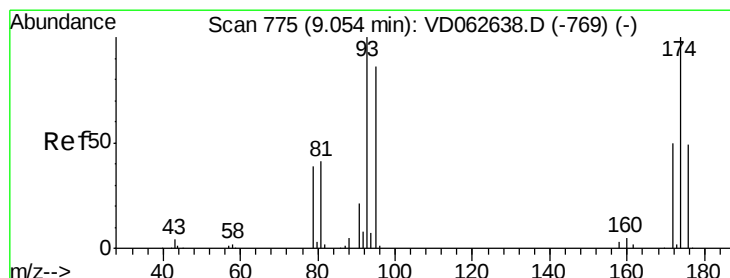
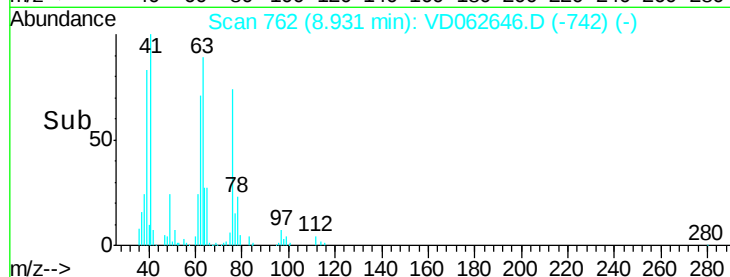
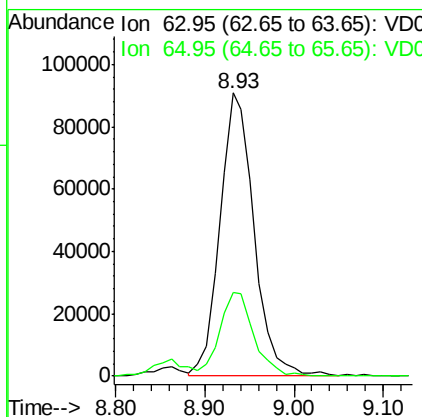
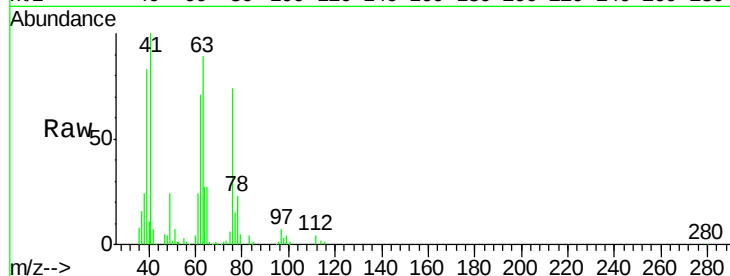




#45
 1,2-Dichloropropane
 Concen: 48.344 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

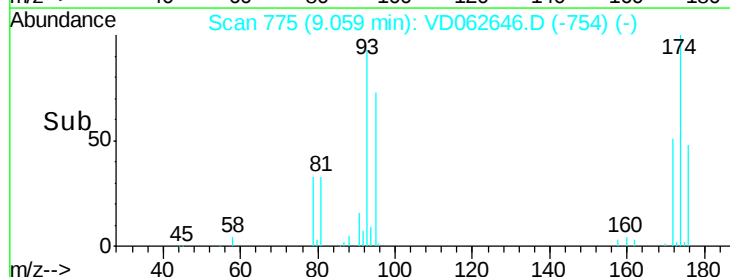
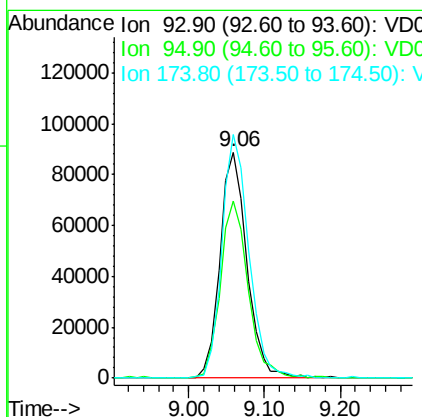
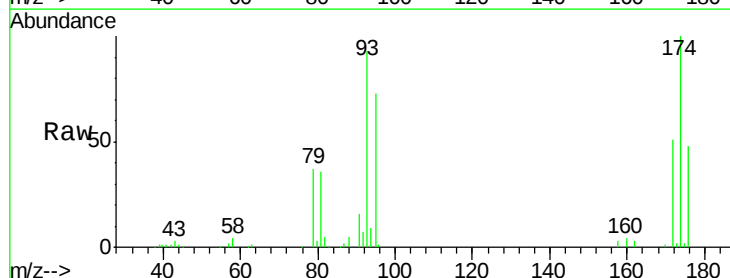
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

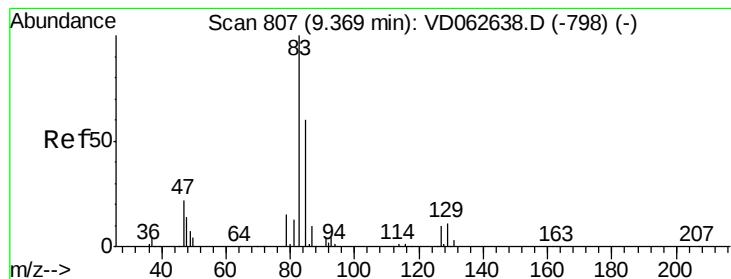
Tgt Ion: 63 Resp: 243156
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0



#46
 Dibromomethane
 Concen: 49.101 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 93 Resp: 219214
 Ion Ratio Lower Upper
 93 100
 95 78.3 68.7 103.1
 174 107.6 79.8 119.8





#47

Bromodichloromethane

Concen: 51.865 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

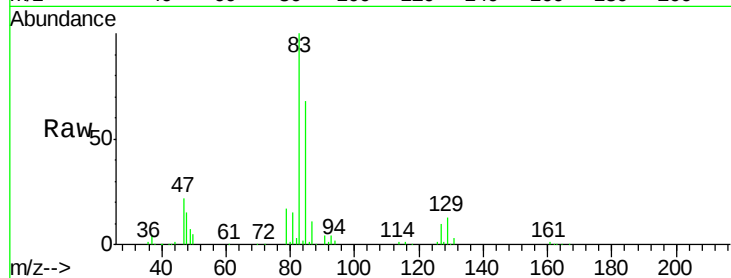
Tgt Ion: 83 Resp: 629901

Ion Ratio Lower Upper

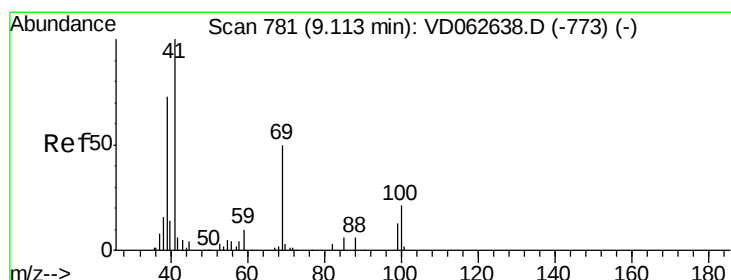
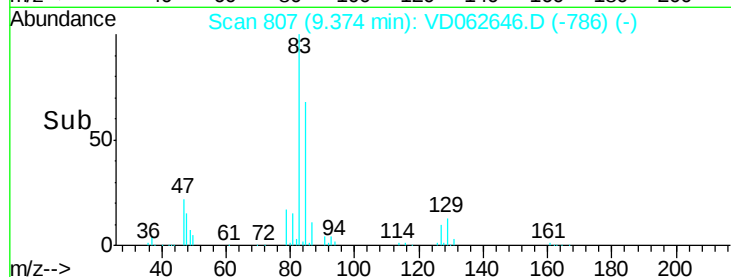
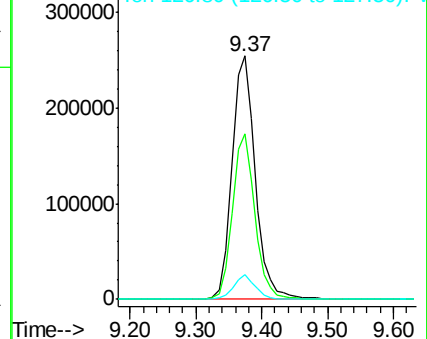
83 100

85 67.8 47.9 71.9

127 10.3 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: 45.349 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

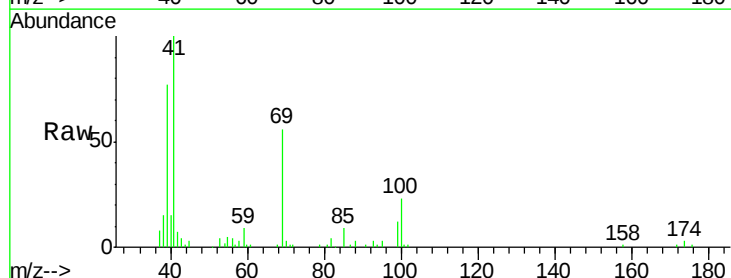
Tgt Ion: 41 Resp: 185356

Ion Ratio Lower Upper

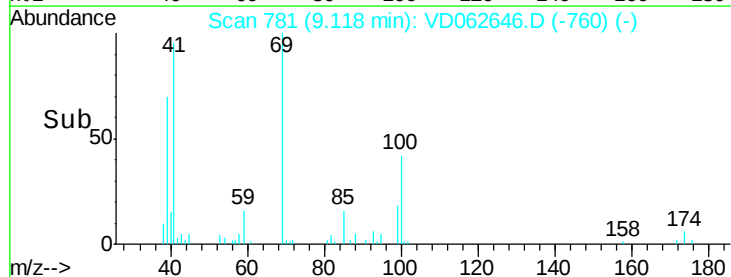
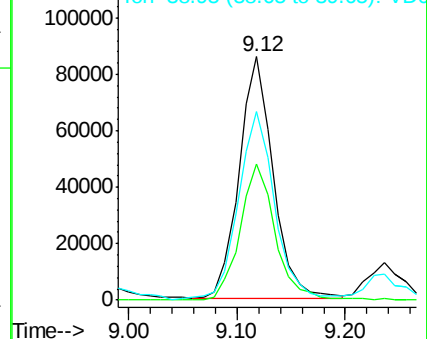
41 100

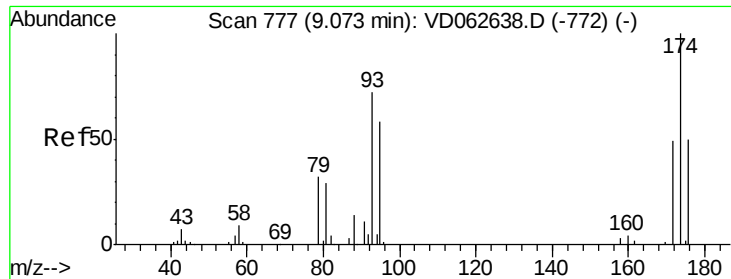
69 55.7 39.8 59.6

39 77.3 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

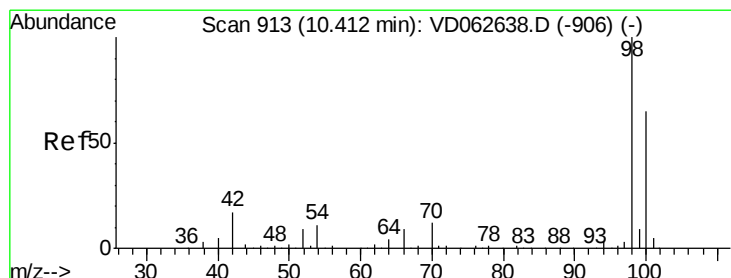
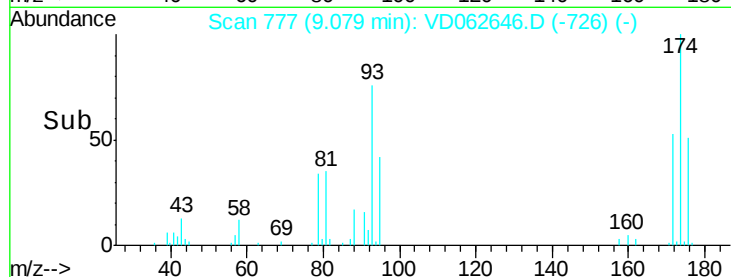
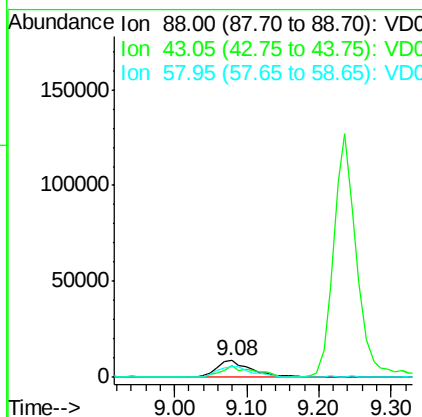
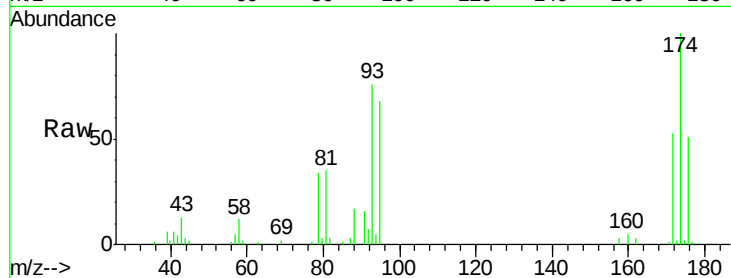




#49
1,4-Dioxane
Concen: 810.316 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

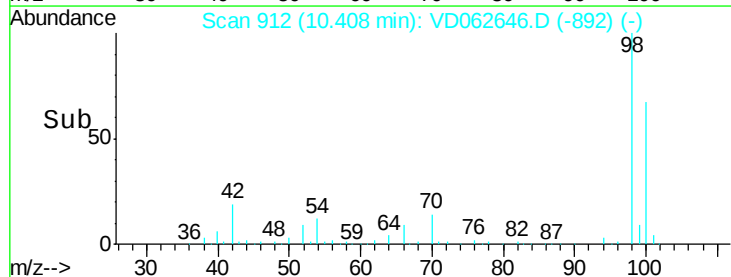
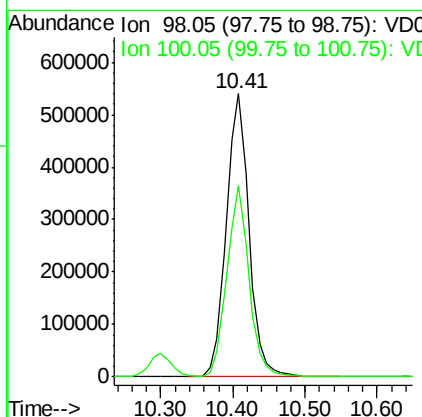
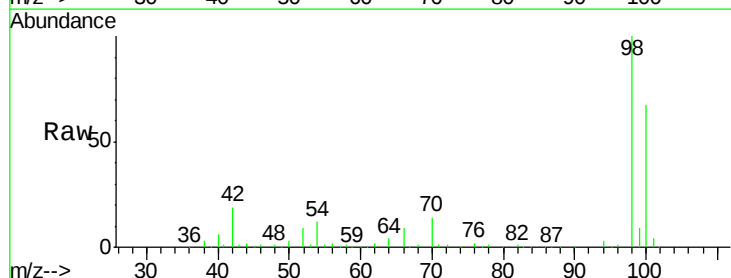
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29273
Ion Ratio Lower Upper
88 100
43 74.1 40.7 61.1#
58 67.2 54.2 81.4



#50
Toluene-d8
Concen: 56.999 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 98 Resp: 1184727
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1

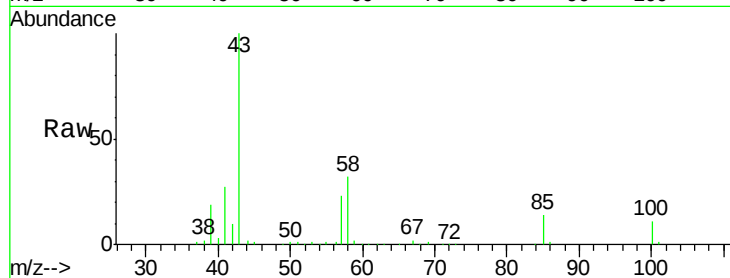




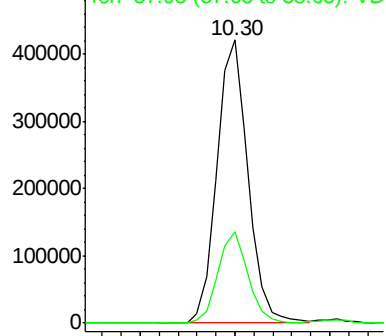
#51
4-Methyl-2-Pentanone
Concen: 241.995 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

