

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063093.D
 Acq On : 15 Jul 2019 20:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 16 08:23:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	409747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	580651	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	525894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	304635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	226624	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
35) Dibromofluoromethane	6.91	113	213850	36.98	ug/l	0.00
Spiked Amount			Recovery	=	73.96%	
50) Toluene-d8	10.40	98	414840	33.39	ug/l	0.00
Spiked Amount			Recovery	=	66.78%	
62) 4-Bromofluorobenzene	13.55	95	234780	40.85	ug/l	0.00
Spiked Amount			Recovery	=	81.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	164181	37.484	ug/l	97
3) Chloromethane	1.74	50	155761	41.413	ug/l #	87
4) Vinyl Chloride	1.84	62	141706	32.404	ug/l	96
5) Bromomethane	2.14	94	105721	64.359	ug/l	92
6) Chloroethane	2.26	64	86762	42.710	ug/l	99
7) Trichlorofluoromethane	2.53	101	338238	38.207	ug/l	93
8) Diethyl Ether	2.86	74	78144	62.751	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	197235	38.638	ug/l	98
10) Methyl Iodide	3.29	142	272585	43.497	ug/l	92
11) Tert butyl alcohol	4.07	59	101585	344.861	ug/l	98
12) 1,1-Dichloroethene	3.11	96	143716	39.647	ug/l	94
13) Acrolein	3.02	56	17896	201.293	ug/l	85
14) Allyl chloride	3.60	41	272772	47.880	ug/l	98
15) Acrylonitrile	4.18	53	225220	345.882	ug/l	94
16) Acetone	3.21	43	397824	322.697	ug/l	98
17) Carbon Disulfide	3.36	76	378246	36.455	ug/l	98
18) Methyl Acetate	3.63	43	128970	77.006	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	556317	60.797	ug/l	98
20) Methylene Chloride	3.80	84	214179	45.986	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	182598	45.377	ug/l	96
22) Diisopropyl ether	5.11	45	680949	54.975	ug/l	90
23) Vinyl Acetate	5.05	43	2334192	323.007	ug/l	99
24) 1,1-Dichloroethane	4.97	63	374224	49.047	ug/l	98
25) 2-Butanone	6.06	43	396310	336.645	ug/l	97
26) 2,2-Dichloropropane	6.00	77	386374	45.756	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	225058	49.166	ug/l	98
28) Bromochloromethane	6.42	49	96597	34.897	ug/l	92
29) Tetrahydrofuran	6.44	42	187950	352.198	ug/l	99
30) Chloroform	6.65	83	491696	52.327	ug/l	99
31) Cyclohexane	6.94	56	185777	38.233	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	434538	46.896	ug/l	99
36) 1,1-Dichloropropene	7.13	75	273112	41.821	ug/l	95
37) Ethyl Acetate	6.17	43	200355	71.687	ug/l	97
38) Carbon Tetrachloride	7.09	117	453064	45.657	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	208475	36.925	ug/l	91
40) Benzene	7.44	78	627787	45.899	ug/l	97
41) Methacrylonitrile	6.43	41	237590	62.702	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	417999	57.363	ug/l	97
43) Isopropyl Acetate	9.23	43	255266	63.720	ug/l	100
44) Trichloroethene	8.52	130	244393	46.235	ug/l	99
45) 1,2-Dichloropropane	8.93	63	167777	49.200	ug/l	95
46) Dibromomethane	9.05	93	180837	61.711	ug/l	93
47) Bromodichloromethane	9.36	83	432217	56.522	ug/l #	97
48) Methyl methacrylate	9.11	41	173409	65.916	ug/l	90
49) 1,4-Dioxane	9.07	88	30823	1358.549	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	951150	357.975	ug/l	97
52) Toluene	10.50	92	424686	46.498	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	368105	56.187	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	375378	55.414	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	189666	60.090	ug/l	93
56) Ethyl methacrylate	11.03	69	214577	60.845	ug/l	100
57) 1,3-Dichloropropane	11.40	76	264651	55.103	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	723802	368.604	ug/l	96
59) 2-Hexanone	11.52	43	654386	319.349	ug/l	97
60) Dibromochloromethane	11.67	129	362254	59.873	ug/l	96
61) 1,2-Dibromoethane	11.80	107	233801	61.883	ug/l	99
64) Tetrachloroethene	11.25	164	213470	41.833	ug/l	94
65) Chlorobenzene	12.39	112	593119	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	292963	51.114	ug/l	98
67) Ethyl Benzene	12.52	91	985309	45.872	ug/l	99
68) m/p-Xylenes	12.66	106	659125	85.674	ug/l	94
69) o-Xylene	13.04	106	360012	49.351	ug/l	96
70) Styrene	13.06	104	608270	47.636	ug/l	97
71) Bromoform	13.23	173	235206	58.617	ug/l	98
73) Isopropylbenzene	13.39	105	1054728	44.832	ug/l	95
74) N-amyl acetate	13.26	43	355129	54.126	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	242454	56.642	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	253554	54.107	ug/l	98
77) Bromobenzene	13.66	156	323126	48.433	ug/l	82
78) n-propylbenzene	13.77	91	1074548	39.690	ug/l	98
79) 2-Chlorotoluene	13.84	91	692778	42.322	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	809865	39.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	68826	55.773	ug/l	90
82) 4-Chlorotoluene	13.95	91	825382	43.180	ug/l	96
83) tert-Butylbenzene	14.18	119	992897	42.827	ug/l	86
84) 1,2,4-Trimethylbenzene	14.23	105	890956	43.585	ug/l	99
85) sec-Butylbenzene	14.36	105	1032255	41.906	ug/l	95
86) p-Isopropyltoluene	14.49	119	1000373	43.534	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	550937	46.241	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	569352	49.846	ug/l	97
89) n-Butylbenzene	14.79	91	901452	42.561	ug/l	99
90) Hexachloroethane	15.00	117	264612	43.075	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	530611	50.013	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	48967	59.682	ug/l	82

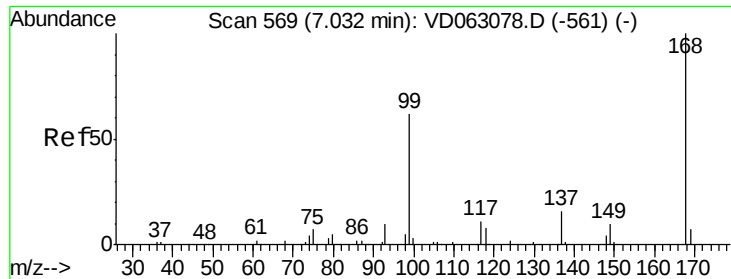
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	351668	44.120	ug/l	96
94) Hexachlorobutadiene	16.03	225	264762	45.065	ug/l	98
95) Naphthalene	16.12	128	641161	54.991	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	293077	45.708	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

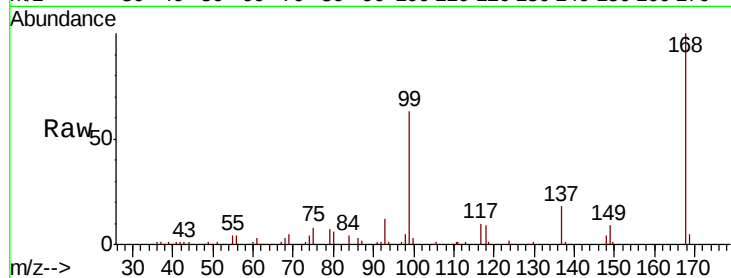
VSTDCCC050EC

Tot Ion:168 Resp: 409747

Ion Ratio Lower Upper

168 100

99 63.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

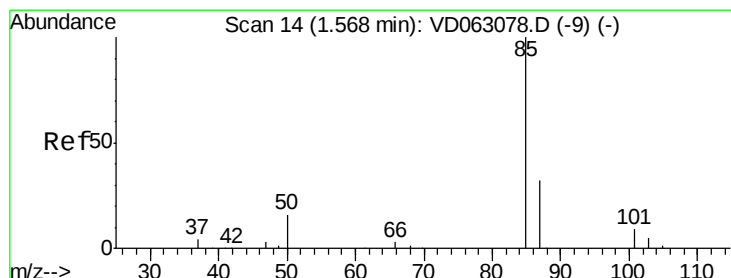
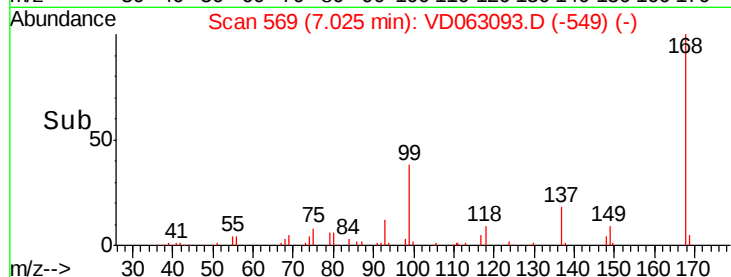
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 37.484 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063093.D

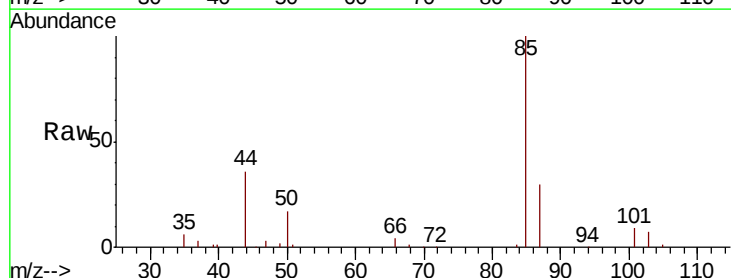
Acq: 15 Jul 2019 20:59

Tgt Ion: 85 Resp: 164181

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

100000

80000

60000

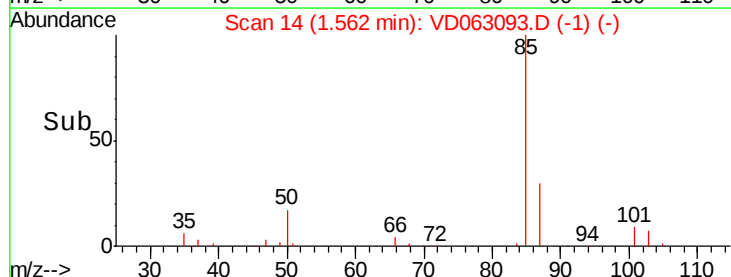
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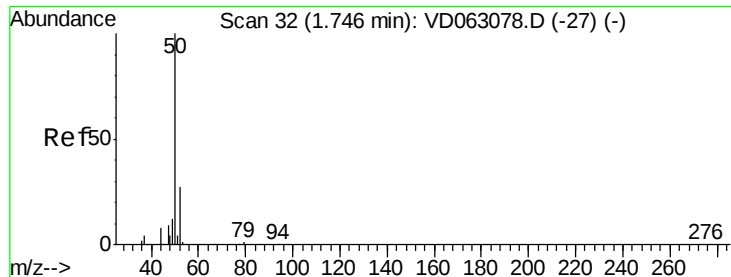
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 41.413 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

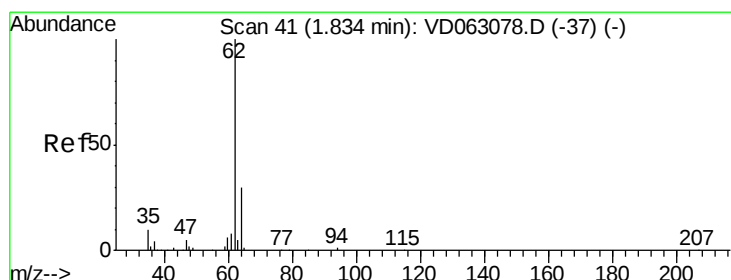
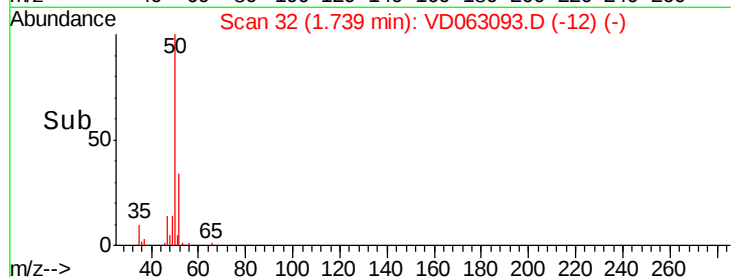
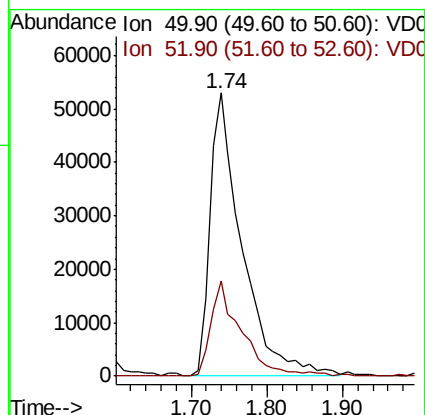
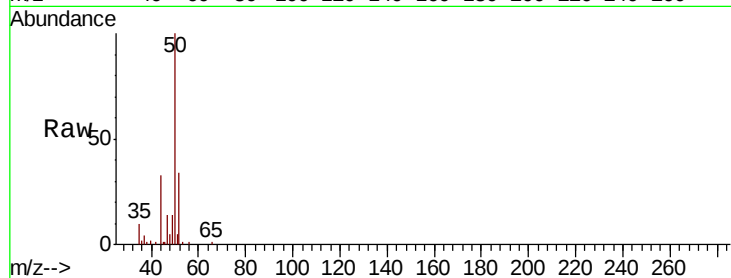
VSTDCCC050EC

Tot Ion: 50 Resp: 155761

Ion Ratio Lower Upper

50 100

52 33.5 21.4 32.2#



#4

Vinyl Chloride

Concen: 32.404 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063093.D

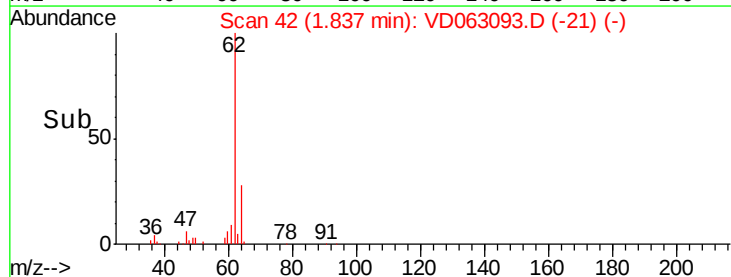
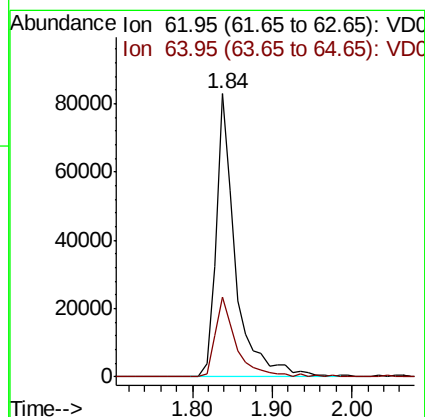
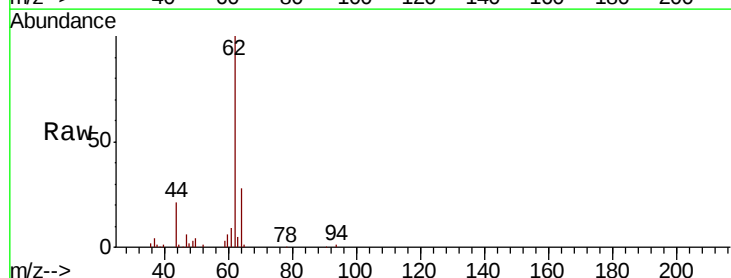
Acq: 15 Jul 2019 20:59

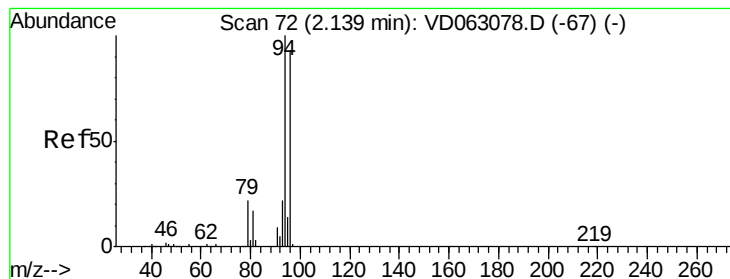
Tgt Ion: 62 Resp: 141706

Ion Ratio Lower Upper

62 100

64 28.1 24.4 36.6





#5

Bromomethane

Concen: 64.359 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

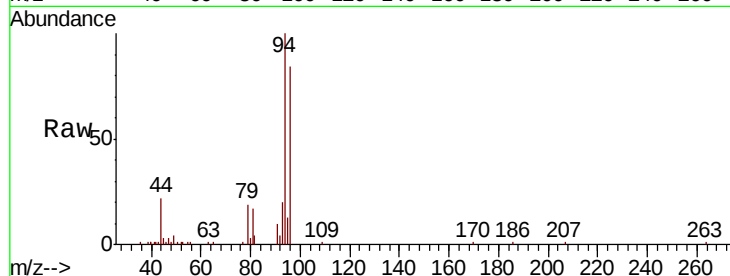
Tot Ion: 94 Resp: 105721

Ion Ratio Lower Upper

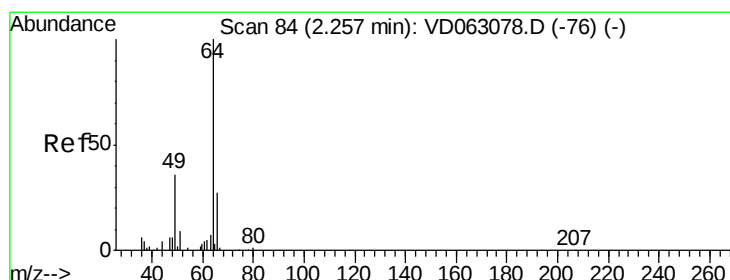
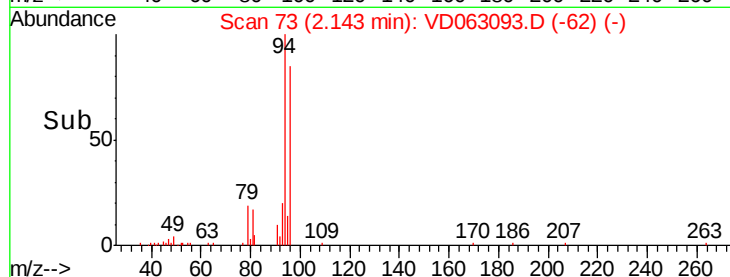
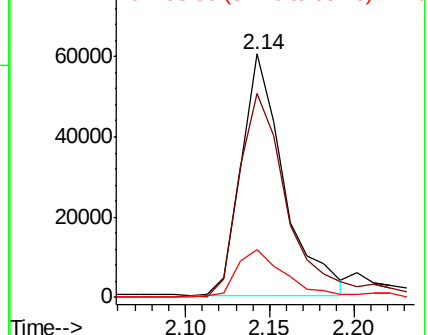
94 100

96 84.0 74.2 111.2

93 19.7 17.8 26.6



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: 42.710 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063093.D

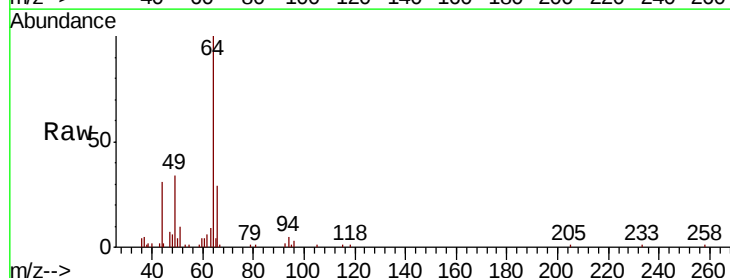
Acq: 15 Jul 2019 20:59

Tgt Ion: 64 Resp: 86762

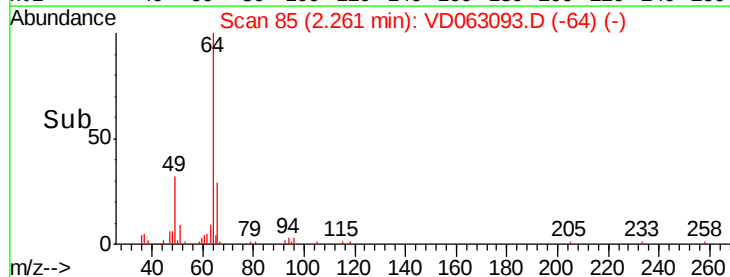
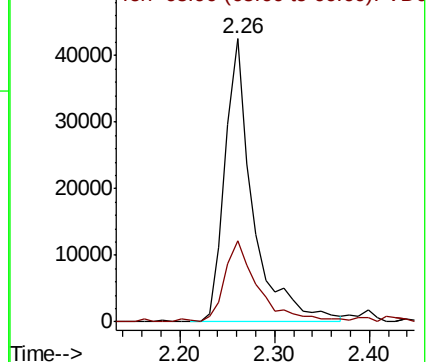
Ion Ratio Lower Upper

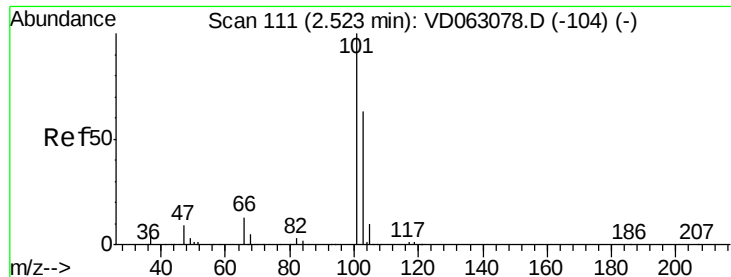
64 100

66 28.9 22.5 33.7



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



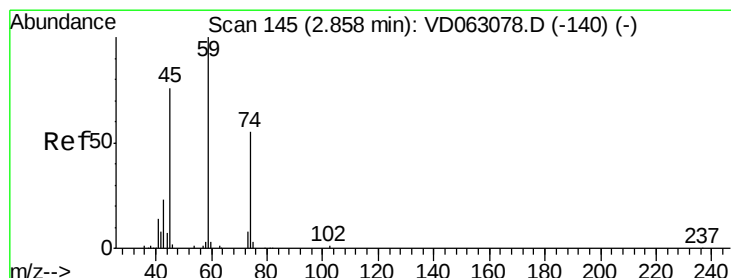
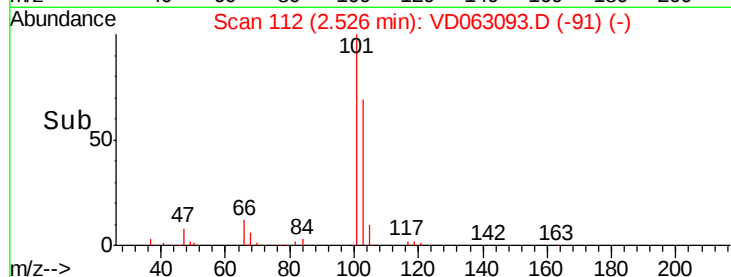
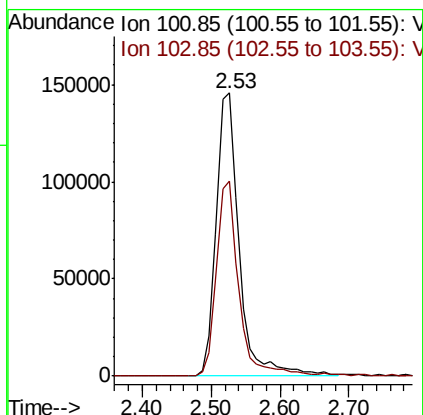
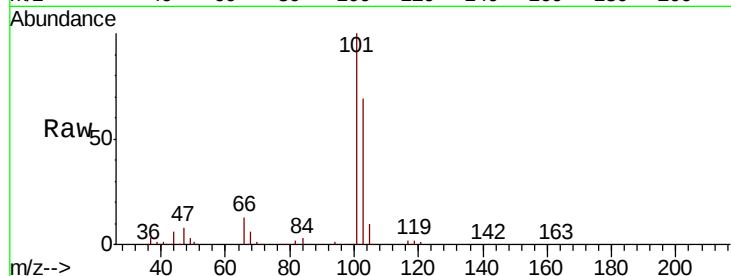


#7

Trichlorofluoromethane
Concen: 38.207 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
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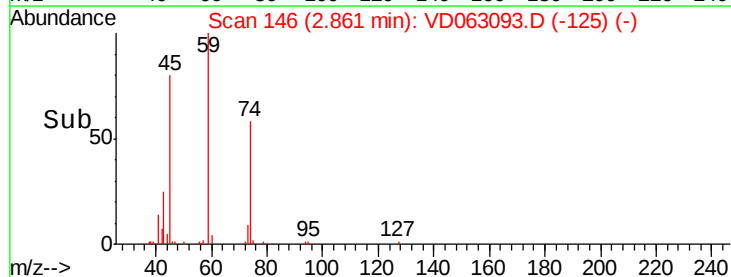
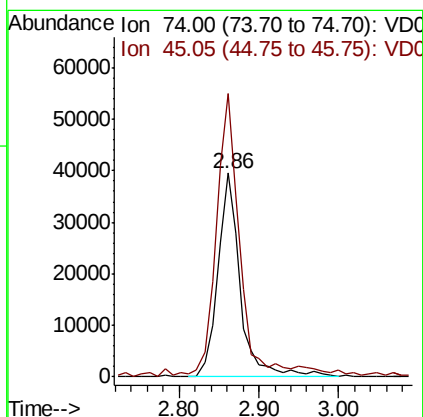
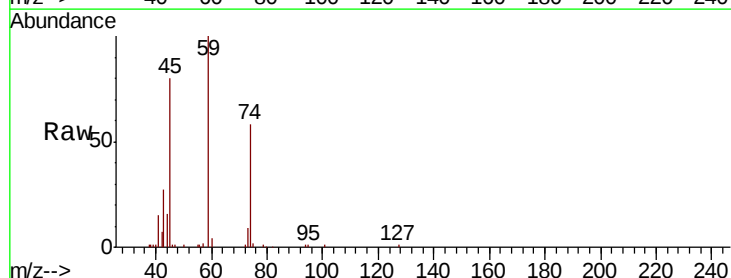
Tot Ion:101 Resp: 338238
Ion Ratio Lower Upper
101 100
103 68.9 50.6 76.0

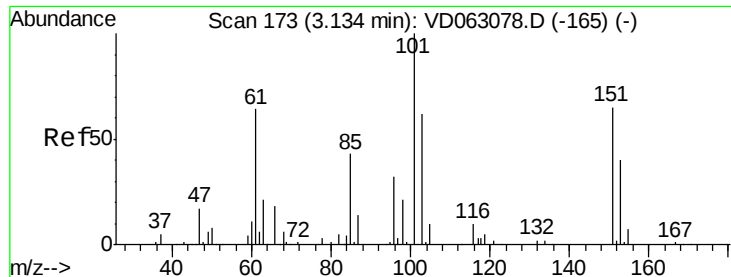


#8

Diethyl Ether
Concen: 62.751 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 74 Resp: 78144
Ion Ratio Lower Upper
74 100
45 138.8 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.638 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

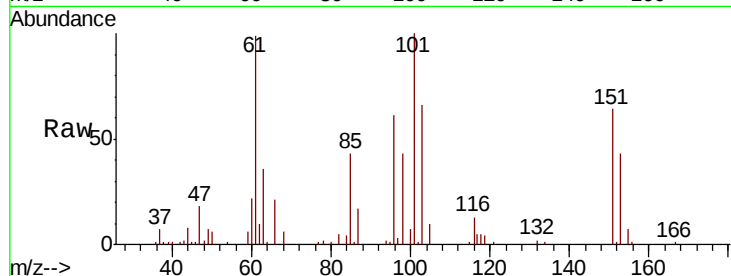
Tot Ion:101 Resp: 197235

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

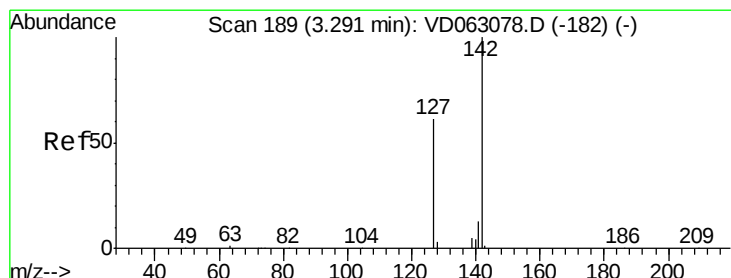
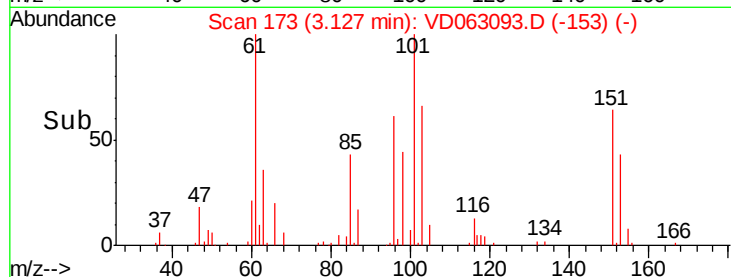
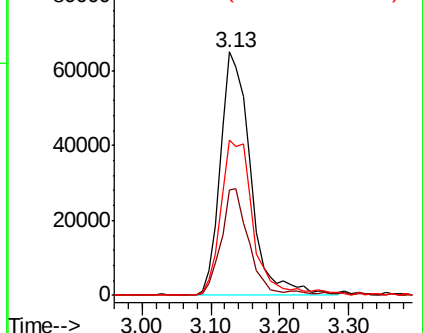
151 63.6 52.4 78.6



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: 43.497 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

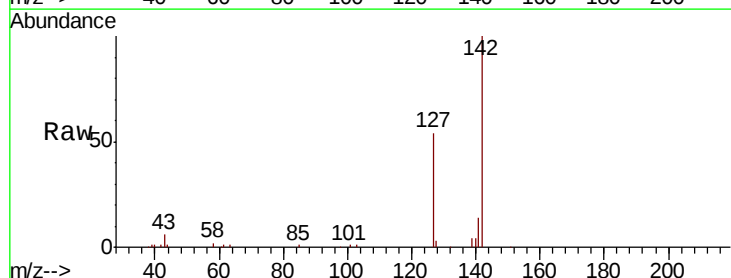
Tgt Ion:142 Resp: 272585

Ion Ratio Lower Upper

142 100

127 53.7 48.6 73.0

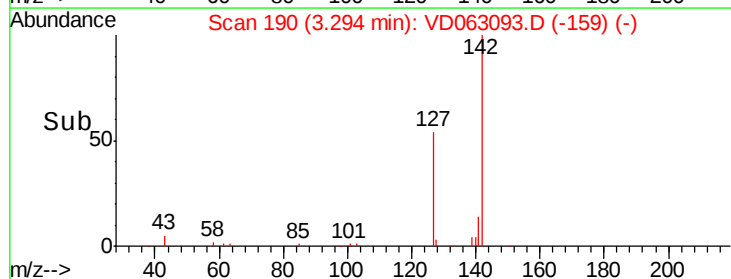
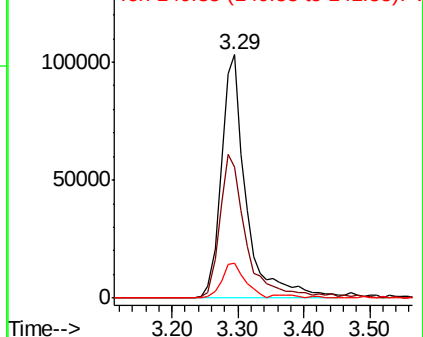
141 14.2 10.6 16.0

