

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032819\
 Data File : VD061389.D
 Acq On : 28 Mar 2019 14:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 28 14:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	803999	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1255107	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1104439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	457924	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	317072	46.17	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	6.92	113	497426	51.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.40	98	1176570	51.15	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	13.55	95	474059	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	419494	48.856	ug/l	98
3) Chloromethane	1.77	50	325518	46.485	ug/l	99
4) Vinyl Chloride	1.86	62	285489	44.402	ug/l	98
5) Bromomethane	2.16	94	63090	49.483	ug/l	97
6) Chloroethane	2.28	64	105699	56.058	ug/l	98
7) Trichlorofluoromethane	2.54	101	479556	51.291	ug/l	100
8) Diethyl Ether	2.88	74	137725	45.752	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	503503	50.092	ug/l	99
10) Methyl Iodide	3.32	142	703200	46.294	ug/l	97
11) Tert butyl alcohol	4.06	59	99071	231.625	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	424442	49.183	ug/l	92
13) Acrolein	3.05	56	84140	259.013	ug/l	100
14) Allyl chloride	3.63	41	602869	50.086	ug/l	96
15) Acrylonitrile	4.20	53	347029	233.762	ug/l	98
16) Acetone	3.22	43	498705	282.464	ug/l	97
17) Carbon Disulfide	3.38	76	1362934	48.609	ug/l	100
18) Methyl Acetate	3.65	43	163444	44.029	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	705104	47.201	ug/l	99
20) Methylene Chloride	3.82	84	512784	51.919	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	455981	48.940	ug/l	99
22) Diisopropyl ether	5.12	45	1222795	48.007	ug/l	97
23) Vinyl Acetate	5.05	43	3336227	241.128	ug/l	98
24) 1,1-Dichloroethane	4.98	63	744962	49.766	ug/l	98
25) 2-Butanone	6.06	43	532457	239.747	ug/l	98
26) 2,2-Dichloropropane	6.03	77	579300	48.682	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	476268	46.656	ug/l	96
28) Bromochloromethane	6.43	49	290667	48.103	ug/l #	100
29) Tetrahydrofuran	6.45	42	256920	238.670	ug/l	99
30) Chloroform	6.66	83	761750	49.249	ug/l	99
31) Cyclohexane	6.95	56	576370	48.724	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	656051	48.078	ug/l	97
36) 1,1-Dichloropropene	7.14	75	597542	54.549	ug/l	98
37) Ethyl Acetate	6.18	43	231890	49.498	ug/l	99
38) Carbon Tetrachloride	7.11	117	740817	58.853	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	632865	55.472	ug/l	97
40) Benzene	7.45	78	1433740	52.151	ug/l	98
41) Methacrylonitrile	6.43	41	292581	53.413	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	403038	49.010	ug/l	100
43) Isopropyl Acetate	9.23	43	371159	54.451	ug/l #	97
44) Trichloroethene	8.53	130	549723	53.730	ug/l	99
45) 1,2-Dichloropropane	8.93	63	364203	52.244	ug/l	96
46) Dibromomethane	9.05	93	255930	54.544	ug/l	93
47) Bromodichloromethane	9.37	83	561098	53.279	ug/l	98
48) Methyl methacrylate	9.11	41	194669	51.748	ug/l	97
49) 1,4-Dioxane	9.07	88	45593	1098.803	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1029040	248.138	ug/l	98
52) Toluene	10.50	92	859786	51.262	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	495939	51.832	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	587243	50.403	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	300738	51.271	ug/l	98
56) Ethyl methacrylate	11.03	69	317166	50.334	ug/l	94
57) 1,3-Dichloropropane	11.40	76	426336	49.451	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	756886	246.648	ug/l	100
59) 2-Hexanone	11.52	43	771271	256.692	ug/l	98
60) Dibromochloromethane	11.68	129	461004	50.982	ug/l	99
61) 1,2-Dibromoethane	11.80	107	337372	49.671	ug/l	98
64) Tetrachloroethene	11.25	164	394971	45.567	ug/l	98
65) Chlorobenzene	12.39	112	1108735	49.122	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	409362	46.842	ug/l	98
67) Ethyl Benzene	12.52	91	1551154	45.024	ug/l	99
68) m/p-Xylenes	12.66	106	1263434	96.811	ug/l	100
69) o-Xylene	13.04	106	591078	46.672	ug/l	97
70) Styrene	13.07	104	982309	44.495	ug/l	97
71) Bromoform	13.22	173	244108	44.064	ug/l	97
73) Isopropylbenzene	13.40	105	1653027	51.866	ug/l	98
74) N-amyl acetate	13.26	43	425213	47.893	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	316470	47.071	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	322062	48.688	ug/l	99
77) Bromobenzene	13.67	156	444479	47.043	ug/l	82
78) n-propylbenzene	13.77	91	1910261	48.978	ug/l	97
79) 2-Chlorotoluene	13.83	91	1048024	49.488	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1289533	52.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	104591	51.858	ug/l	94
82) 4-Chlorotoluene	13.94	91	1115374	48.438	ug/l	98
83) tert-Butylbenzene	14.18	119	1538643	49.788	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1273922	47.585	ug/l	99
85) sec-Butylbenzene	14.36	105	1682451	51.247	ug/l	100
86) p-Isopropyltoluene	14.48	119	1346838	48.515	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	787187	49.199	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	779287	49.944	ug/l	98
89) n-Butylbenzene	14.79	91	1195081	46.902	ug/l	100
90) Hexachloroethane	15.00	117	399804	50.977	ug/l	65
91) 1,2-Dichlorobenzene	14.80	146	611237	46.574	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	40326	51.141	ug/l	95

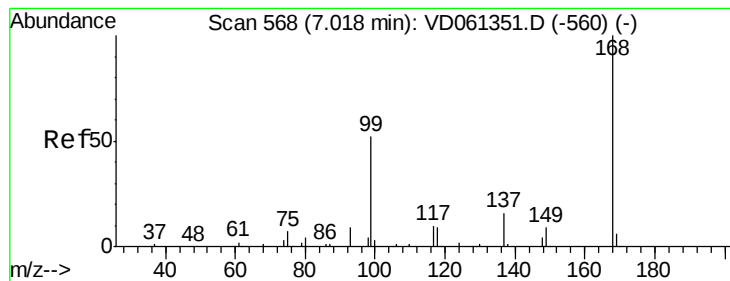
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032819\
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Acq On : 28 Mar 2019 14:01
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247925	41.470	ug/l	96
94) Hexachlorobutadiene	16.03	225	220934	47.292	ug/l	97
95) Naphthalene	16.12	128	397080	43.575	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	105303	40.028	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

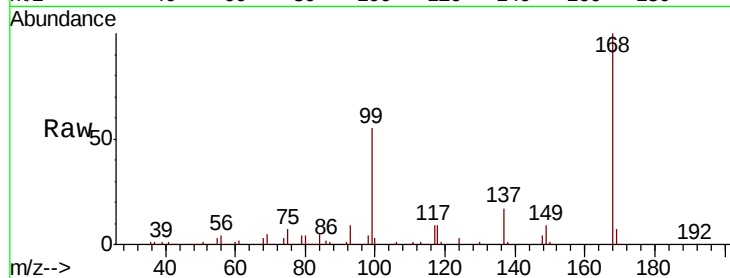
VSTDCCC050

Tgt Ion:168 Resp: 803999

Ion Ratio Lower Upper

168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

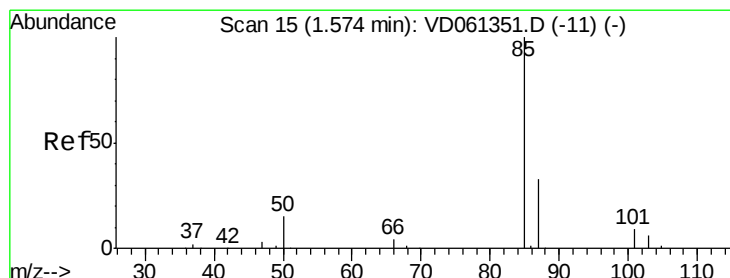
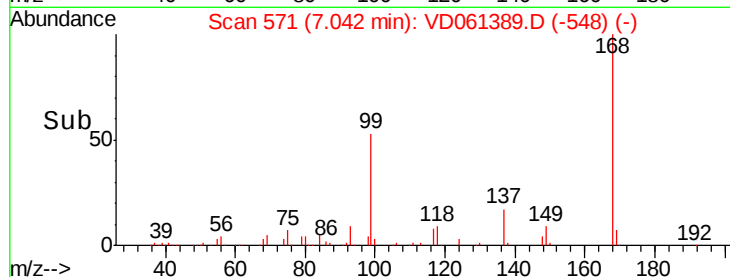
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.856 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061389.D

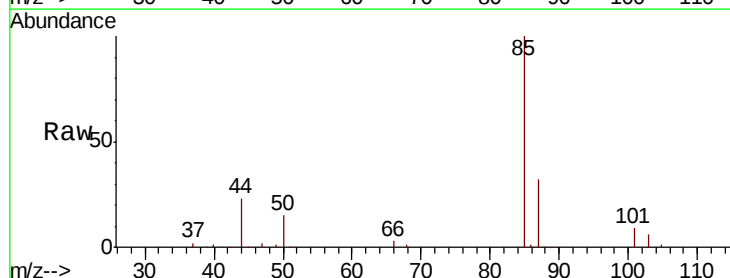
Acq: 28 Mar 2019 14:01

Tgt Ion: 85 Resp: 419494

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

150000

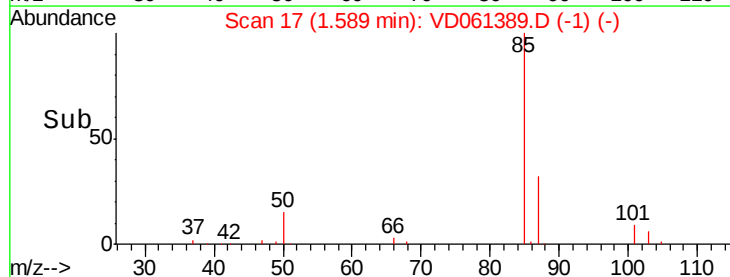
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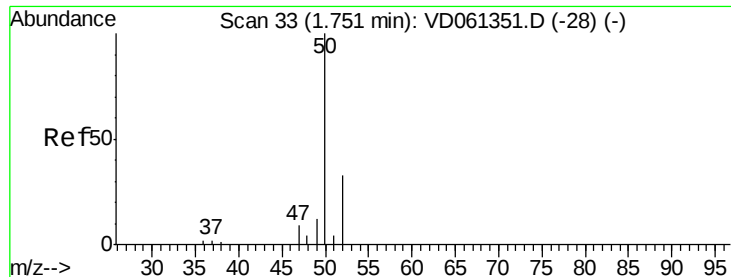
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.485 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

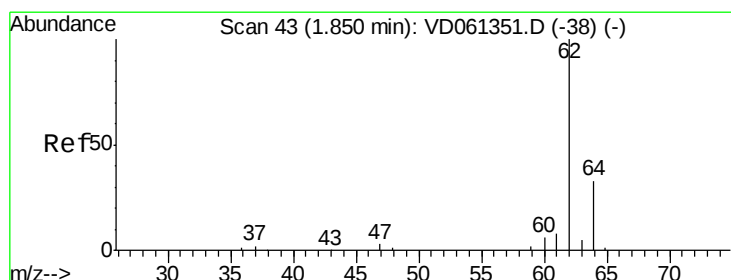
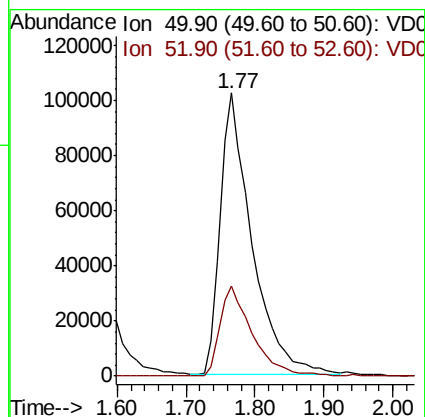
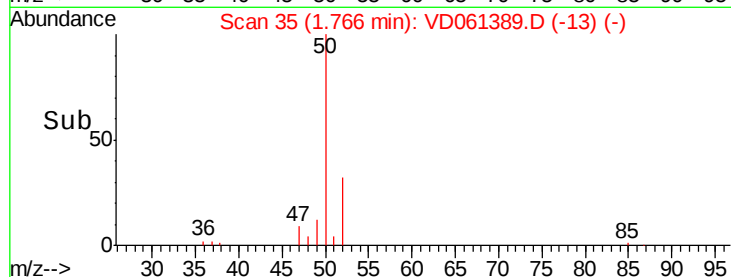
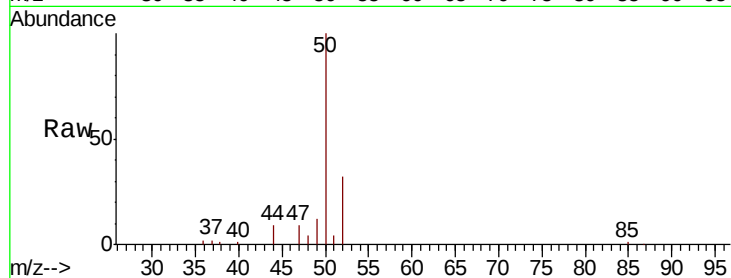
VSTDCCC050

Tgt Ion: 50 Resp: 325518

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 44.402 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061389.D

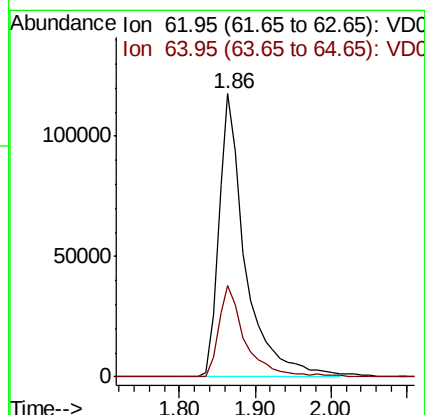
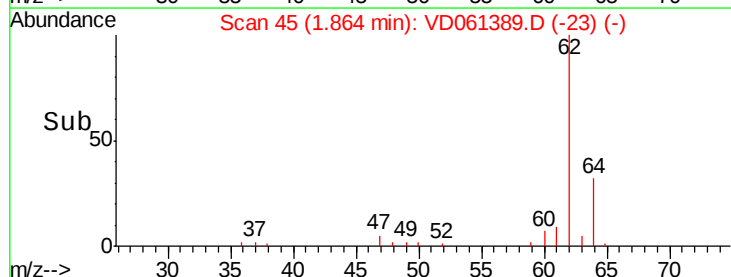
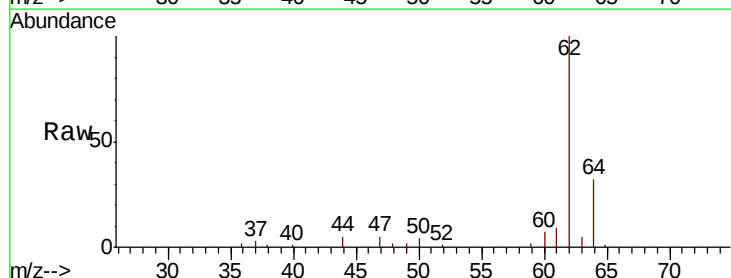
Acq: 28 Mar 2019 14:01

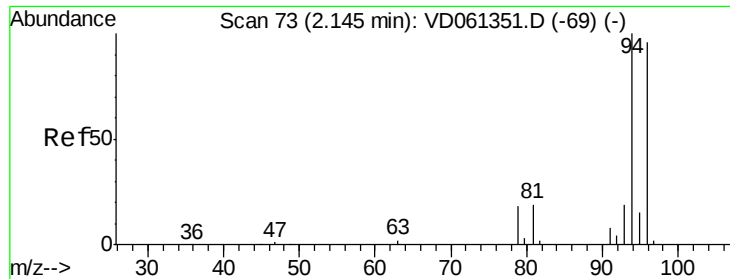
Tgt Ion: 62 Resp: 285489

Ion Ratio Lower Upper

62 100

64 32.2 26.6 39.8

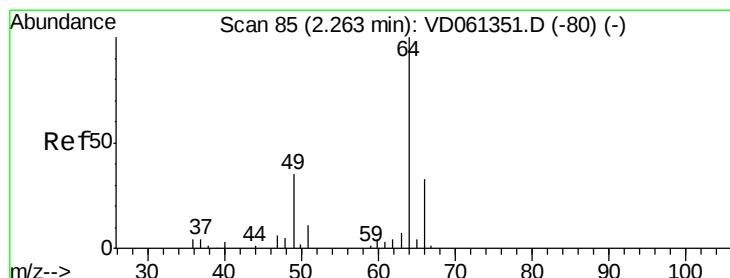
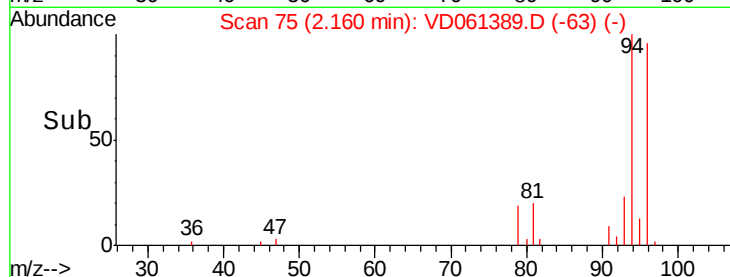
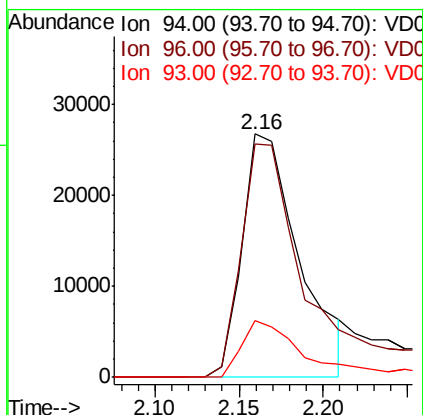
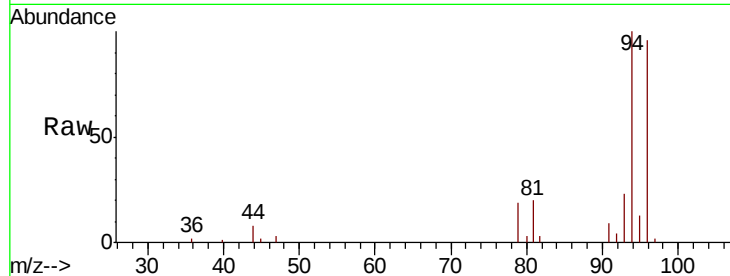




#5
 Bromomethane
 Concen: 49.483 ug/l
 RT: 2.16 min Scan# 75
 Delta R.T. 0.01 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

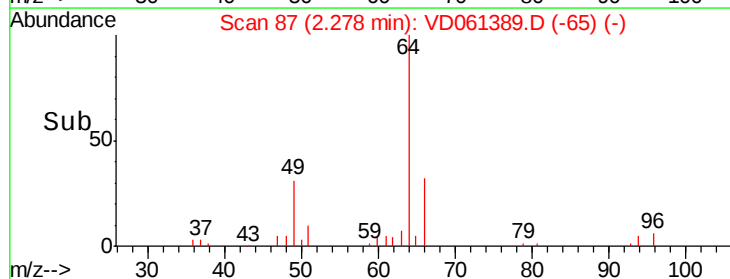
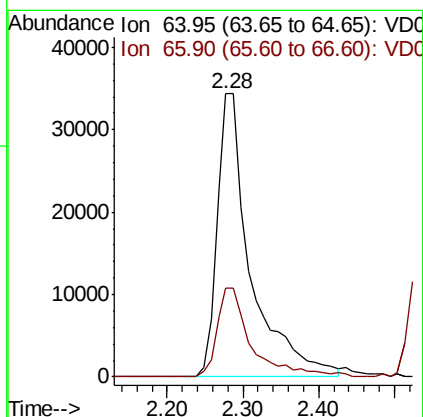
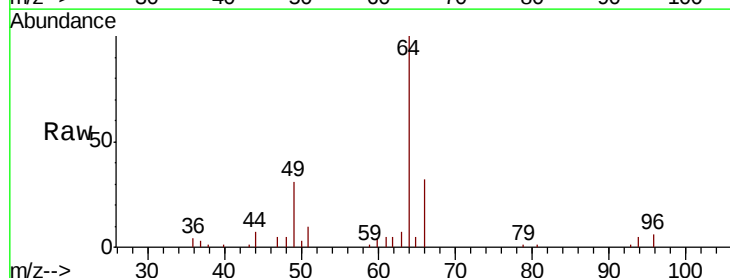
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

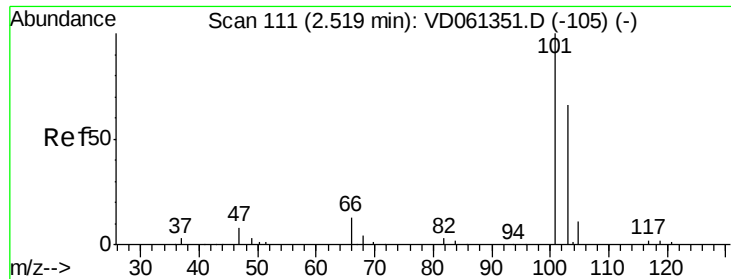
Tgt Ion: 94 Resp: 63090
 Ion Ratio Lower Upper
 94 100
 96 95.6 78.3 117.5
 93 23.2 15.6 23.4



#6
 Chloroethane
 Concen: 56.058 ug/l
 RT: 2.28 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 64 Resp: 105699
 Ion Ratio Lower Upper
 64 100
 66 31.6 26.2 39.2



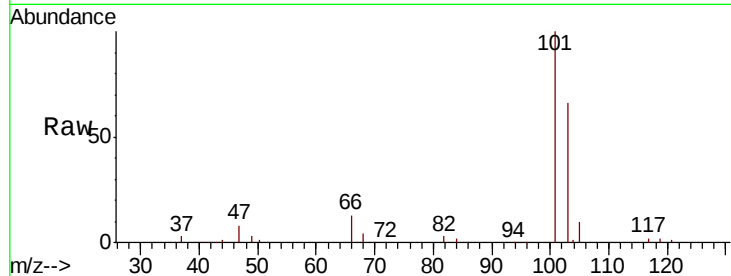


#7

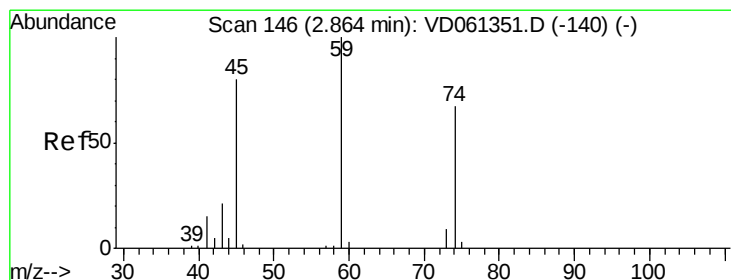
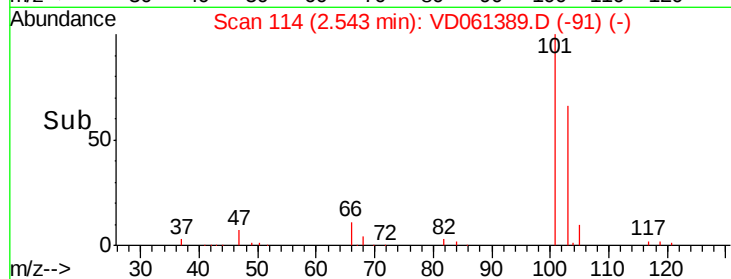
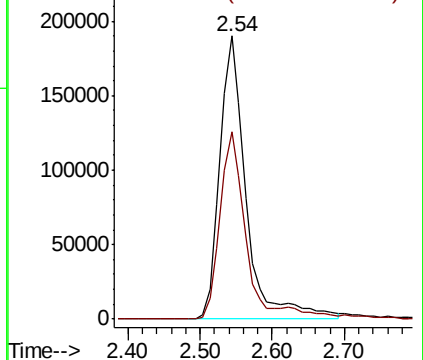
Trichlorofluoromethane
Concen: 51.291 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 479556
Ion Ratio Lower Upper
101 100
103 66.1 53.1 79.7



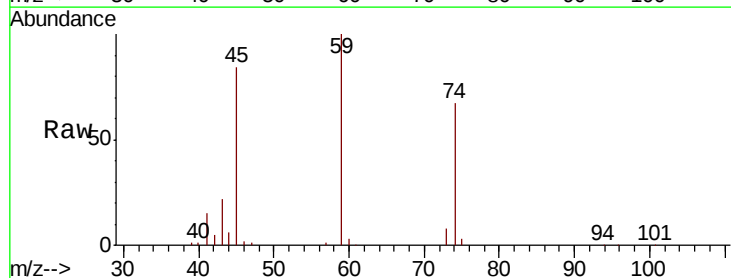
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



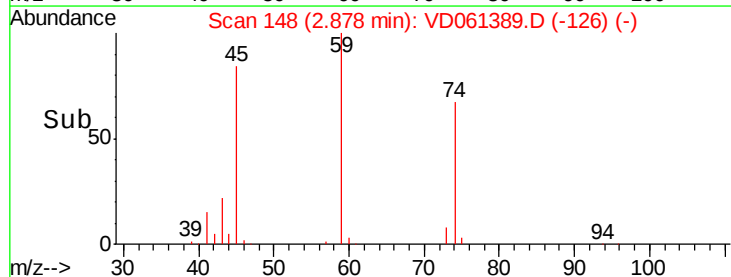
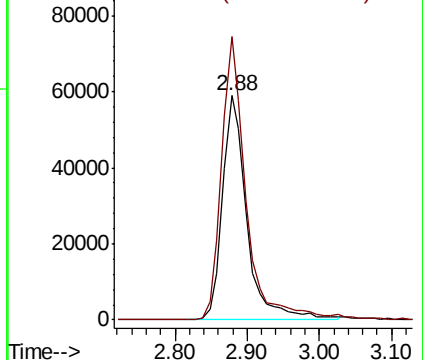
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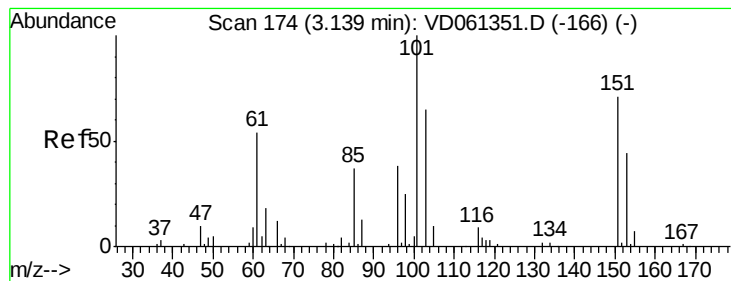
Diethyl Ether
Concen: 45.752 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 74 Resp: 137725
Ion Ratio Lower Upper
74 100
45 126.3 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.092 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

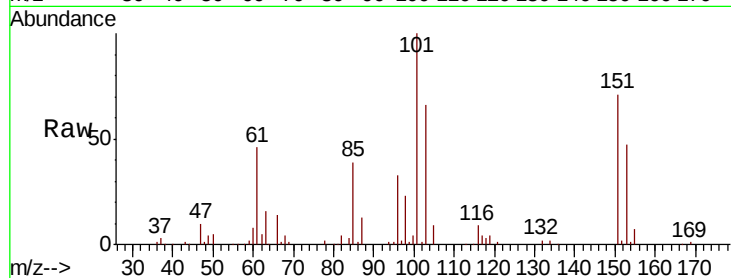
Tgt Ion:101 Resp: 503503

Ion Ratio Lower Upper

101 100

85 38.5 29.4 44.0

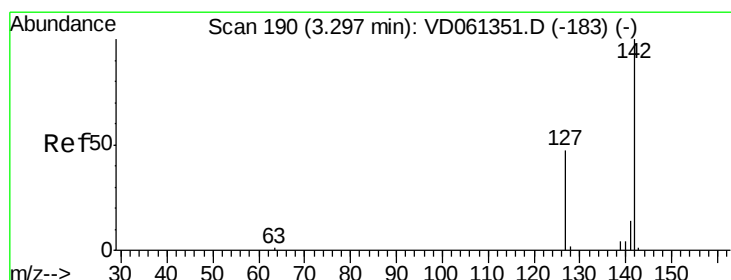
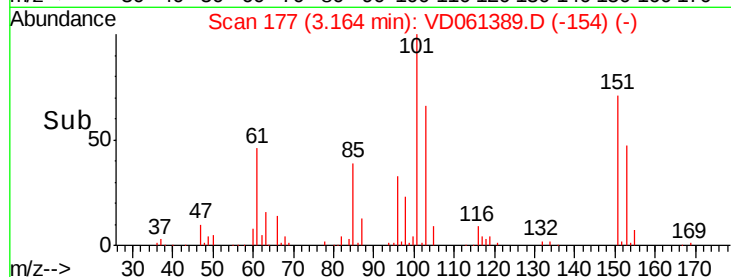
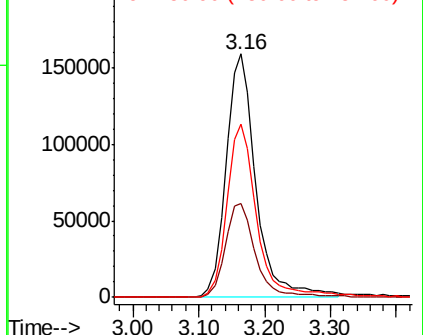
151 71.0 57.0 85.4



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: 46.294 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