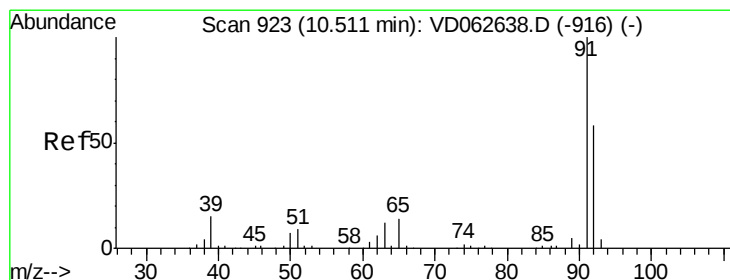
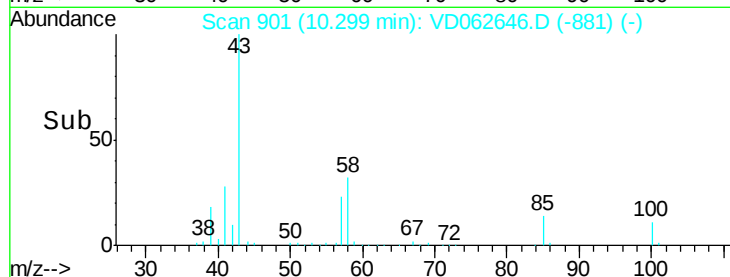
Tgt Ion: 43 Resp: 957993
Ion Ratio Lower Upper
43 100
58 32.4 26.1 39.1



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

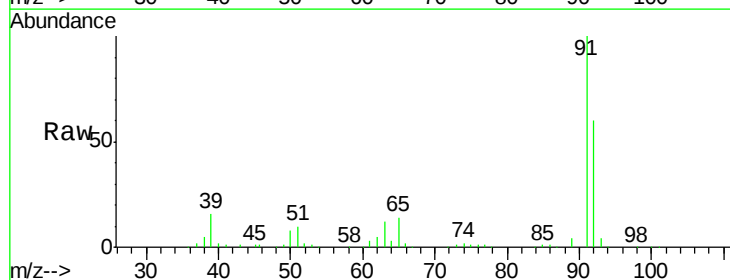


Time-->

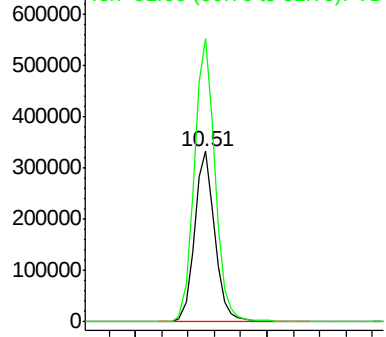


#52
Toluene
Concen: 50.788 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

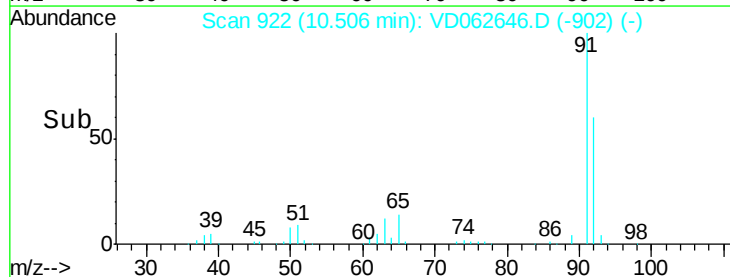
Tgt Ion: 92 Resp: 714855
Ion Ratio Lower Upper
92 100
91 166.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



Time-->

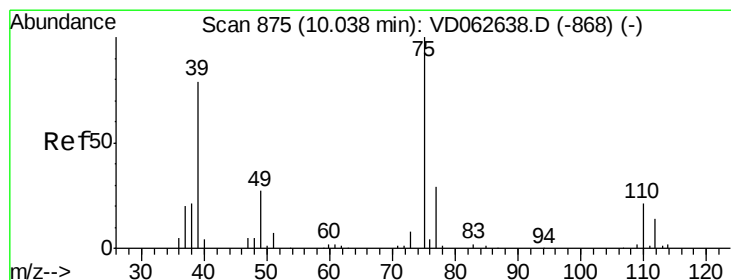
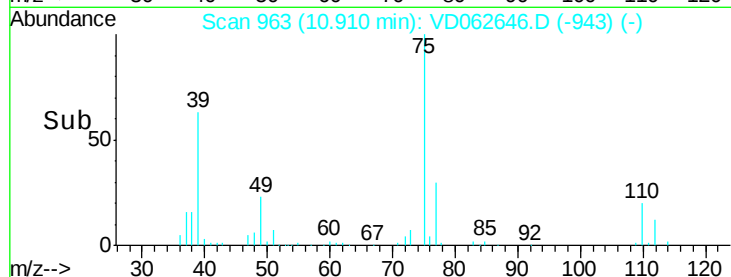
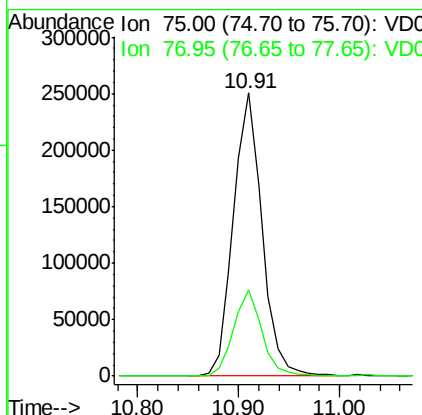
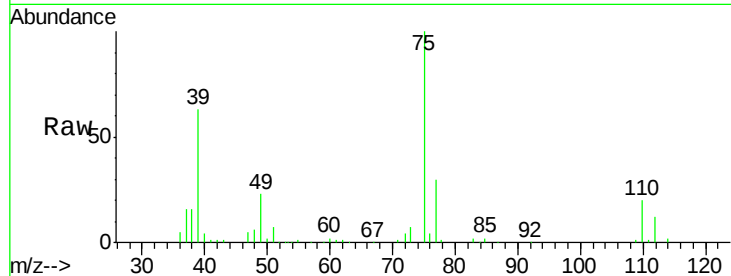




#53
 t-1,3-Dichloropropene
 Concen: 49.708 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

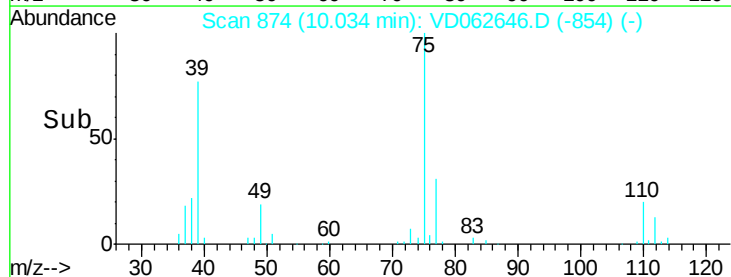
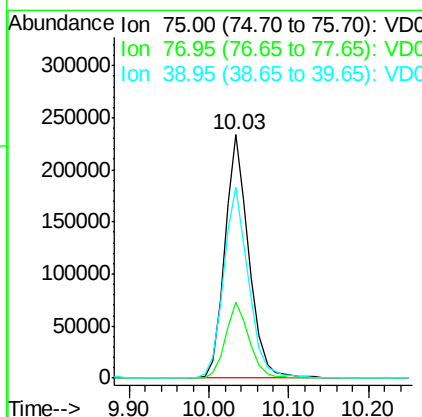
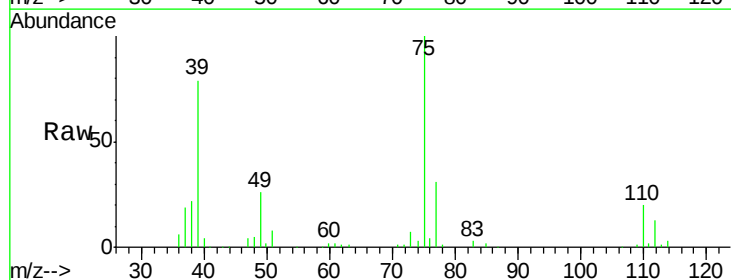
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

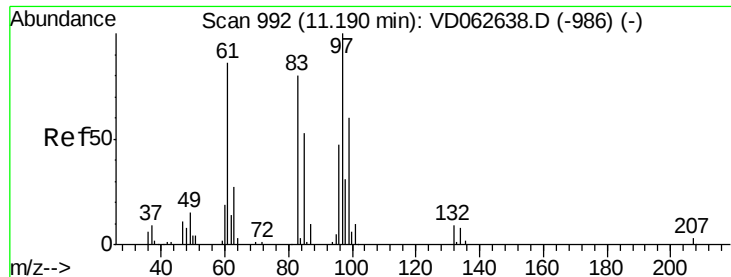
Tgt Ion: 75 Resp: 494970
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 48.033 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 75 Resp: 494326
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.1 34.7
 39 78.8 63.4 95.2

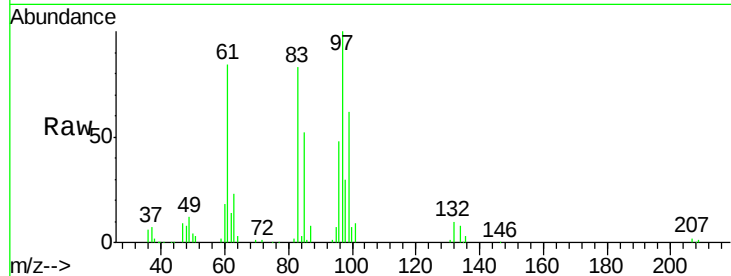




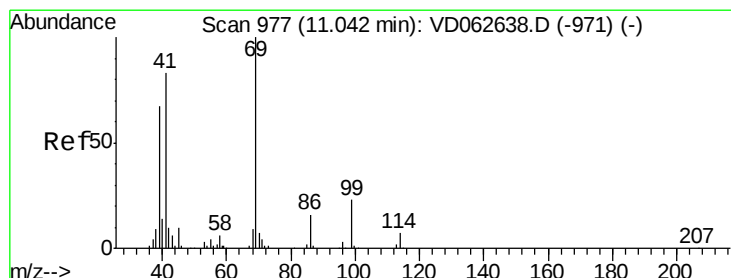
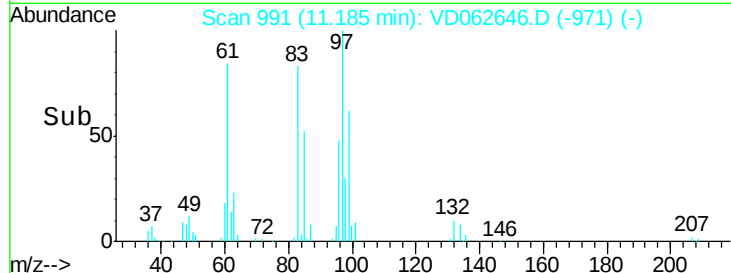
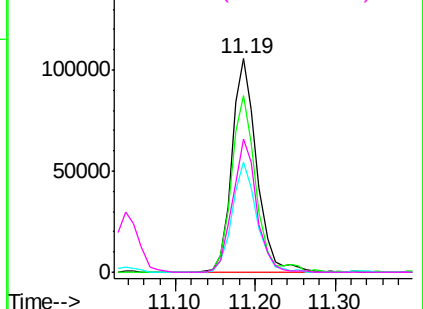
#55
 1,1,2-Trichloroethane
 Concen: 47.414 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	228868
Ion	Ratio	Lower	Upper
97	100		
83	82.6	63.8	95.8
85	51.6	42.3	63.5
99	62.3	48.0	72.0

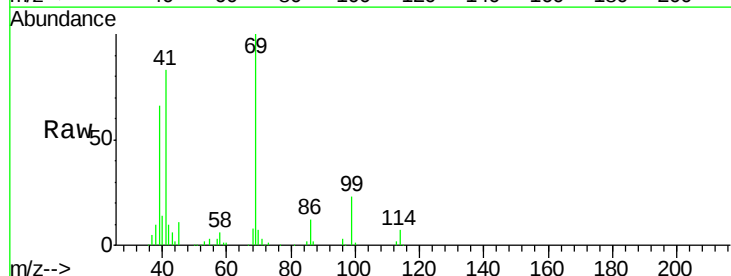


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

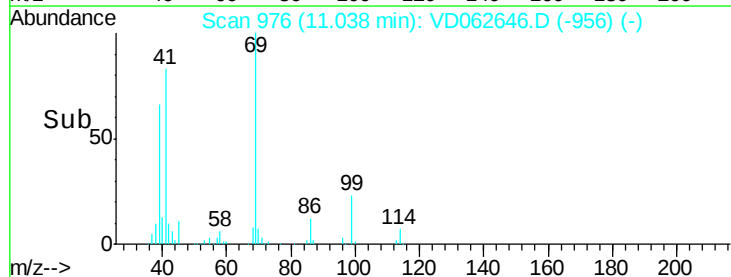
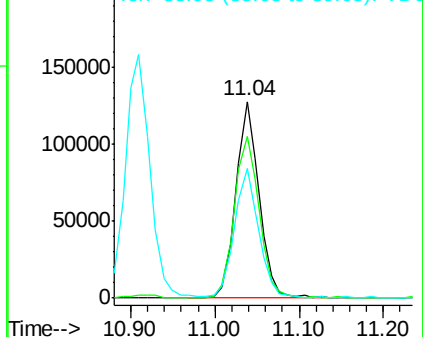


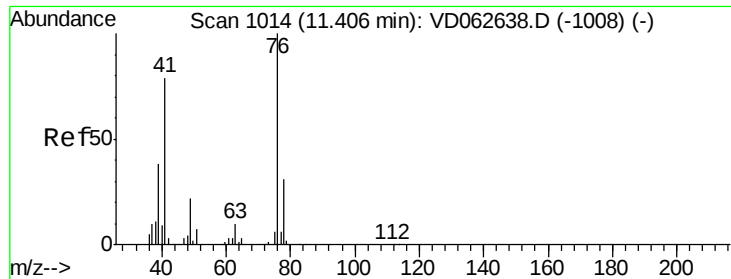
#56
 Ethyl methacrylate
 Concen: 42.773 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion:	69	Resp:	245173
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.2	99.4
39	66.3	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

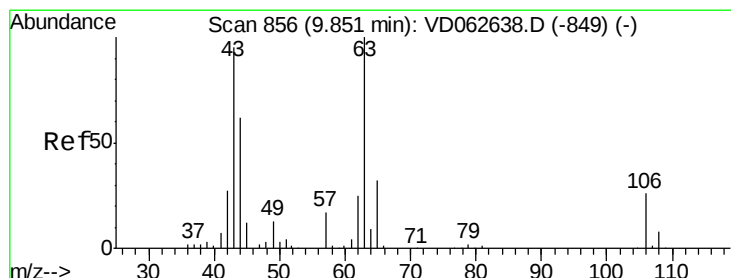
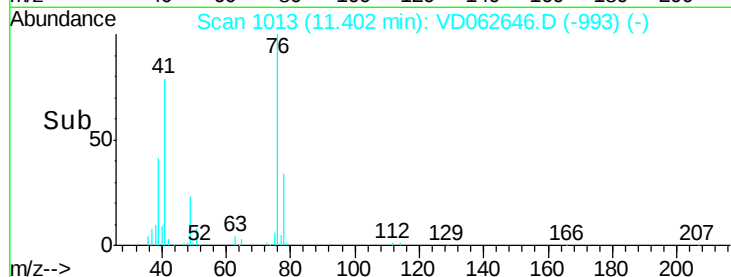
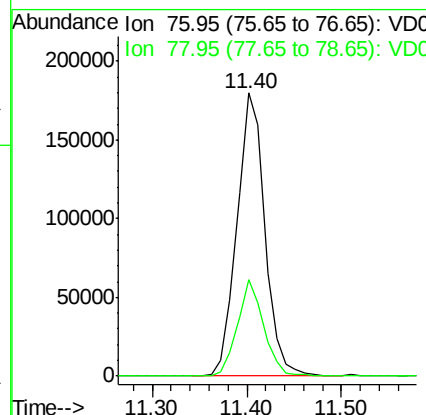
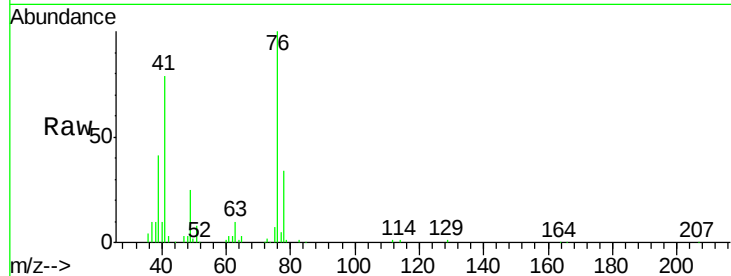