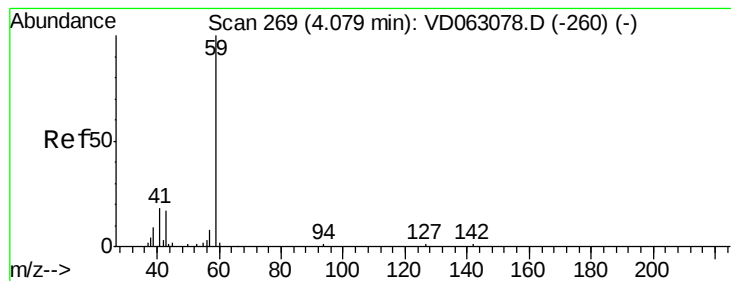


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



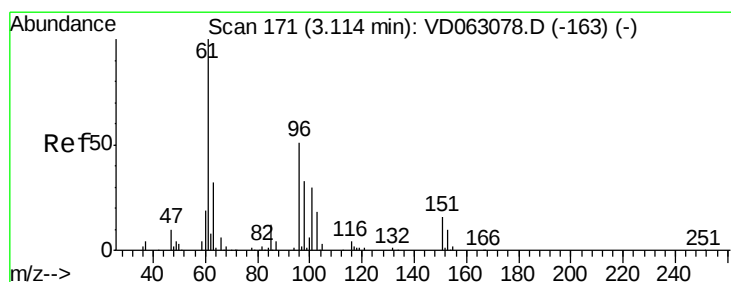
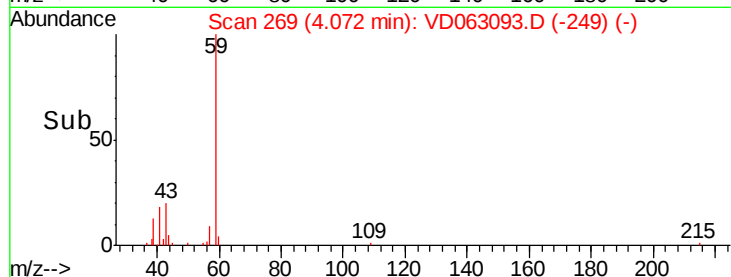
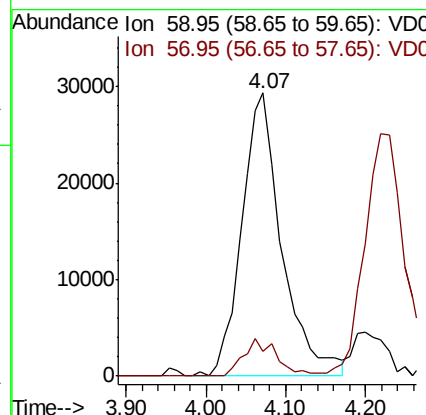
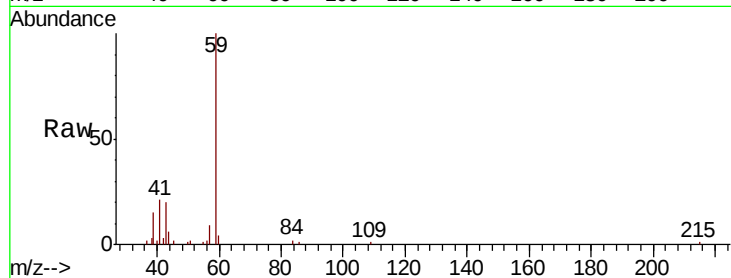


#11

Tert butyl alcohol
 Concen: 344.861 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

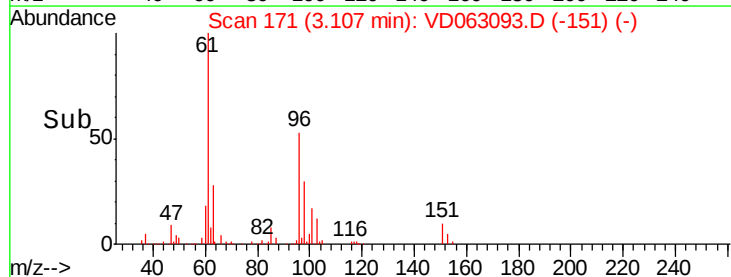
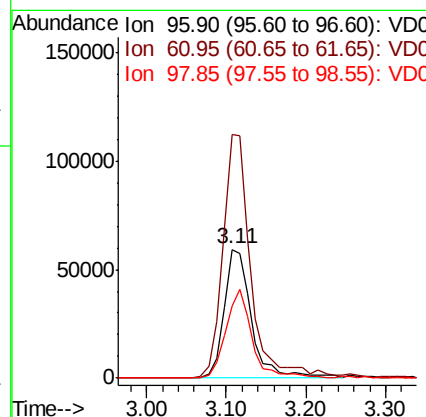
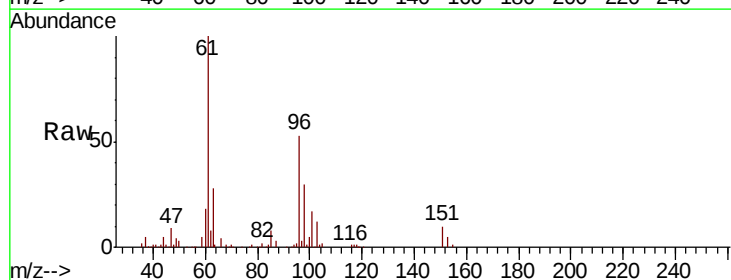
Tot Ion: 59 Resp: 101585
 Ion Ratio Lower Upper
 59 100
 57 8.8 6.4 9.6

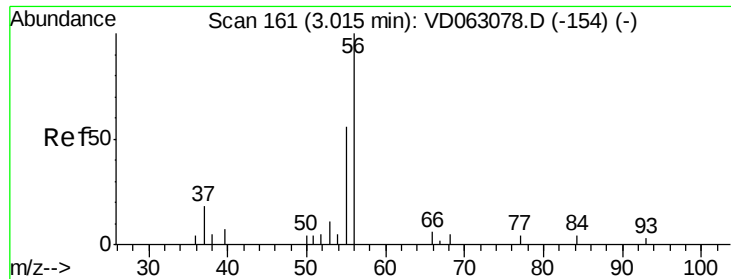


#12

1,1-Dichloroethene
 Concen: 39.647 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 96 Resp: 143716
 Ion Ratio Lower Upper
 96 100
 61 188.8 155.5 233.3
 98 55.7 51.5 77.3





#13

Acrolein

Concen: 201.293 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

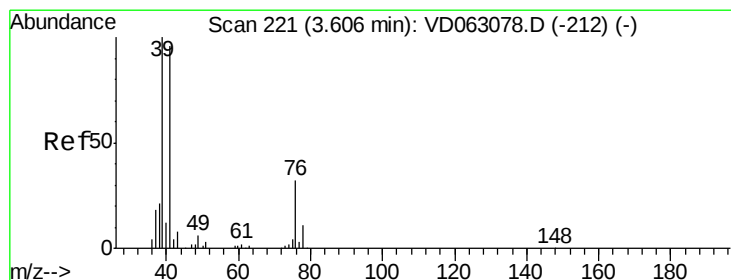
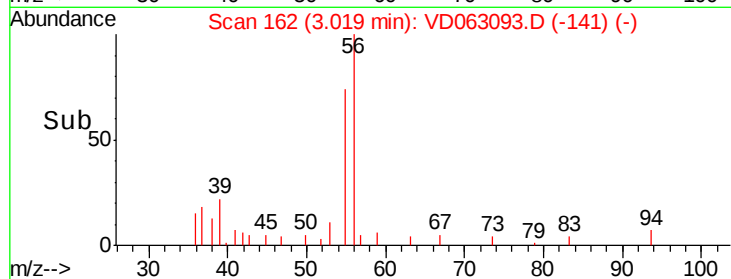
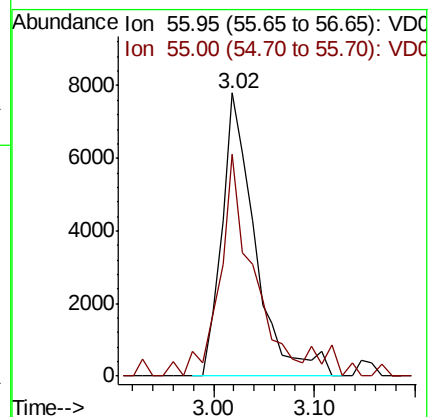
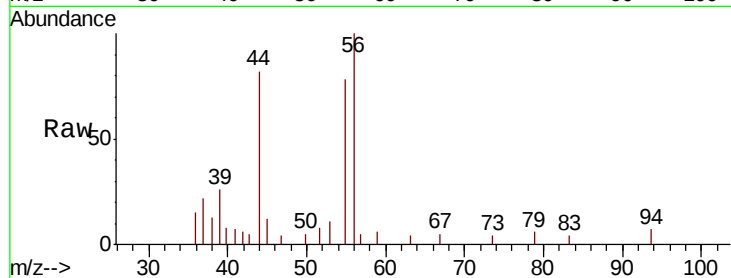
VSTDCCC050EC

Tot Ion: 56 Resp: 17896

Ion Ratio Lower Upper

56 100

55 78.5 53.0 79.4



#14

Allyl chloride

Concen: 47.880 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

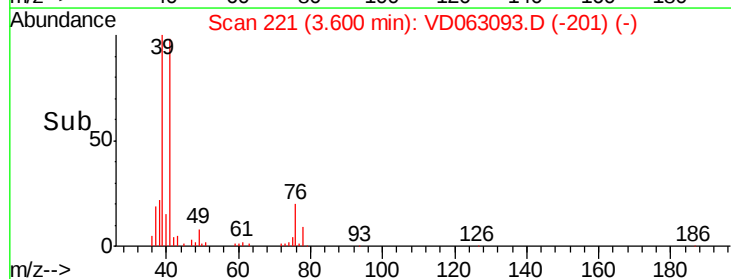
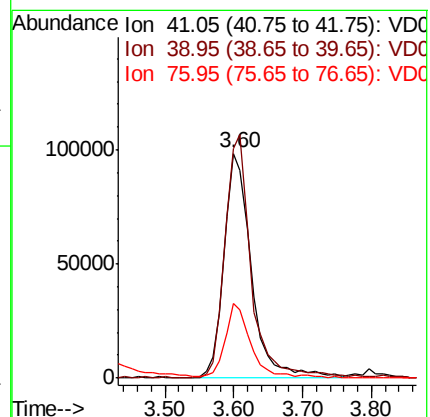
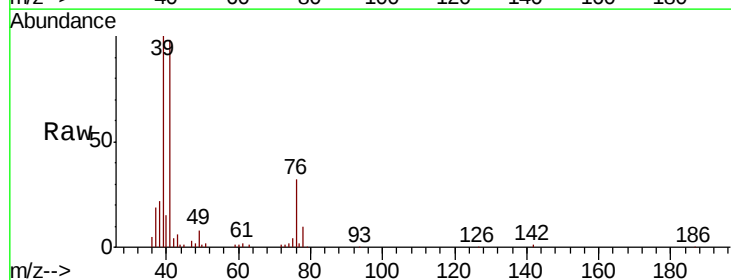
Tgt Ion: 41 Resp: 272772

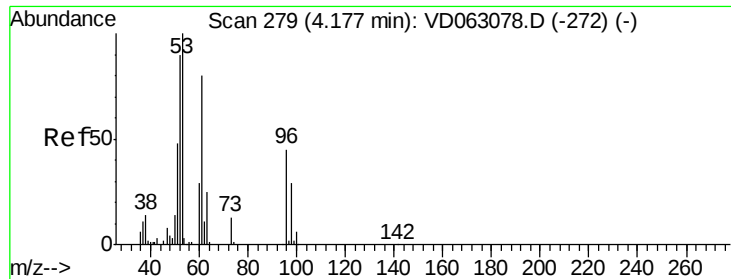
Ion Ratio Lower Upper

41 100

39 102.3 83.5 125.3

76 33.2 27.8 41.8





#15

Acrylonitrile

Concen: 345.882 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

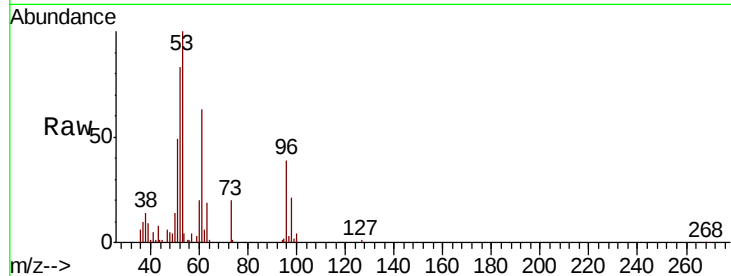
Tot Ion: 53 Resp: 225220

Ion Ratio Lower Upper

53 100

52 82.6 72.3 108.5

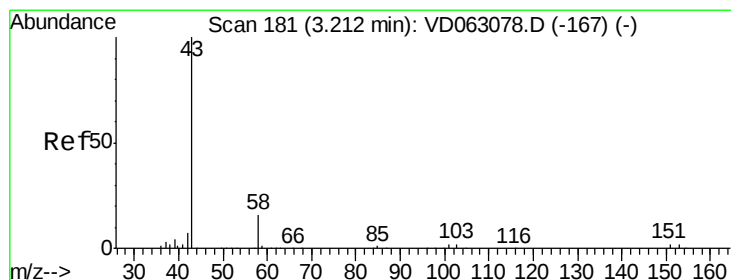
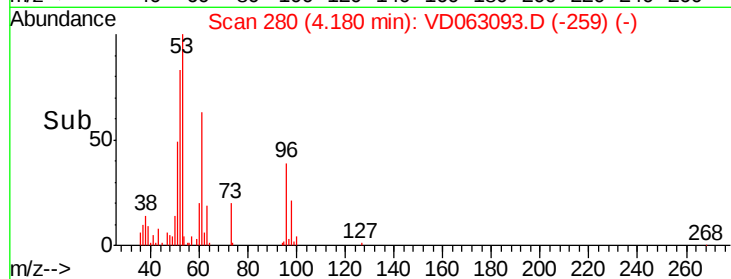
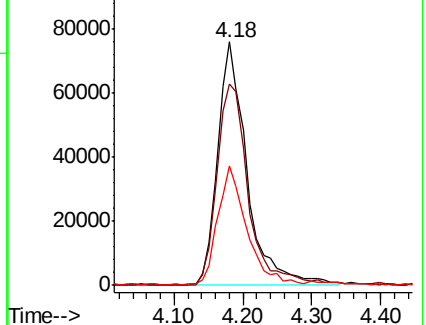
51 49.3 38.0 57.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 322.697 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063093.D

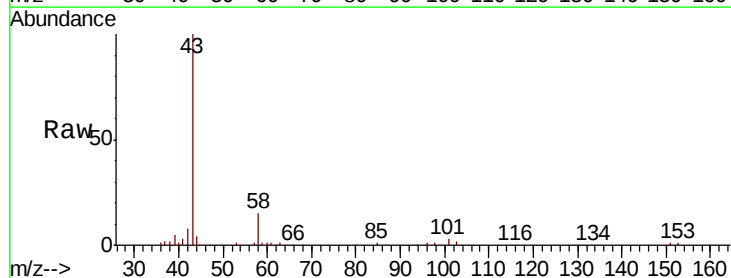
Acq: 15 Jul 2019 20:59

Tgt Ion: 43 Resp: 397824

Ion Ratio Lower Upper

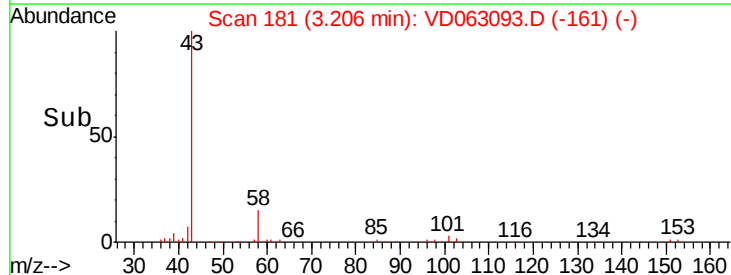
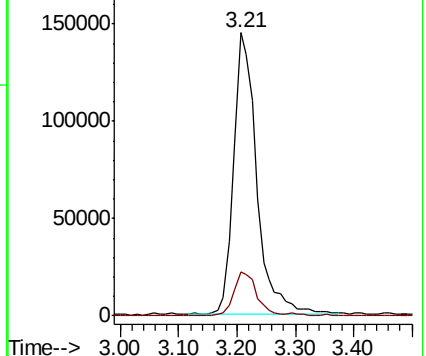
43 100

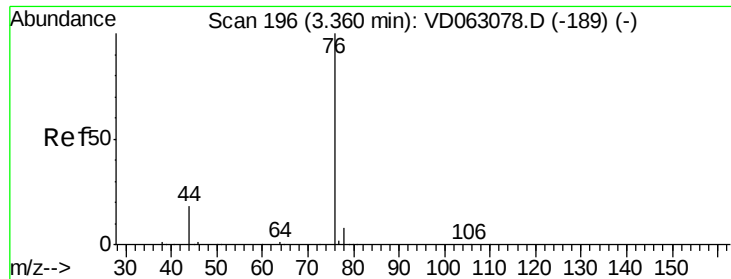
58 15.4 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

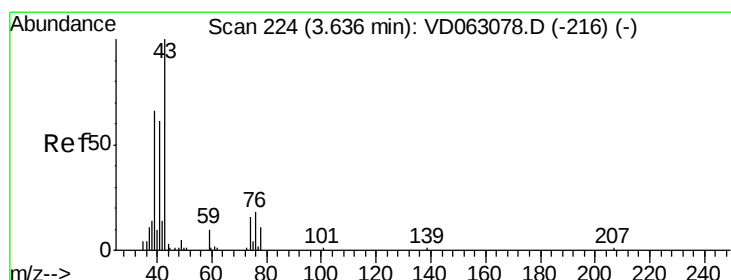
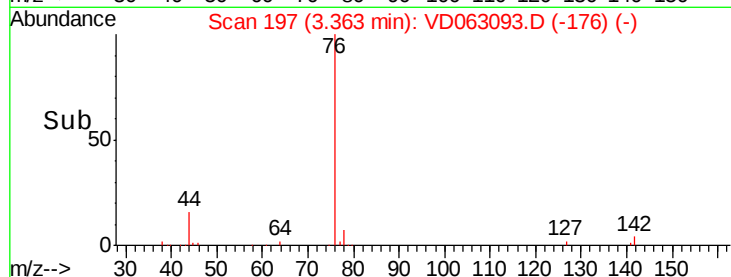
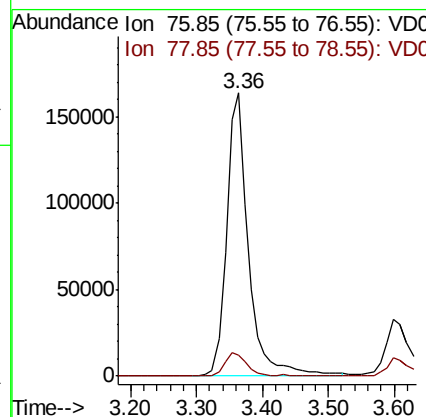
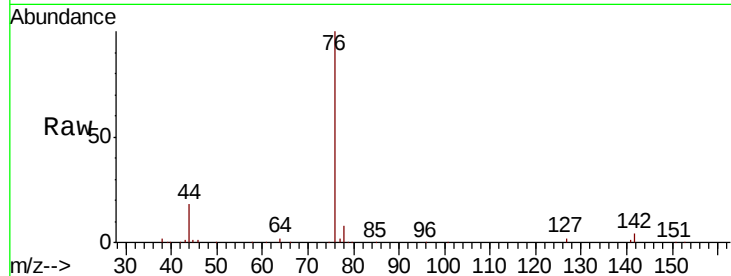




#17
Carbon Disulfide
Concen: 36.455 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

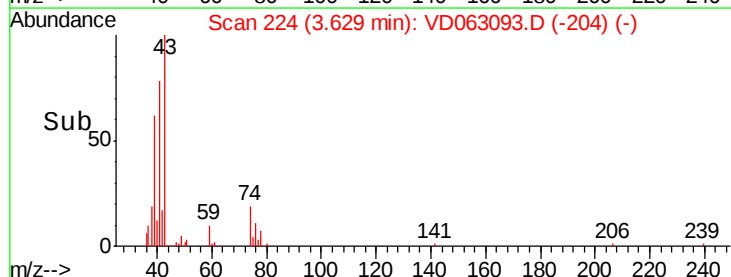
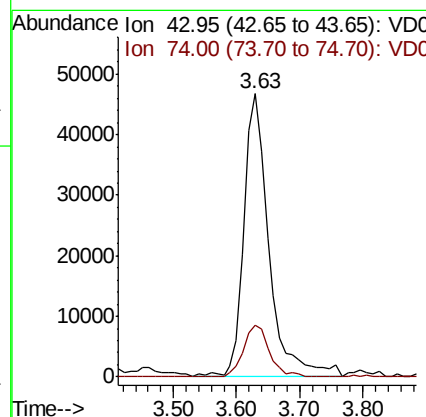
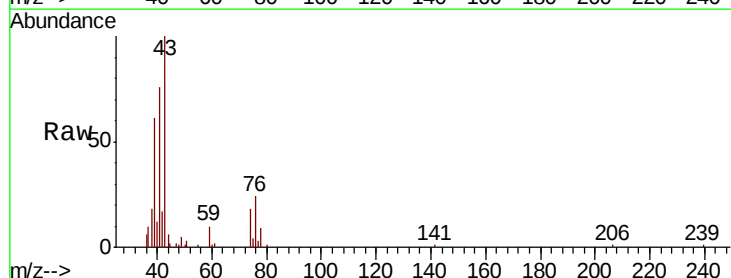
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

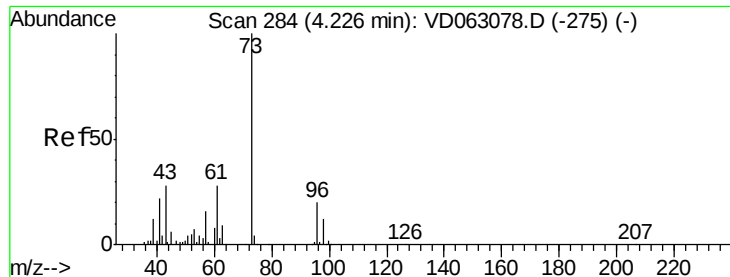
Tot Ion: 76 Resp: 378246
Ion Ratio Lower Upper
76 100
78 7.5 6.7 10.1



#18
Methyl Acetate
Concen: 77.006 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 43 Resp: 128970
Ion Ratio Lower Upper
43 100
74 18.4 12.5 18.7



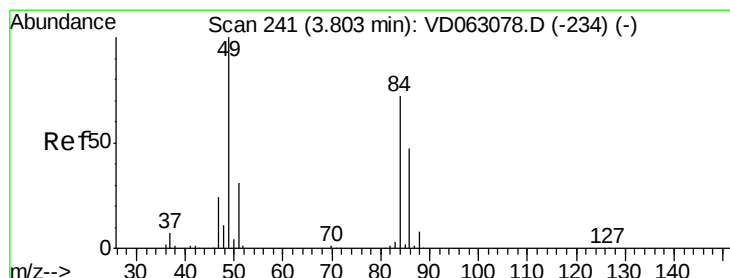
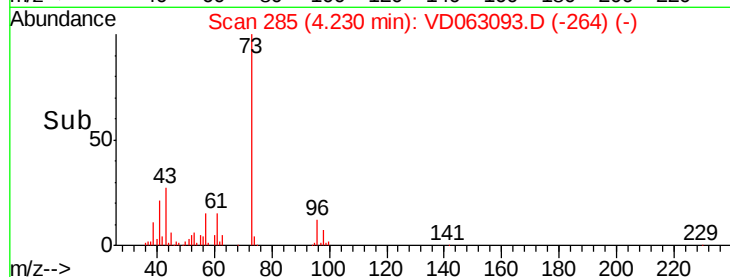
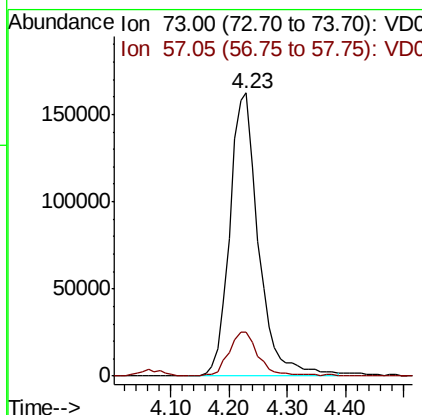
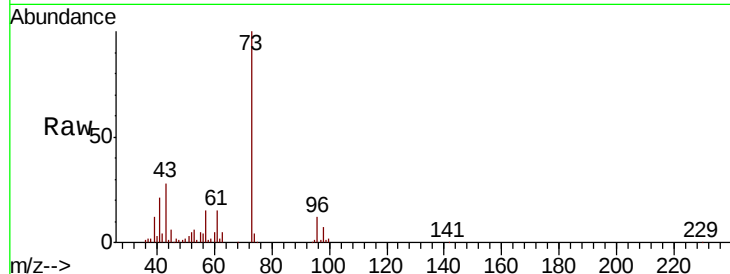


#19

Methyl tert-butyl Ether
 Concen: 60.797 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

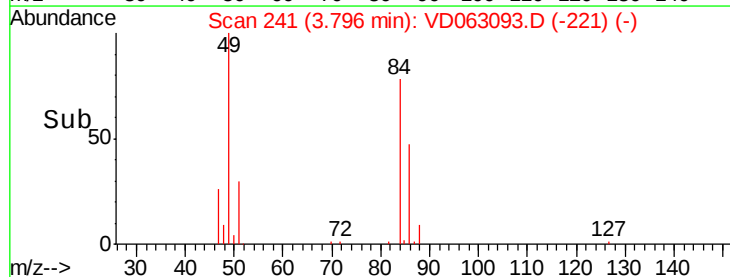
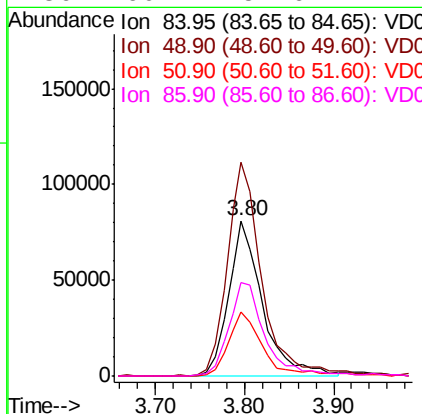
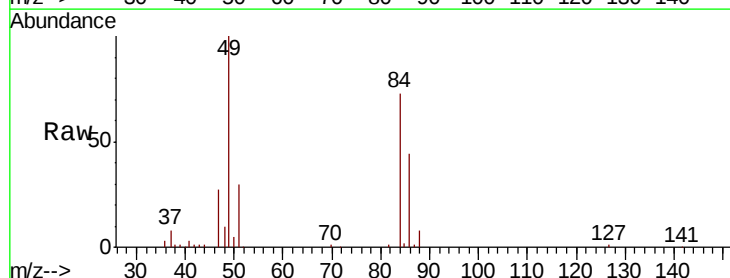
Tot Ion: 73 Resp: 556317
 Ion Ratio Lower Upper
 73 100
 57 15.4 13.1 19.7

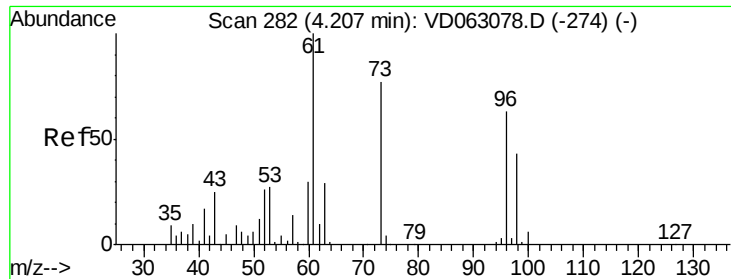


#20

Methylene Chloride
 Concen: 45.986 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 84 Resp: 214179
 Ion Ratio Lower Upper
 84 100
 49 137.4 110.5 165.7
 51 41.5 34.6 51.8
 86 60.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 45.377 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

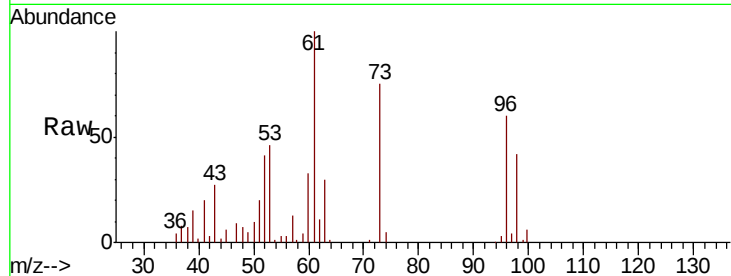
Tot Ion: 96 Resp: 182598

Ion Ratio Lower Upper

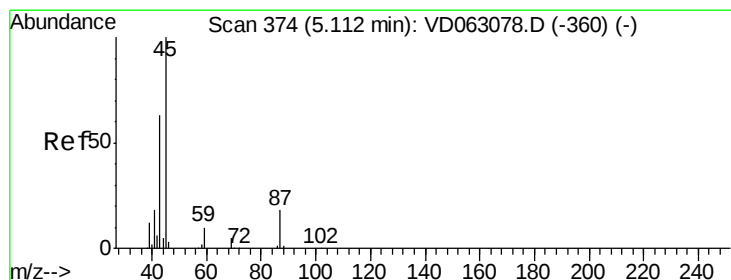
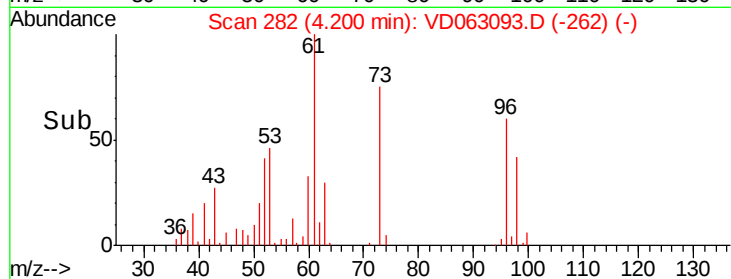
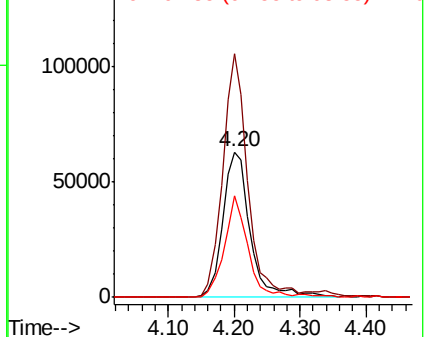
96 100

61 167.2 128.0 192.0

98 69.5 55.2 82.8



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



#22

Diisopropyl ether

Concen: 54.975 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion: 45 Resp: 680949

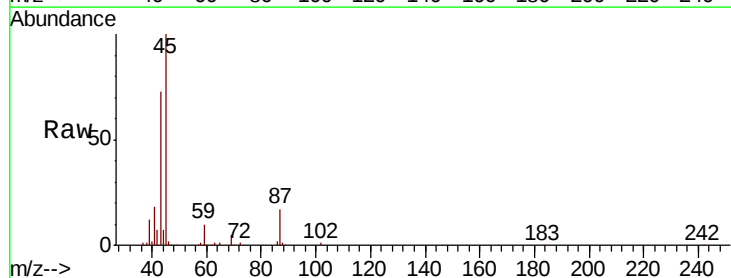
Ion Ratio Lower Upper

45 100

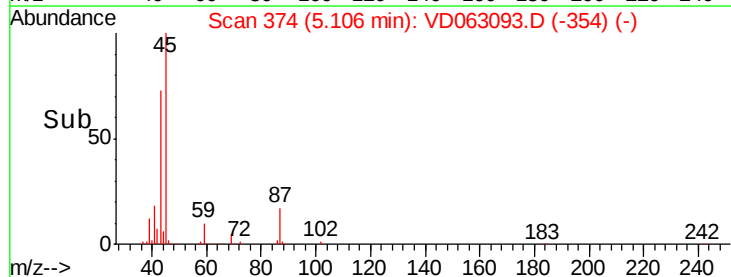
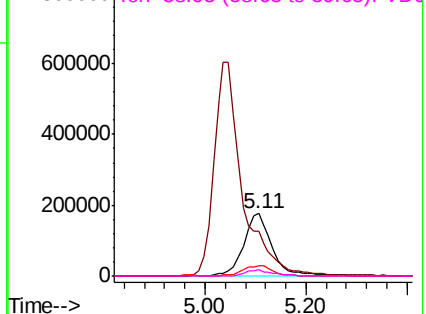
43 72.8 50.5 75.7

