

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
 Data File : VD062718.D
 Acq On : 17 Jun 2019 11:02
 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 17 11:25:03 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	817390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1092348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	863893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	493235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	561060	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	6.92	113	569528	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.41	98	1268897	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	13.55	95	562450	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	413267	43.135	ug/l	100
3) Chloromethane	1.75	50	369134	45.641	ug/l	97
4) Vinyl Chloride	1.85	62	391985	47.001	ug/l #	86
5) Bromomethane	2.15	94	180265	42.821	ug/l	90
6) Chloroethane	2.27	64	209782	50.948	ug/l	93
7) Trichlorofluoromethane	2.53	101	905851	48.527	ug/l	97
8) Diethyl Ether	2.87	74	117331	46.214	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	500987	49.765	ug/l	91
10) Methyl Iodide	3.30	142	650061	44.925	ug/l	91
11) Tert butyl alcohol	4.07	59	107306	221.328	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	353053	48.868	ug/l	94
13) Acrolein	3.04	56	33432	214.370	ug/l	93
14) Allyl chloride	3.61	41	565052	50.867	ug/l	92
15) Acrylonitrile	4.19	53	281040	255.090	ug/l	94
16) Acetone	3.22	43	644922	298.599	ug/l	94
17) Carbon Disulfide	3.37	76	1063931	49.974	ug/l	99
18) Methyl Acetate	3.64	43	159322	44.886	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	850836	48.287	ug/l	98
20) Methylene Chloride	3.81	84	357264	43.725	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	392155	49.485	ug/l	92
22) Diisopropyl ether	5.12	45	1186262	51.430	ug/l	98
23) Vinyl Acetate	5.06	43	3753459	262.305	ug/l	98
24) 1,1-Dichloroethane	4.98	63	756210	50.963	ug/l	97
25) 2-Butanone	6.07	43	530387	251.715	ug/l	98
26) 2,2-Dichloropropane	6.02	77	899600	52.603	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	441599	51.402	ug/l	93
28) Bromochloromethane	6.43	49	271848	47.926	ug/l	94
29) Tetrahydrofuran	6.45	42	226034	238.209	ug/l	96
30) Chloroform	6.66	83	941695	49.464	ug/l	88
31) Cyclohexane	6.95	56	534196	57.390	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	1000705	52.824	ug/l	98
36) 1,1-Dichloropropene	7.14	75	620858	49.661	ug/l	98
37) Ethyl Acetate	6.19	43	269928	50.622	ug/l #	96
38) Carbon Tetrachloride	7.11	117	1090878	55.205	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
 Data File : VD062718.D
 Acq On : 17 Jun 2019 11:02
 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 17 11:25:03 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)
39) Methylcyclohexane	8.86	83	558033	55.236	ug/l	93
40) Benzene	7.45	78	1278288	52.357	ug/l	98
41) Methacrylonitrile	6.44	41	315990	48.284	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	692201	47.567	ug/l	98
43) Isopropyl Acetate	9.24	43	346573	52.539	ug/l #	98
44) Trichloroethene	8.54	130	506296	51.080	ug/l	96
45) 1,2-Dichloropropane	8.94	63	304735	51.963	ug/l	99
46) Dibromomethane	9.06	93	266703	51.234	ug/l	90
47) Bromodichloromethane	9.37	83	728047	51.414	ug/l	95
48) Methyl methacrylate	9.12	41	237557	49.848	ug/l	94
49) 1,4-Dioxane	9.08	88	40347	949.278	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	1218030	263.887	ug/l	100
52) Toluene	10.51	92	858196	52.293	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	625175	53.848	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	648004	54.003	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	281054	49.937	ug/l	93
56) Ethyl methacrylate	11.04	69	309205	45.944	ug/l	96
57) 1,3-Dichloropropane	11.41	76	425229	48.747	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	695938	231.355	ug/l	96
59) 2-Hexanone	11.53	43	894112	260.411	ug/l	98
60) Dibromochloromethane	11.68	129	574148	51.678	ug/l	97
61) 1,2-Dibromoethane	11.80	107	355192	52.731	ug/l	93
64) Tetrachloroethene	11.26	164	442603	54.730	ug/l	97
65) Chlorobenzene	12.40	112	1025244	53.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	492925	54.086	ug/l	99
67) Ethyl Benzene	12.52	91	1901304	56.118	ug/l	98
68) m/p-Xylenes	12.67	106	1324274	111.182	ug/l	98
69) o-Xylene	13.05	106	660255	60.358	ug/l	91
70) Styrene	13.07	104	1145435	58.686	ug/l	96
71) Bromoform	13.24	173	355292	50.772	ug/l	96
73) Isopropylbenzene	13.40	105	1941393	55.842	ug/l	97
74) N-amyl acetate	13.27	43	520269	55.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	324648	54.575	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	371173	55.500	ug/l	97
77) Bromobenzene	13.67	156	540605	54.405	ug/l	94
78) n-propylbenzene	13.78	91	2350810	55.241	ug/l	96
79) 2-Chlorotoluene	13.84	91	1326960	53.255	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1683821	54.802	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	99041	49.942	ug/l	93
82) 4-Chlorotoluene	13.95	91	1580901	53.054	ug/l	99
83) tert-Butylbenzene	14.19	119	1945764	57.416	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1627542	53.499	ug/l	97
85) sec-Butylbenzene	14.37	105	2029820	57.120	ug/l	98
86) p-Isopropyltoluene	14.49	119	1987726	57.451	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1018138	56.560	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	899944	52.900	ug/l	98
89) n-Butylbenzene	14.80	91	1738297	55.847	ug/l	95
90) Hexachloroethane	15.01	117	523532	57.317	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	816562	54.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	70892	55.792	ug/l #	41

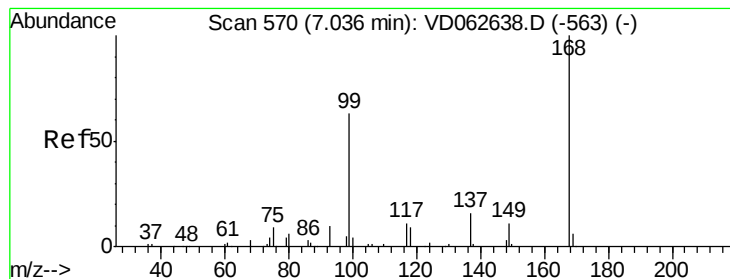
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
Data File : VD062718.D
Acq On : 17 Jun 2019 11:02
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 11:25:03 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)
93) 1,2,4-Trichlorobenzene	15.94	180	620338	48.950	ug/l	97
94) Hexachlorobutadiene	16.03	225	468427	53.021	ug/l	97
95) Naphthalene	16.12	128	856987	48.031	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	467424	54.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

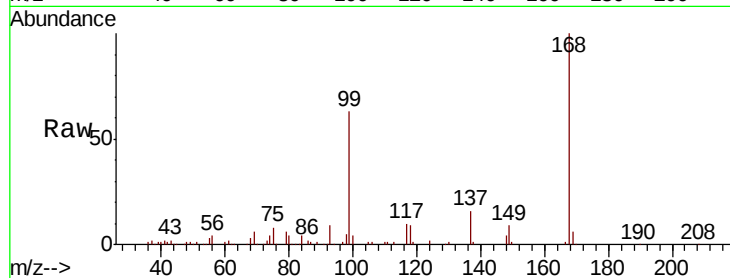
VSTDCCC050

Tgt Ion:168 Resp: 817390

Ion Ratio Lower Upper

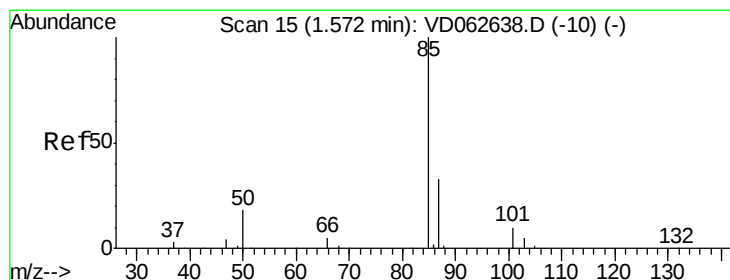
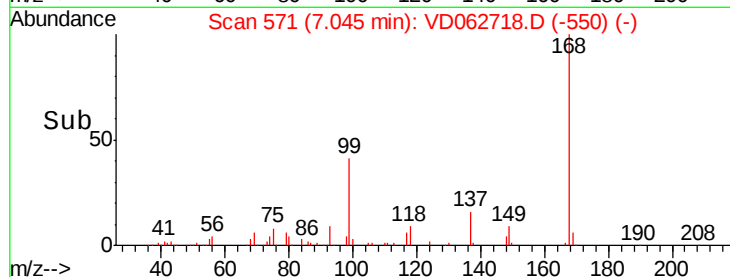
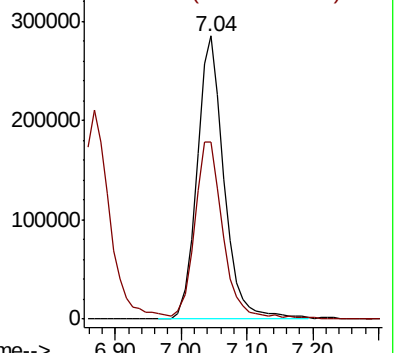
168 100

99 62.8 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: 43.135 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062718.D

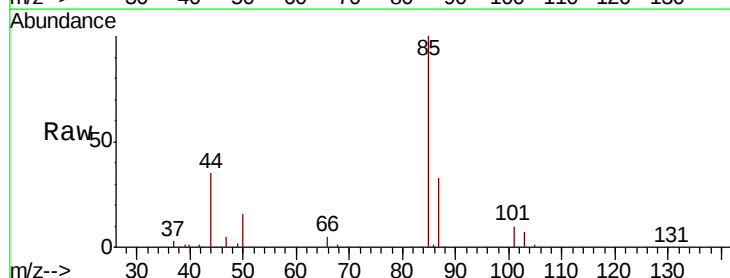
Acq: 17 Jun 2019 11:02

Tgt Ion: 85 Resp: 413267

Ion Ratio Lower Upper

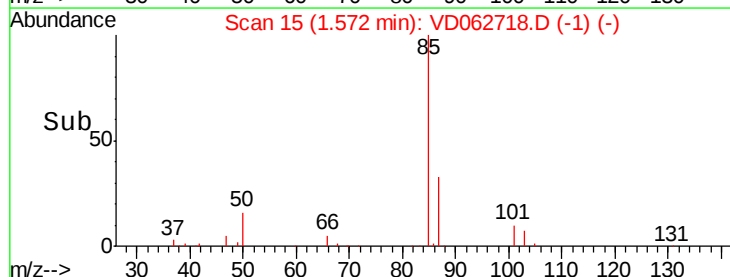
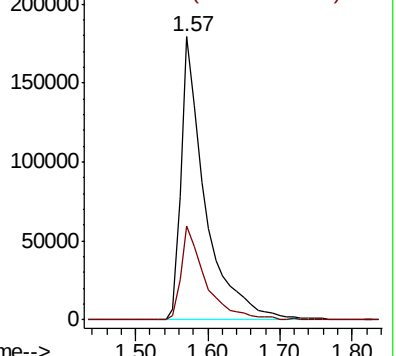
85 100

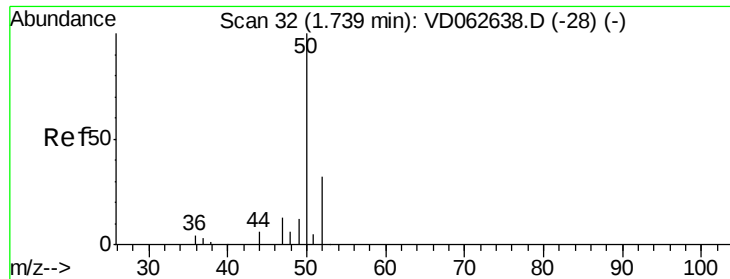
87 33.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.641 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

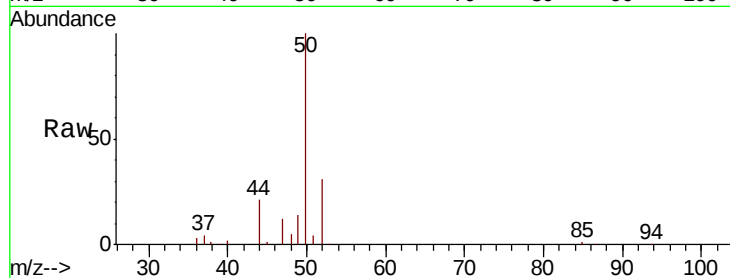
VSTDCCC050

Tgt Ion: 50 Resp: 369134

Ion Ratio Lower Upper

50 100

52 30.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

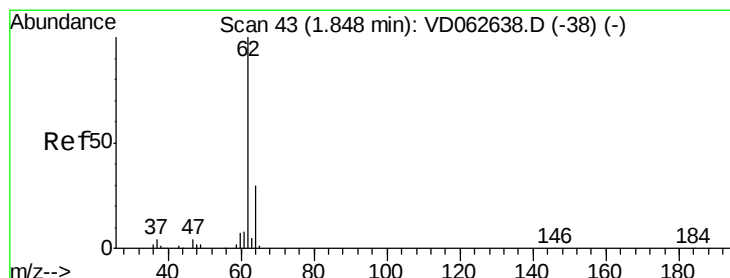
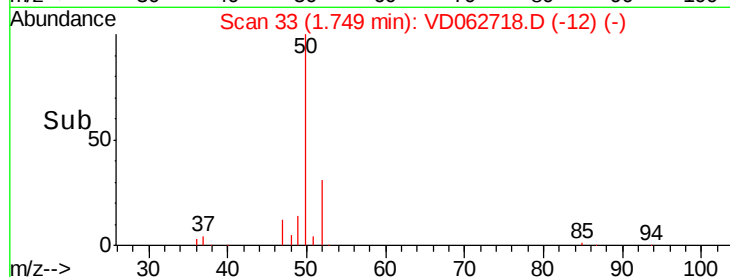
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.001 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062718.D

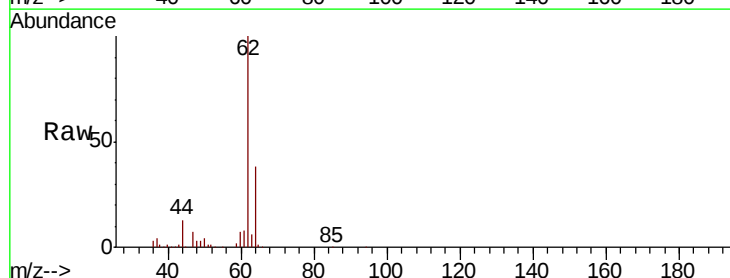
Acq: 17 Jun 2019 11:02

Tgt Ion: 62 Resp: 391985

Ion Ratio Lower Upper

62 100

64 37.8 24.2 36.4#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

200000

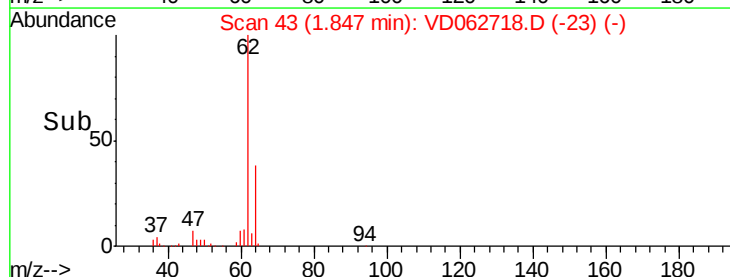
150000

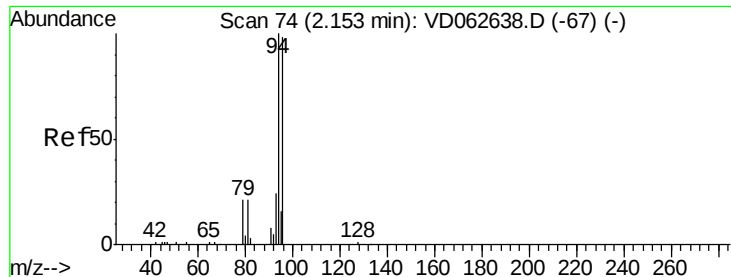
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.821 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

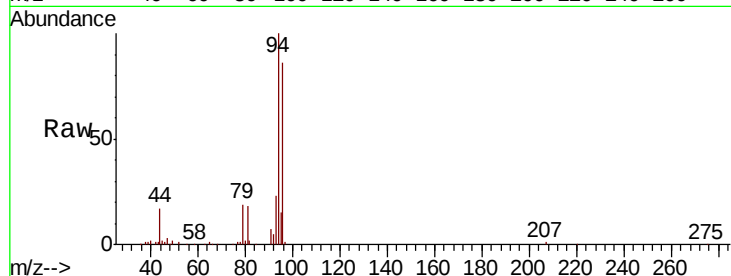
Tgt Ion: 94 Resp: 180265

Ion Ratio Lower Upper

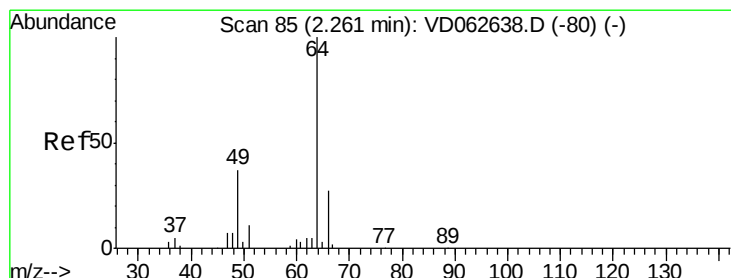
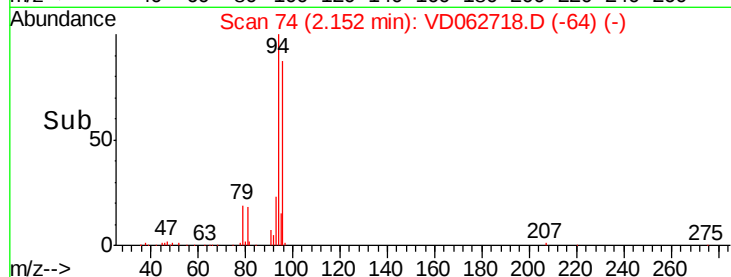
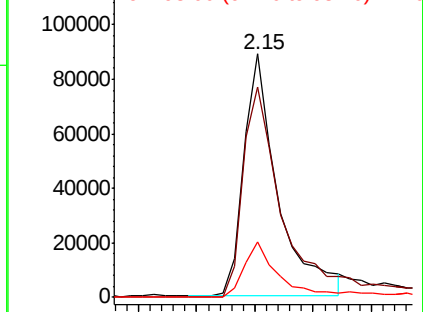
94 100

96 86.4 78.1 117.1

93 22.7 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: 50.948 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062718.D

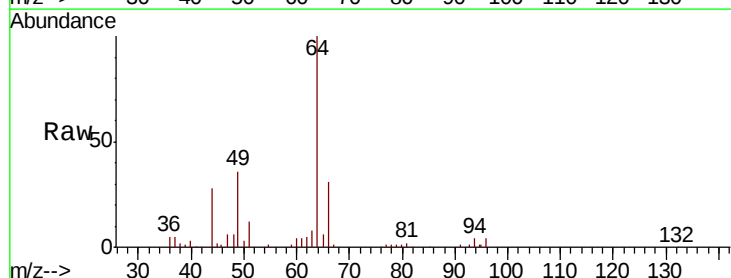
Acq: 17 Jun 2019 11:02

Tgt Ion: 64 Resp: 209782

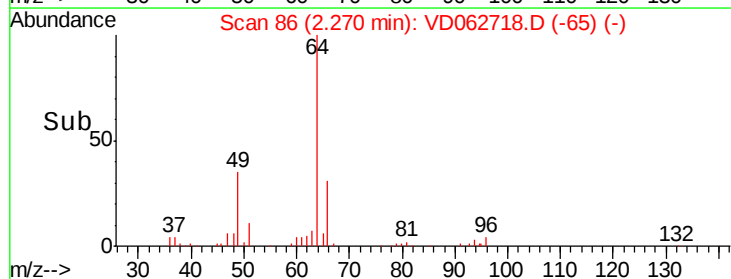
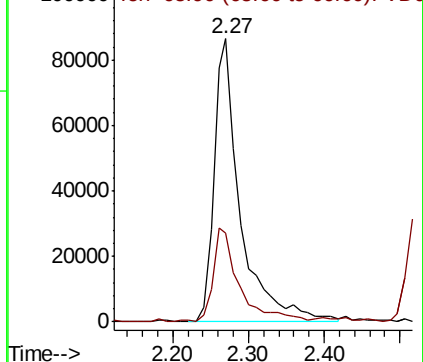
Ion Ratio Lower Upper

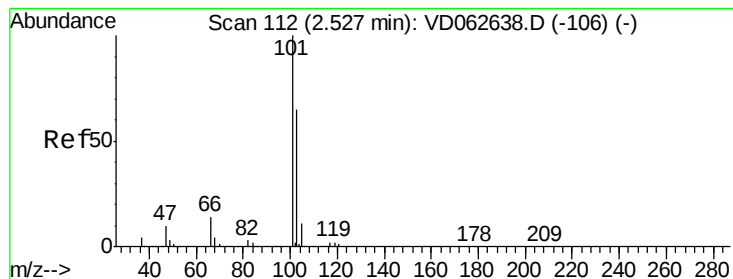
64 100

66 31.3 21.9 32.9



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



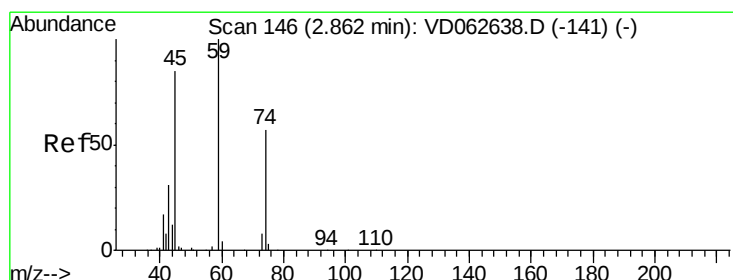
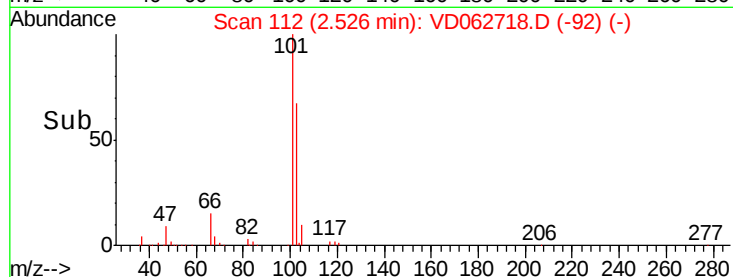
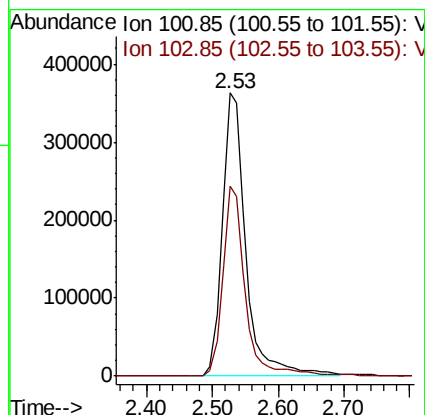
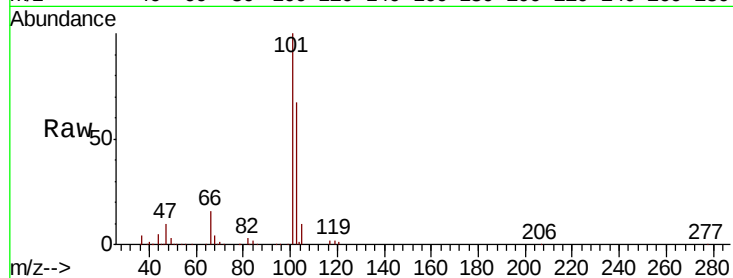


#7

Trichlorofluoromethane
 Concen: 48.527 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

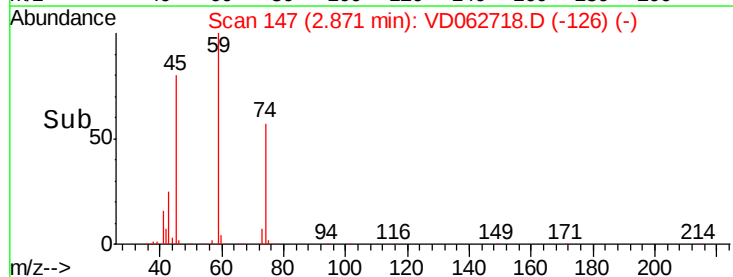
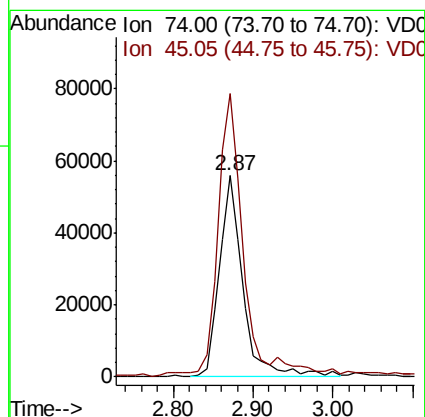
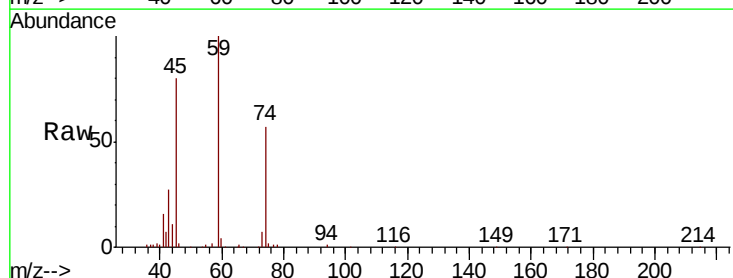
Tgt Ion: 101 Resp: 905851
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.2 78.2

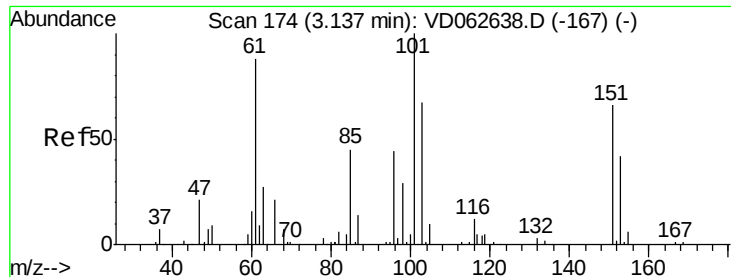


#8

Diethyl Ether
 Concen: 46.214 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 74 Resp: 117331
 Ion Ratio Lower Upper
 74 100
 45 140.8 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.765 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

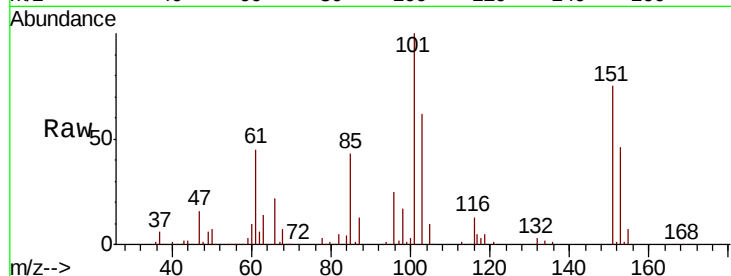
Tgt Ion:101 Resp: 500987

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

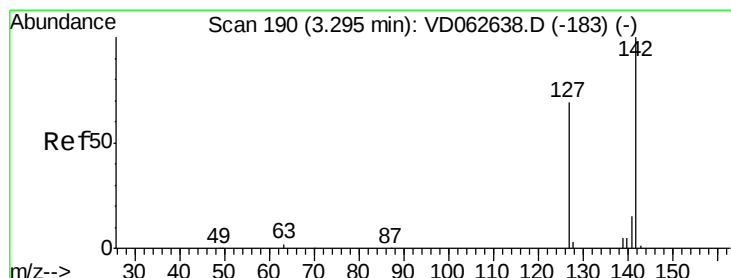
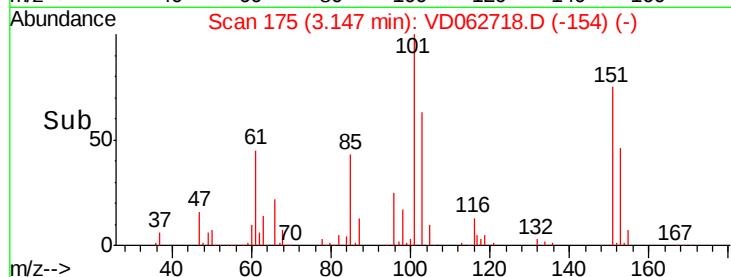
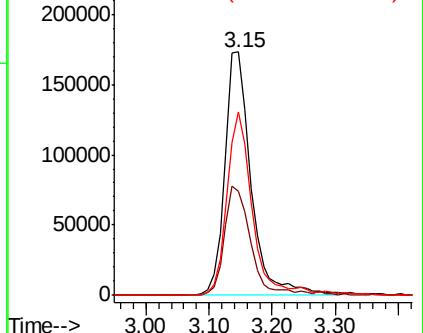
151 75.3 52.6 79.0



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: 44.925 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

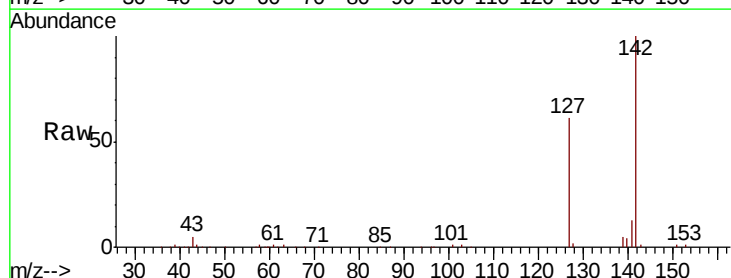
Tgt Ion:142 Resp: 650061

Ion Ratio Lower Upper

142 100

127 61.4 55.2 82.8

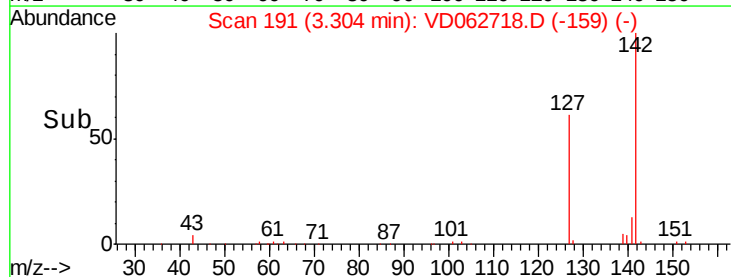
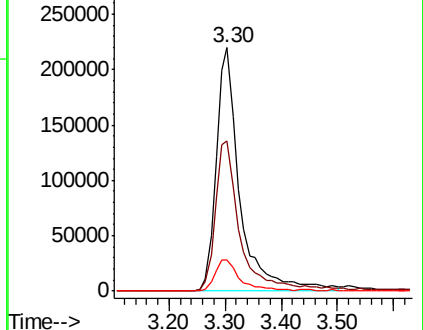
141 12.9 12.1 18.1