#57
 1,3-Dichloropropane
 Concen: 48.926 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

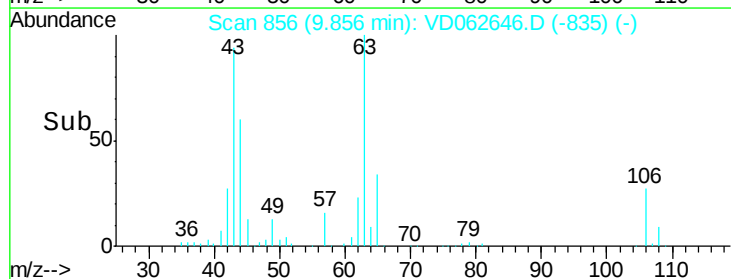
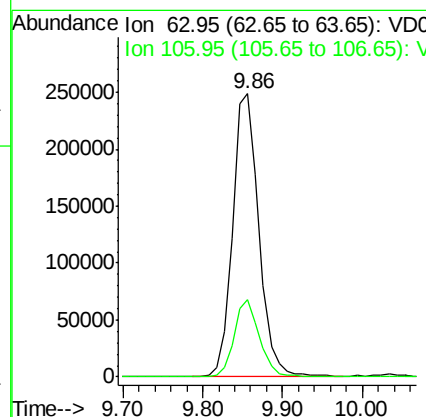
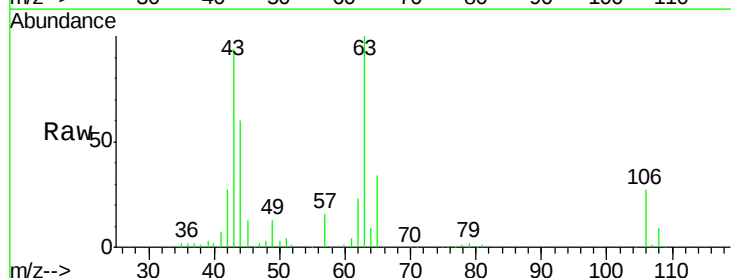
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

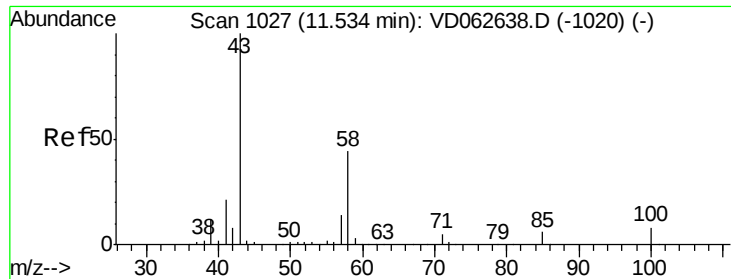
Tgt Ion: 76 Resp: 366044
 Ion Ratio Lower Upper
 76 100
 78 33.9 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.295 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 63 Resp: 573505
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.5 30.7

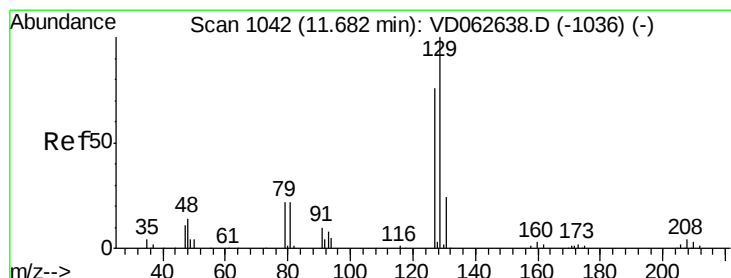
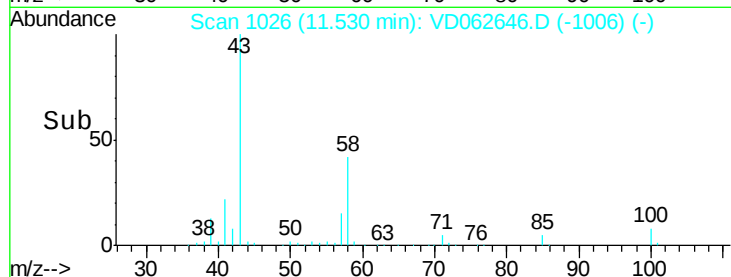
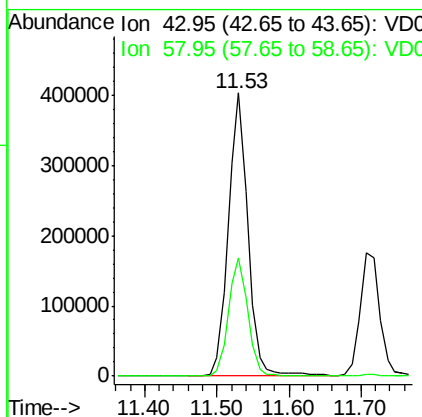
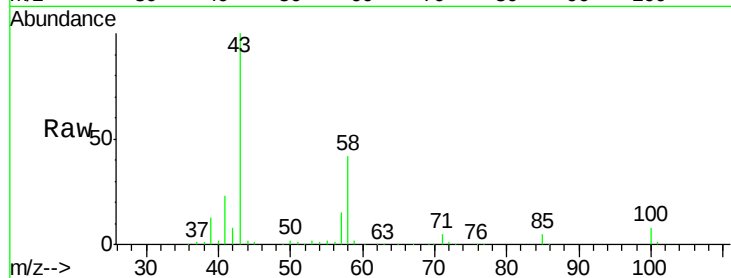




#59
2-Hexanone
Concen: 257.568 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

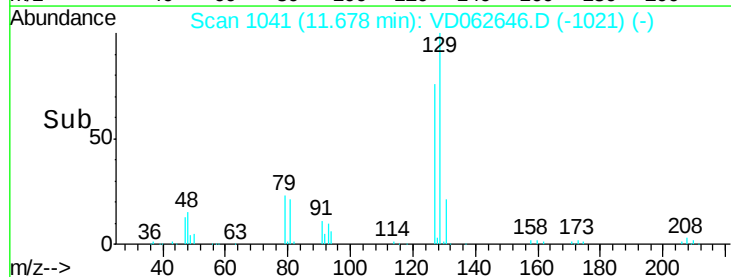
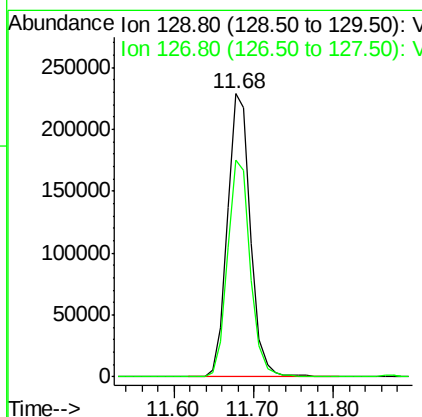
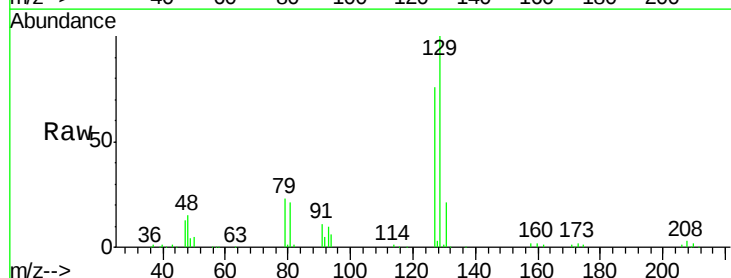
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

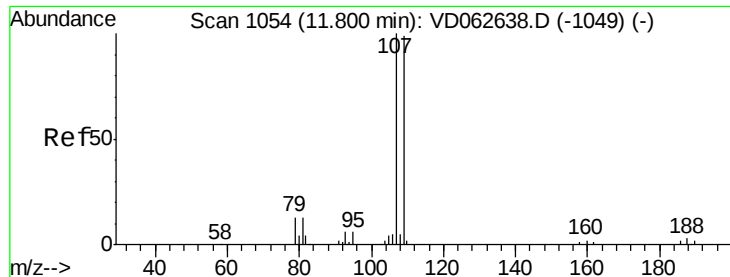
Tgt Ion: 43 Resp: 758471
Ion Ratio Lower Upper
43 100
58 41.7 21.8 65.4



#60
Dibromochloromethane
Concen: 48.933 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 129 Resp: 466262
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1

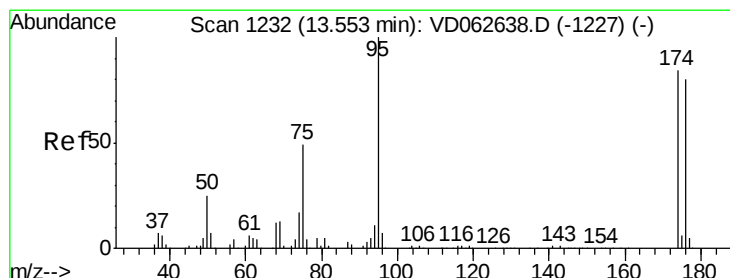
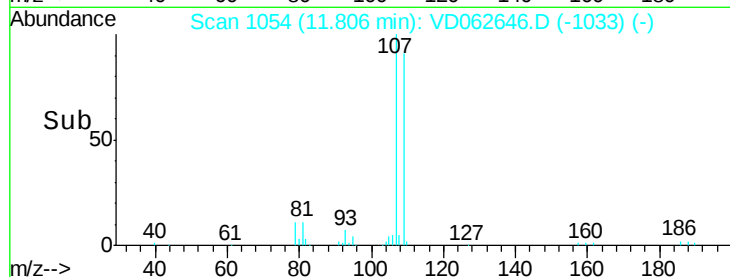
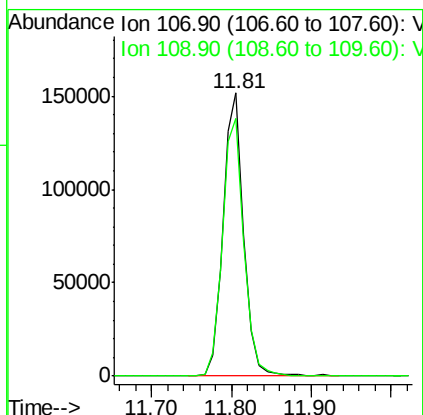
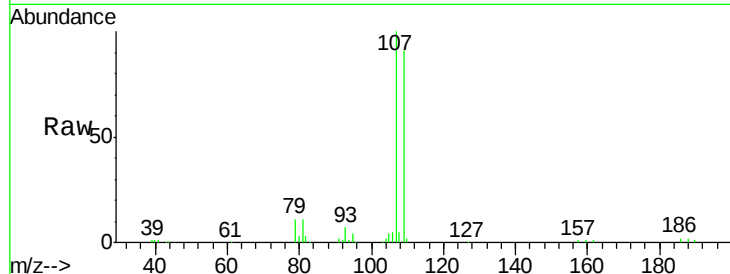




#61
 1,2-Dibromoethane
 Concen: 47.630 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

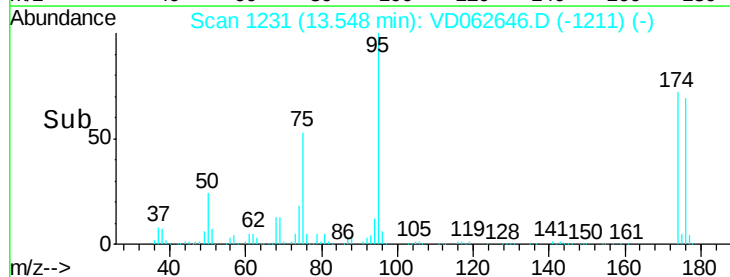
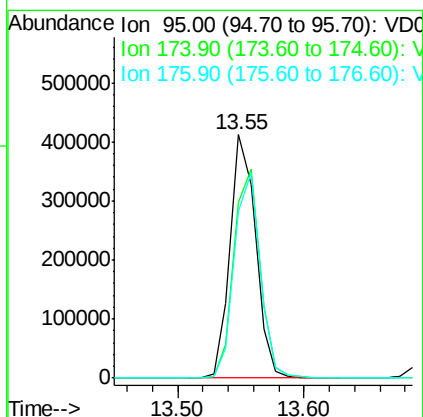
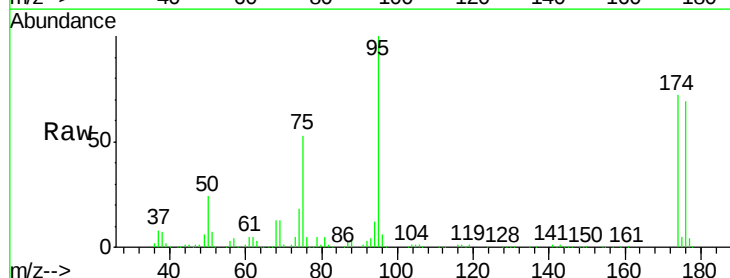
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

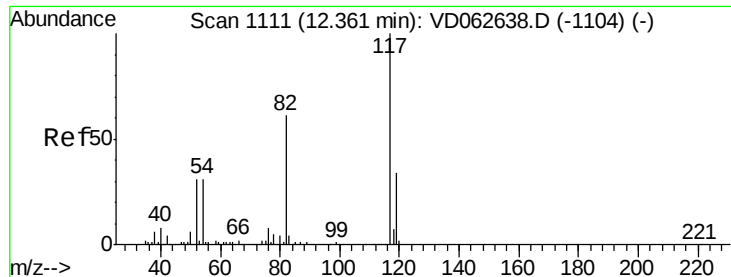
Tgt Ion: 107 Resp: 275165
 Ion Ratio Lower Upper
 107 100
 109 91.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 59.378 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 95 Resp: 575789
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 167.0
 176 68.7 0.0 159.2

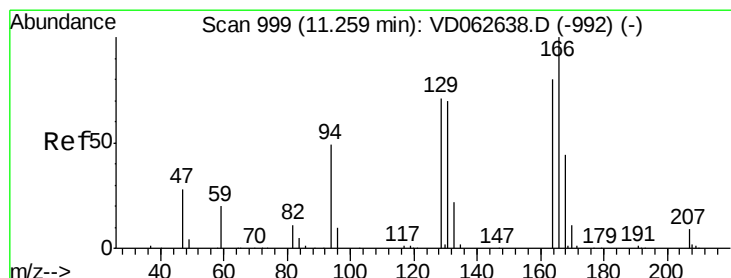
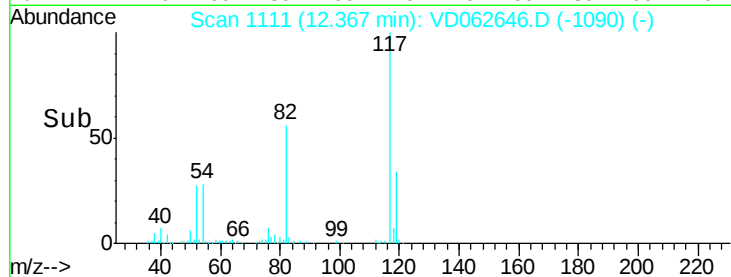
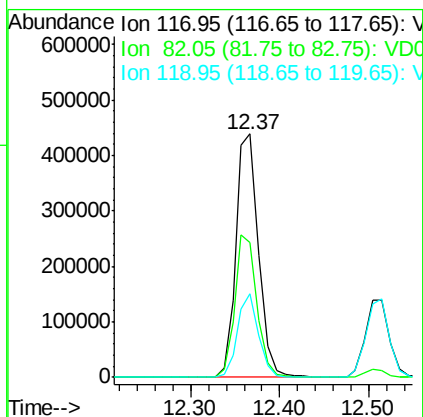
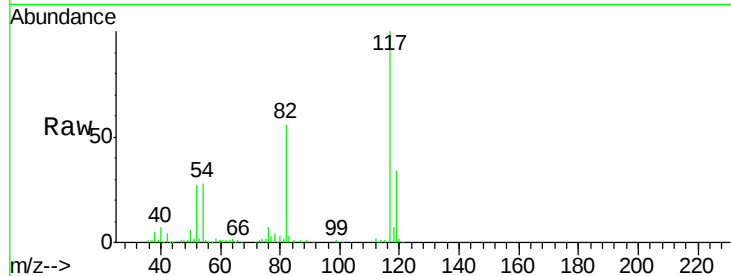