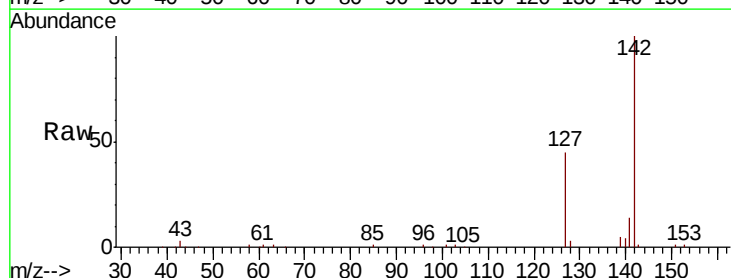
Tgt Ion:142 Resp: 703200

Ion Ratio Lower Upper

142 100

127 44.6 37.7 56.5

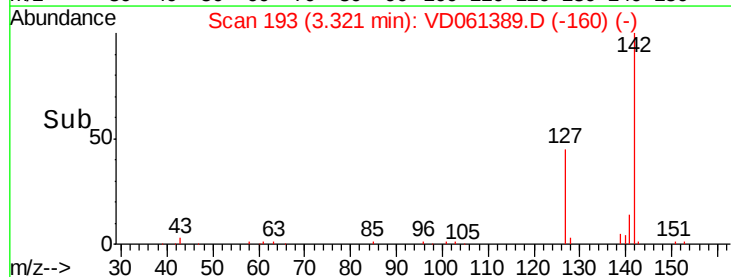
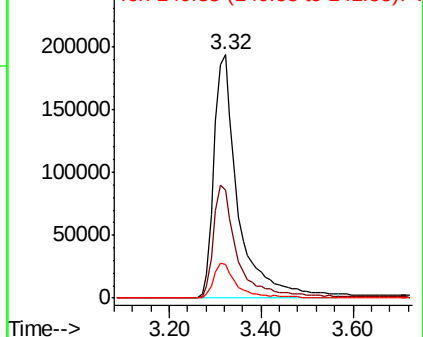
141 14.0 11.5 17.3

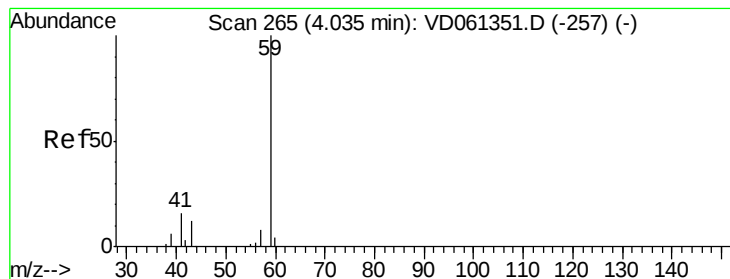


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



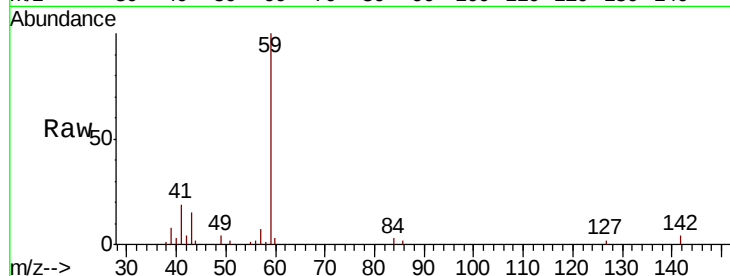


#11

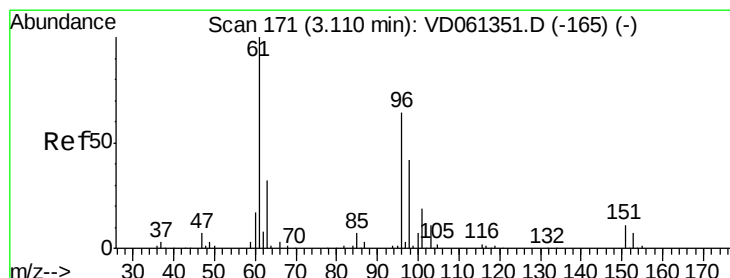
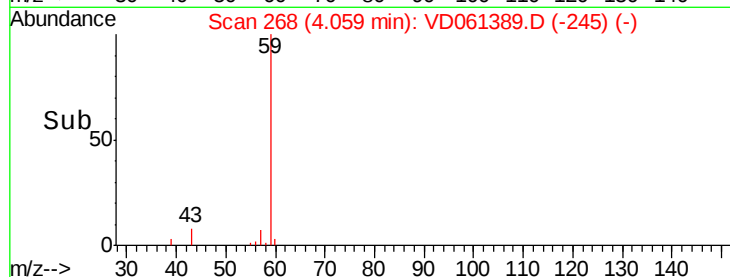
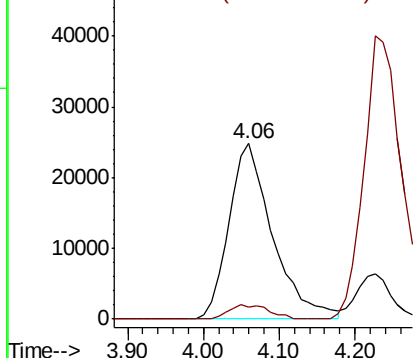
Tert butyl alcohol
Concen: 231.625 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 99071
Ion Ratio Lower Upper
59 100
57 6.7 6.7 10.1#



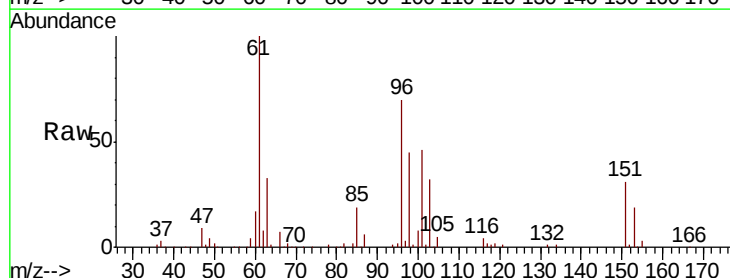
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



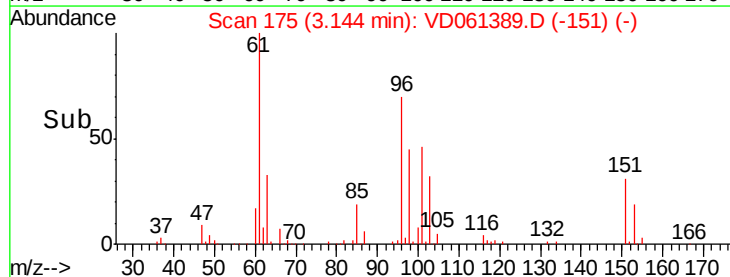
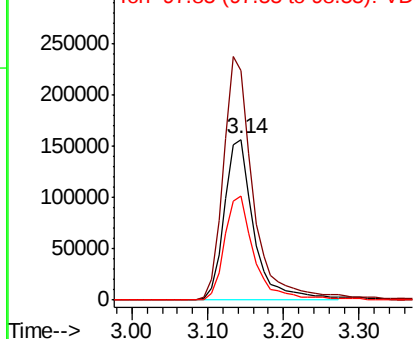
#12

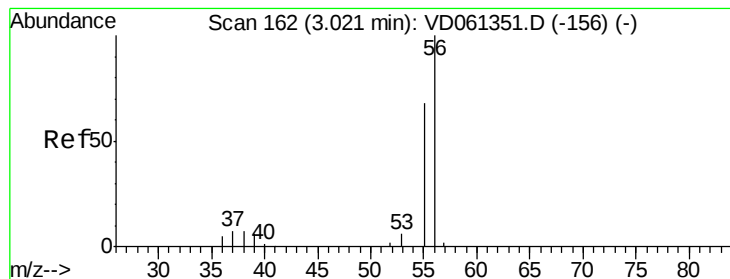
1,1-Dichloroethene
Concen: 49.183 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 96 Resp: 424442
Ion Ratio Lower Upper
96 100
61 142.7 124.9 187.3
98 64.7 52.5 78.7



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





#13

Acrolein

Concen: 259.013 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

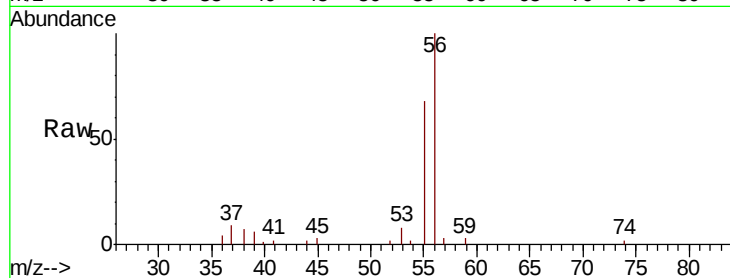
VSTDCCC050

Tgt Ion: 56 Resp: 84140

Ion Ratio Lower Upper

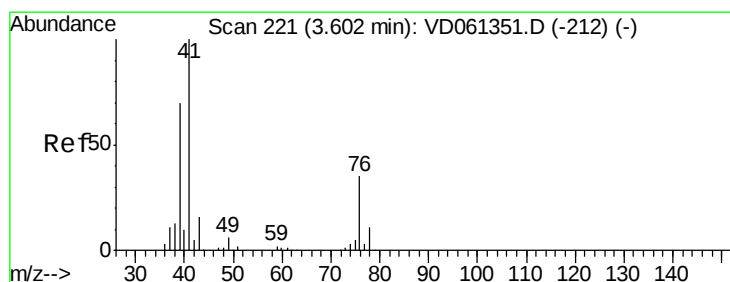
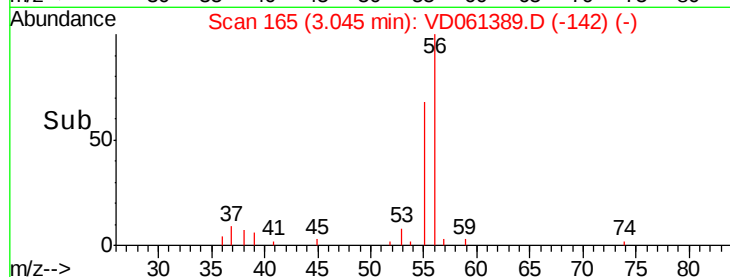
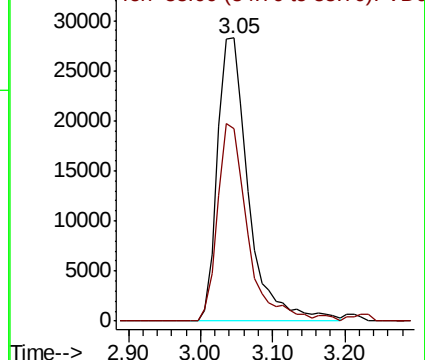
56 100

55 68.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.086 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

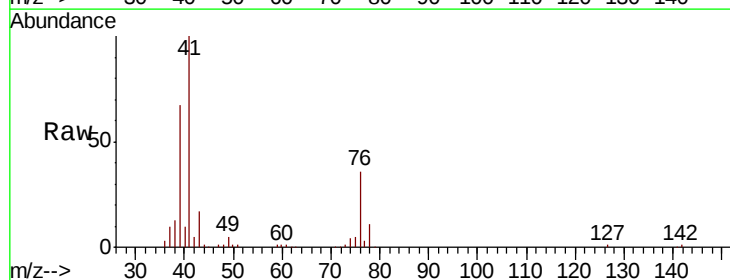
Tgt Ion: 41 Resp: 602869

Ion Ratio Lower Upper

41 100

39 66.6 55.6 83.4

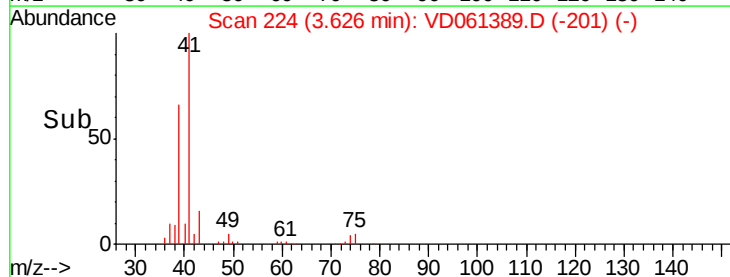
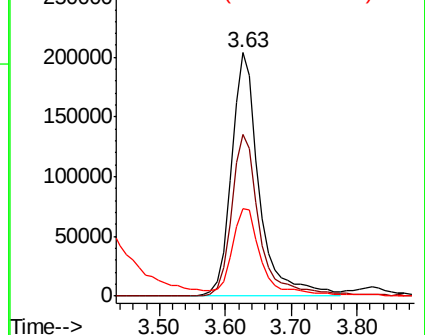
76 35.8 31.0 46.6

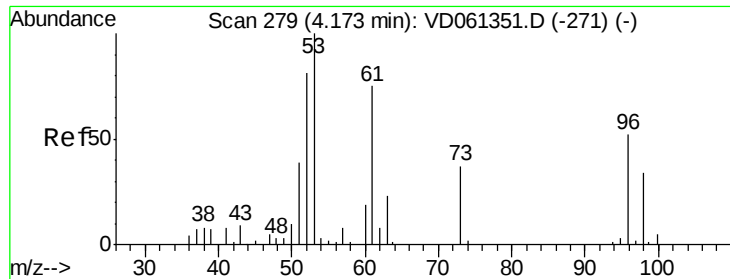


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 233.762 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

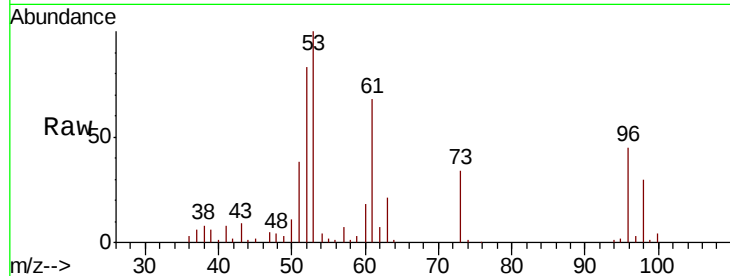
Tgt Ion: 53 Resp: 347029

Ion Ratio Lower Upper

53 100

52 83.0 64.8 97.2

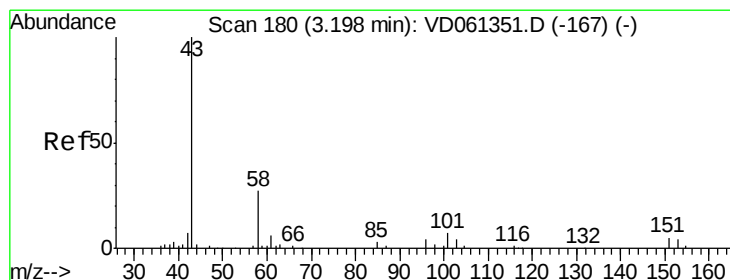
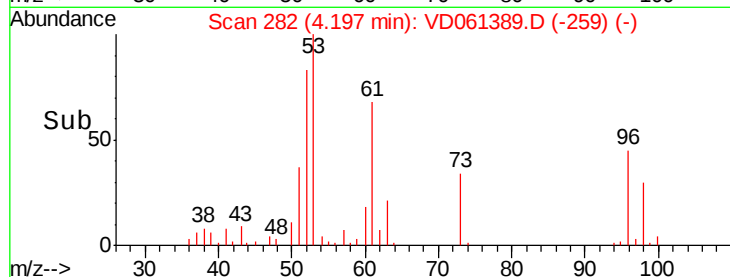
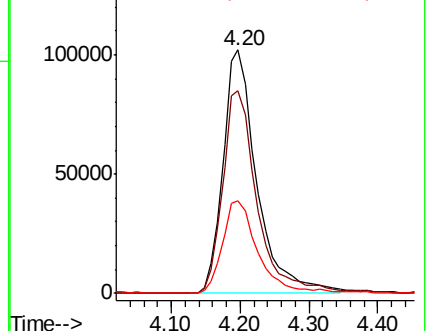
51 38.0 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 282.464 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061389.D

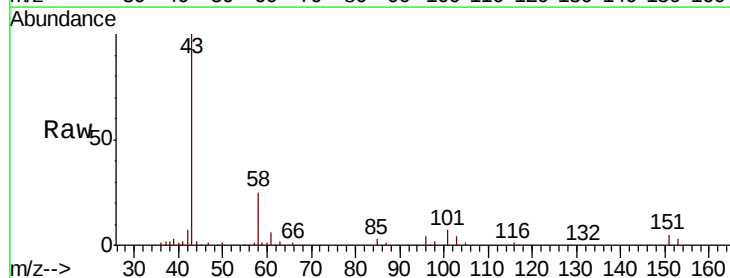
Acq: 28 Mar 2019 14:01

Tgt Ion: 43 Resp: 498705

Ion Ratio Lower Upper

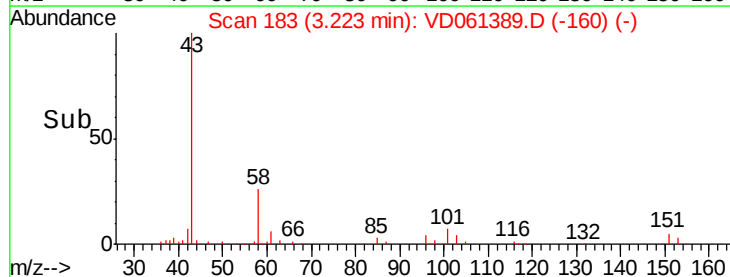
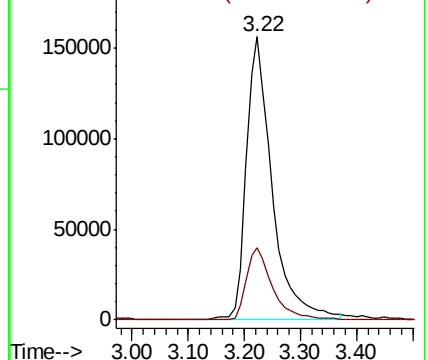
43 100

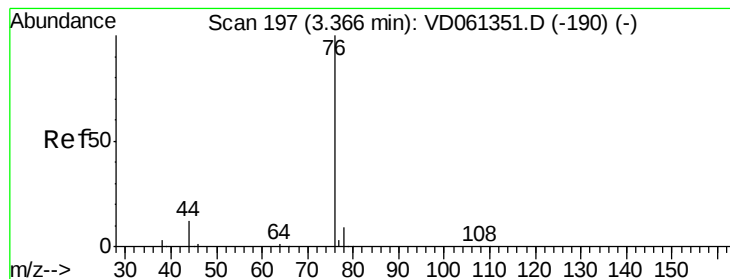
58 25.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.609 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

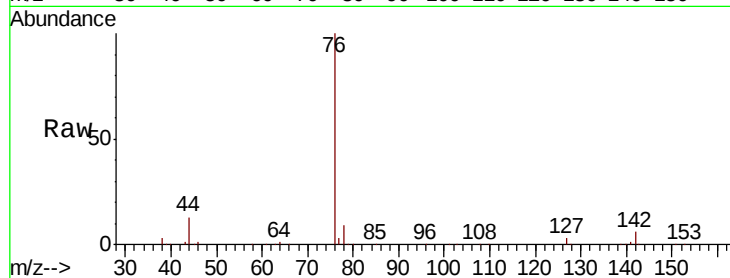
VSTDCCC050

Tgt Ion: 76 Resp: 1362934

Ion Ratio Lower Upper

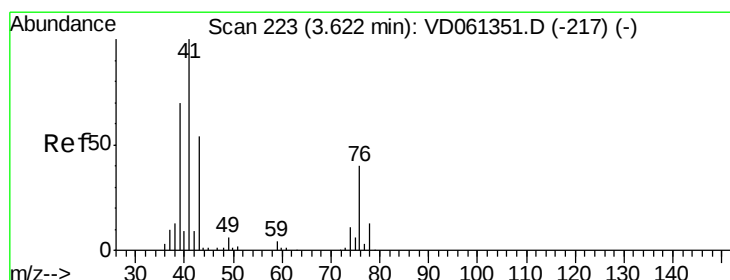
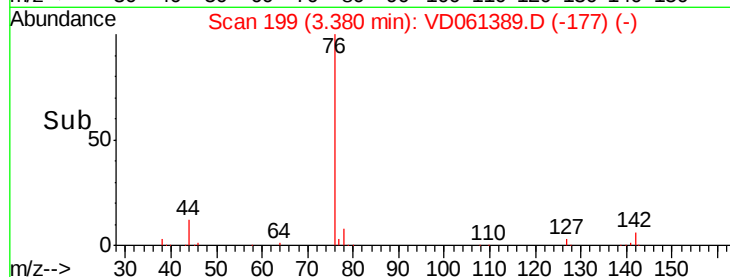
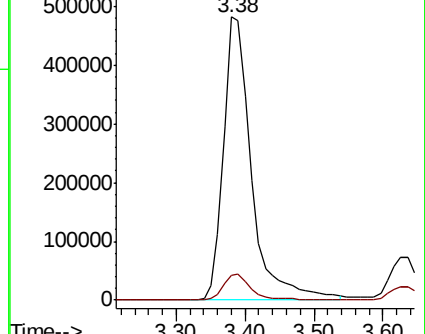
76 100

78 8.8 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.029 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061389.D

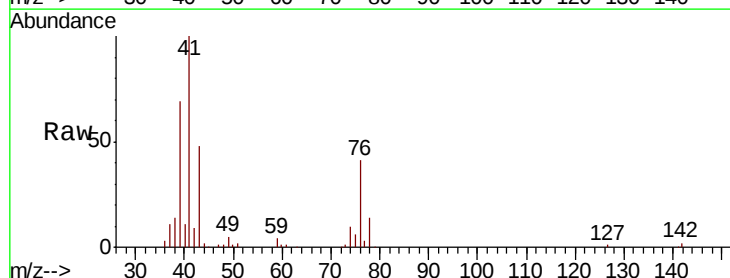
Acq: 28 Mar 2019 14:01

Tgt Ion: 43 Resp: 163444

Ion Ratio Lower Upper

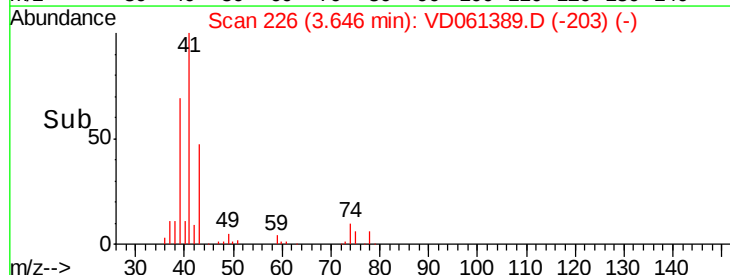
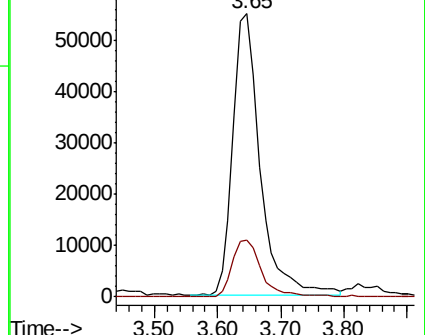
43 100

74 20.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

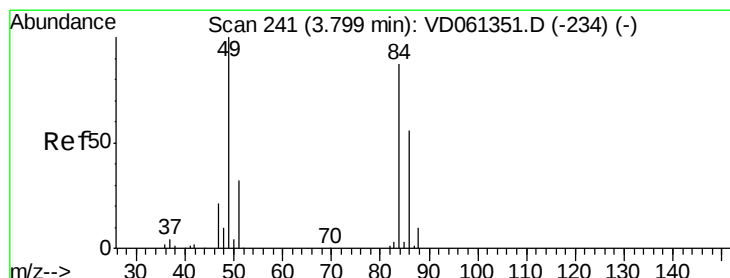
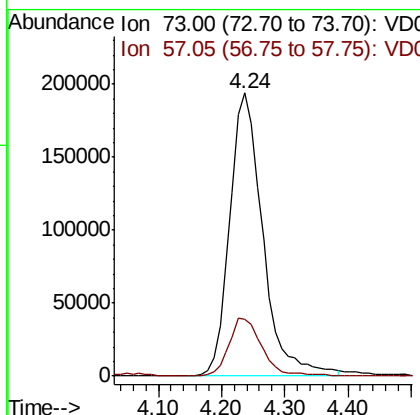
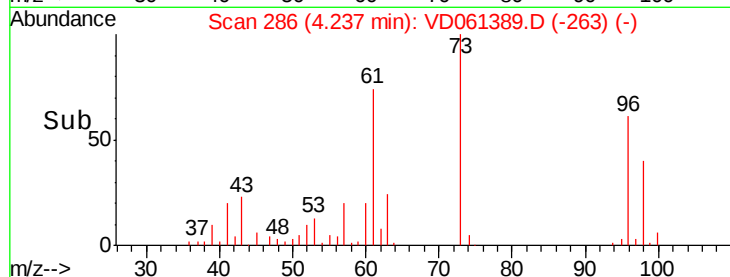
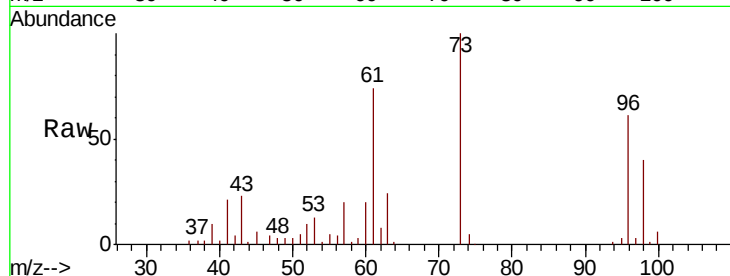




#19
Methyl tert-butyl Ether
Concen: 47.201 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

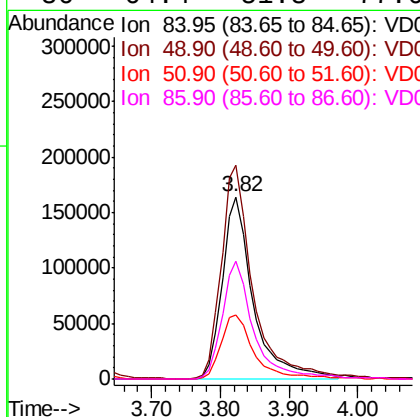
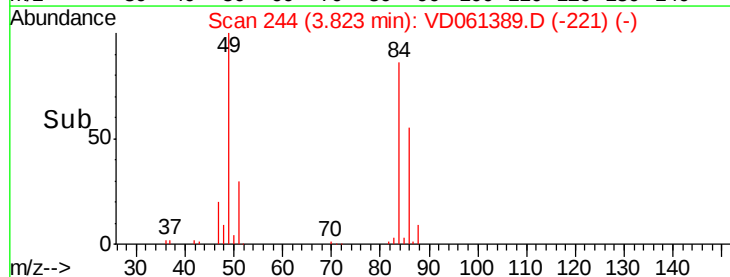
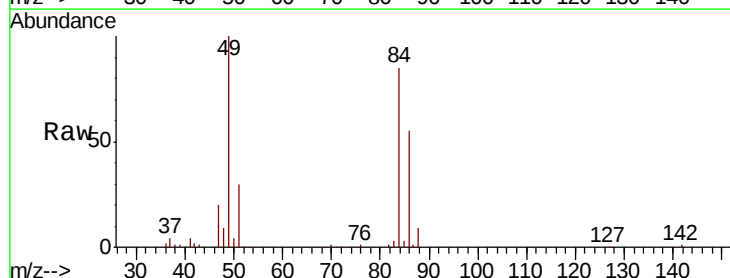
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 705104
Ion Ratio Lower Upper
73 100
57 20.2 16.4 24.6



#20
Methylene Chloride
Concen: 51.919 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 84 Resp: 512784
Ion Ratio Lower Upper
84 100
49 117.1 91.8 137.8
51 35.2 29.8 44.8
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.940 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

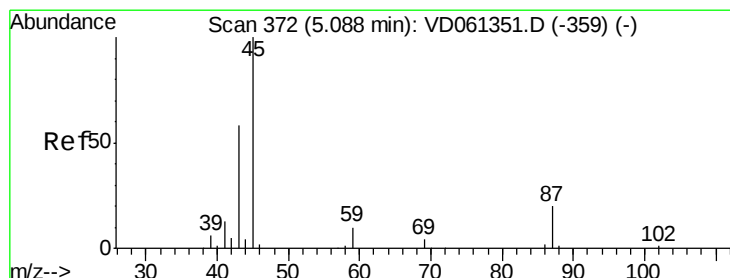
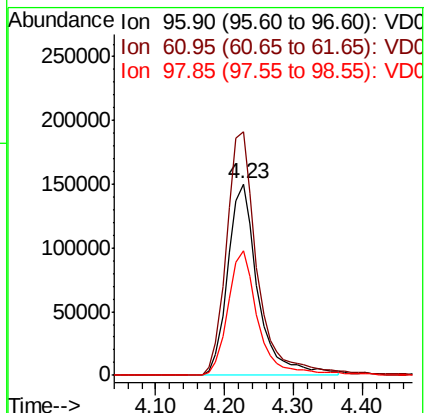
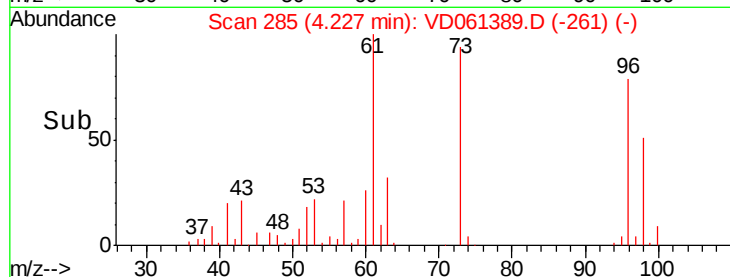
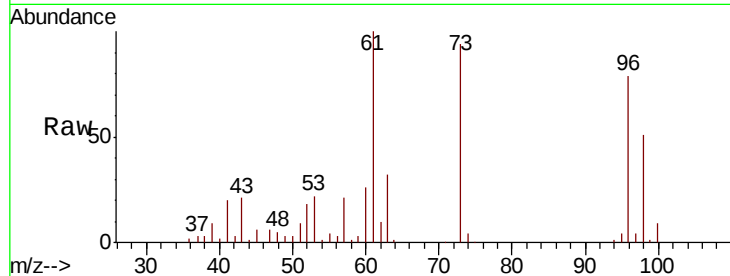
Tgt Ion: 96 Resp: 455981

Ion Ratio Lower Upper

96 100

61 127.2 102.7 154.1

98 64.9 52.2 78.4



#22

Diisopropyl ether

Concen: 48.007 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Tgt Ion: 45 Resp: 1222795