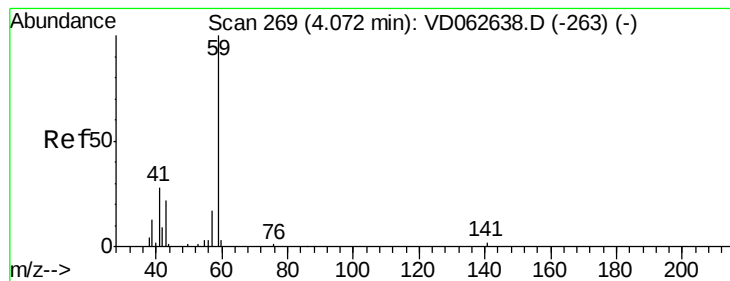


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



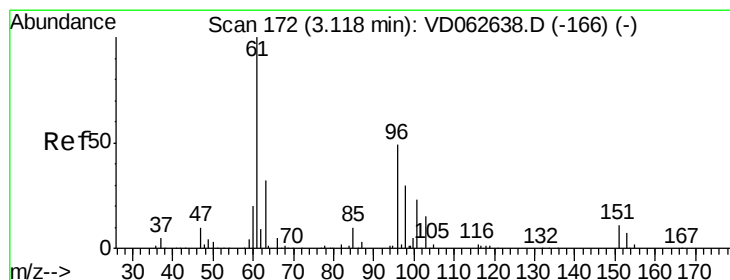
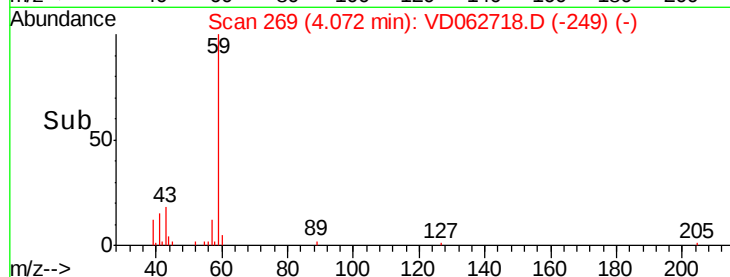
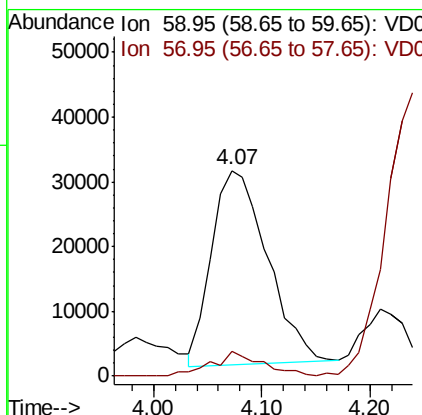
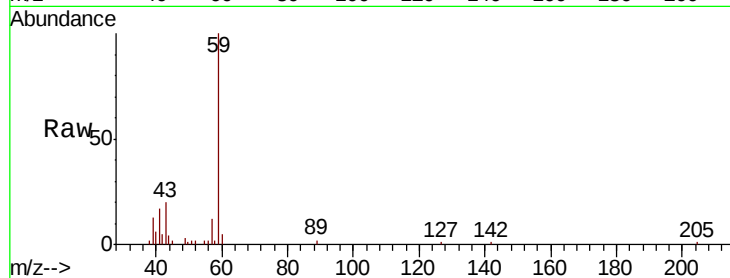


#11

Tert butyl alcohol
 Concen: 221.328 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

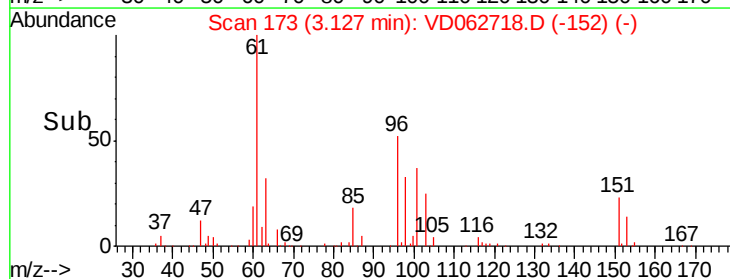
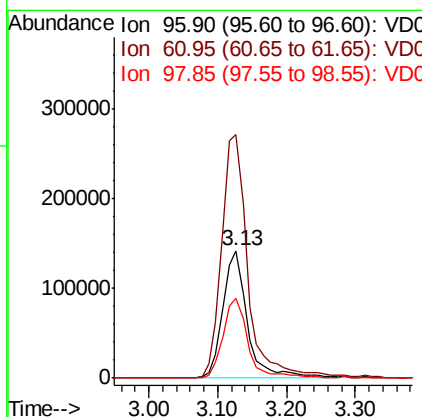
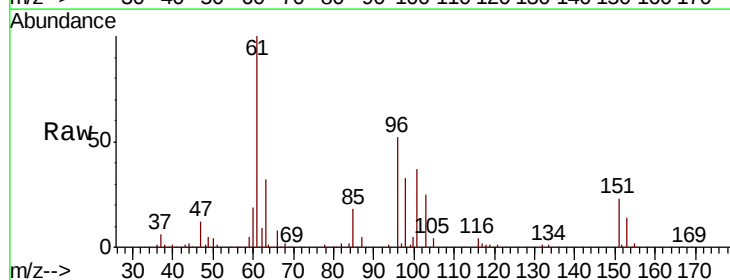
Tgt Ion: 59 Resp: 107306
 Ion Ratio Lower Upper
 59 100
 57 12.3 13.7 20.5#

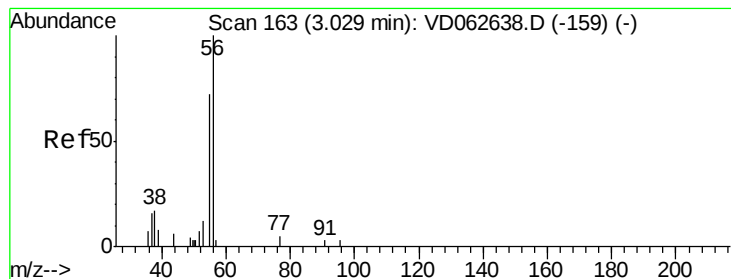


#12

1,1-Dichloroethene
 Concen: 48.868 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 96 Resp: 353053
 Ion Ratio Lower Upper
 96 100
 61 191.4 161.8 242.8
 98 62.5 48.2 72.4





#13

Acrolein

Concen: 214.370 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

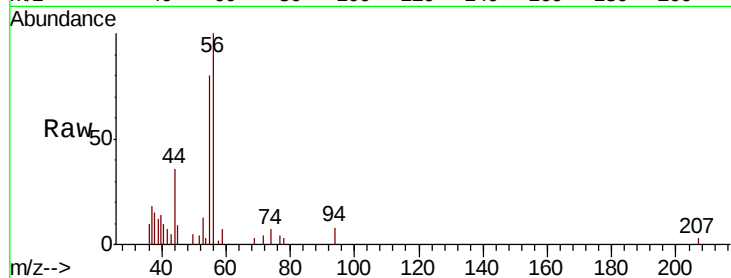
VSTDCCC050

Tgt Ion: 56 Resp: 33432

Ion Ratio Lower Upper

56 100

55 79.8 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

15000

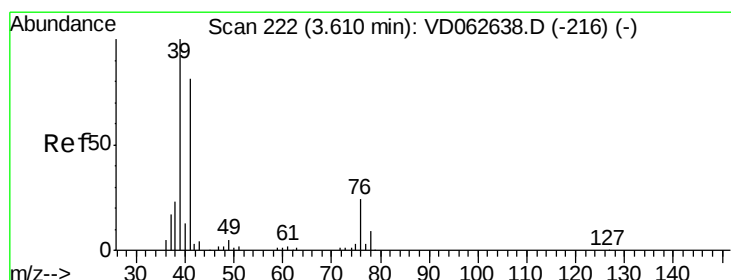
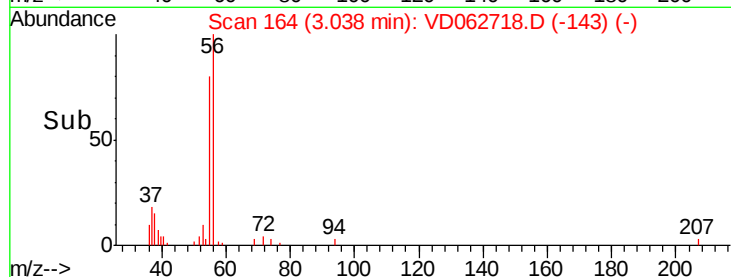
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.867 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

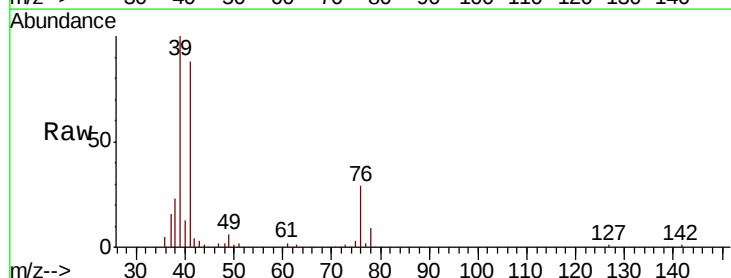
Tgt Ion: 41 Resp: 565052

Ion Ratio Lower Upper

41 100

39 113.6 99.1 148.7

76 32.8 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

3.61

300000

250000

200000

150000

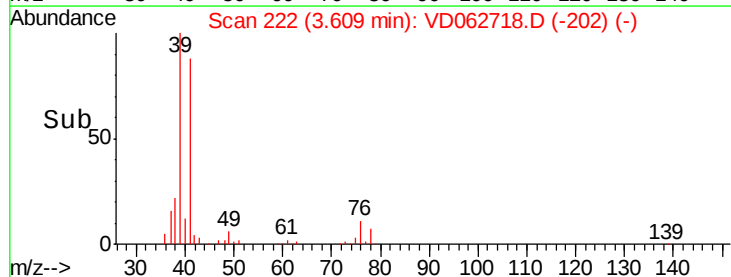
100000

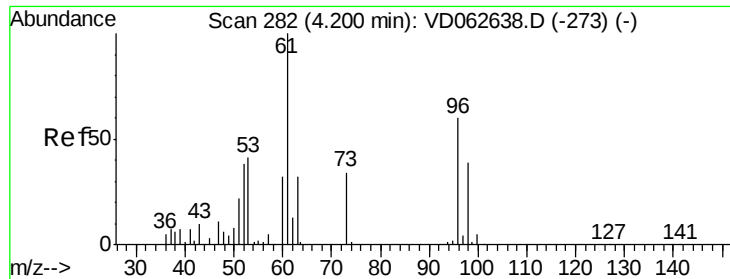
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 255.090 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

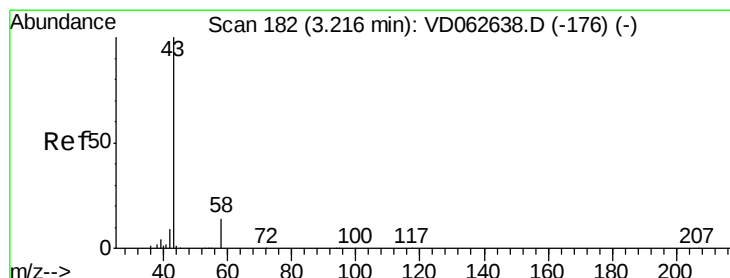
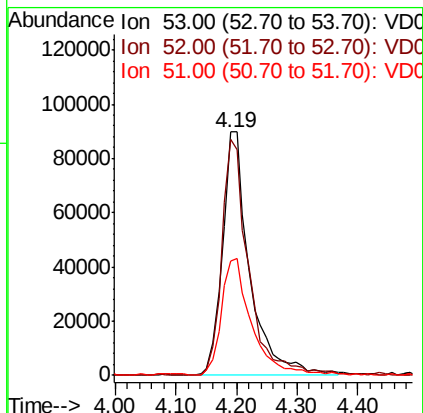
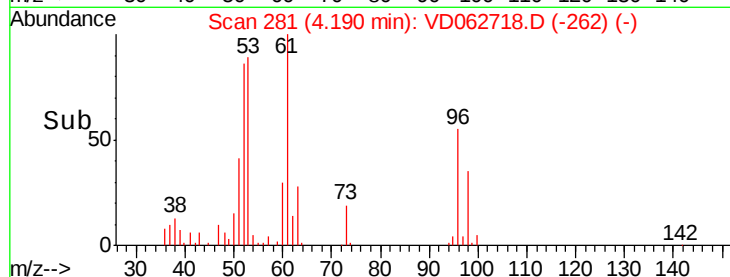
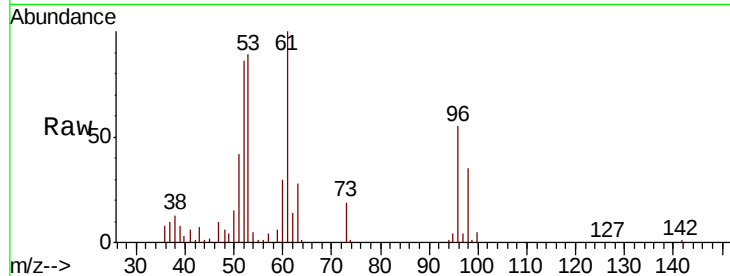
Tgt Ion: 53 Resp: 281040

Ion Ratio Lower Upper

53 100

52 96.8 73.6 110.4

51 46.9 42.0 63.0



#16

Acetone

Concen: 298.599 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062718.D

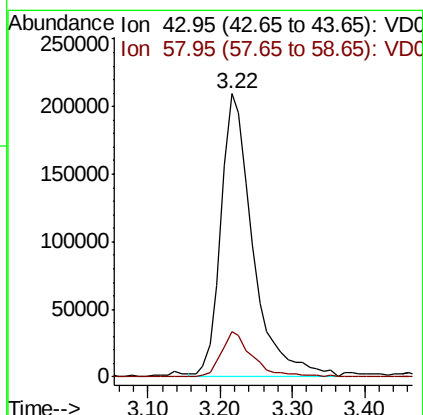
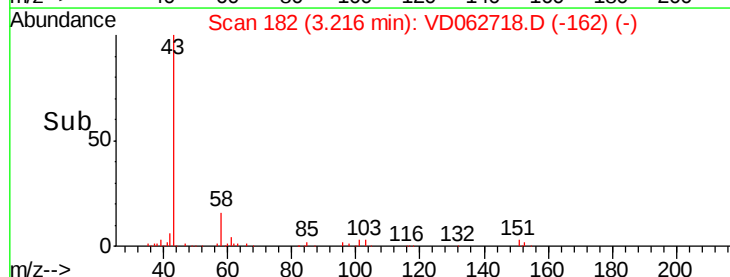
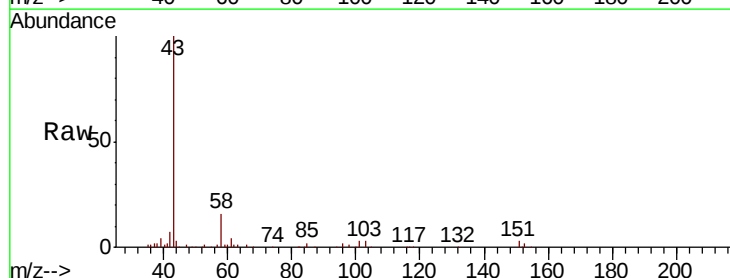
Acq: 17 Jun 2019 11:02

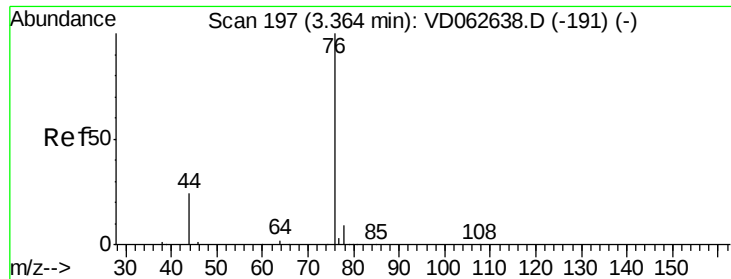
Tgt Ion: 43 Resp: 644922

Ion Ratio Lower Upper

43 100

58 16.0 10.8 16.2

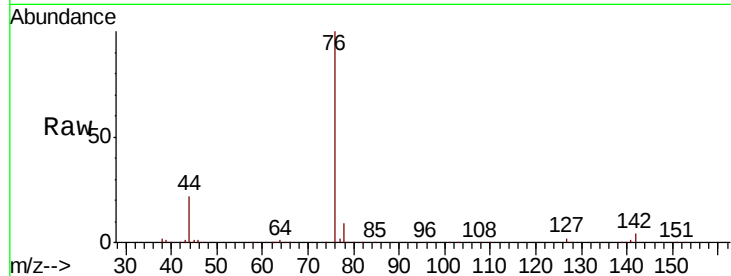




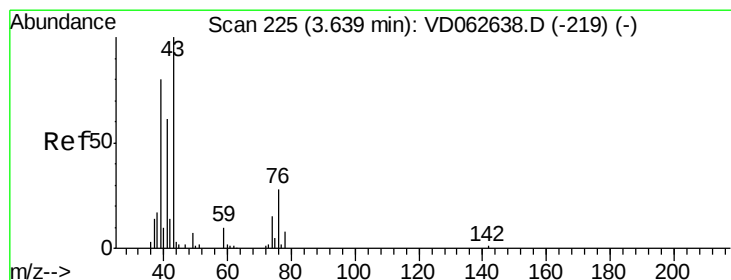
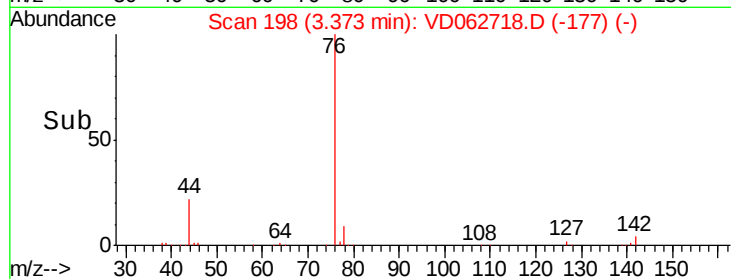
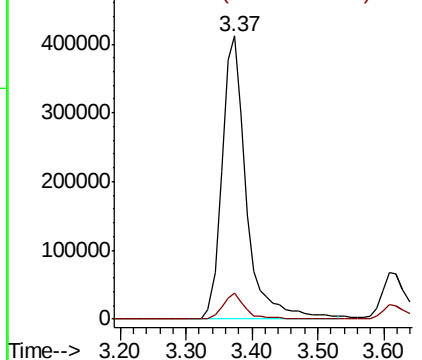
#17
Carbon Disulfide
Concen: 49.974 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1063931
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

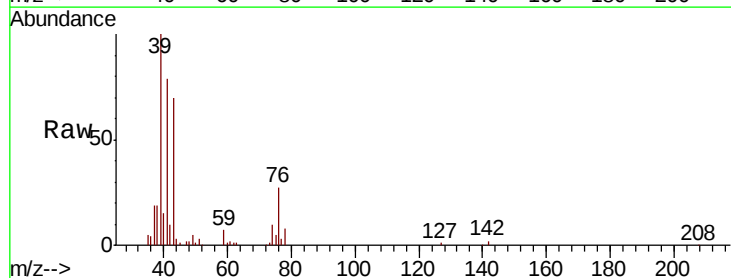


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

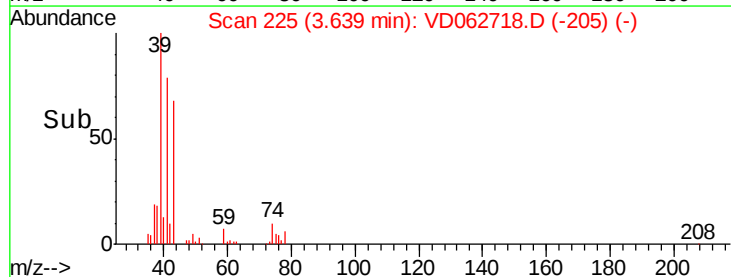
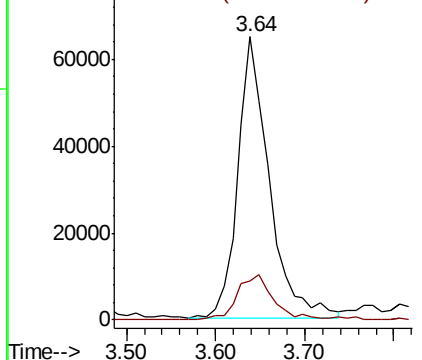


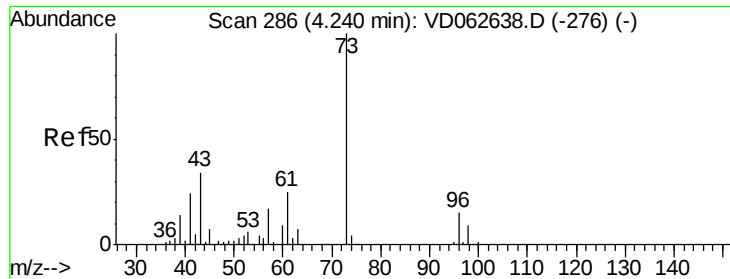
#18
Methyl Acetate
Concen: 44.886 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 43 Resp: 159322
Ion Ratio Lower Upper
43 100
74 13.8 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

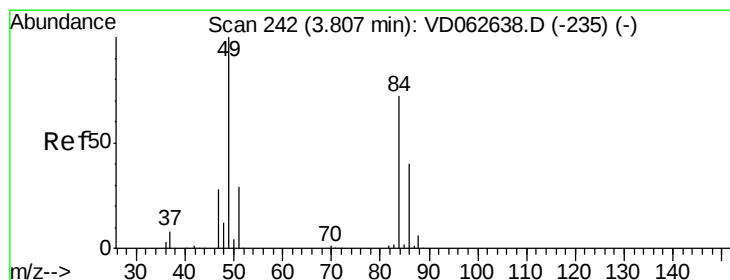
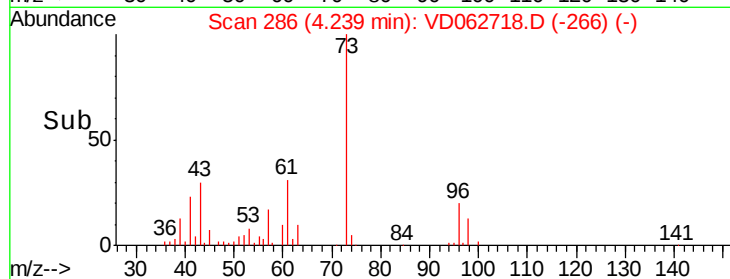
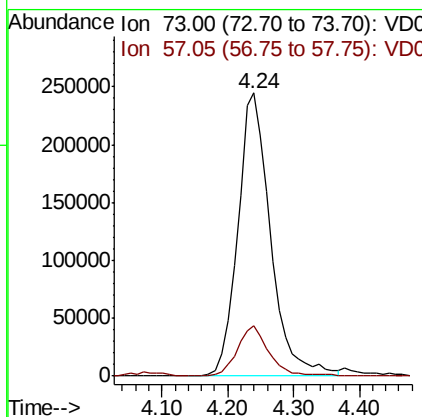
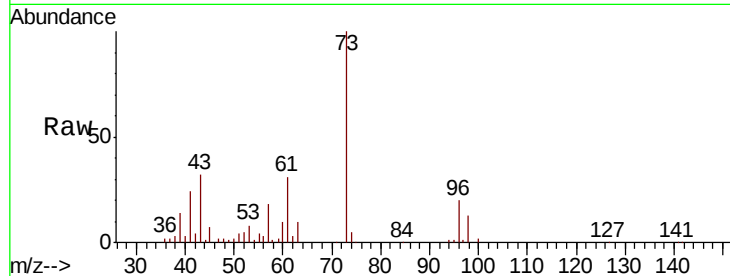




#19
Methyl tert-butyl Ether
Concen: 48.287 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

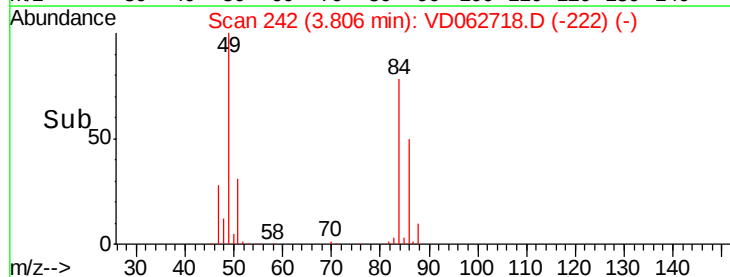
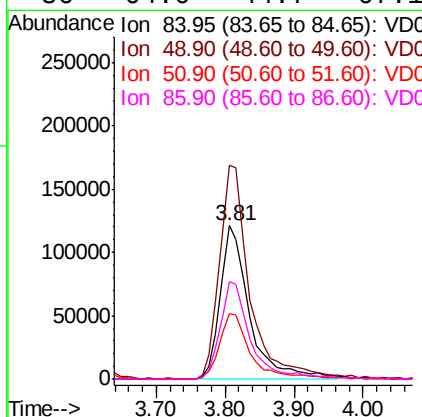
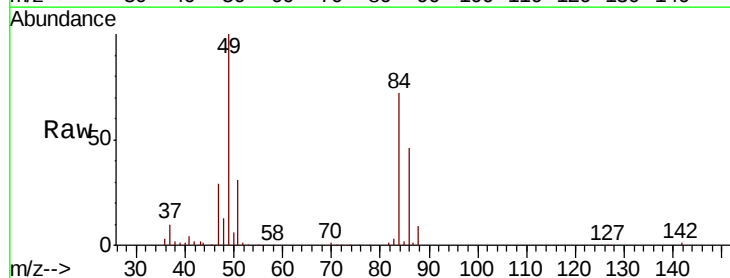
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

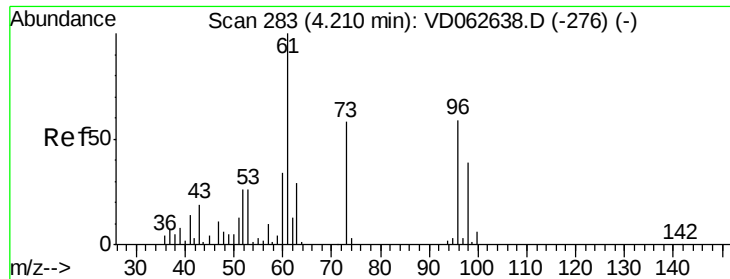
Tgt Ion: 73 Resp: 850836
Ion Ratio Lower Upper
73 100
57 17.9 13.5 20.3



#20
Methylene Chloride
Concen: 43.725 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 84 Resp: 357264
Ion Ratio Lower Upper
84 100
49 139.5 111.2 166.8
51 43.0 31.9 47.9
86 64.0 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 49.485 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

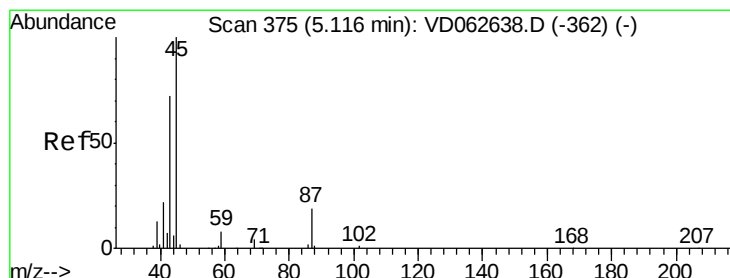
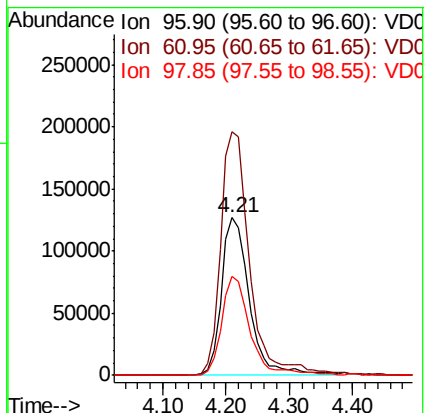
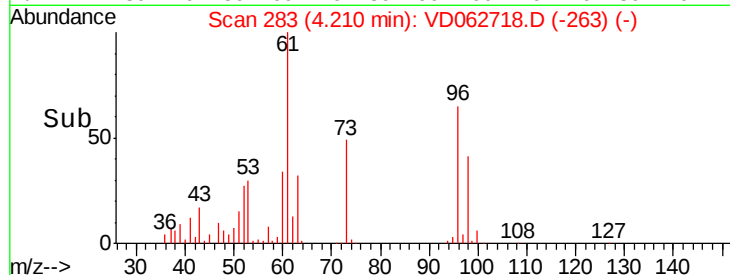
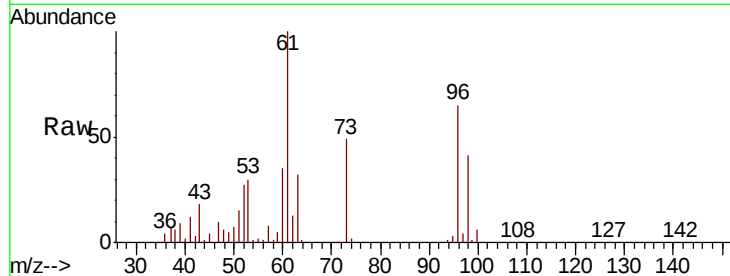
Tgt Ion: 96 Resp: 392155

Ion Ratio Lower Upper

96 100

61 154.7 134.6 201.8

98 63.0 51.8 77.8



#22

Diisopropyl ether

Concen: 51.430 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion: 45 Resp: 1186262

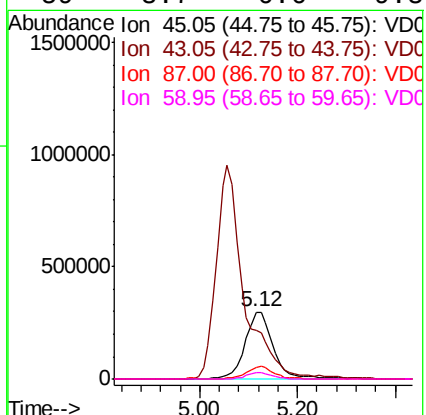
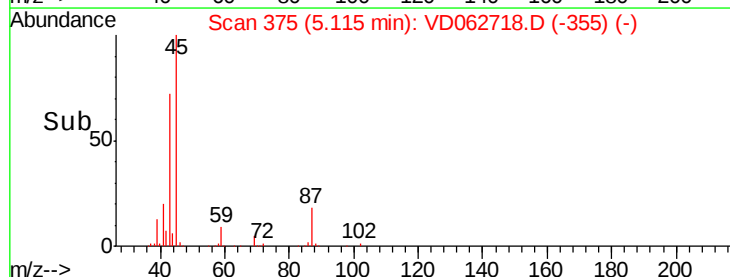
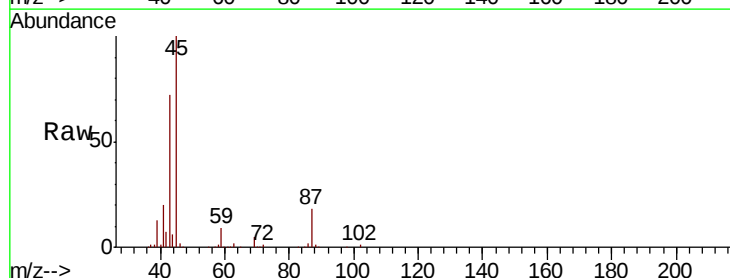
Ion Ratio Lower Upper