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

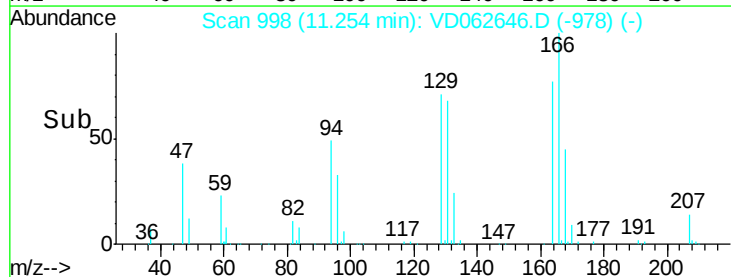
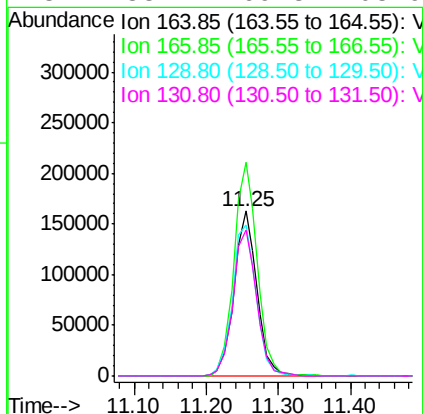
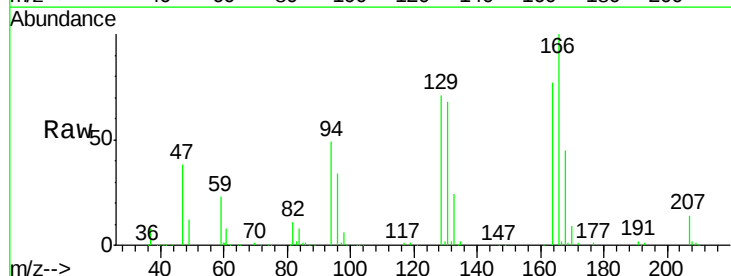
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

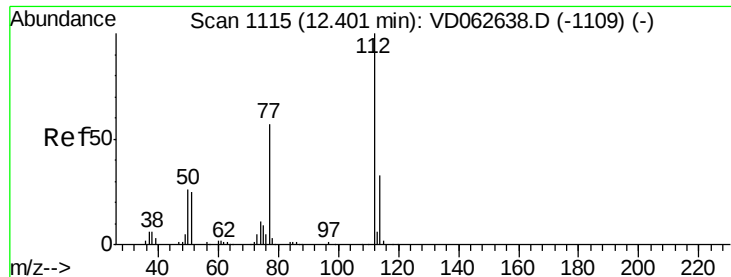
Tgt Ion:117 Resp: 779038
Ion Ratio Lower Upper
117 100
82 55.5 48.7 73.1
119 34.2 27.0 40.6



#64
Tetrachloroethene
Concen: 49.233 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:164 Resp: 359042
Ion Ratio Lower Upper
164 100
166 129.5 99.4 149.2
129 91.7 70.2 105.4
131 88.2 69.3 103.9

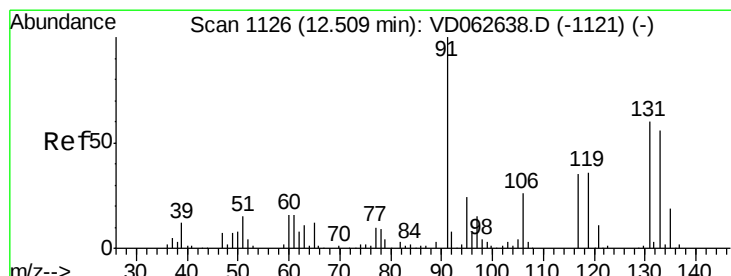
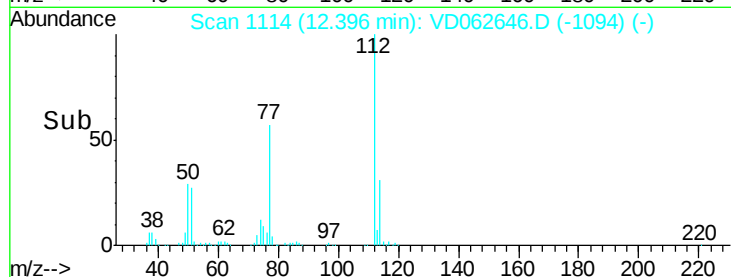
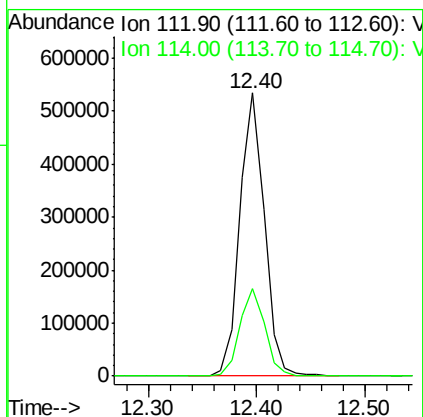
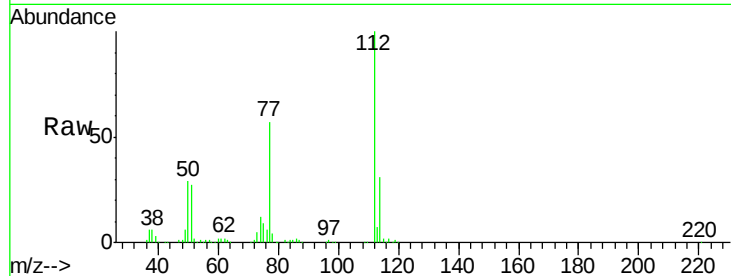




#65
Chlorobenzene
Concen: 49.037 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

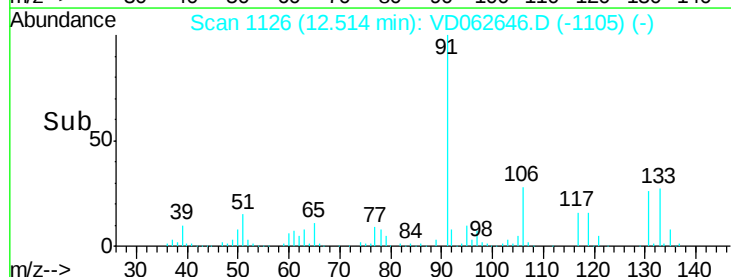
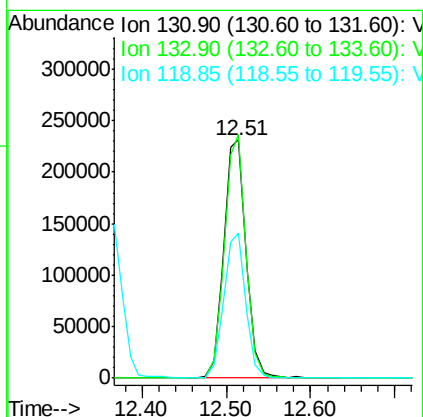
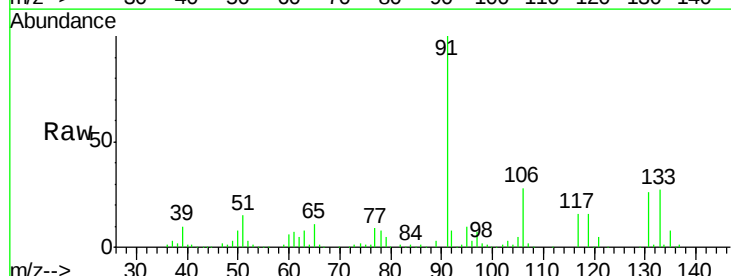
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

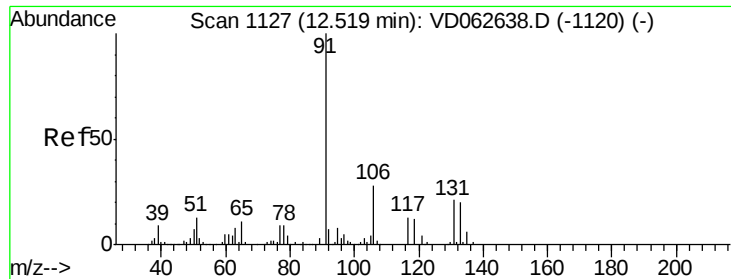
Tgt Ion:112 Resp: 845004
Ion Ratio Lower Upper
112 100
114 30.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.390 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:131 Resp: 422346
Ion Ratio Lower Upper
131 100
133 102.4 46.8 140.3
119 60.9 29.9 89.8

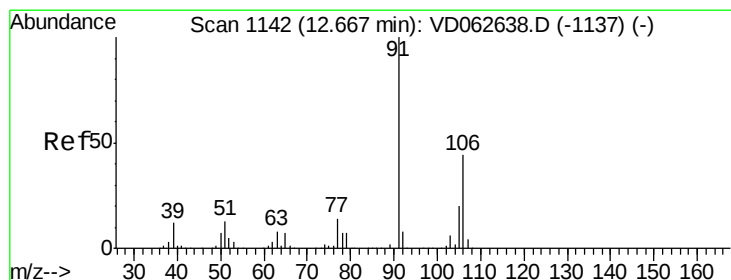
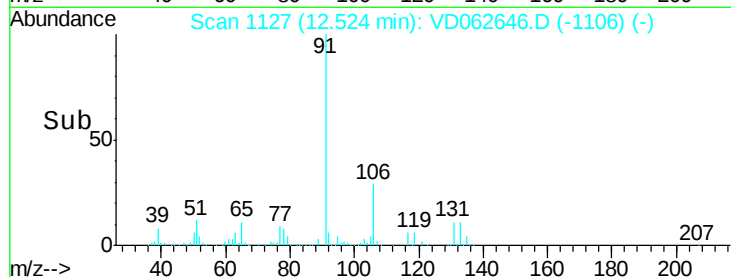
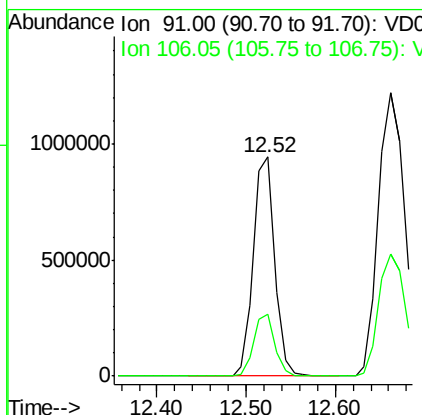
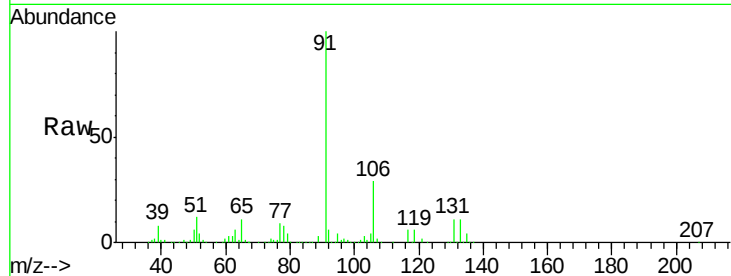




#67
Ethyl Benzene
Concen: 50.985 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

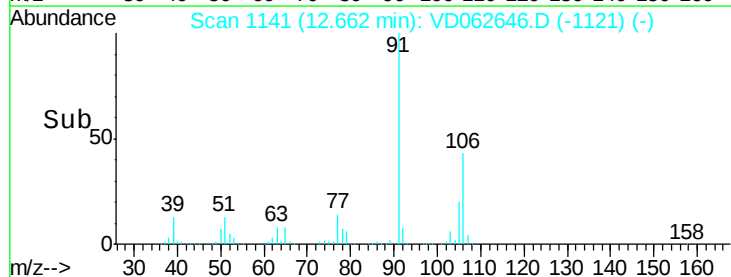
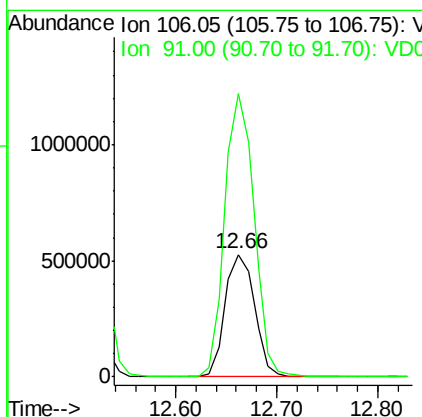
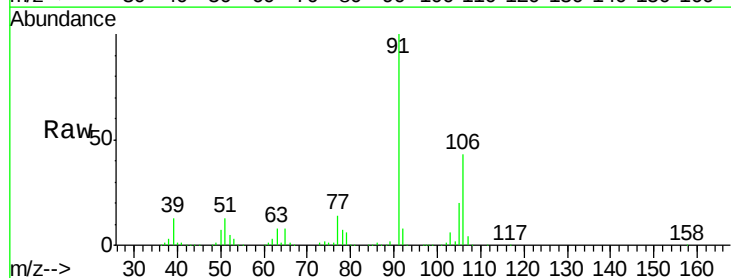
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

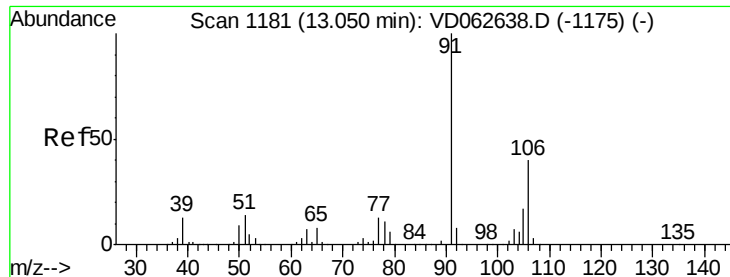
Tgt Ion: 91 Resp: 1557724
Ion Ratio Lower Upper
91 100
106 28.6 22.1 33.1



#68
m/p-Xylenes
Concen: 100.248 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 106 Resp: 1076757
Ion Ratio Lower Upper
106 100
91 231.5 180.2 270.4

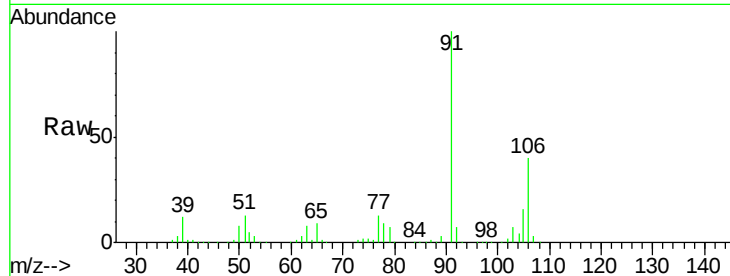




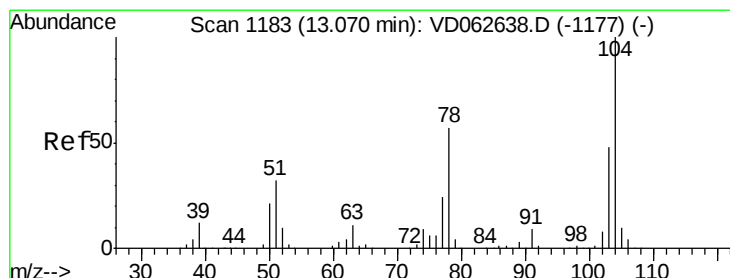
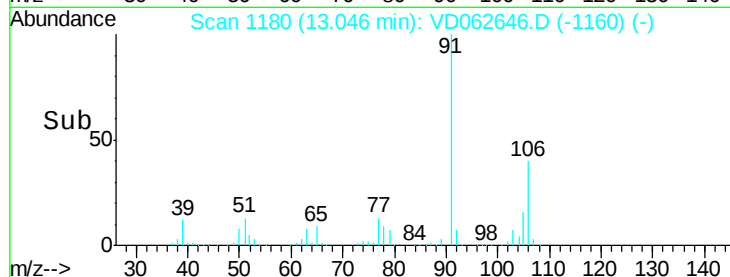
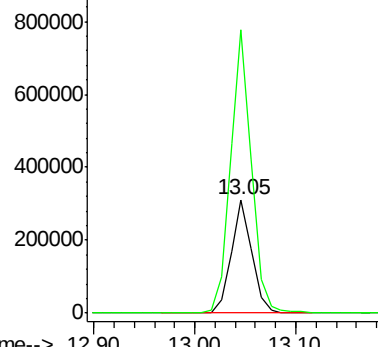
#69
o-Xylene
Concen: 45.207 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 445949
Ion Ratio Lower Upper
106 100
91 250.1 124.1 372.1