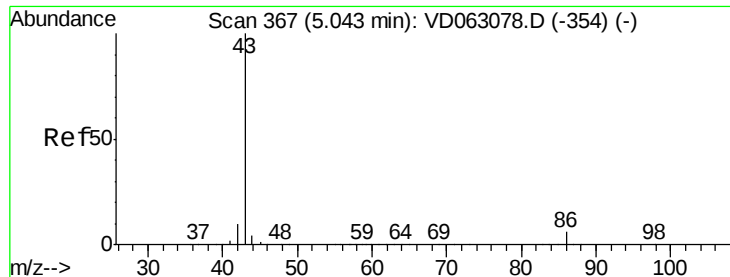
87 16.9 15.1 22.7

59 10.2 7.6 11.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 323.007 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

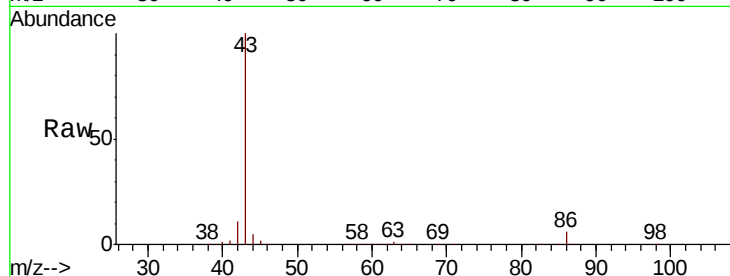
VSTDCCC050EC

Tot Ion: 43 Resp: 2334192

Ion Ratio Lower Upper

43 100

86 6.1 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

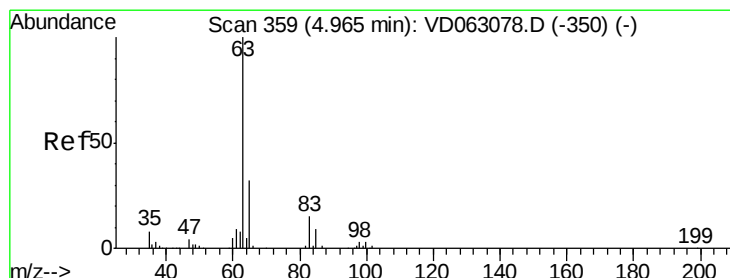
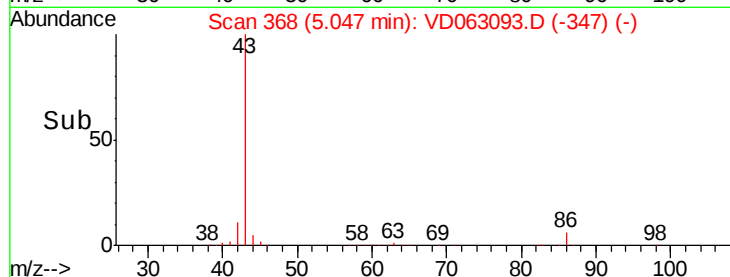
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.047 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

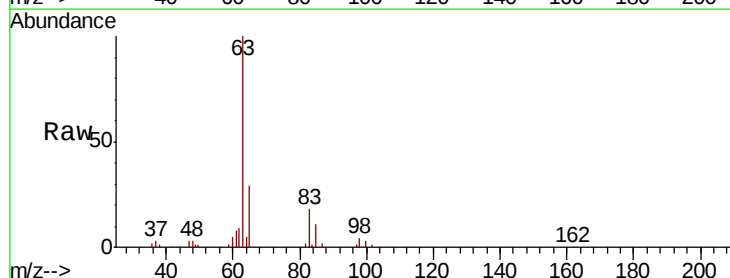
Tgt Ion: 63 Resp: 374224

Ion Ratio Lower Upper

63 100

98 4.5 1.7 5.1

100 2.6 1.5 4.5



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

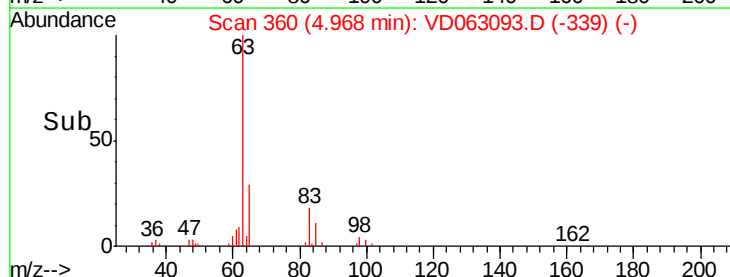
150000

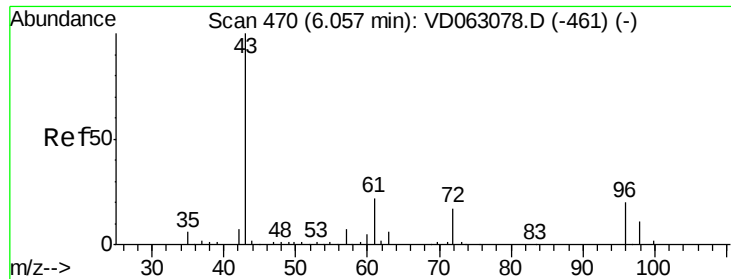
100000

50000

0

Time-->





#25

2-Butanone

Concen: 336.645 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

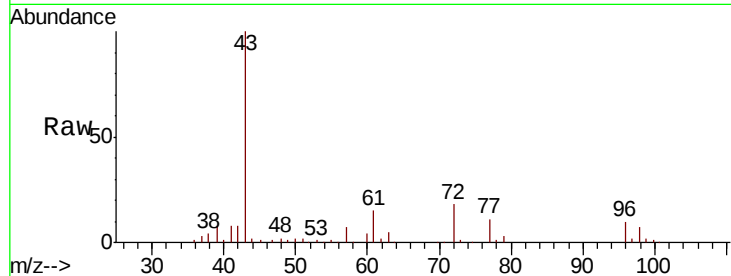
VSTDCCC050EC

Tot Ion: 43 Resp: 396310

Ion Ratio Lower Upper

43 100

72 17.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

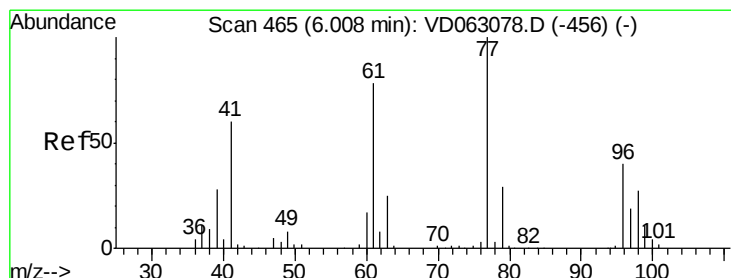
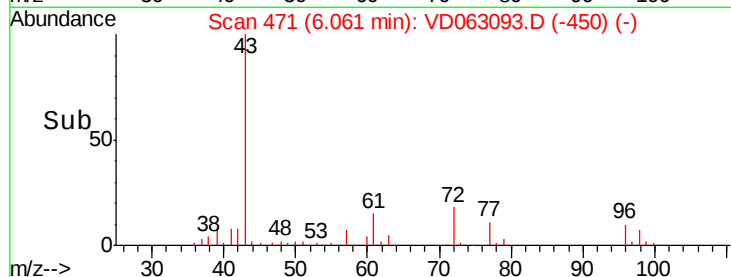
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 45.756 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063093.D

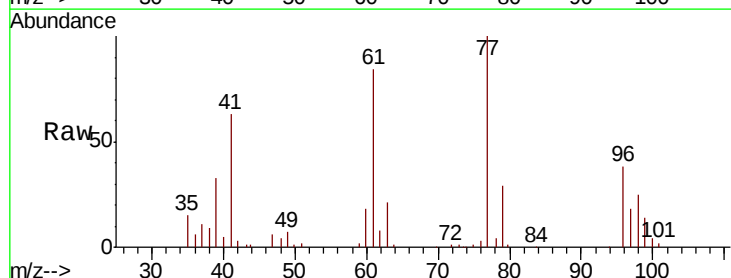
Acq: 15 Jul 2019 20:59

Tgt Ion: 77 Resp: 386374

Ion Ratio Lower Upper

77 100

97 18.1 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

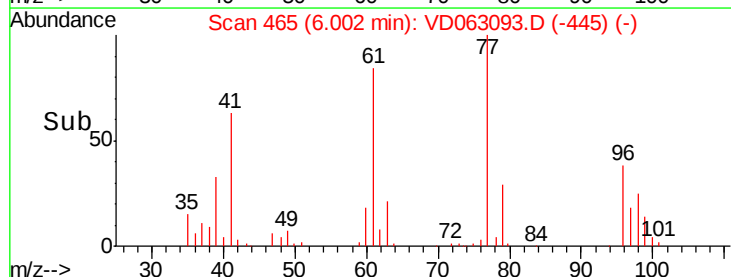
60000

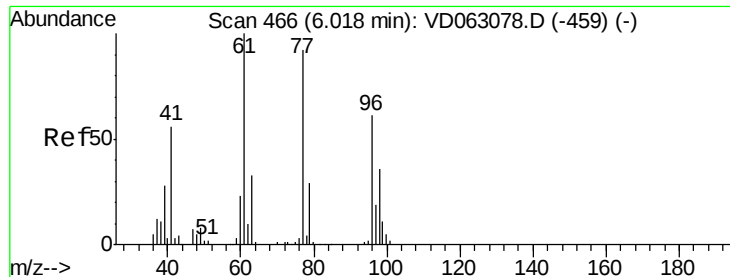
40000

20000

0

Time--> 5.90 6.00 6.10 6.20



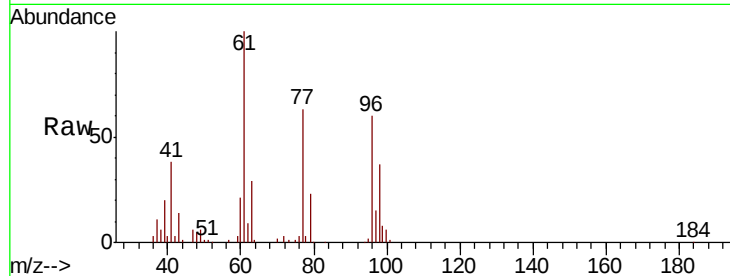


#27

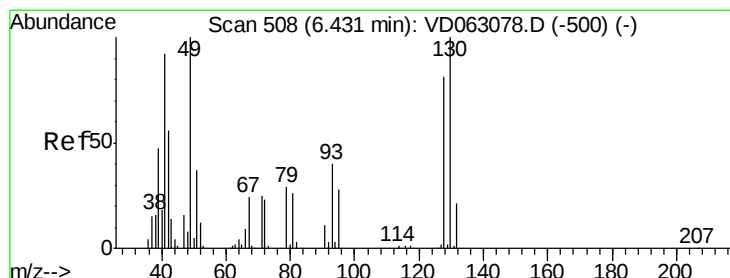
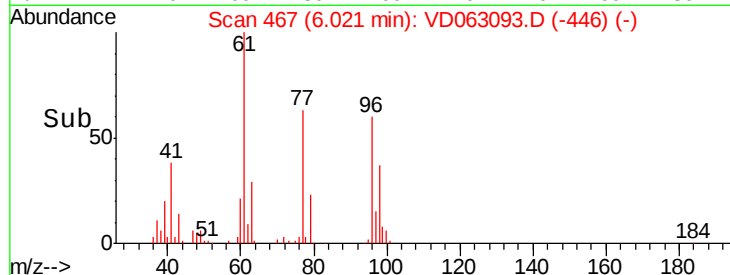
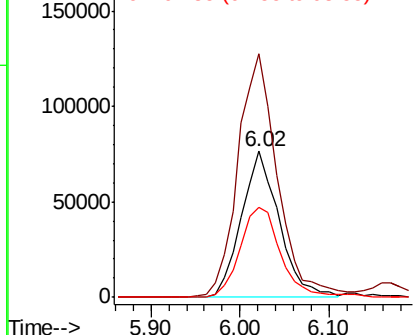
cis-1,2-Dichloroethene
Concen: 49.166 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 225058
Ion Ratio Lower Upper
96 100
61 167.0 0.0 329.6
98 61.7 0.0 118.4



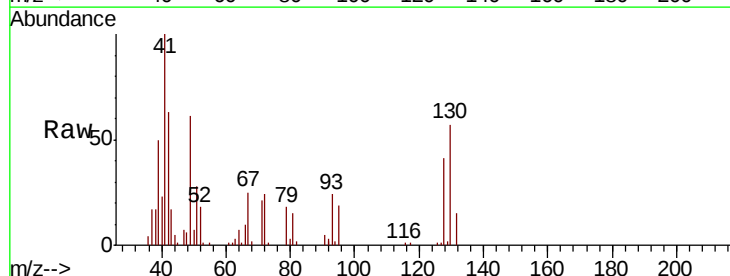
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



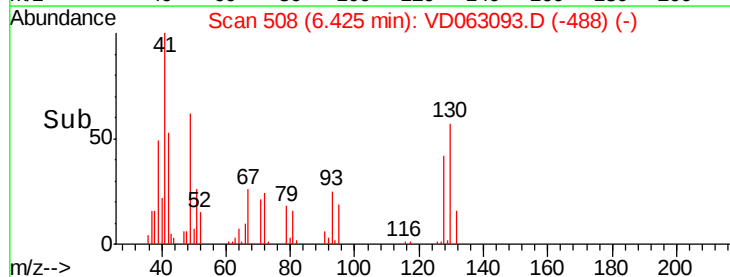
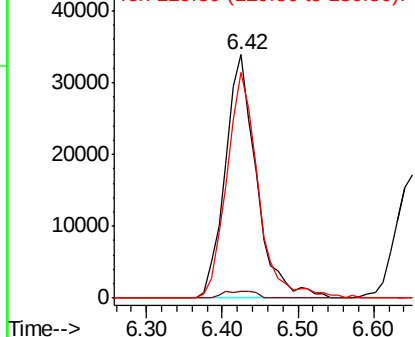
#28

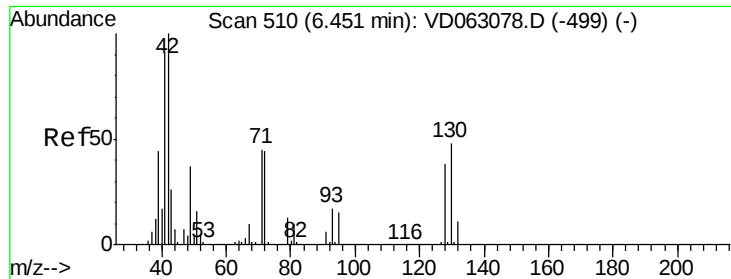
Bromochloromethane
Concen: 34.897 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 49 Resp: 96597
Ion Ratio Lower Upper
49 100
129 2.7 0.0 3.6
130 92.6 80.3 120.5



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

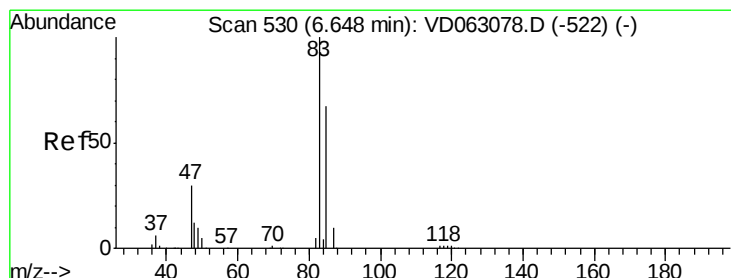
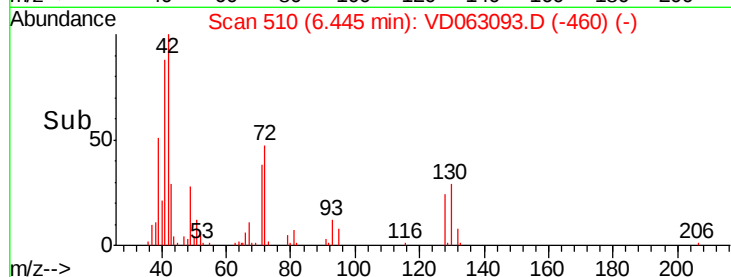
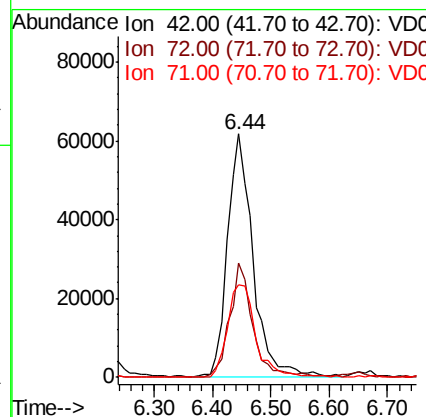
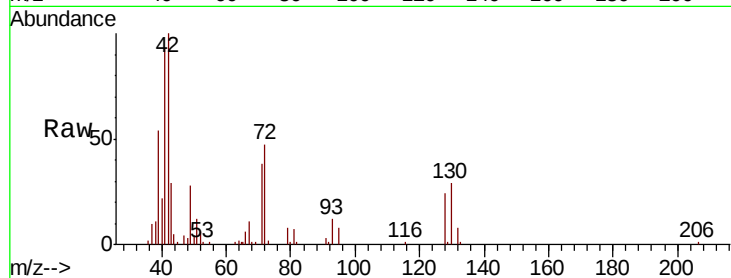




#29
Tetrahydrofuran
Concen: 352.198 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

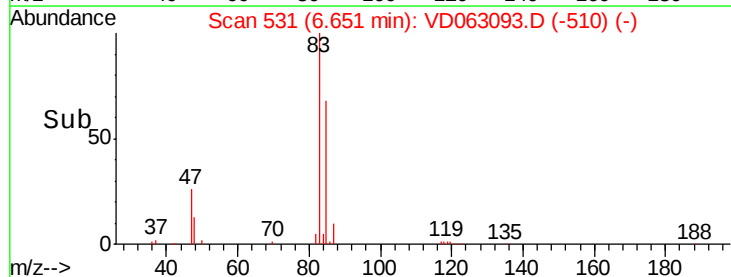
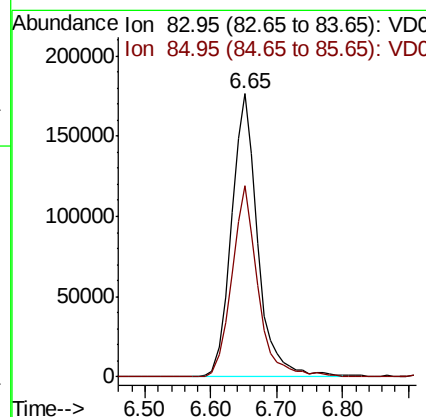
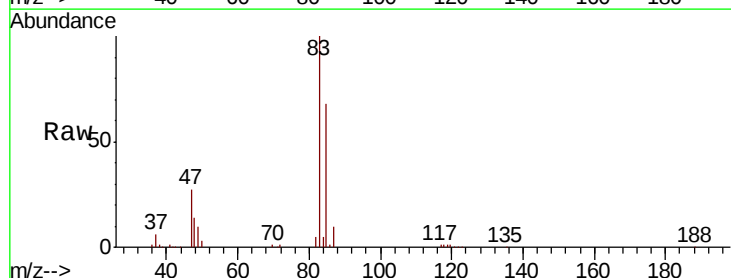
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

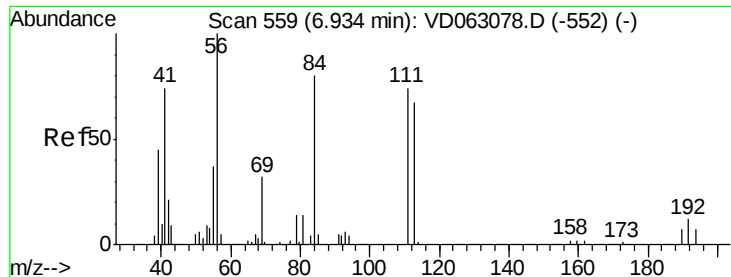
Tot Ion: 42 Resp: 187950
Ion Ratio Lower Upper
42 100
72 42.5 33.7 50.5
71 42.3 34.2 51.2



#30
Chloroform
Concen: 52.327 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 83 Resp: 491696
Ion Ratio Lower Upper
83 100
85 67.8 53.8 80.8





#31

Cyclohexane

Concen: 38.233 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

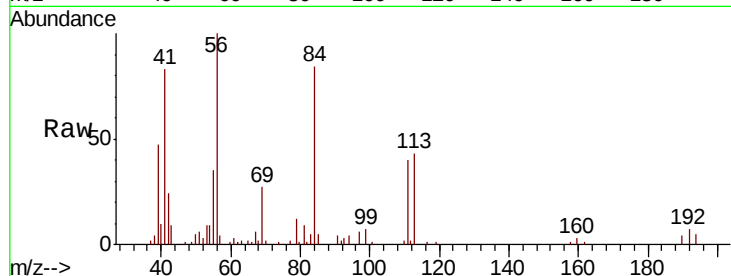
Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 185777

Ion	Ratio	Lower	Upper
56	100		
69	27.5	25.3	37.9
84	84.1	64.2	96.4



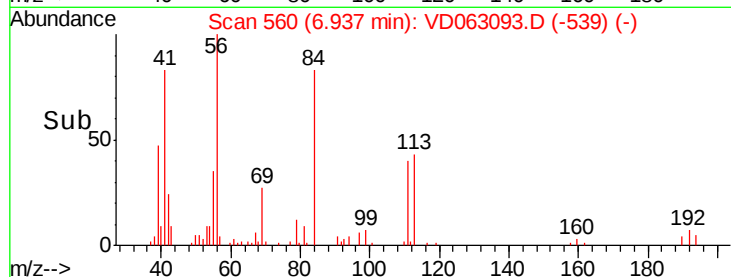
Abundance

Ion 55.95 (55.65 to 56.65): VDC

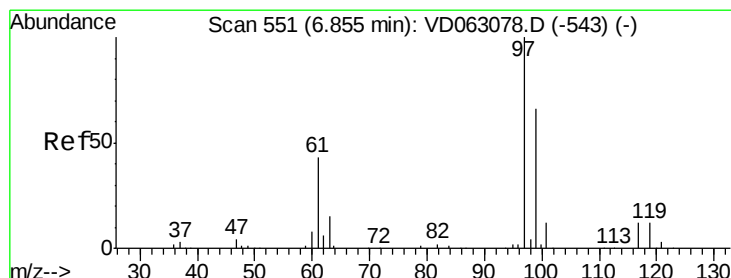
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 46.896 ug/l

RT: 6.86 min Scan# 552

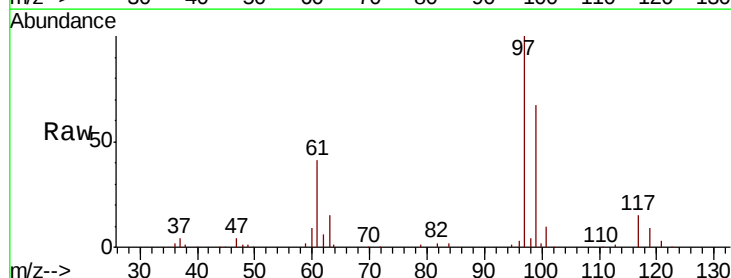
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion: 97 Resp: 434538

Ion	Ratio	Lower	Upper
97	100		
99	66.7	52.9	79.3
61	41.5	34.4	51.6



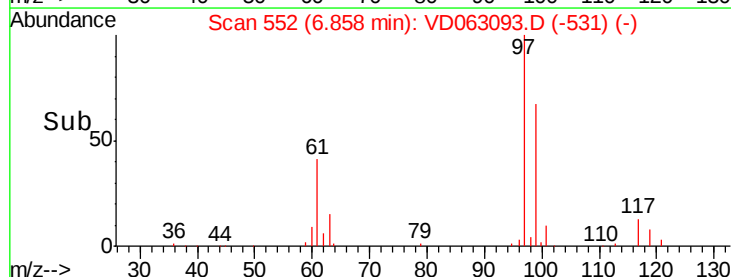
Abundance

Ion 96.85 (96.55 to 97.55): VDC

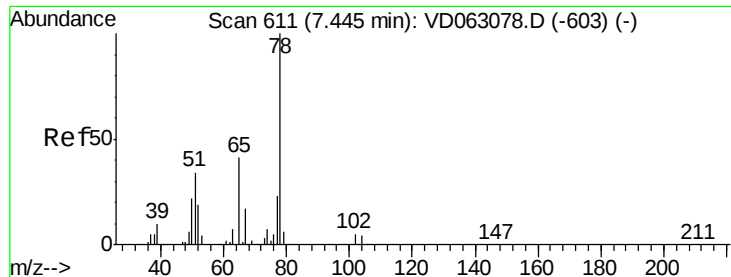
Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.400 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

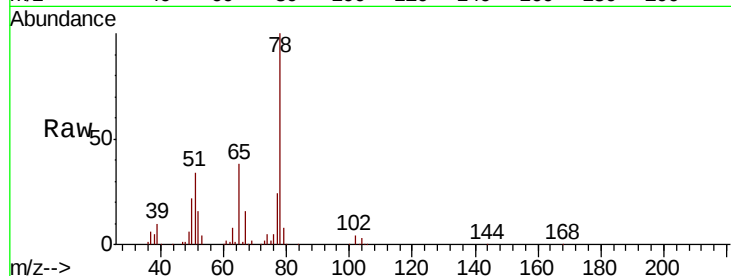
VSTDCCC050EC

Tot Ion: 65 Resp: 226624

Ion Ratio Lower Upper

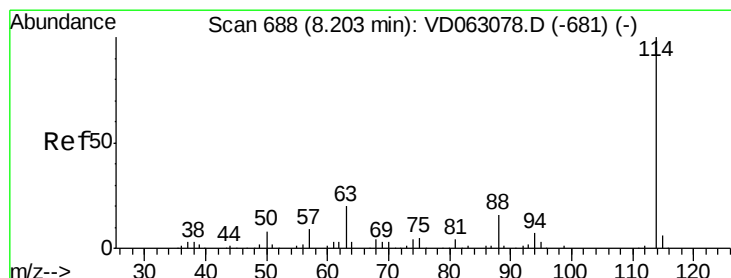
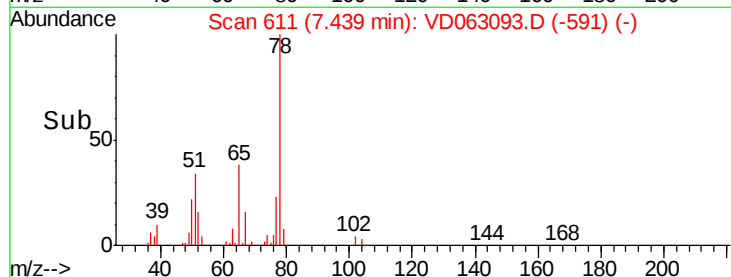
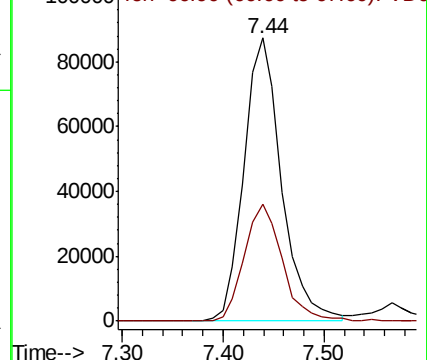
65 100

67 41.4 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

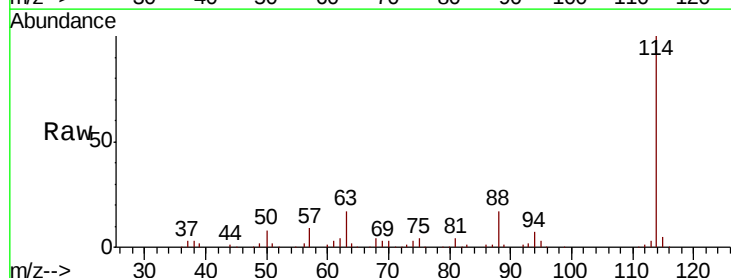
Tgt Ion: 114 Resp: 580651

Ion Ratio Lower Upper

114 100

63 17.4 0.0 40.6

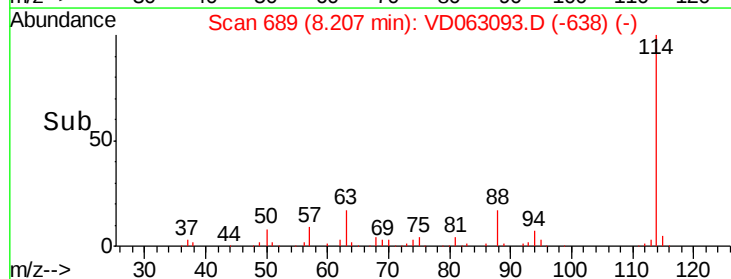
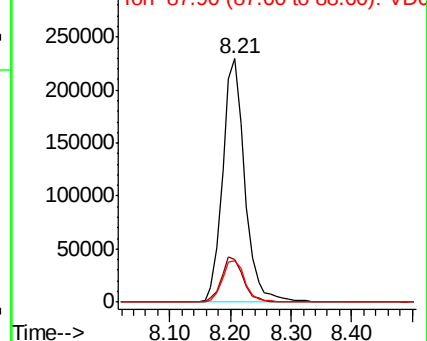
88 16.9 0.0 32.6

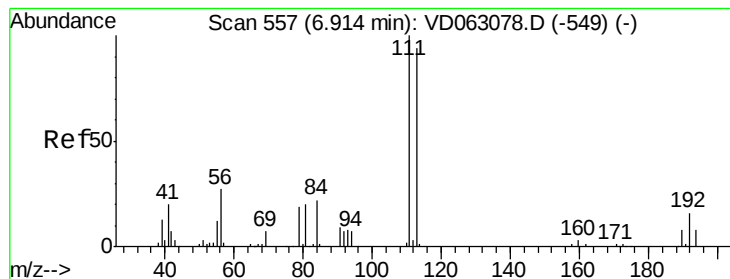


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 36.976 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