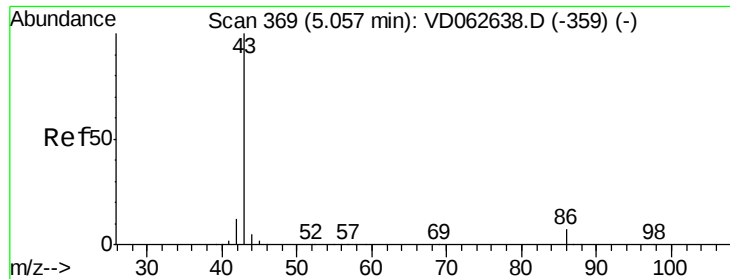
45 100

43 72.2 58.8 88.2

87 17.8 15.7 23.5

59 8.7 6.6 9.8





#23

Vinyl Acetate

Concen: 262.305 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

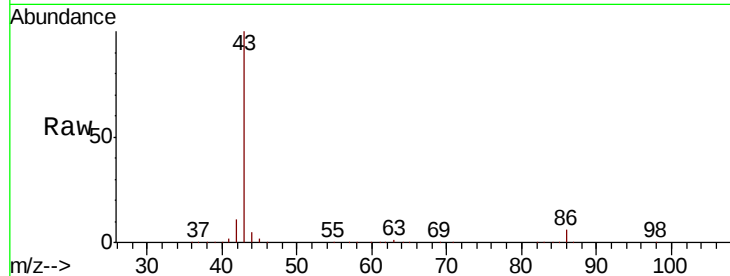
VSTDCCC050

Tgt Ion: 43 Resp: 3753459

Ion Ratio Lower Upper

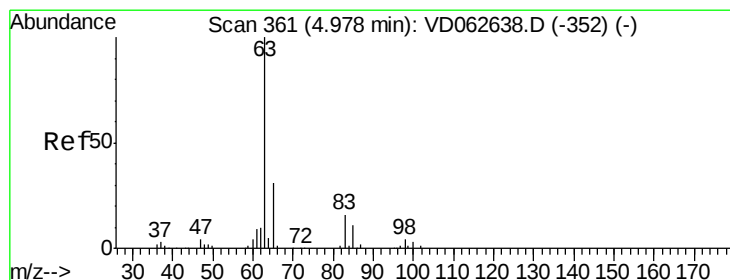
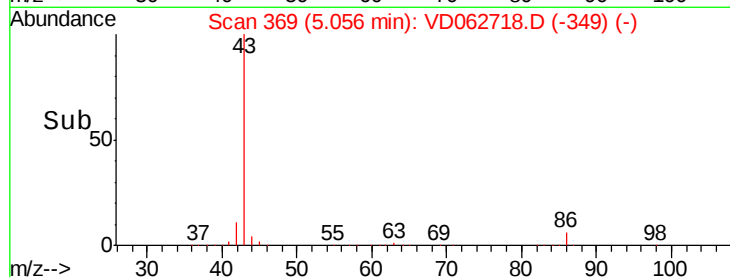
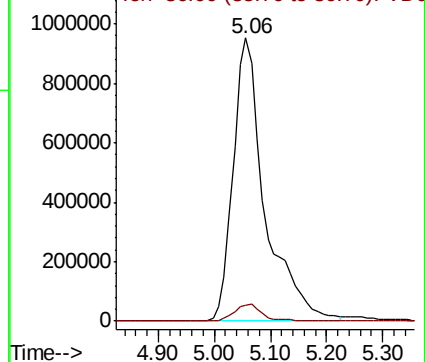
43 100

86 5.8 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: 50.963 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

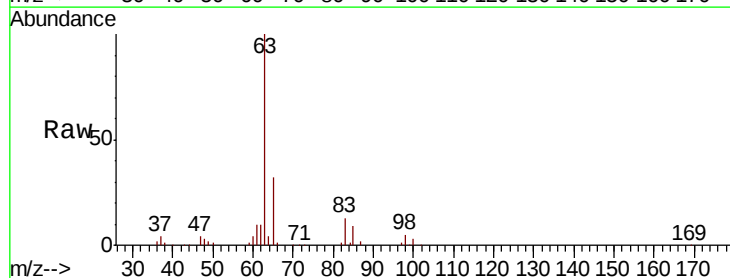
Tgt Ion: 63 Resp: 756210

Ion Ratio Lower Upper

63 100

98 4.9 1.8 5.4

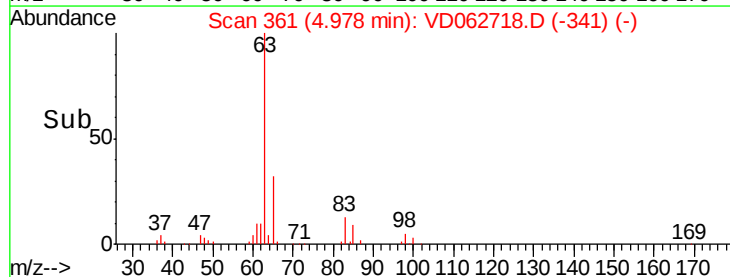
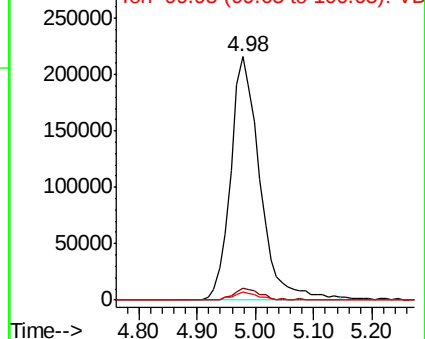
100 3.2 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 251.715 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

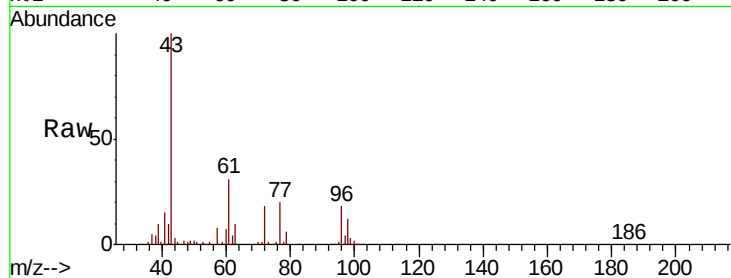
VSTDCCC050

Tgt Ion: 43 Resp: 530387

Ion Ratio Lower Upper

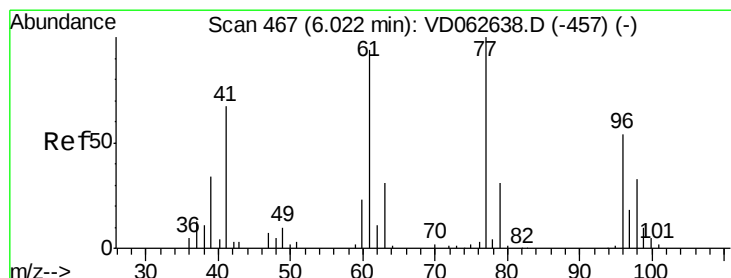
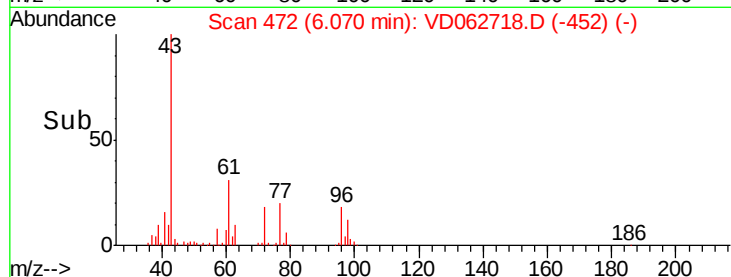
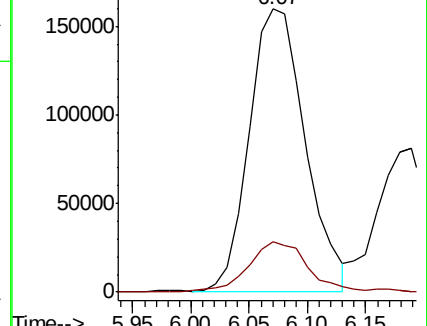
43 100

72 17.7 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.603 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062718.D

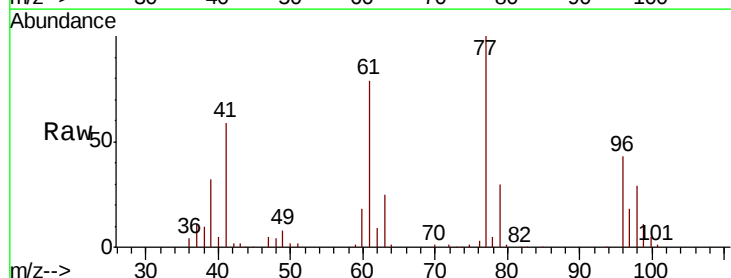
Acq: 17 Jun 2019 11:02

Tgt Ion: 77 Resp: 899600

Ion Ratio Lower Upper

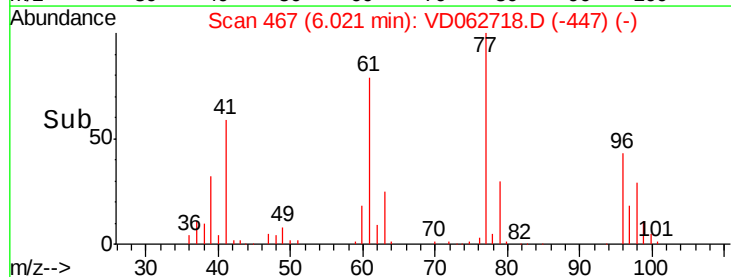
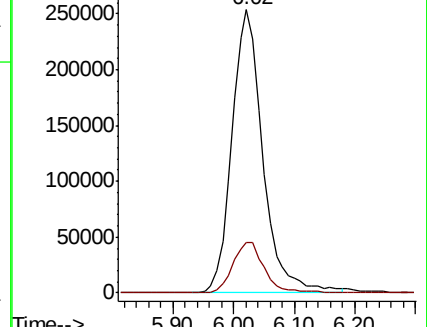
77 100

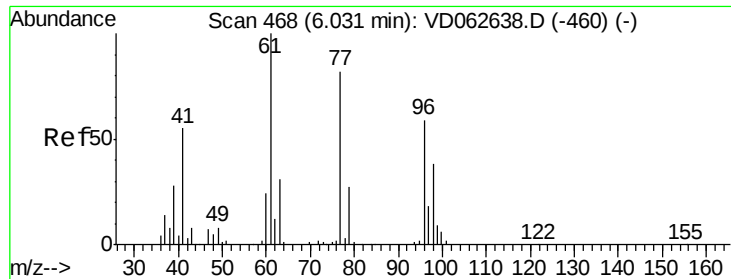
97 18.0 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.402 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

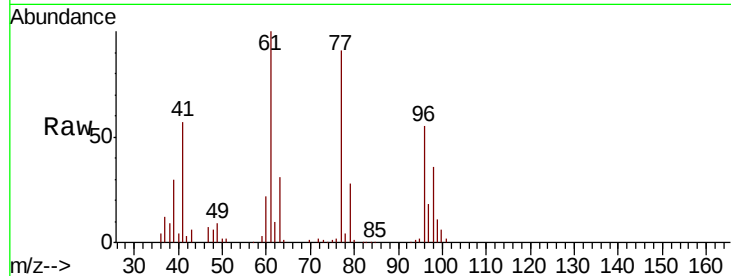
Tgt Ion: 96 Resp: 441599

Ion Ratio Lower Upper

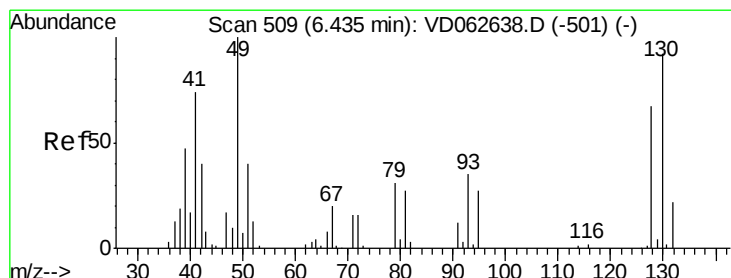
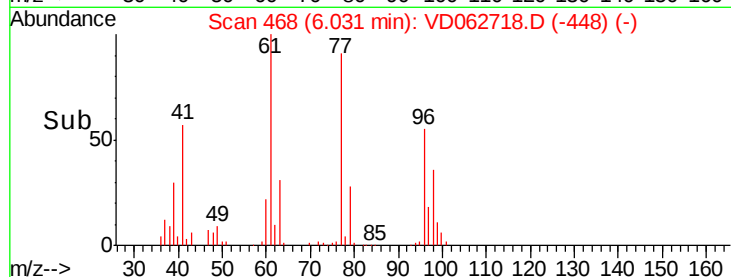
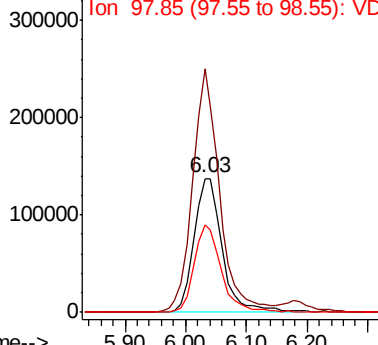
96 100

61 181.9 0.0 340.0

98 65.7 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: 47.926 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

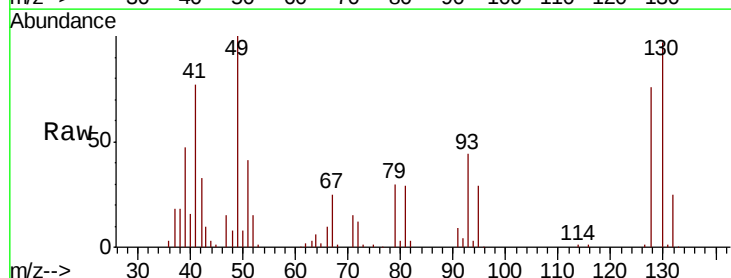
Tgt Ion: 49 Resp: 271848

Ion Ratio Lower Upper

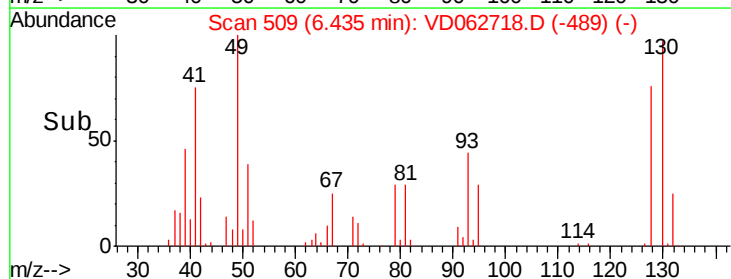
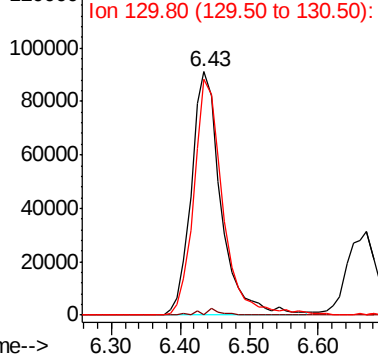
49 100

129 0.0 0.0 8.2

130 96.9 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: 238.209 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

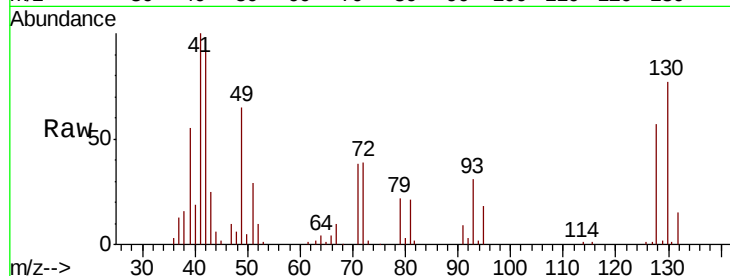
Tgt Ion: 42 Resp: 226034

Ion Ratio Lower Upper

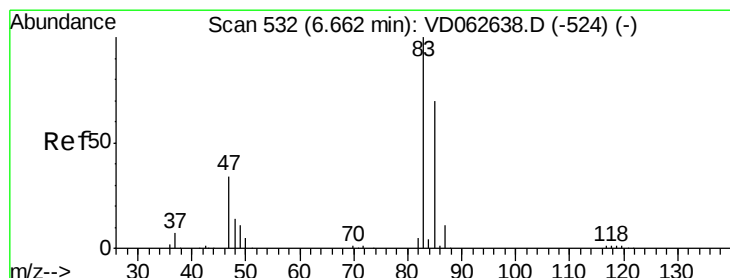
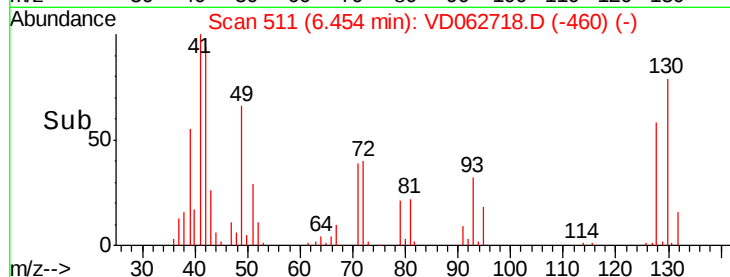
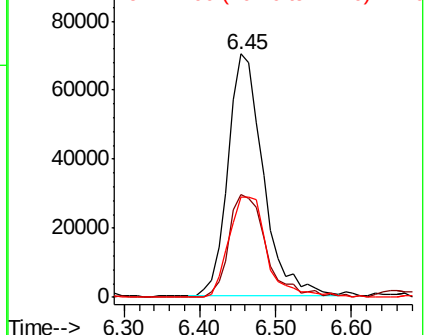
42 100

72 45.3 33.8 50.6

71 45.0 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: 49.464 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD062718.D

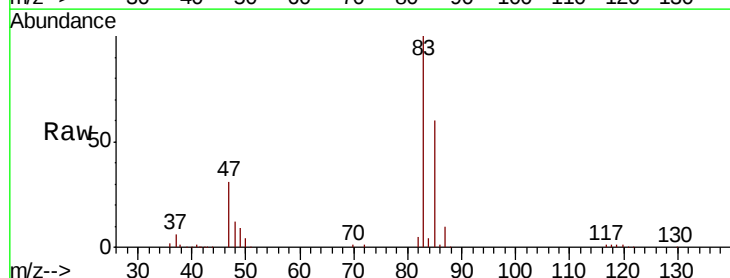
Acq: 17 Jun 2019 11:02

Tgt Ion: 83 Resp: 941695

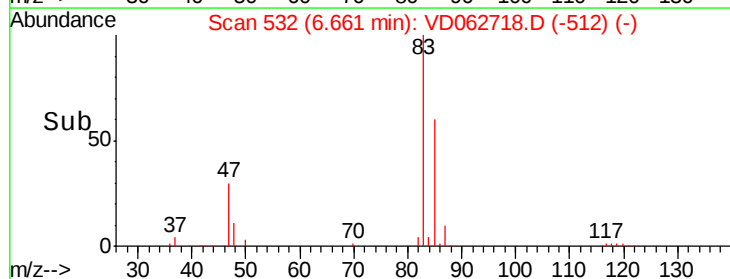
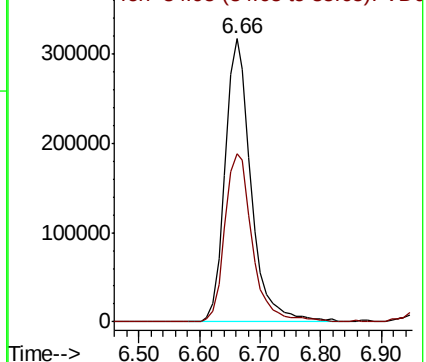
Ion Ratio Lower Upper

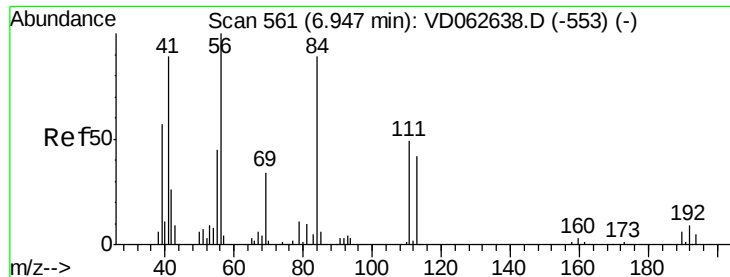
83 100

85 59.6 55.8 83.6



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

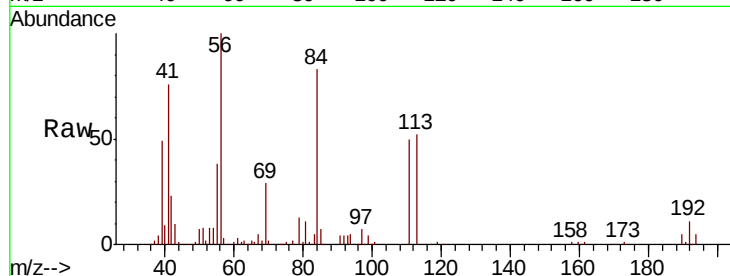




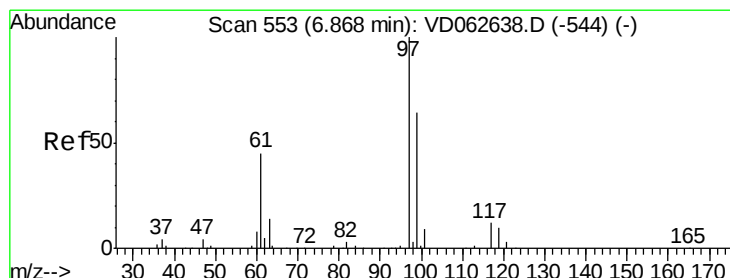
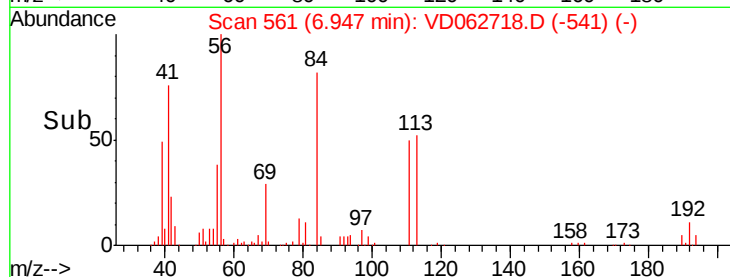
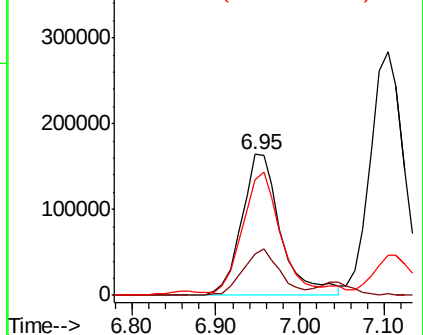
#31
Cyclohexane
Concen: 57.390 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 534196
Ion Ratio Lower Upper
56 100
69 29.2 26.8 40.2
84 82.6 73.9 110.9

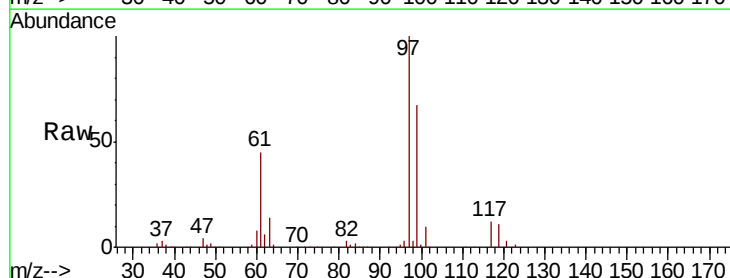


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

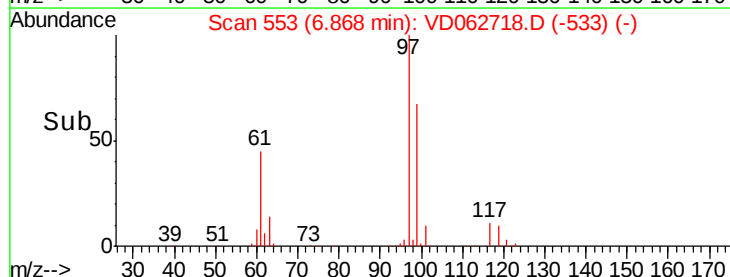
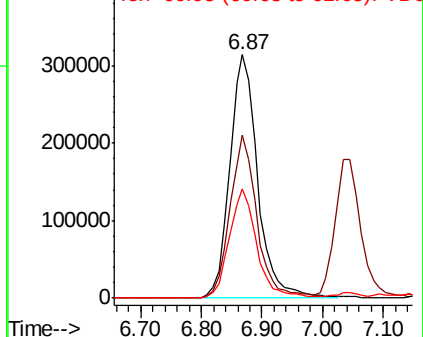


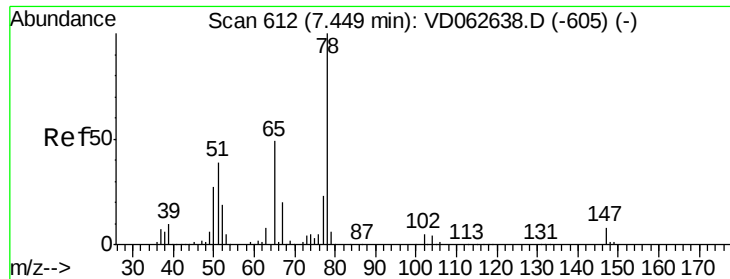
#32
1,1,1-Trichloroethane
Concen: 52.824 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 97 Resp: 1000705
Ion Ratio Lower Upper
97 100
99 67.2 51.4 77.0
61 44.8 35.6 53.4



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





#33

1,2-Dichloroethane-d4

Concen: 47.568 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

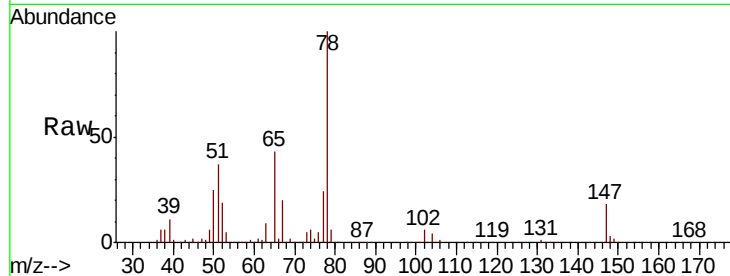
VSTDCCC050

Tgt Ion: 65 Resp: 561060

Ion Ratio Lower Upper

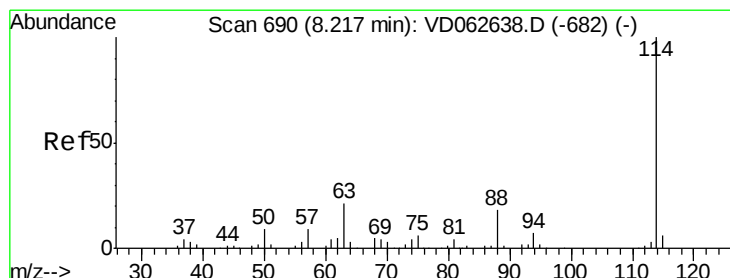
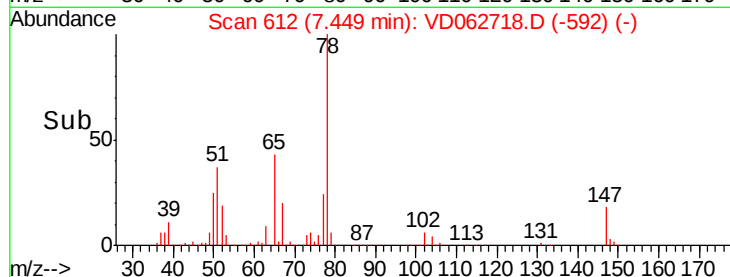
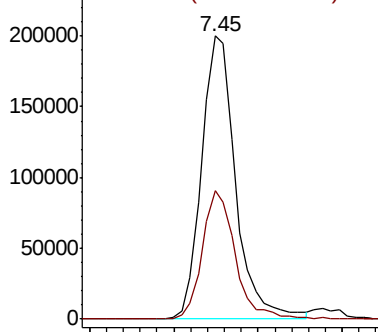
65 100

67 45.5 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: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

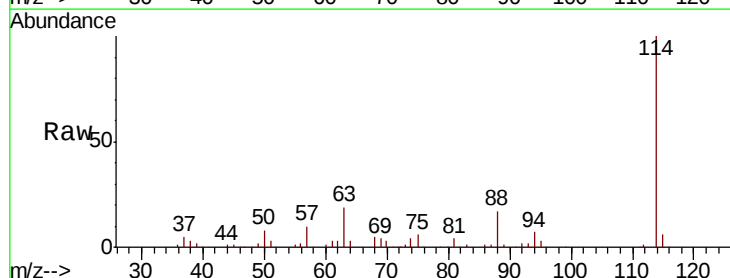
Tgt Ion: 114 Resp: 1092348

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

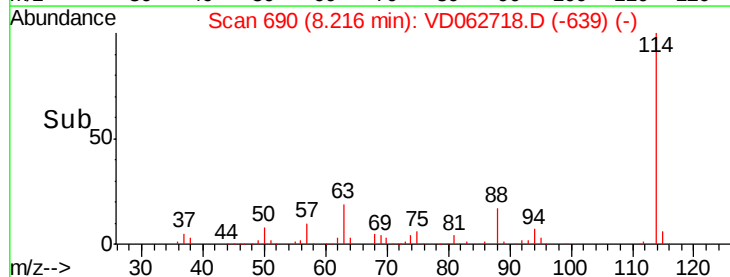
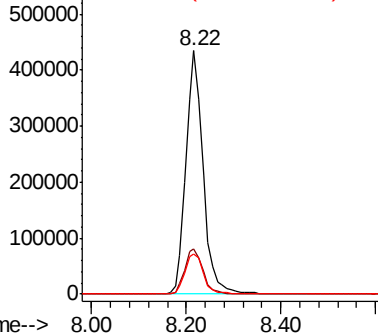
88 16.7 0.0 36.8

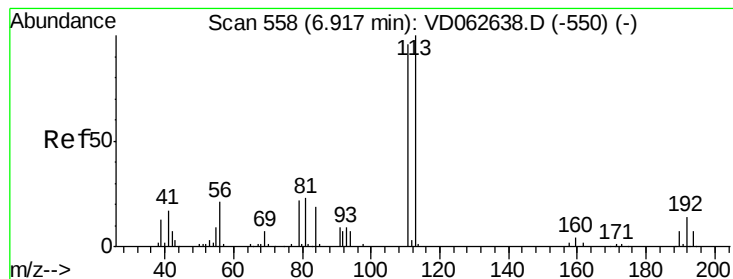


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.437 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