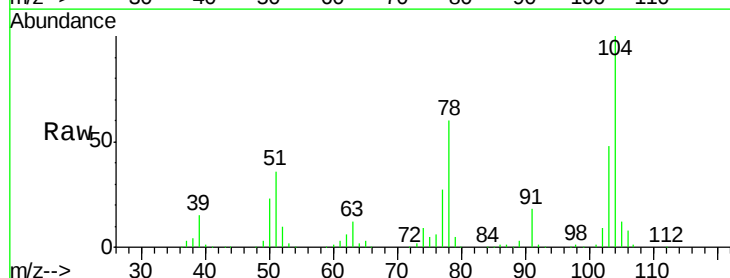


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

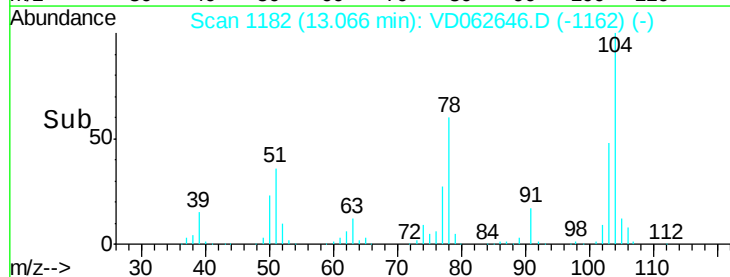
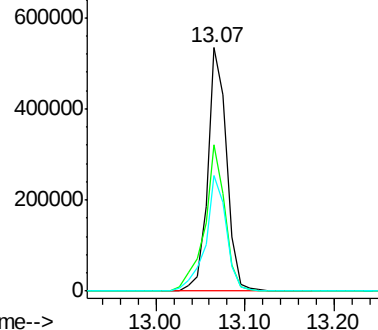


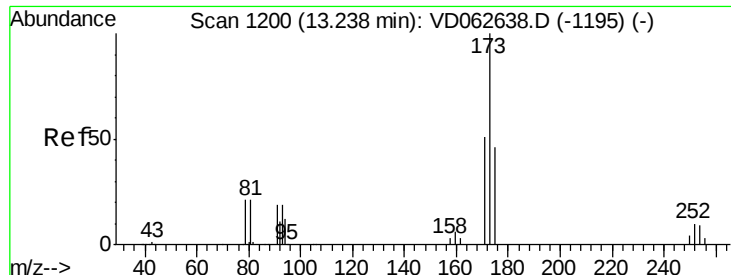
#70
Styrene
Concen: 45.270 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:104 Resp: 796792
Ion Ratio Lower Upper
104 100
78 59.9 45.9 68.9
103 47.7 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: 46.762 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

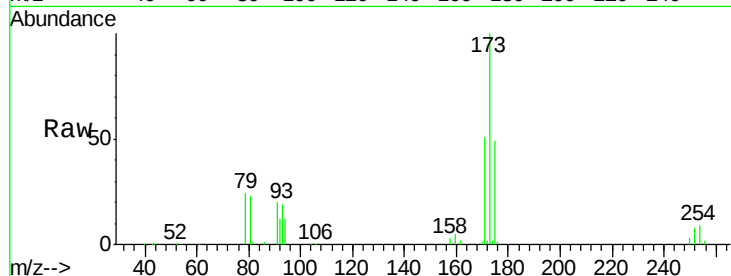
Tgt Ion:173 Resp: 293600

Ion Ratio Lower Upper

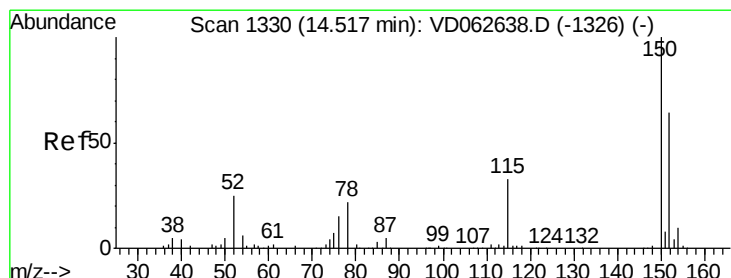
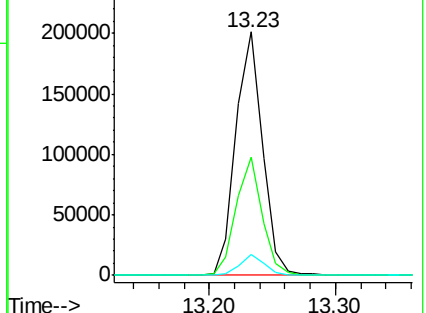
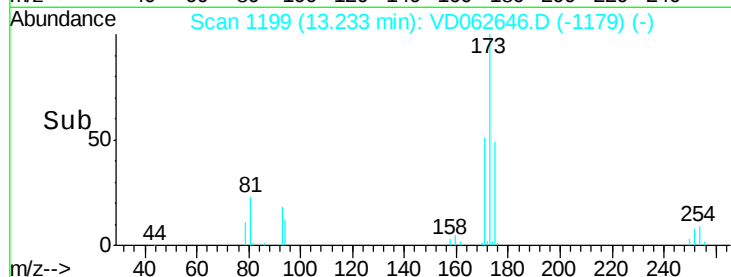
173 100

175 48.6 22.9 68.7

254 8.8 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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

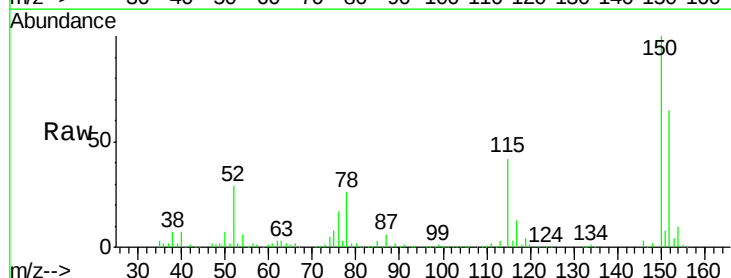
Tgt Ion:152 Resp: 470696

Ion Ratio Lower Upper

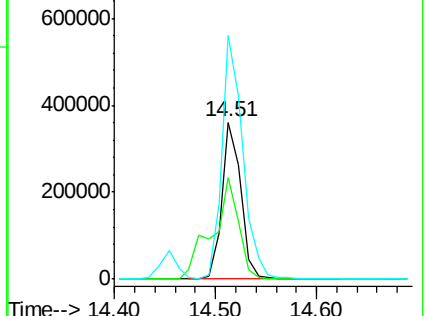
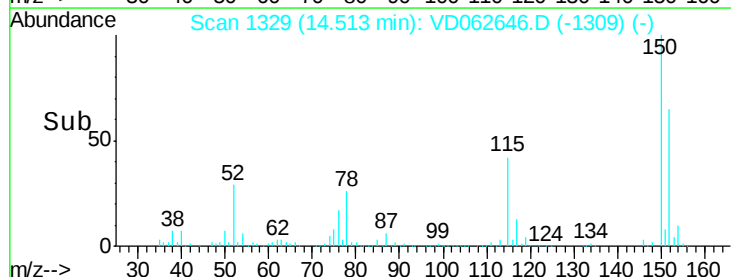
152 100

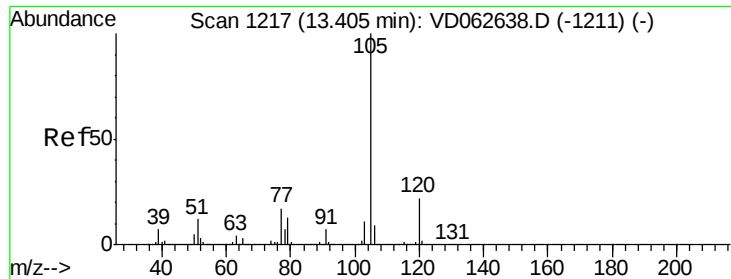
115 65.0 30.1 90.5

150 154.9 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: 48.417 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

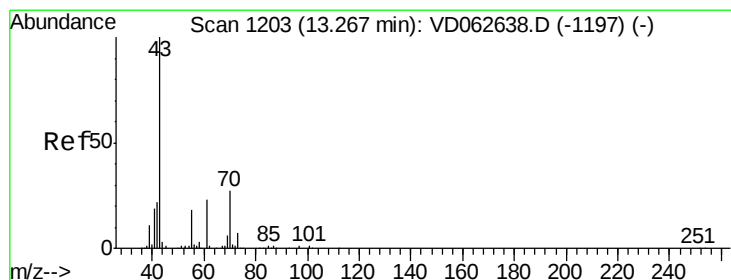
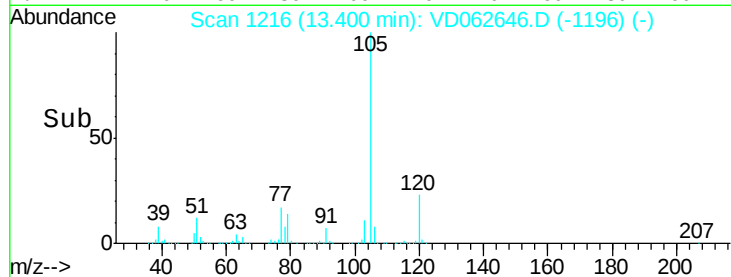
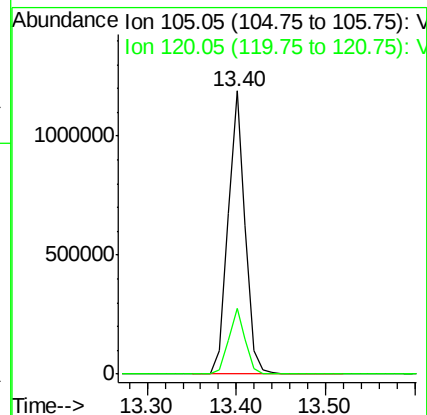
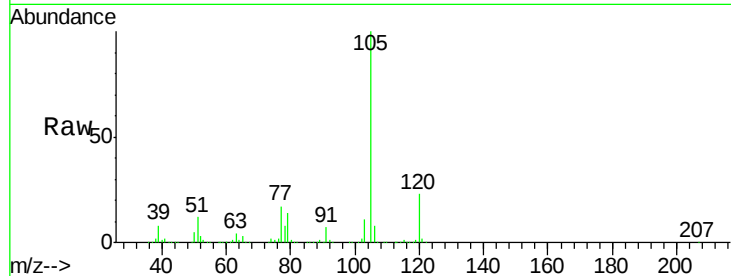
VSTDCCC050

Tgt Ion:105 Resp: 1606320

Ion Ratio Lower Upper

105 100

120 23.0 10.9 32.7



#74

N-ethyl acetate

Concen: 42.671 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion: 43 Resp: 382605

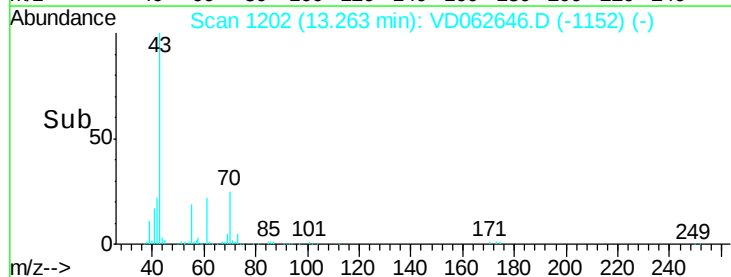
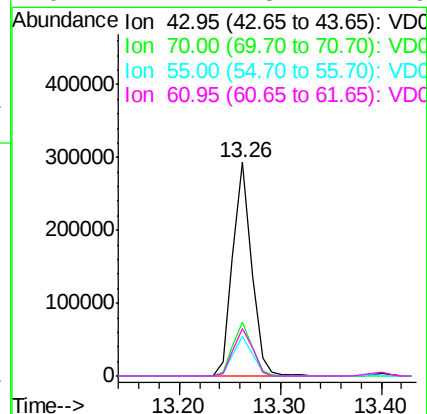
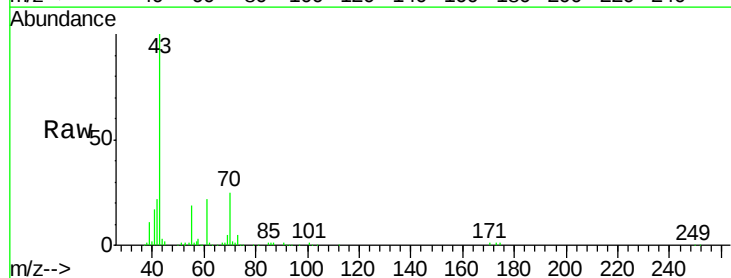
Ion Ratio Lower Upper

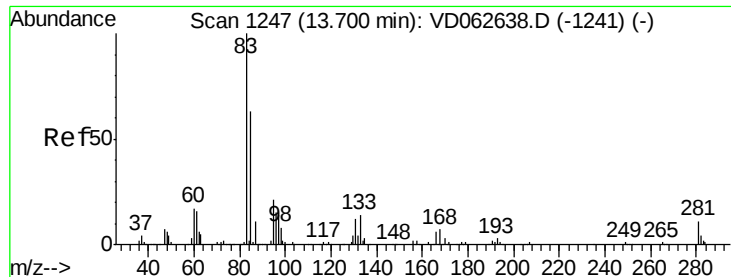
43 100

70 25.2 21.8 32.8

55 18.7 14.6 21.8

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.514 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

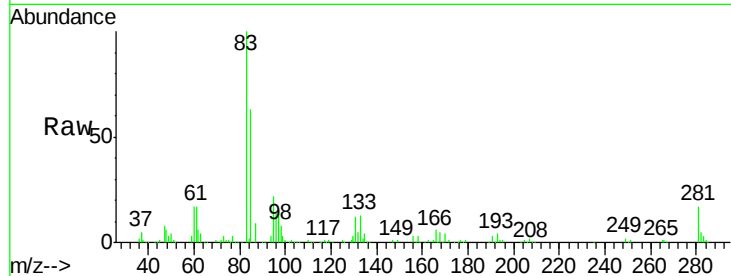
Tgt Ion: 83 Resp: 247020

Ion Ratio Lower Upper

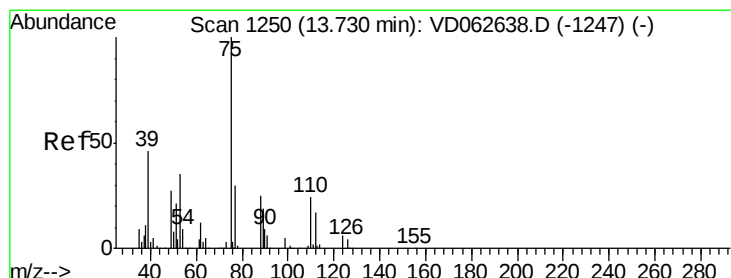
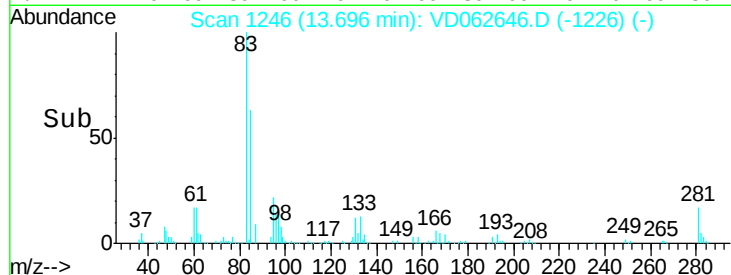
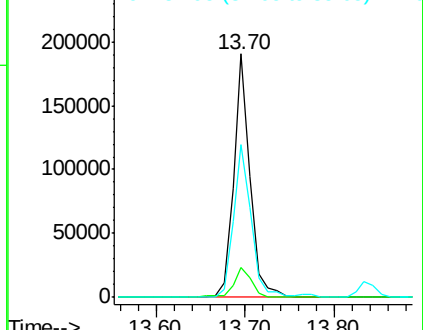
83 100

131 12.4 5.9 17.7

85 62.5 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: 45.349 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD062646.D

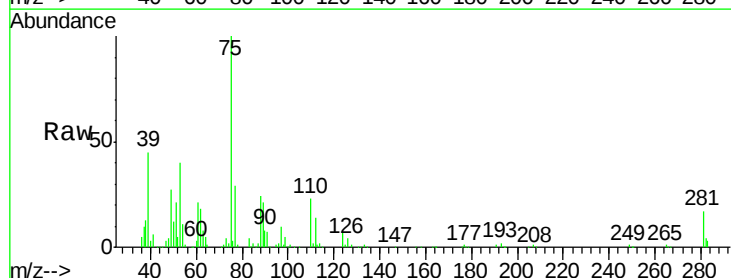
Acq: 10 Jun 2019 11:30

Tgt Ion: 75 Resp: 289428

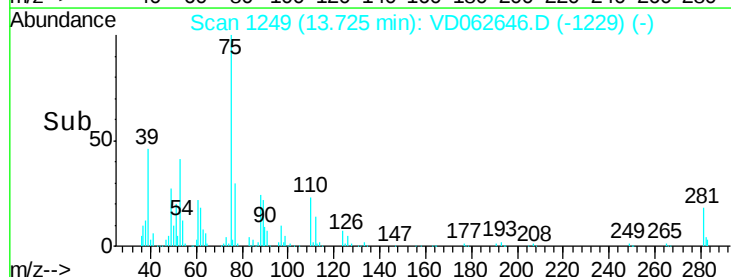
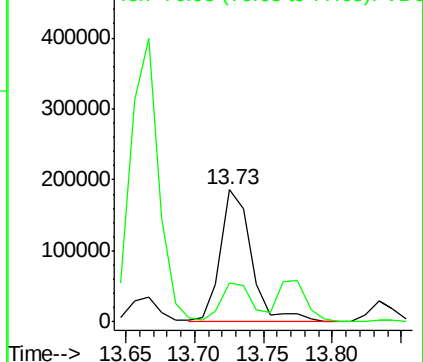
Ion Ratio Lower Upper