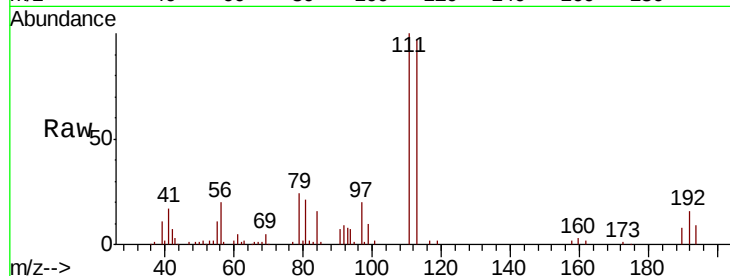
Tot Ion:113 Resp: 213850

Ion Ratio Lower Upper

113 100

111 102.8 84.8 127.2

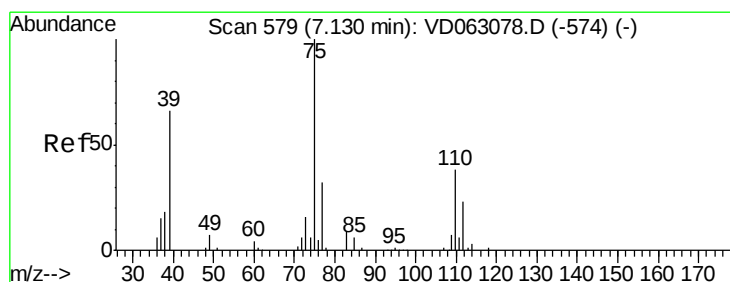
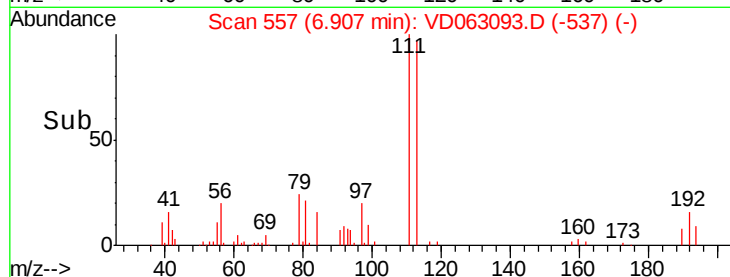
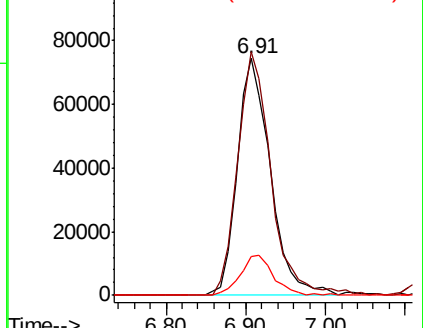
192 16.4 13.4 20.0



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: 41.821 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

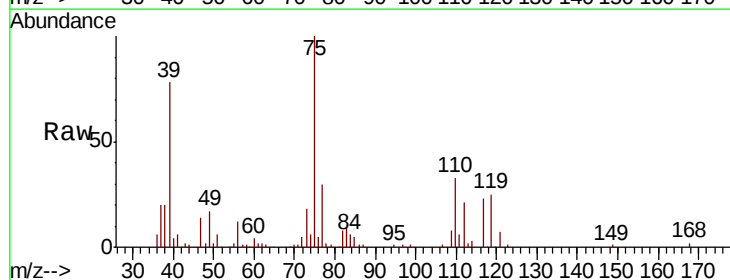
Tgt Ion: 75 Resp: 273112

Ion Ratio Lower Upper

75 100

110 33.1 18.9 56.5

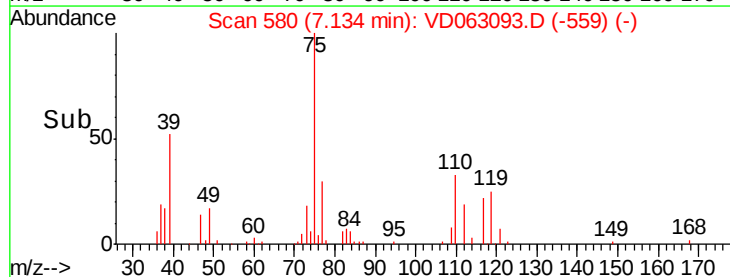
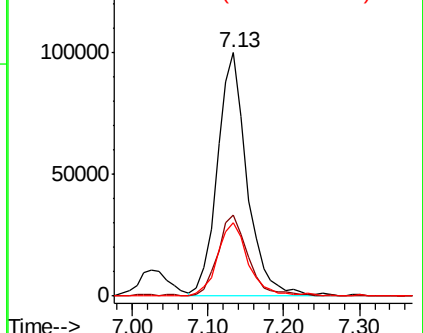
77 30.2 25.2 37.8

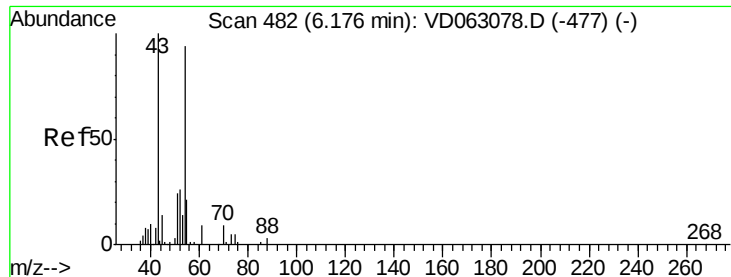


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

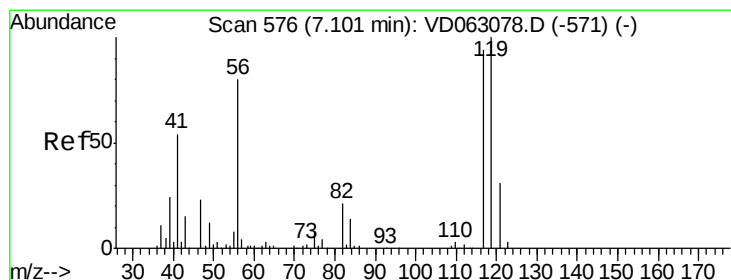
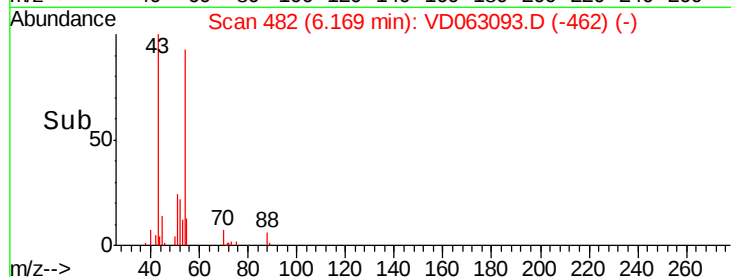
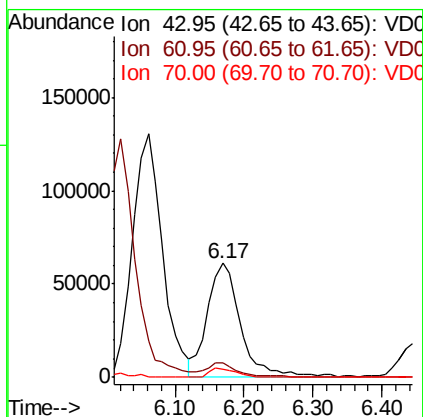
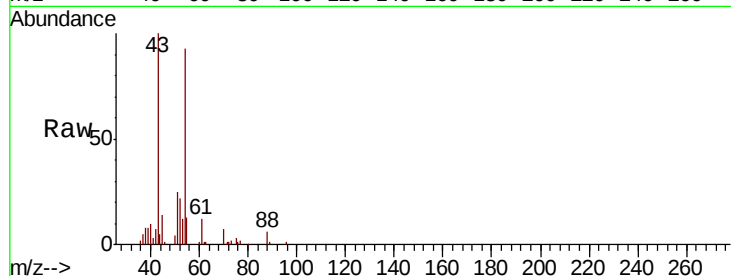




#37
Ethyl Acetate
Concen: 71.687 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

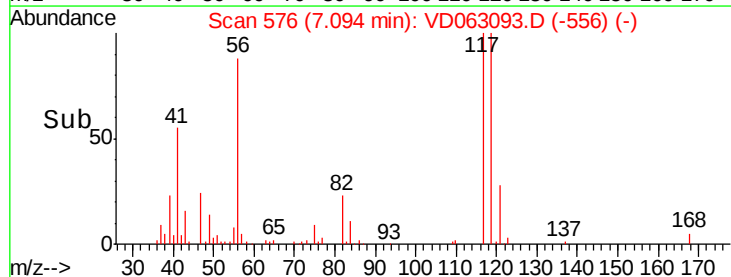
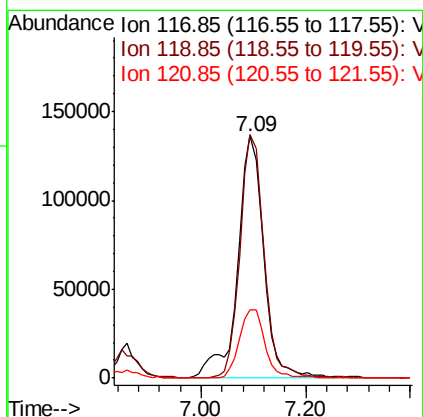
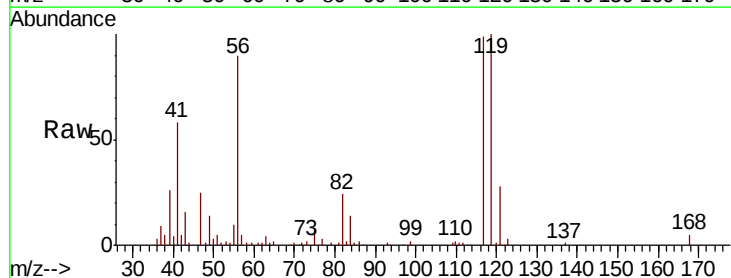
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

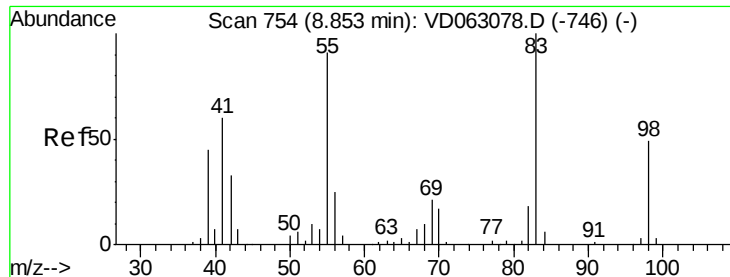
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	16.0
70	7.0	6.6	9.8



#38
Carbon Tetrachloride
Concen: 45.657 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	80.0	120.0
121	28.0	25.0	37.4

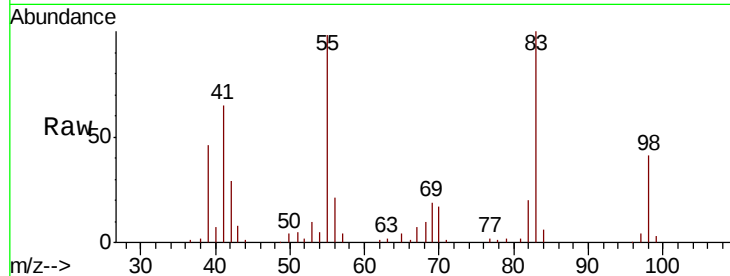




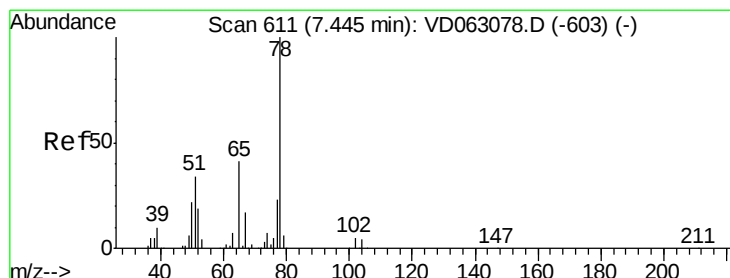
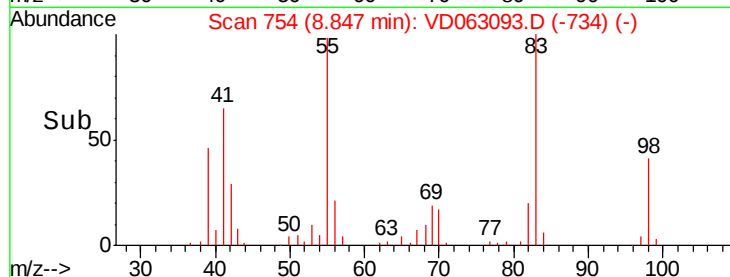
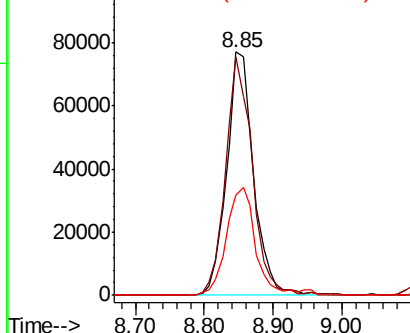
#39
Methvlcvclohexane
Concen: 36.925 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 208475
Ion Ratio Lower Upper
83 100
55 98.2 73.0 109.4
98 41.0 39.4 59.0

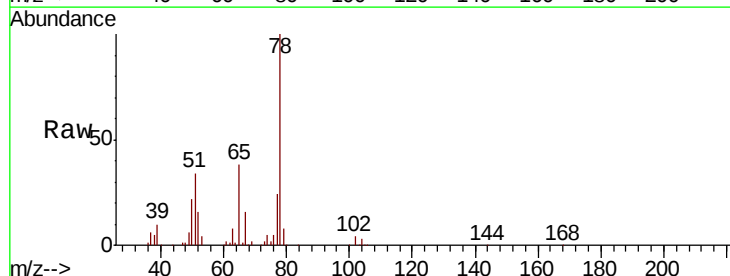


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

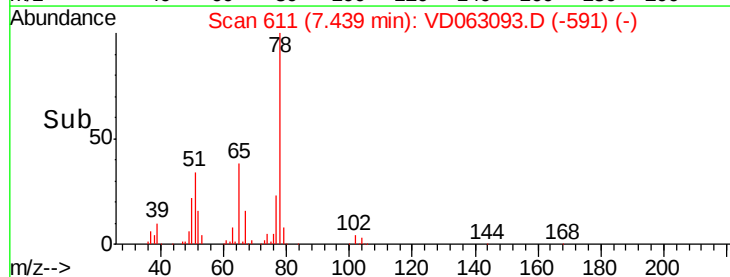
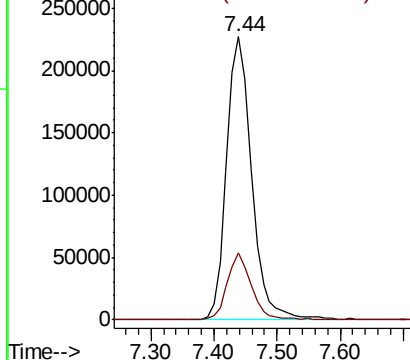


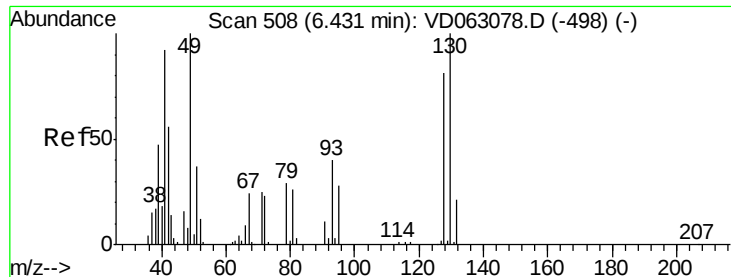
#40
Benzene
Concen: 45.899 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 78 Resp: 627787
Ion Ratio Lower Upper
78 100
77 23.8 18.1 27.1



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





#41

Methacrylonitrile

Concen: 62.702 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 237590

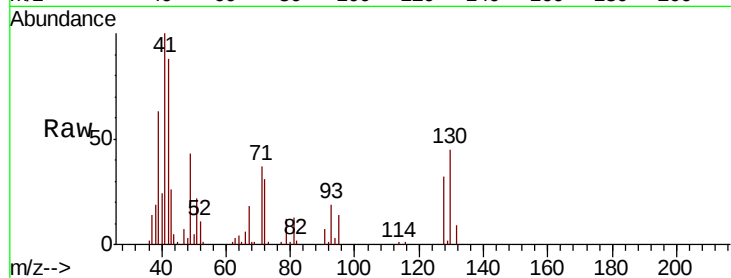
Ion Ratio Lower Upper

41 100

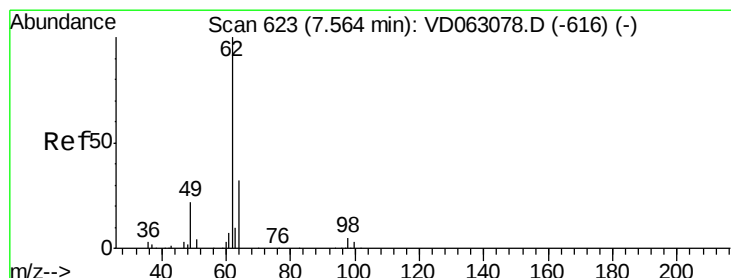
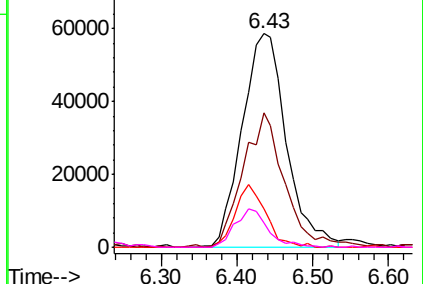
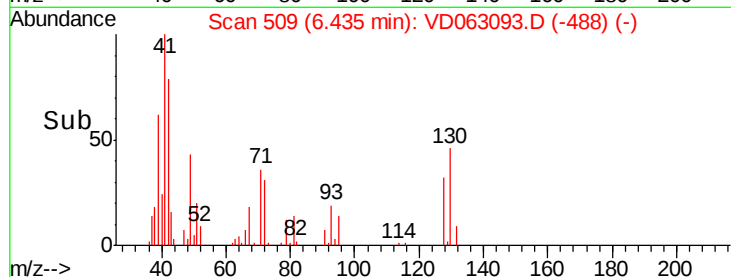
39 62.9 41.0 61.6#

67 17.8 21.3 31.9#

52 11.2 10.5 15.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.363 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063093.D

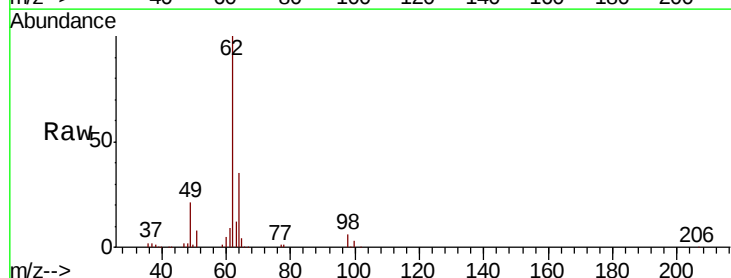
Acq: 15 Jul 2019 20:59

Tgt Ion: 62 Resp: 417999

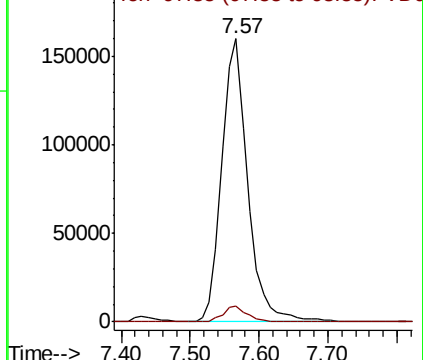
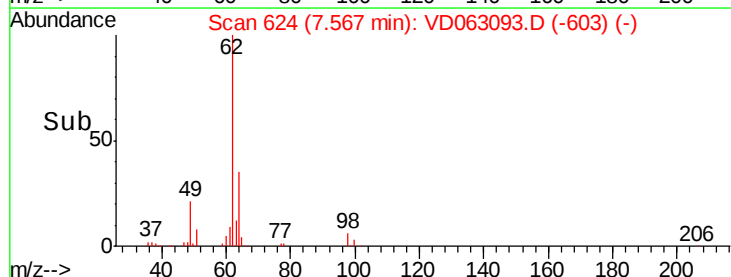
Ion Ratio Lower Upper

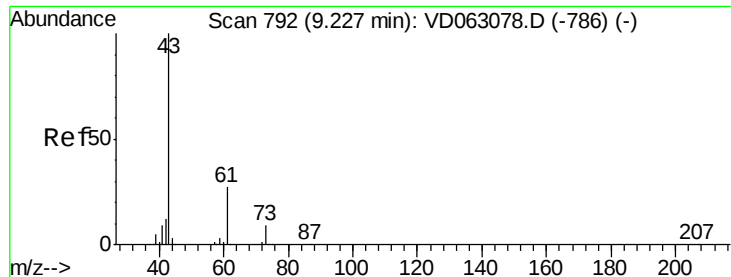
62 100

98 5.7 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 63.720 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

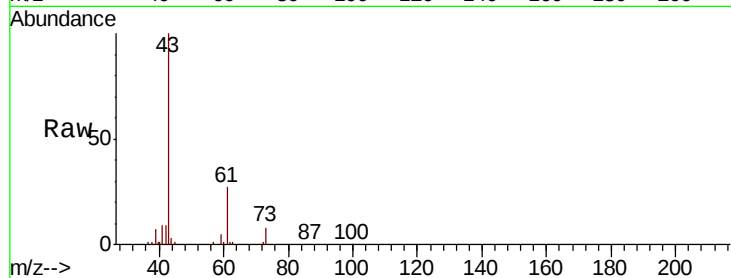
Tot Ion: 43 Resp: 255266

Ion Ratio Lower Upper

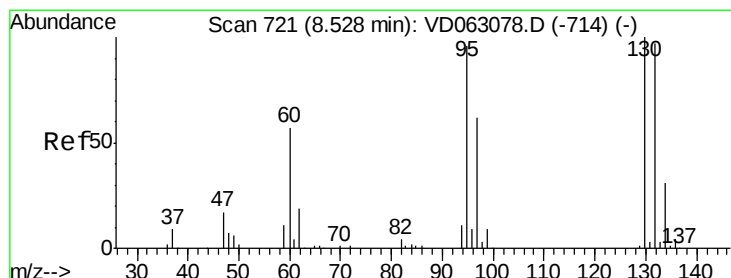
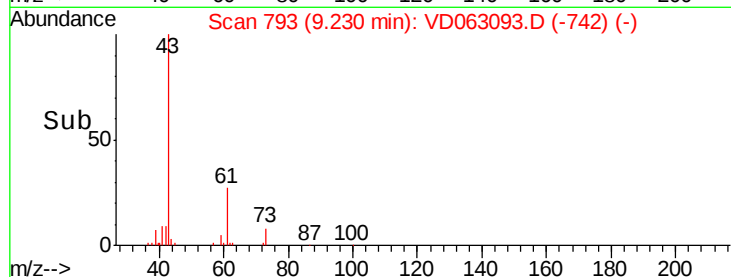
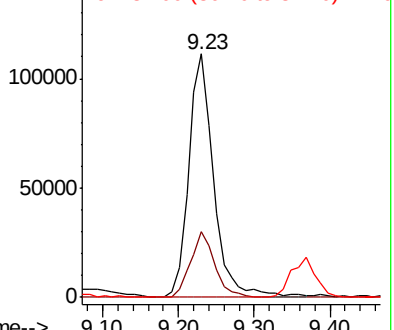
43 100

61 27.2 21.7 32.5

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 46.235 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063093.D

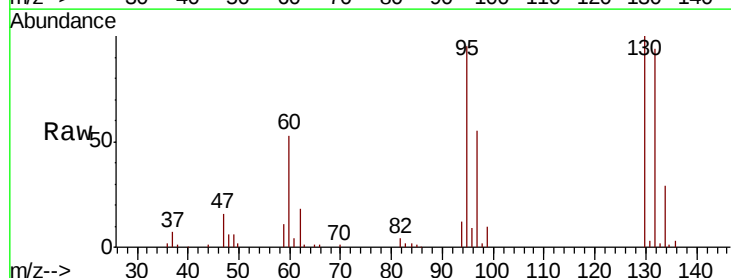
Acq: 15 Jul 2019 20:59

Tgt Ion: 130 Resp: 244393

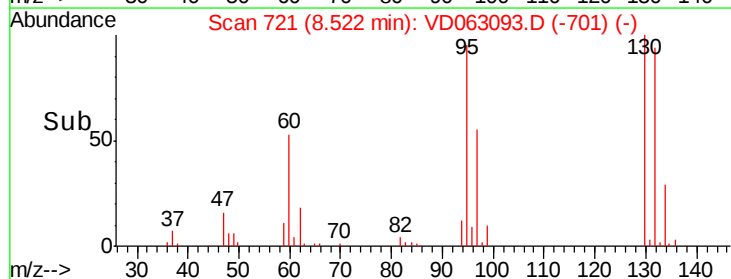
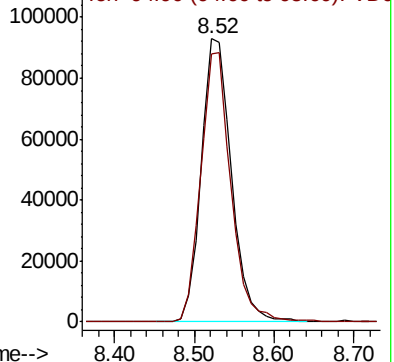
Ion Ratio Lower Upper

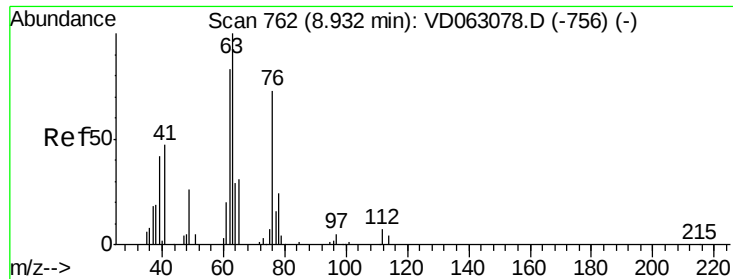
130 100

95 94.8 0.0 191.4



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

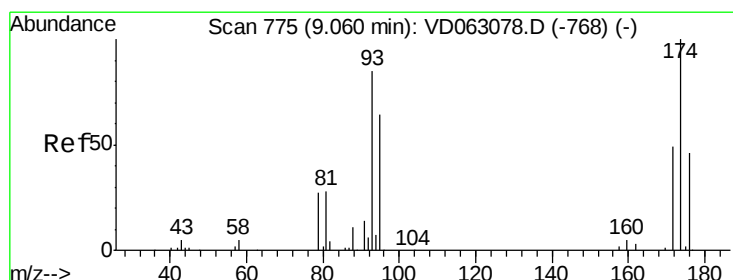
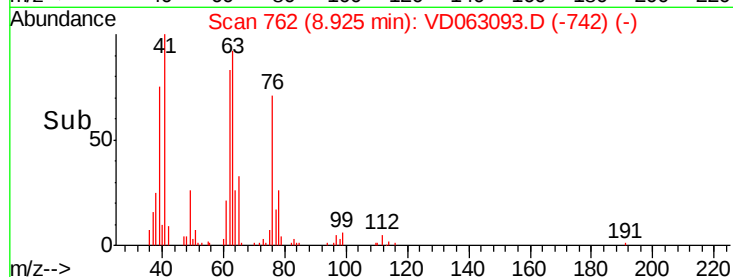
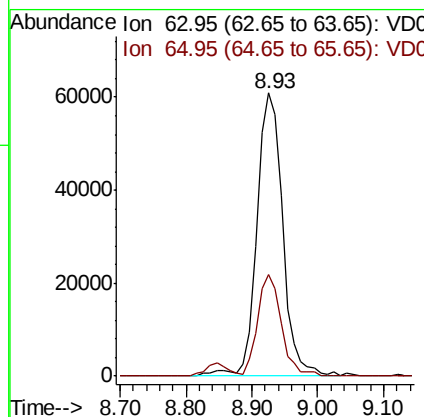
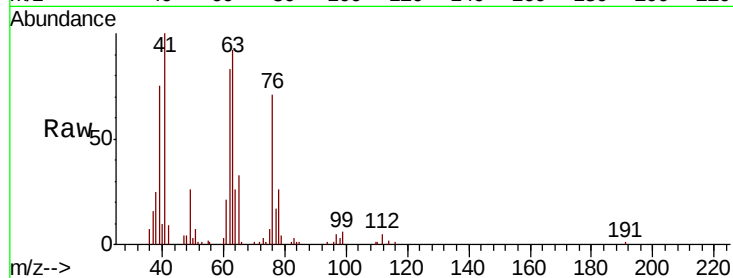




#45
 1,2-Dichloropropane
 Concen: 49.200 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

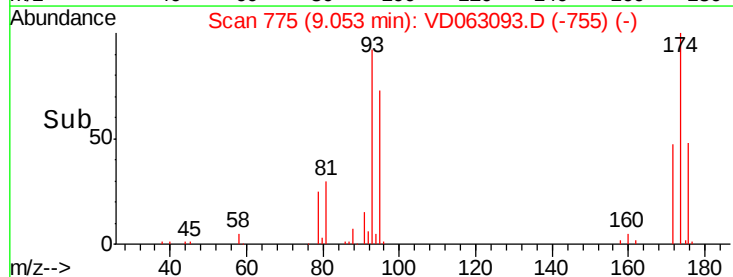
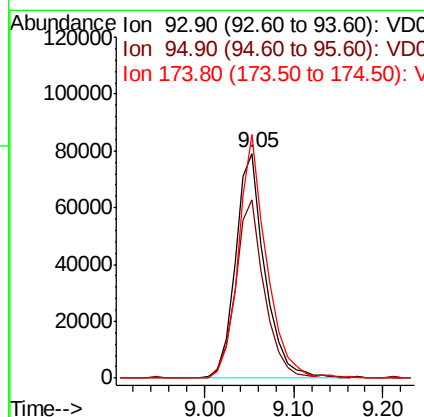
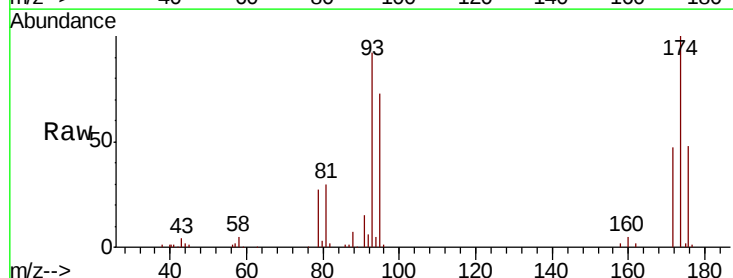
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

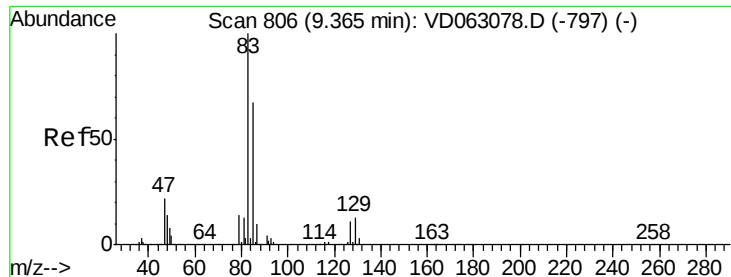
Tot Ion: 63 Resp: 167777
 Ion Ratio Lower Upper
 63 100
 65 36.0 26.3 39.5



#46
 Dibromomethane
 Concen: 61.711 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 93 Resp: 180837
 Ion Ratio Lower Upper
 93 100
 95 79.4 59.7 89.5
 174 108.4 93.9 140.9