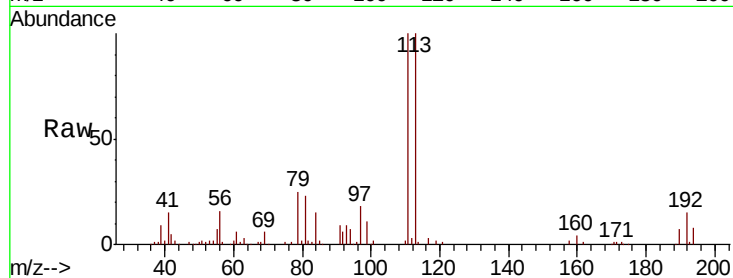
Tgt Ion: 113 Resp: 569528

Ion Ratio Lower Upper

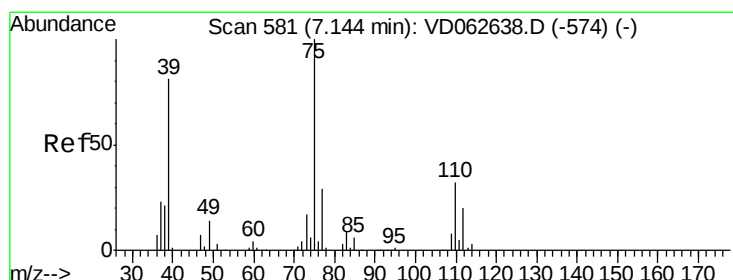
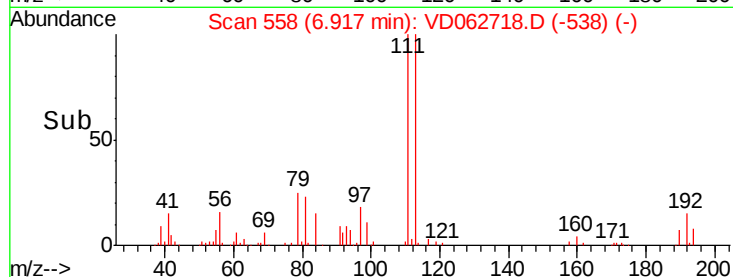
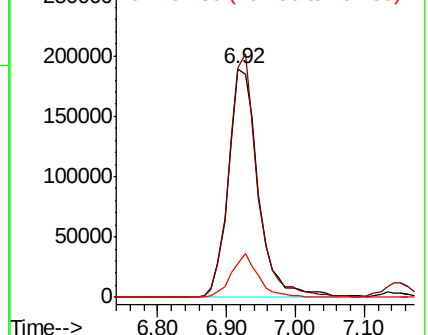
113 100

111 100.3 76.4 114.6

192 14.8 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: 49.661 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

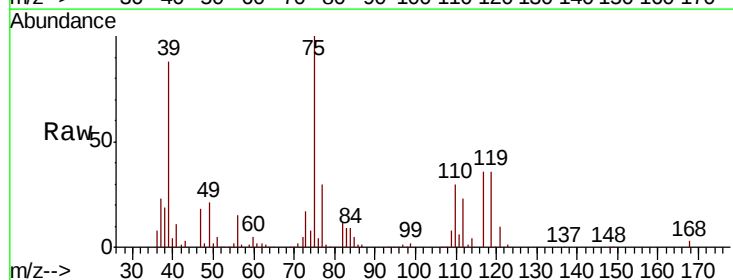
Tgt Ion: 75 Resp: 620858

Ion Ratio Lower Upper

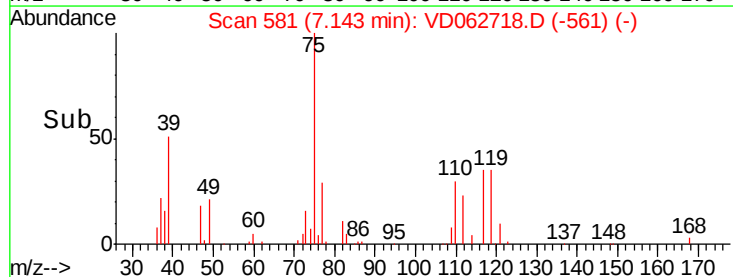
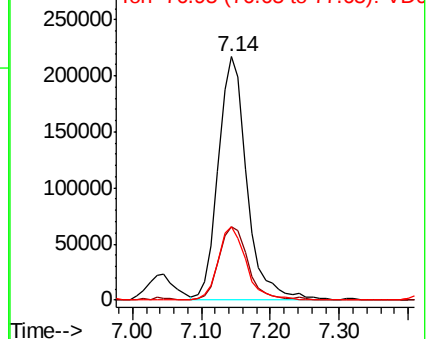
75 100

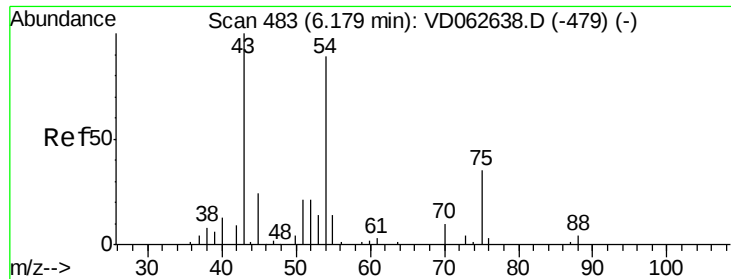
110 30.3 15.9 47.7

77 30.3 23.3 34.9



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

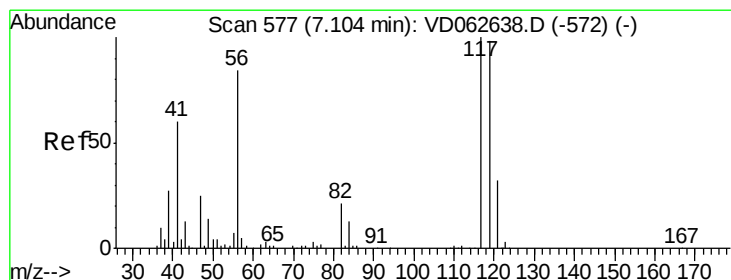
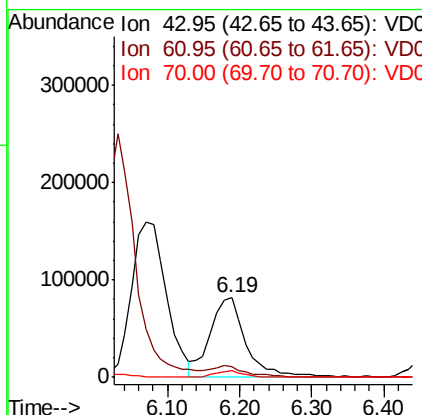
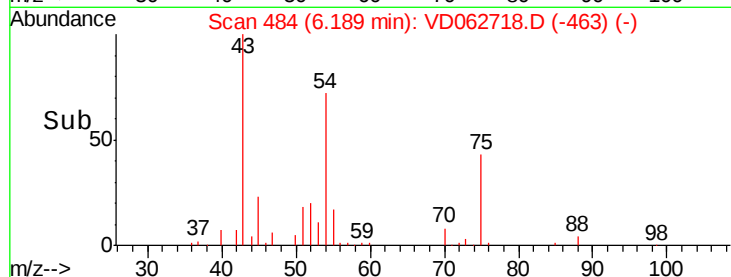
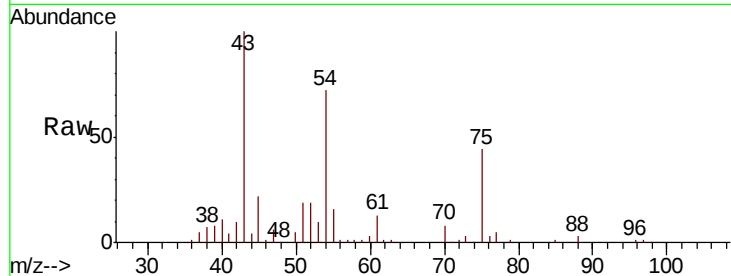




#37
Ethyl Acetate
Concen: 50.622 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

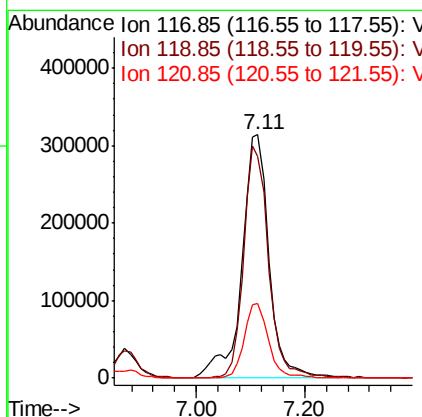
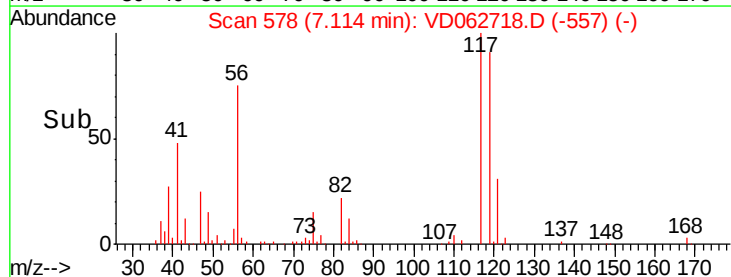
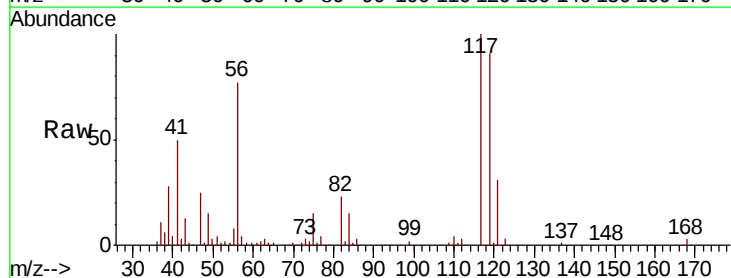
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

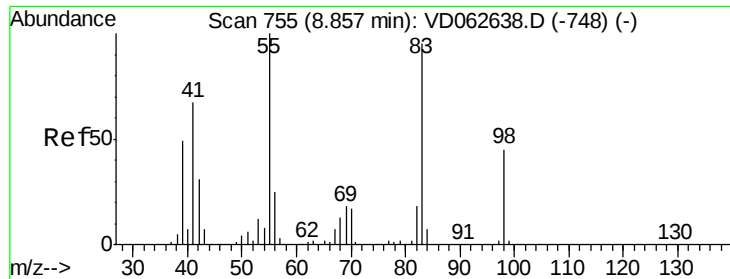
Tgt Ion: 43 Resp: 269928
Ion Ratio Lower Upper
43 100
61 13.3 8.7 13.1#
70 7.9 6.5 9.7



#38
Carbon Tetrachloride
Concen: 55.205 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 117 Resp: 1090878
Ion Ratio Lower Upper
117 100
119 91.1 73.5 110.3
121 30.8 24.2 36.4

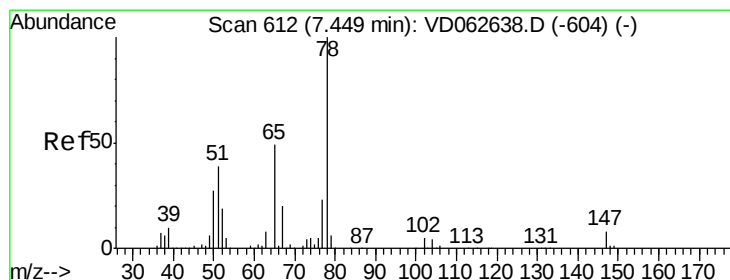
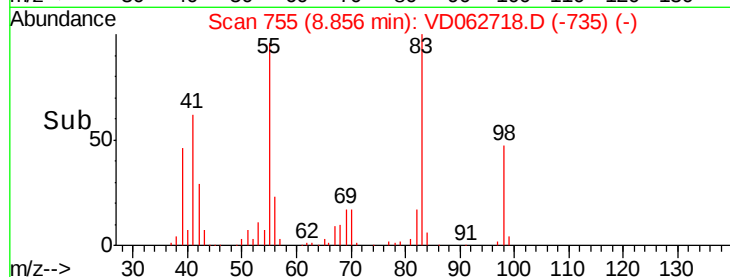
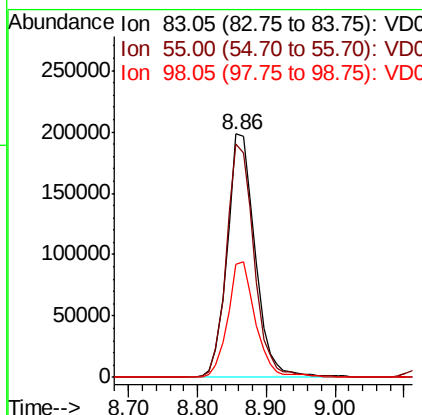
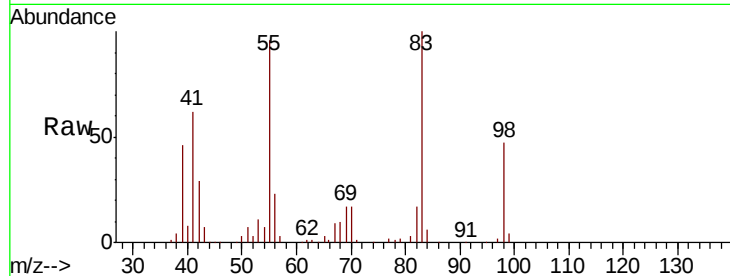




#39
Methylcyclohexane
Concen: 55.236 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

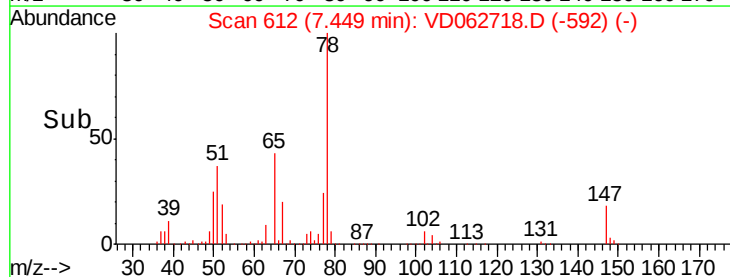
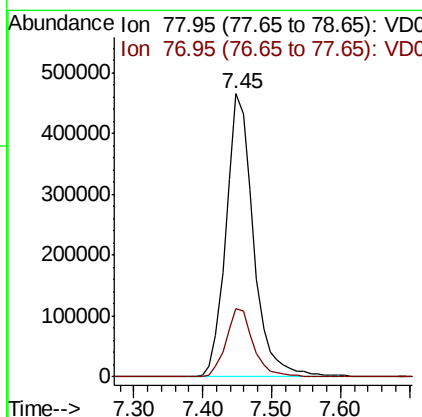
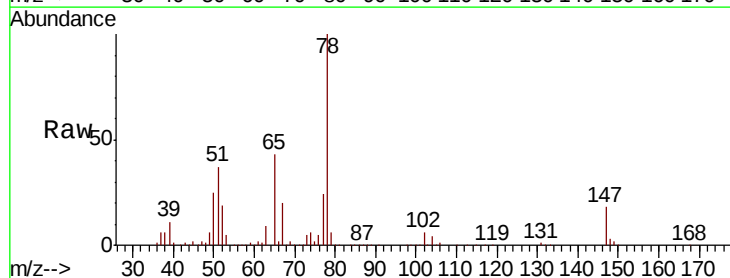
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

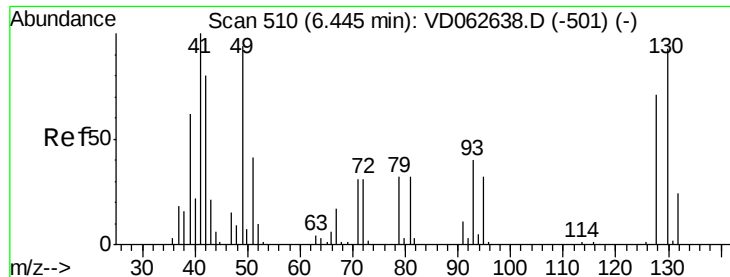
Tgt Ion: 83 Resp: 558033
Ion Ratio Lower Upper
83 100
55 95.6 84.6 127.0
98 46.6 38.2 57.4



#40
Benzene
Concen: 52.357 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 78 Resp: 1278288
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0

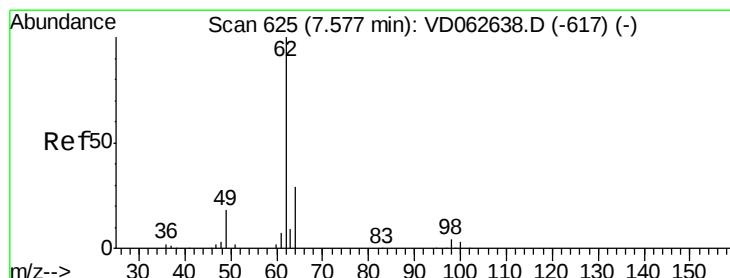
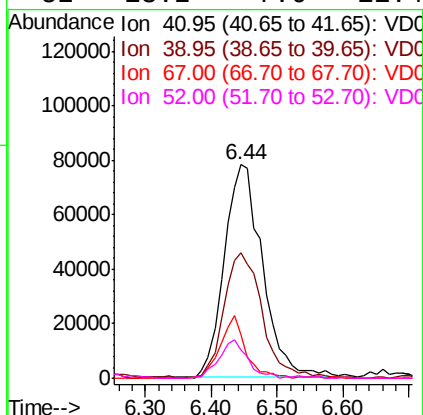
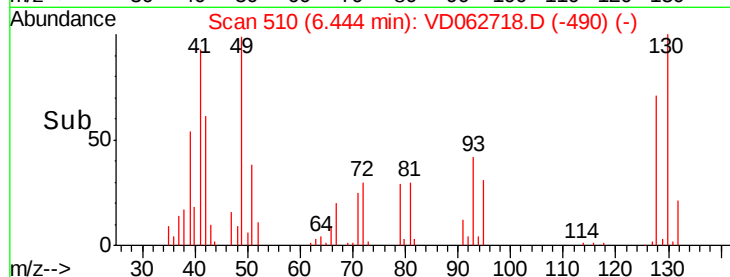
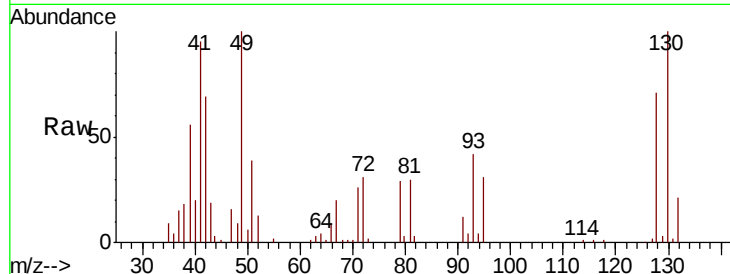




#41
Methacrylonitrile
Concen: 48.284 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

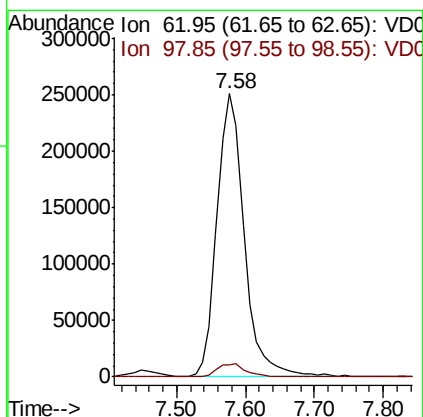
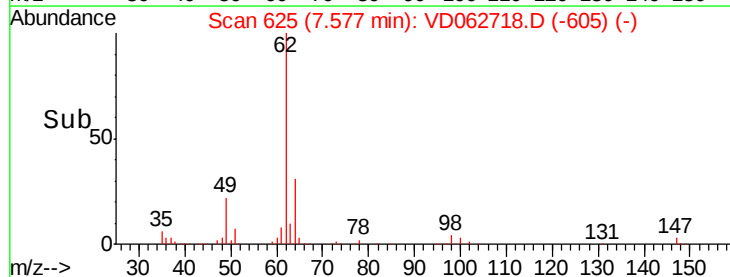
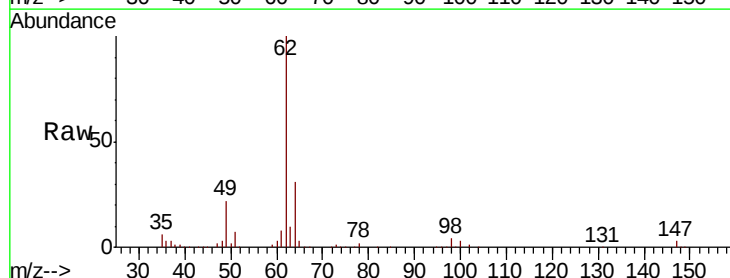
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

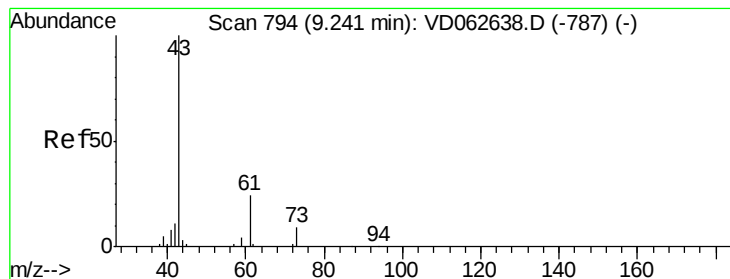
Tgt Ion: 41 Resp: 315990
Ion Ratio Lower Upper
41 100
39 58.5 49.2 73.8
67 20.7 13.9 20.9
52 13.2 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 47.567 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 62 Resp: 692201
Ion Ratio Lower Upper
62 100
98 4.3 0.0 7.4





#43

Isopropyl Acetate

Concen: 52.539 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

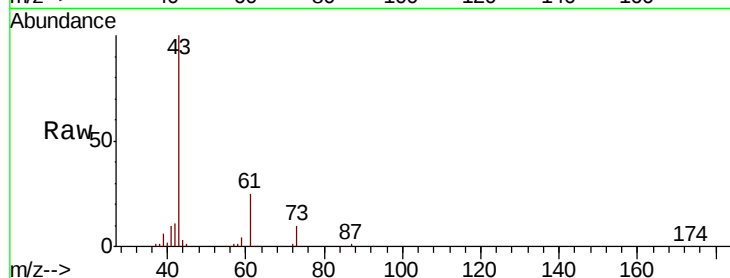
Tgt Ion: 43 Resp: 346573

Ion Ratio Lower Upper

43 100

61 24.8 19.0 28.6

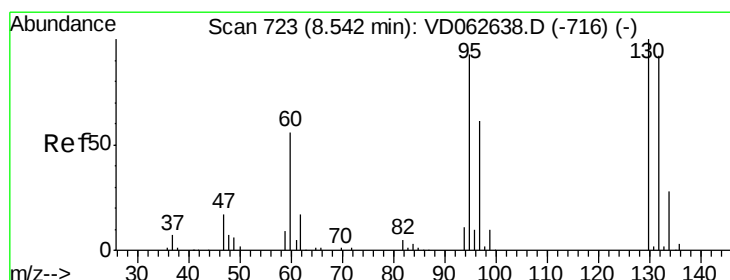
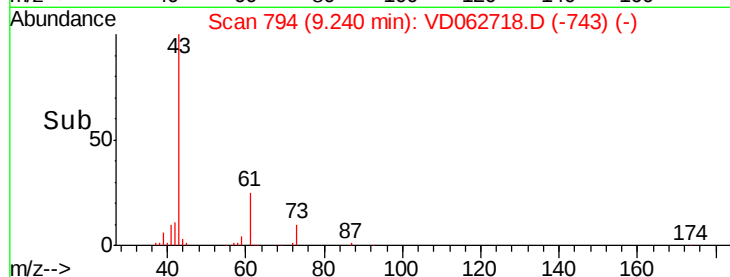
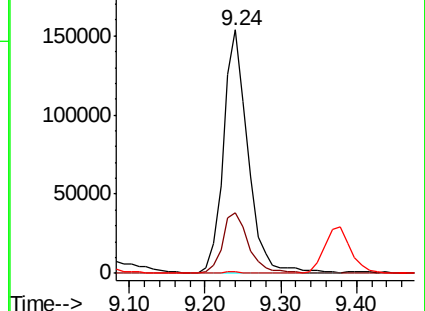
87 0.5 0.3 0.5#



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: 51.080 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062718.D

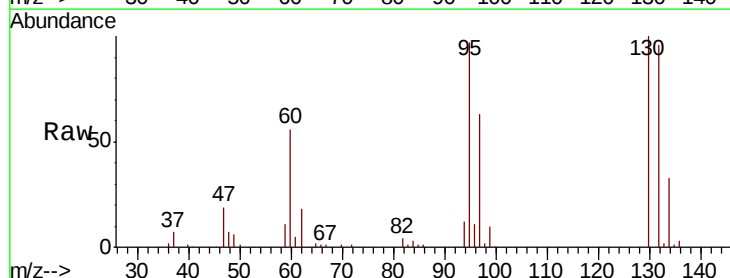
Acq: 17 Jun 2019 11:02

Tgt Ion:130 Resp: 506296

Ion Ratio Lower Upper

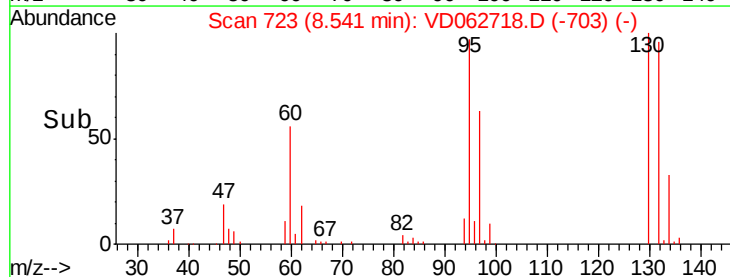
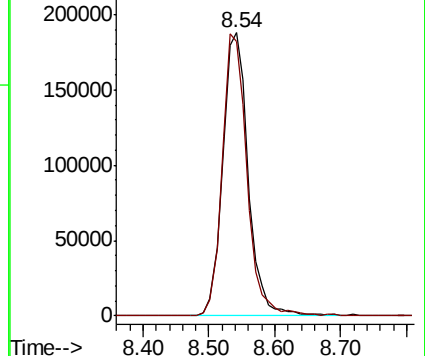
130 100

95 97.1 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.963 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

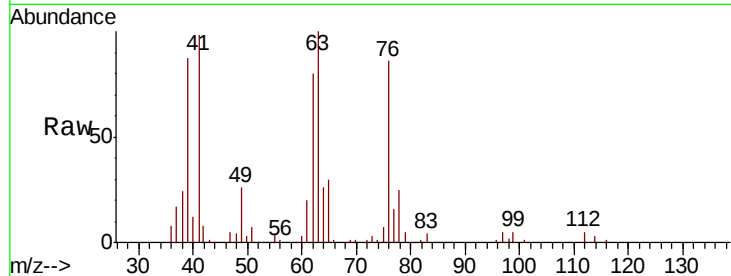
VSTDCCC050

Tgt Ion: 63 Resp: 304735

Ion Ratio Lower Upper

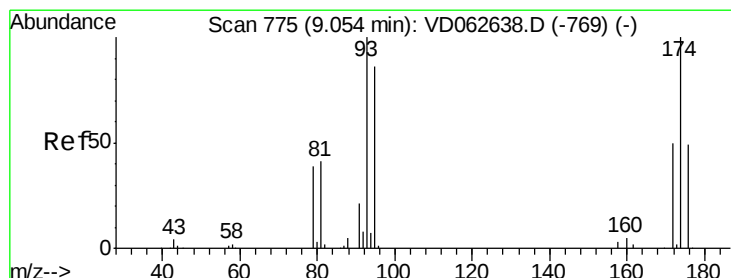
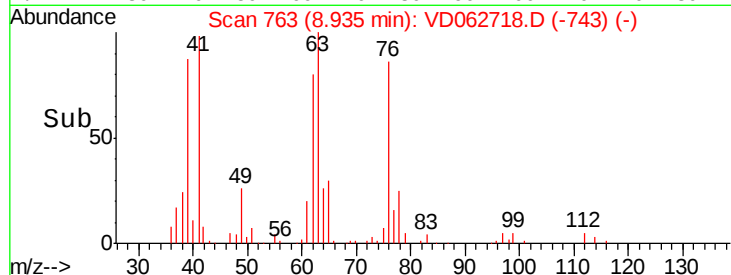
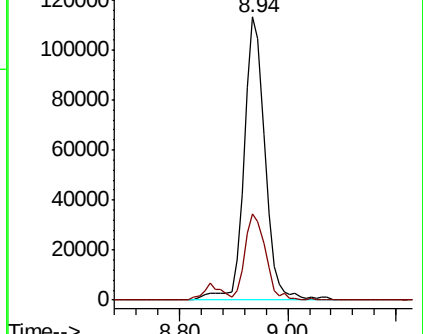
63 100

65 30.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.234 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

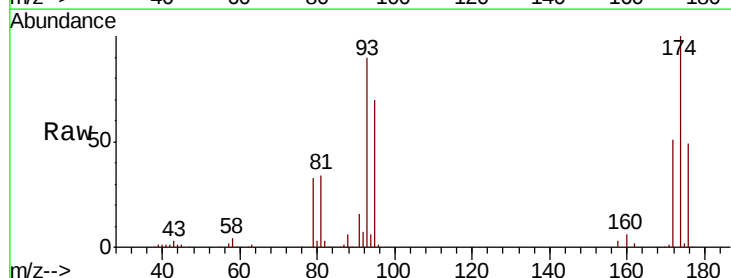
Tgt Ion: 93 Resp: 266703

Ion Ratio Lower Upper

93 100

95 77.1 68.7 103.1

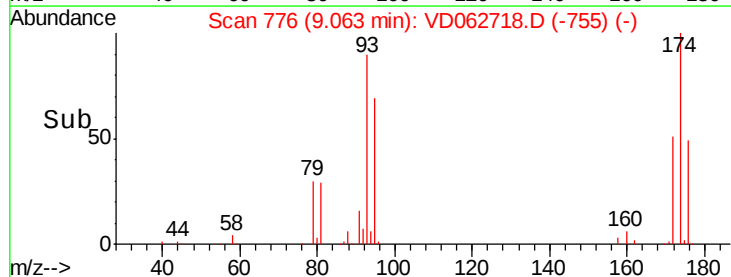
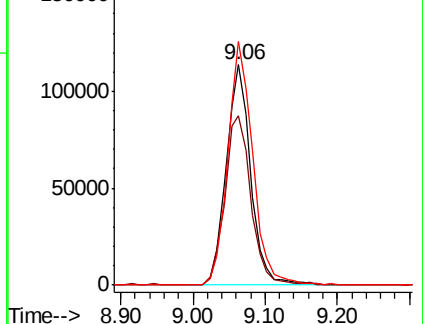
174 110.7 79.8 119.8

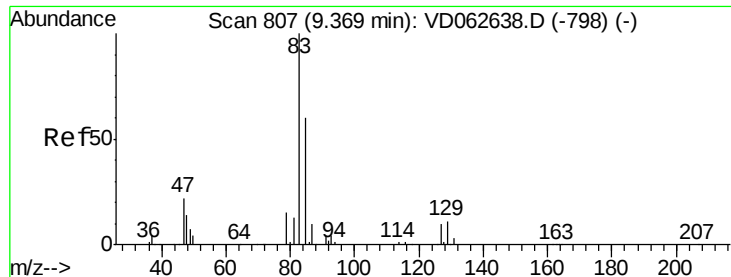


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.414 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