75 100

77 29.4 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: 45.894 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

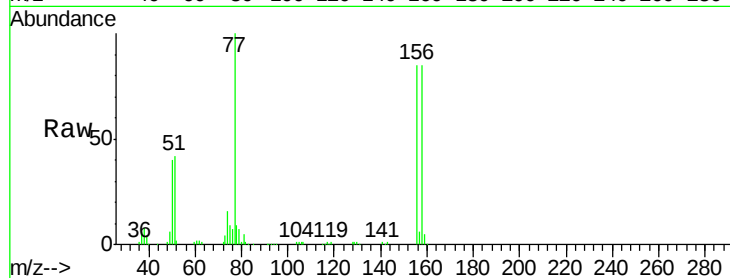
Tgt Ion:156 Resp: 435196

Ion Ratio Lower Upper

156 100

77 118.3 56.3 168.8

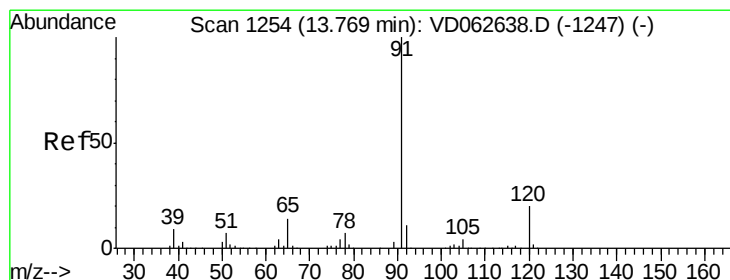
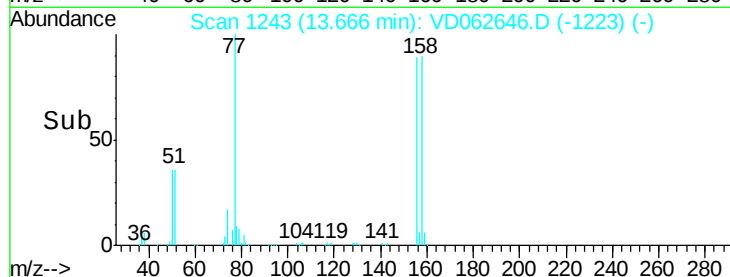
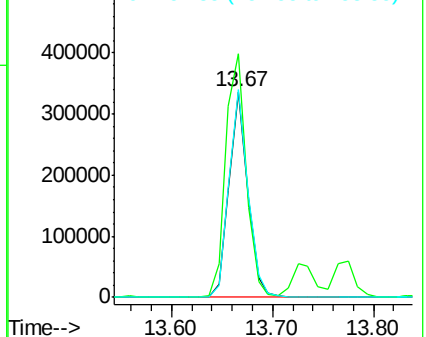
158 100.9 49.6 148.8



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: 46.735 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062646.D

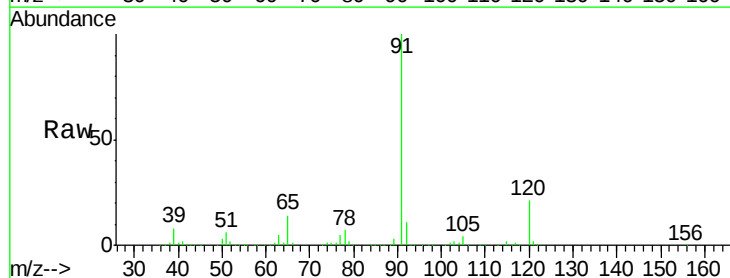
Acq: 10 Jun 2019 11:30

Tgt Ion: 91 Resp: 1897923

Ion Ratio Lower Upper

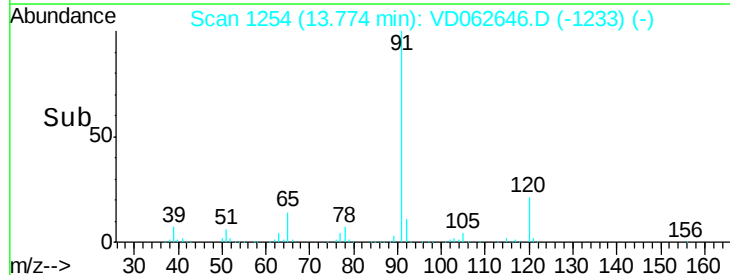
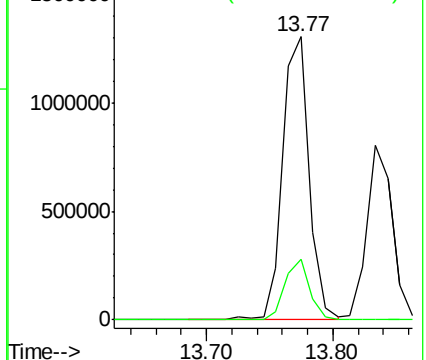
91 100

120 21.5 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: 47.206 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

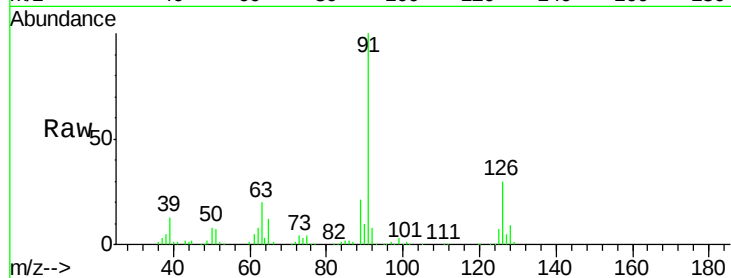
VSTDCCC050

Tgt Ion: 91 Resp: 1122478

Ion Ratio Lower Upper

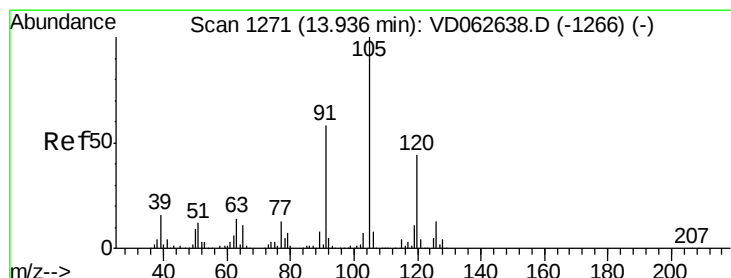
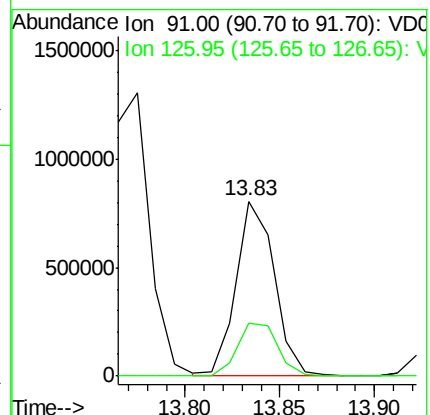
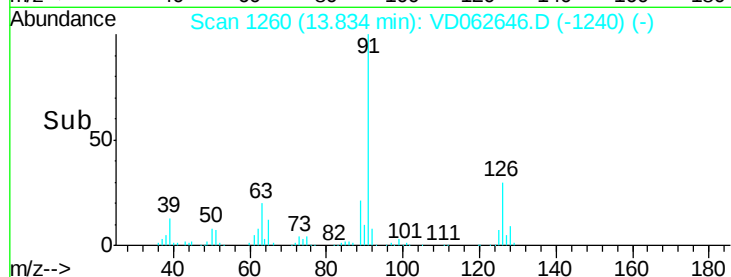
91 100

126 30.4 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062646.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD062646.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.302 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062646.D

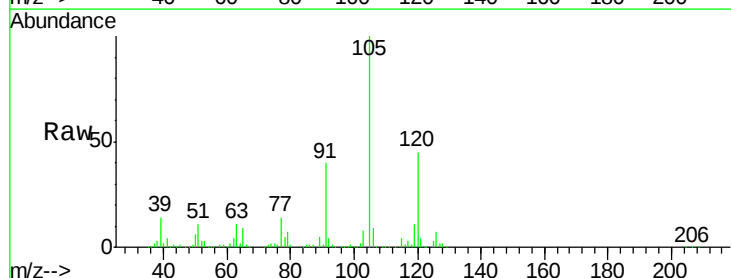
Acq: 10 Jun 2019 11:30

Tgt Ion: 105 Resp: 1328316

Ion Ratio Lower Upper

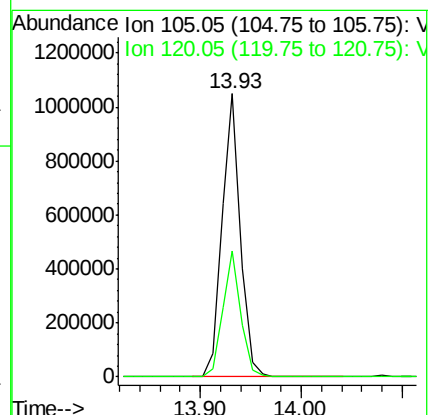
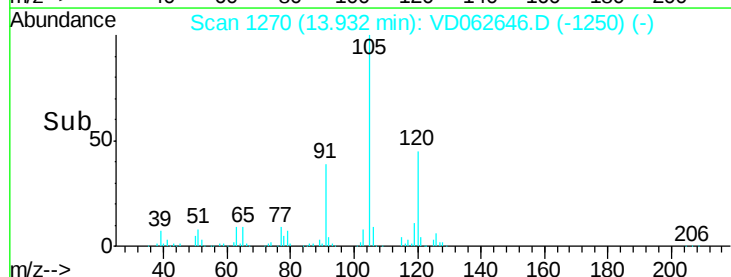
105 100

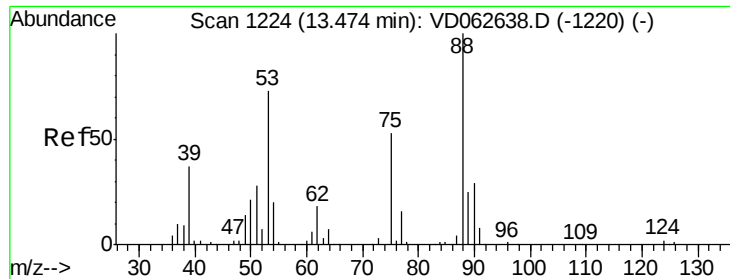
120 44.6 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062646.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD062646.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 40.718 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

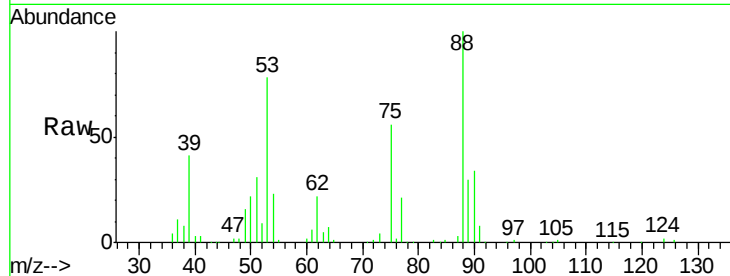
Tgt Ion: 75 Resp: 75582

Ion Ratio Lower Upper

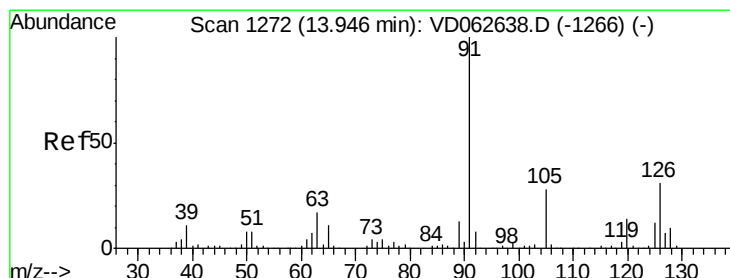
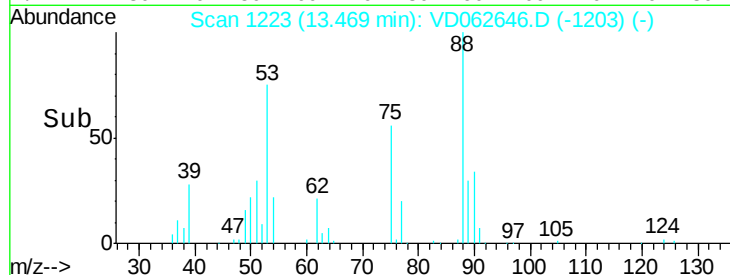
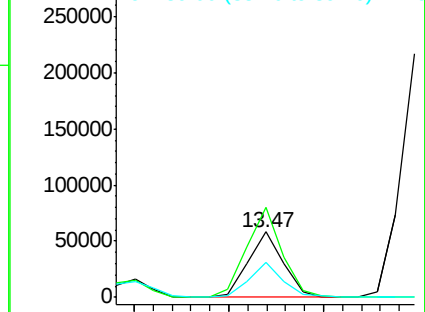
75 100

53 138.5 109.4 164.2

89 53.8 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



#82

4-Chlorotoluene

Concen: 44.223 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062646.D

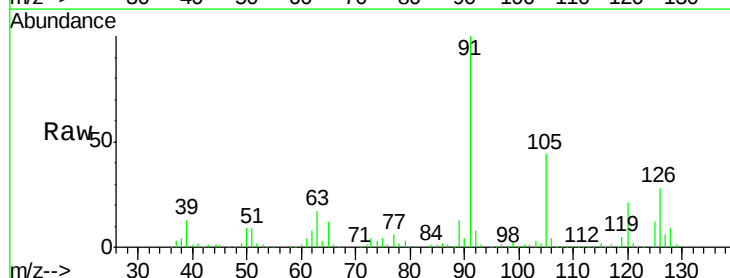
Acq: 10 Jun 2019 11:30

Tgt Ion: 91 Resp: 1257532

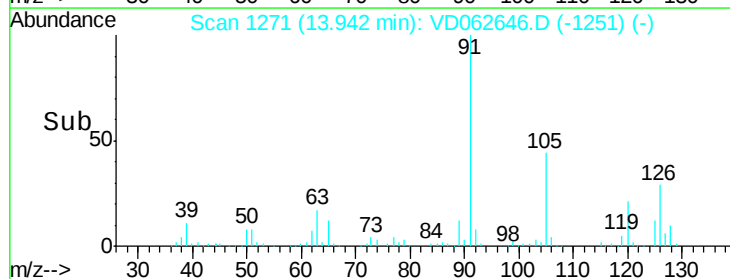
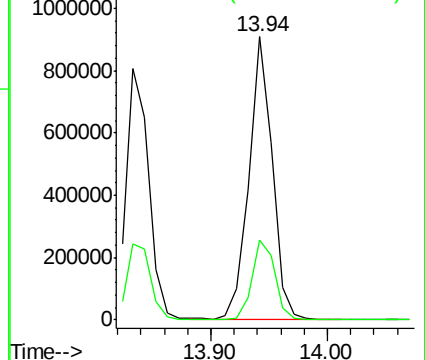
Ion Ratio Lower Upper