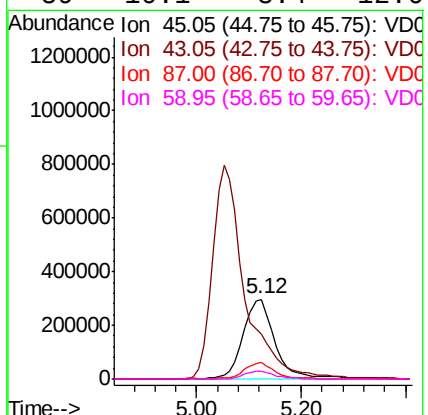
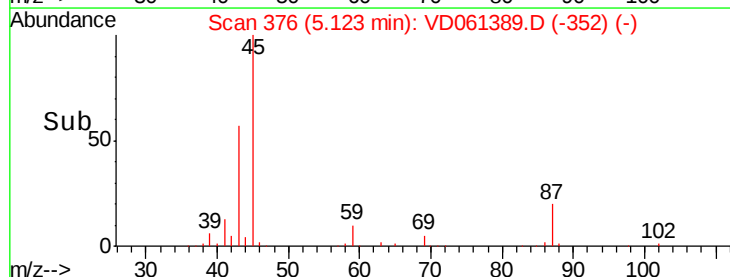
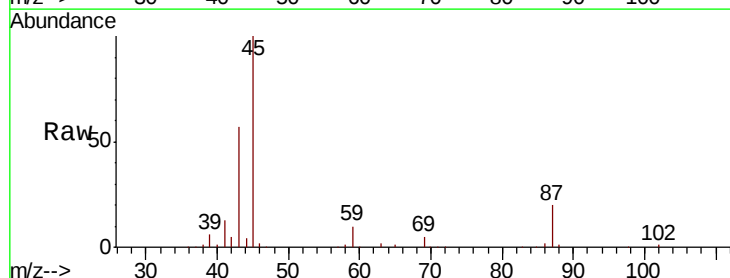
Ion Ratio Lower Upper

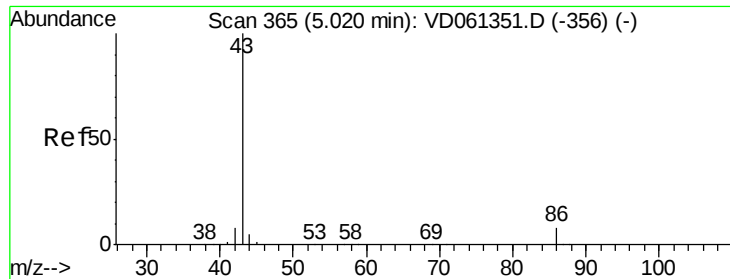
45 100

43 56.8 47.4 71.2

87 20.1 16.3 24.5

59 10.1 8.4 12.6

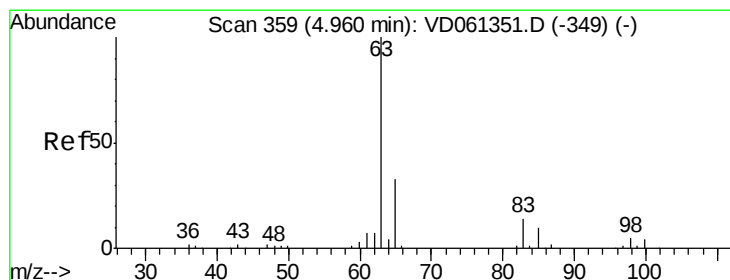
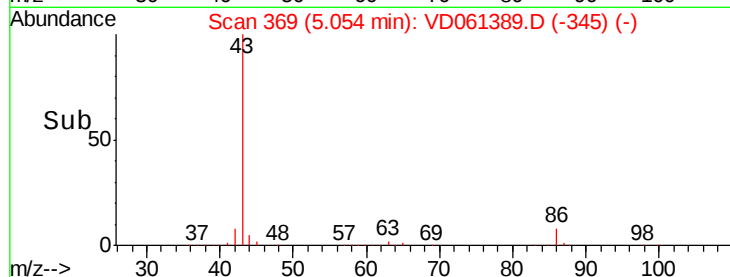
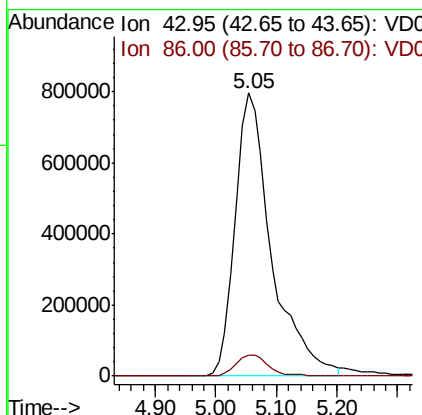
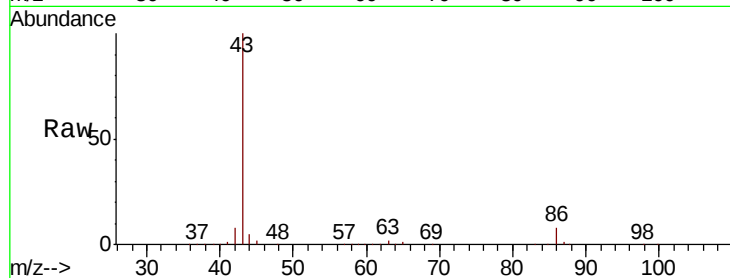




#23
 Vinyl Acetate
 Concen: 241.128 ug/l
 RT: 5.05 min Scan# 369
 Delta R.T. 0.03 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

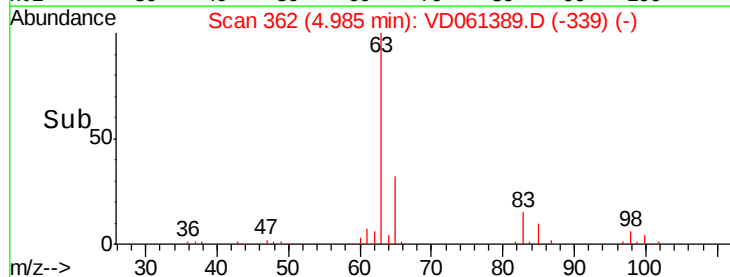
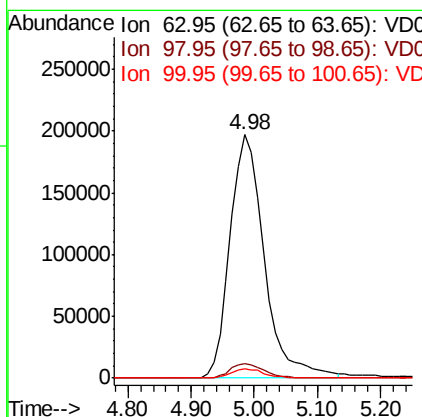
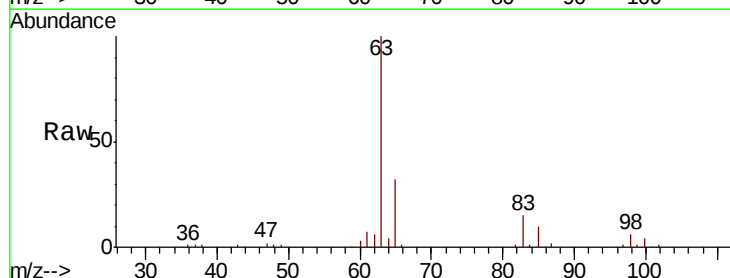
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

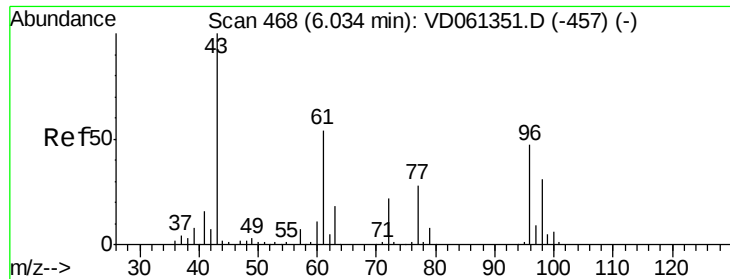
Tgt Ion: 43 Resp: 3336227
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 49.766 ug/l
 RT: 4.98 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 63 Resp: 744962
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.6 8.0
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 239.747 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

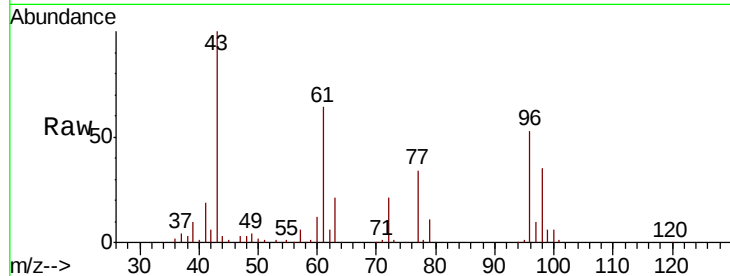
VSTDCCC050

Tgt Ion: 43 Resp: 532457

Ion Ratio Lower Upper

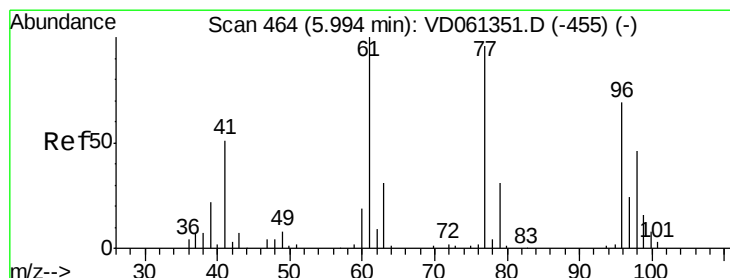
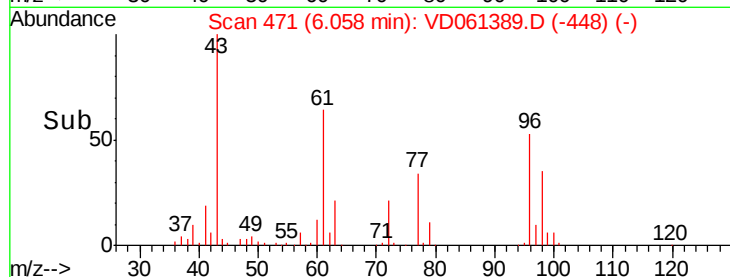
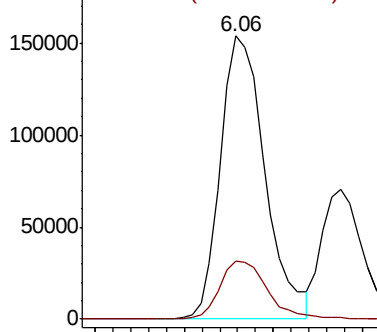
43 100

72 20.7 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.682 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD061389.D

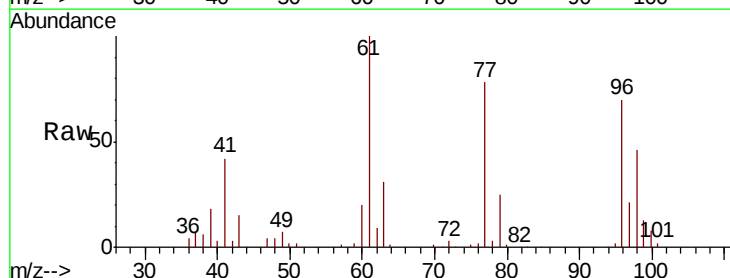
Acq: 28 Mar 2019 14:01

Tgt Ion: 77 Resp: 579300

Ion Ratio Lower Upper

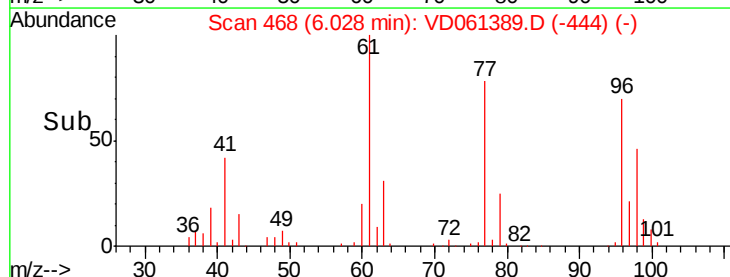
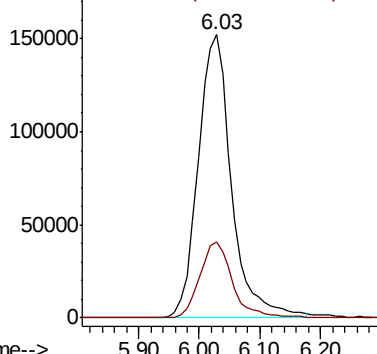
77 100

97 26.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

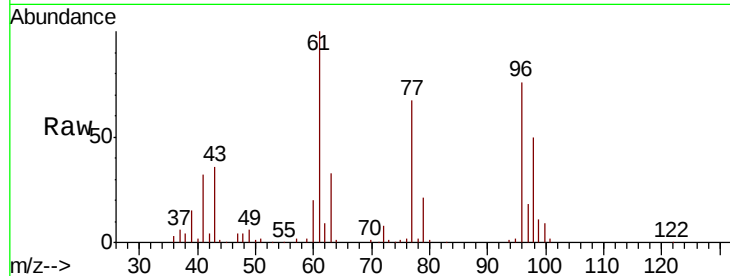




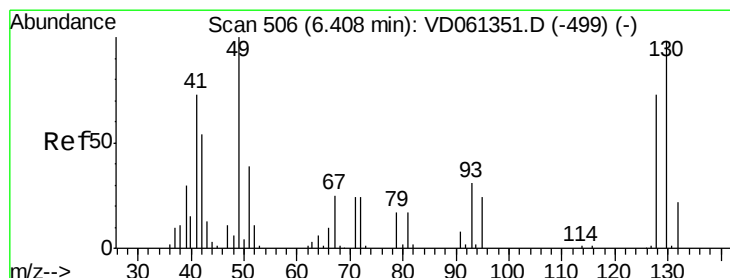
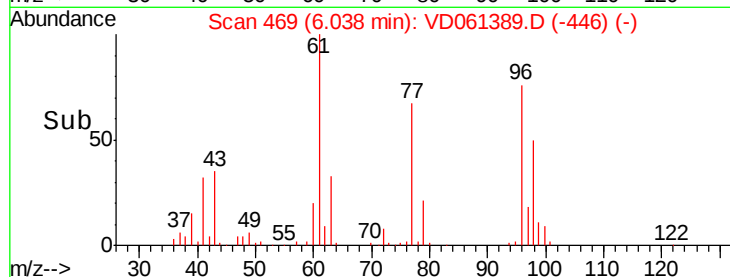
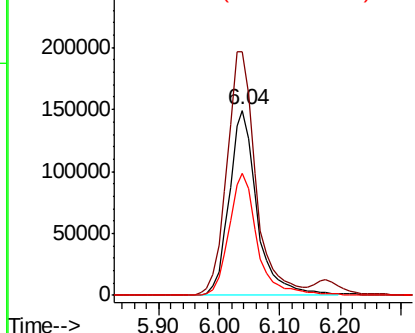
#27
 cis-1,2-Dichloroethene
 Concen: 46.656 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 476268
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 251.6
 98 66.0 0.0 129.2

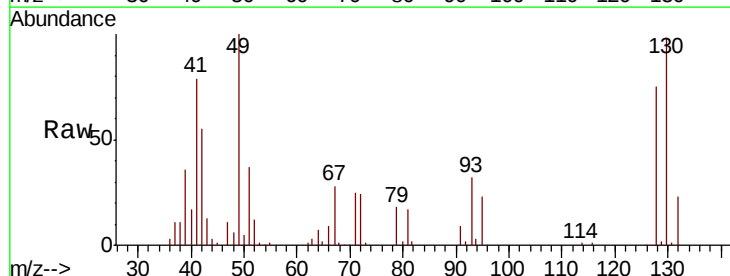


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

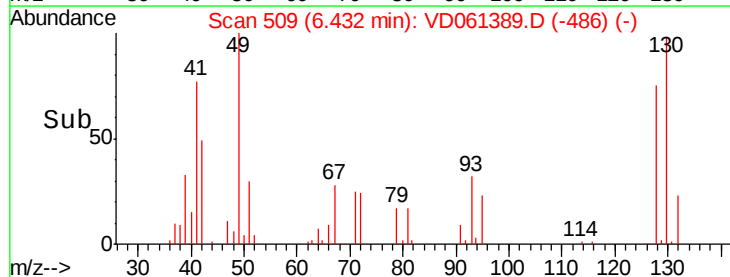
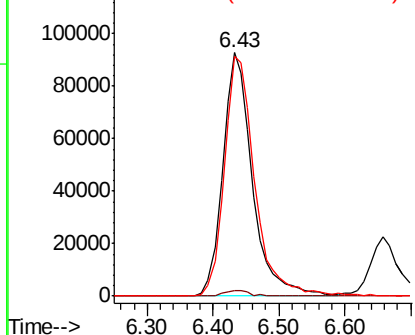


#28
 Bromochloromethane
 Concen: 48.103 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 49 Resp: 290667
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 0.0#
 130 98.3 78.4 117.6



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





#29

Tetrahydrofuran

Concen: 238.670 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

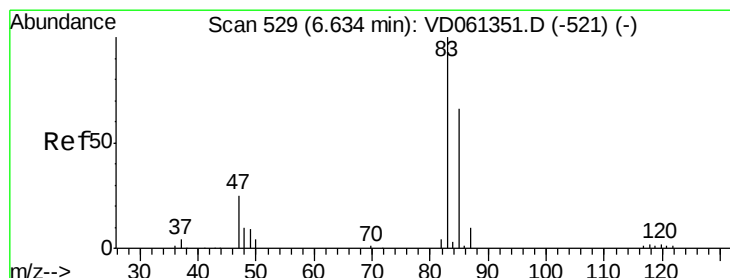
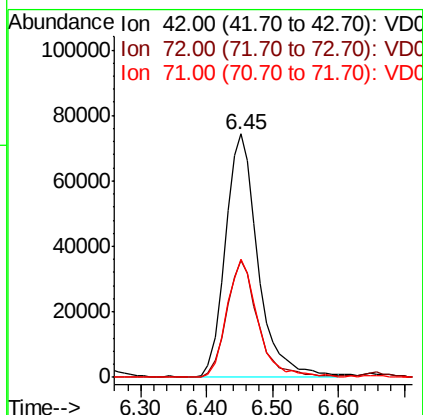
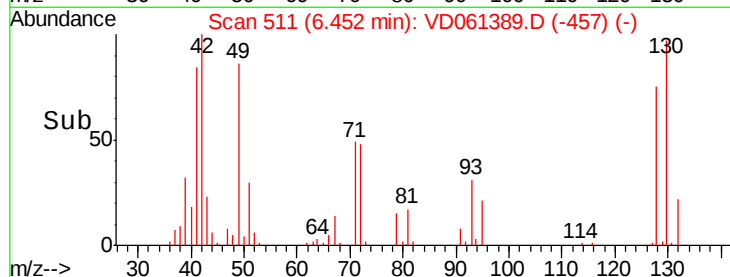
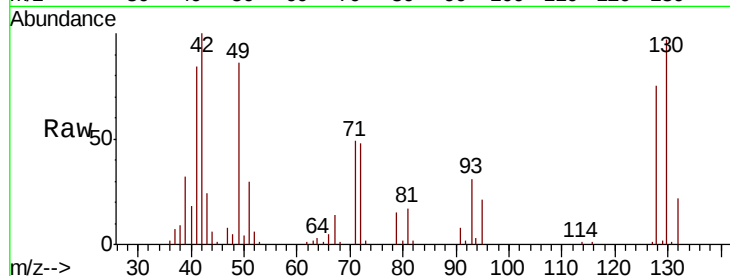
Tgt Ion: 42 Resp: 256920

Ion Ratio Lower Upper

42 100

72 45.9 37.4 56.0

71 46.5 36.7 55.1



#30

Chloroform

Concen: 49.249 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD061389.D

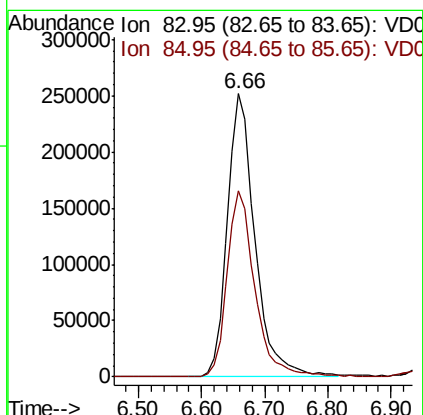
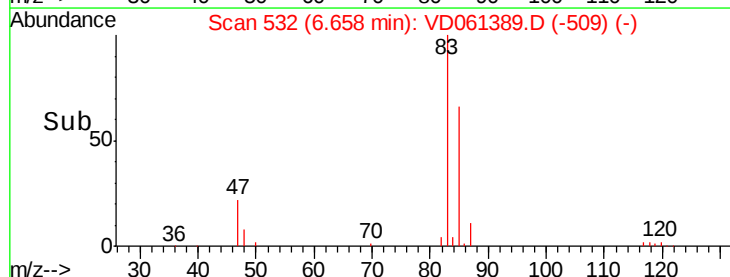
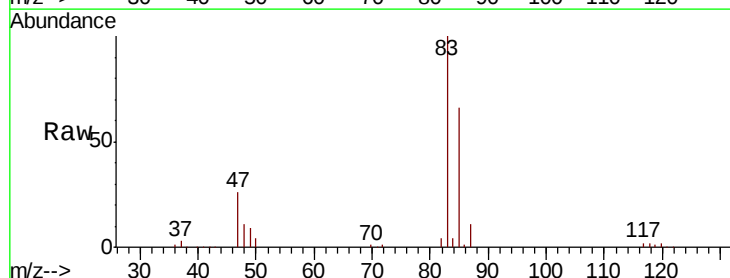
Acq: 28 Mar 2019 14:01

Tgt Ion: 83 Resp: 761750

Ion Ratio Lower Upper

83 100

85 65.6 53.0 79.4





#31

Cyclohexane

Concen: 48.724 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

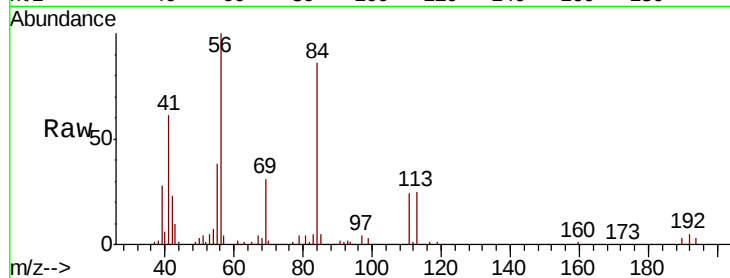
Tgt Ion: 56 Resp: 576370

Ion Ratio Lower Upper

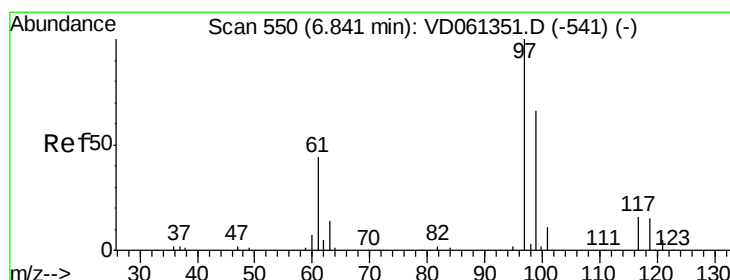
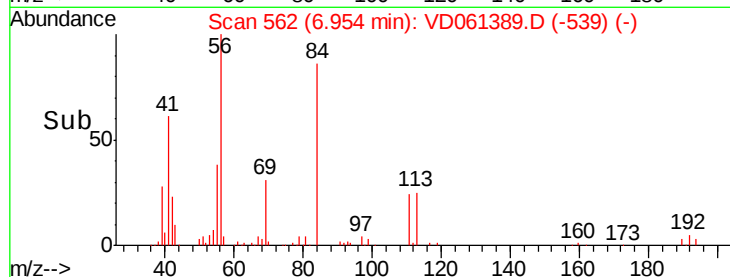
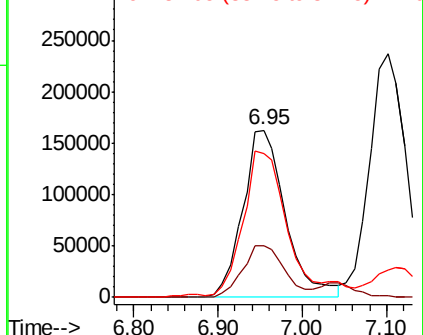
56 100

69 31.1 25.7 38.5

84 86.3 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 48.078 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

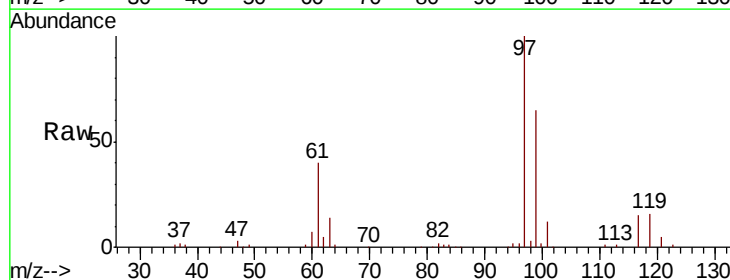
Tgt Ion: 97 Resp: 656051

Ion Ratio Lower Upper

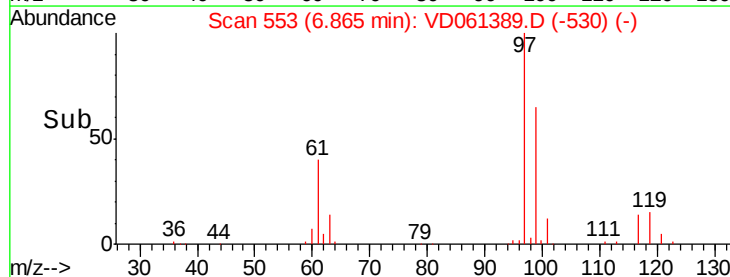
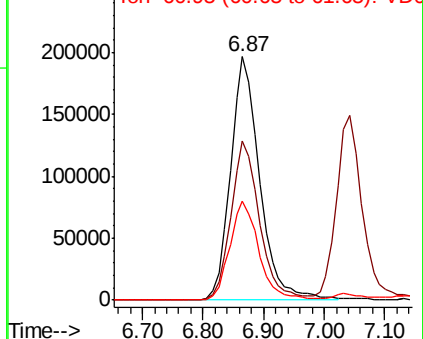
97 100

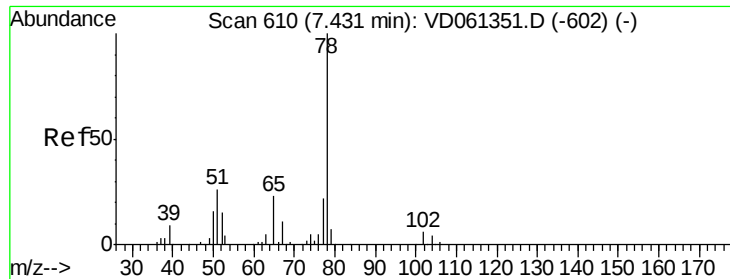
99 65.4 53.1 79.7

61 40.5 35.5 53.3



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

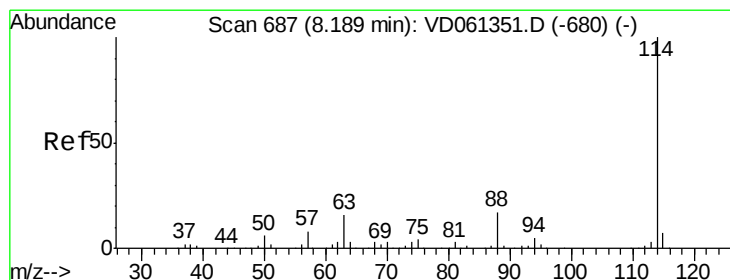
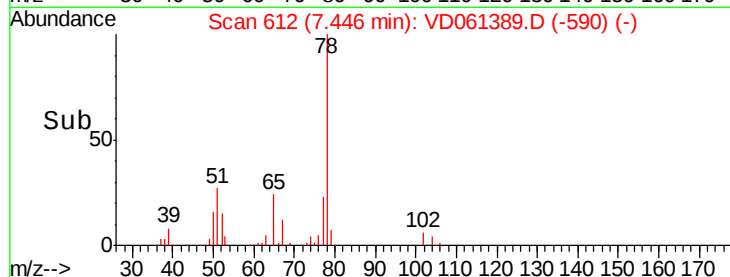
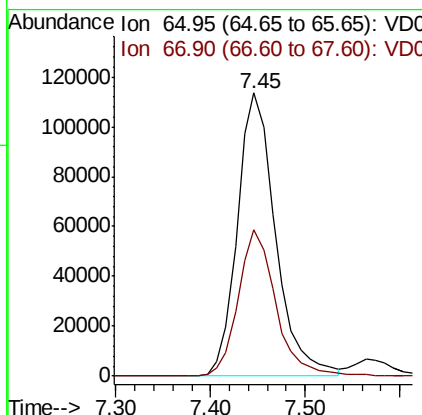
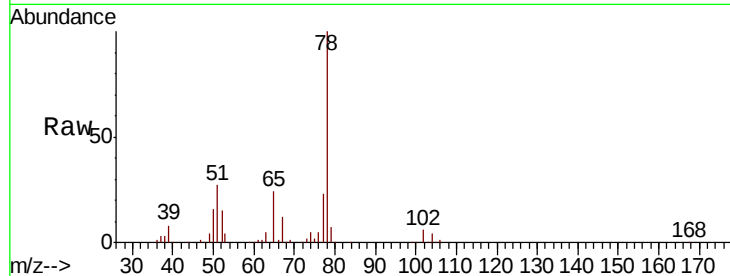




#33
 1,2-Dichloroethane-d4
 Concen: 48.078 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

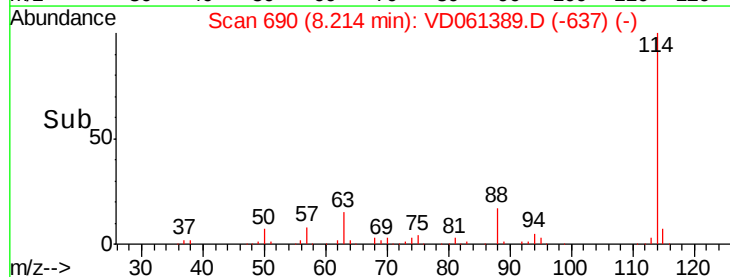
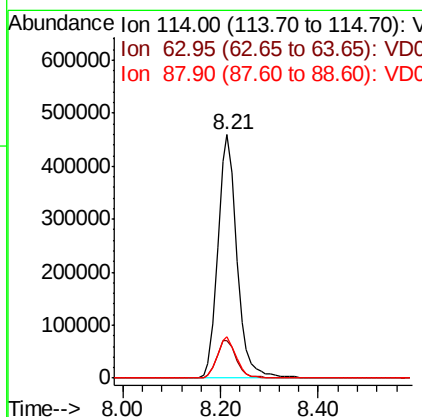
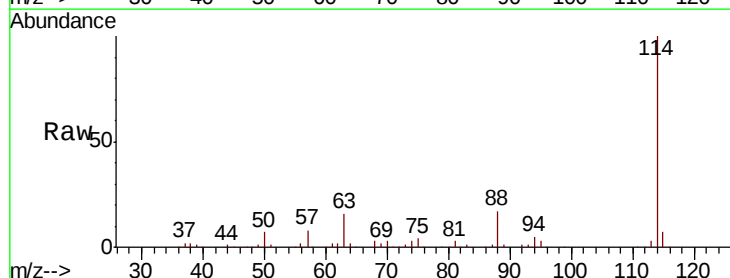
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