#47

Bromodichloromethane

Concen: 56.522 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

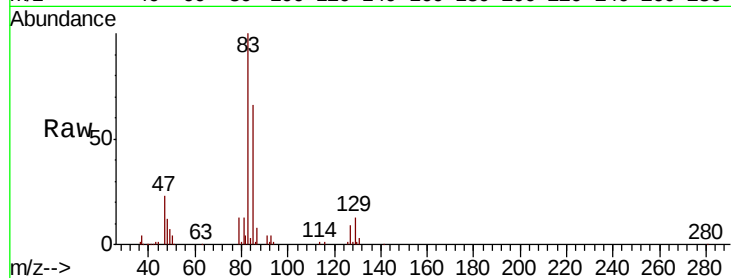
Tot Ion: 83 Resp: 432217

Ion Ratio Lower Upper

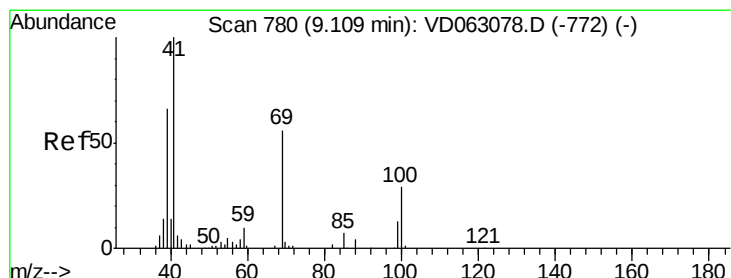
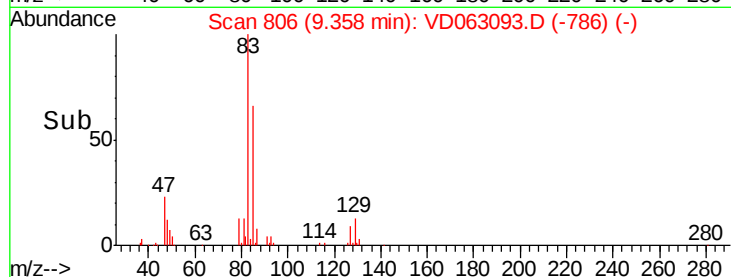
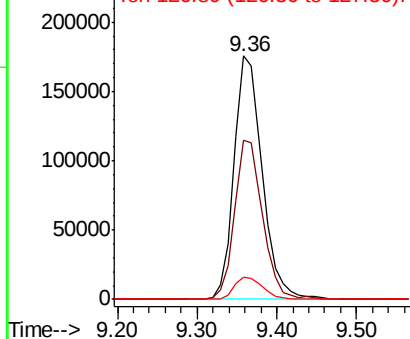
83 100

85 65.5 53.7 80.5

127 9.0 9.0 13.6#



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



#48

Methyl methacrylate

Concen: 65.916 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

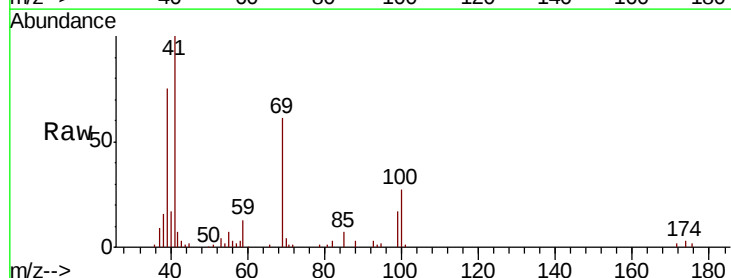
Tgt Ion: 41 Resp: 173409

Ion Ratio Lower Upper

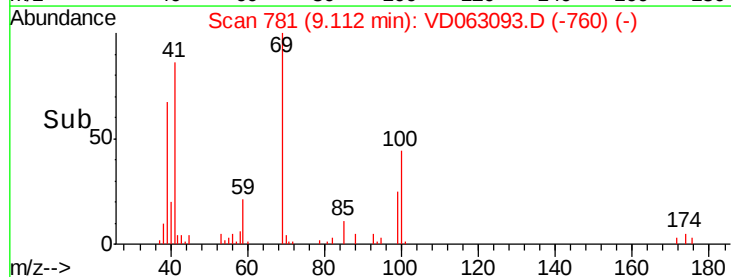
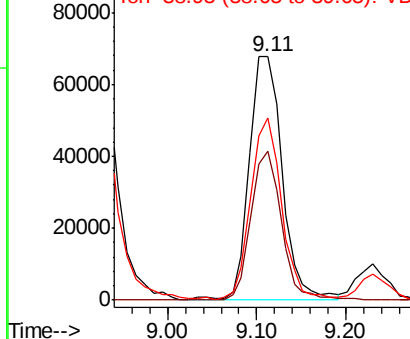
41 100

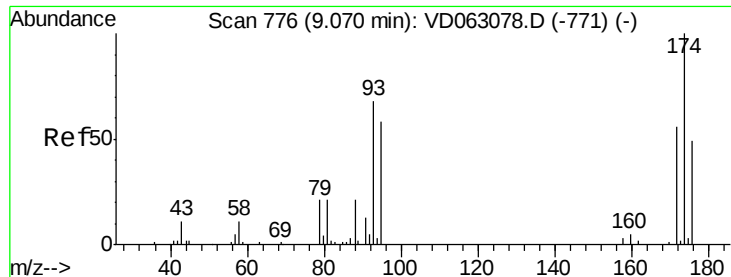
69 61.0 44.3 66.5

39 74.9 52.6 78.8



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

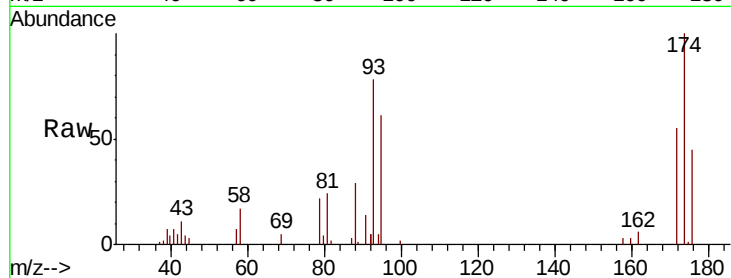




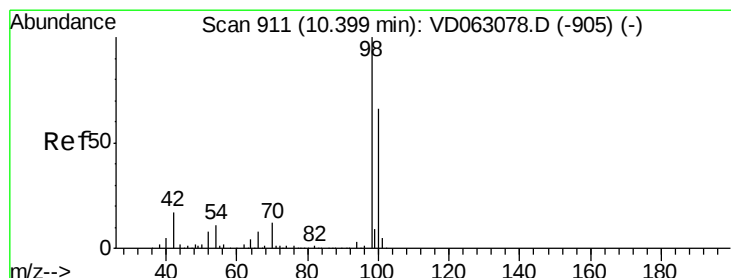
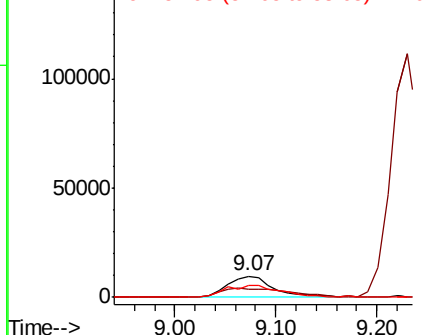
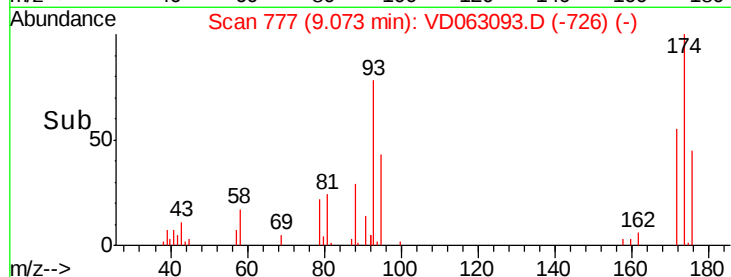
#49
1,4-Dioxane
Concen: 1358.549 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 30823
Ion Ratio Lower Upper
88 100
43 37.8 40.2 60.4#
58 58.2 41.6 62.4

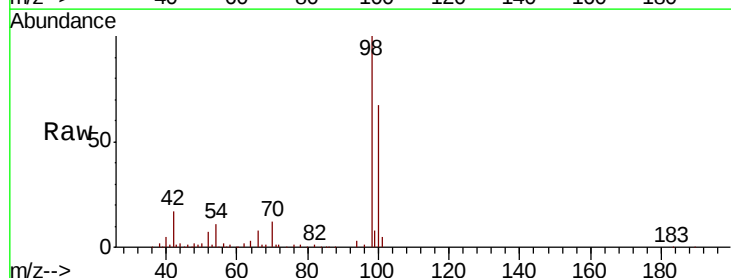


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

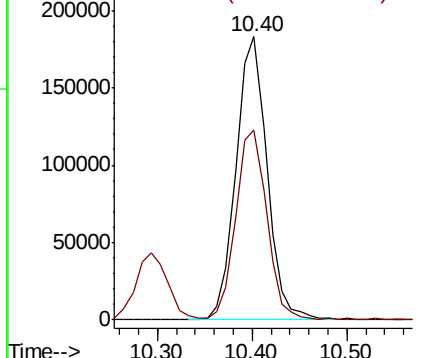
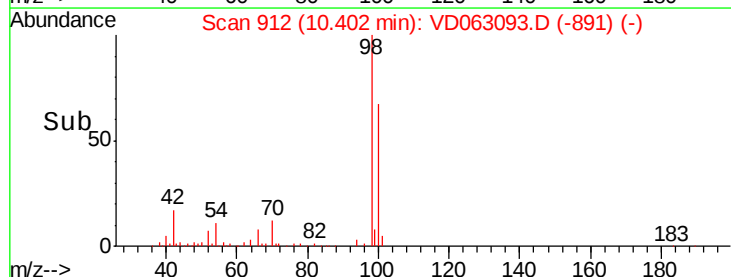


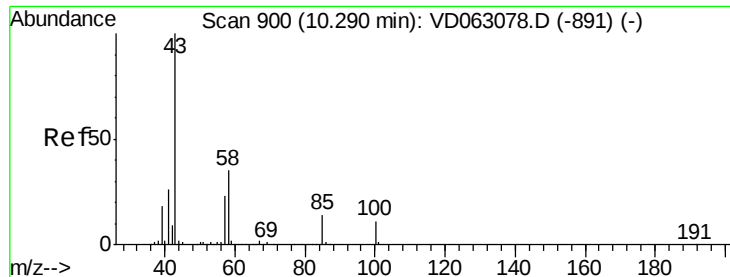
#50
Toluene-d8
Concen: 33.393 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 98 Resp: 414840
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3



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





#51

4-Methyl-2-Pentanone

Concen: 357.975 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

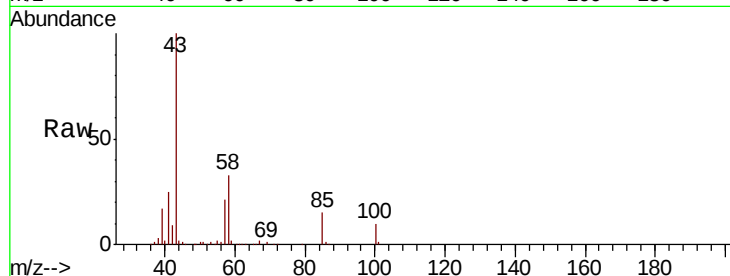
VSTDCCC050EC

Tot Ion: 43 Resp: 951150

Ion Ratio Lower Upper

43 100

58 33.1 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

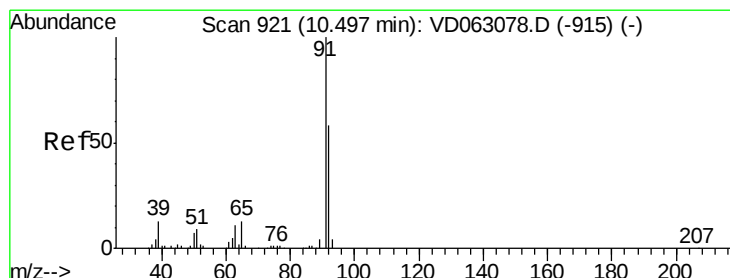
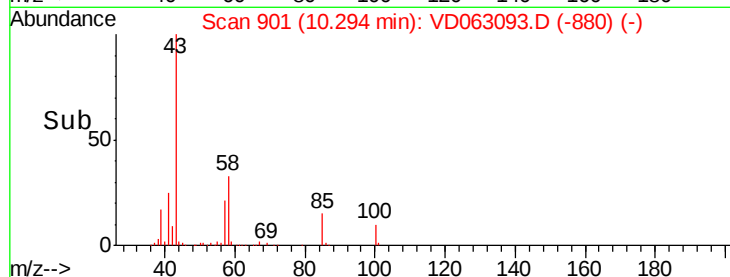
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.498 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063093.D

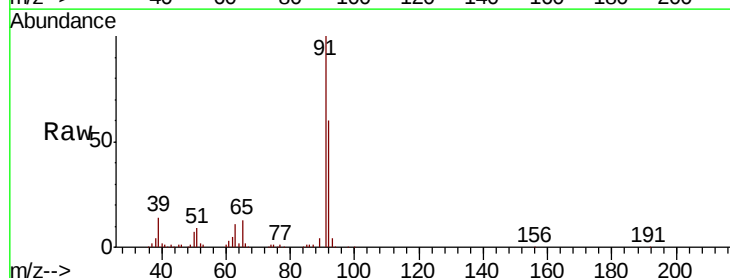
Acq: 15 Jul 2019 20:59

Tgt Ion: 92 Resp: 424686

Ion Ratio Lower Upper

92 100

91 166.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

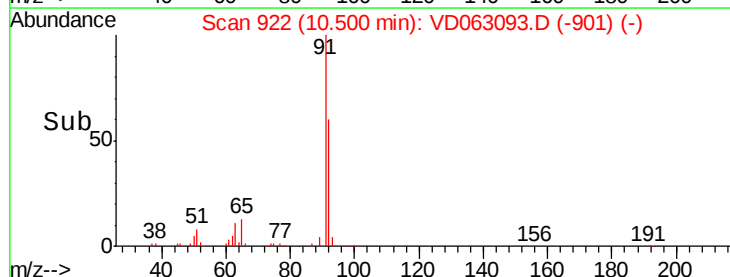
300000

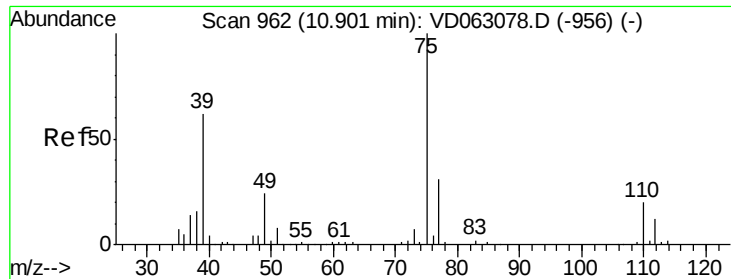
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.187 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

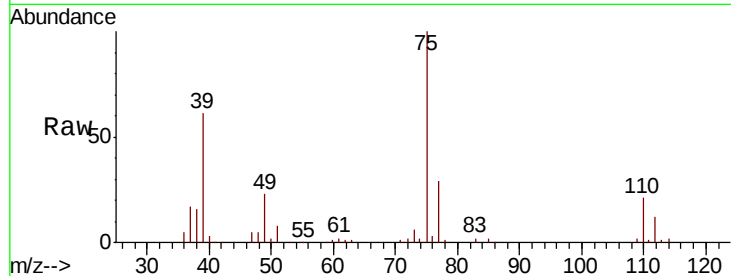
VSTDCCC050EC

Tot Ion: 75 Resp: 368105

Ion Ratio Lower Upper

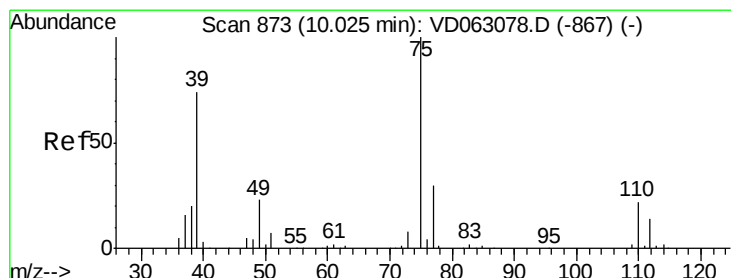
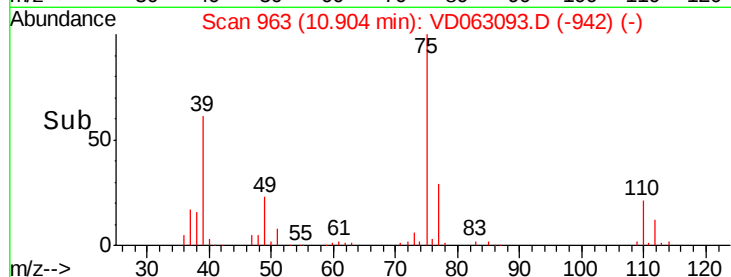
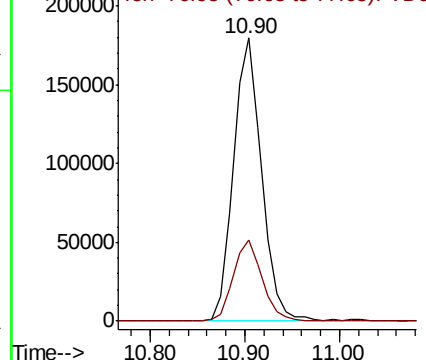
75 100

77 28.5 24.9 37.3



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: 55.414 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

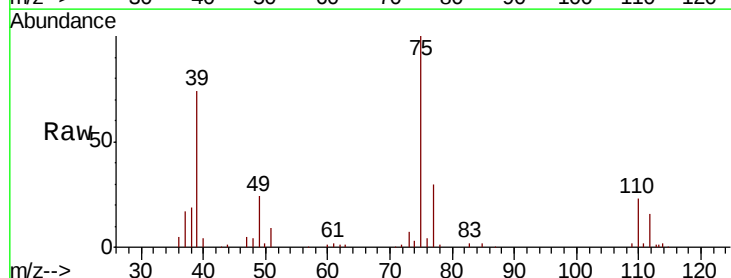
Tgt Ion: 75 Resp: 375378

Ion Ratio Lower Upper

75 100

77 29.7 23.9 35.9

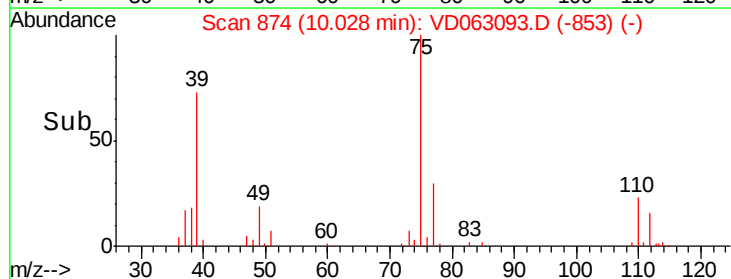
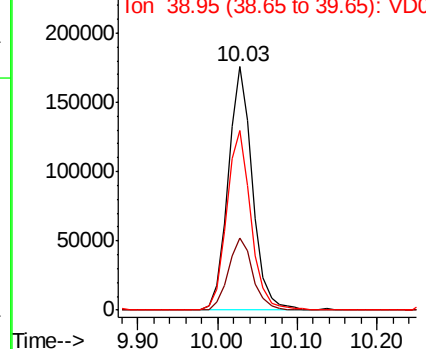
39 73.7 59.4 89.0

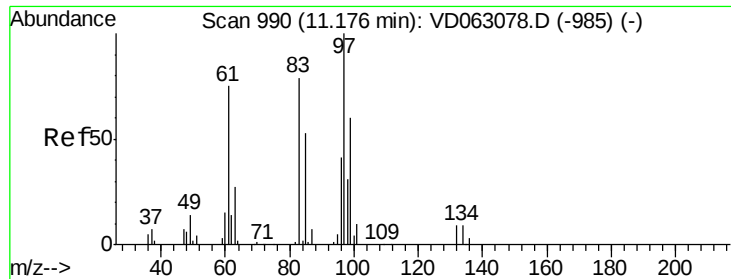


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

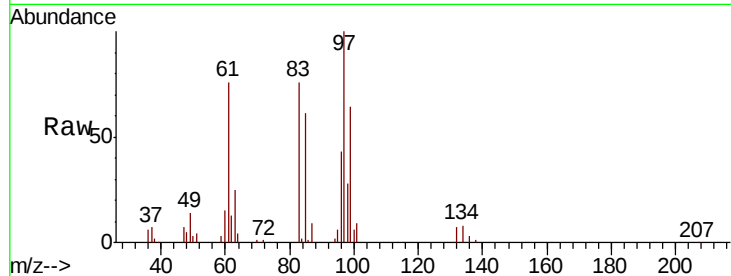




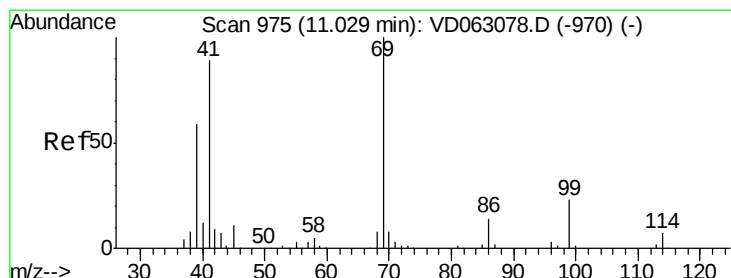
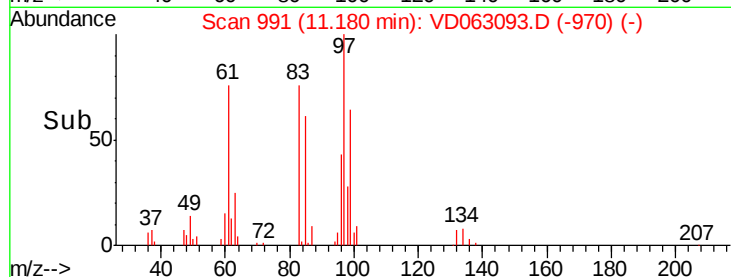
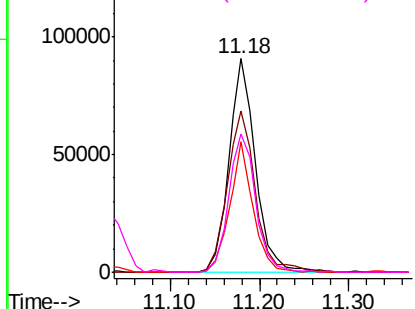
#55
 1,1,2-Trichloroethane
 Concen: 60.090 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 189666
 Ion Ratio Lower Upper
 97 100
 83 75.7 63.2 94.8
 85 61.0 42.0 63.0
 99 64.5 48.3 72.5

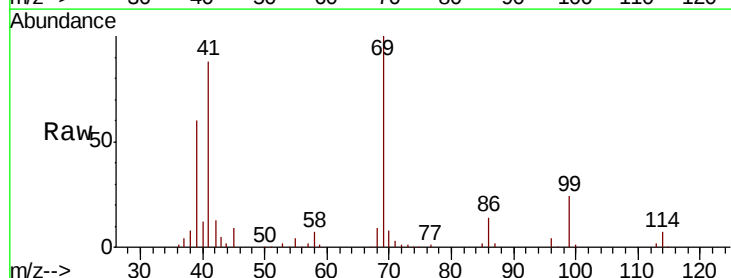


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

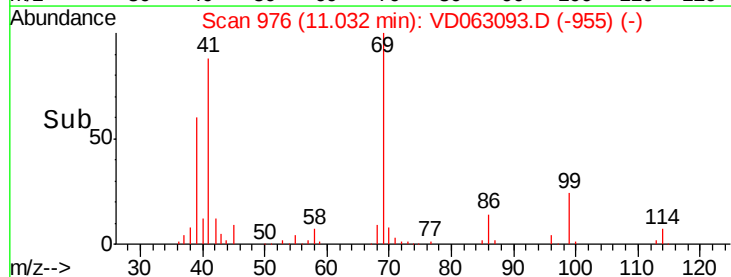
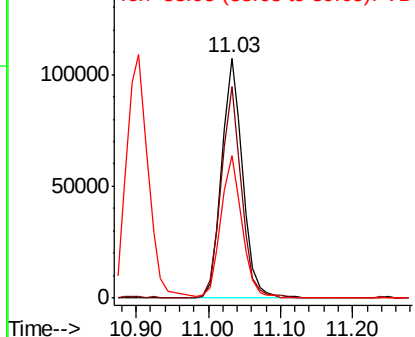


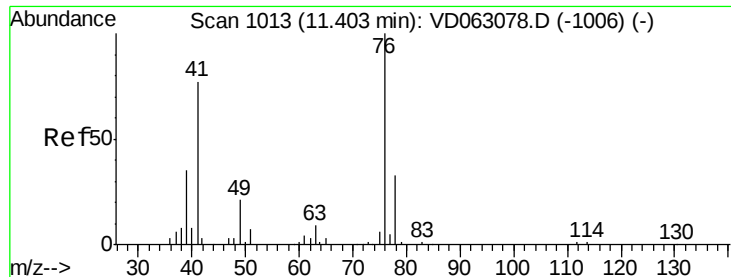
#56
 Ethyl methacrylate
 Concen: 60.845 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 69 Resp: 214577
 Ion Ratio Lower Upper
 69 100
 41 88.3 71.0 106.4
 39 59.5 47.7 71.5



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

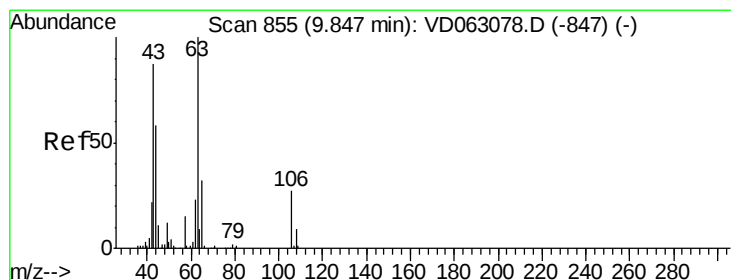
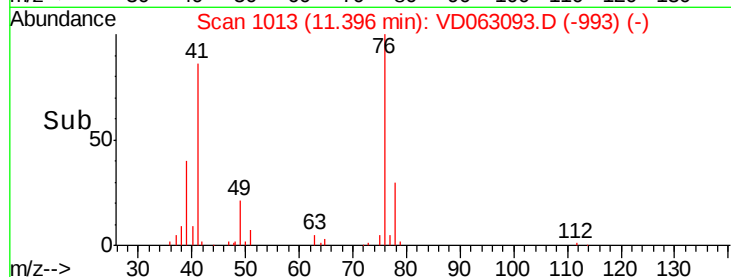
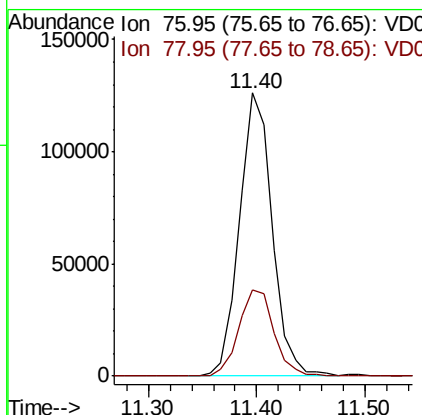
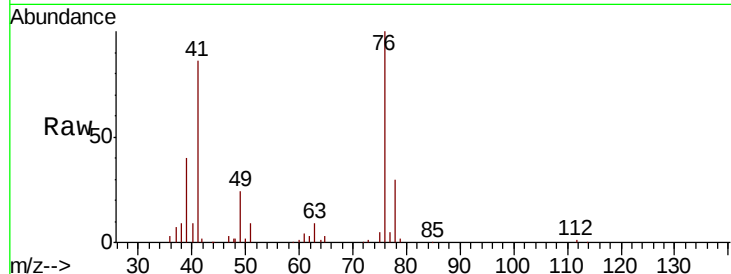




#57
 1,3-Dichloropropane
 Concen: 55.103 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

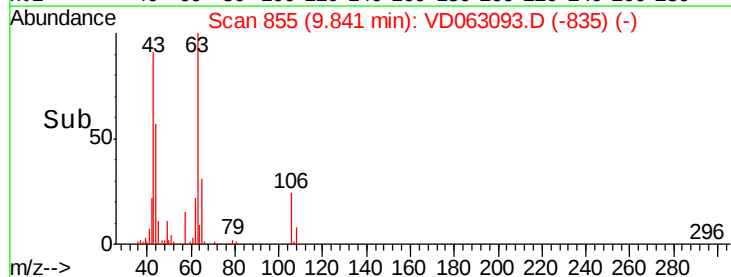
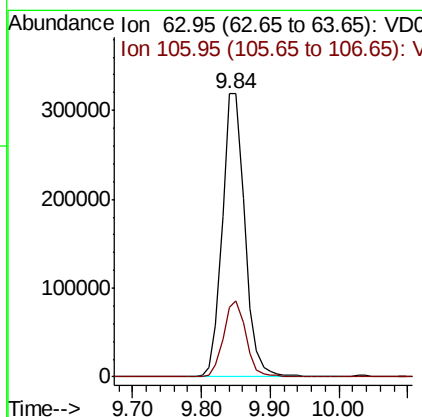
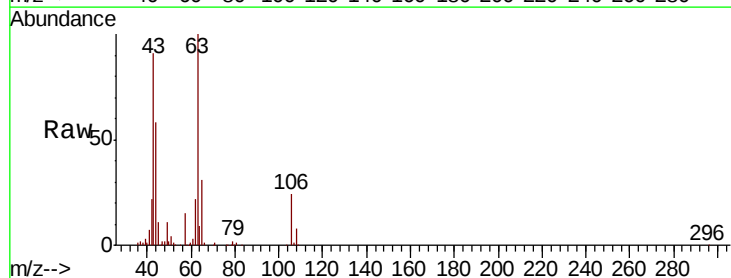
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

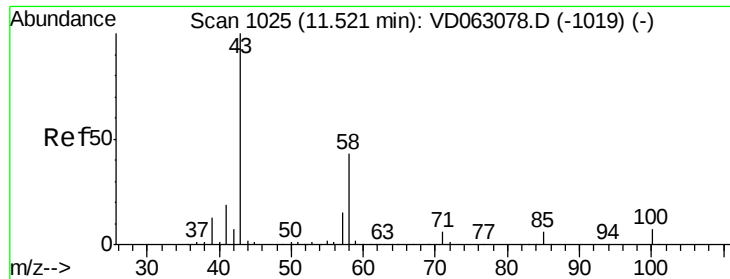
Tot Ion: 76 Resp: 264651
 Ion Ratio Lower Upper
 76 100
 78 30.4 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 368.604 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 63 Resp: 723802
 Ion Ratio Lower Upper
 63 100
 106 24.4 21.3 31.9

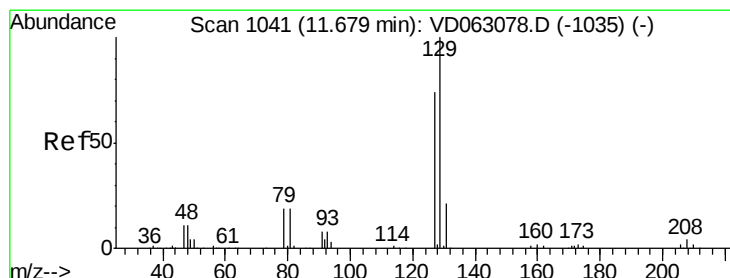
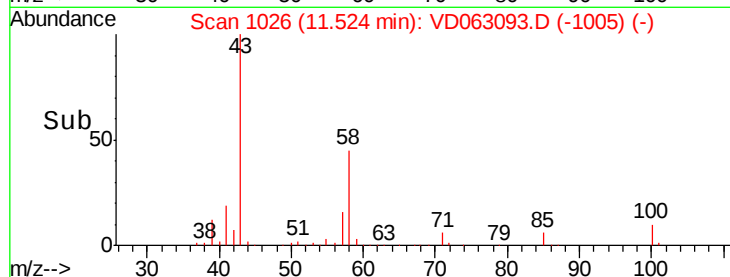
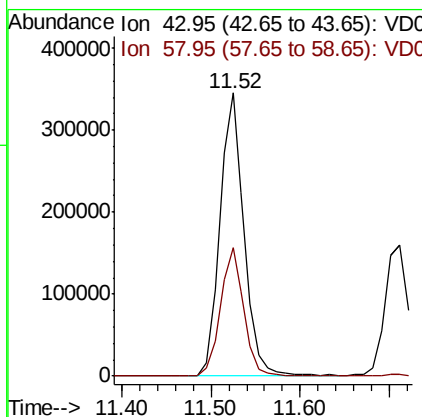
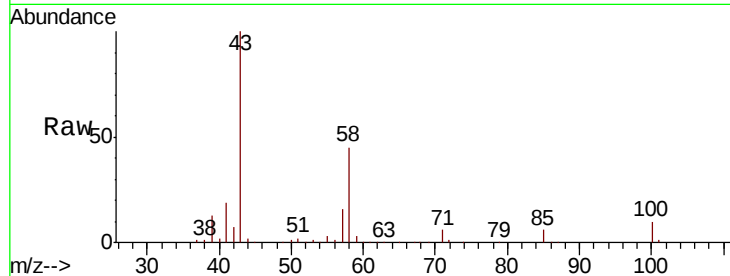