91 100

126 28.3 15.6 46.8



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

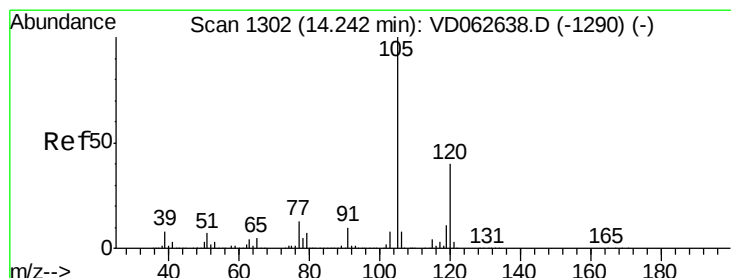
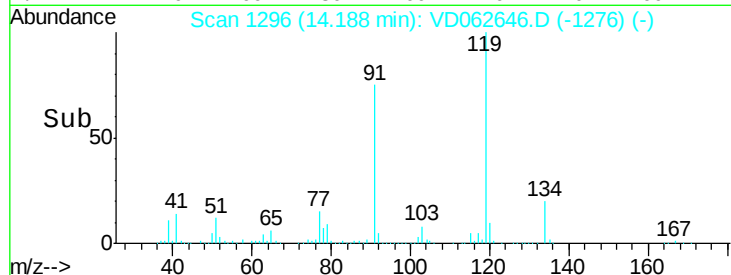
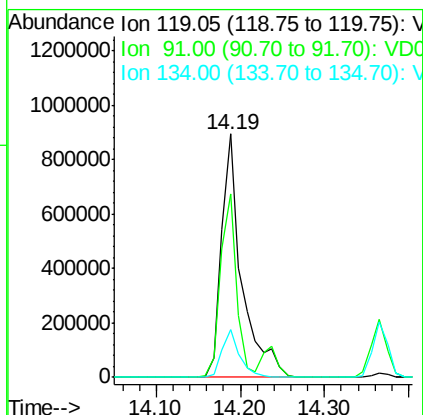
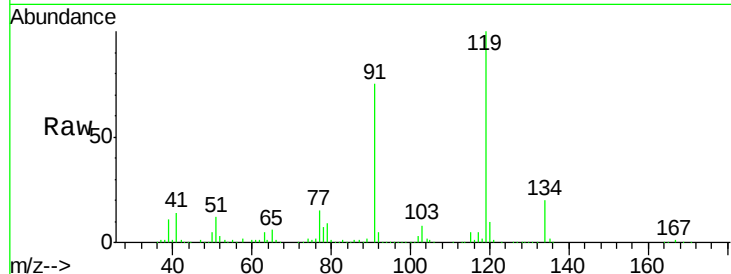




#83
 tert-Butylbenzene
 Concen: 46.404 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

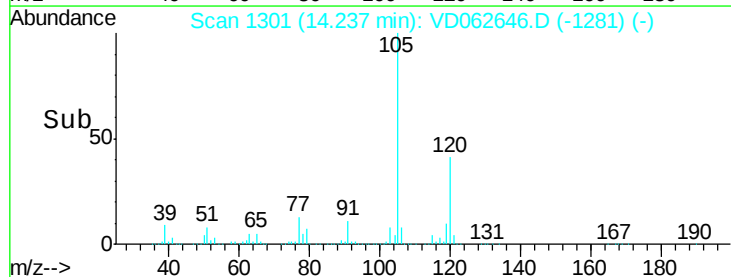
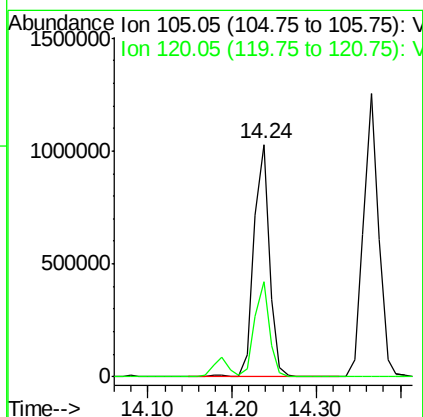
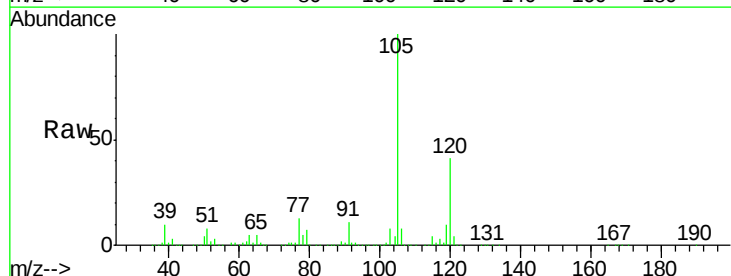
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

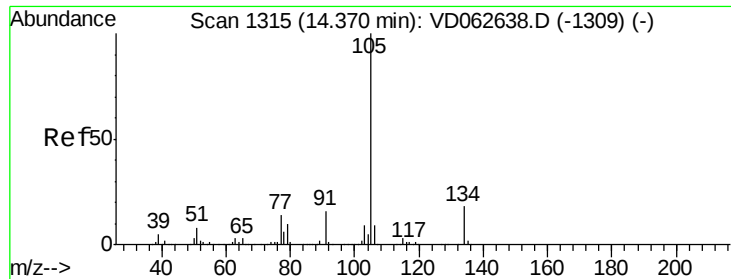
Tgt Ion:119 Resp: 1500710
 Ion Ratio Lower Upper
 119 100
 91 75.3 35.4 106.1
 134 19.8 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 45.934 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion:105 Resp: 1333548
 Ion Ratio Lower Upper
 105 100
 120 40.9 20.3 60.8

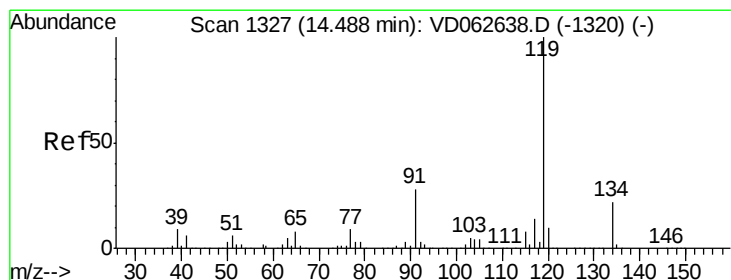
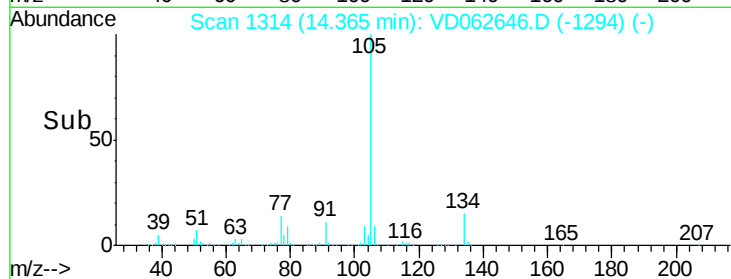
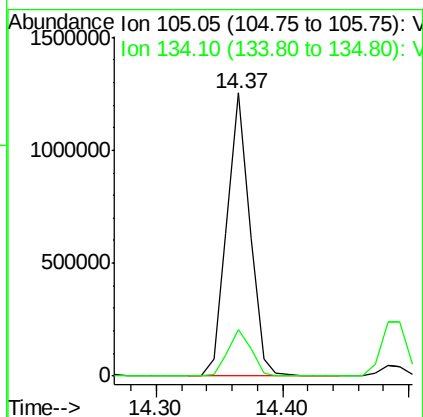
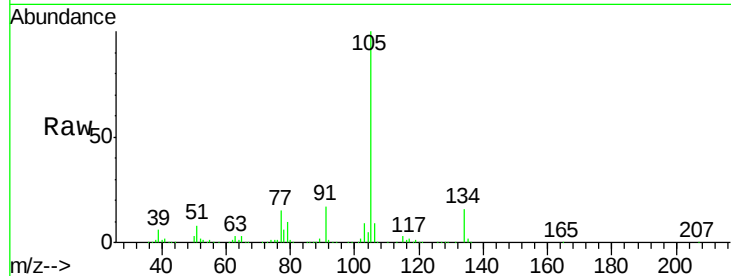




#85
 sec-Butylbenzene
 Concen: 46.466 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

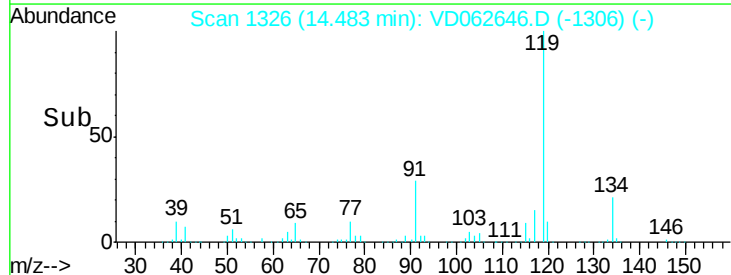
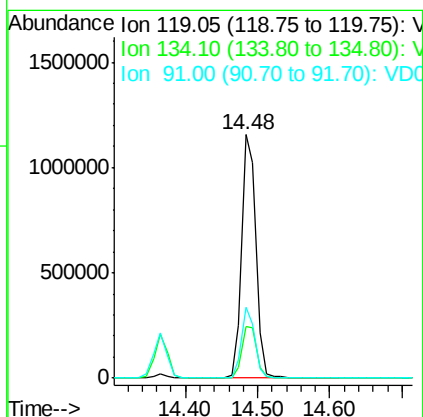
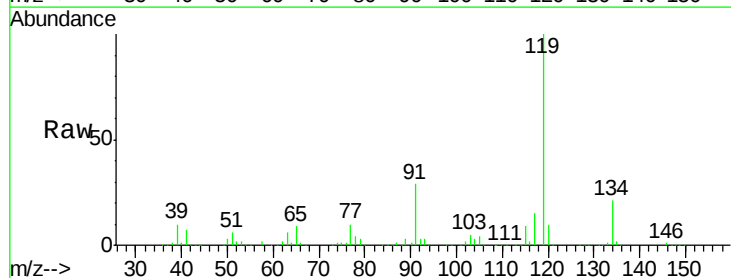
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

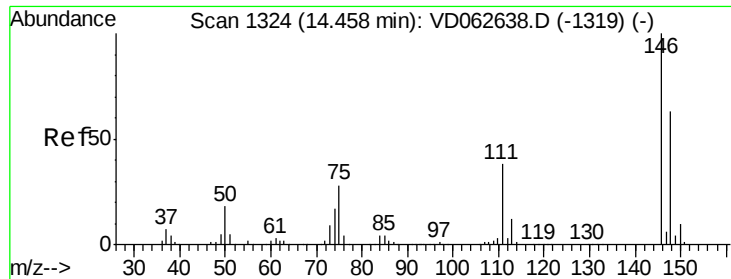
Tgt Ion:105 Resp: 1575759
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 48.298 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion:119 Resp: 1594699
 Ion Ratio Lower Upper
 119 100
 134 21.0 10.9 32.6
 91 28.9 13.9 41.6

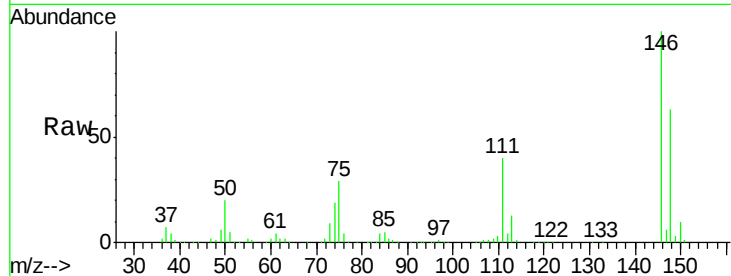




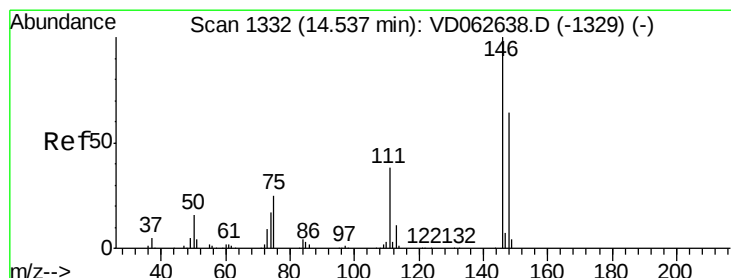
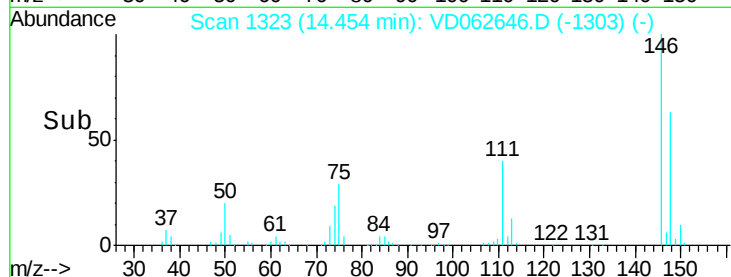
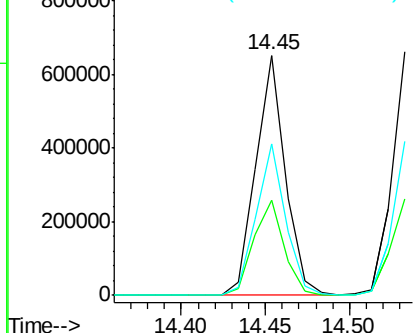
#87
 1,3-Dichlorobenzene
 Concen: 46.068 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 791386
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.2 57.6
 148 63.2 31.6 95.0

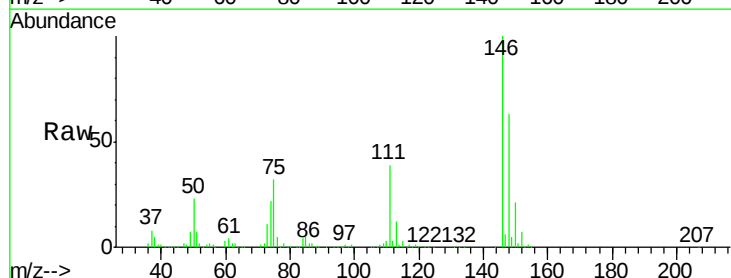


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

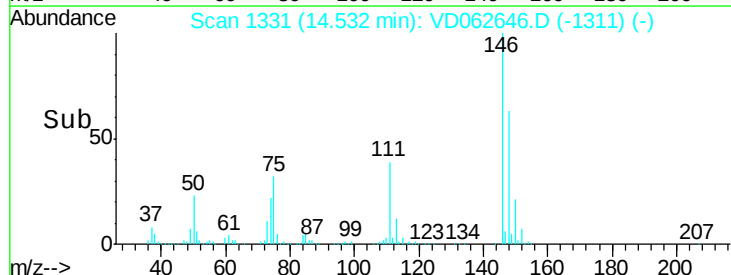
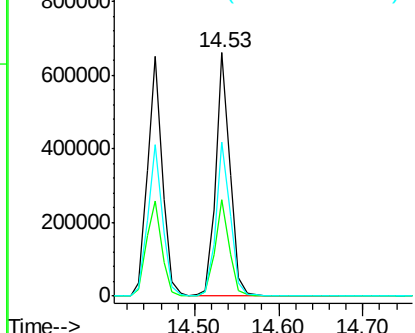


#88
 1,4-Dichlorobenzene
 Concen: 47.718 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion:146 Resp: 774682
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.7
 148 63.4 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: 48.320 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

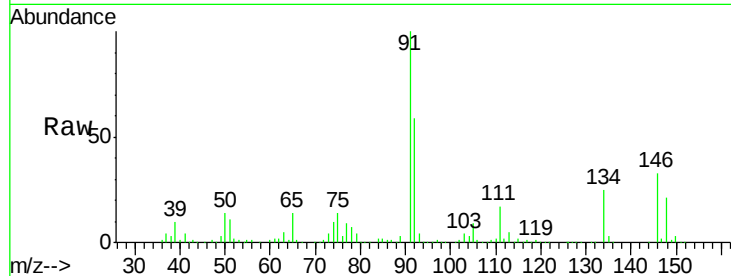
Tgt Ion: 91 Resp: 1435272

Ion Ratio Lower Upper

91 100

92 59.4 29.4 88.3

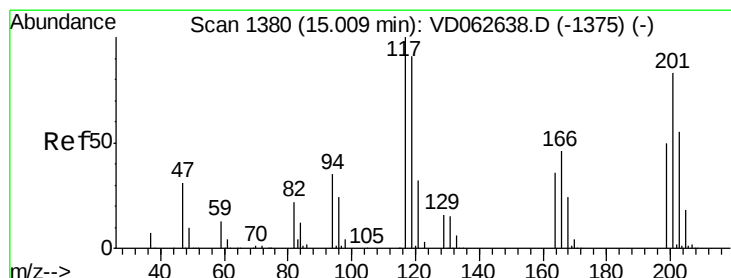
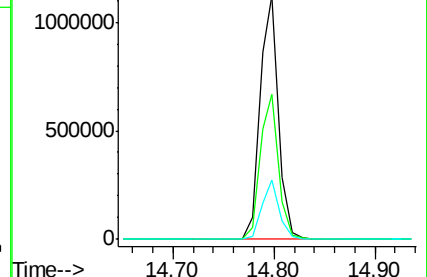
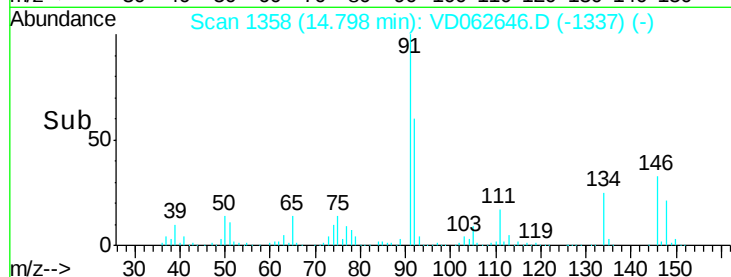
134 24.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 49.468 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062646.D