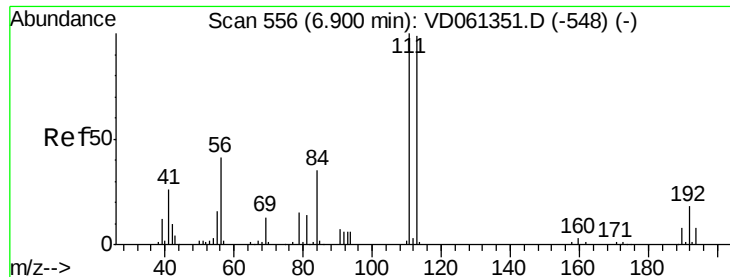
Tgt Ion: 65 Resp: 317072
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 114 Resp: 1255107
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.8 0.0 33.4

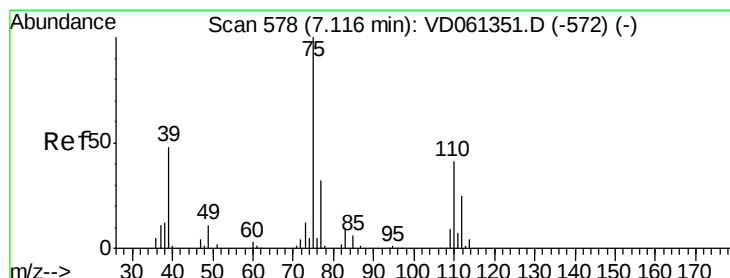
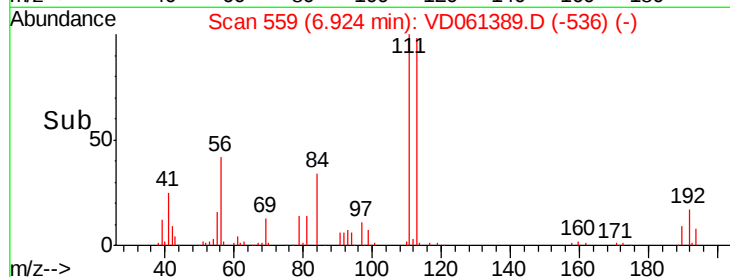
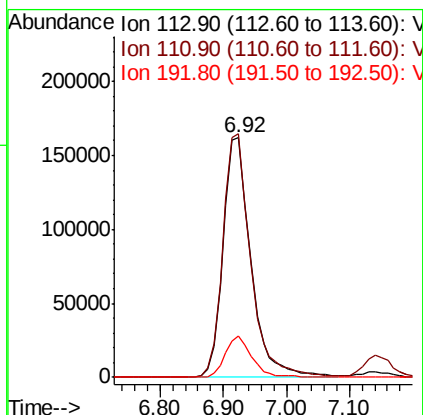
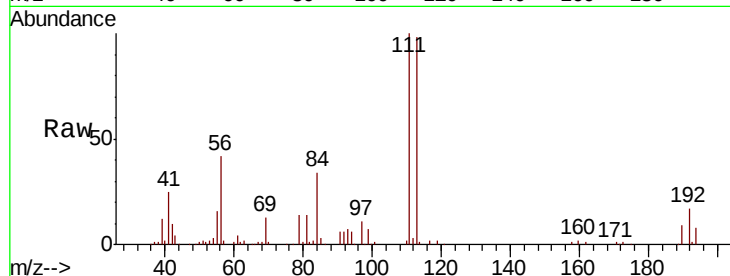




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

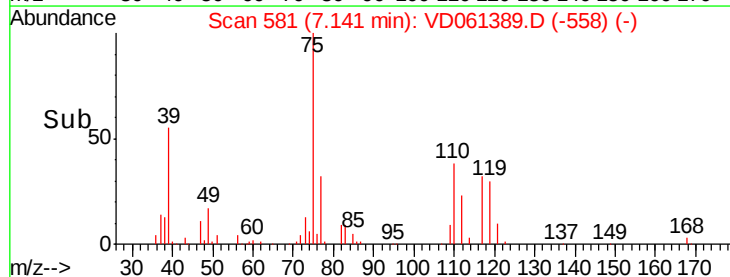
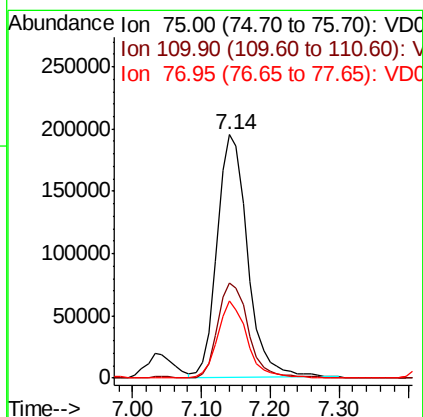
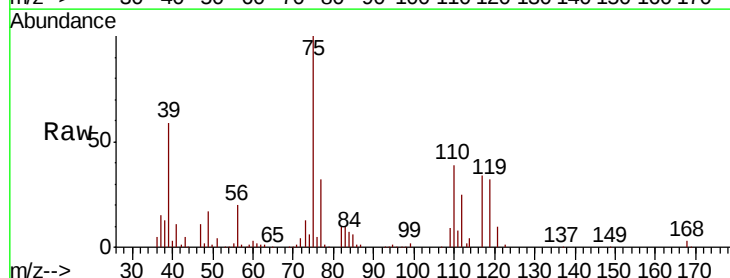
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

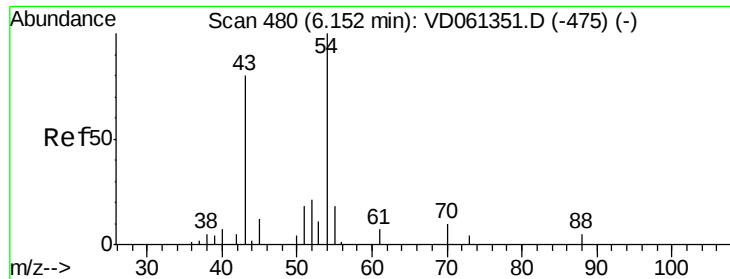
Tgt Ion: 113 Resp: 497426
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.0 121.6
 192 17.1 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 54.549 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 75 Resp: 597542
 Ion Ratio Lower Upper
 75 100
 110 39.3 20.4 61.3
 77 32.0 24.9 37.3

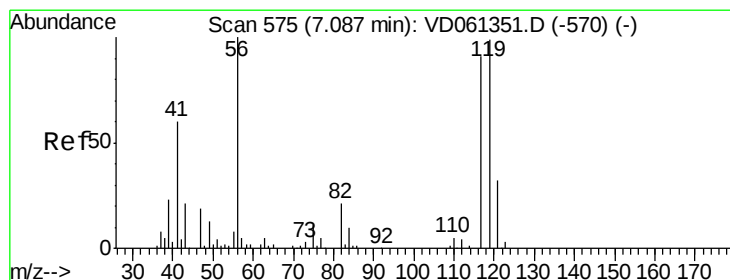
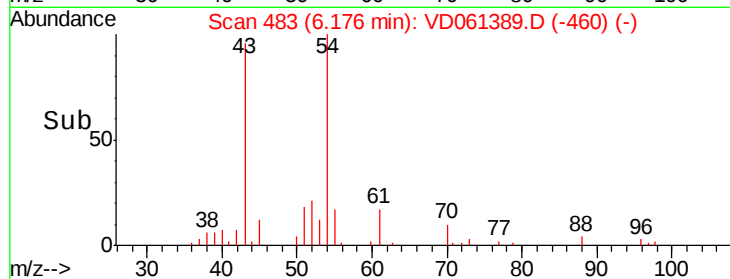
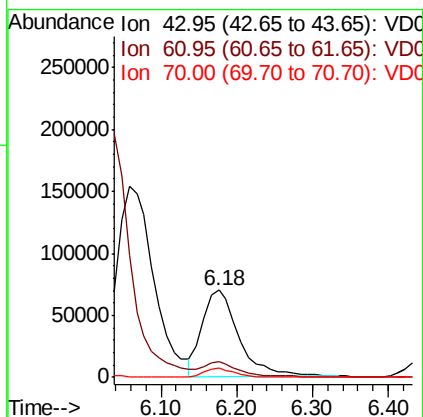
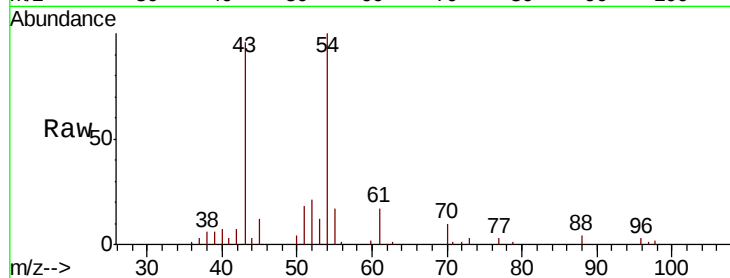




#37
Ethyl Acetate
Concen: 49.498 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

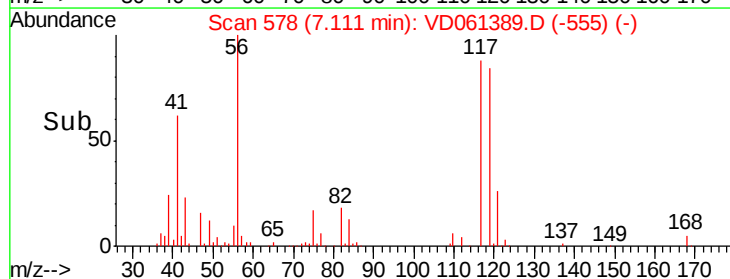
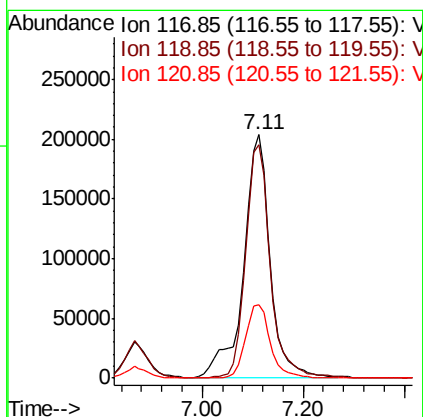
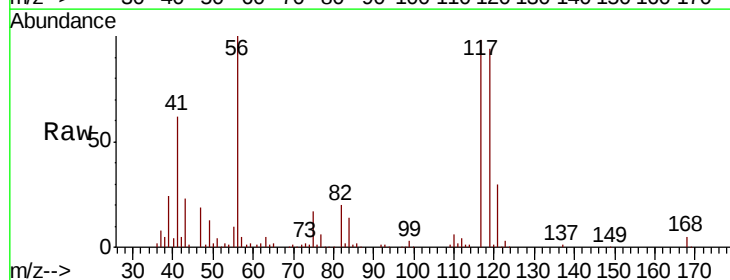
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 231890
Ion Ratio Lower Upper
43 100
61 17.4 13.8 20.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 58.853 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 117 Resp: 740817
Ion Ratio Lower Upper
117 100
119 96.0 80.1 120.1
121 30.2 25.6 38.4





#39

Methylcyclohexane

Concen: 55.472 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

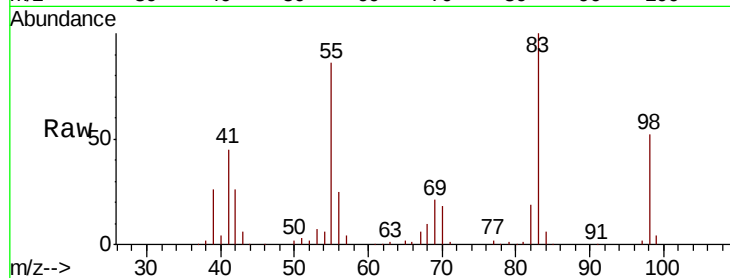
Tgt Ion: 83 Resp: 632865

Ion Ratio Lower Upper

83 100

55 86.1 71.5 107.3

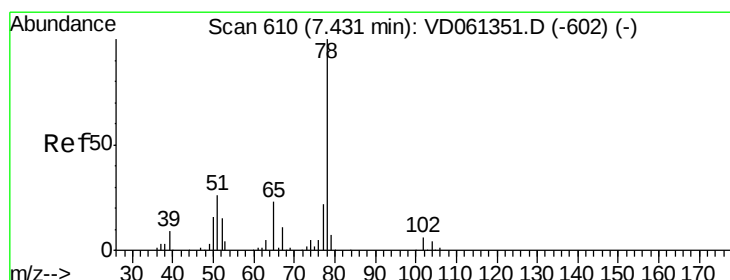
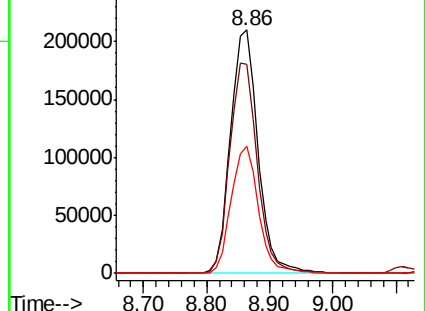
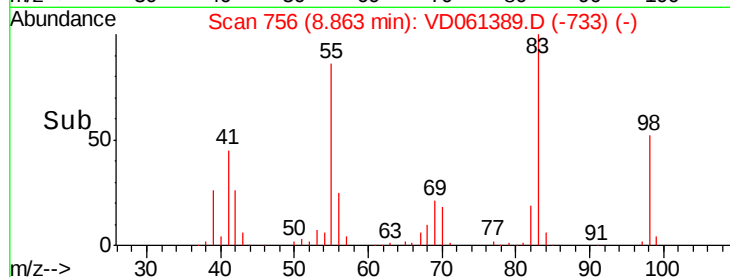
98 52.4 40.3 60.5



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: 52.151 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061389.D

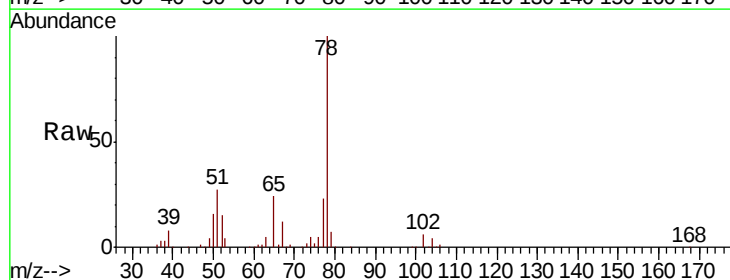
Acq: 28 Mar 2019 14:01

Tgt Ion: 78 Resp: 1433740

Ion Ratio Lower Upper

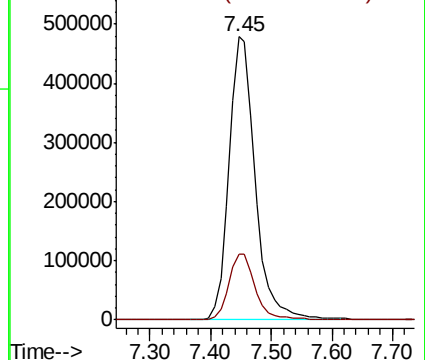
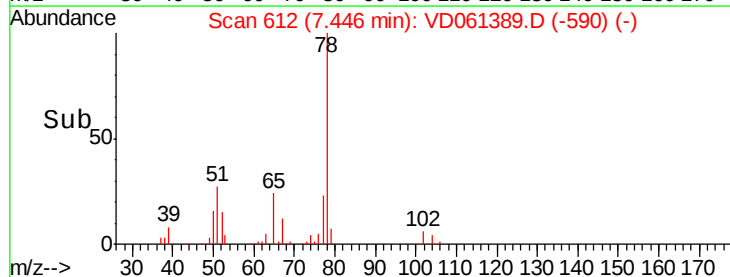
78 100

77 23.4 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

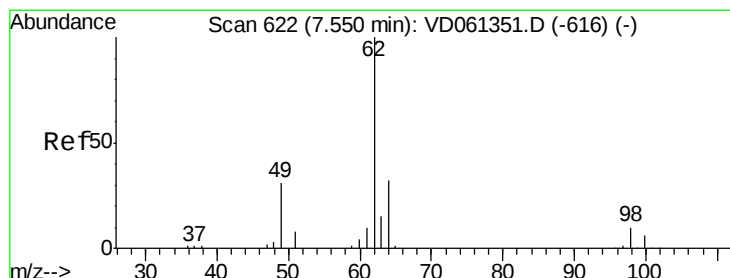
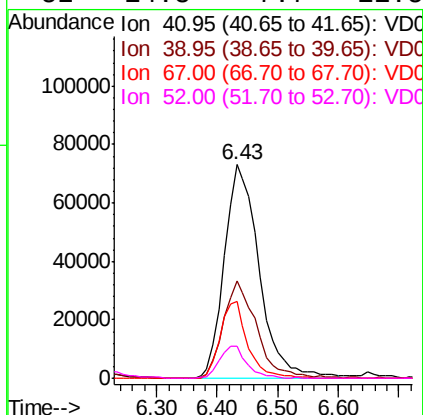
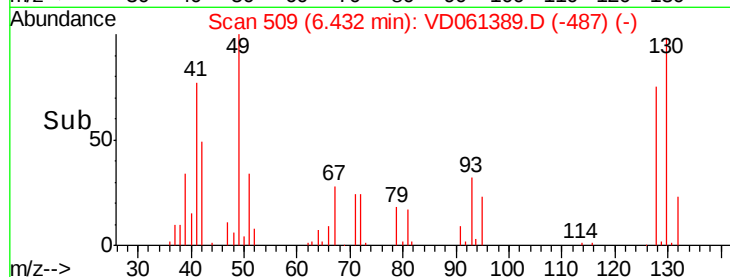
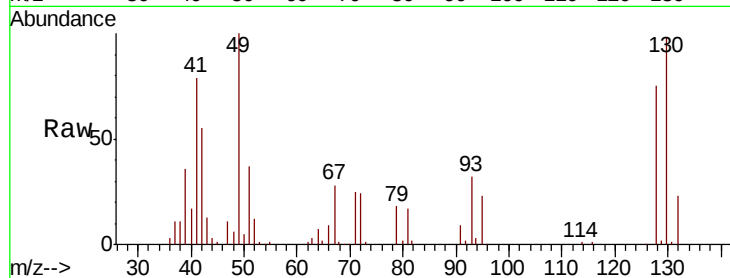




#41
Methacrylonitrile
Concen: 53.413 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

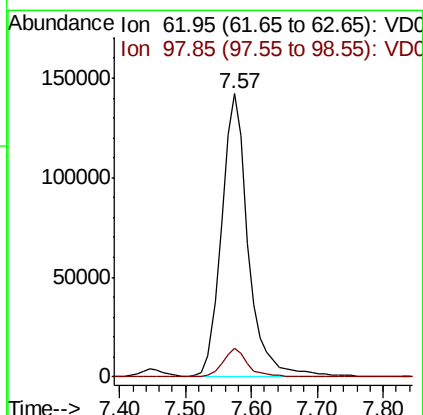
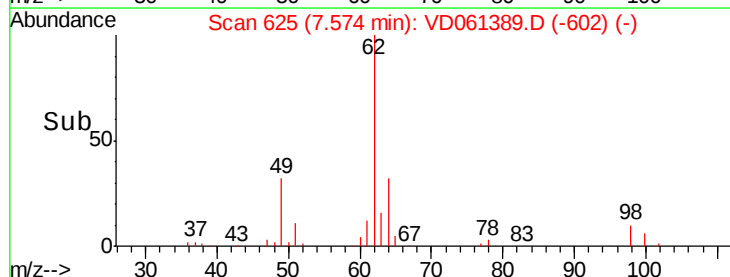
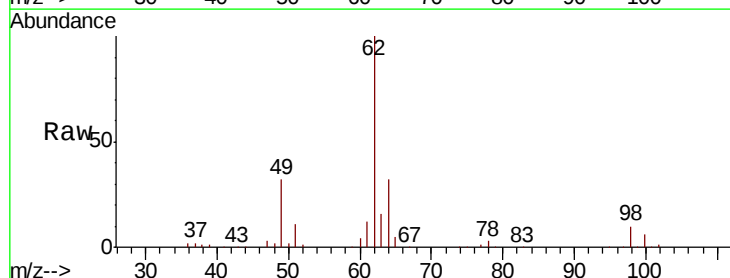
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

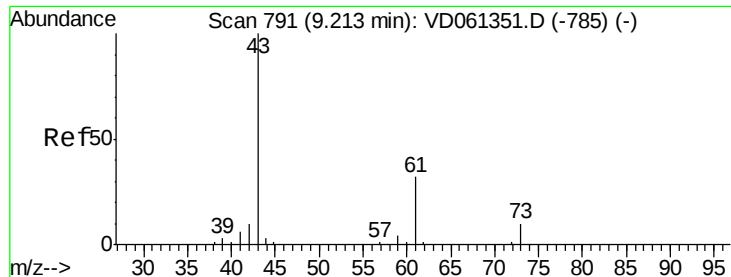
Tgt Ion: 41 Resp: 292581
Ion Ratio Lower Upper
41 100
39 45.3 35.0 52.6
67 35.8 21.0 31.6#
52 14.8 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 49.010 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 62 Resp: 403038
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 54.451 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

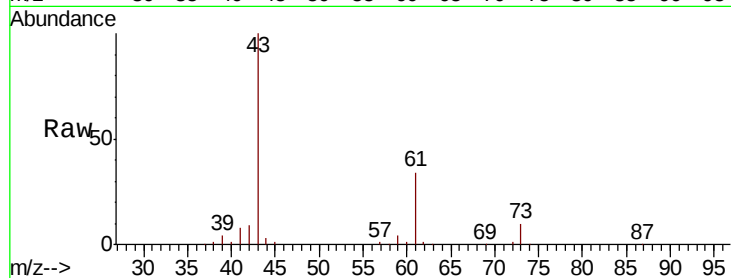
Tgt Ion: 43 Resp: 371159

Ion Ratio Lower Upper

43 100

61 34.0 25.8 38.6

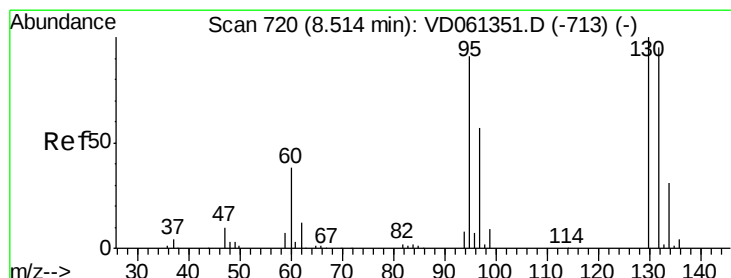
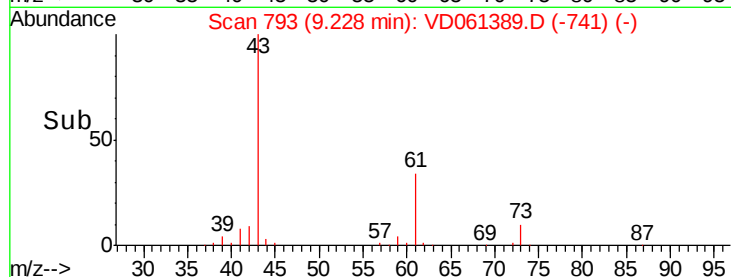
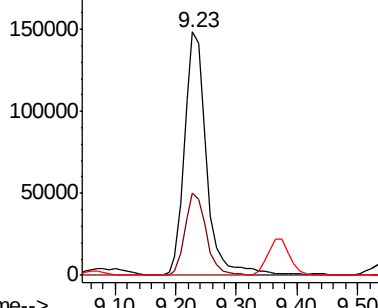
87 0.2 0.0 0.0#



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: 53.730 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD061389.D

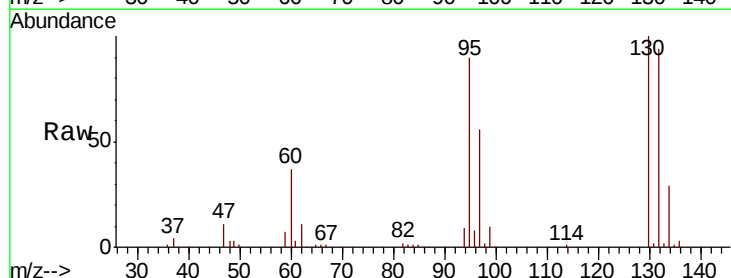
Acq: 28 Mar 2019 14:01

Tgt Ion: 130 Resp: 549723

Ion Ratio Lower Upper

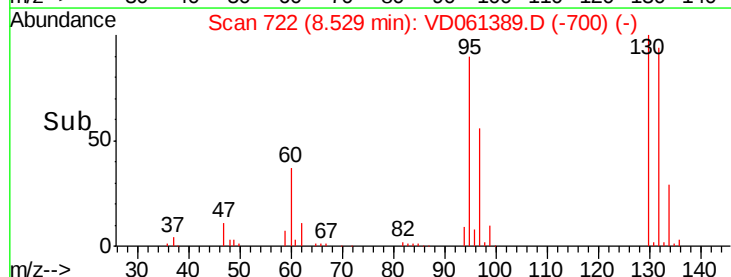
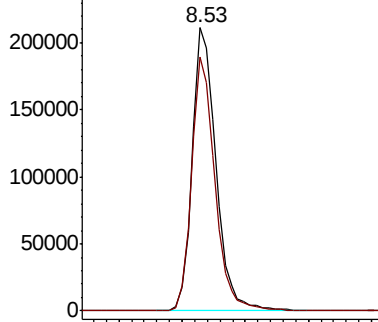
130 100

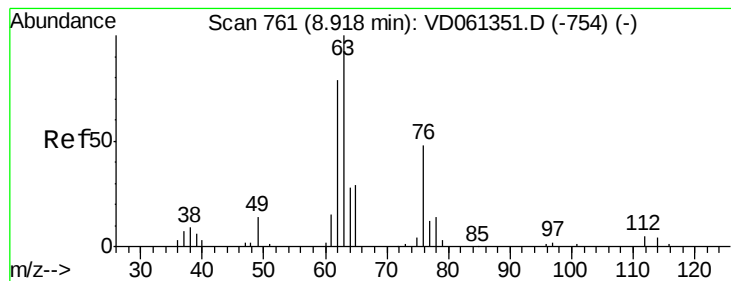
95 89.6 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.244 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

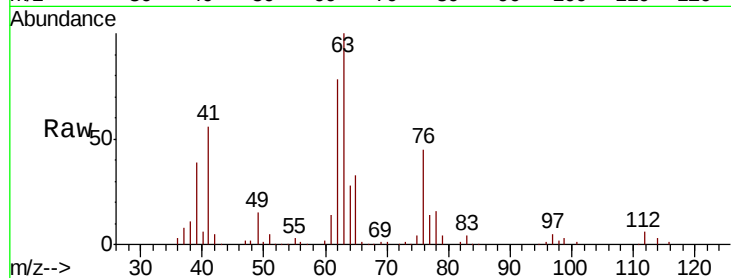
VSTDCCC050

Tgt Ion: 63 Resp: 364203

Ion Ratio Lower Upper

63 100

65 33.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

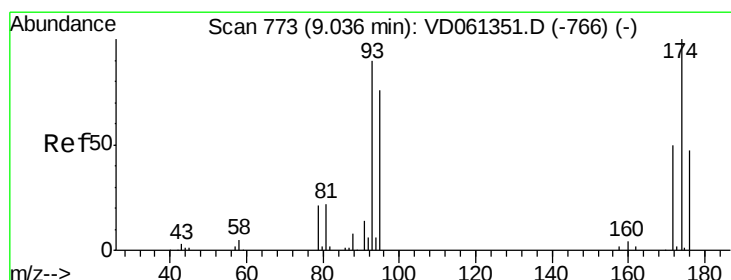
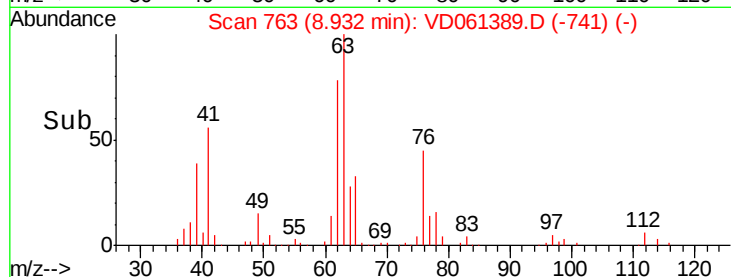
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.544 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

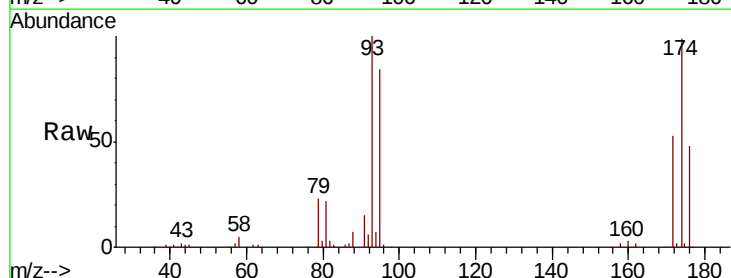
Tgt Ion: 93 Resp: 255930

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

174 98.8 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.05

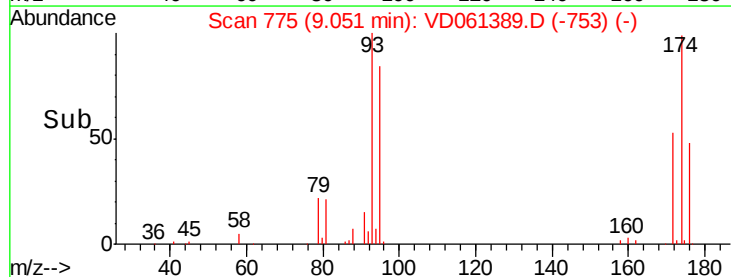
150000

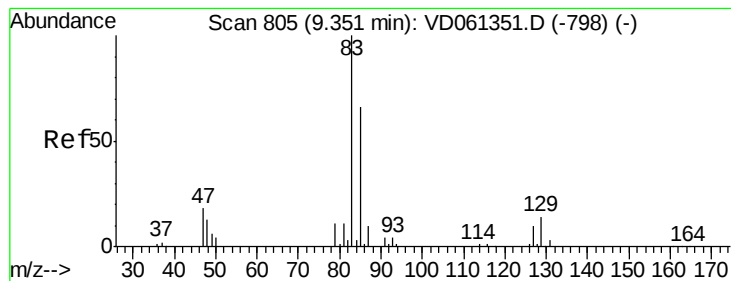
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.279 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