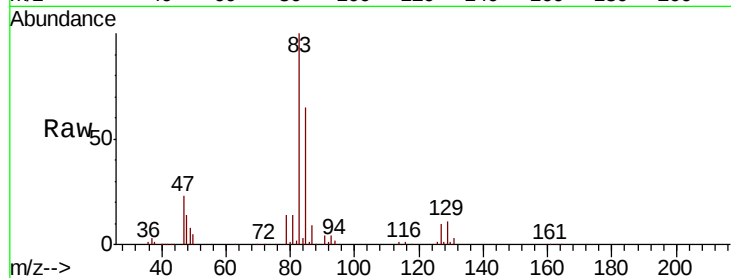
Tgt Ion: 83 Resp: 728047

Ion Ratio Lower Upper

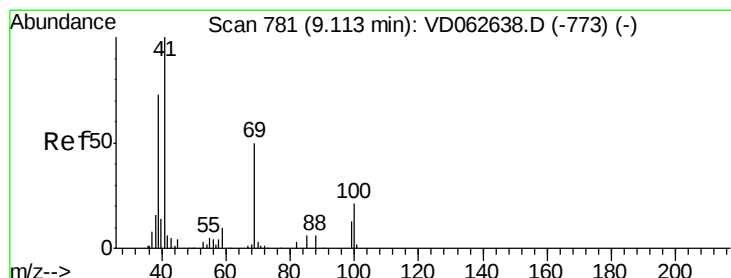
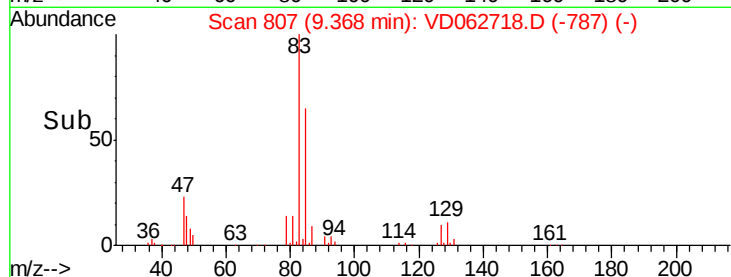
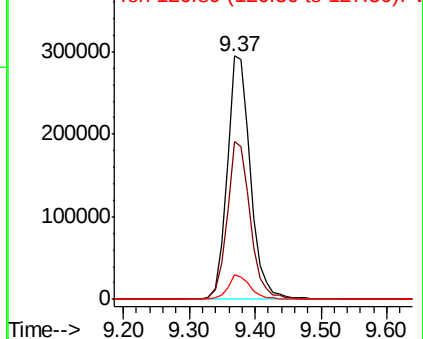
83 100

85 64.7 47.9 71.9

127 10.4 8.2 12.4



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



#48

Methyl methacrylate

Concen: 49.848 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

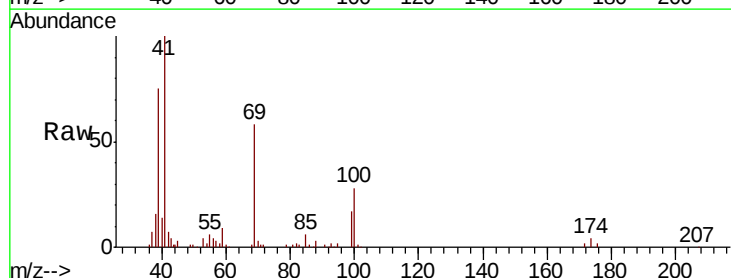
Tgt Ion: 41 Resp: 237557

Ion Ratio Lower Upper

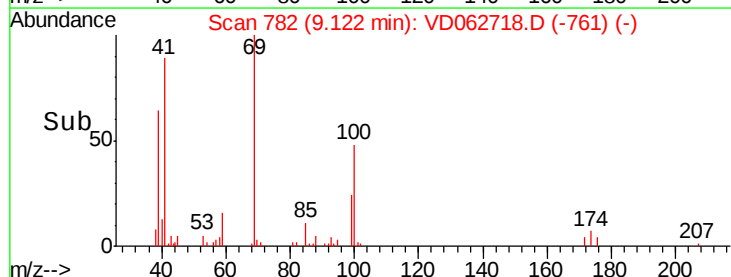
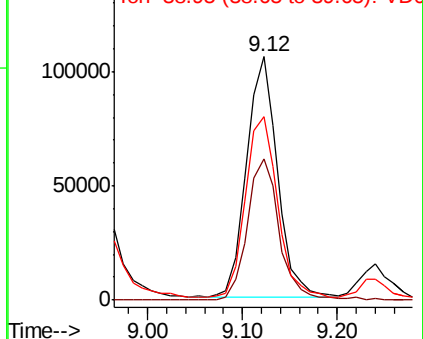
41 100

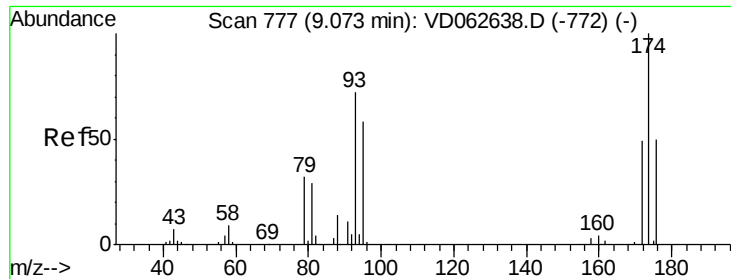
69 58.3 39.8 59.6

39 75.2 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

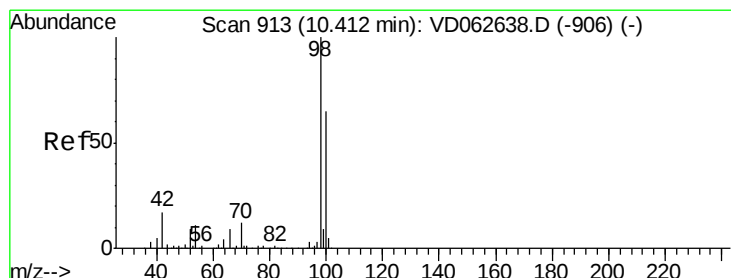
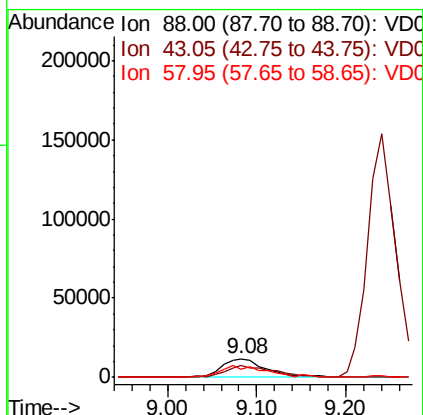
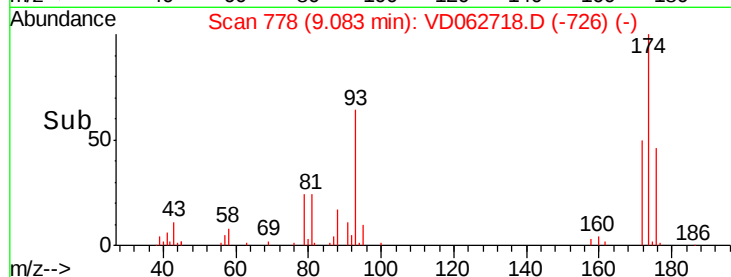
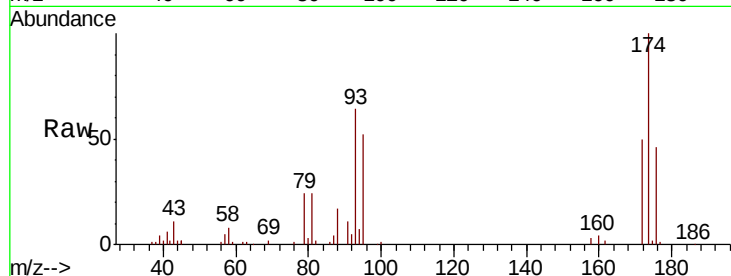




#49
1,4-Dioxane
Concen: 949.278 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

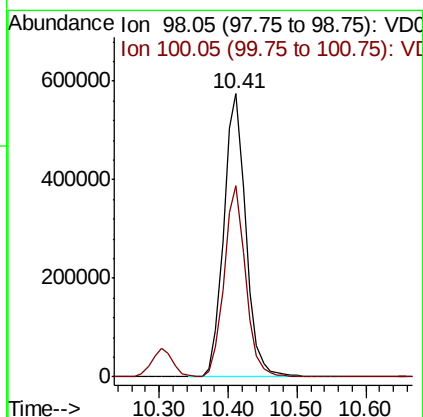
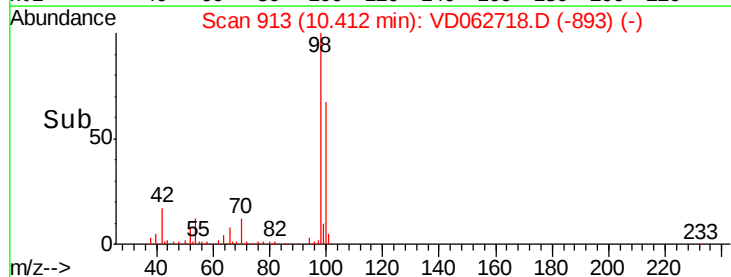
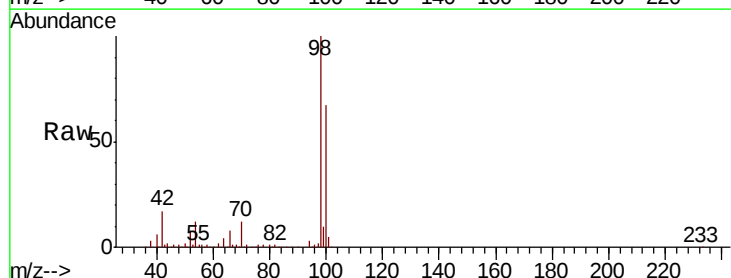
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

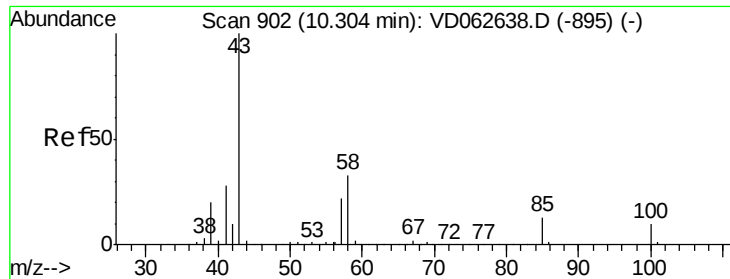
Tgt Ion: 88 Resp: 40347
Ion Ratio Lower Upper
88 100
43 63.9 40.7 61.1#
58 45.5 54.2 81.4#



#50
Toluene-d8
Concen: 52.359 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 98 Resp: 1268897
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1

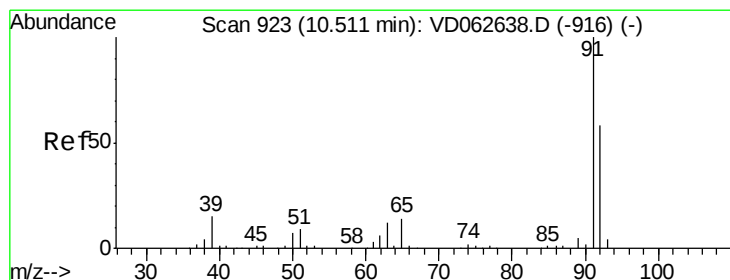
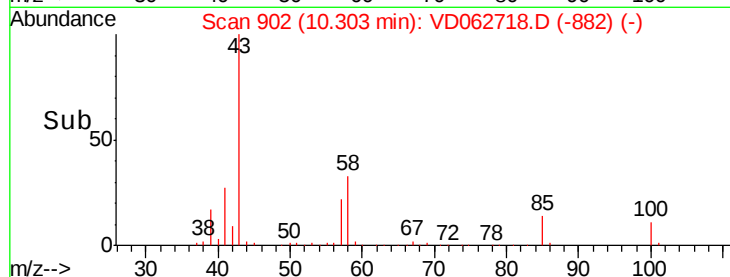
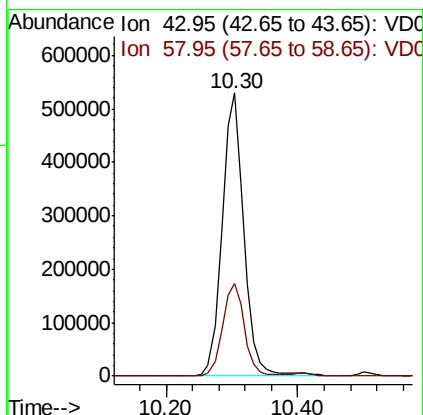
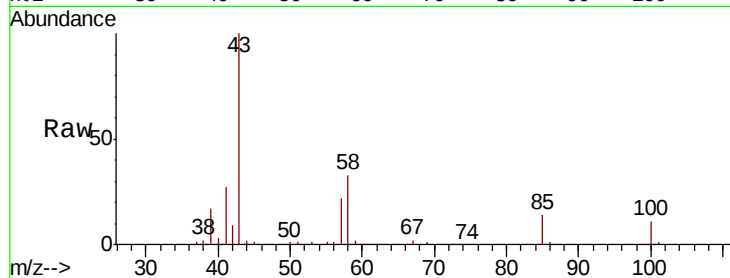




#51
 4-Methyl-2-Pentanone
 Concen: 263.887 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

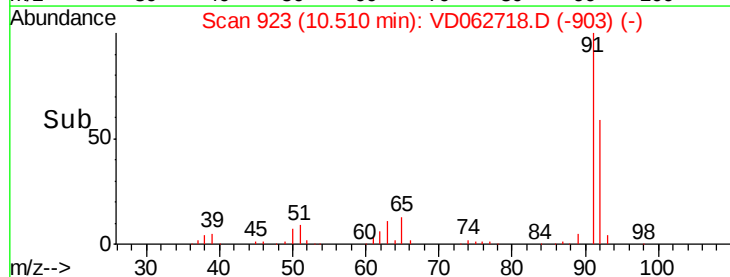
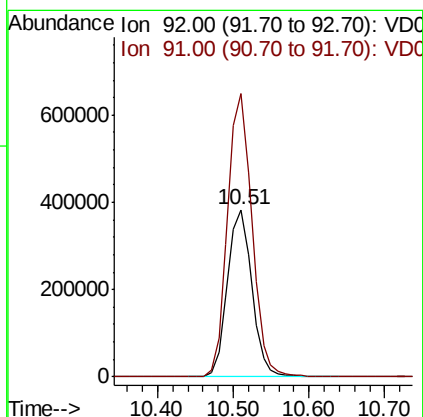
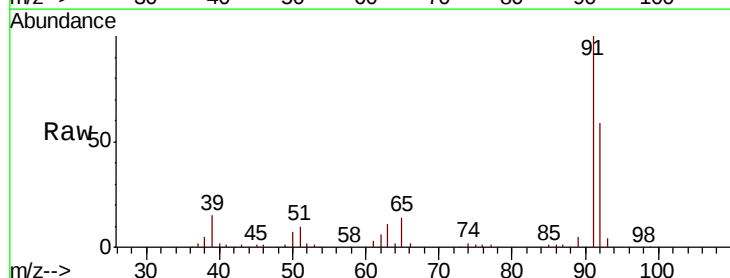
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1218030
 Ion Ratio Lower Upper
 43 100
 58 32.6 26.1 39.1



#52
 Toluene
 Concen: 52.293 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 92 Resp: 858196
 Ion Ratio Lower Upper
 92 100
 91 169.0 137.0 205.6

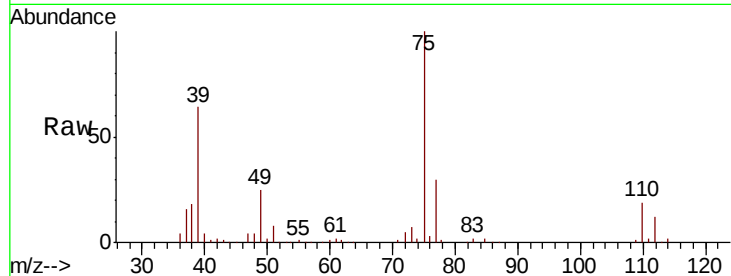




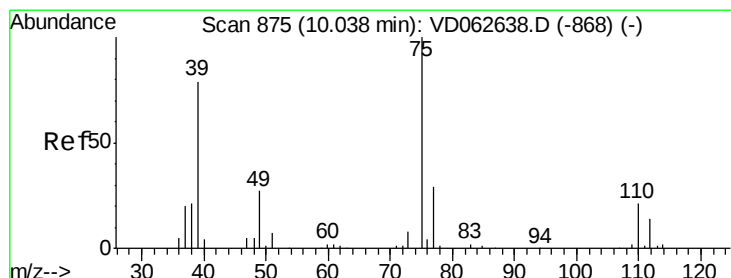
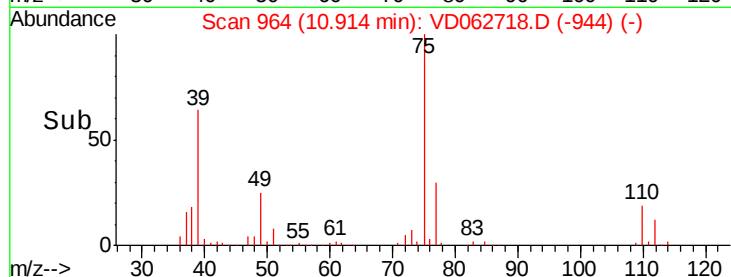
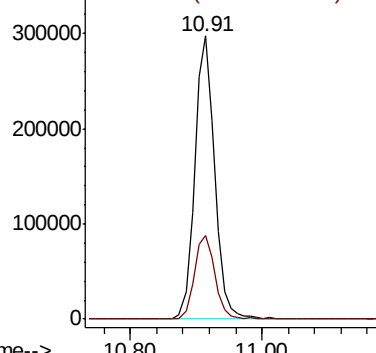
#53
 t-1,3-Dichloropropene
 Concen: 53.848 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 625175
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.1 36.1

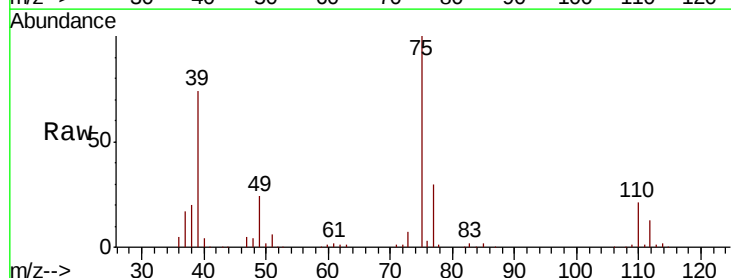


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

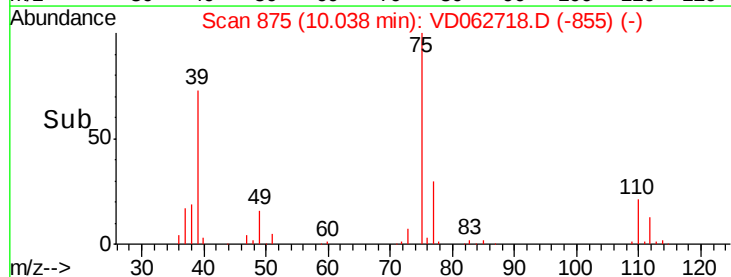
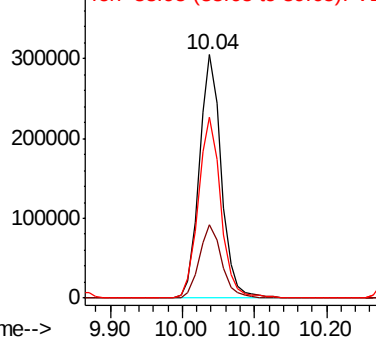


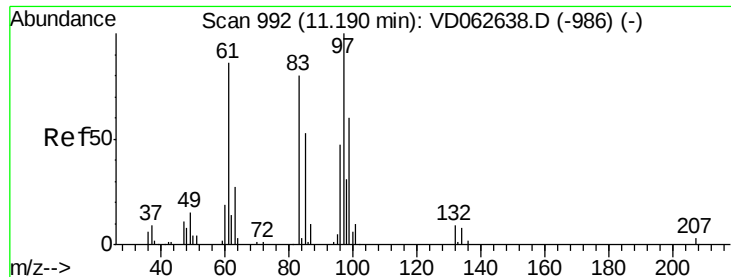
#54
 cis-1,3-Dichloropropene
 Concen: 54.003 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 75 Resp: 648004
 Ion Ratio Lower Upper
 75 100
 77 30.0 23.1 34.7
 39 74.2 63.4 95.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC

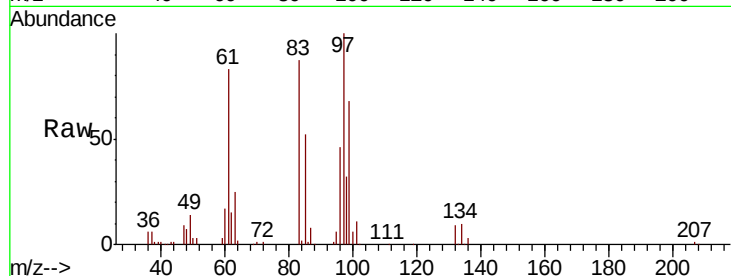




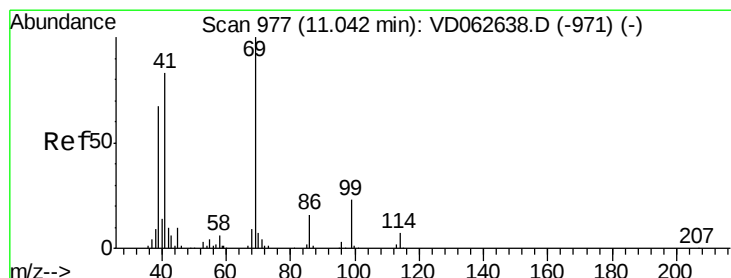
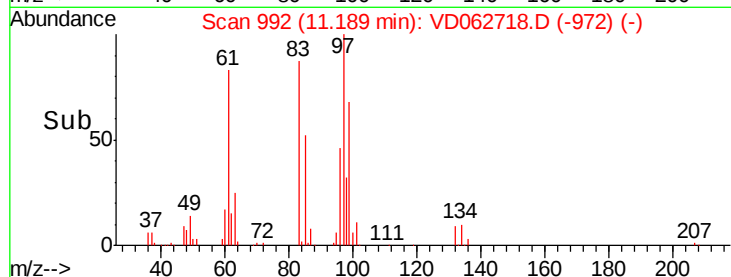
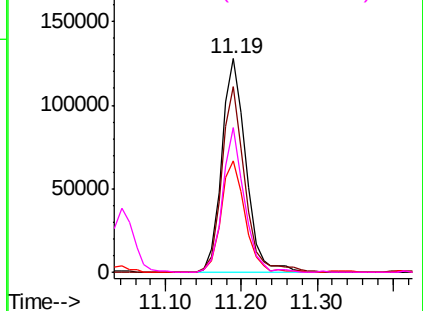
#55
 1,1,2-Trichloroethane
 Concen: 49.937 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	281054
Ion	Ratio	Lower	Upper
97	100		
83	86.9	63.8	95.8
85	52.2	42.3	63.5
99	68.0	48.0	72.0

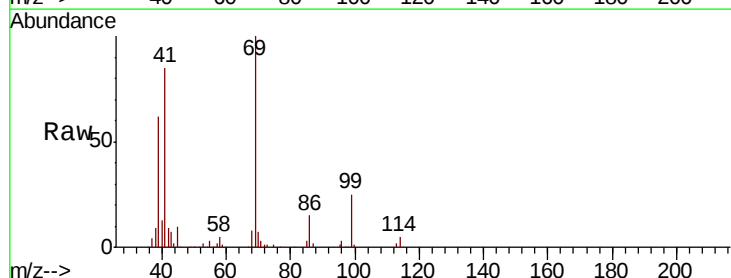


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

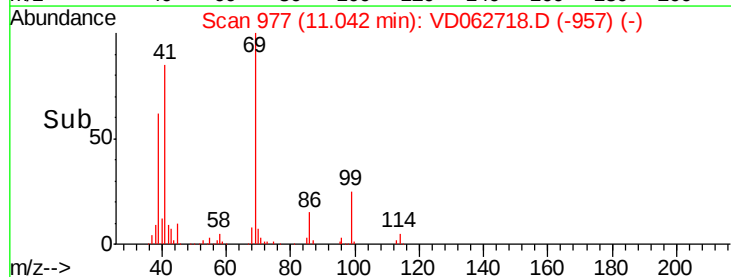
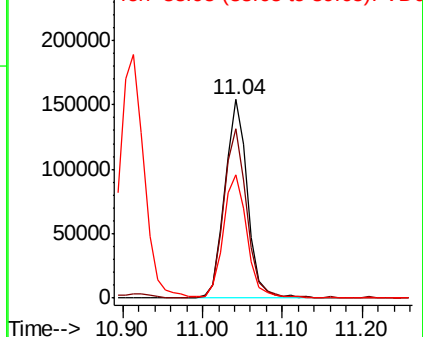


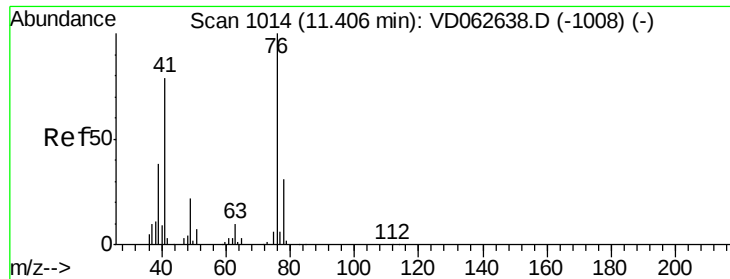
#56
 Ethyl methacrylate
 Concen: 45.944 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:	69	Resp:	309205
Ion	Ratio	Lower	Upper
69	100		
41	85.1	66.2	99.4
39	61.9	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

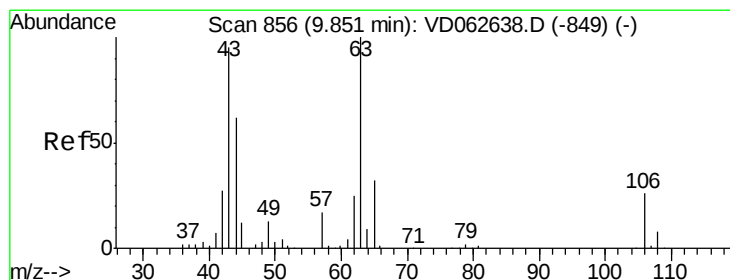
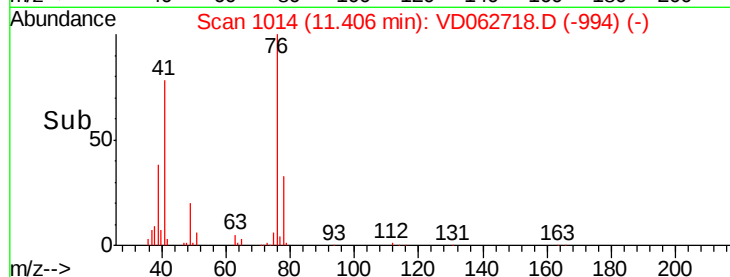
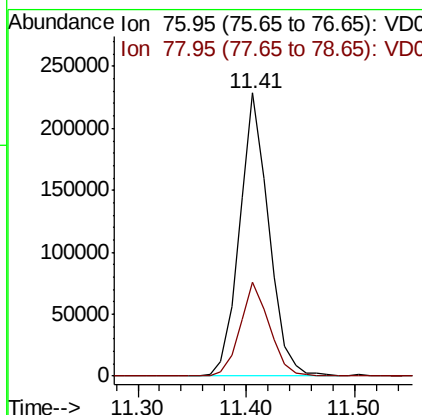
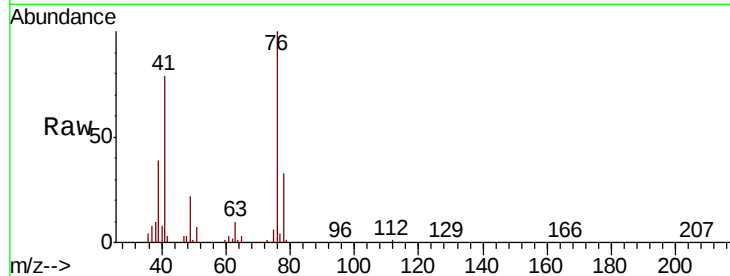




#57
 1,3-Dichloropropane
 Concen: 48.747 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

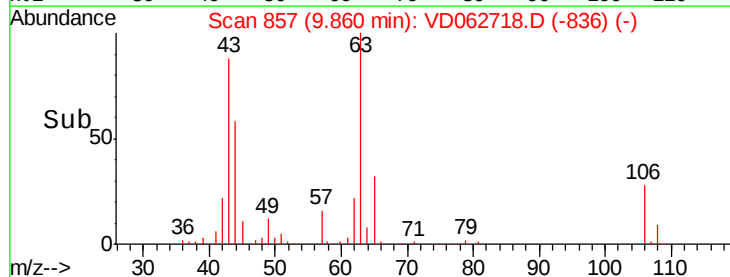
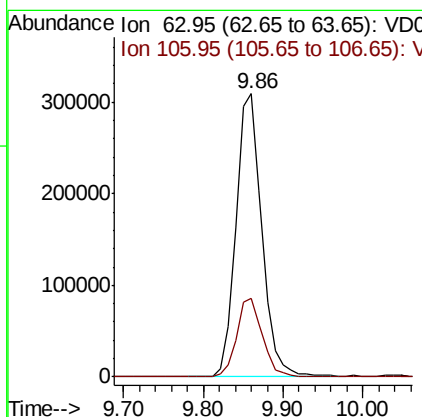
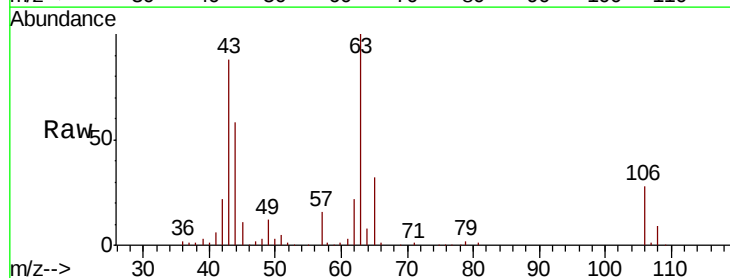
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

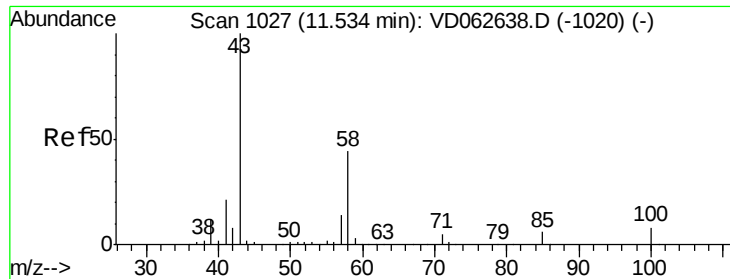
Tgt Ion: 76 Resp: 425229
 Ion Ratio Lower Upper
 76 100
 78 33.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.355 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 63 Resp: 695938
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.5 30.7