#59
2-Hexanone
Concen: 319.349 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

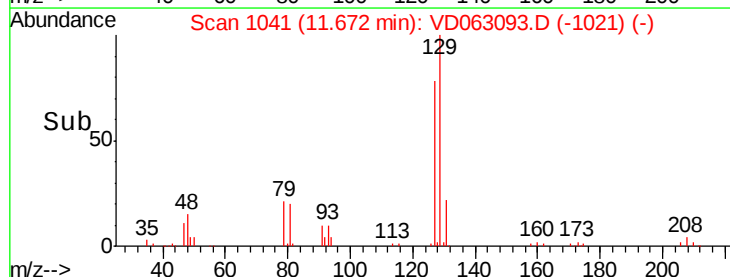
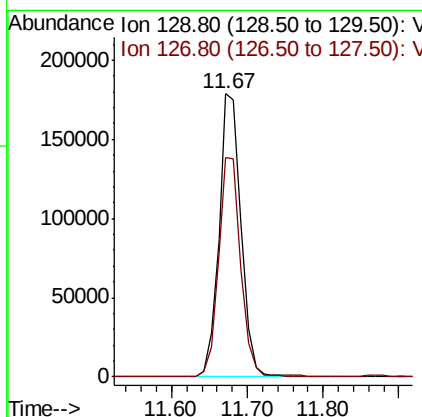
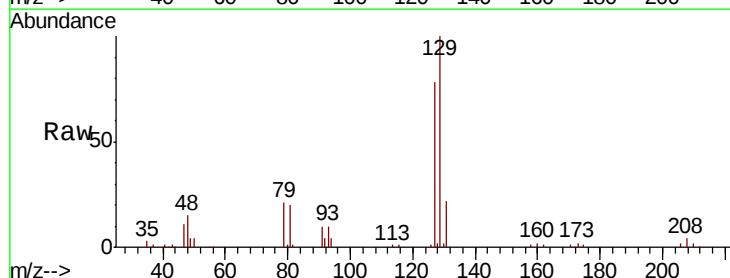
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

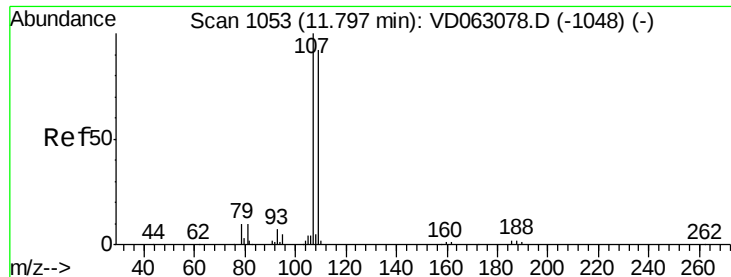
Tot Ion: 43 Resp: 654386
Ion Ratio Lower Upper
43 100
58 45.2 21.7 65.1



#60
Dibromochloromethane
Concen: 59.873 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 129 Resp: 362254
Ion Ratio Lower Upper
129 100
127 77.5 37.0 110.9





#61

1,2-Dibromoethane

Concen: 61.883 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

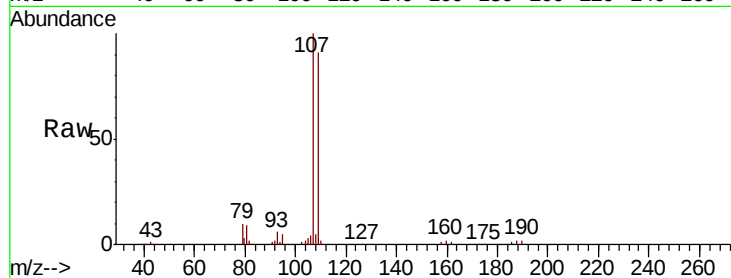
VSTDCCC050EC

Tot Ion:107 Resp: 233801

Ion Ratio Lower Upper

107 100

109 91.3 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

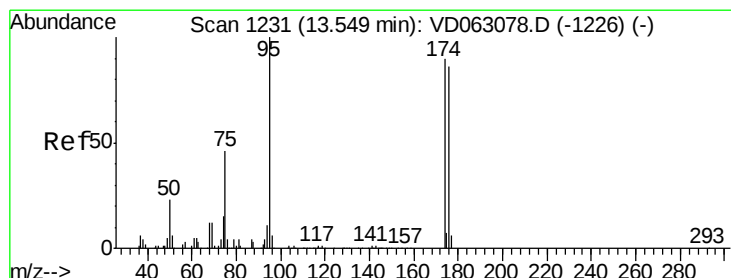
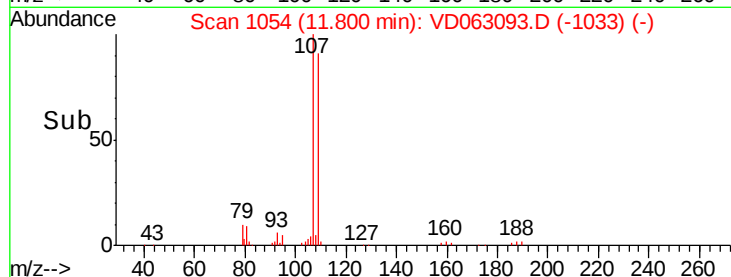
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.851 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

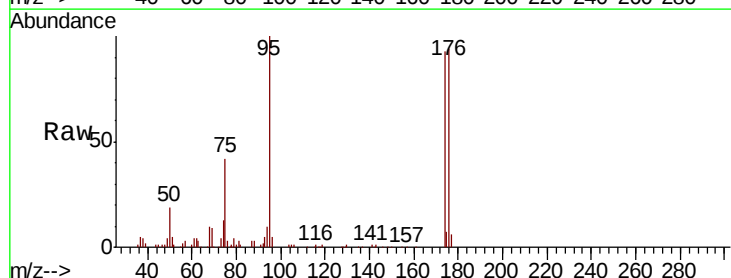
Tgt Ion: 95 Resp: 234780

Ion Ratio Lower Upper

95 100

174 93.3 0.0 180.6

176 94.1 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

200000

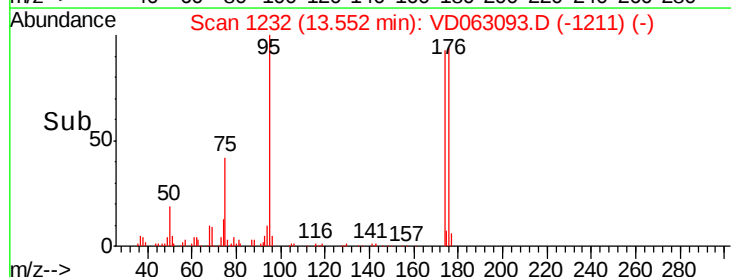
150000

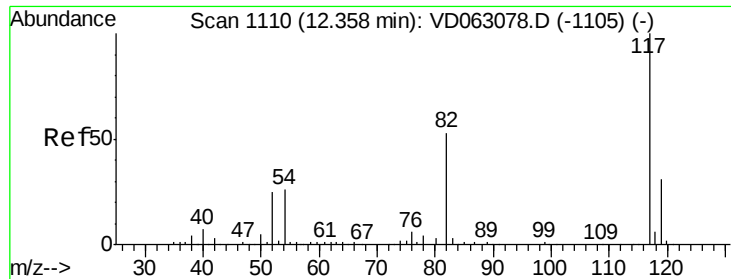
100000

50000

0

Time-->

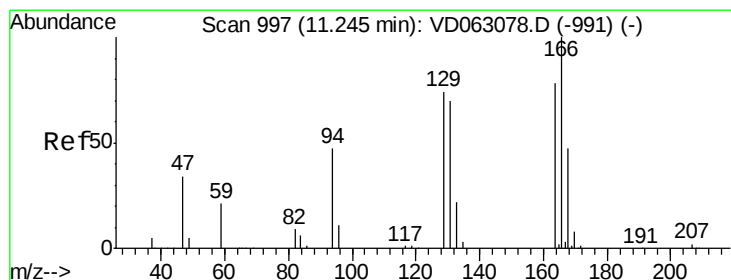
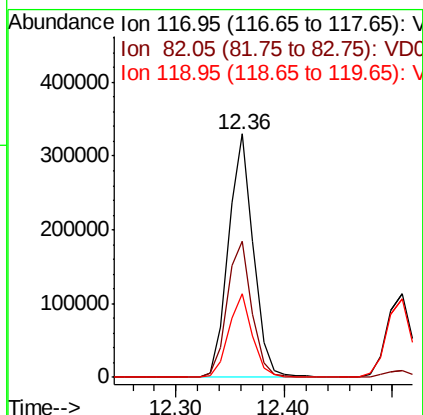
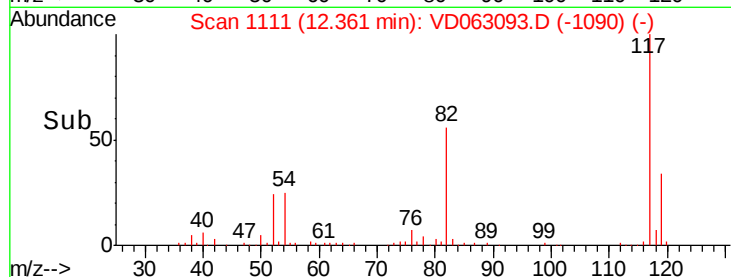
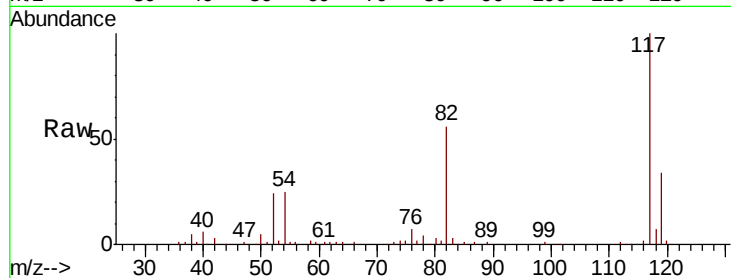




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

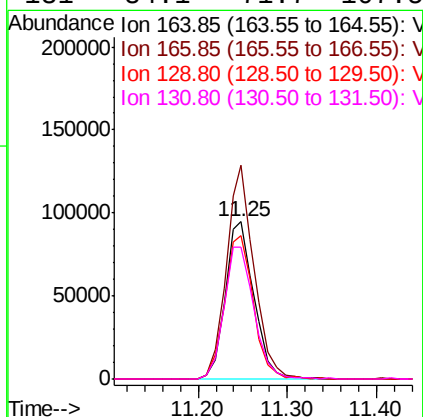
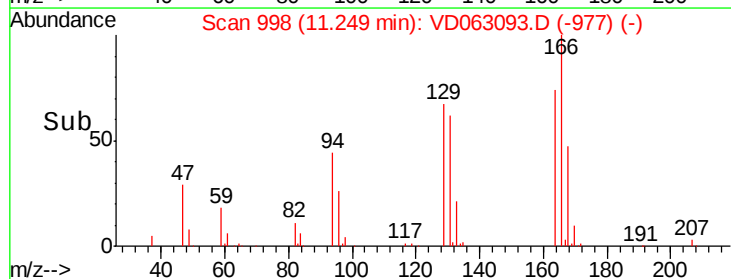
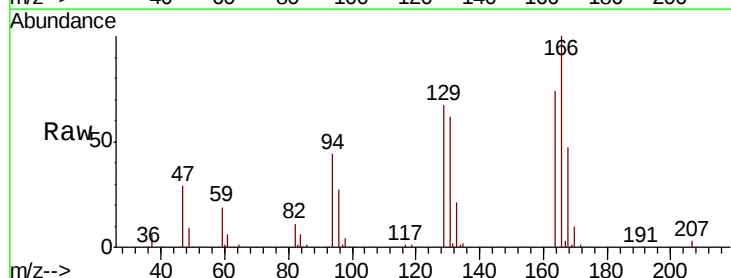
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

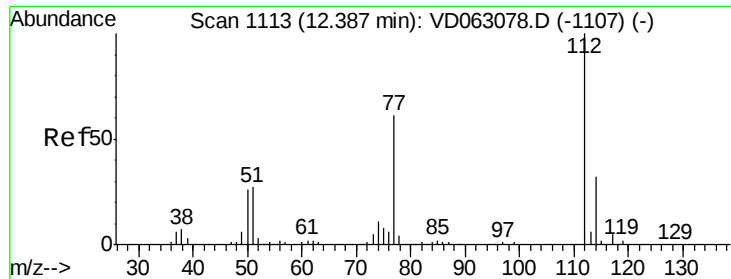
Tot Ion:117 Resp: 525894
Ion Ratio Lower Upper
117 100
82 56.1 42.3 63.5
119 34.5 25.2 37.8



#64
Tetrachloroethene
Concen: 41.833 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:164 Resp: 213470
Ion Ratio Lower Upper
164 100
166 135.7 102.8 154.2
129 91.3 76.4 114.6
131 84.1 71.7 107.5

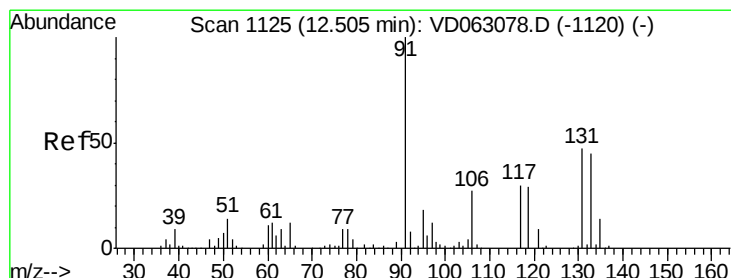
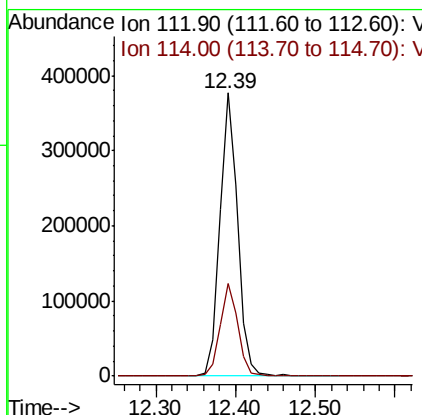
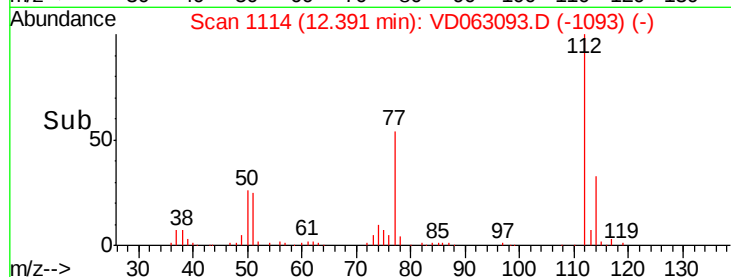
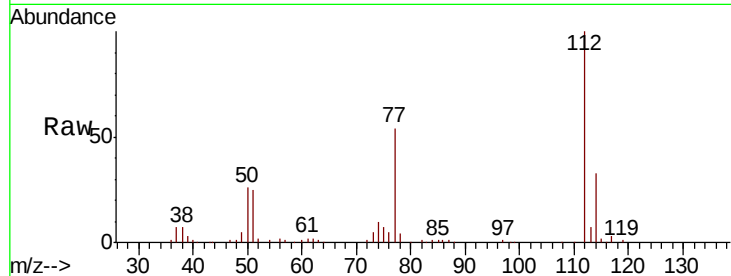




#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

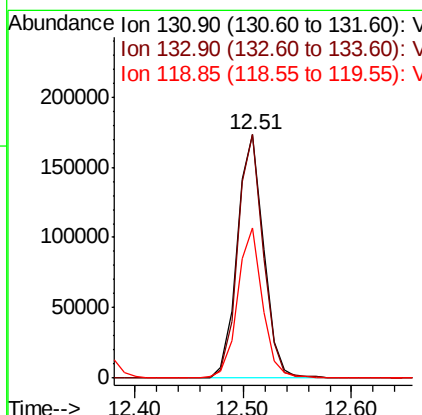
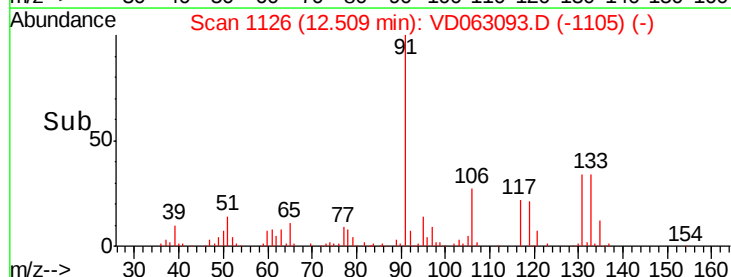
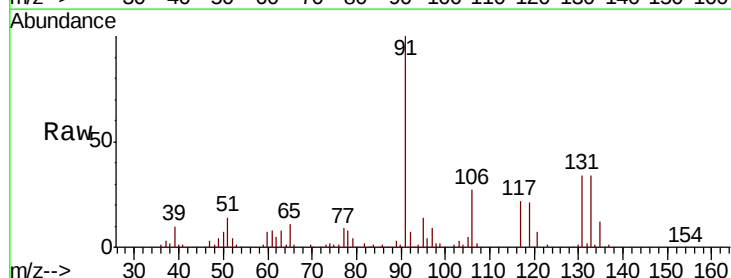
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

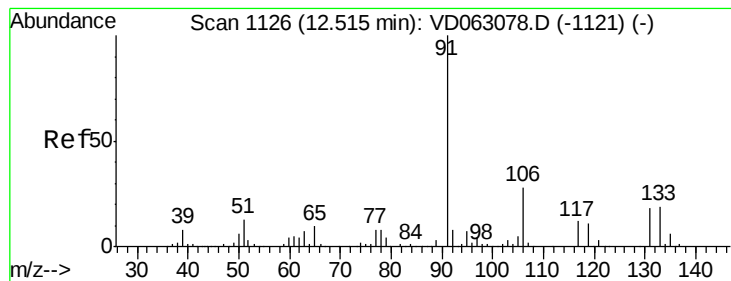
Tot Ion:112 Resp: 593119
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.114 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:131 Resp: 292963
Ion Ratio Lower Upper
131 100
133 100.0 48.5 145.6
119 61.6 30.8 92.3





#67

Ethyl Benzene

Concen: 45.872 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

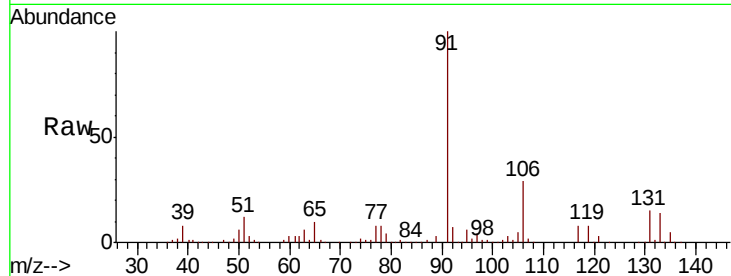
VSTDCCC050EC

Tot Ion: 91 Resp: 985309

Ion Ratio Lower Upper

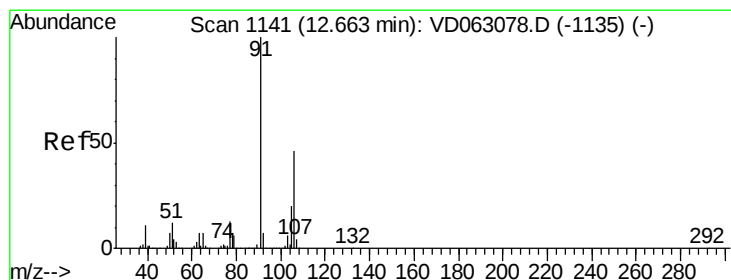
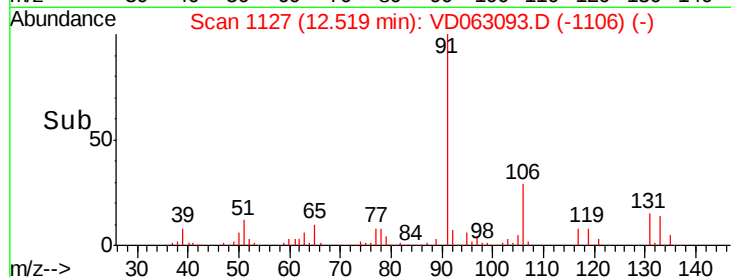
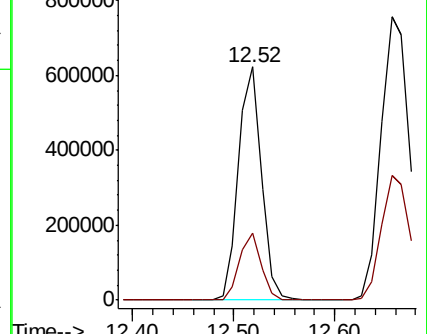
91 100

106 28.8 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 85.674 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD063093.D

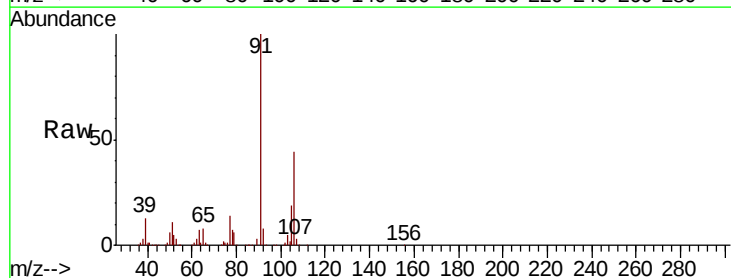
Acq: 15 Jul 2019 20:59

Tgt Ion: 106 Resp: 659125

Ion Ratio Lower Upper

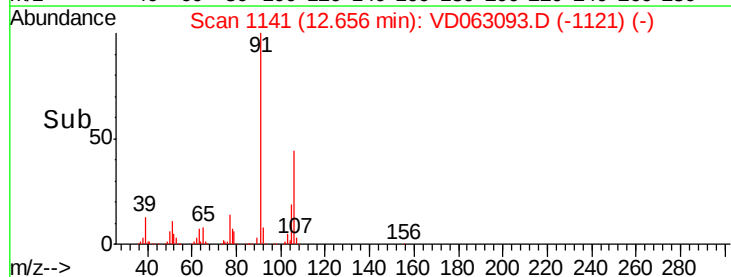
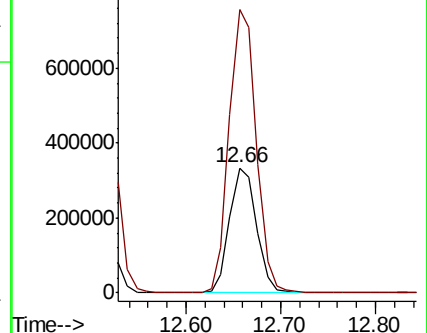
106 100

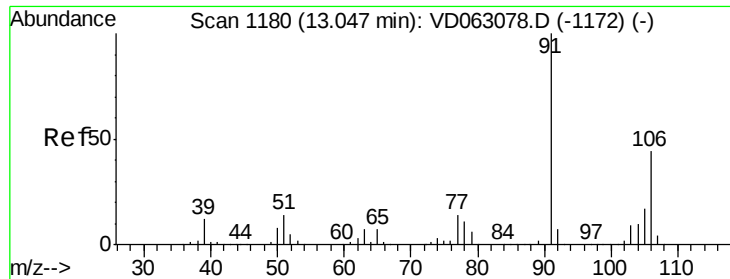
91 226.0 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

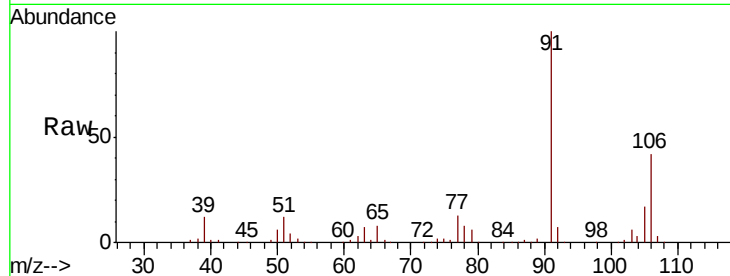




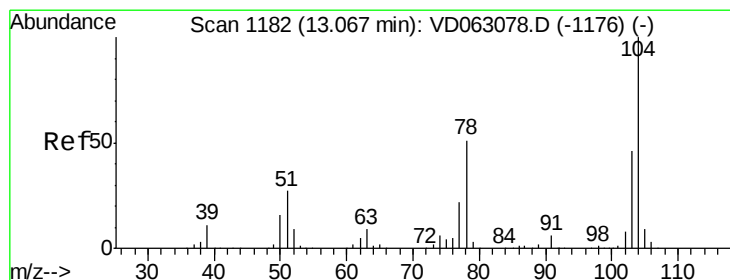
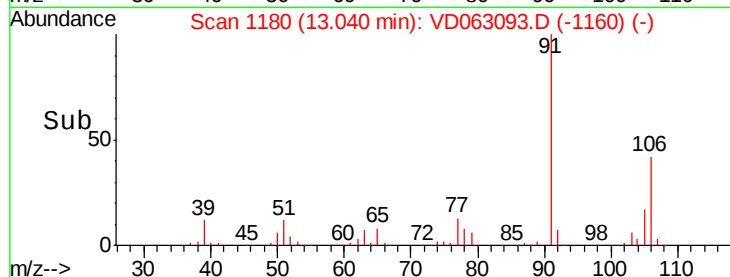
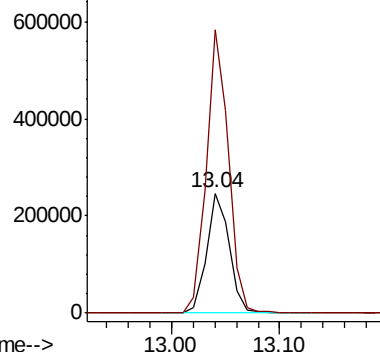
#69
o-Xylene
Concen: 49.351 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 360012
Ion Ratio Lower Upper
106 100
91 235.8 114.9 344.7

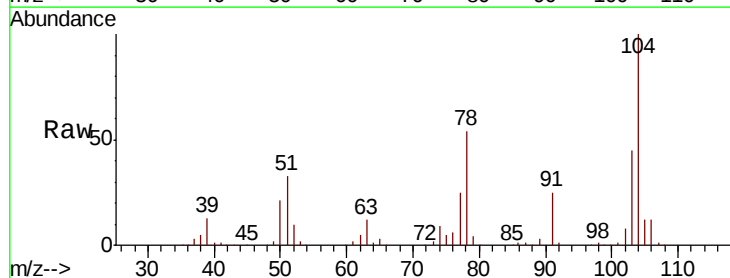


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

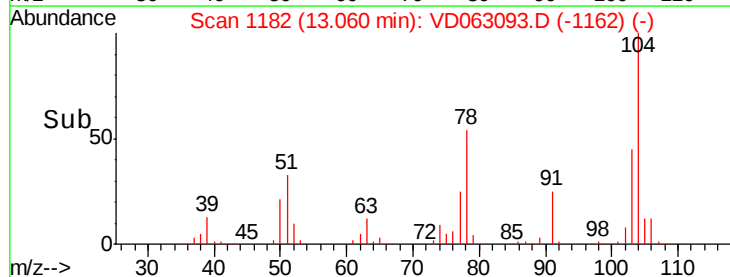
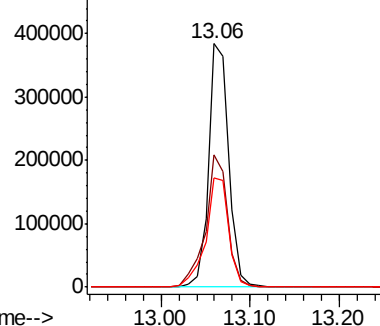


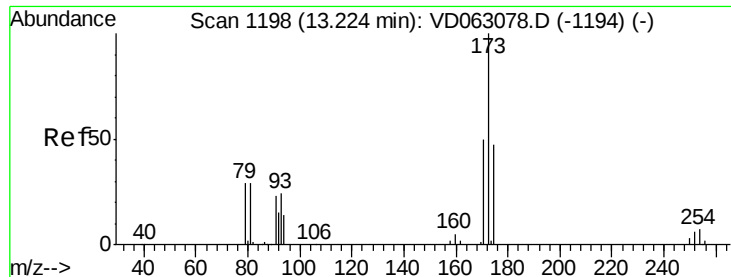
#70
Styrene
Concen: 47.636 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:104 Resp: 608270
Ion Ratio Lower Upper
104 100
78 54.1 41.1 61.7
103 44.9 37.0 55.6



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

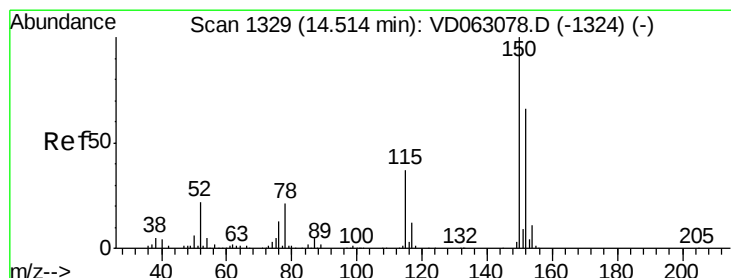
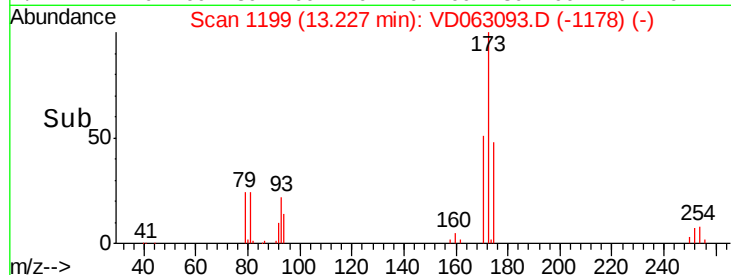
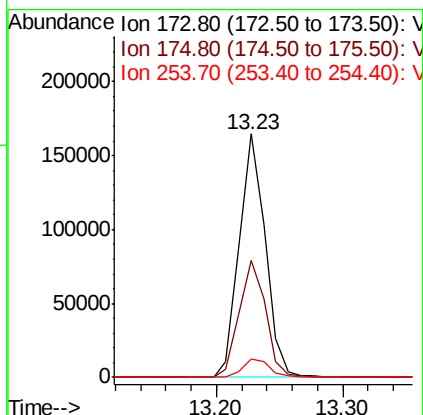
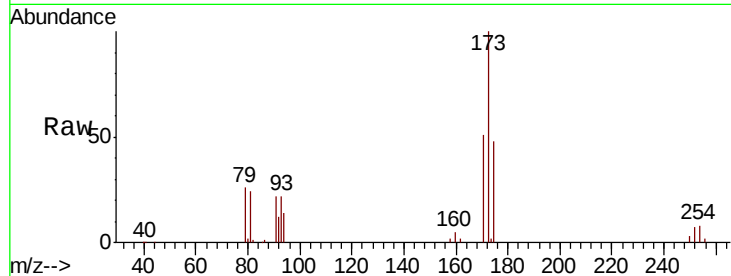




#71
Bromoform
Concen: 58.617 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