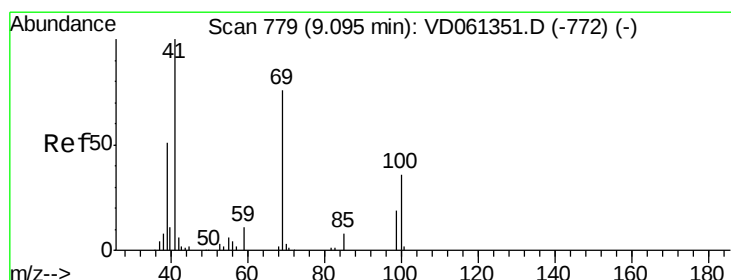
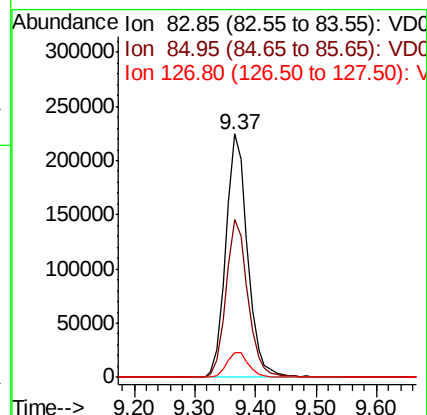
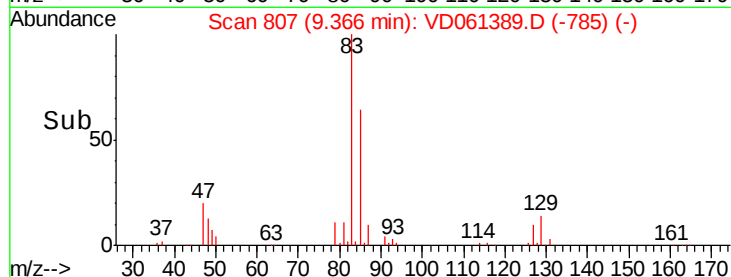
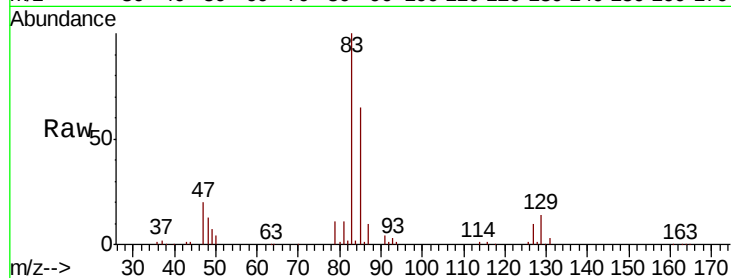
Tgt Ion: 83 Resp: 561098

Ion Ratio Lower Upper

83 100

85 64.7 53.0 79.4

127 10.3 8.4 12.6



#48

Methyl methacrylate

Concen: 51.748 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

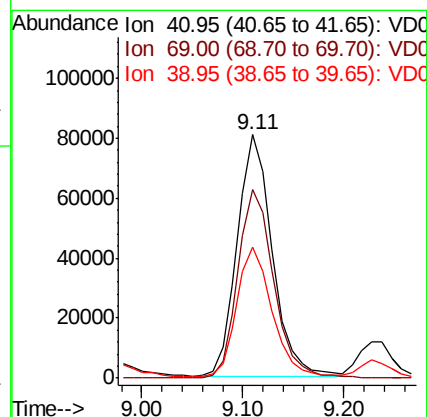
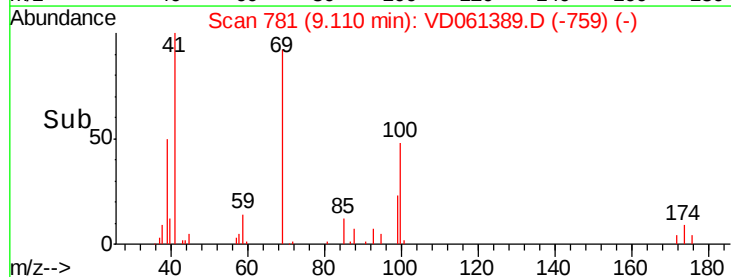
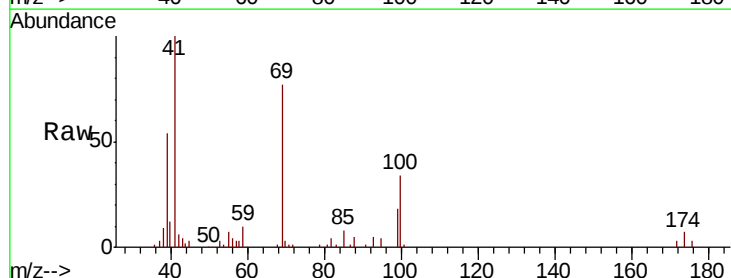
Tgt Ion: 41 Resp: 194669

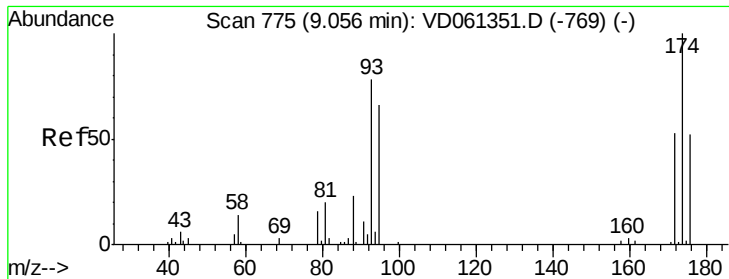
Ion Ratio Lower Upper

41 100

69 77.5 60.2 90.4

39 54.0 41.4 62.2

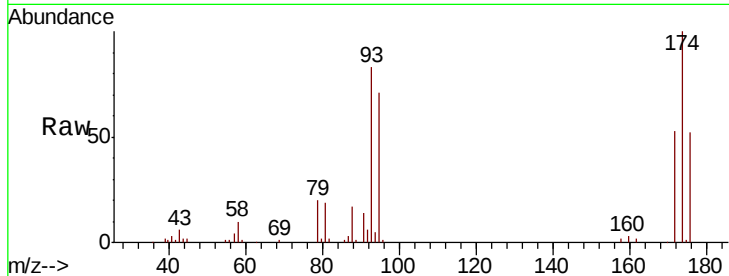




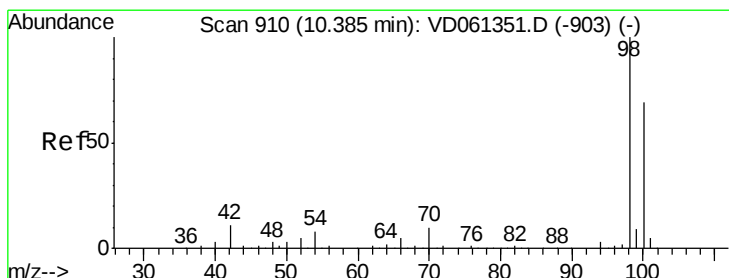
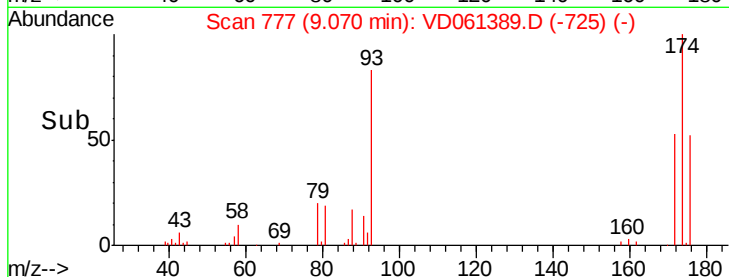
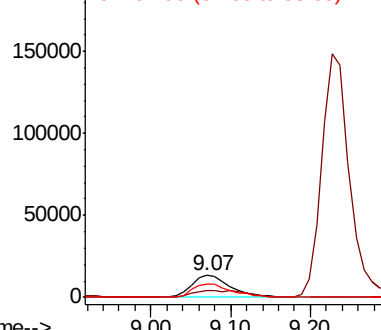
#49
1,4-Dioxane
Concen: 1098.803 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 45593
Ion Ratio Lower Upper
88 100
43 33.2 23.3 34.9
58 61.0 50.8 76.2

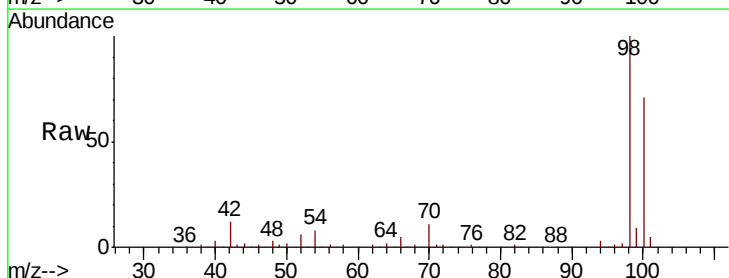


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

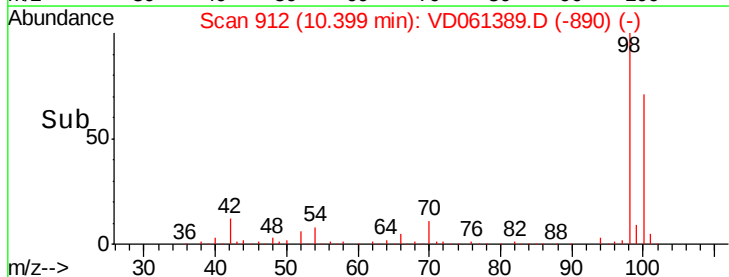
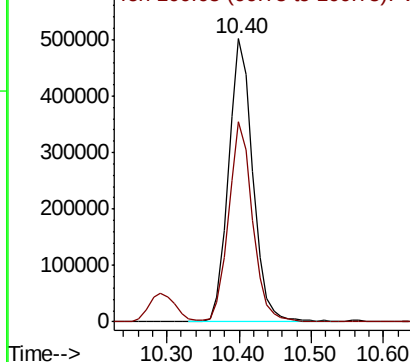


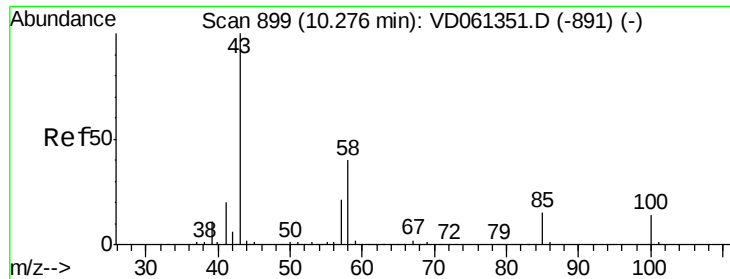
#50
Toluene-d8
Concen: 1098.803 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 98 Resp: 1176570
Ion Ratio Lower Upper
98 100
100 70.6 56.2 84.2



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

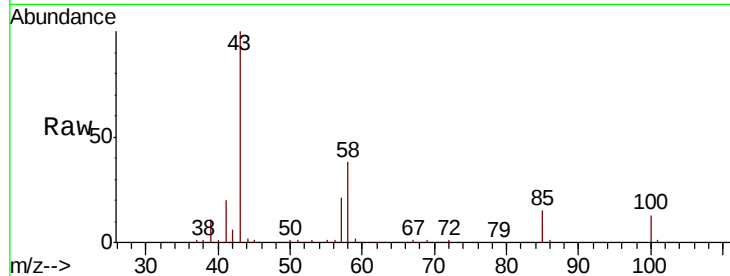




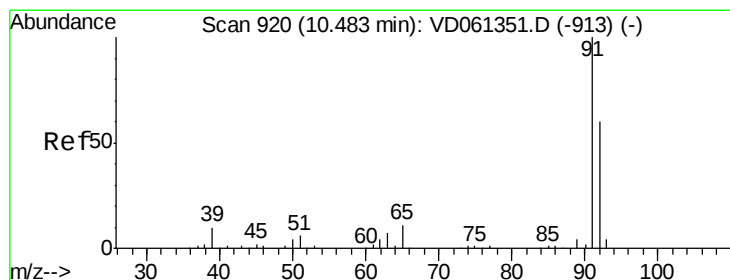
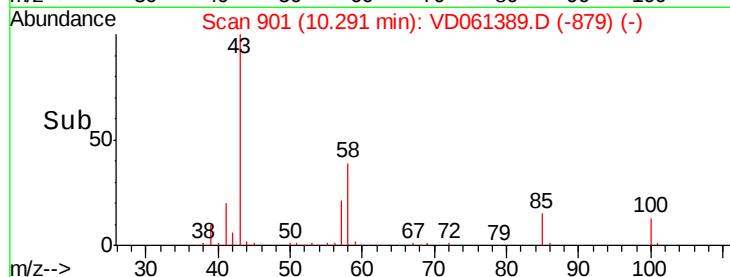
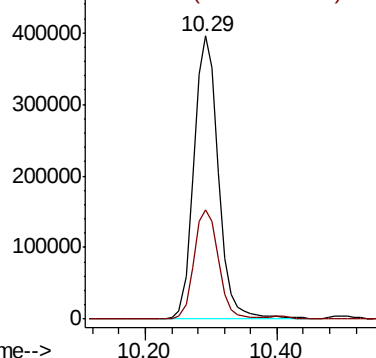
#51
4-Methyl-2-Pentanone
Concen: 248.138 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1029040
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.8

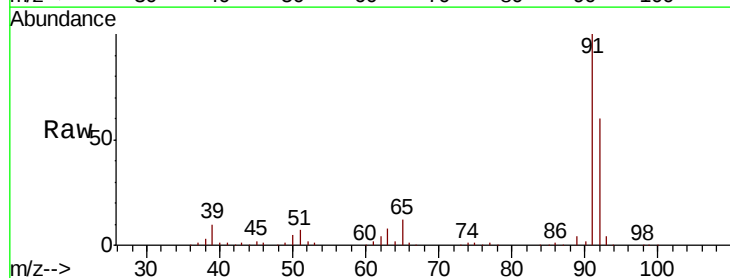


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

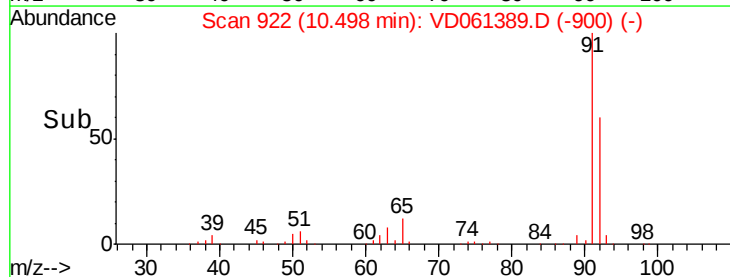
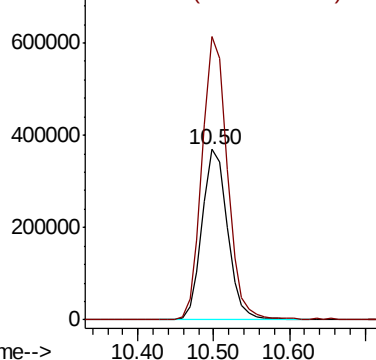


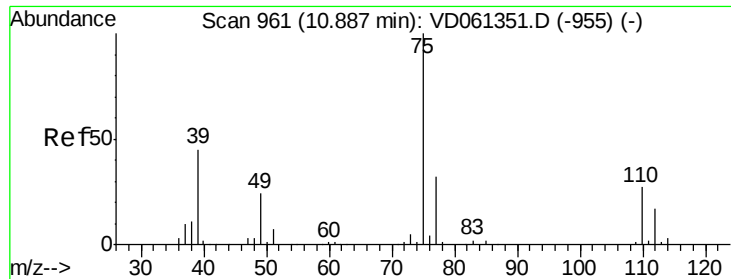
#52
Toluene
Concen: 51.262 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 92 Resp: 859786
Ion Ratio Lower Upper
92 100
91 166.2 133.3 199.9



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

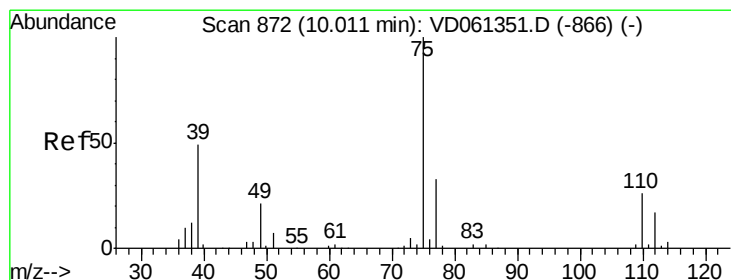
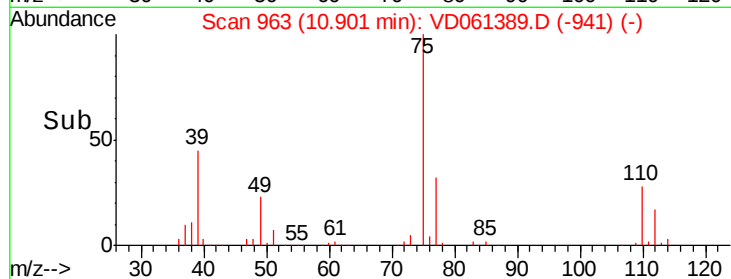
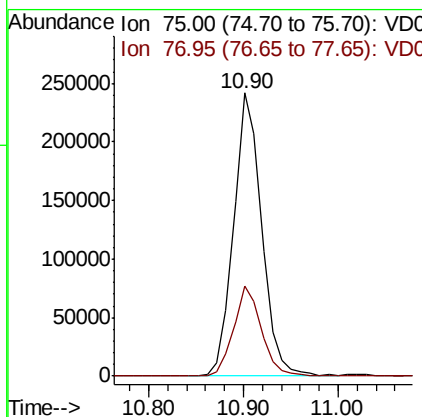
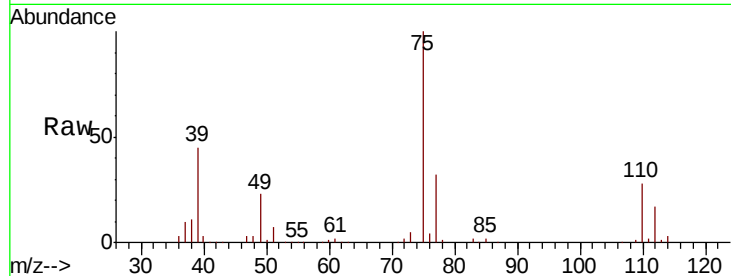




#53
 t-1,3-Dichloropropene
 Concen: 51.832 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

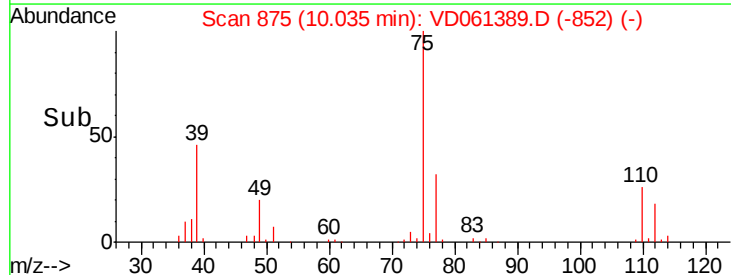
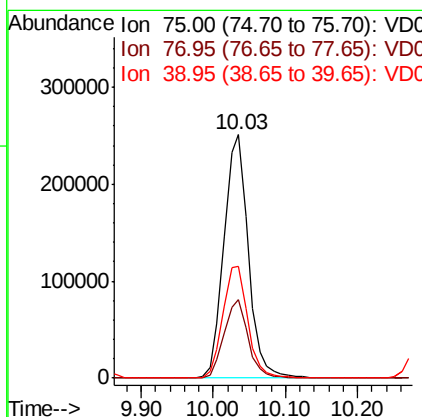
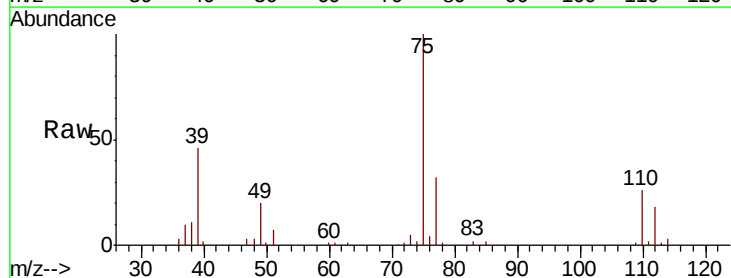
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

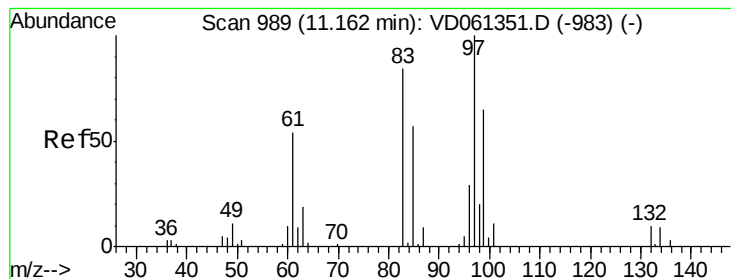
Tgt Ion: 75 Resp: 495939
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.403 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 75 Resp: 587243
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4
 39 45.7 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 51.271 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 300738

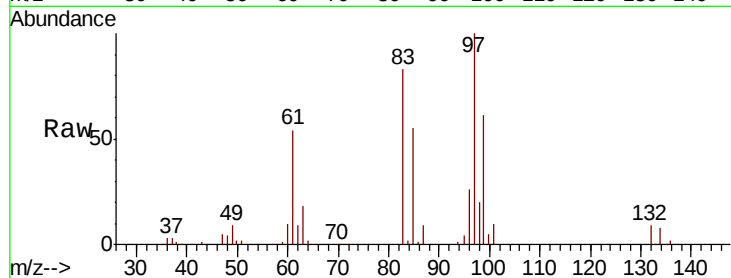
Ion Ratio Lower Upper

97 100

83 83.5 67.0 100.6

85 55.0 45.4 68.2

99 61.0 51.9 77.9

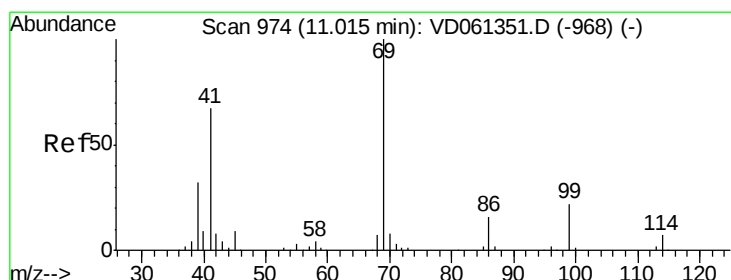
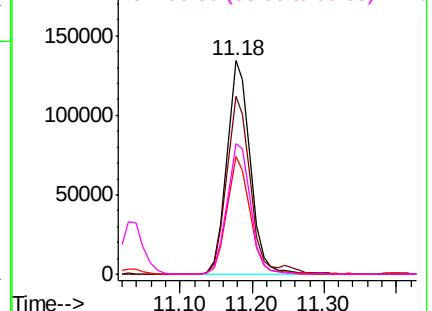
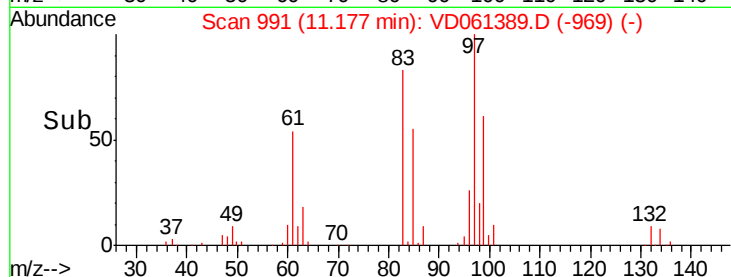


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.334 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

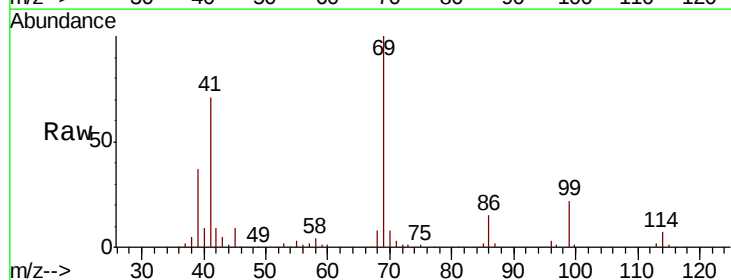
Tgt Ion: 69 Resp: 317166

Ion Ratio Lower Upper

69 100

41 71.3 53.8 80.6

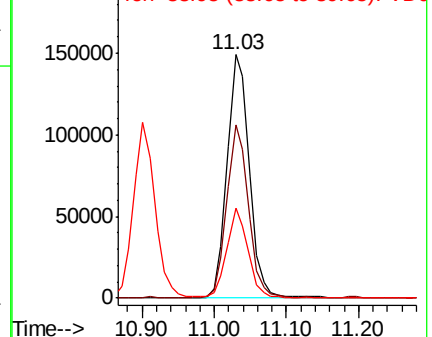
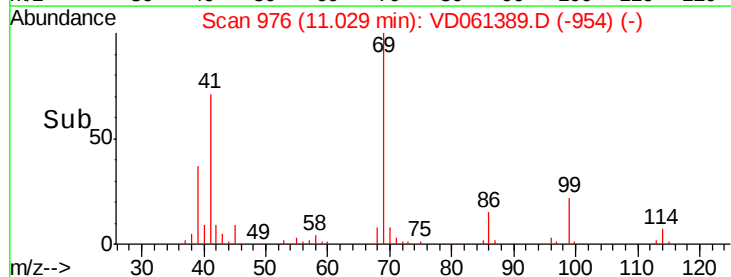
39 36.9 26.4 39.6

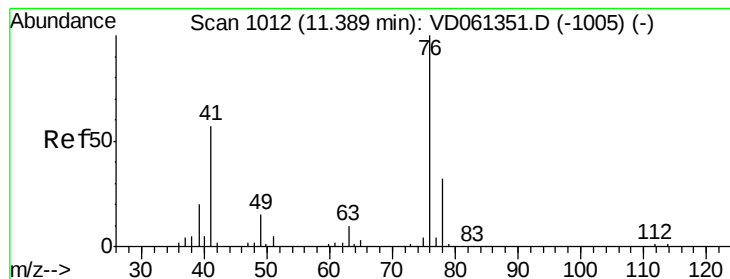


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.451 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

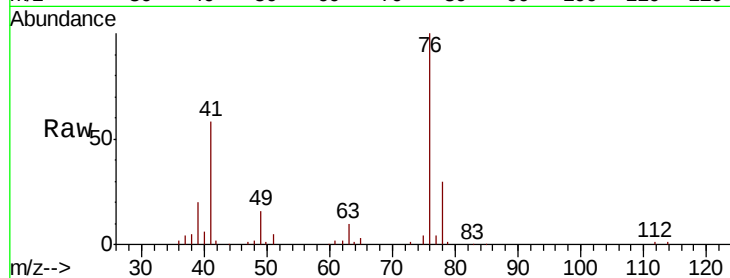
VSTDCCC050

Tgt Ion: 76 Resp: 426336

Ion Ratio Lower Upper

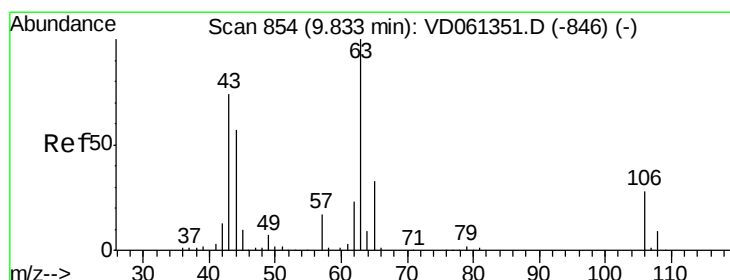
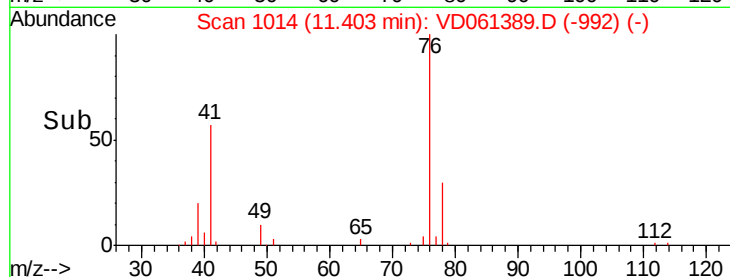
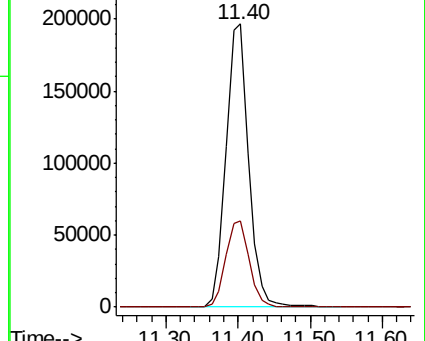
76 100

78 30.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 246.648 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD061389.D

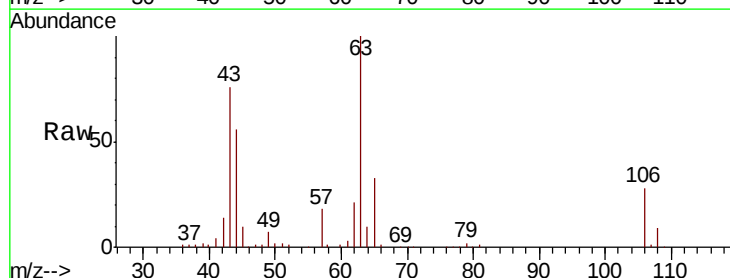
Acq: 28 Mar 2019 14:01

Tgt Ion: 63 Resp: 756886

Ion Ratio Lower Upper

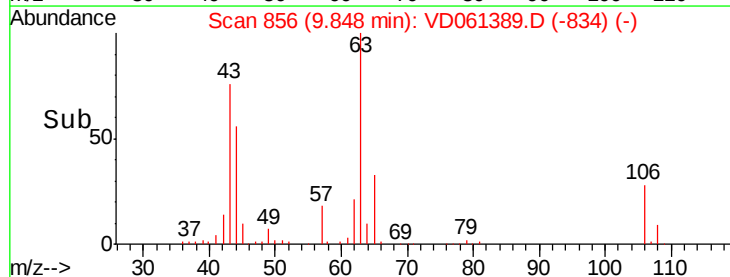
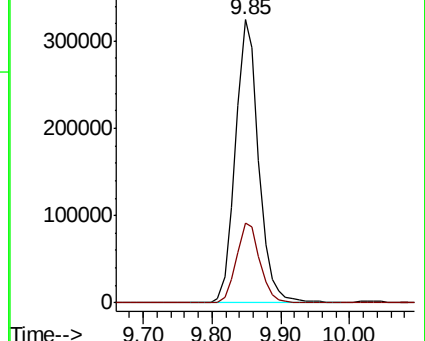
63 100