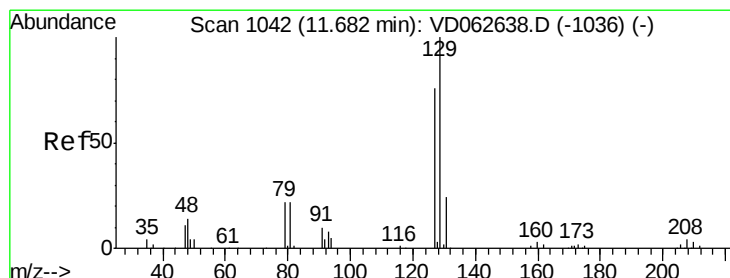
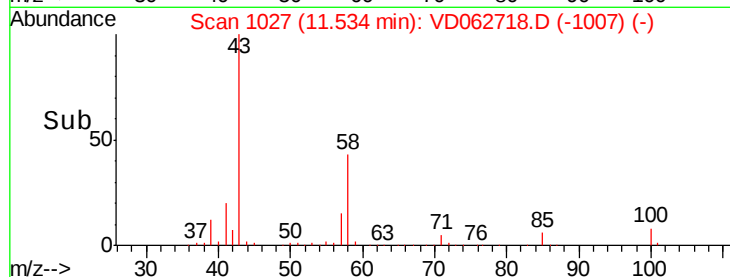
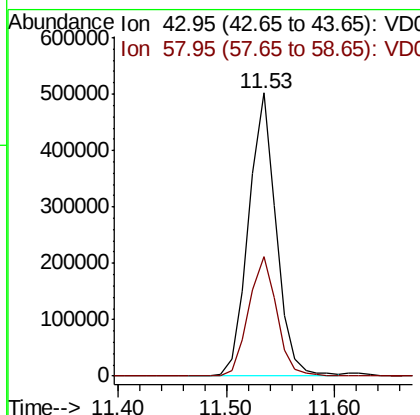
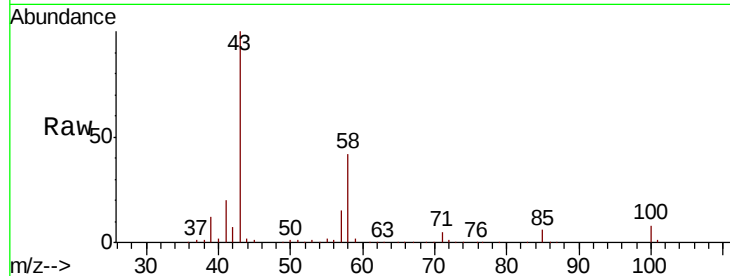




#59
2-Hexanone
Concen: 260.411 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

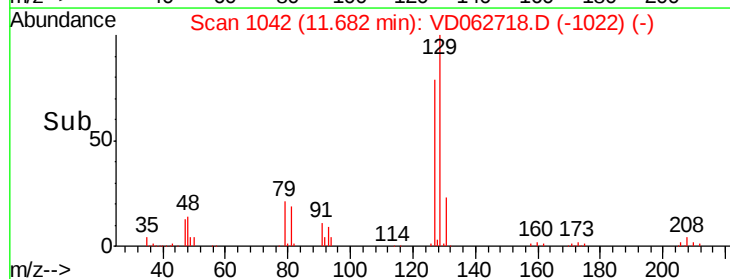
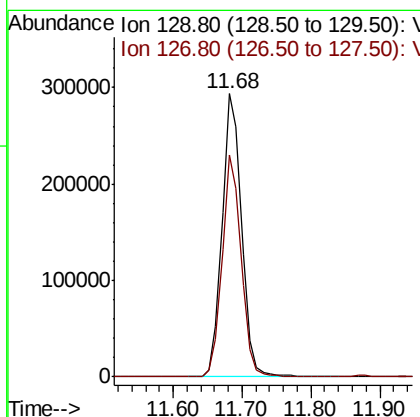
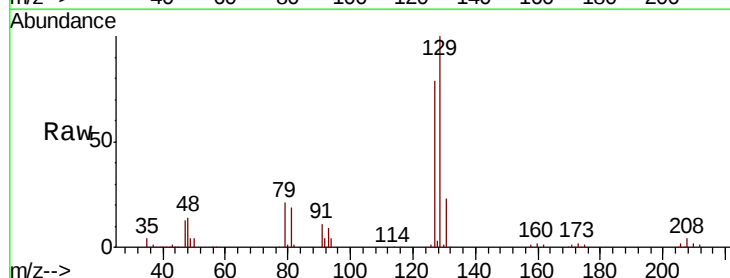
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

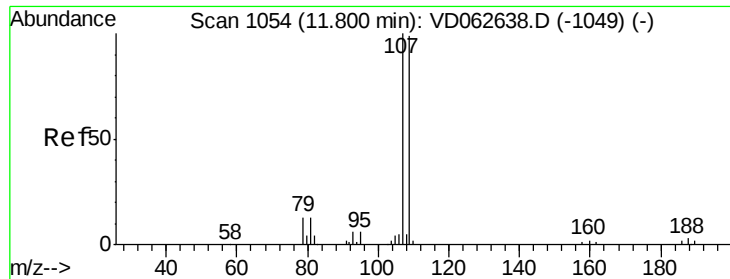
Tgt Ion: 43 Resp: 894112
Ion Ratio Lower Upper
43 100
58 42.4 21.8 65.4



#60
Dibromochloromethane
Concen: 51.678 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 129 Resp: 574148
Ion Ratio Lower Upper
129 100
127 78.6 38.0 114.1

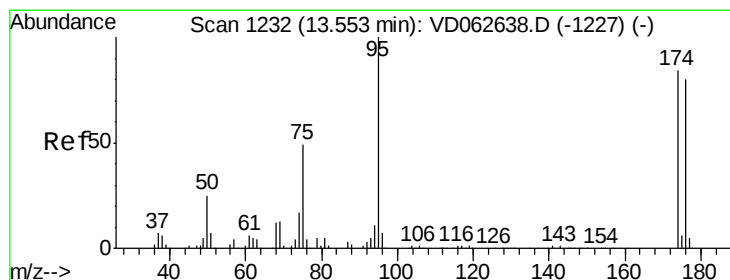
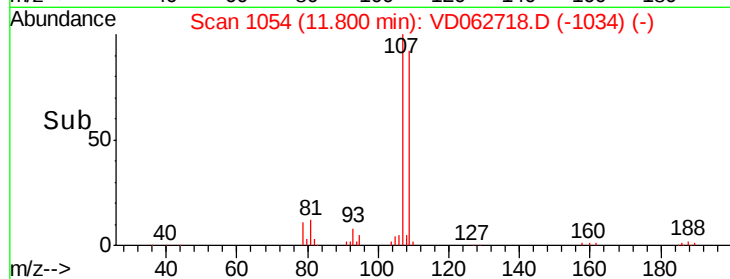
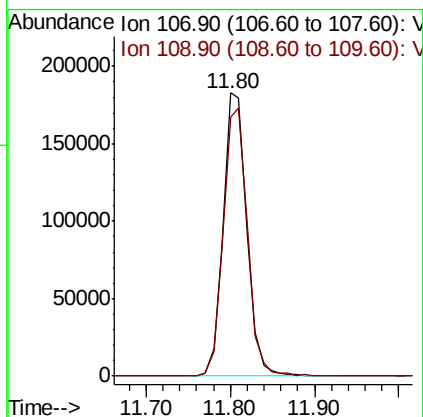
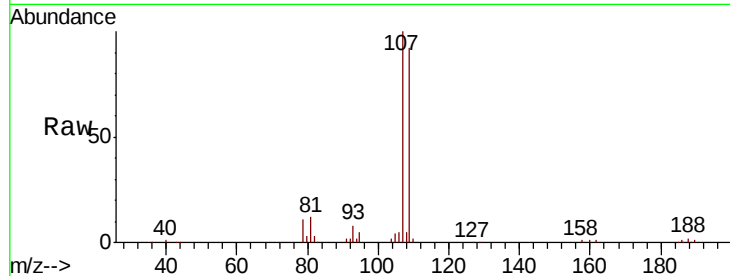




#61
 1,2-Dibromoethane
 Concen: 52.731 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

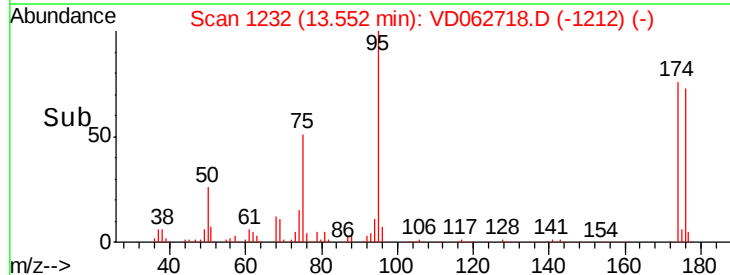
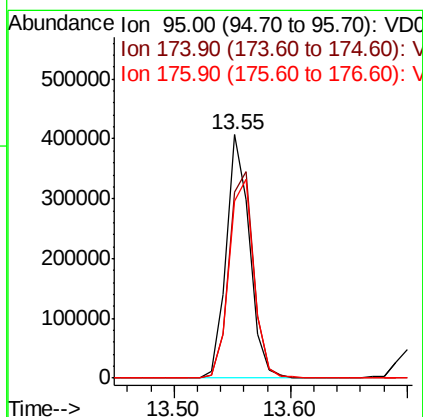
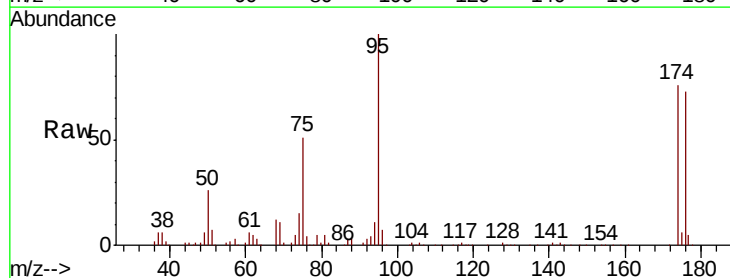
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

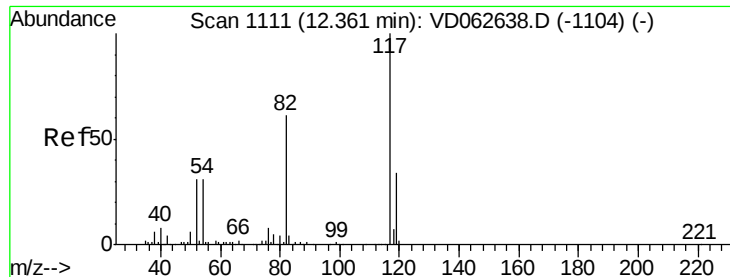
Tgt Ion: 107 Resp: 355192
 Ion Ratio Lower Upper
 107 100
 109 91.6 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 49.747 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 95 Resp: 562450
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 167.0
 176 72.9 0.0 159.2

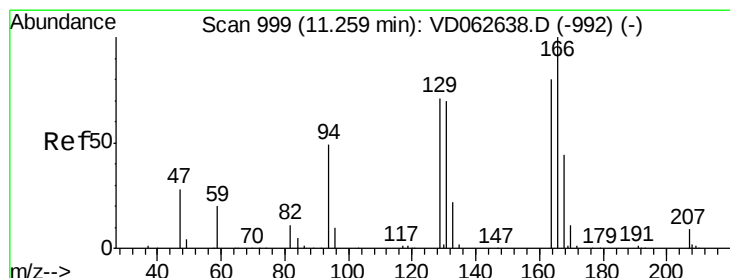
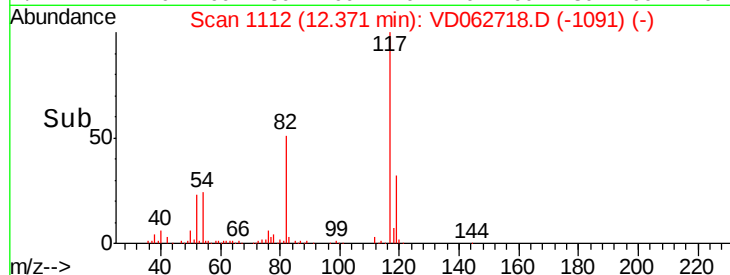
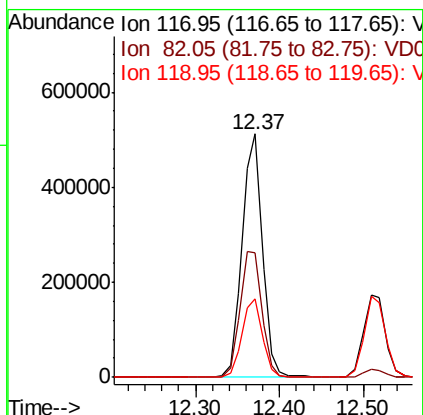
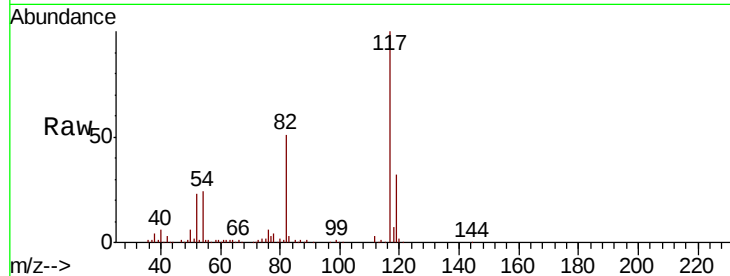




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

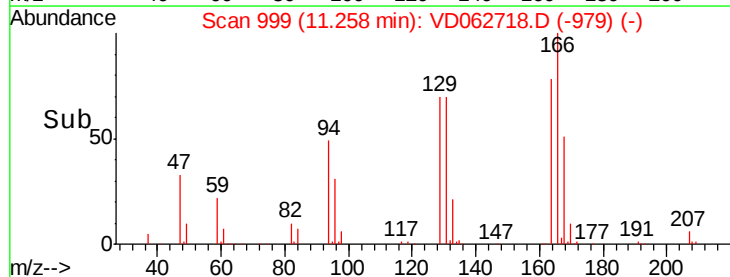
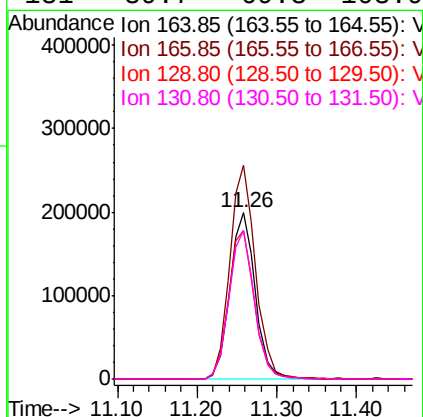
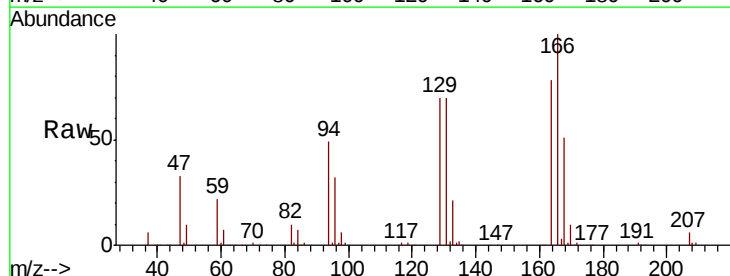
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

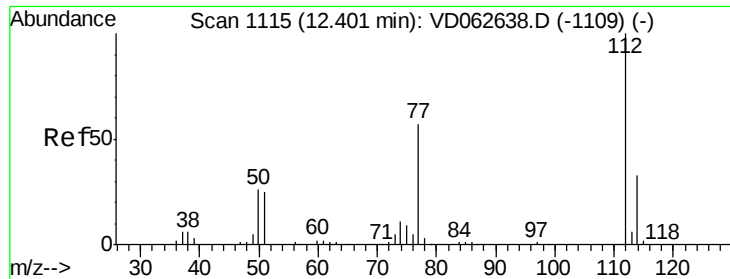
Tgt Ion:117 Resp: 863893
Ion Ratio Lower Upper
117 100
82 51.4 48.7 73.1
119 32.3 27.0 40.6



#64
Tetrachloroethene
Concen: 54.730 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion:164 Resp: 442603
Ion Ratio Lower Upper
164 100
166 128.6 99.4 149.2
129 89.5 70.2 105.4
131 89.7 69.3 103.9

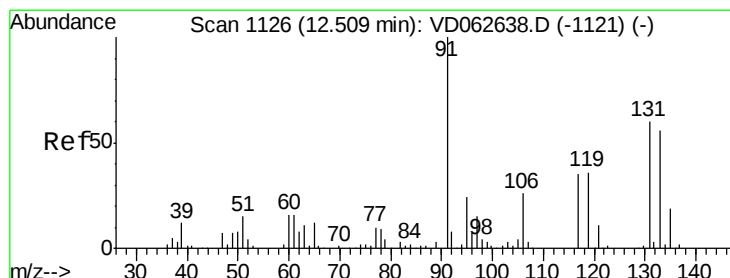
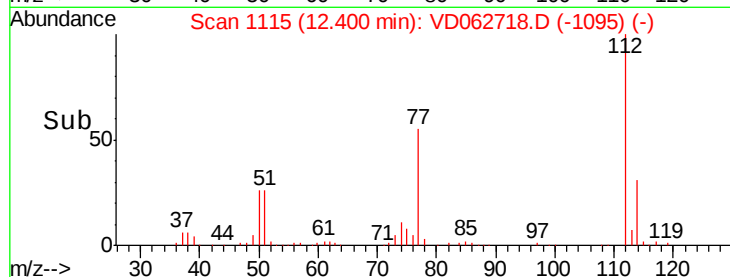
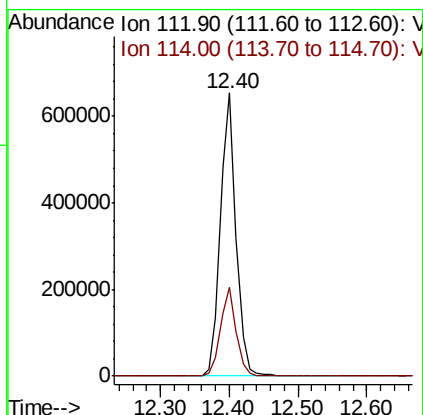
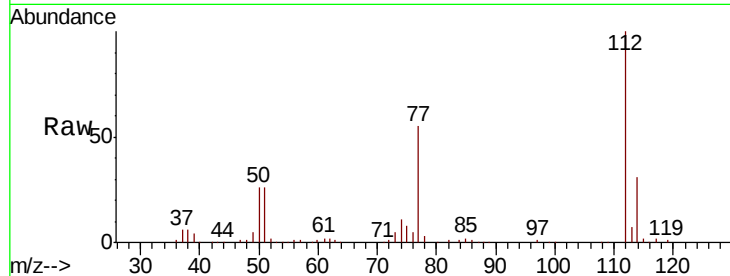




#65
Chlorobenzene
Concen: 53.653 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

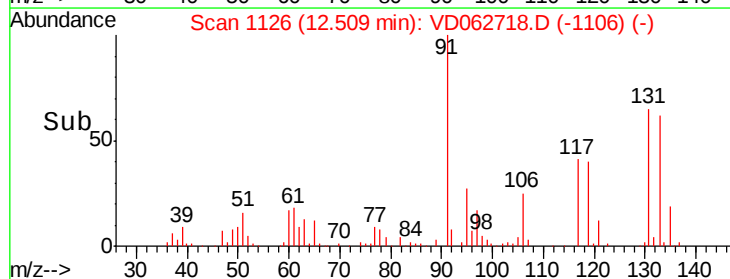
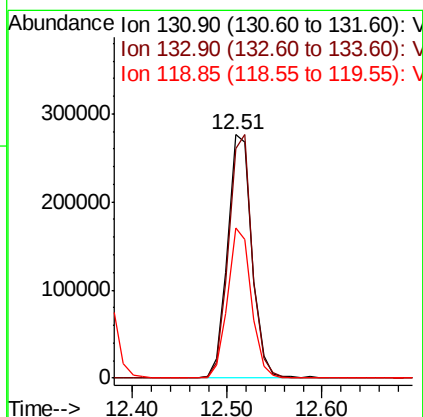
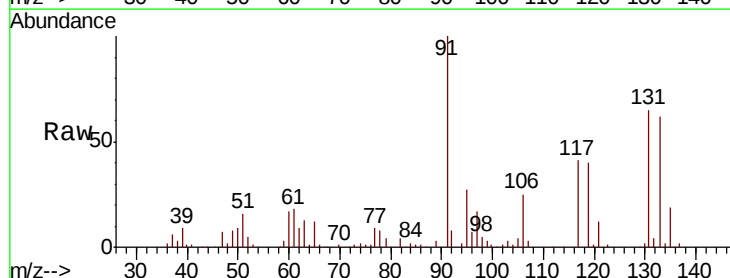
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

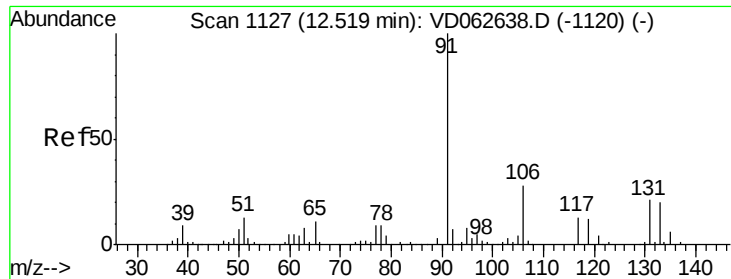
Tgt Ion:112 Resp: 1025244
Ion Ratio Lower Upper
112 100
114 31.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.086 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion:131 Resp: 492925
Ion Ratio Lower Upper
131 100
133 94.5 46.8 140.3
119 61.6 29.9 89.8

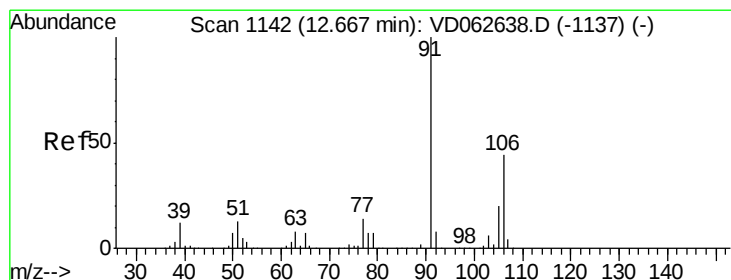
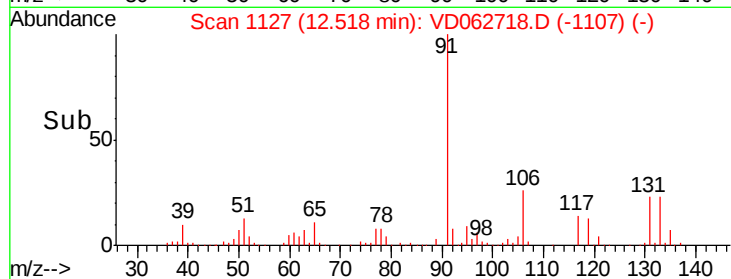
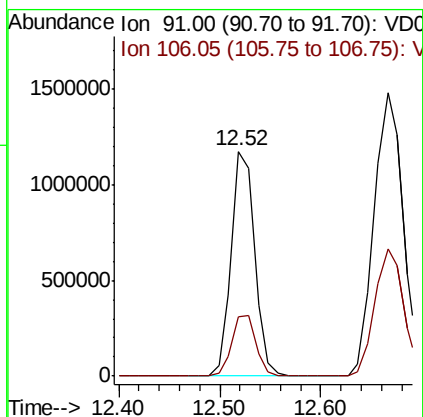
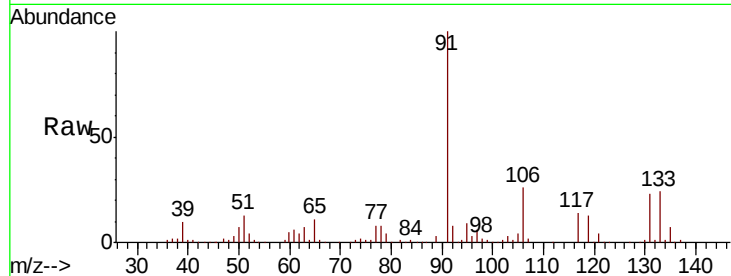




#67
Ethyl Benzene
Concen: 56.118 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

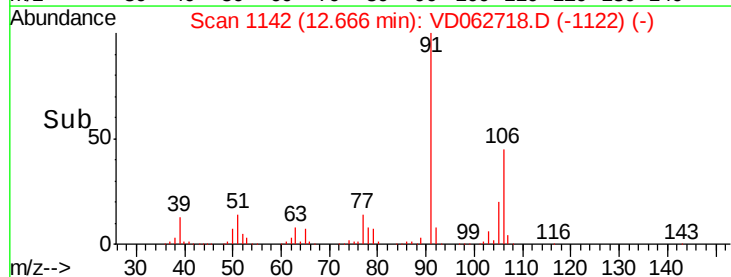
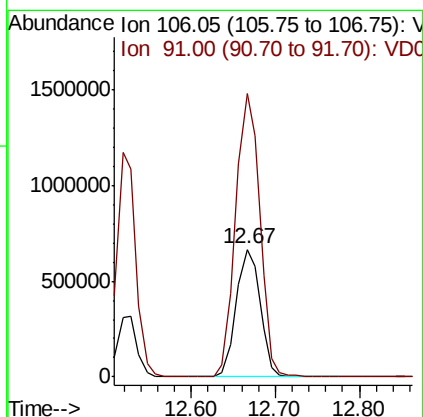
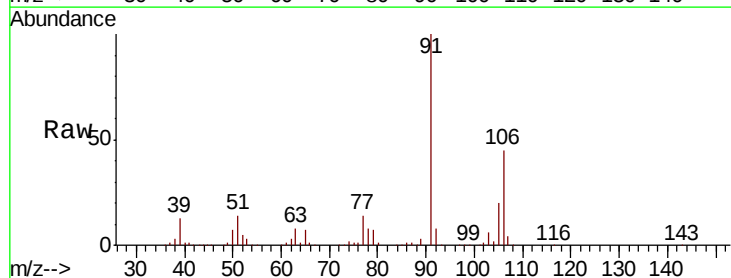
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

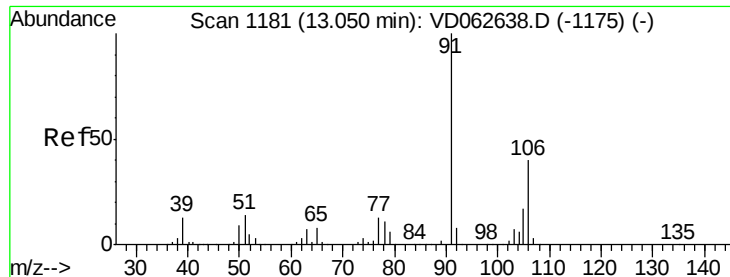
Tgt Ion: 91 Resp: 1901304
Ion Ratio Lower Upper
91 100
106 26.4 22.1 33.1



#68
m/p-Xylenes
Concen: 111.182 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 106 Resp: 1324274
Ion Ratio Lower Upper
106 100
91 222.3 180.2 270.4

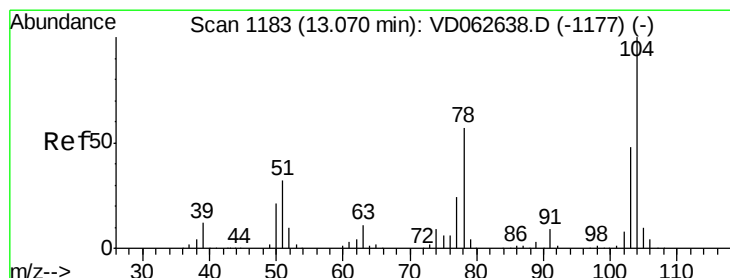
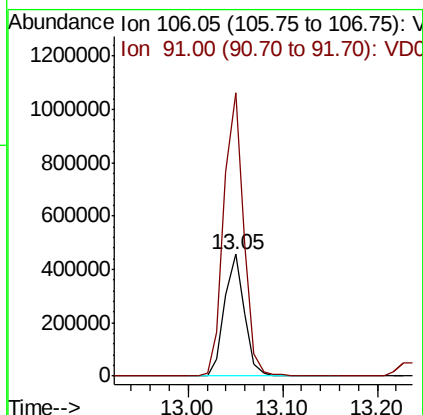
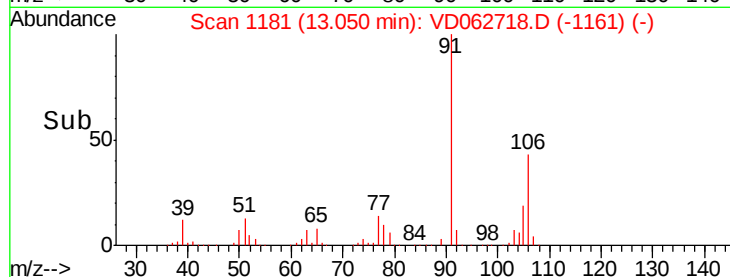
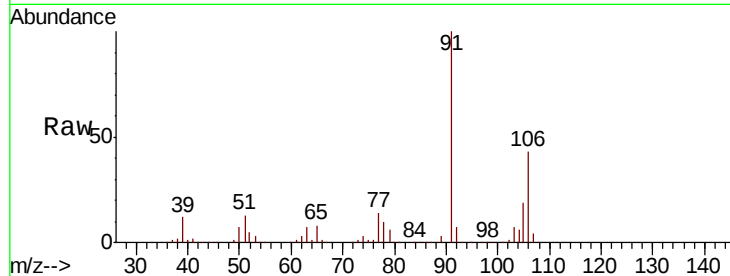




#69
o-Xylene
Concen: 60.358 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

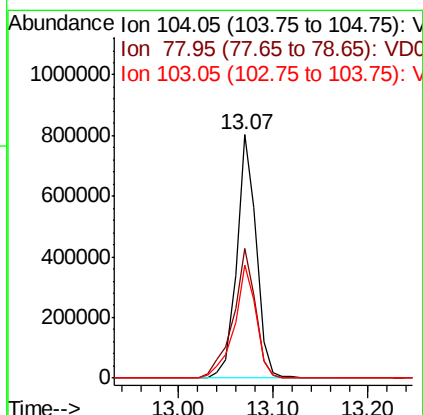
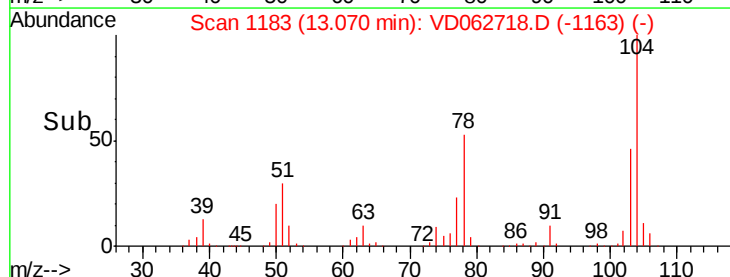
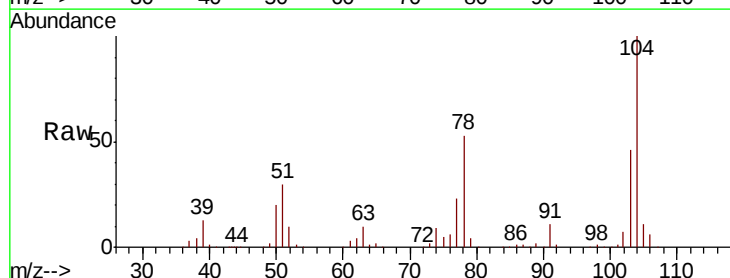
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

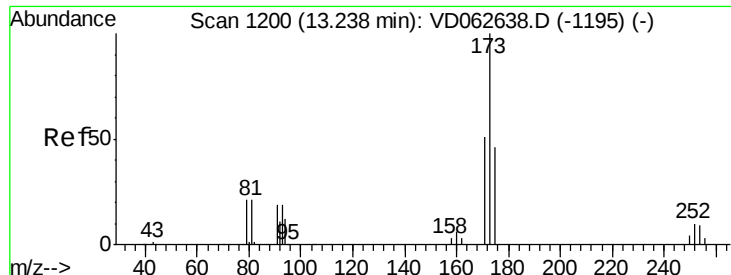
Tgt Ion:106 Resp: 660255
Ion Ratio Lower Upper
106 100
91 232.8 124.1 372.1



#70
Styrene
Concen: 58.686 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion:104 Resp: 1145435
Ion Ratio Lower Upper
104 100
78 53.4 45.9 68.9
103 46.3 38.4 57.6