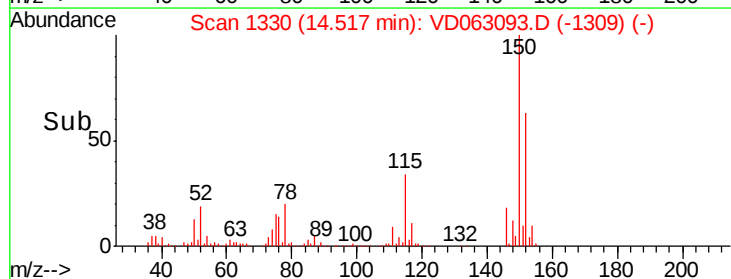
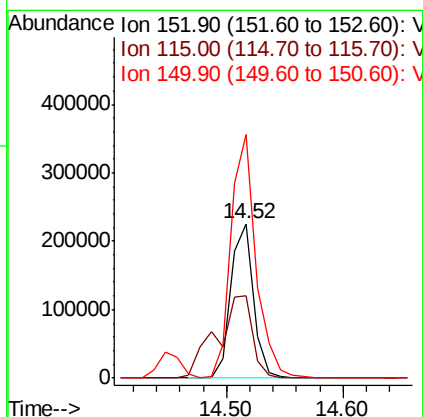
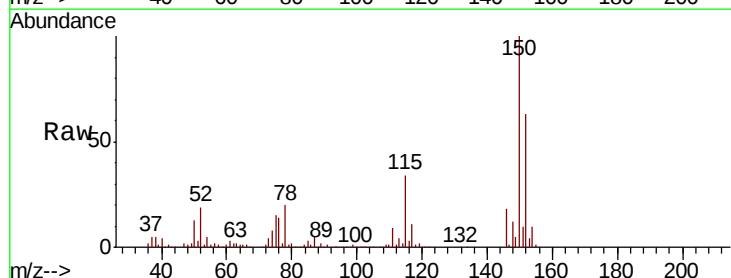
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

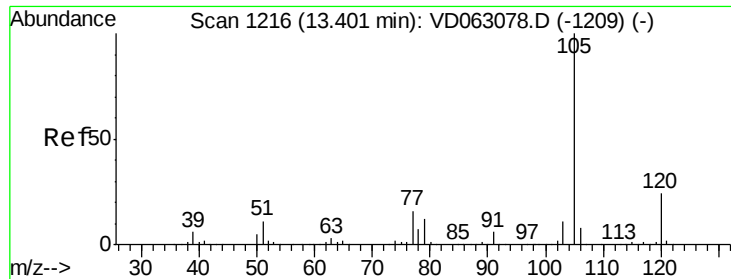
Tot Ion:173 Resp: 235206
Ion Ratio Lower Upper
173 100
175 48.0 23.4 70.2
254 7.5 5.4 8.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:152 Resp: 304635
Ion Ratio Lower Upper
152 100
115 53.6 28.9 86.8
150 158.1 0.0 313.8





#73

Isopropylbenzene

Concen: 44.832 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

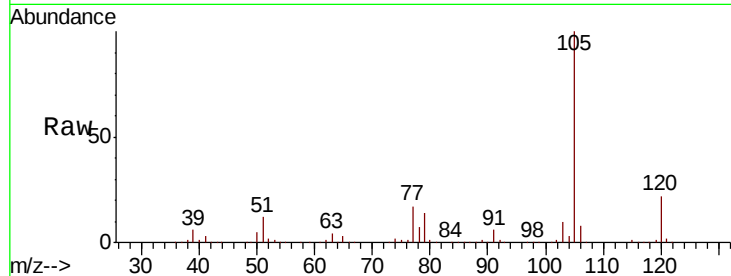
VSTDCCC050EC

Tot Ion:105 Resp: 1054728

Ion Ratio Lower Upper

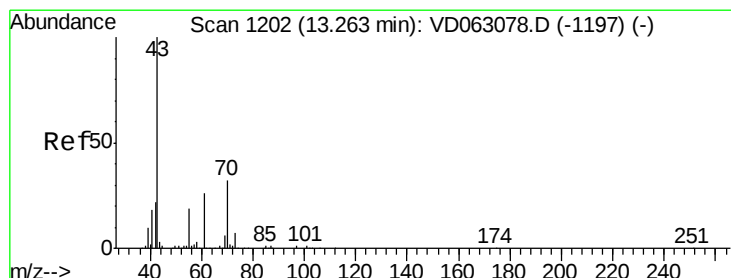
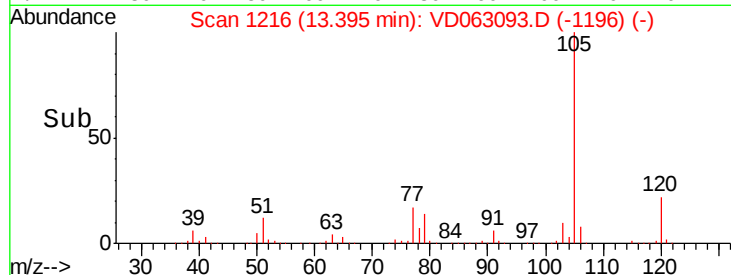
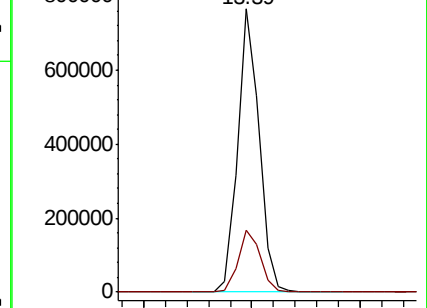
105 100

120 21.7 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.126 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion: 43 Resp: 355129

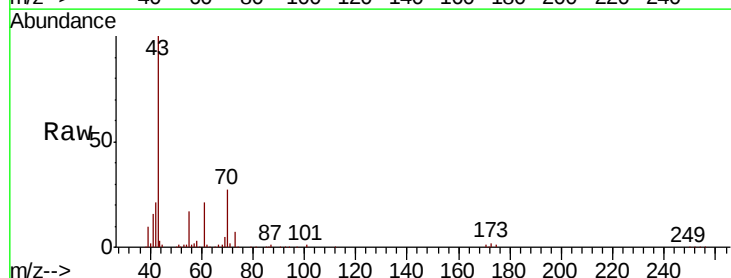
Ion Ratio Lower Upper

43 100

70 26.6 25.5 38.3

55 17.3 15.4 23.0

61 21.0 20.6 31.0

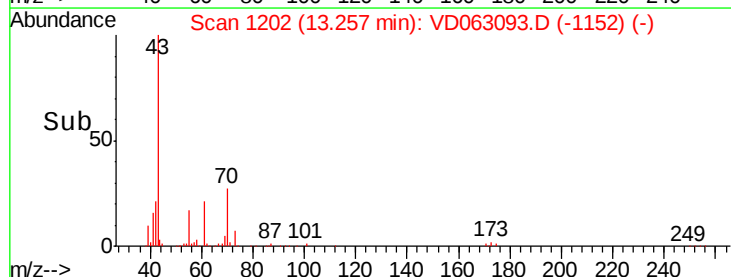
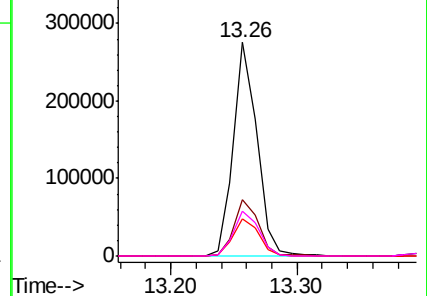


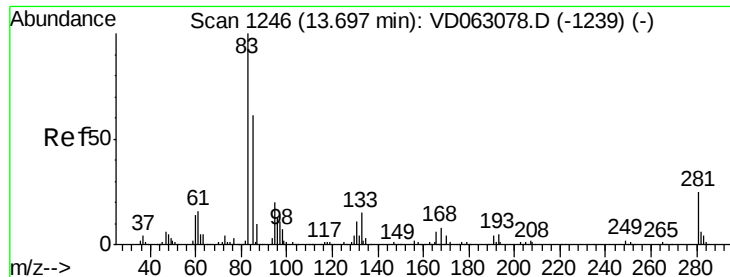
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 56.642 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

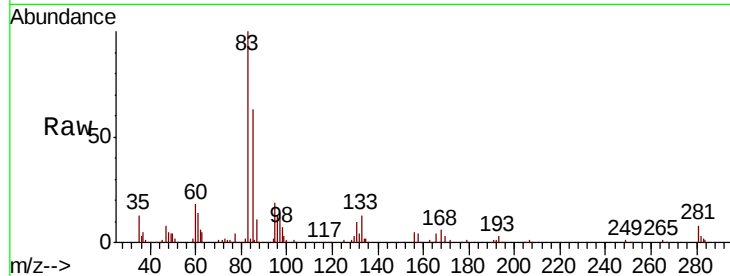
Tot Ion: 83 Resp: 242454

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.7

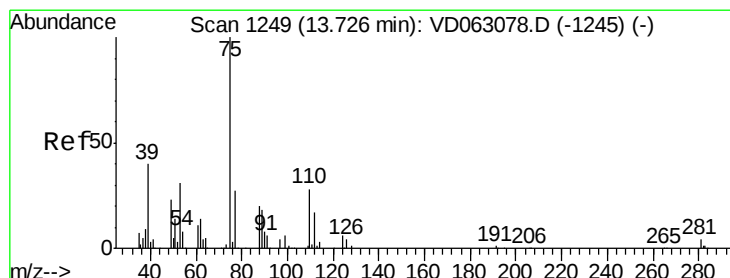
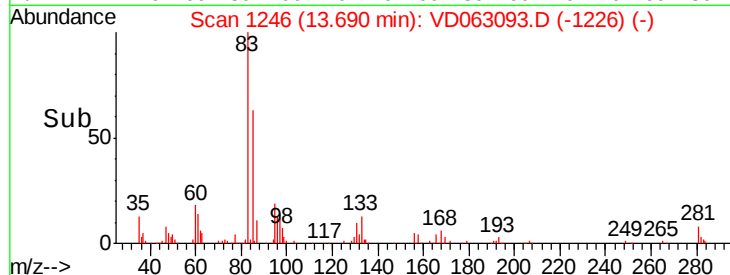
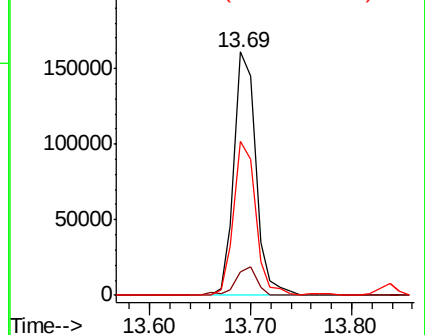
85 63.2 30.7 92.1



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: 54.107 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063093.D

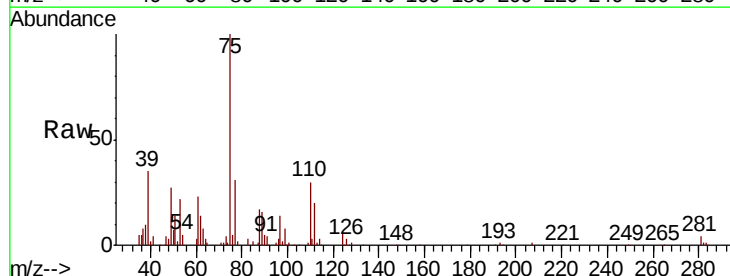
Acq: 15 Jul 2019 20:59

Tgt Ion: 75 Resp: 253554

Ion Ratio Lower Upper

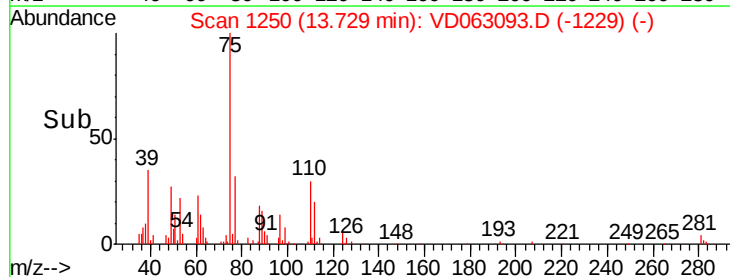
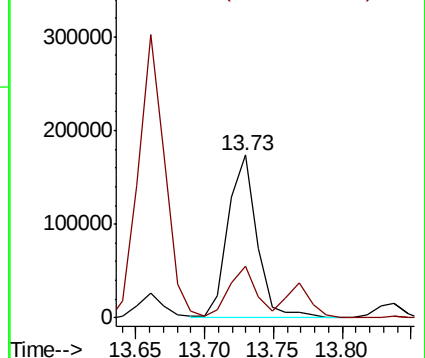
75 100

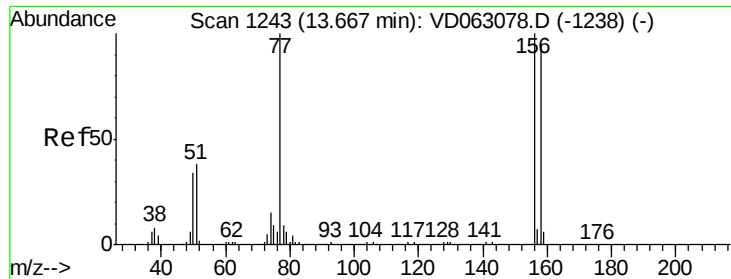
77 31.4 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.433 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

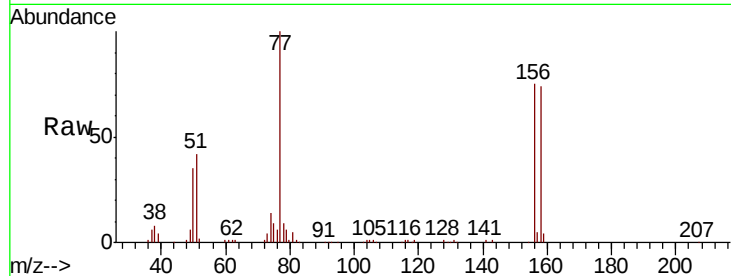
Tot Ion:156 Resp: 323126

Ion Ratio Lower Upper

156 100

77 132.5 50.2 150.7

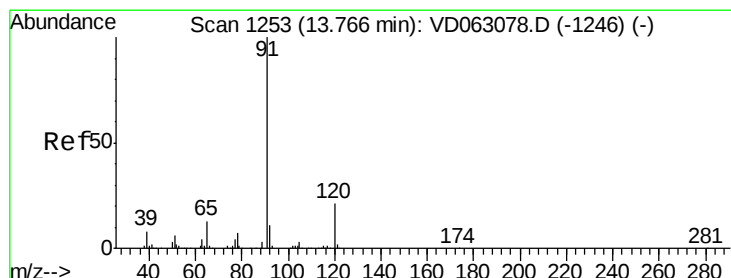
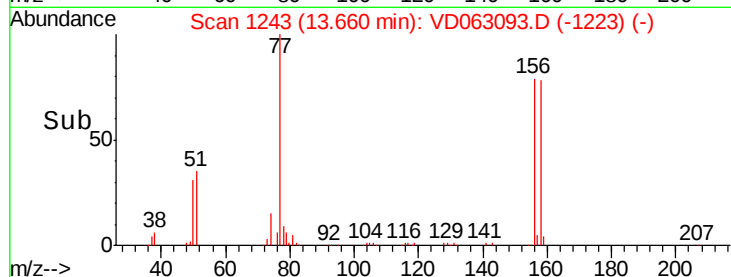
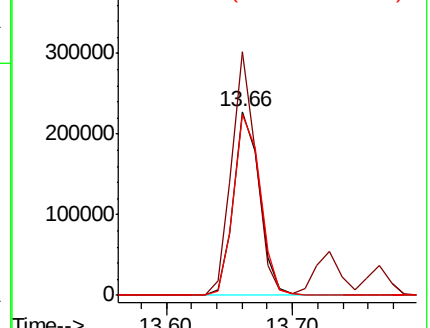
158 98.3 47.6 142.9



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: 39.690 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063093.D

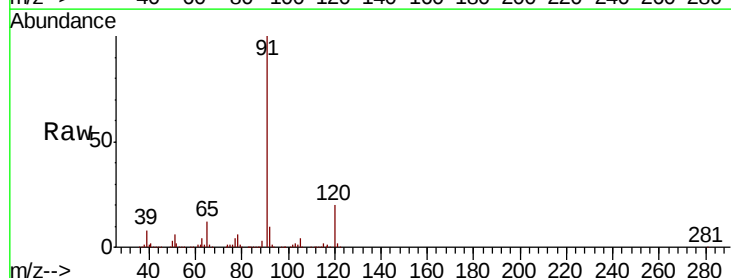
Acq: 15 Jul 2019 20:59

Tgt Ion: 91 Resp: 1074548

Ion Ratio Lower Upper

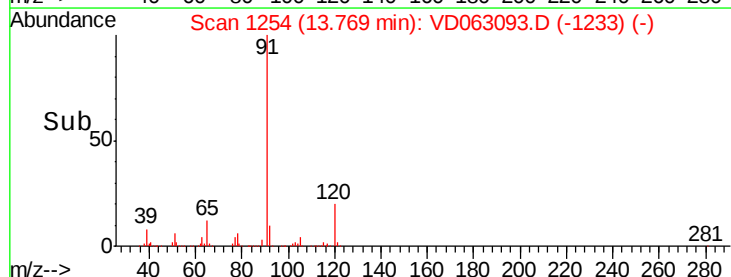
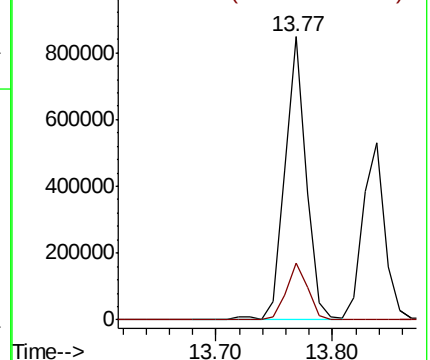
91 100

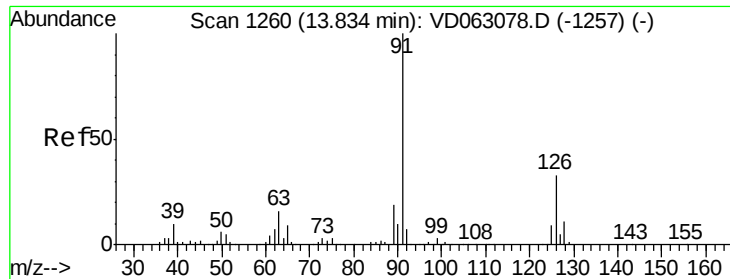
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

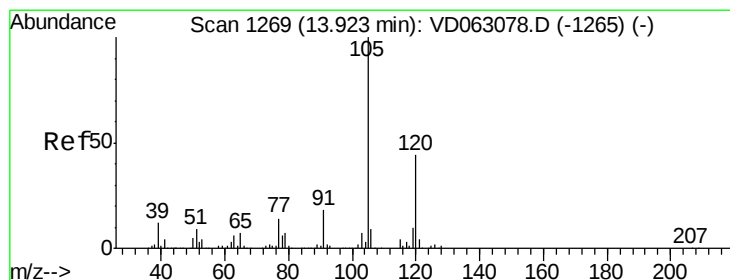
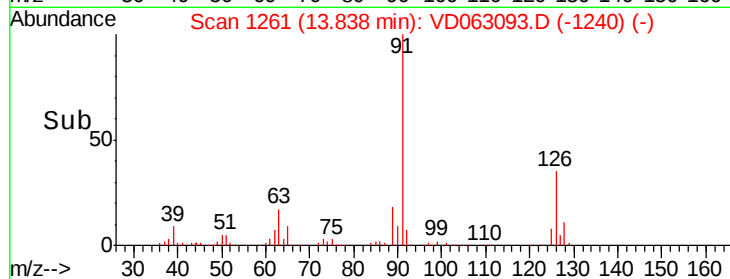
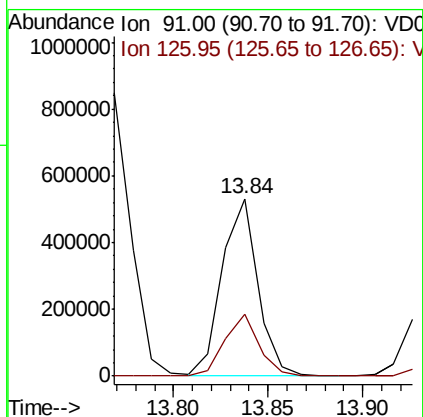
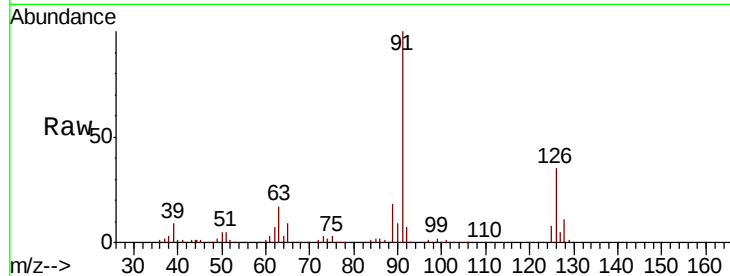




#79
 2-Chlorotoluene
 Concen: 42.322 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

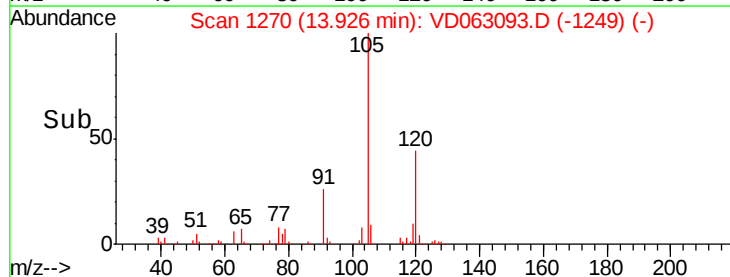
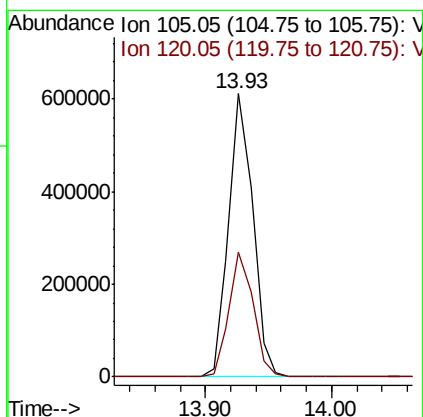
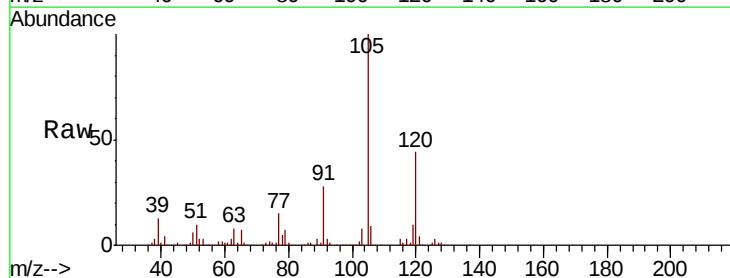
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

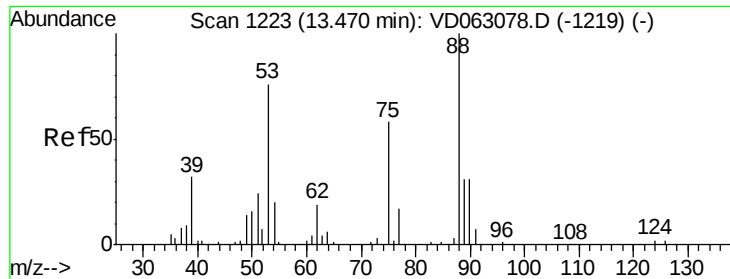
Tot Ion: 91 Resp: 692778
 Ion Ratio Lower Upper
 91 100
 126 35.2 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 39.498 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 105 Resp: 809865
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.4

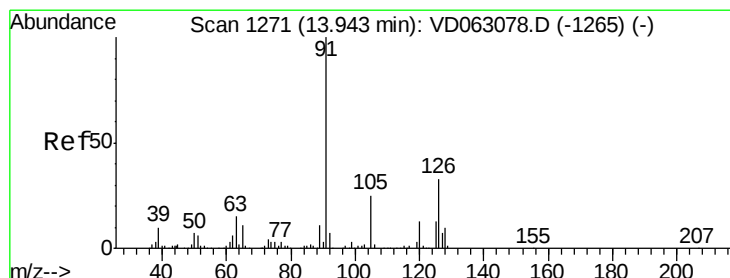
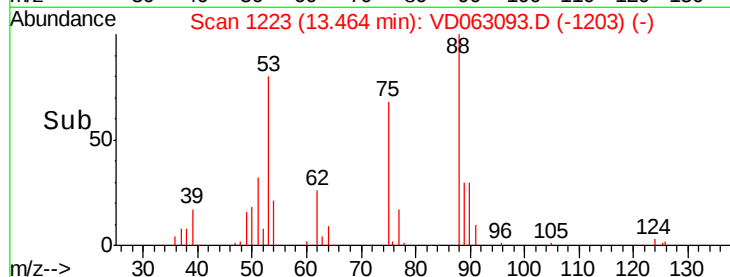
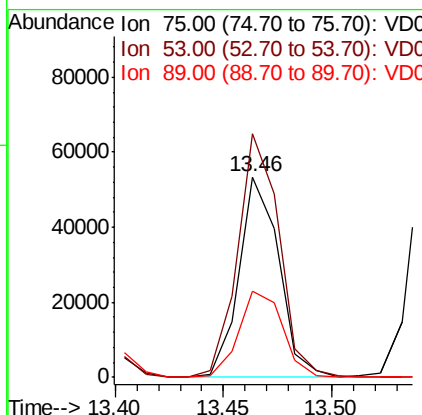
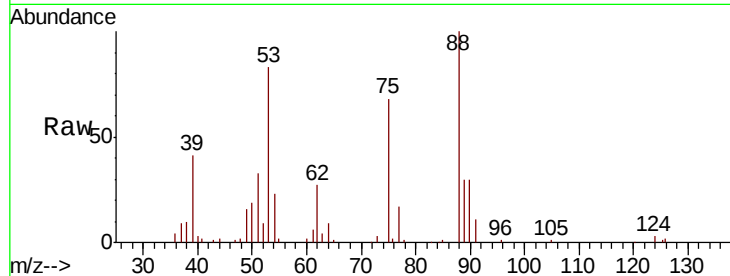




#81
trans-1,4-Dichloro-2-butene
Concen: 55.773 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

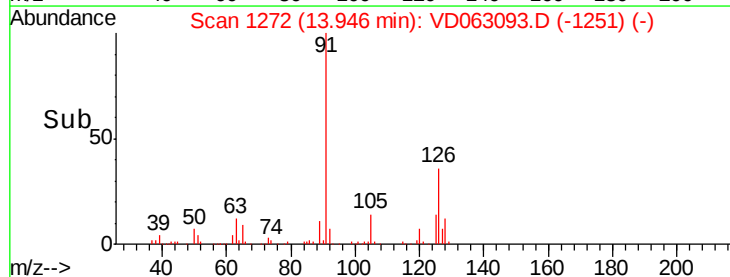
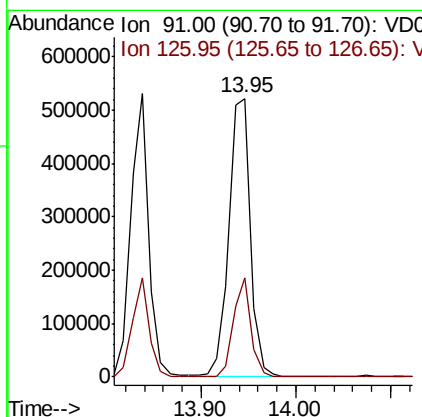
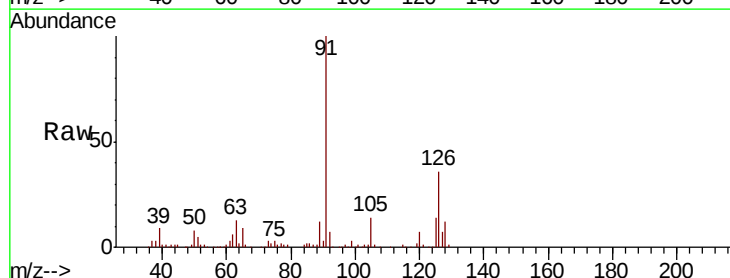
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

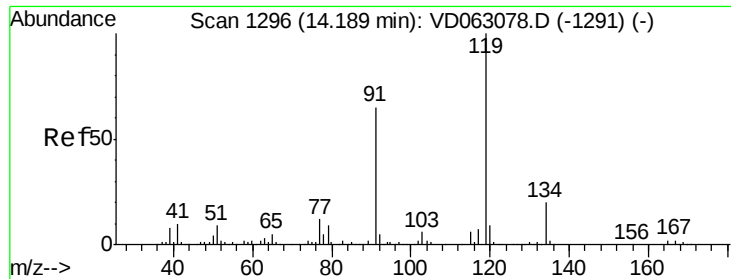
Tot Ion: 75 Resp: 68826
Ion Ratio Lower Upper
75 100
53 121.5 104.4 156.6
89 43.2 43.1 64.7



#82
4-Chlorotoluene
Concen: 43.180 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 91 Resp: 825382
Ion Ratio Lower Upper
91 100
126 35.5 16.7 50.1

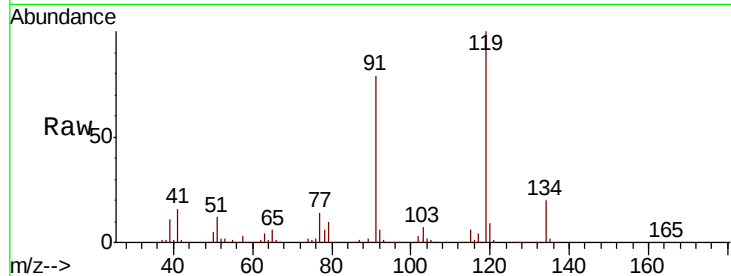




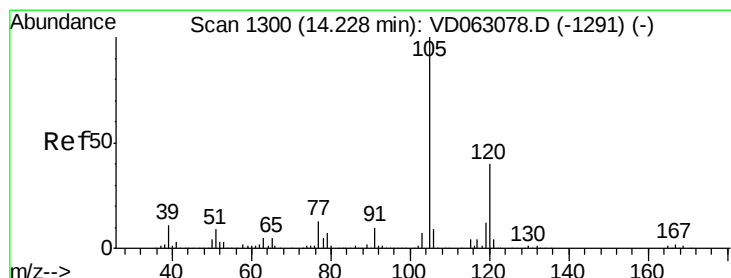
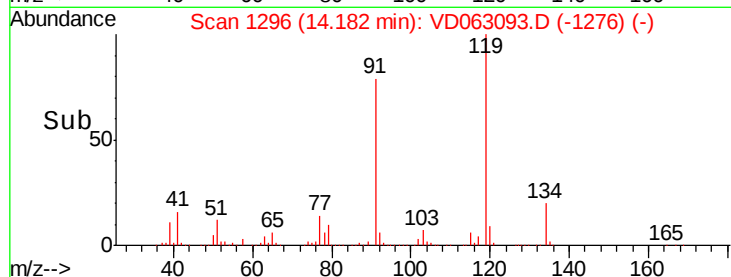
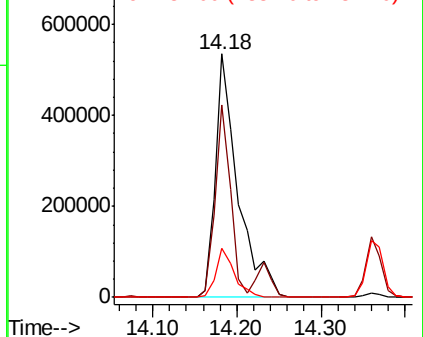
#83
tert-Butylbenzene
Concen: 42.827 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 992897
Ion Ratio Lower Upper
119 100
91 79.0 32.4 97.2
134 20.0 10.2 30.6