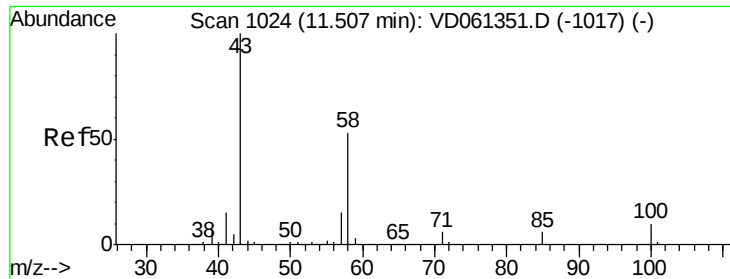
106 28.0 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

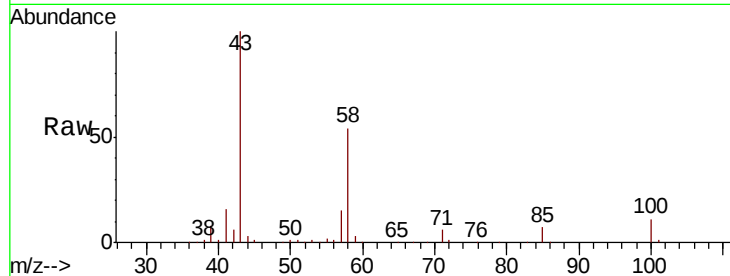




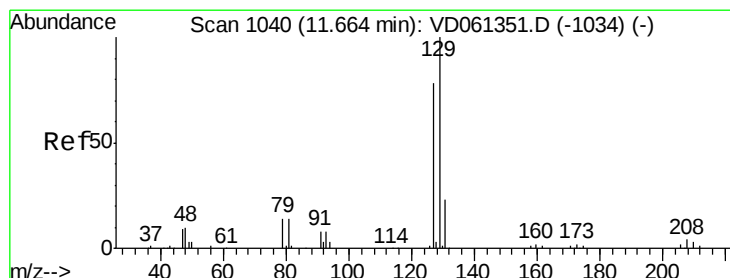
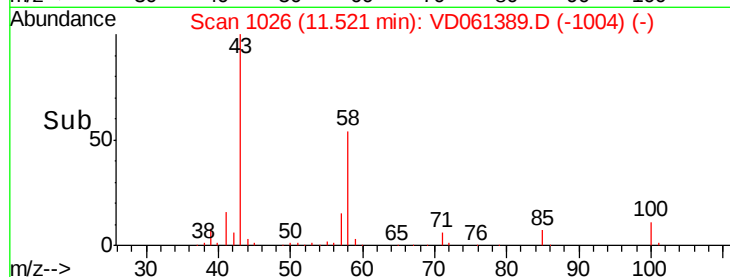
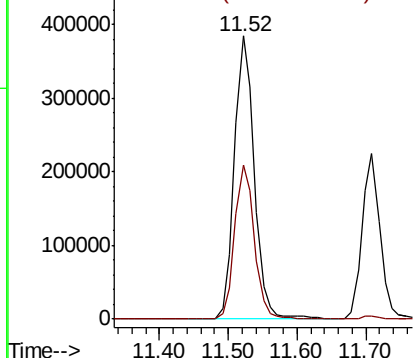
#59
2-Hexanone
Concen: 256.692 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 771271
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.9

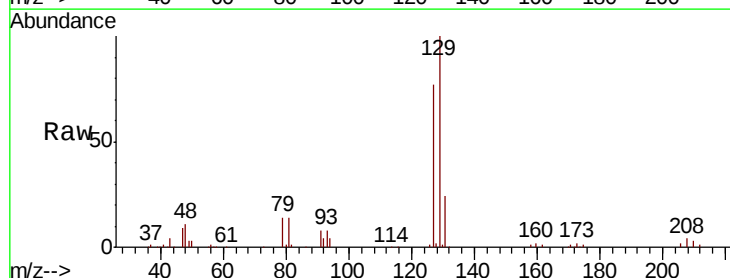


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

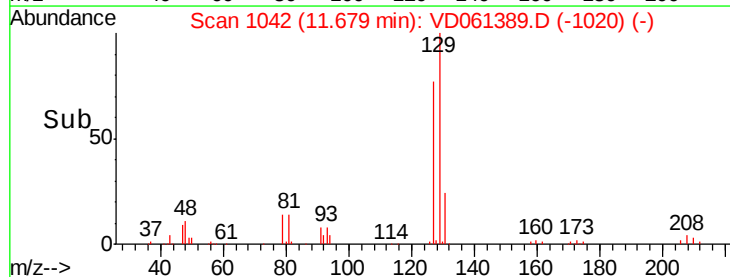
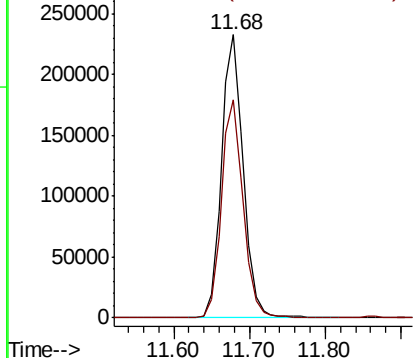


#60
Dibromochloromethane
Concen: 50.982 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 129 Resp: 461004
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

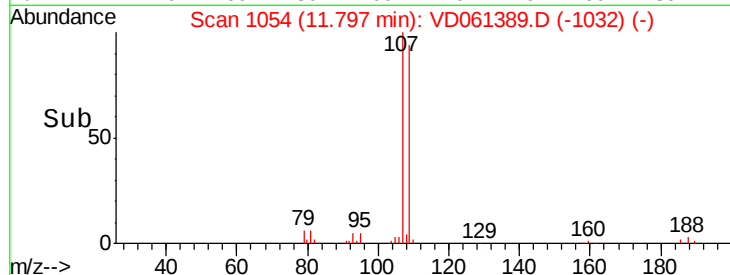
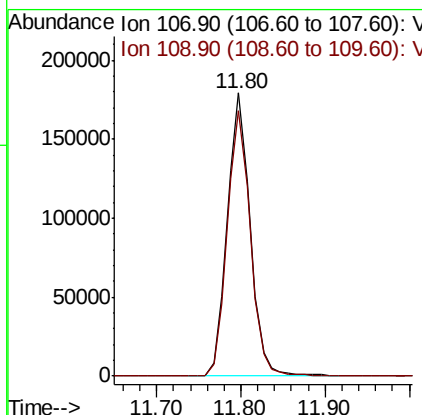
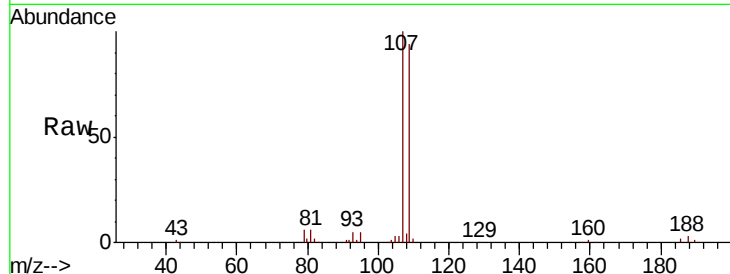




#61
 1,2-Dibromoethane
 Concen: 49.671 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

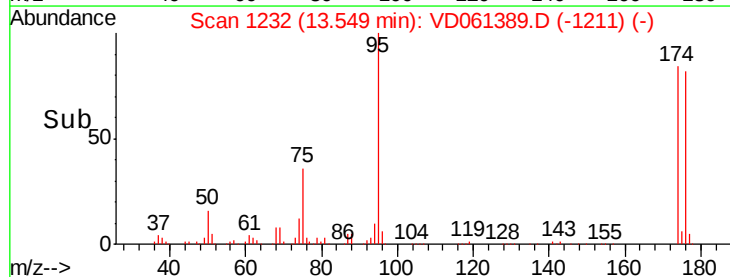
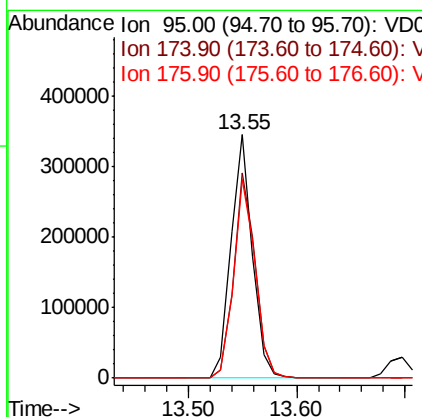
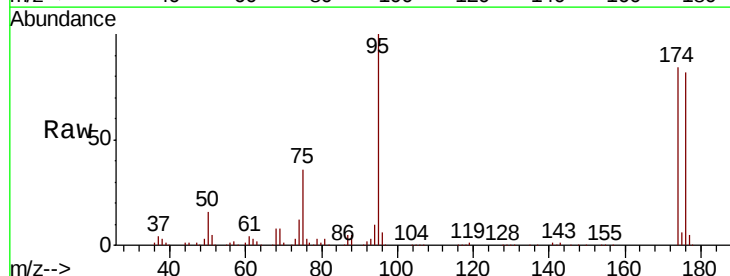
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

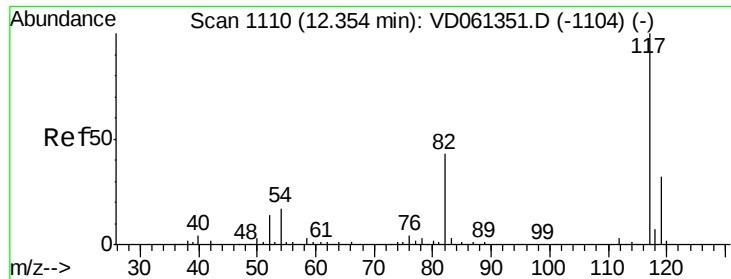
Tgt Ion: 107 Resp: 337372
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 49.671 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 95 Resp: 474059
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 178.0
 176 81.6 0.0 175.0

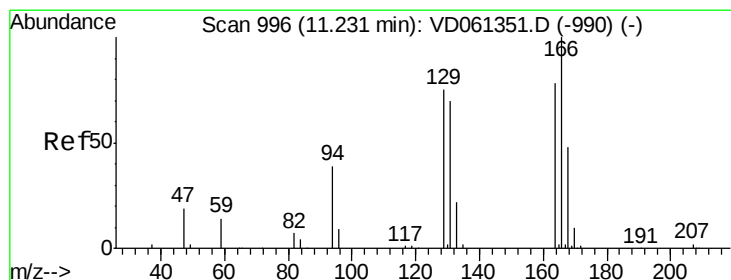
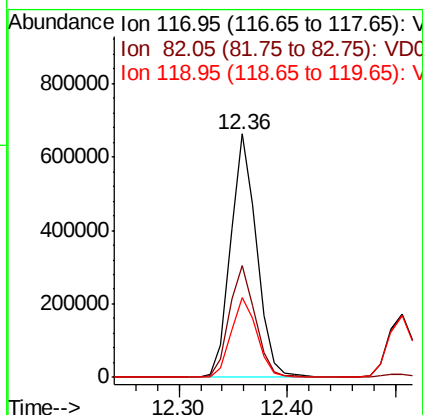
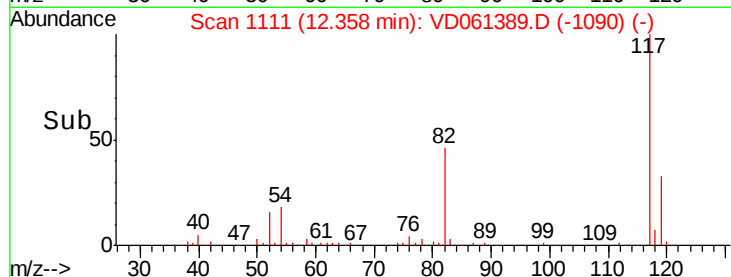
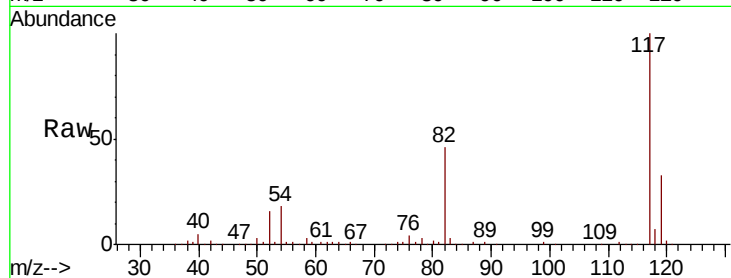




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

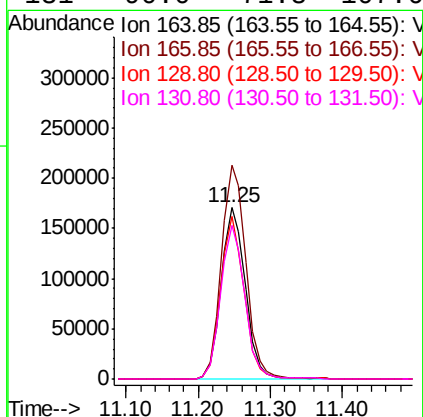
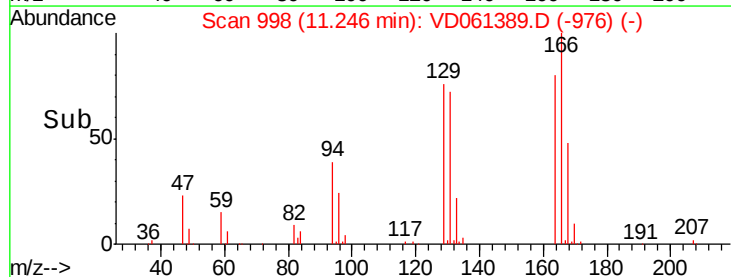
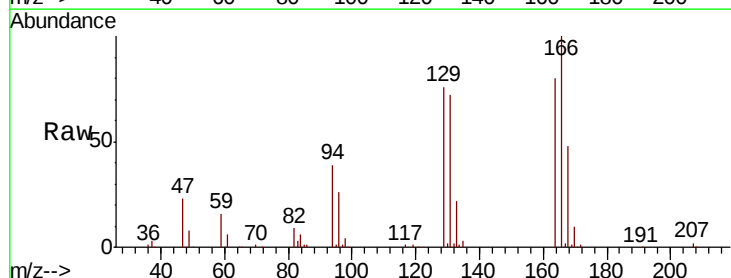
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

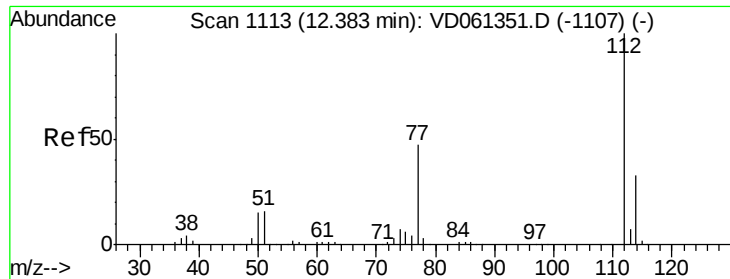
Tgt Ion:117 Resp: 1104439
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 45.567 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion:164 Resp: 394971
Ion Ratio Lower Upper
164 100
166 124.8 102.4 153.6
129 94.7 76.8 115.2
131 90.0 71.8 107.6

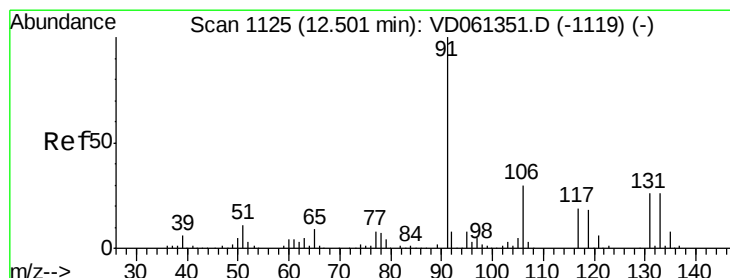
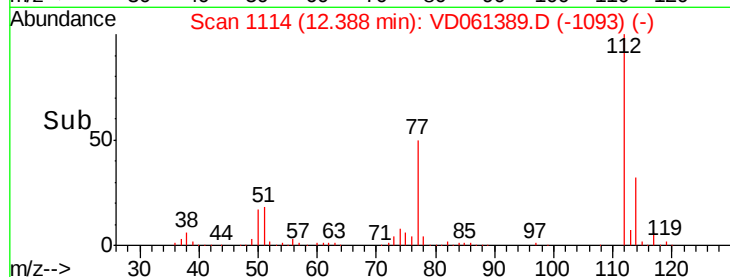
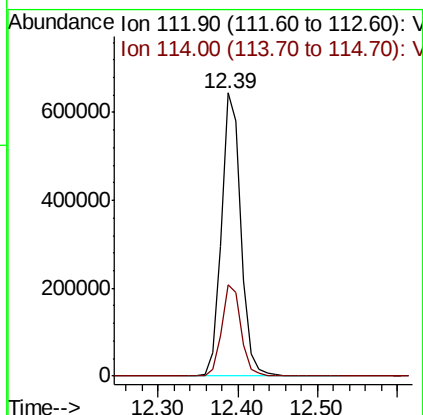
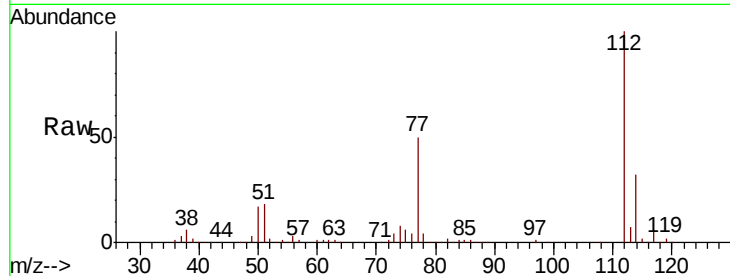




#65
Chlorobenzene
Concen: 49.122 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

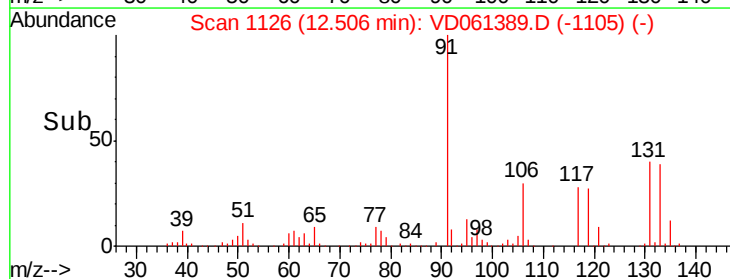
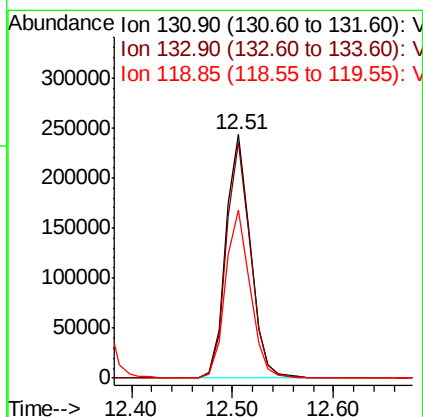
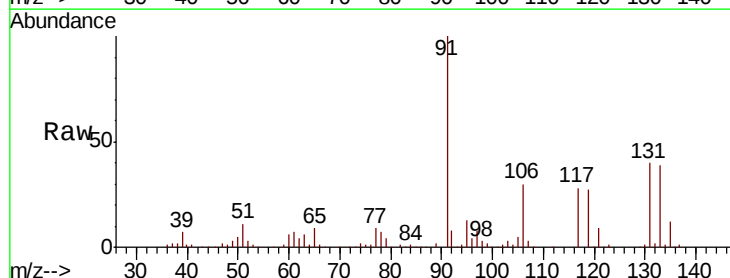
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1108735
Ion Ratio Lower Upper
112 100
114 32.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 46.842 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion:131 Resp: 409362
Ion Ratio Lower Upper
131 100
133 96.9 49.4 148.2
119 69.0 34.1 102.2

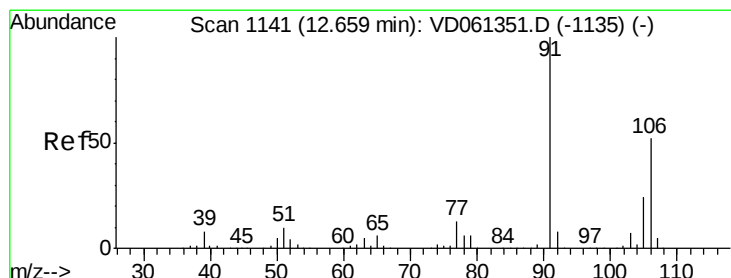
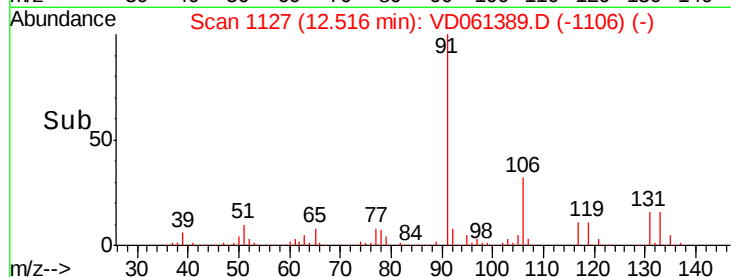
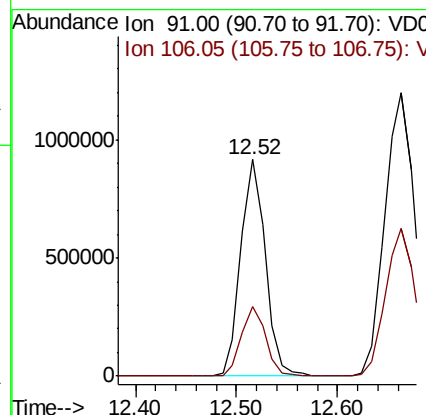
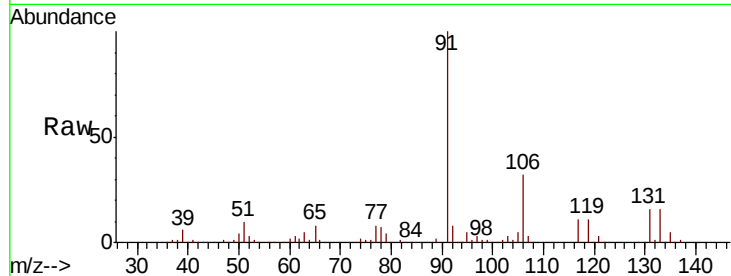




#67
Ethyl Benzene
Concen: 45.024 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

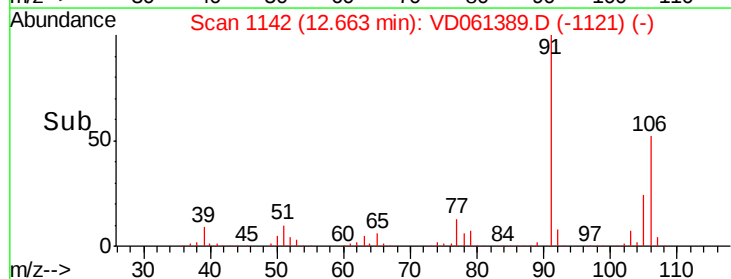
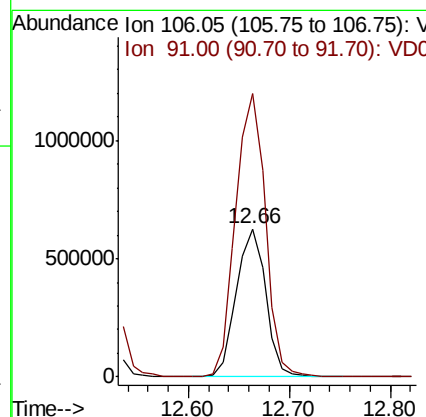
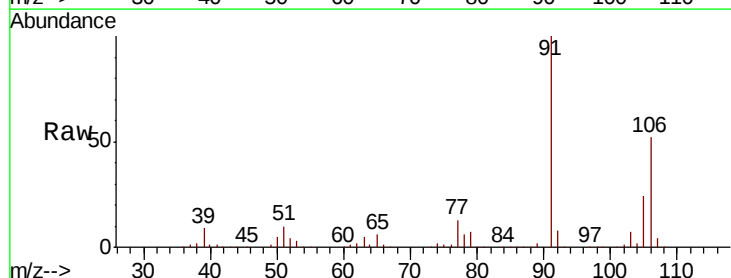
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1551154
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1



#68
m/p-Xylenes
Concen: 96.811 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 106 Resp: 1263434
Ion Ratio Lower Upper
106 100
91 191.3 153.1 229.7

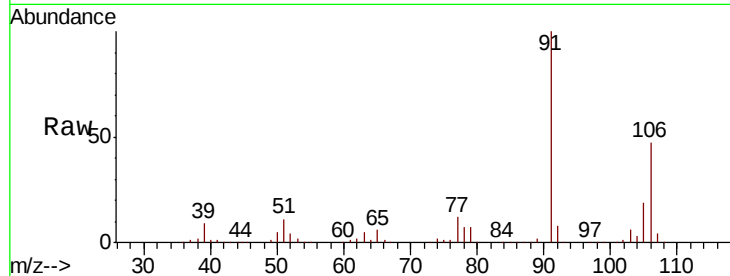




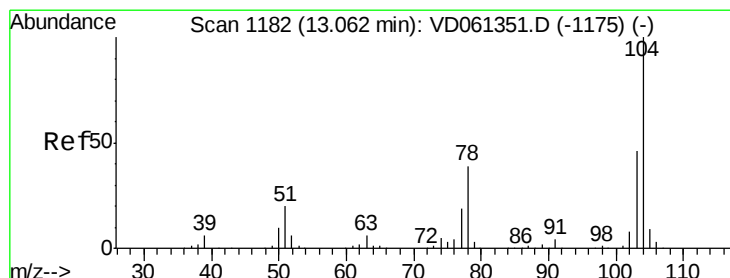
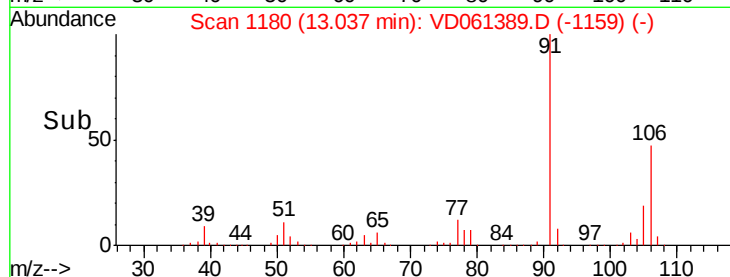
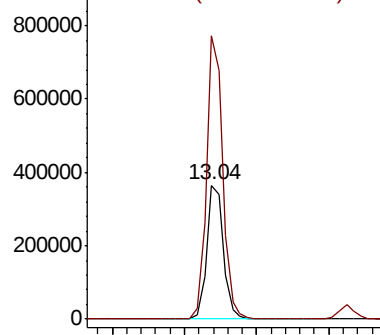
#69
o-Xylene
Concen: 46.672 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 591078
Ion Ratio Lower Upper
106 100
91 211.4 103.8 311.3

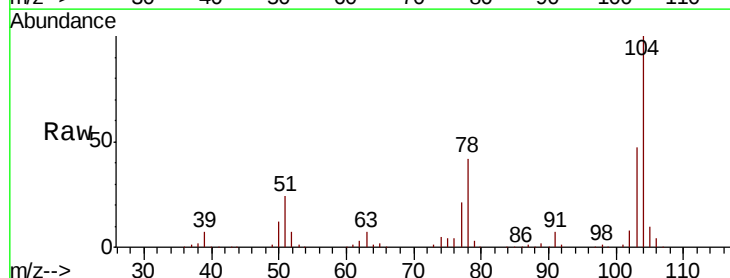


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

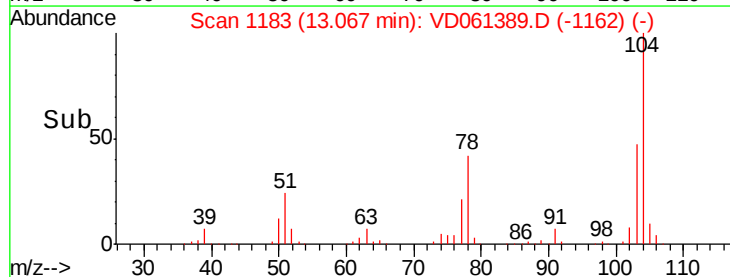
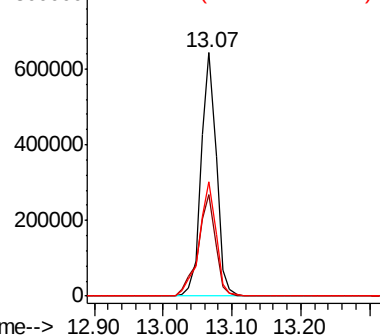


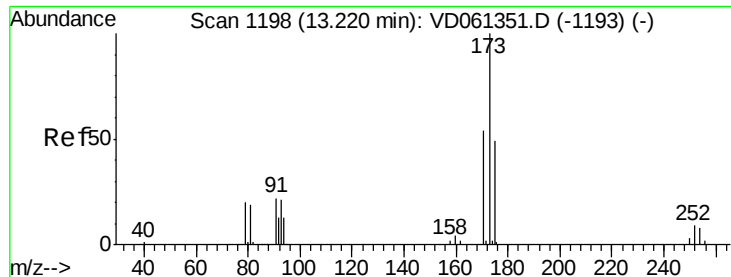
#70
Styrene
Concen: 44.495 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion:104 Resp: 982309
Ion Ratio Lower Upper
104 100
78 41.8 31.0 46.6
103 47.0 37.0 55.4



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: 44.064 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