#71

Bromoform

Concen: 50.772 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

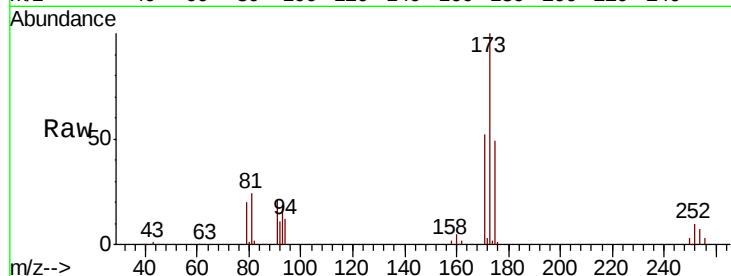
Tgt Ion:173 Resp: 355292

Ion Ratio Lower Upper

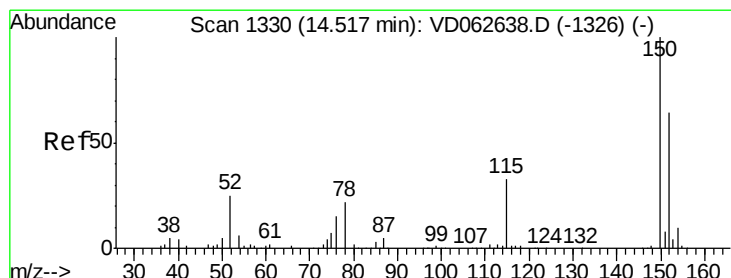
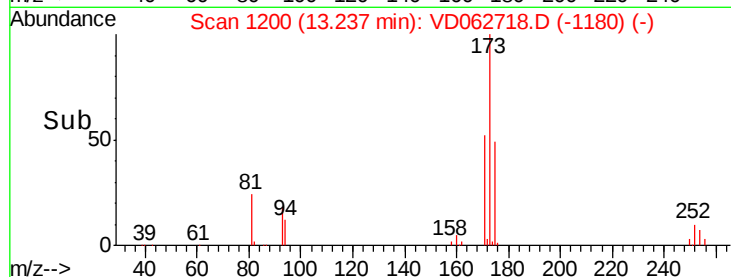
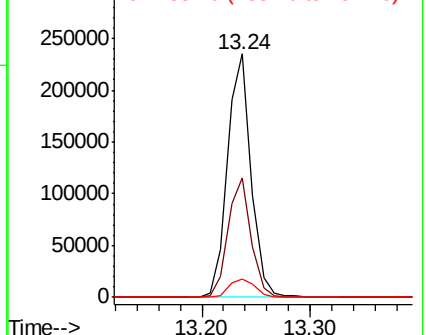
173 100

175 48.8 22.9 68.7

254 7.5 7.0 10.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

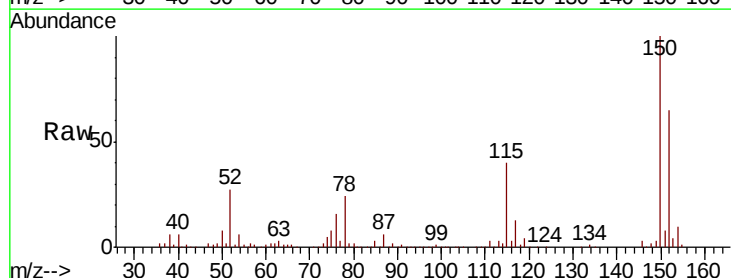
Tgt Ion:152 Resp: 493235

Ion Ratio Lower Upper

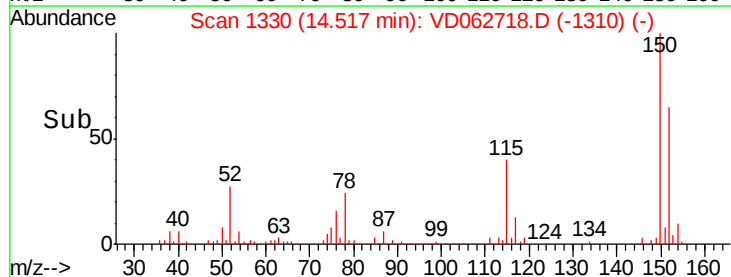
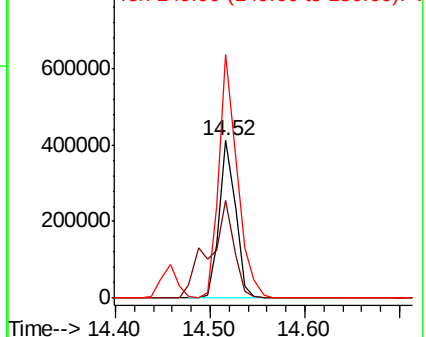
152 100

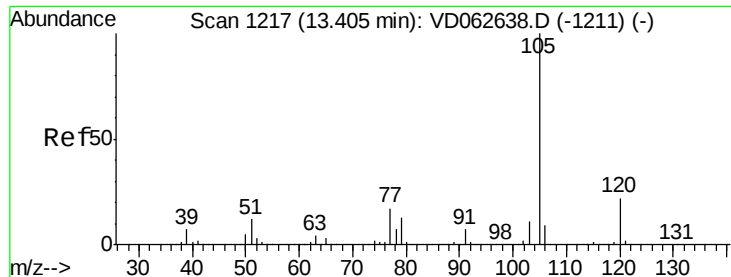
115 62.4 30.1 90.5

150 154.6 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: 55.842 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

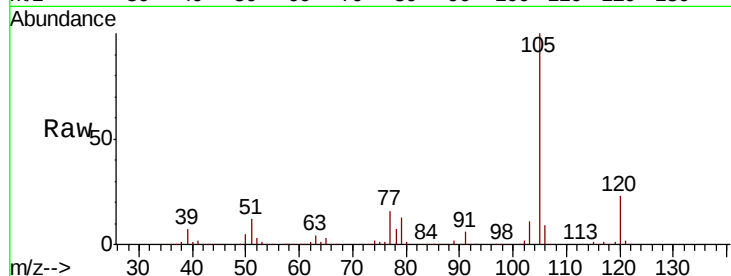
VSTDCCC050

Tgt Ion: 105 Resp: 1941393

Ion Ratio Lower Upper

105 100

120 23.2 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

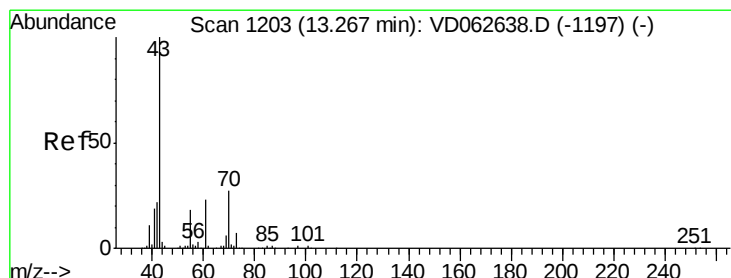
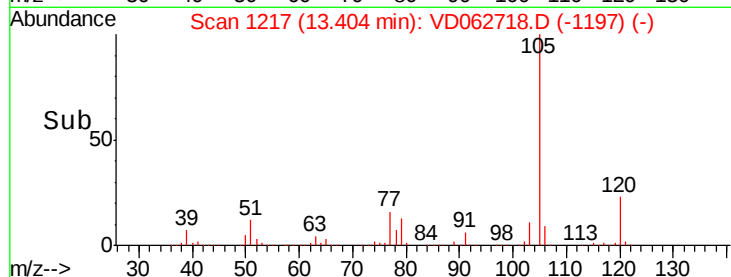
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 55.373 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion: 43 Resp: 520269

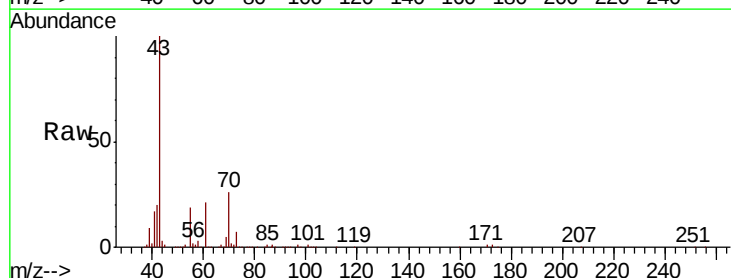
Ion Ratio Lower Upper

43 100

70 26.2 21.8 32.8

55 19.2 14.6 21.8

61 21.2 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

600000

500000

400000

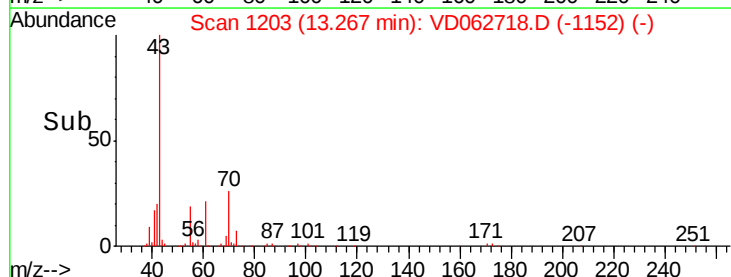
300000

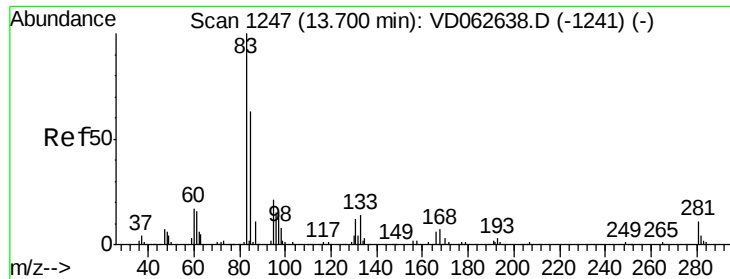
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.575 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

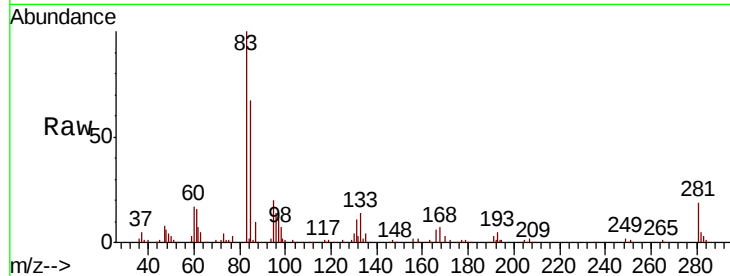
Tgt Ion: 83 Resp: 324648

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.9	17.7
85	67.0	31.3	93.9

83 100

131 11.3 5.9 17.7

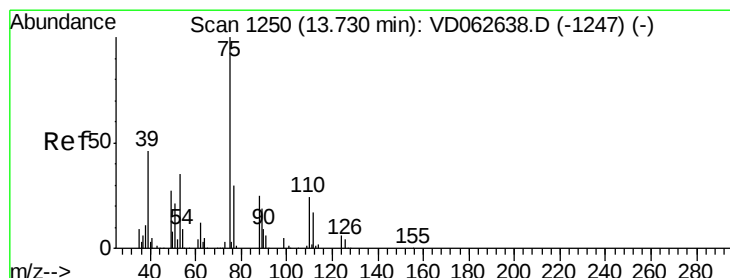
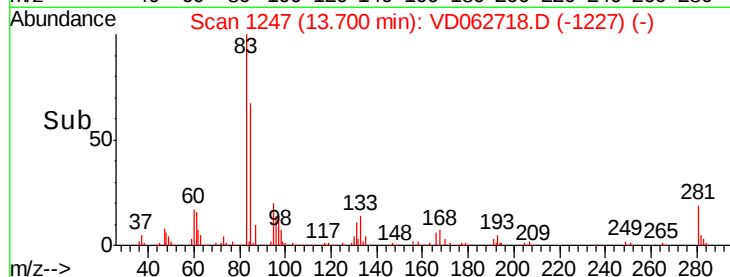
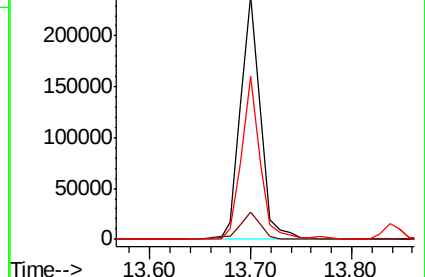
85 67.0 31.3 93.9



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: 55.500 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062718.D

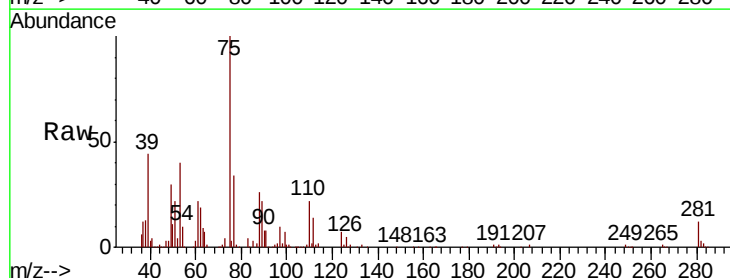
Acq: 17 Jun 2019 11:02

Tgt Ion: 75 Resp: 371173

Ion	Ratio	Lower	Upper
75	100		
77	33.8	16.2	48.6

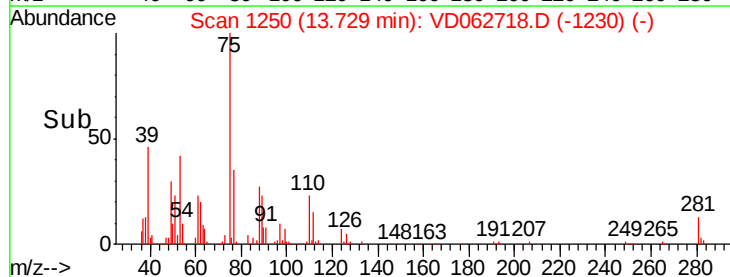
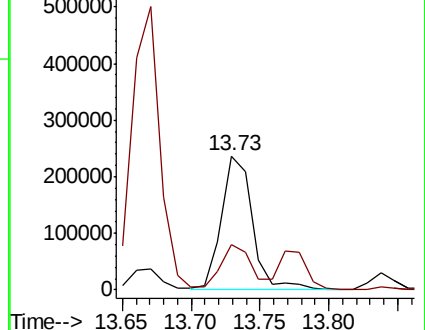
75 100

77 33.8 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.405 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

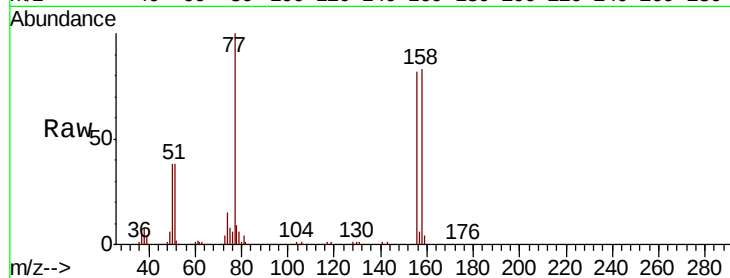
Tgt Ion:156 Resp: 540605

Ion Ratio Lower Upper

156 100

77 122.2 56.3 168.8

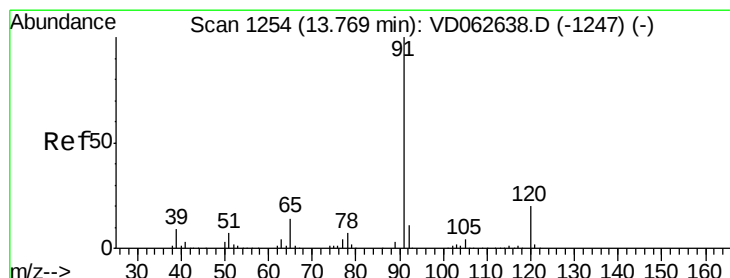
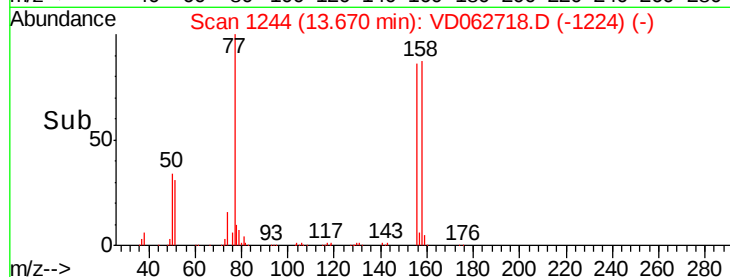
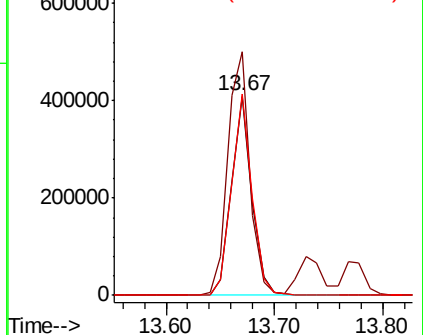
158 101.0 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.241 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062718.D

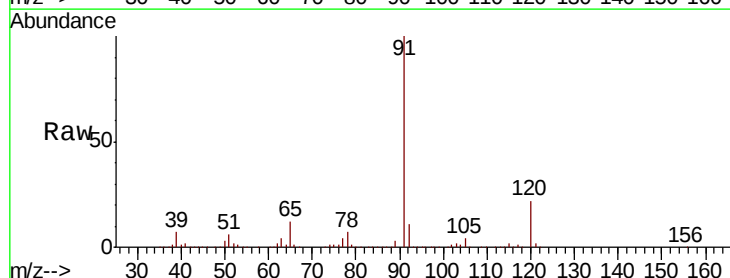
Acq: 17 Jun 2019 11:02

Tgt Ion: 91 Resp: 2350810

Ion Ratio Lower Upper

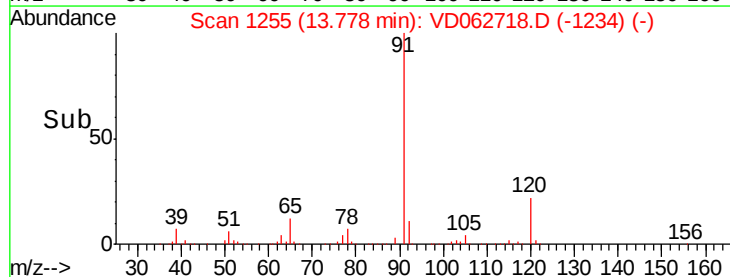
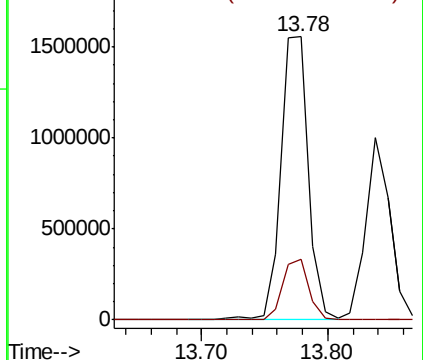
91 100

120 21.5 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.255 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

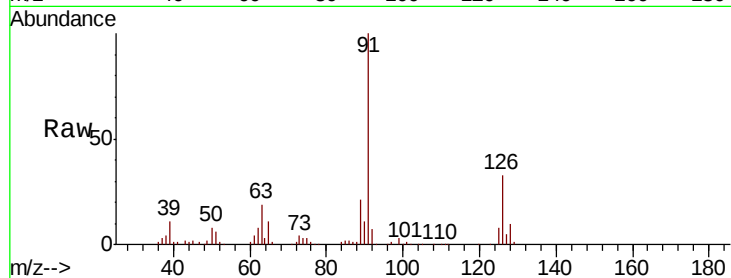
VSTDCCC050

Tgt Ion: 91 Resp: 1326960

Ion Ratio Lower Upper

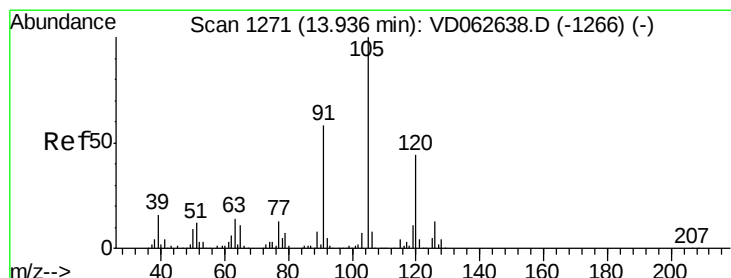
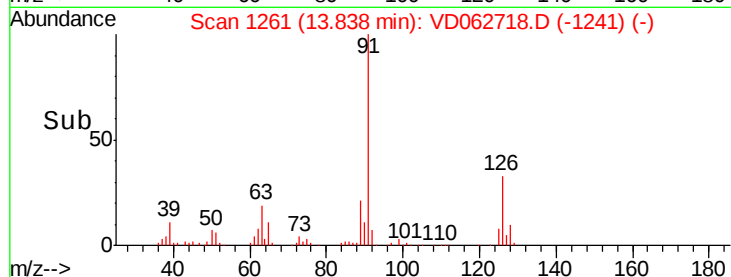
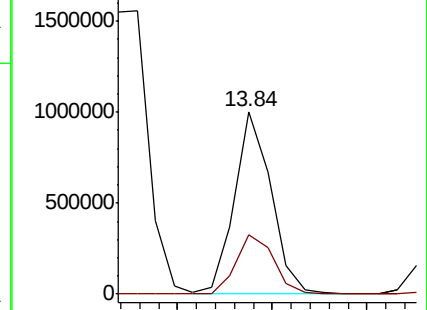
91 100

126 32.7 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.802 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062718.D

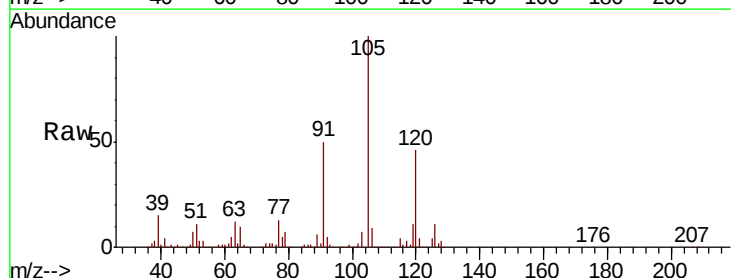
Acq: 17 Jun 2019 11:02

Tgt Ion: 105 Resp: 1683821

Ion Ratio Lower Upper

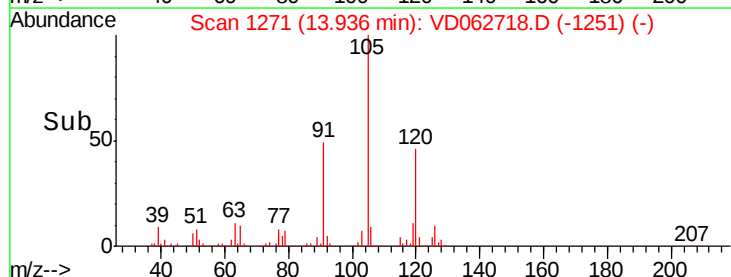
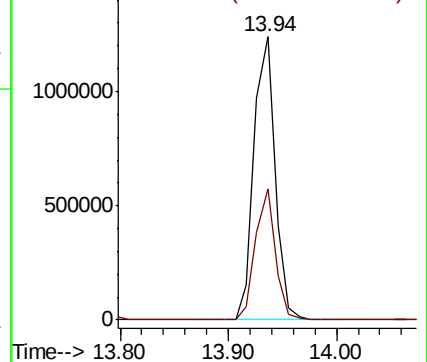
105 100

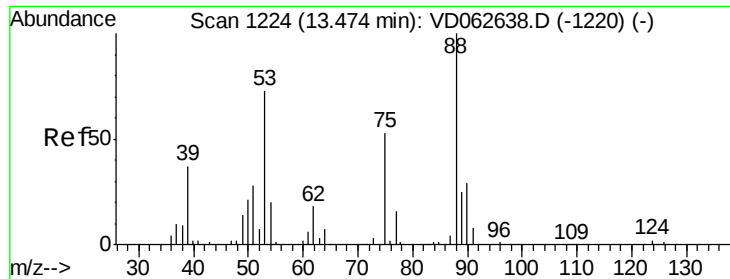
120 46.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.942 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

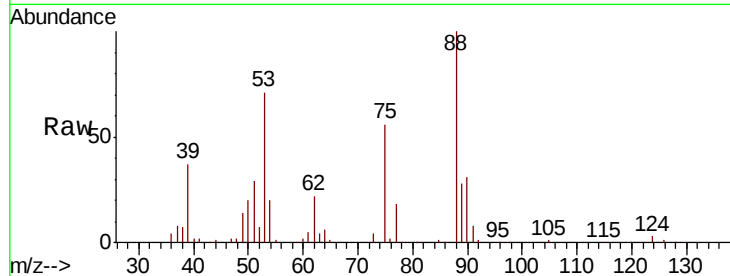
Tgt Ion: 75 Resp: 99041

Ion Ratio Lower Upper

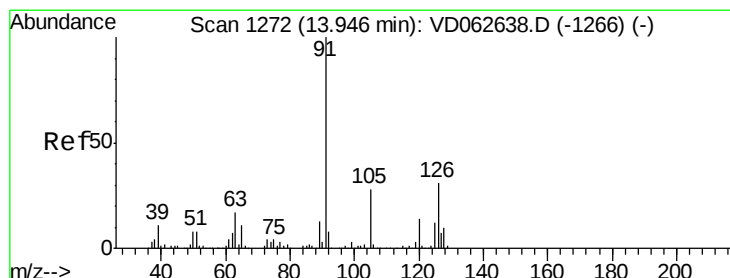
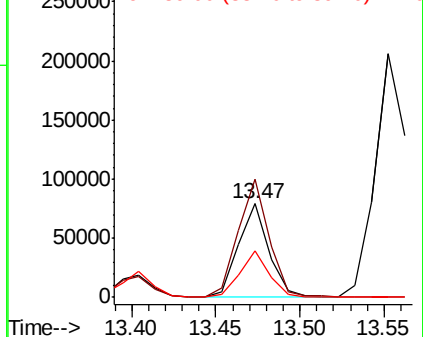
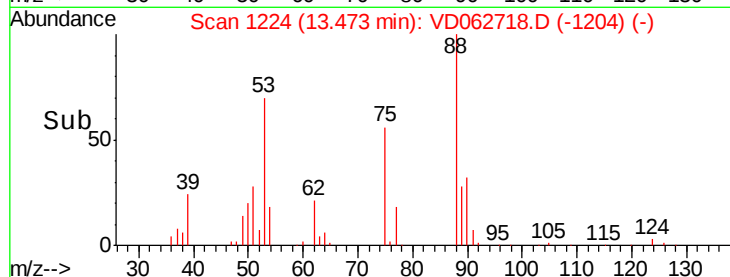
75 100

53 126.8 109.4 164.2

89 49.3 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: 53.054 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062718.D

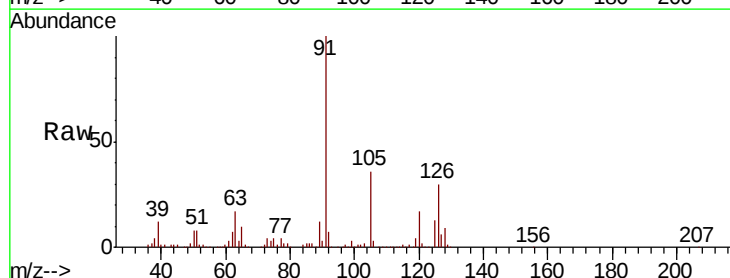
Acq: 17 Jun 2019 11:02

Tgt Ion: 91 Resp: 1580901

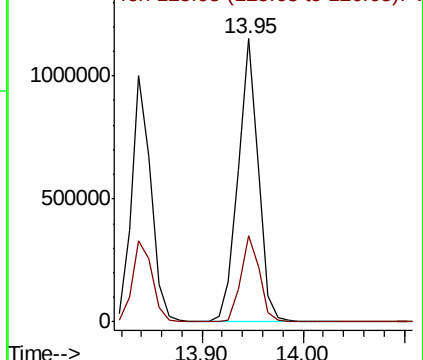
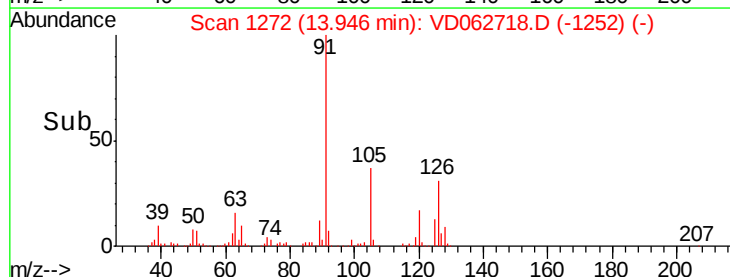
Ion Ratio Lower Upper

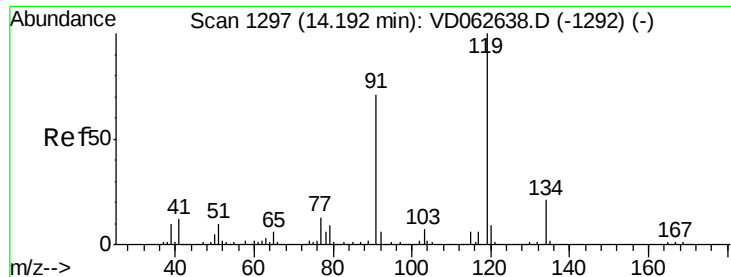
91 100

126 30.4 15.6 46.8



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

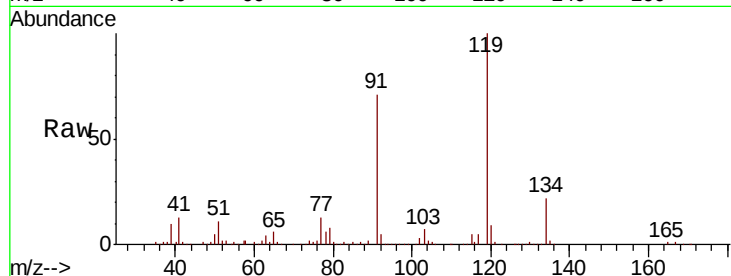




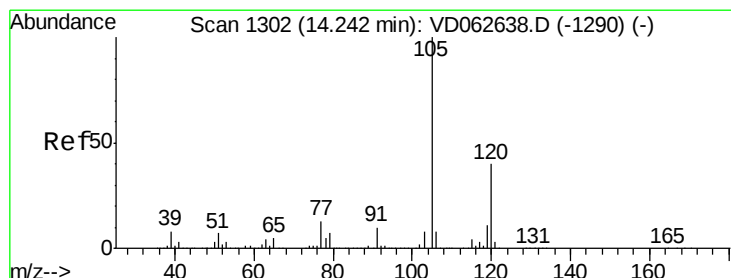
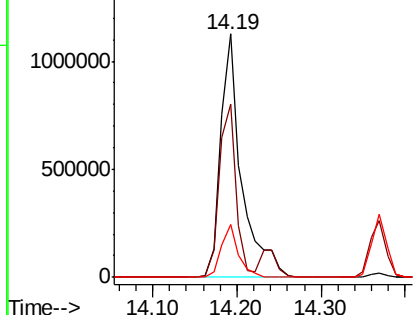
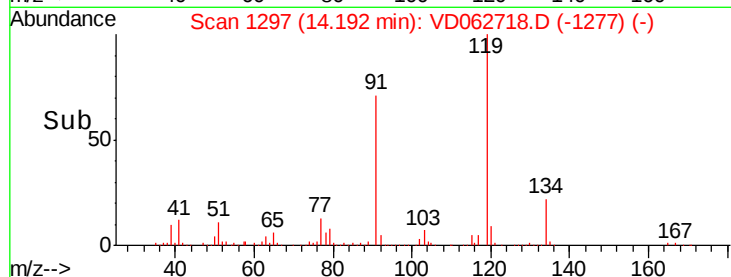
#83
 tert-Butylbenzene
 Concen: 57.416 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1945764
 Ion Ratio Lower Upper
 119 100
 91 71.0 35.4 106.1
 134 21.6 10.8 32.3