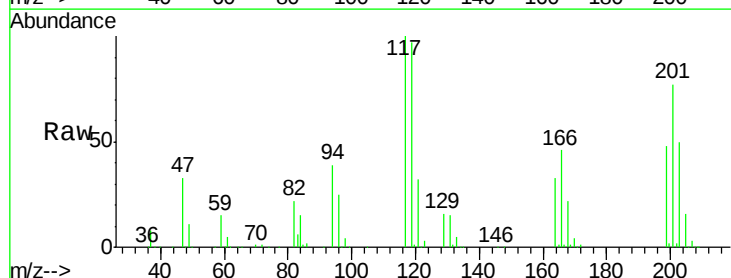
Acq: 10 Jun 2019 11:30

Tgt Ion: 117 Resp: 431189

Ion Ratio Lower Upper

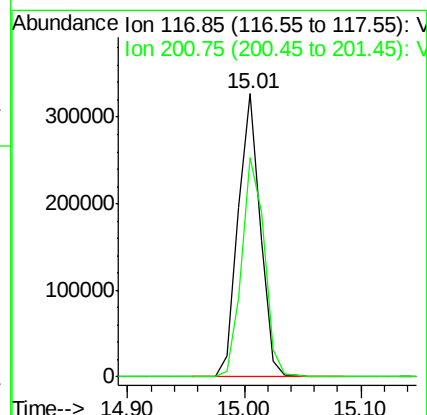
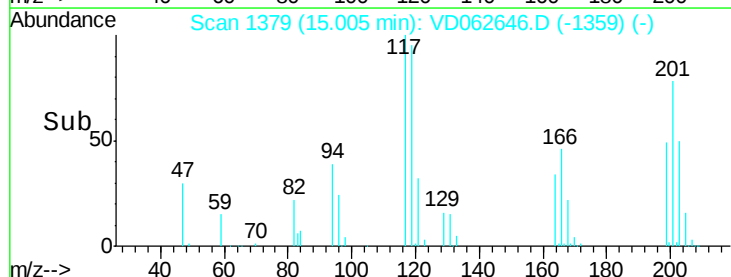
117 100

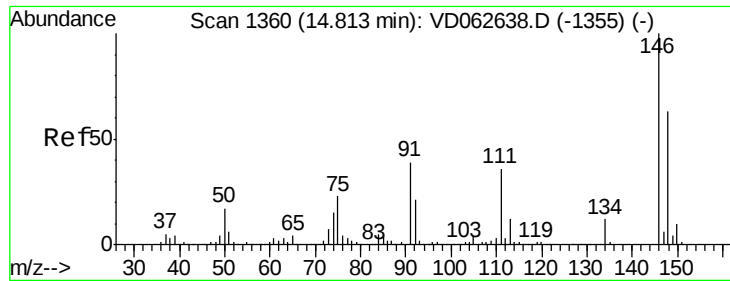
201 77.3 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

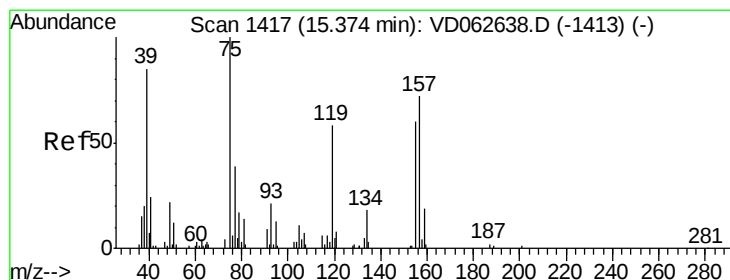
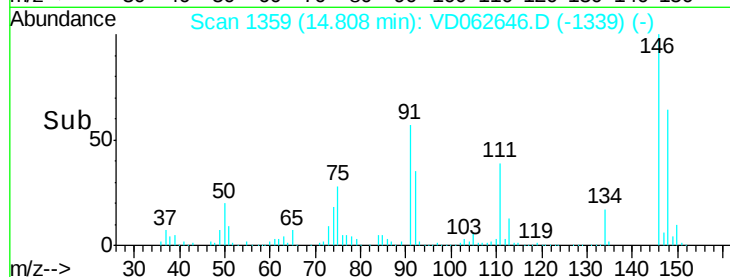
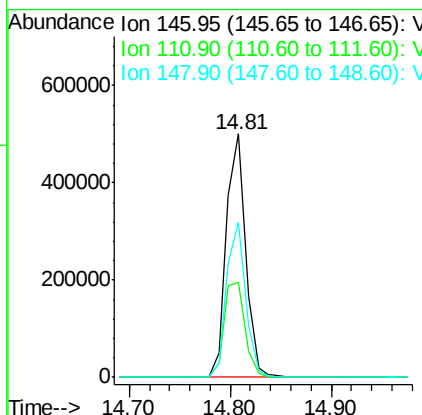
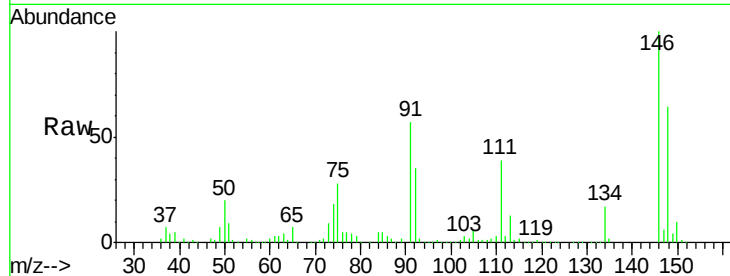




#91
 1,2-Dichlorobenzene
 Concen: 46.693 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

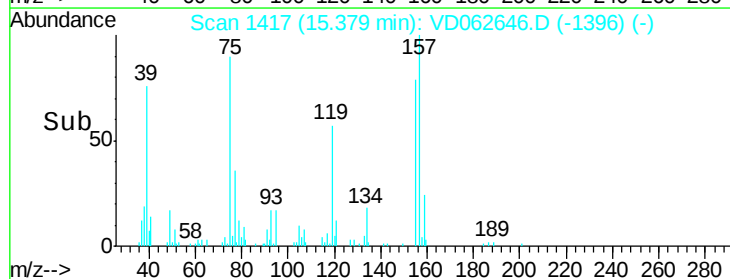
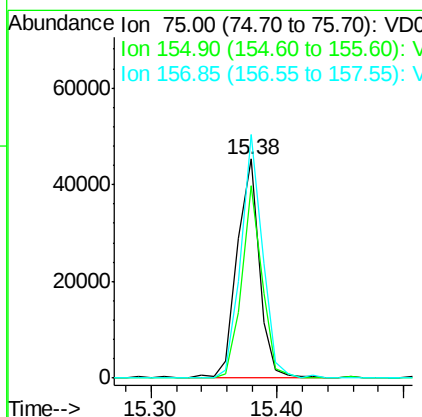
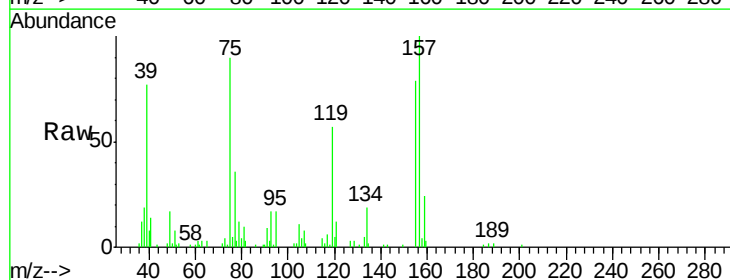
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

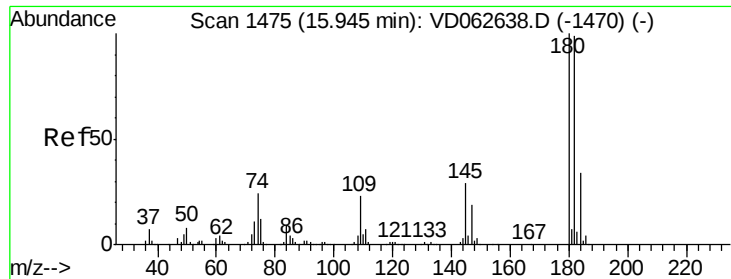
Tgt Ion:146 Resp: 666766
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.1 54.3
 148 64.0 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.522 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 75 Resp: 55199
 Ion Ratio Lower Upper
 75 100
 155 88.0 30.1 90.5
 157 111.2 35.9 107.8#

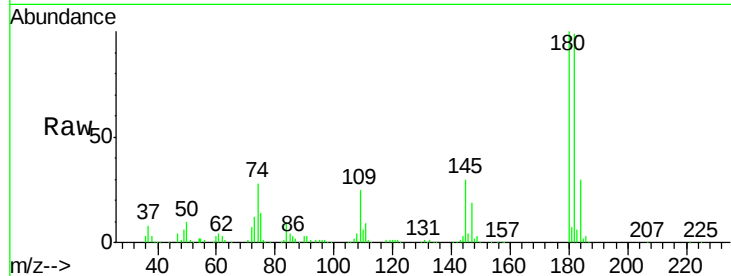




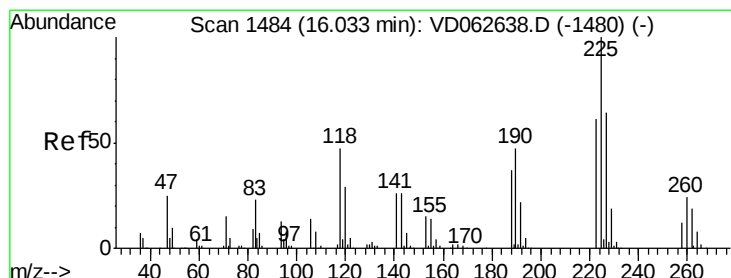
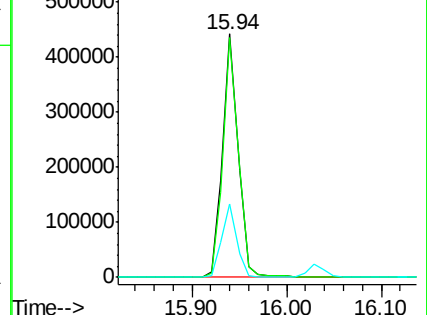
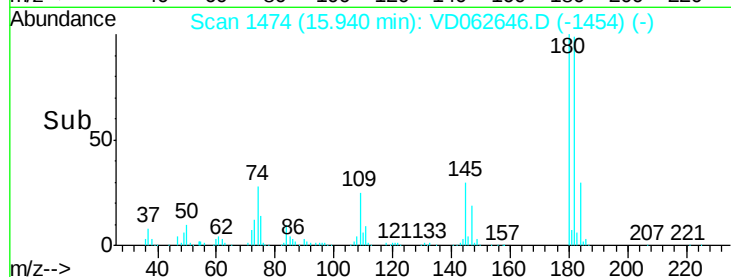
#93
 1,2,4-Trichlorobenzene
 Concen: 42.562 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 508660
 Ion Ratio Lower Upper
 180 100
 182 98.7 49.4 148.2
 145 30.4 14.5 43.6

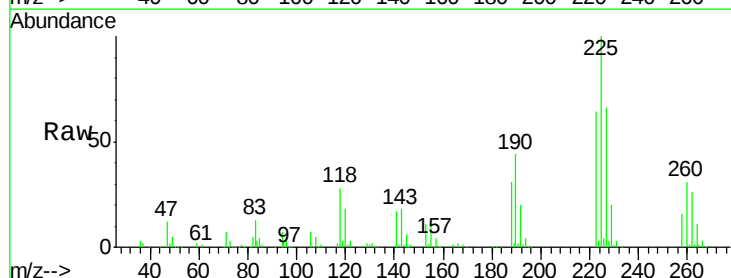


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

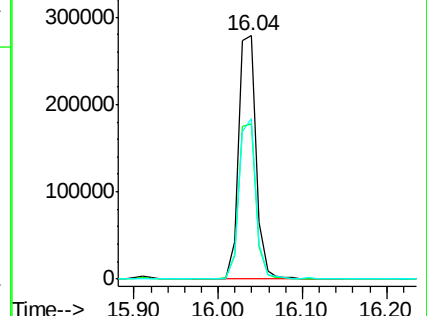
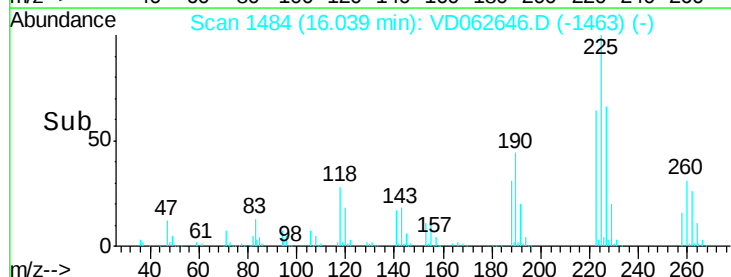


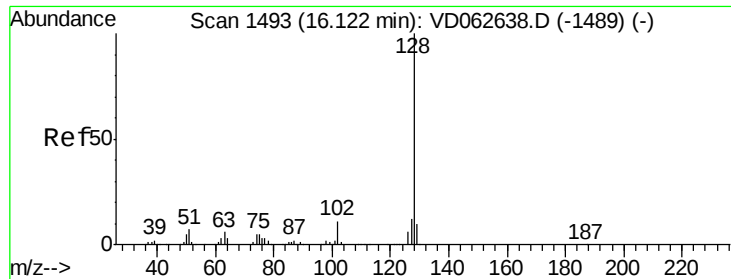
#94
 Hexachlorobutadiene
 Concen: 47.864 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion:225 Resp: 403538
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.3 91.0
 227 65.7 31.8 95.4



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

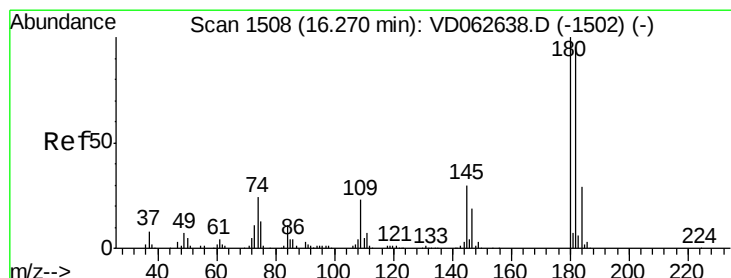
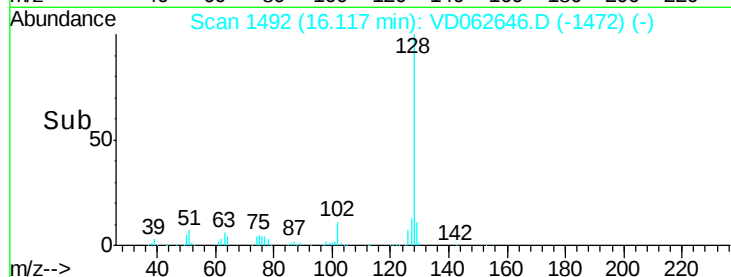
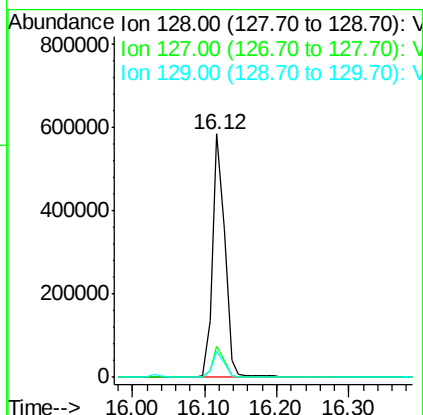
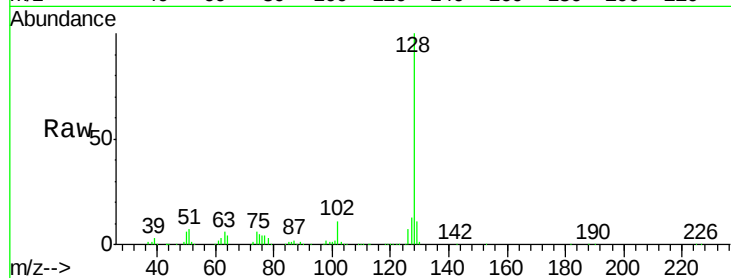




#95
Naphthalene
Concen: 40.731 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 683923
Ion Ratio Lower Upper
128 100
127 12.9 9.7 14.5
129 10.6 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 45.146 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:180 Resp: 371323
Ion Ratio Lower Upper
180 100
182 92.4 47.7 143.1
145 32.8 15.0 45.0