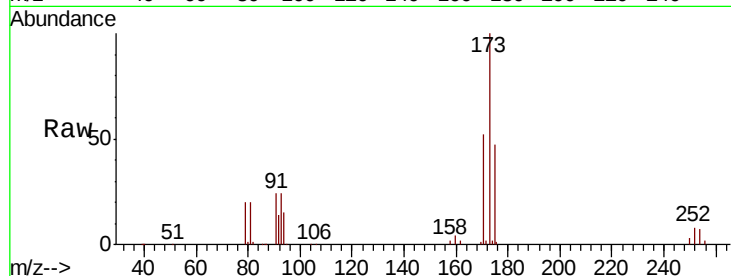
Tgt Ion:173 Resp: 244108

Ion Ratio Lower Upper

173 100

175 46.9 24.6 73.8

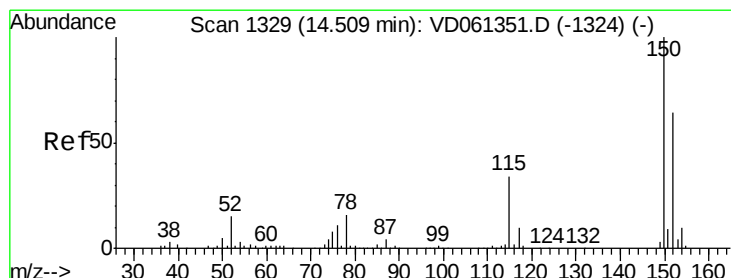
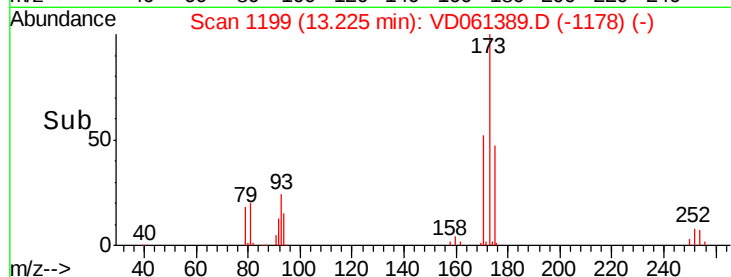
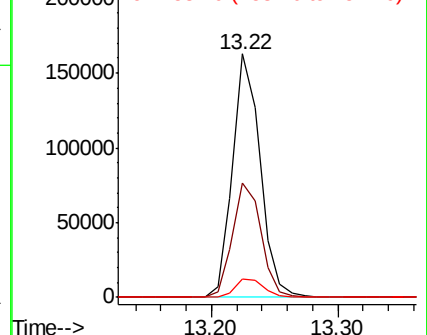
254 7.3 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

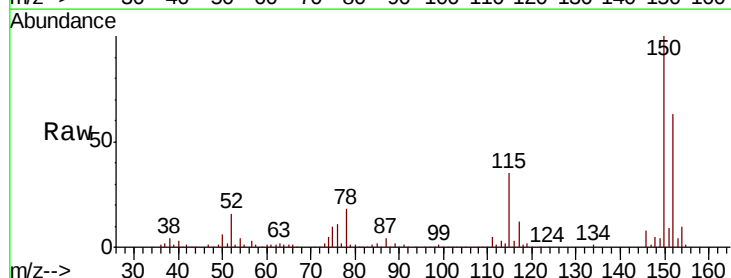
Tgt Ion:152 Resp: 457924

Ion Ratio Lower Upper

152 100

115 55.4 26.9 80.6

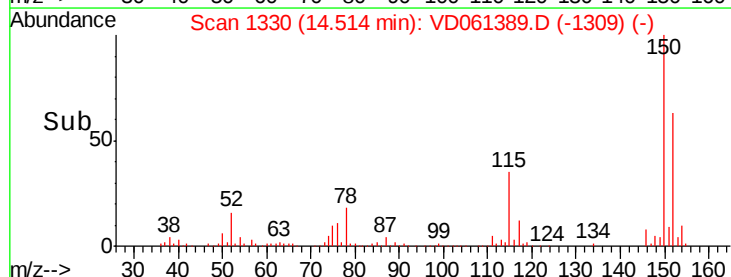
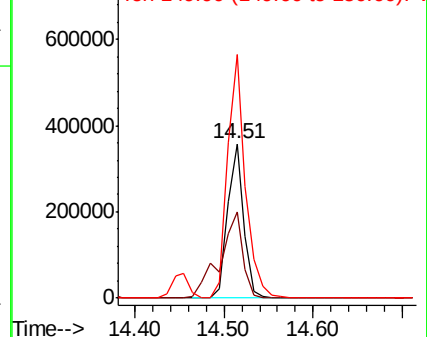
150 157.6 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.866 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

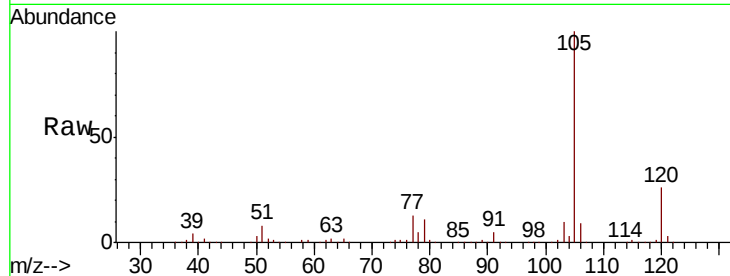
VSTDCCC050

Tgt Ion:105 Resp: 1653027

Ion Ratio Lower Upper

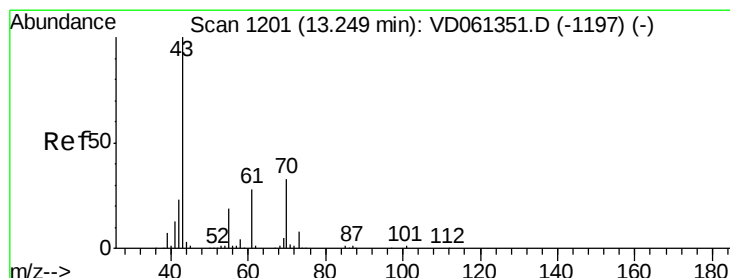
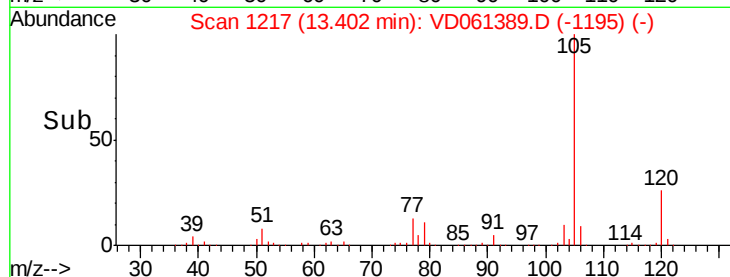
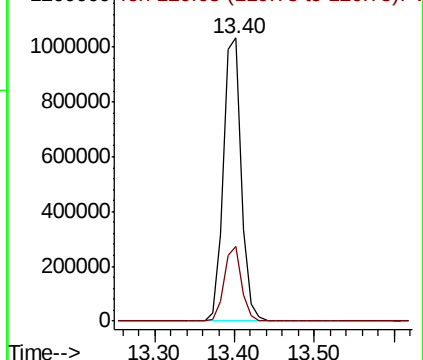
105 100

120 26.3 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.893 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Tgt Ion: 43 Resp: 425213

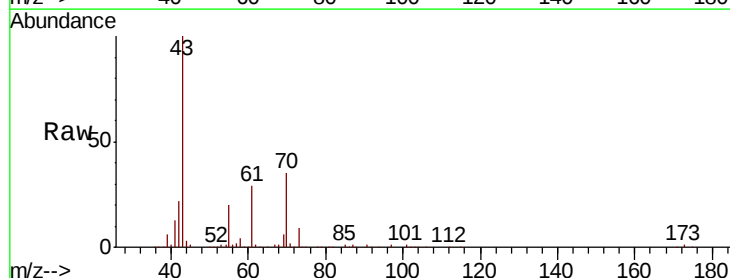
Ion Ratio Lower Upper

43 100

70 35.0 26.6 40.0

55 19.6 15.4 23.2

61 28.8 22.2 33.4

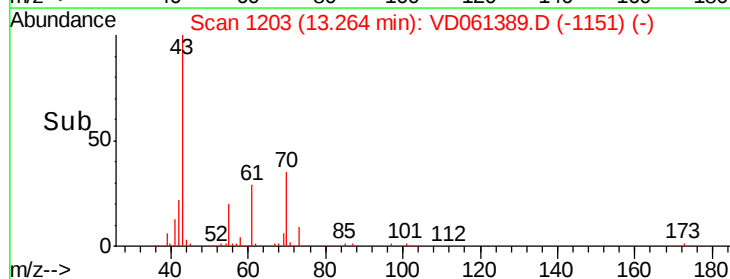
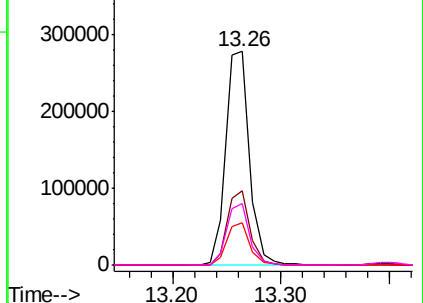


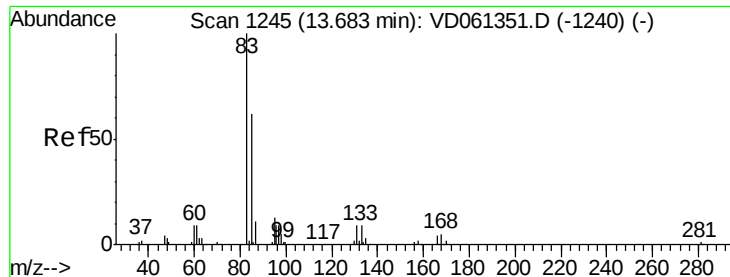
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.071 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

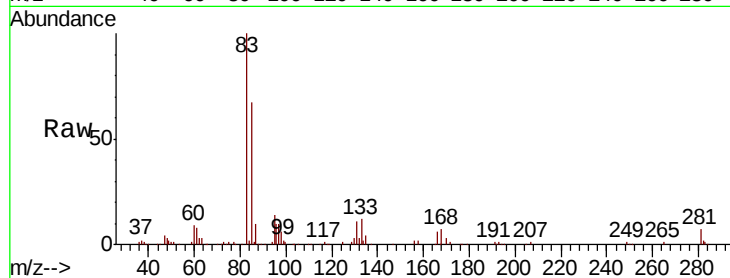
Tgt Ion: 83 Resp: 316470

Ion Ratio Lower Upper

83 100

131 11.0 4.3 13.1

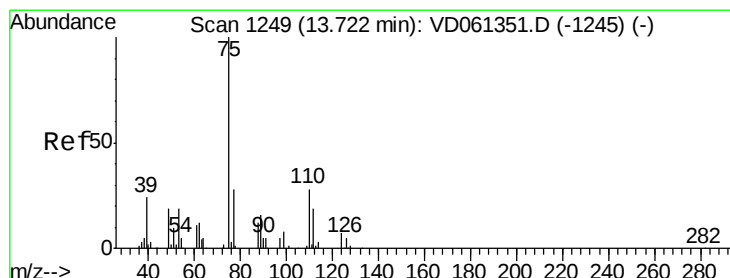
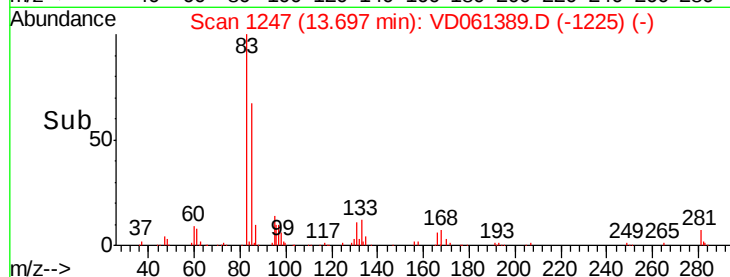
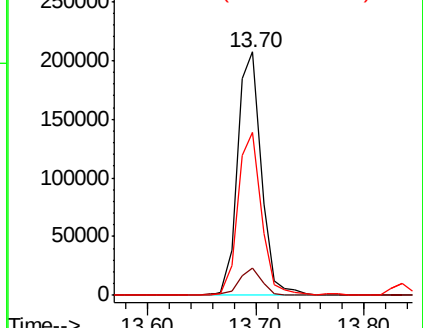
85 67.2 31.2 93.6



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: 48.688 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061389.D

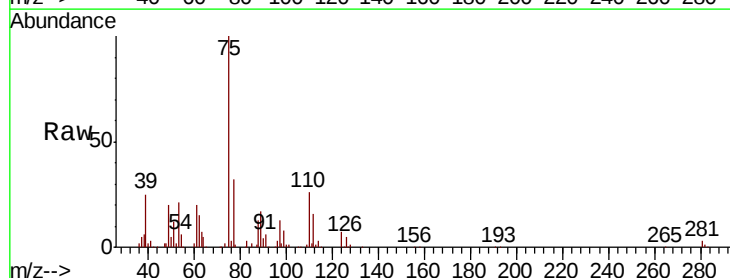
Acq: 28 Mar 2019 14:01

Tgt Ion: 75 Resp: 322062

Ion Ratio Lower Upper

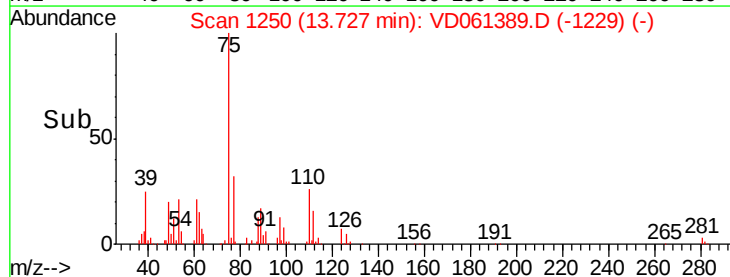
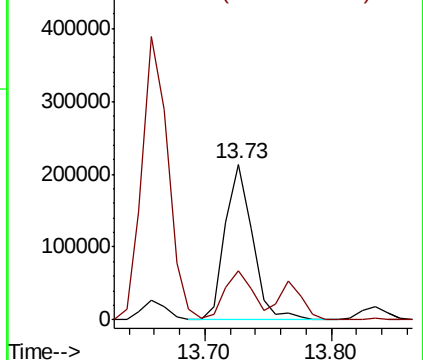
75 100

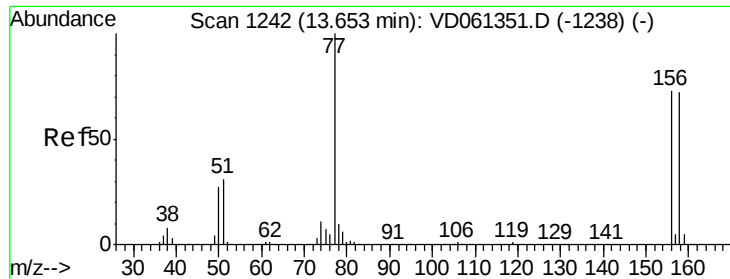
77 31.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.043 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

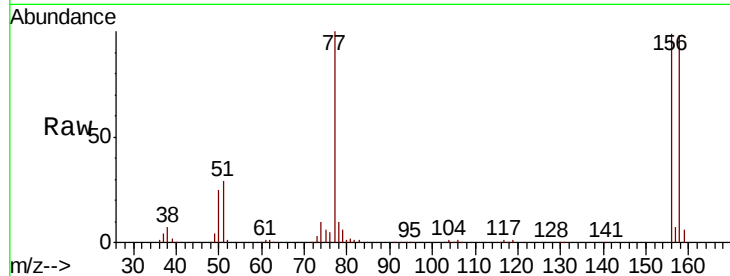
Tgt Ion:156 Resp: 444479

Ion Ratio Lower Upper

156 100

77 100.7 68.5 205.6

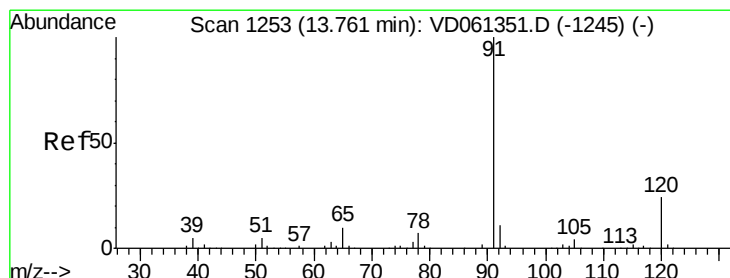
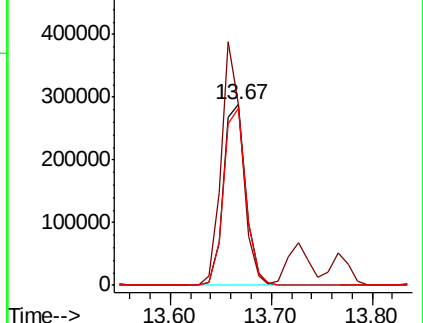
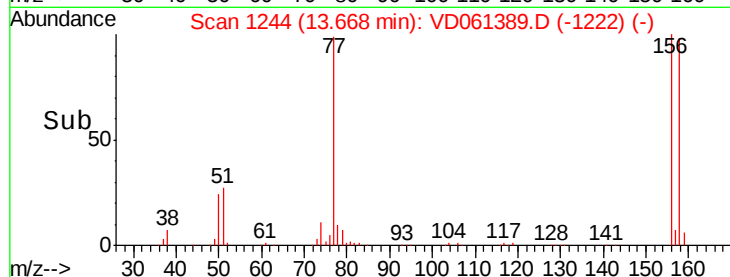
158 98.4 49.1 147.3



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: 48.978 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061389.D

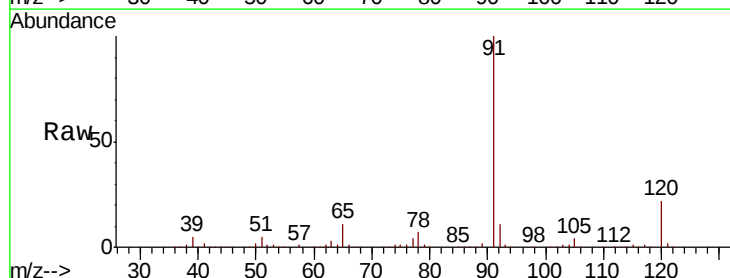
Acq: 28 Mar 2019 14:01

Tgt Ion: 91 Resp: 1910261

Ion Ratio Lower Upper

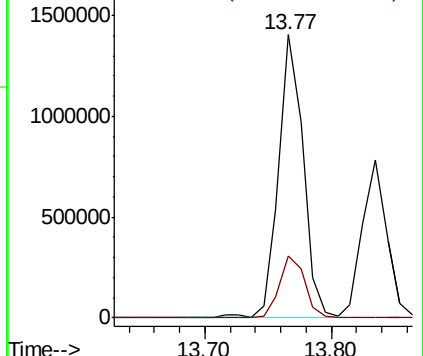
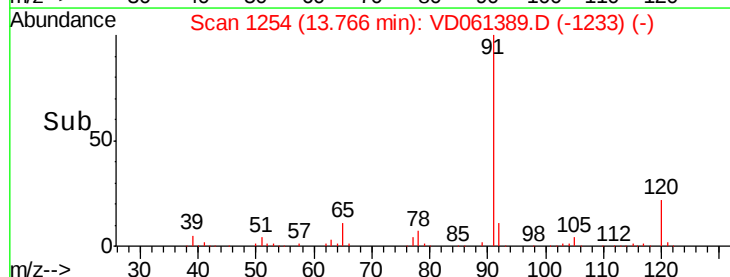
91 100

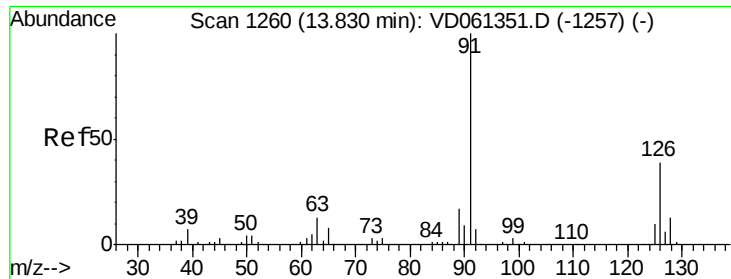
120 21.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

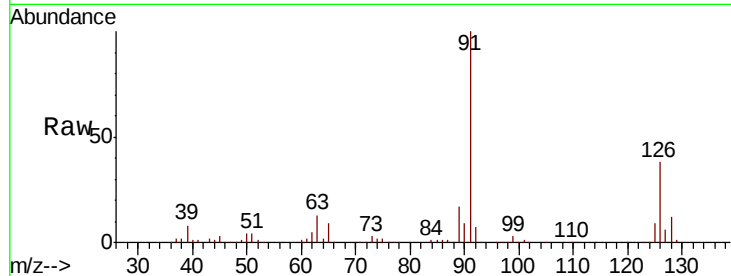




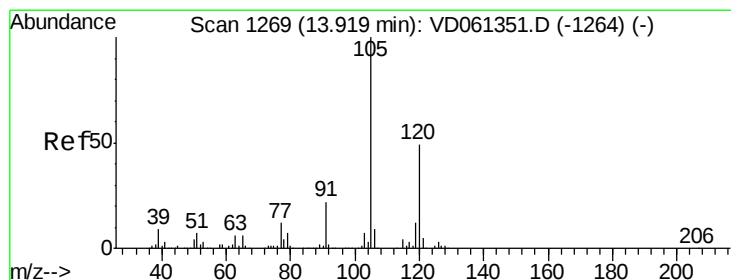
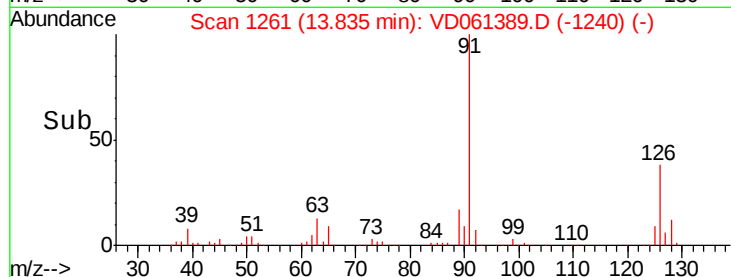
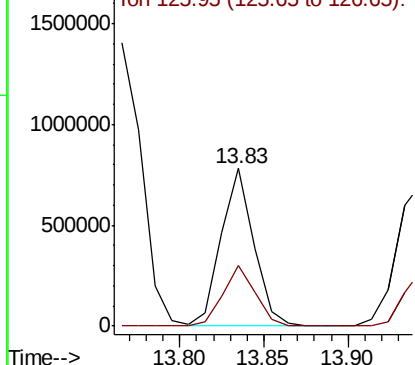
#79
2-Chlorotoluene
Concen: 49.488 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1048024
Ion Ratio Lower Upper
91 100
126 38.4 19.4 58.2

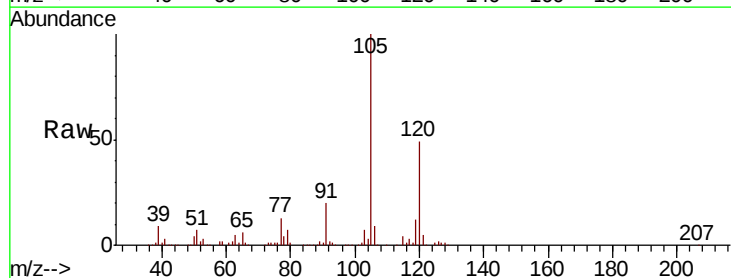


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

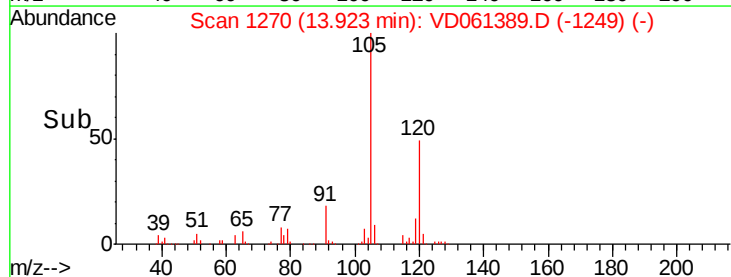
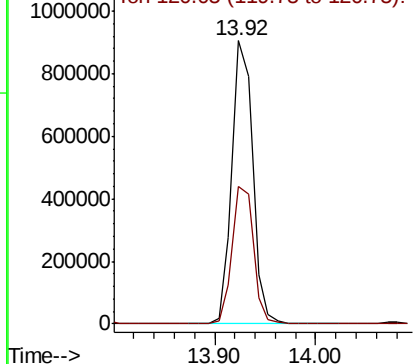


#80
1,3,5-Trimethylbenzene
Concen: 52.148 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion: 105 Resp: 1289533
Ion Ratio Lower Upper
105 100
120 48.8 24.6 73.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 51.858 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

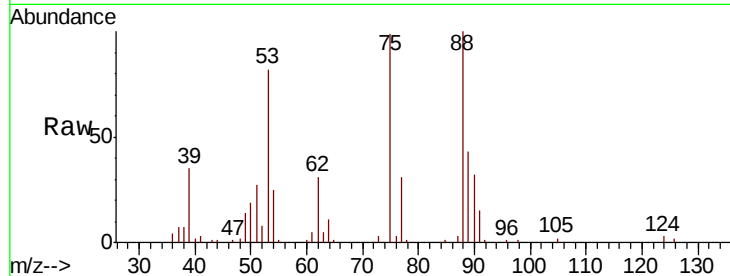
Tgt Ion: 75 Resp: 104591

Ion Ratio Lower Upper

75 100

53 83.0 63.8 95.8

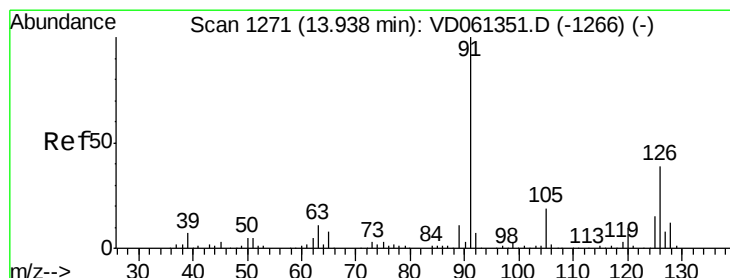
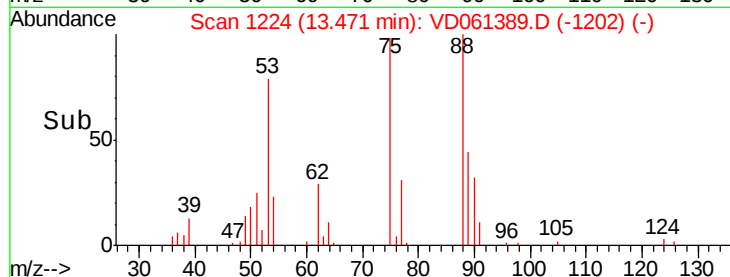
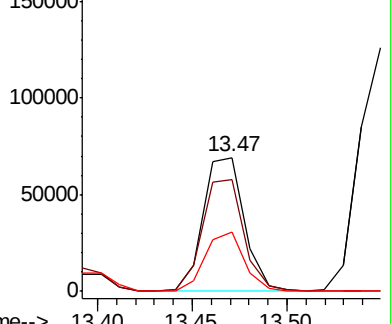
89 44.1 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.438 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061389.D

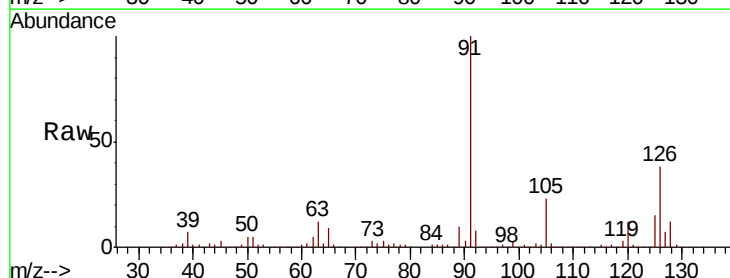
Acq: 28 Mar 2019 14:01

Tgt Ion: 91 Resp: 1115374

Ion Ratio Lower Upper

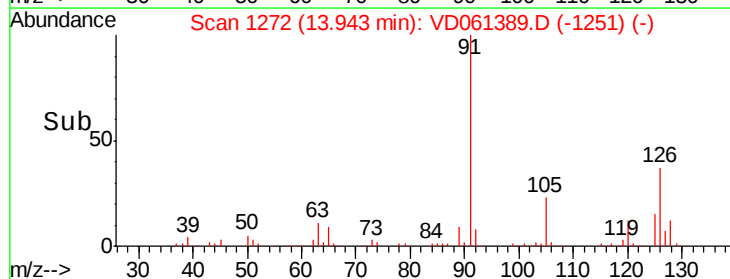
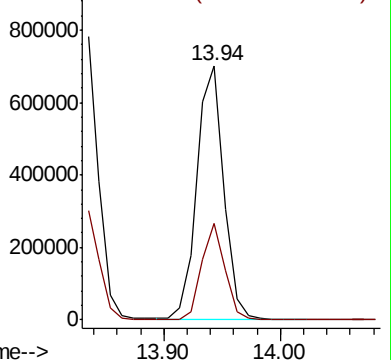
91 100

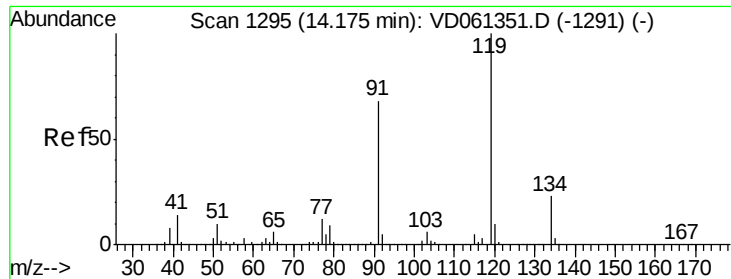
126 37.8 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