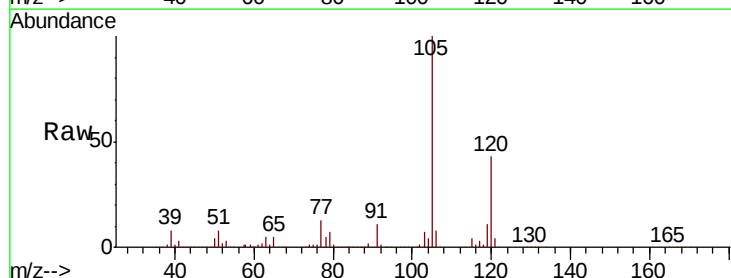


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

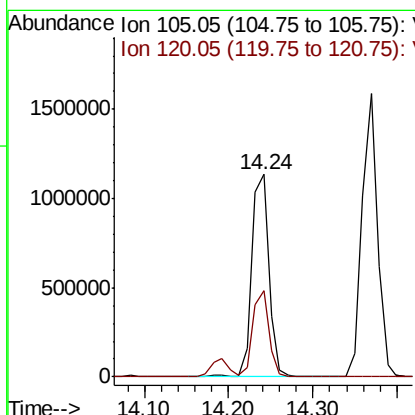
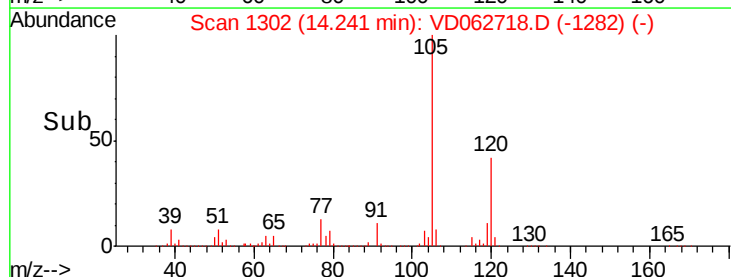


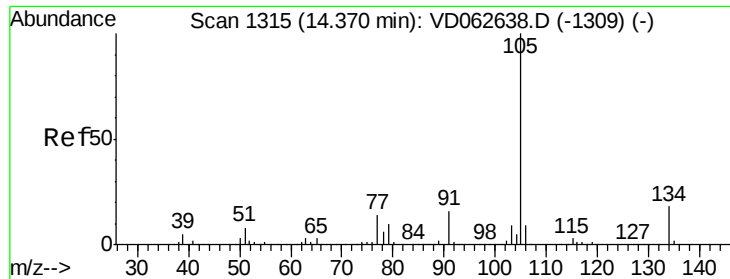
#84
 1,2,4-Trimethylbenzene
 Concen: 53.499 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:105 Resp: 1627542
 Ion Ratio Lower Upper
 105 100
 120 42.6 20.3 60.8



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

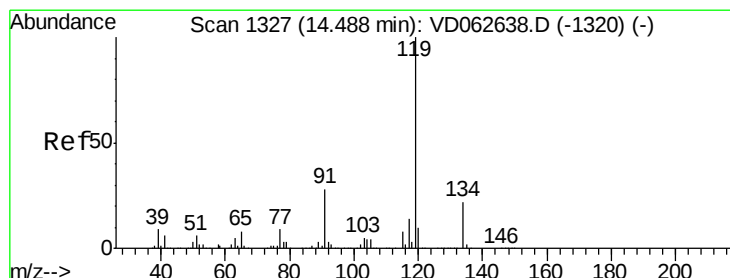
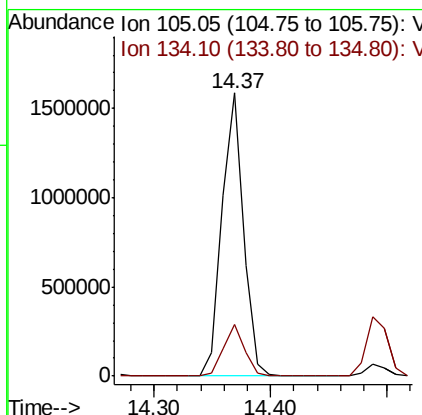
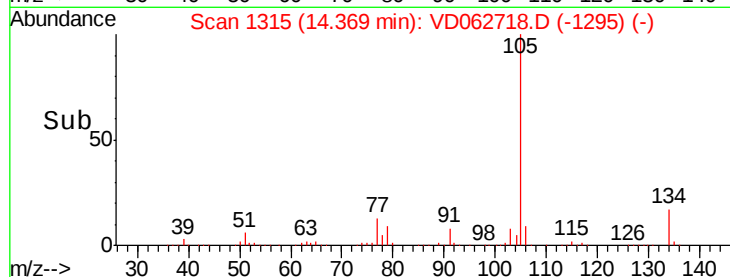
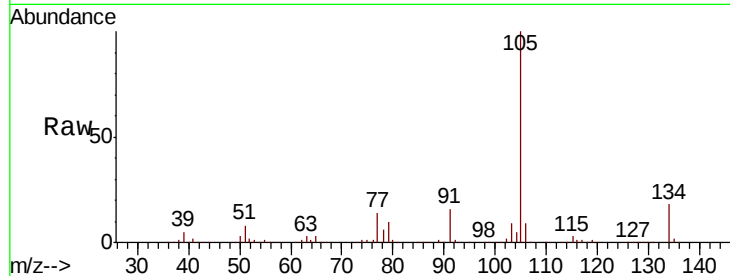




#85
 sec-Butylbenzene
 Concen: 57.120 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

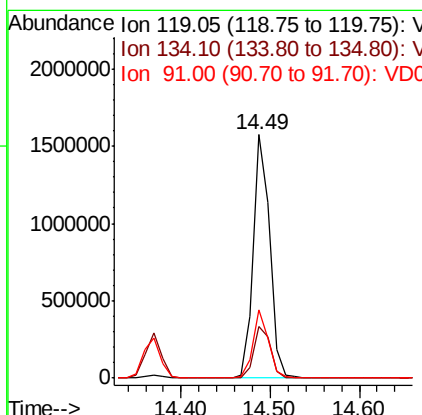
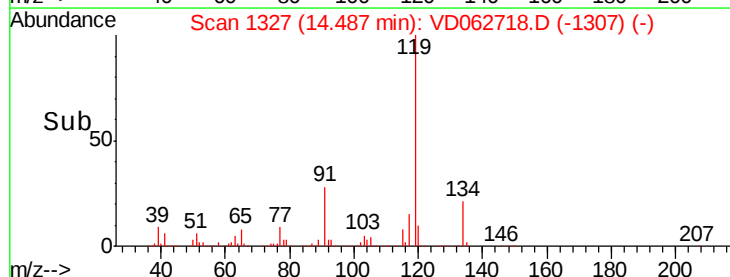
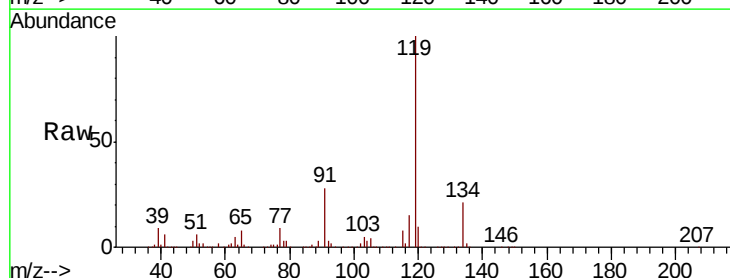
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

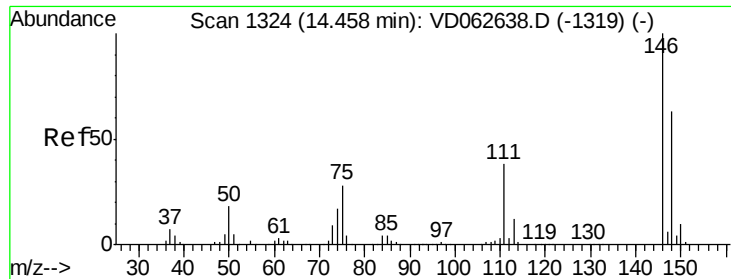
Tgt Ion:105 Resp: 2029820
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 57.451 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:119 Resp: 1987726
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.9 32.6
 91 28.1 13.9 41.6

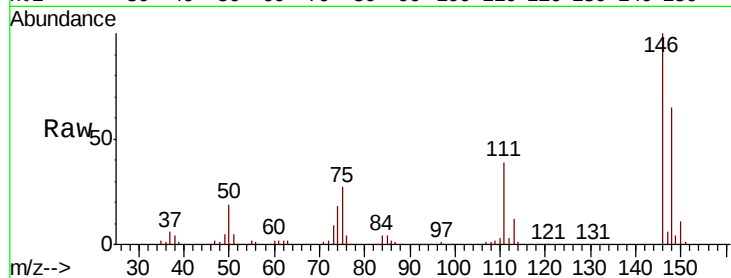




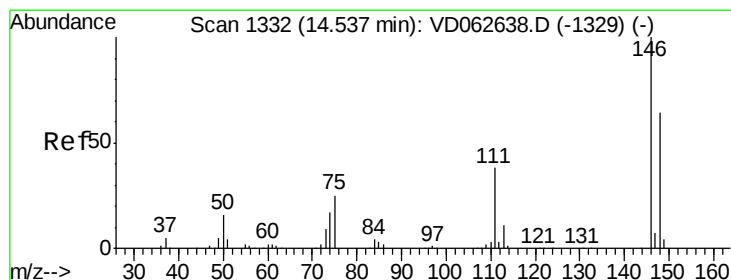
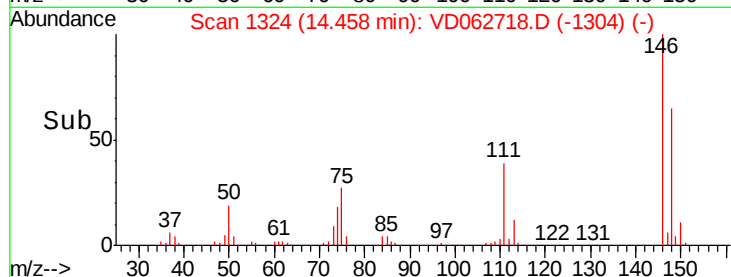
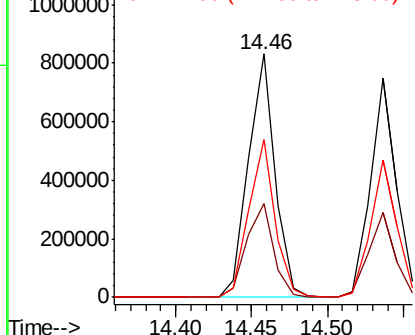
#87
 1,3-Dichlorobenzene
 Concen: 56.560 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1018138
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 65.0 31.6 95.0

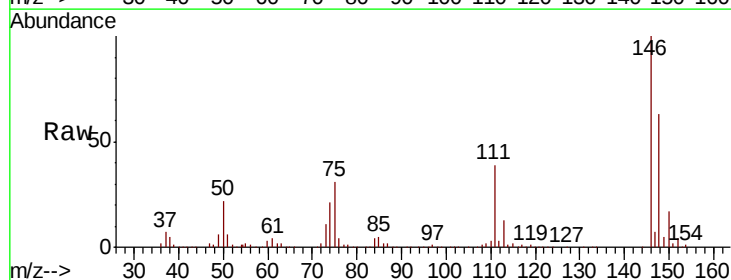


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

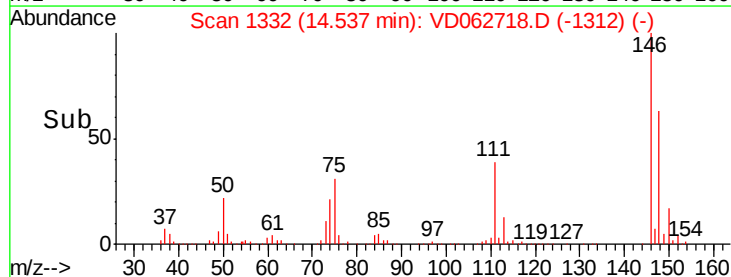
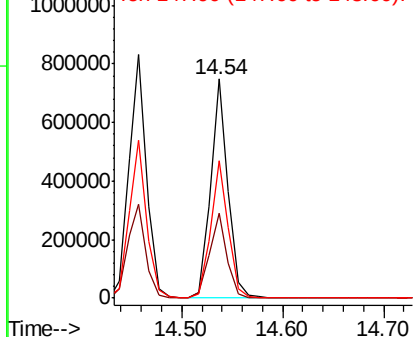


#88
 1,4-Dichlorobenzene
 Concen: 52.900 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:146 Resp: 899944
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.7
 148 63.0 32.3 96.8



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

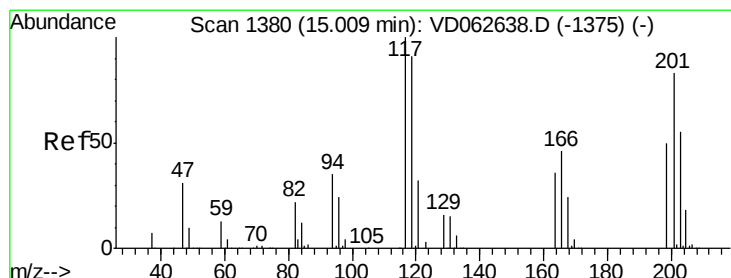
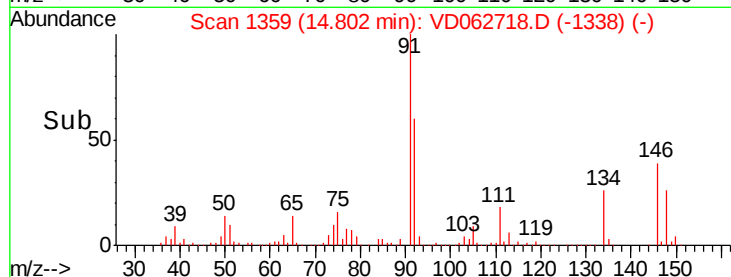
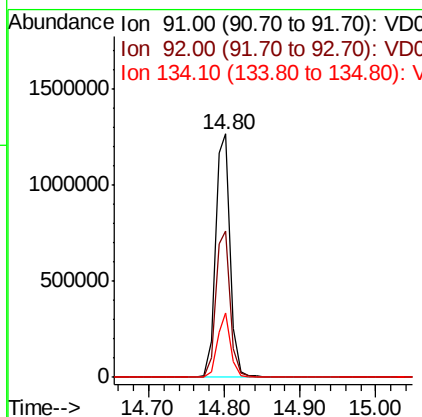
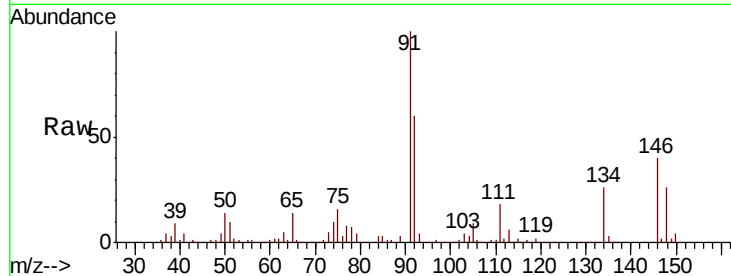




#89
n-Butylbenzene
Concen: 55.847 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

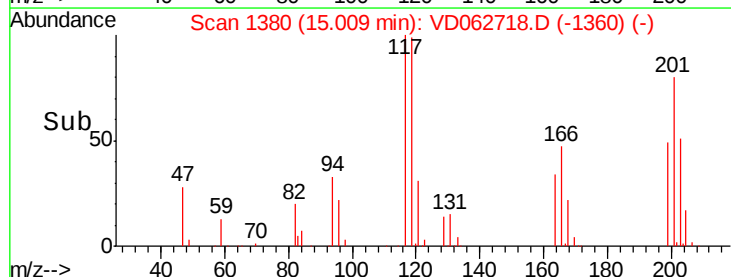
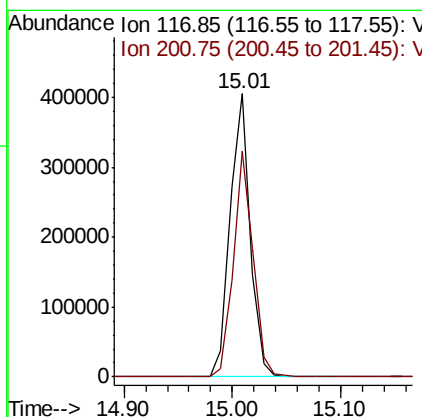
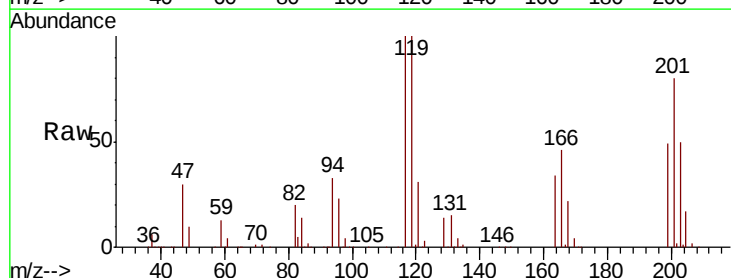
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

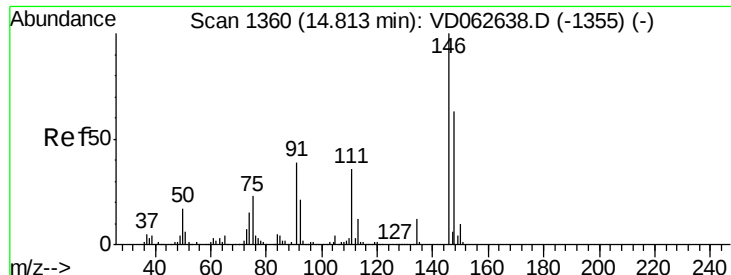
Tgt Ion: 91 Resp: 1738297
Ion Ratio Lower Upper
91 100
92 60.4 29.4 88.3
134 26.4 10.4 31.2



#90
Hexachloroethane
Concen: 57.317 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 117 Resp: 523532
Ion Ratio Lower Upper
117 100
201 79.6 41.5 124.6

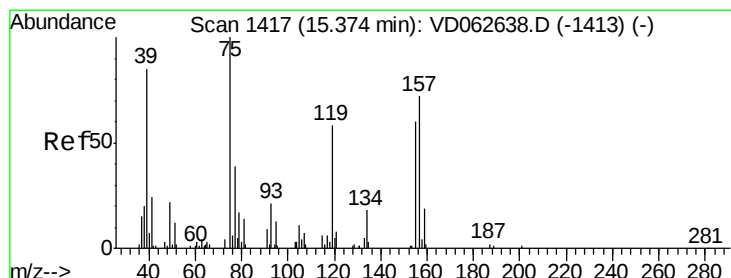
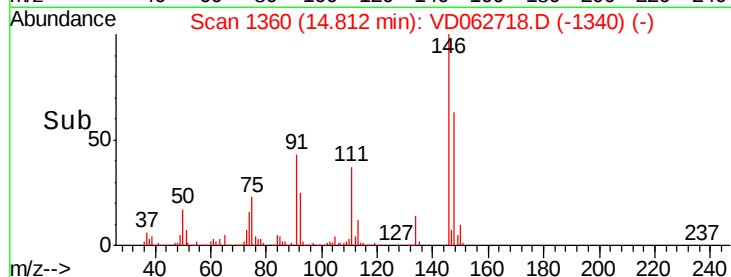
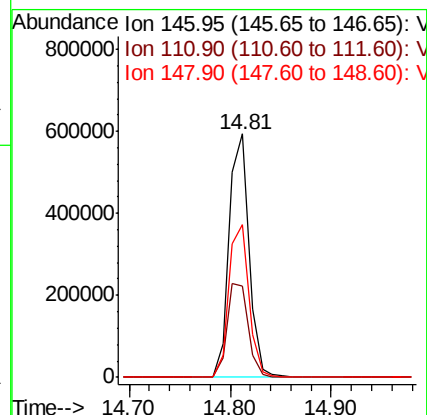
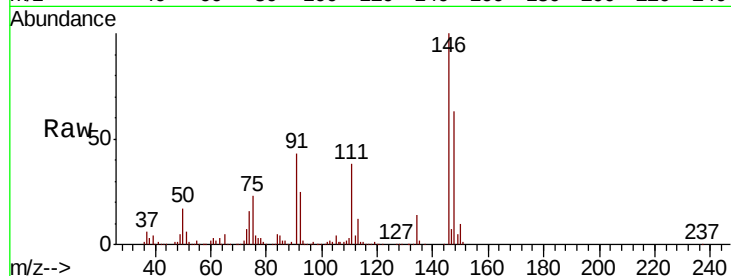




#91
 1,2-Dichlorobenzene
 Concen: 54.570 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

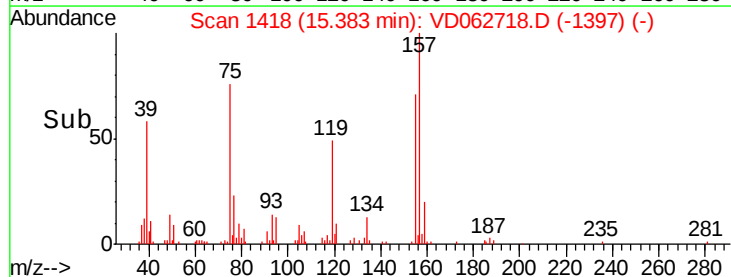
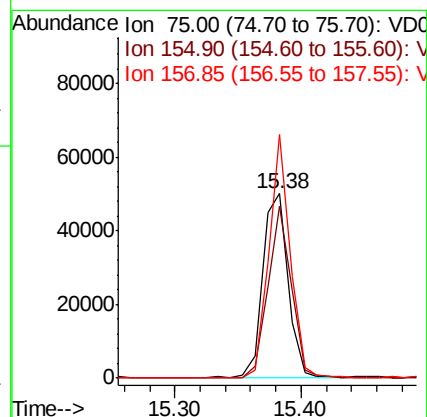
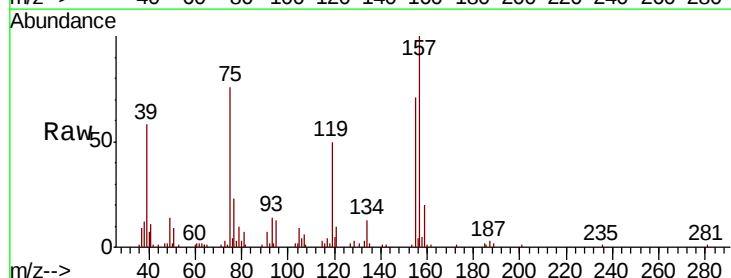
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

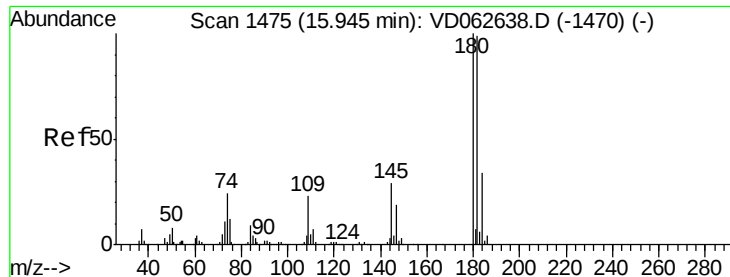
Tgt Ion:146 Resp: 816562
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.3
 148 62.7 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.792 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 75 Resp: 70892
 Ion Ratio Lower Upper
 75 100
 155 93.2 30.1 90.5#
 157 132.1 35.9 107.8#

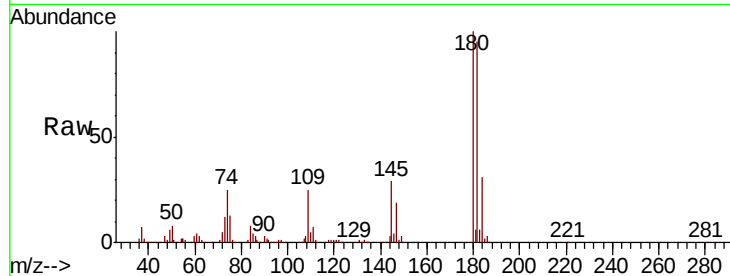




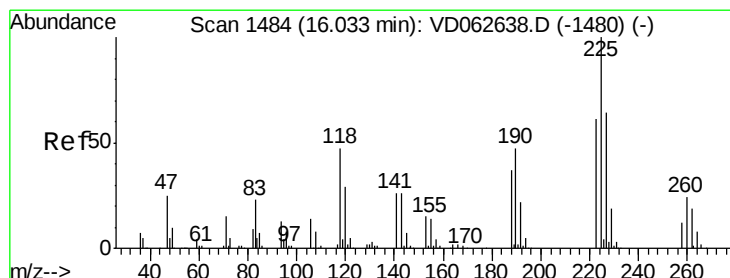
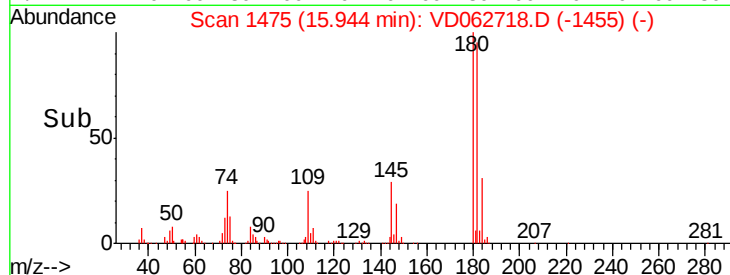
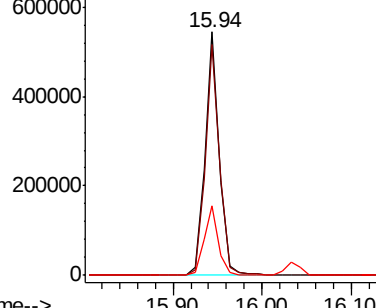
#93
 1,2,4-Trichlorobenzene
 Concen: 48.950 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 620338
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.4 148.2
 145 28.7 14.5 43.6

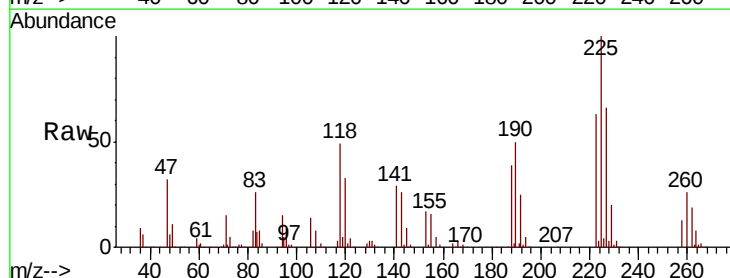


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

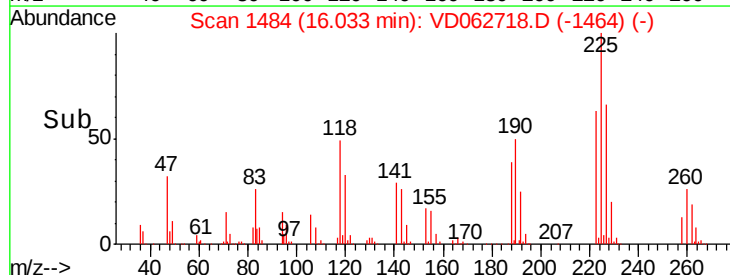
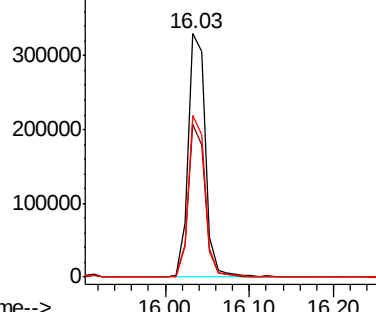


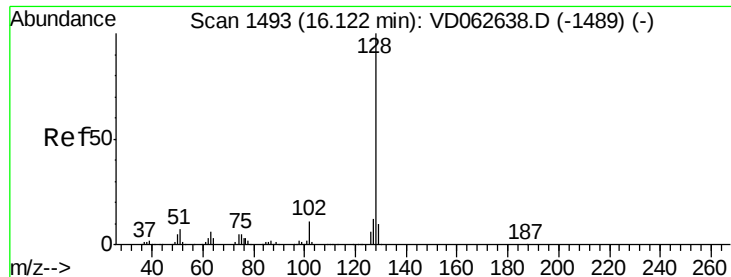
#94
 Hexachlorobutadiene
 Concen: 53.021 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:225 Resp: 468427
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.3 91.0
 227 66.2 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

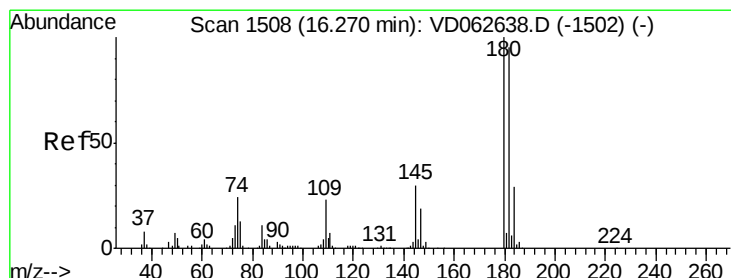
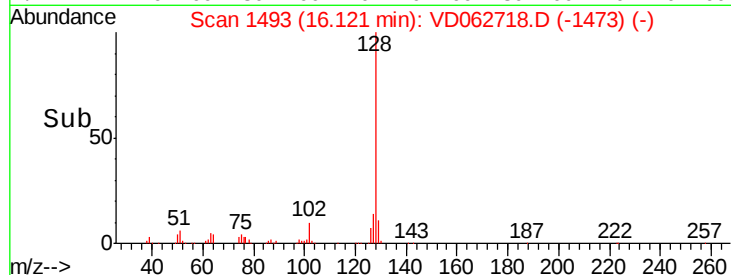
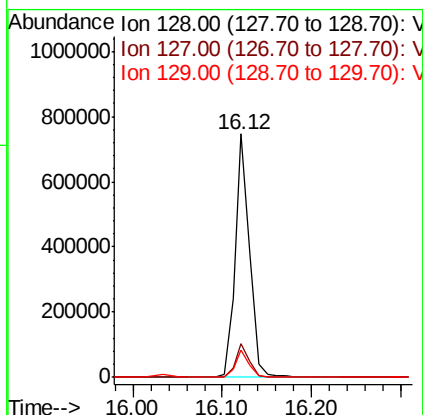
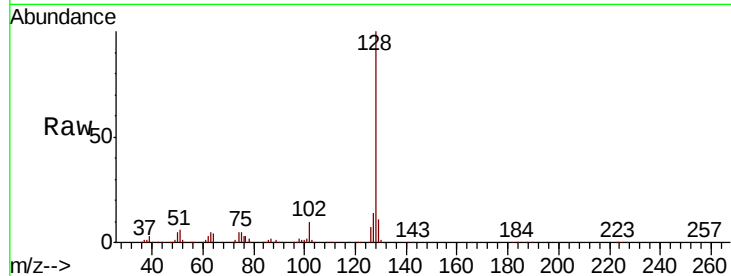




#95
Naphthalene
Concen: 48.031 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 856987
Ion Ratio Lower Upper
128 100
127 13.9 9.7 14.5
129 11.1 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 54.233 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion:180 Resp: 467424
Ion Ratio Lower Upper
180 100
182 95.8 47.7 143.1
145 30.7 15.0 45.0