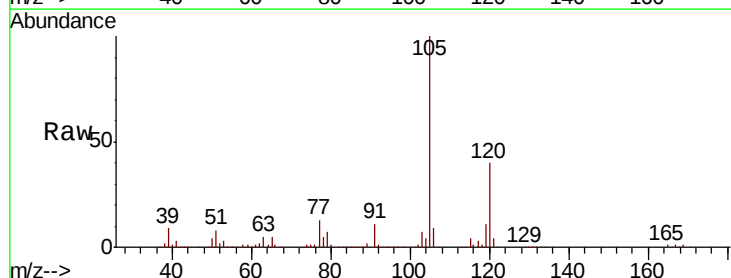


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

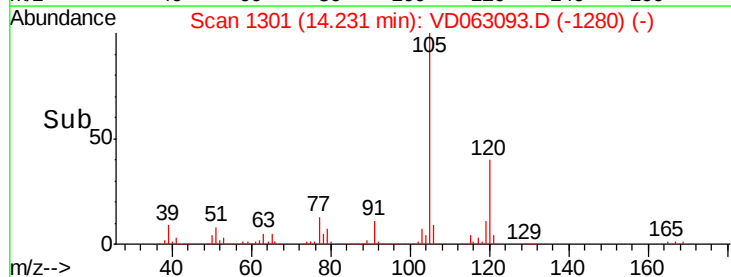
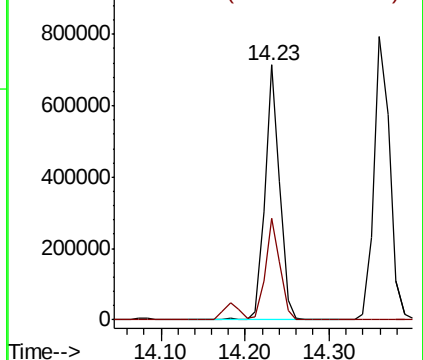


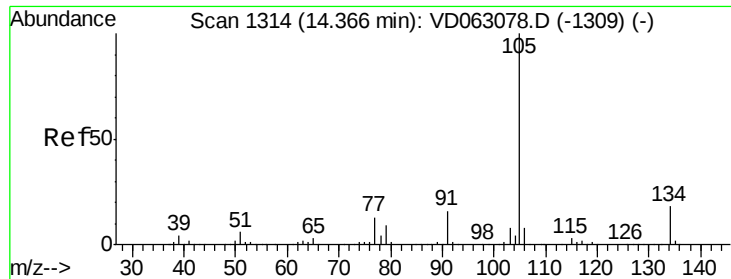
#84
1,2,4-Trimethylbenzene
Concen: 43.585 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:105 Resp: 890956
Ion Ratio Lower Upper
105 100
120 39.9 20.2 60.6



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





#85

sec-Butylbenzene

Concen: 41.906 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

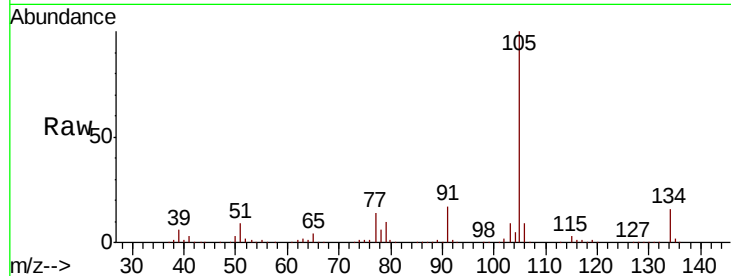
VSTDCCC050EC

Tot Ion:105 Resp: 1032255

Ion Ratio Lower Upper

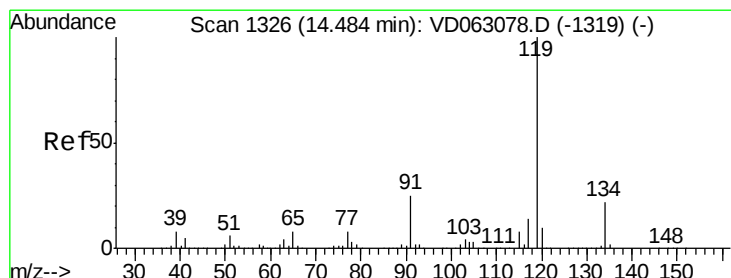
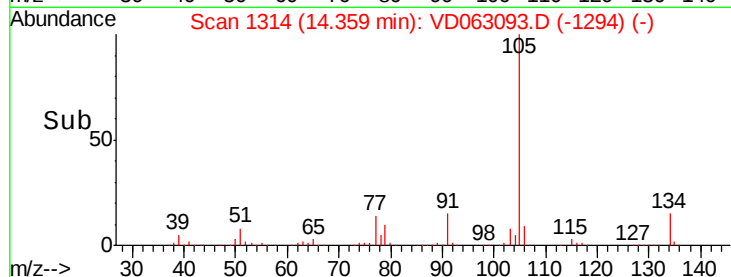
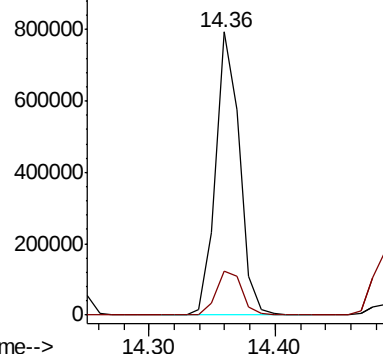
105 100

134 15.7 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 43.534 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

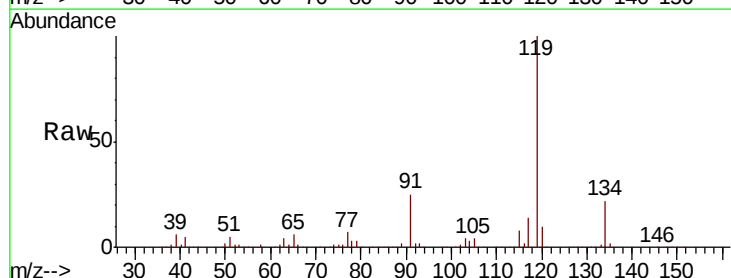
Tgt Ion:119 Resp: 1000373

Ion Ratio Lower Upper

119 100

134 21.8 10.8 32.4

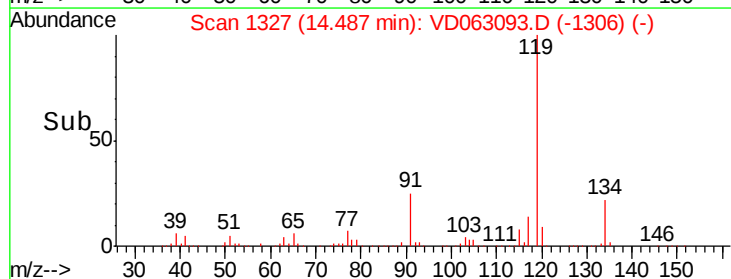
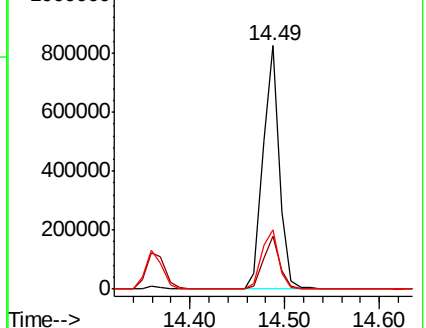
91 24.6 12.5 37.5

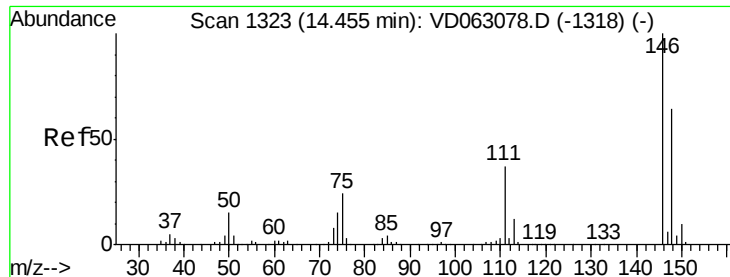


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

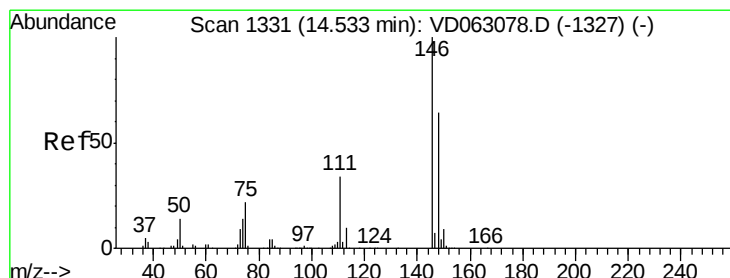
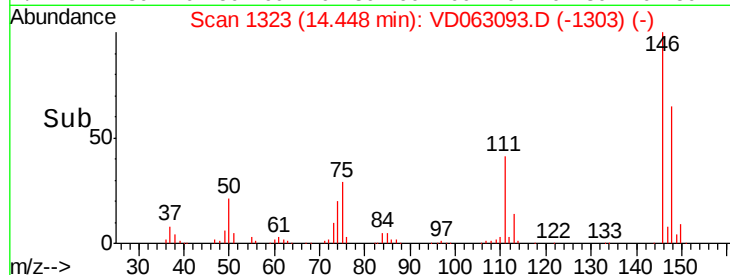
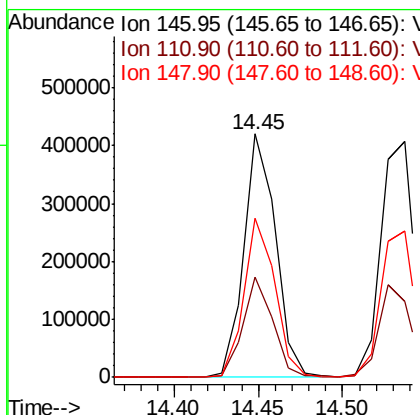
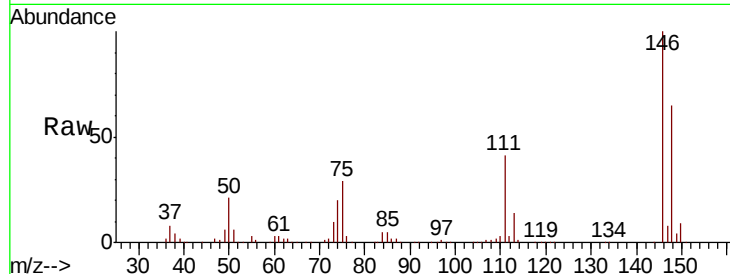




#87
 1,3-Dichlorobenzene
 Concen: 46.241 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

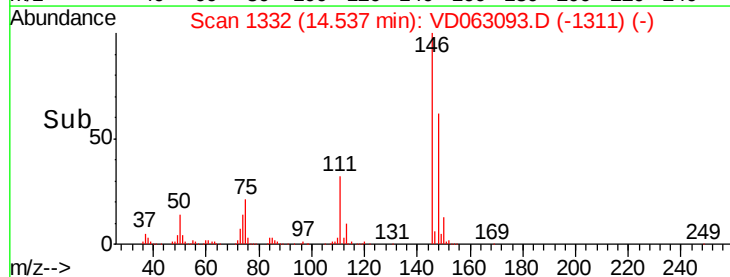
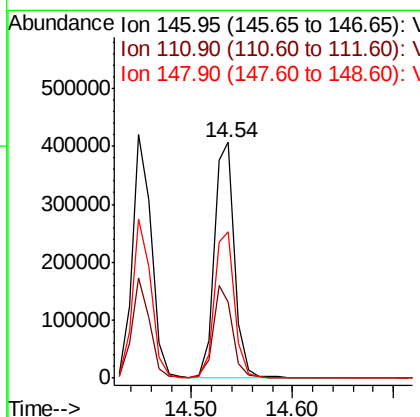
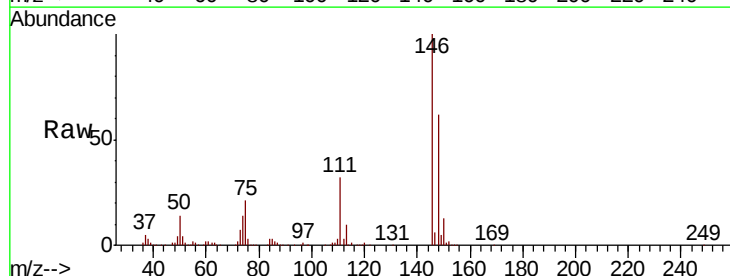
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

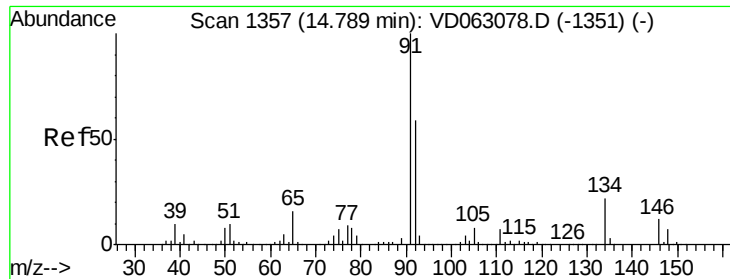
Tot Ion:146 Resp: 550937
 Ion Ratio Lower Upper
 146 100
 111 41.4 18.6 55.6
 148 65.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.846 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion:146 Resp: 569352
 Ion Ratio Lower Upper
 146 100
 111 32.0 17.0 51.0
 148 62.4 32.0 96.2

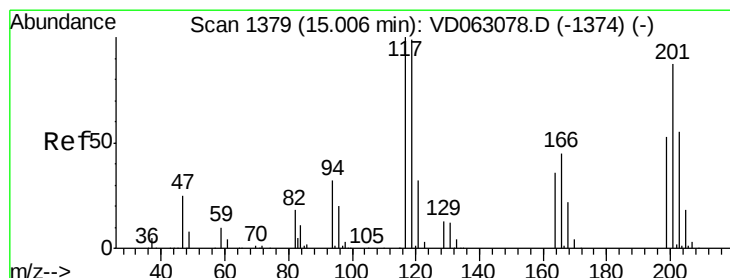
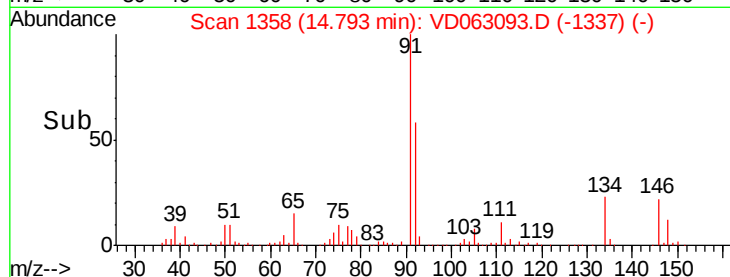
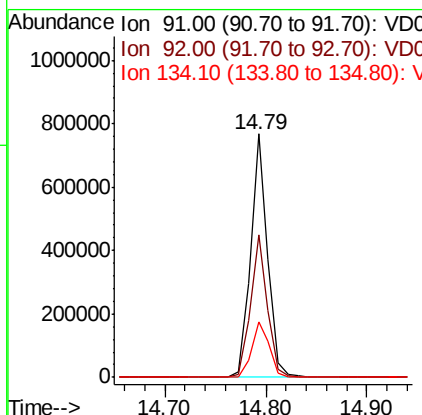
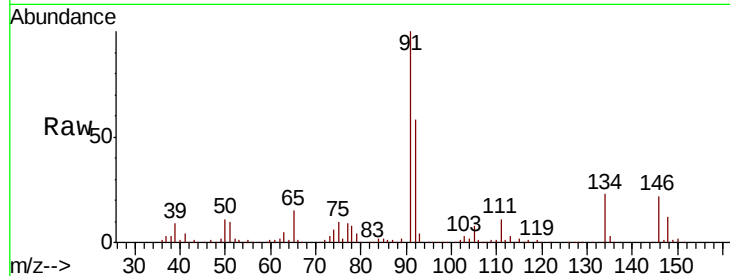




#89
n-Butylbenzene
Concen: 42.561 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

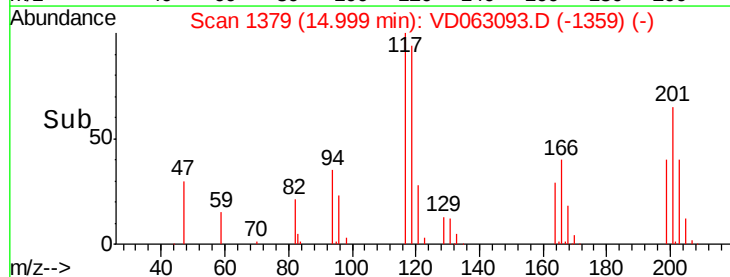
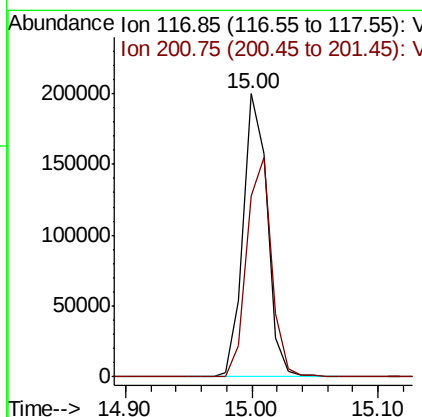
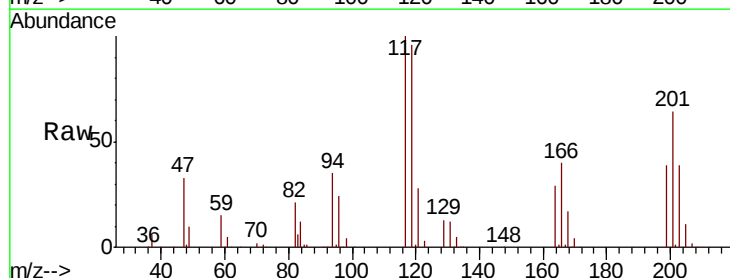
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

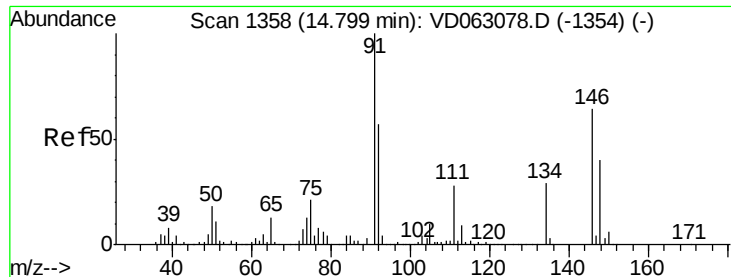
Tot Ion: 91 Resp: 901452
Ion Ratio Lower Upper
91 100
92 58.5 29.4 88.3
134 23.0 11.3 33.8



#90
Hexachloroethane
Concen: 43.075 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 117 Resp: 264612
Ion Ratio Lower Upper
117 100
201 63.8 43.4 130.1





#91

1,2-Dichlorobenzene

Concen: 50.013 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

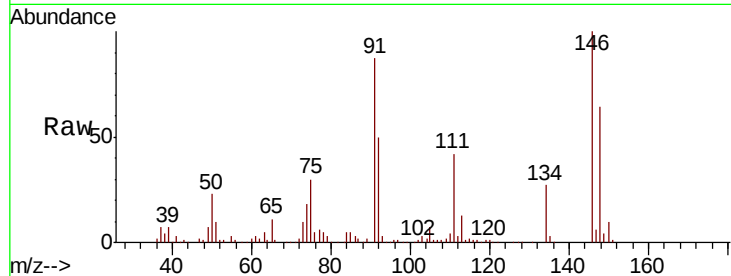
Tot Ion:146 Resp: 530611

Ion Ratio Lower Upper

146 100

111 42.2 21.9 65.5

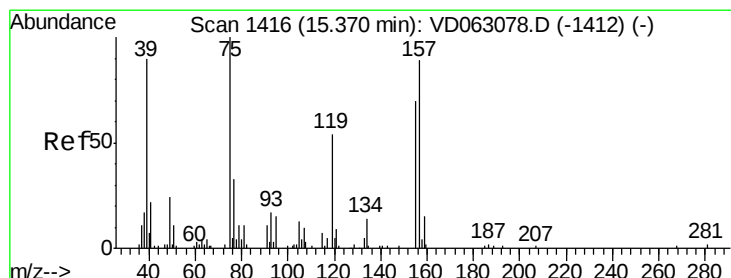
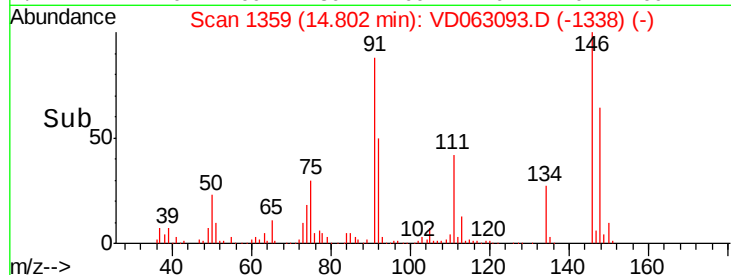
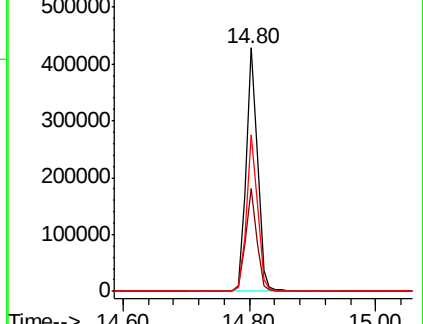
148 64.2 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.682 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

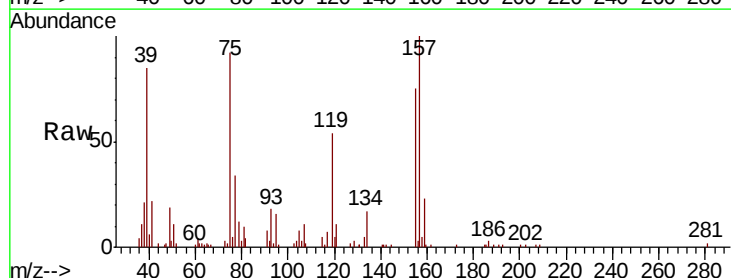
Tgt Ion: 75 Resp: 48967

Ion Ratio Lower Upper

75 100

155 81.6 34.8 104.3

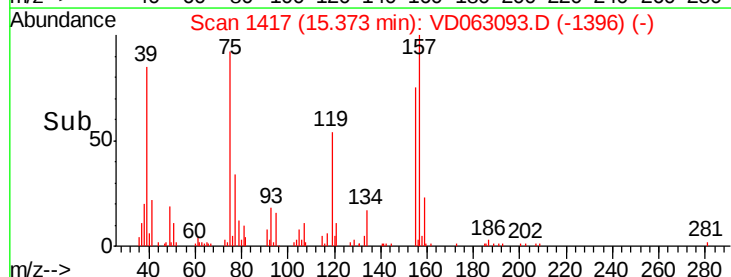
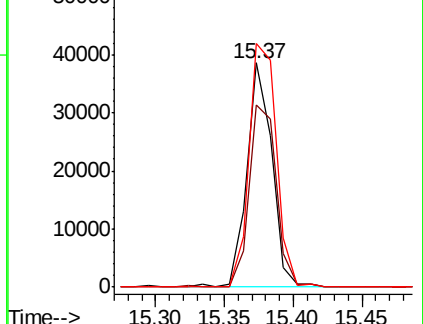
157 108.8 44.7 134.1

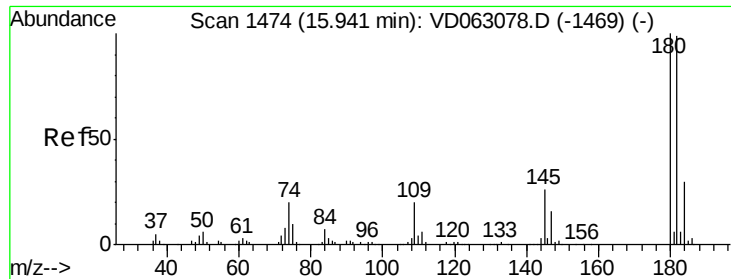


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

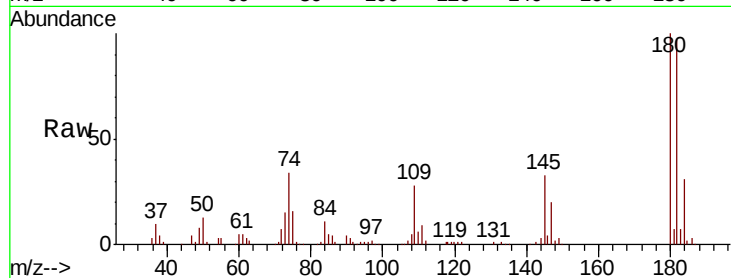




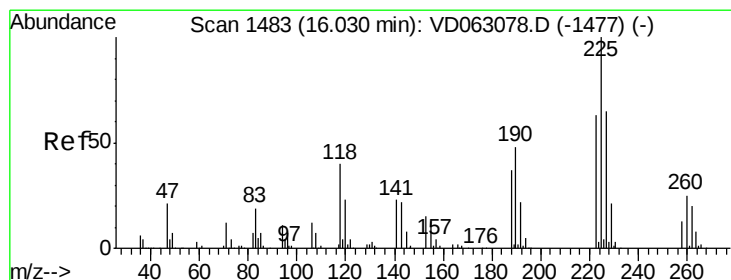
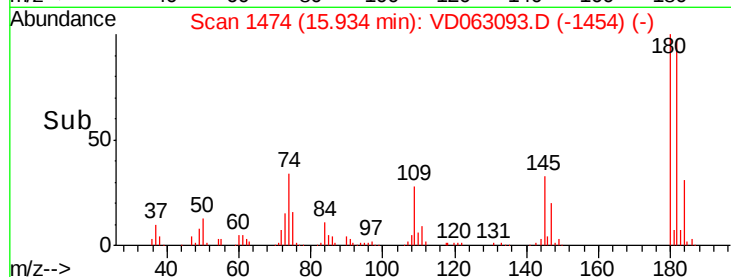
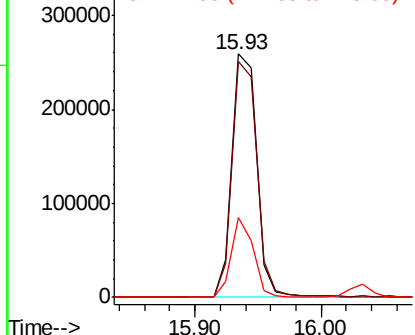
#93
 1,2,4-Trichlorobenzene
 Concen: 44.120 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 351668
 Ion Ratio Lower Upper
 180 100
 182 97.0 49.5 148.3
 145 32.8 12.8 38.4

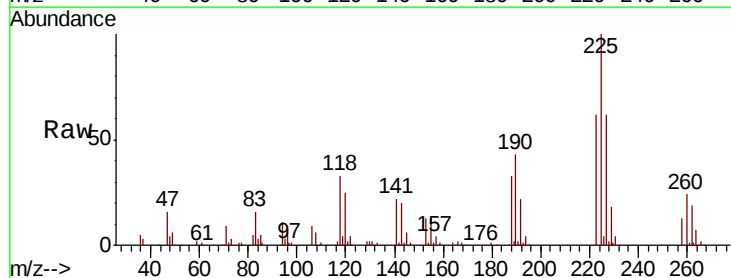


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

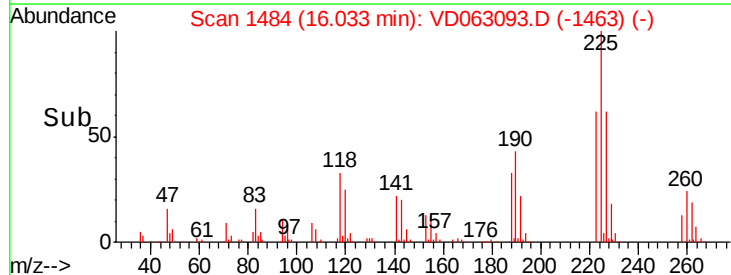
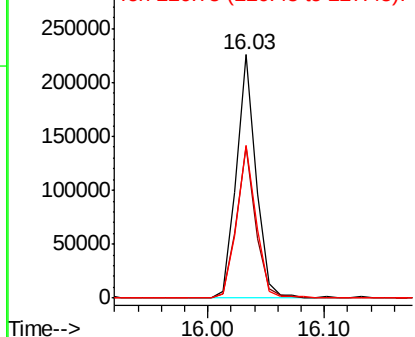


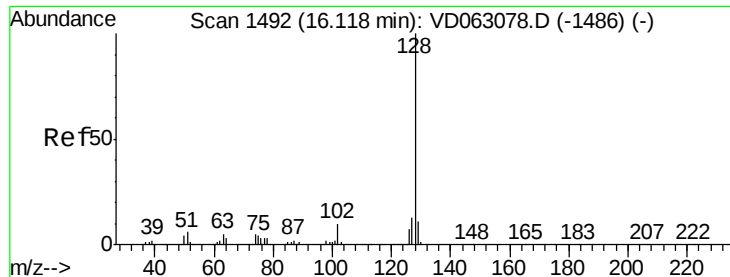
#94
 Hexachlorobutadiene
 Concen: 45.065 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion:225 Resp: 264762
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.2
 227 62.5 32.6 97.8



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

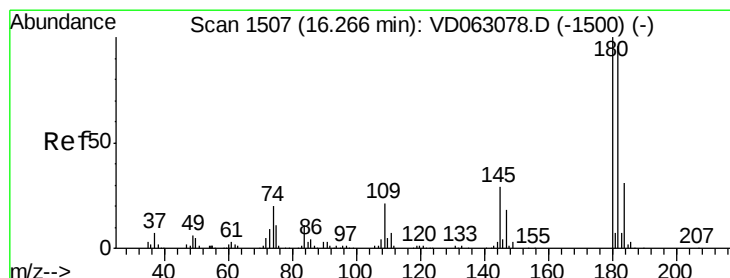
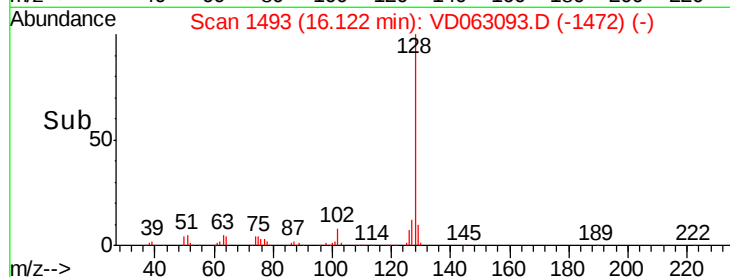
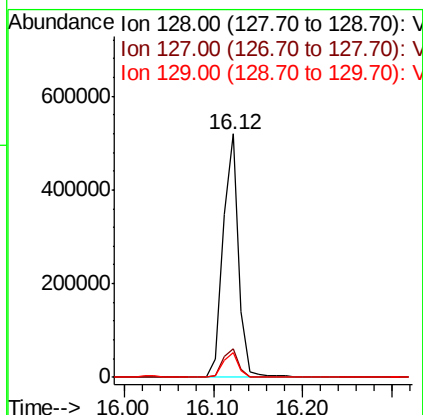
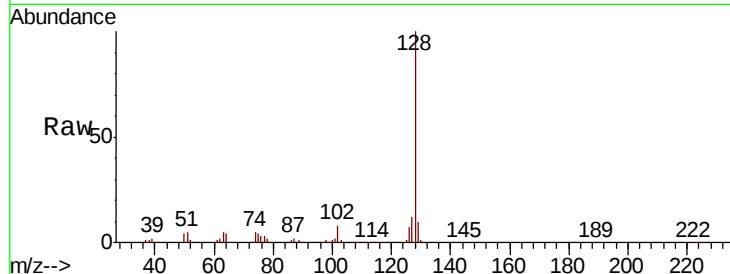




#95
Naphthalene
Concen: 54.991 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 641161
Ion Ratio Lower Upper
128 100
127 11.9 10.7 16.1
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 45.708 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:180 Resp: 293077
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.6
145 28.1 14.4 43.4