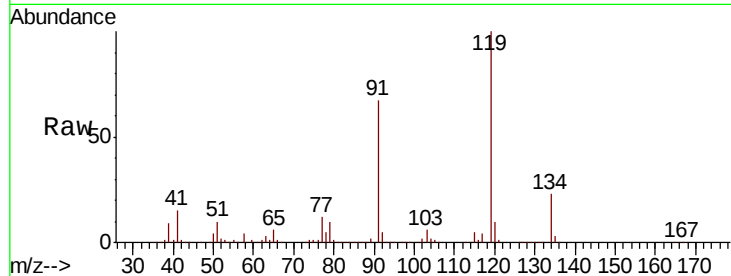




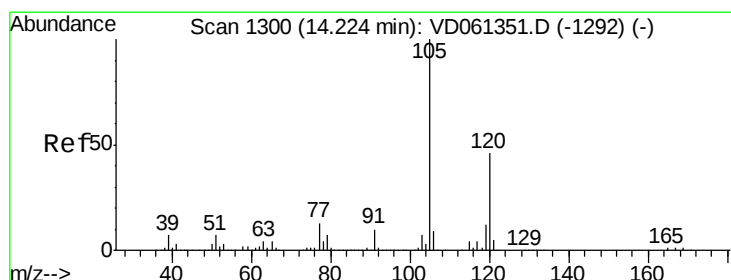
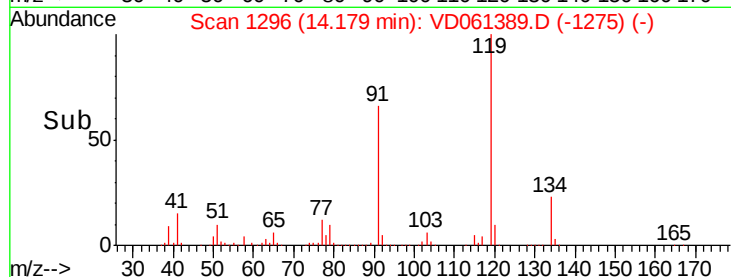
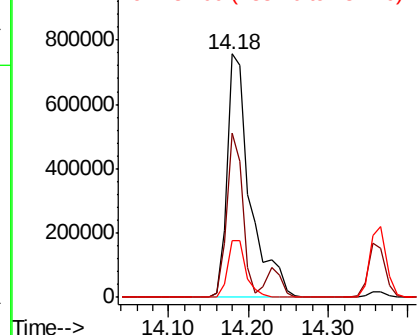
#83
 tert-Butylbenzene
 Concen: 49.788 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1538643
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.1 102.3
 134 23.2 11.6 34.8

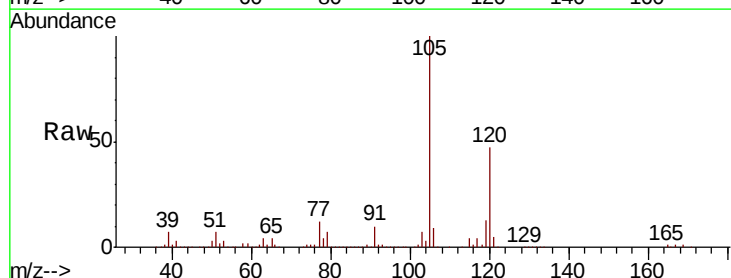


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

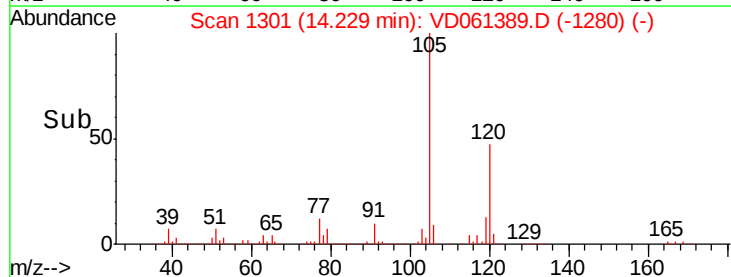
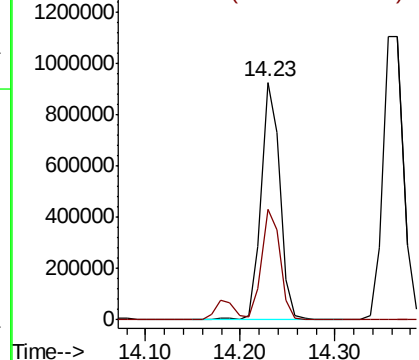


#84
 1,2,4-Trimethylbenzene
 Concen: 47.585 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion:105 Resp: 1273922
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 51.247 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

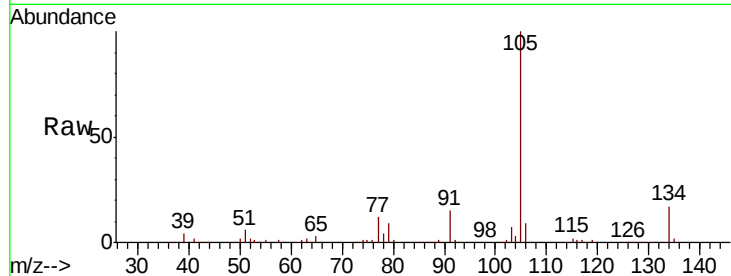
VSTDCCC050

Tgt Ion:105 Resp: 1682451

Ion Ratio Lower Upper

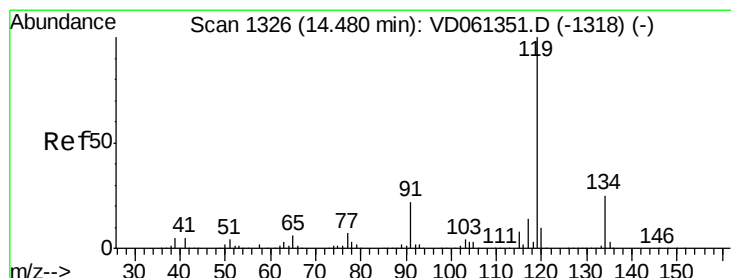
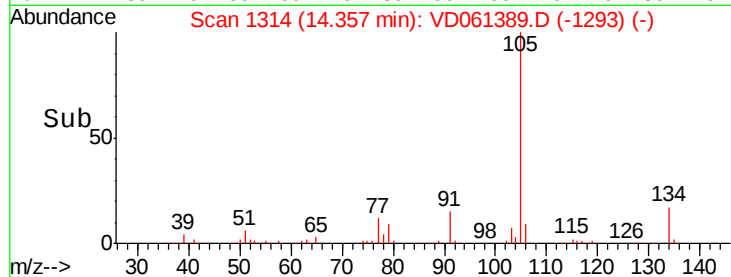
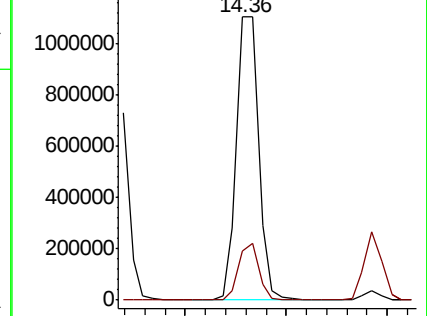
105 100

134 17.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.515 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

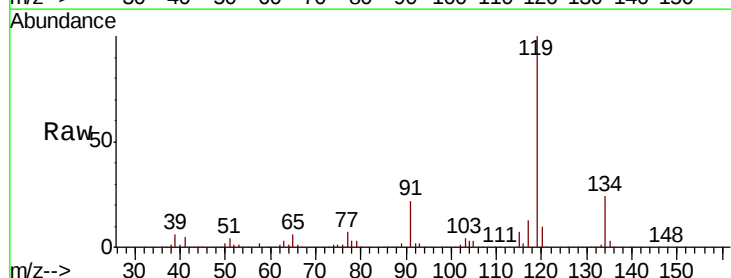
Tgt Ion:119 Resp: 1346838

Ion Ratio Lower Upper

119 100

134 24.4 12.3 36.8

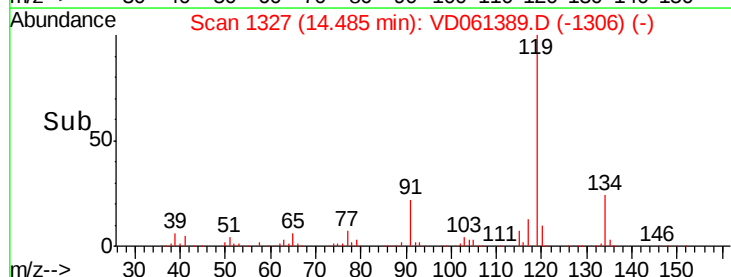
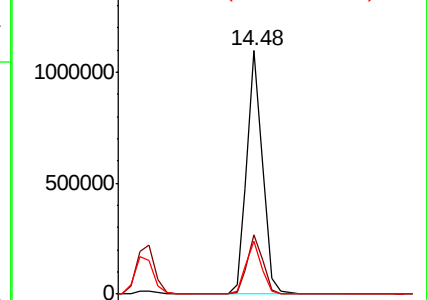
91 21.8 11.1 33.1



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

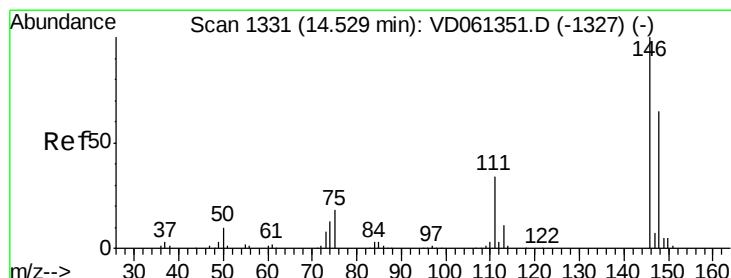
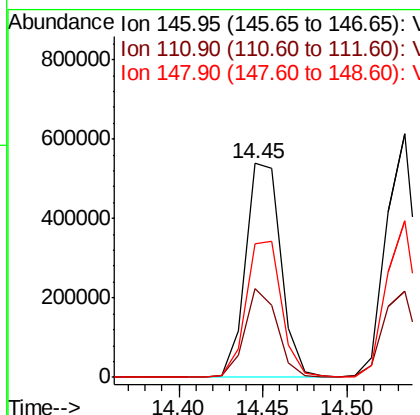
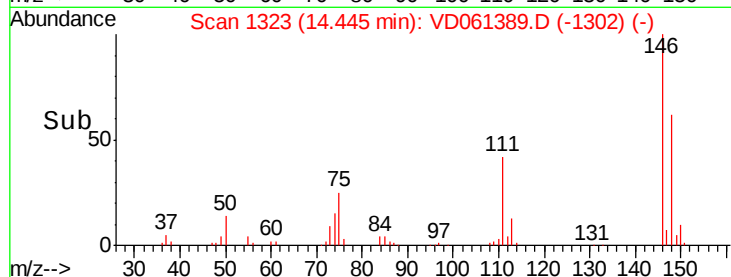
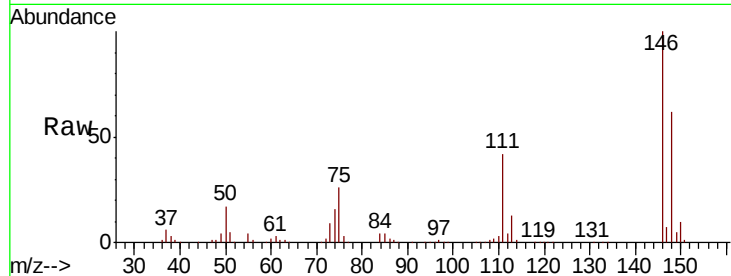




#87
 1,3-Dichlorobenzene
 Concen: 49.199 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

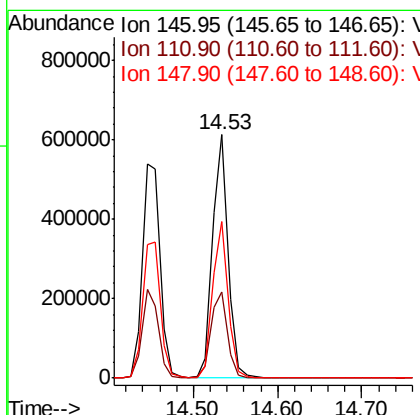
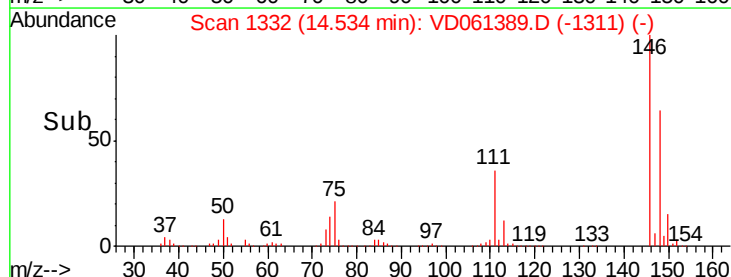
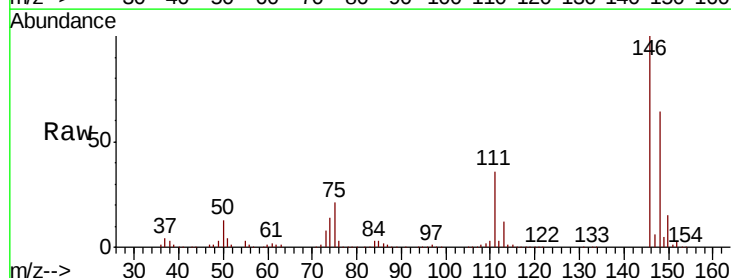
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 787187
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.9
 148 62.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 49.944 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion:146 Resp: 779287
 Ion Ratio Lower Upper
 146 100
 111 35.6 16.8 50.4
 148 64.3 32.6 98.0





#89

n-Butylbenzene

Concen: 46.902 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061389.D

Acq: 28 Mar 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

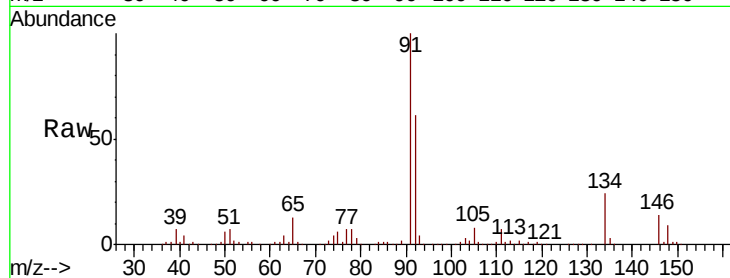
Tgt Ion: 91 Resp: 1195081

Ion Ratio Lower Upper

91 100

92 60.8 30.3 91.0

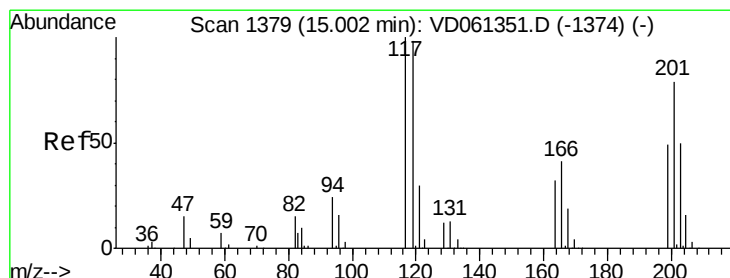
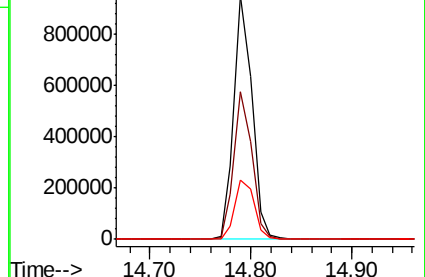
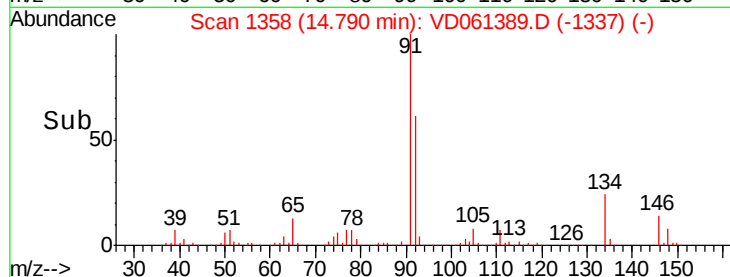
134 24.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.977 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061389.D

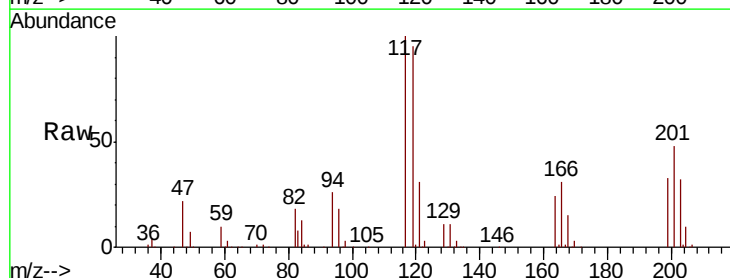
Acq: 28 Mar 2019 14:01

Tgt Ion: 117 Resp: 399804

Ion Ratio Lower Upper

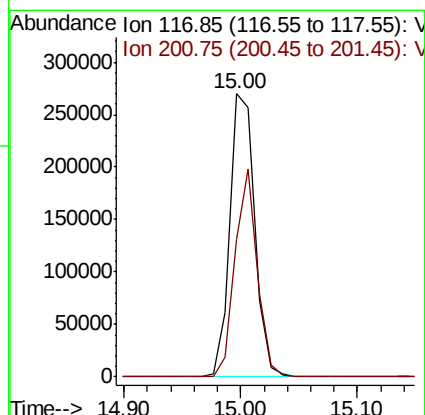
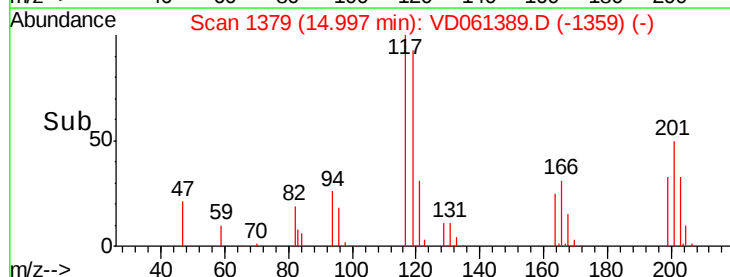
117 100

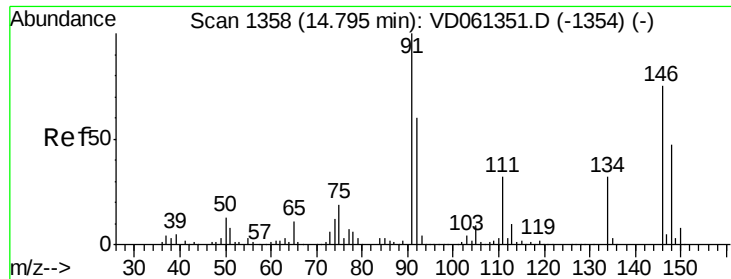
201 48.4 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

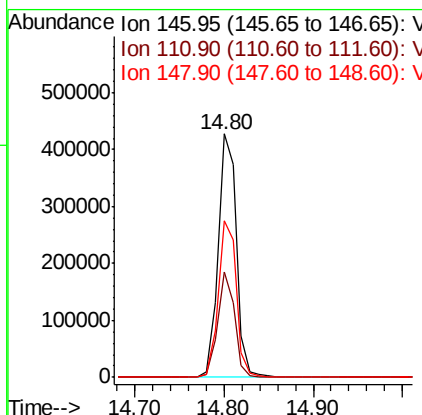
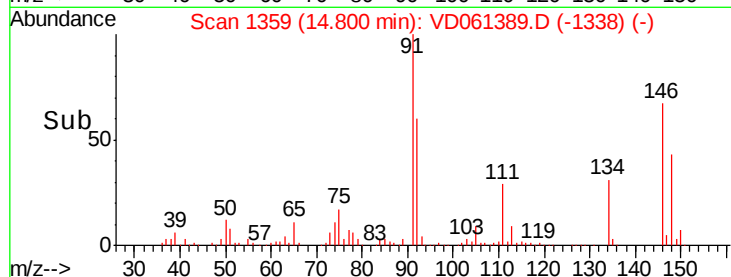
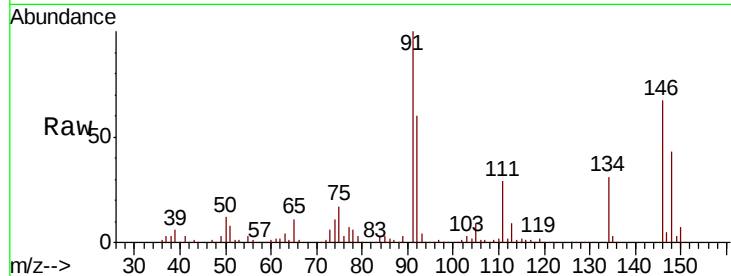




#91
 1,2-Dichlorobenzene
 Concen: 46.574 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

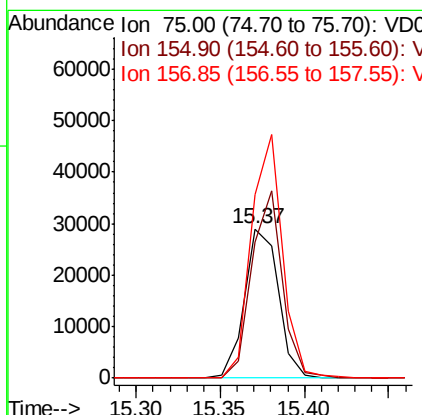
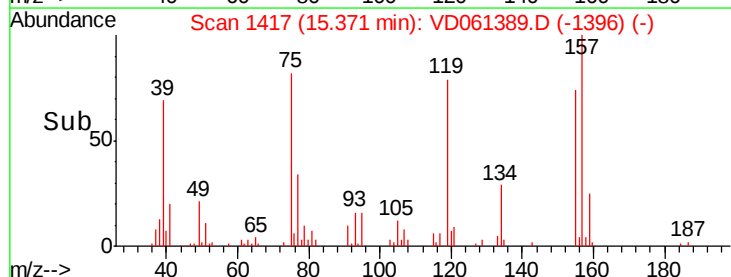
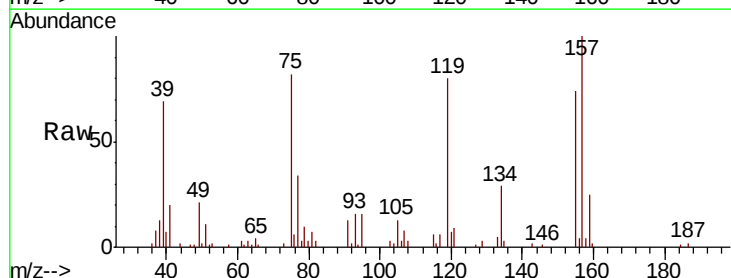
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

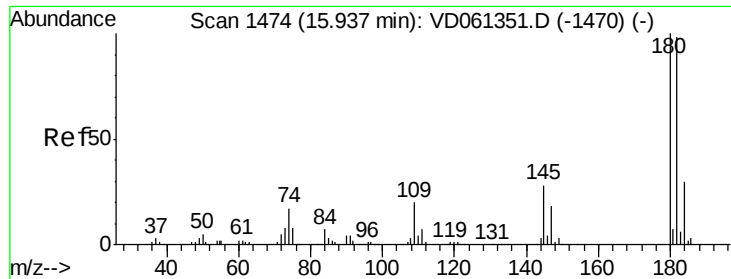
Tgt Ion: 146 Resp: 611237
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.2 63.6
 148 64.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.141 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion: 75 Resp: 40326
 Ion Ratio Lower Upper
 75 100
 155 91.2 43.6 130.9
 157 122.6 58.5 175.3

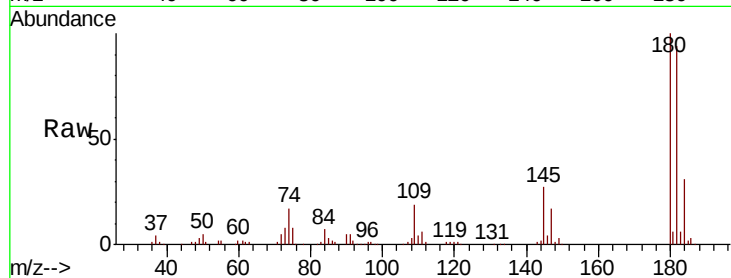




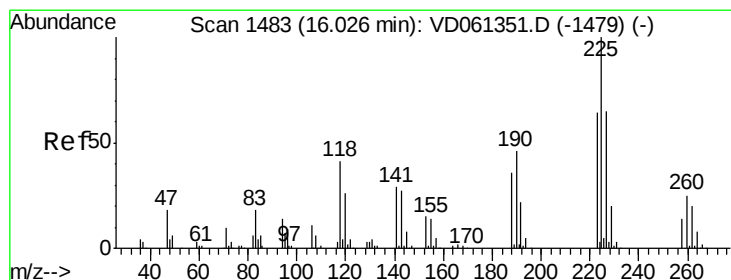
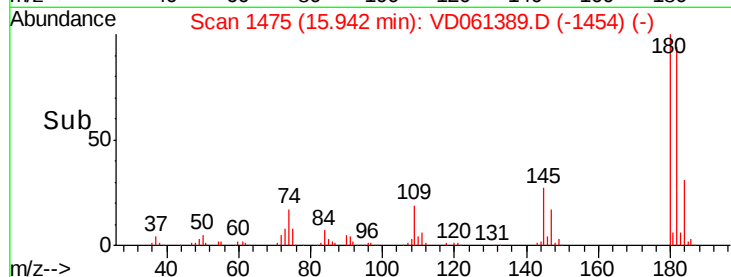
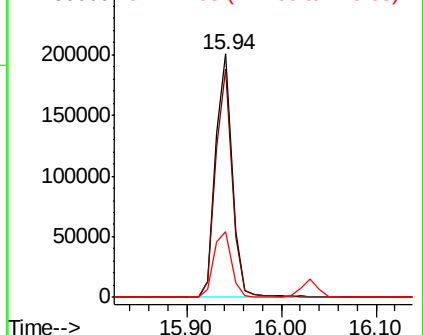
#93
 1,2,4-Trichlorobenzene
 Concen: 41.470 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 247925
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.9 146.8
 145 27.1 14.1 42.3

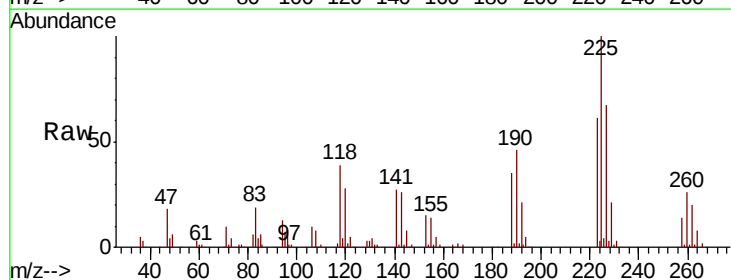


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

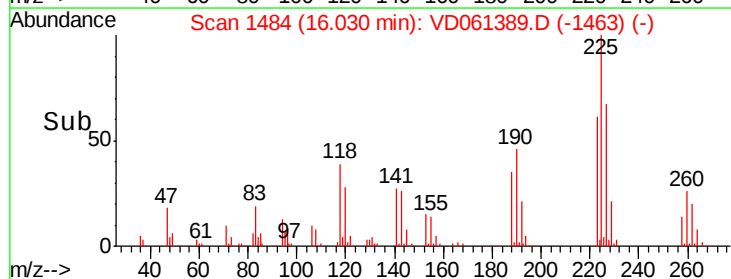
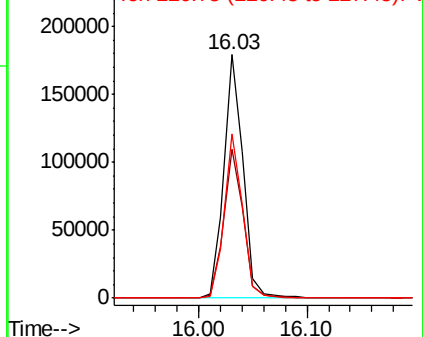


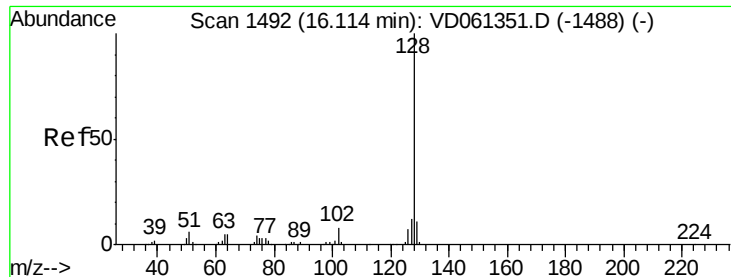
#94
 Hexachlorobutadiene
 Concen: 47.292 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061389.D
 Acq: 28 Mar 2019 14:01

Tgt Ion:225 Resp: 220934
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.0 96.0
 227 67.4 32.4 97.2



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

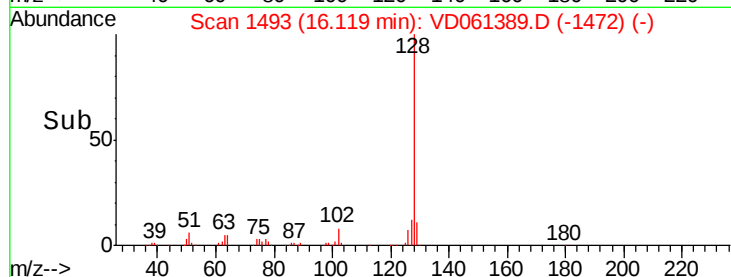
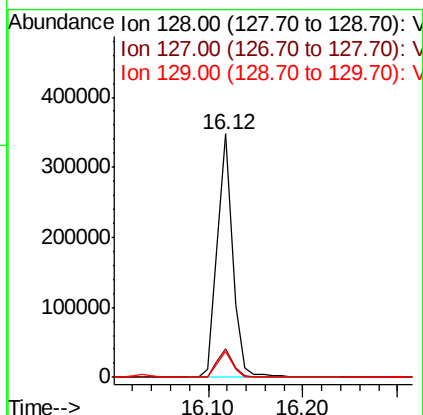
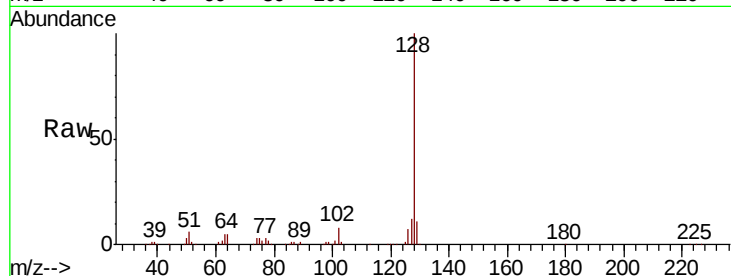




#95
Naphthalene
Concen: 43.575 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 397080
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 40.028 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061389.D
Acq: 28 Mar 2019 14:01

Tgt Ion:180 Resp: 105303
Ion Ratio Lower Upper
180 100
182 95.9 46.4 139.1
145 29.4 15.3 45.9

