

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061647.D
 Acq On : 8 Apr 2019 13:04
 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: Apr 09 06:58:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	651814	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1120420	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	827414	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	407266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	254909	51.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	6.93	113	395783	50.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.43	98	857463	43.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.94%	
62) 4-Bromofluorobenzene	13.56	95	342771	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	329660	46.880	ug/l	100
3) Chloromethane	1.76	50	255119	44.895	ug/l	96
4) Vinyl Chloride	1.85	62	242775	45.721	ug/l	98
5) Bromomethane	2.15	94	51381	41.806	ug/l	100
6) Chloroethane	2.27	64	89615	53.883	ug/l	97
7) Trichlorofluoromethane	2.53	101	370339	46.192	ug/l	99
8) Diethyl Ether	2.88	74	113147	50.287	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	399472	50.680	ug/l	96
10) Methyl Iodide	3.31	142	514494	44.225	ug/l	96
11) Tert butyl alcohol	4.07	59	86238	260.443	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	343294	50.521	ug/l	97
13) Acrolein	3.04	56	116227	287.899	ug/l	99
14) Allyl chloride	3.63	41	441048	47.589	ug/l	98
15) Acrylonitrile	4.21	53	276966	242.989	ug/l	95
16) Acetone	3.23	43	388501	263.044	ug/l	100
17) Carbon Disulfide	3.39	76	1020802	46.233	ug/l	99
18) Methyl Acetate	3.65	43	133721	48.122	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	617157	52.454	ug/l	99
20) Methylene Chloride	3.82	84	361527	43.137	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	363271	49.223	ug/l	94
22) Diisopropyl ether	5.13	45	972374	50.042	ug/l	97
23) Vinyl Acetate	5.07	43	2858878	266.643	ug/l	98
24) 1,1-Dichloroethane	4.99	63	566795	47.601	ug/l	99
25) 2-Butanone	6.09	43	411322	241.575	ug/l	97
26) 2,2-Dichloropropane	6.04	77	468953	48.368	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	370920	47.111	ug/l	96
28) Bromochloromethane	6.45	49	219572	49.989	ug/l	93
29) Tetrahydrofuran	6.47	42	222371	270.545	ug/l	99
30) Chloroform	6.68	83	589913	47.292	ug/l	99
31) Cyclohexane	6.97	56	495027	53.216	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	555116	50.783	ug/l	99
36) 1,1-Dichloropropene	7.16	75	447923	45.680	ug/l	100
37) Ethyl Acetate	6.20	43	217369	54.424	ug/l	99
38) Carbon Tetrachloride	7.13	117	547482m	47.639	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	502607	49.926	ug/l	97
40) Benzene	7.47	78	1154752	48.814	ug/l	98
41) Methacrylonitrile	6.46	41	249570	53.528	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	371829	49.979	ug/l	100
43) Isopropyl Acetate	9.25	43	292698	50.496	ug/l	98
44) Trichloroethene	8.56	130	436195	48.097	ug/l	96
45) 1,2-Dichloropropane	8.95	63	290943	49.593	ug/l	100
46) Dibromomethane	9.08	93	214453	51.147	ug/l	94
47) Bromodichloromethane	9.39	83	466995	50.712	ug/l	98
48) Methyl methacrylate	9.13	41	165087	49.408	ug/l	100
49) 1,4-Dioxane	9.09	88	42543	1153.524	ug/l	100
51) 4-Methyl-2-Pentanone	10.31	43	878434	256.252	ug/l	100
52) Toluene	10.53	92	745409	50.461	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	397743	49.274	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	512122	51.466	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	241444	48.462	ug/l	98
56) Ethyl methacrylate	11.06	69	259536	49.381	ug/l	98
57) 1,3-Dichloropropane	11.42	76	371059	50.857	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	658341	265.468	ug/l	98
59) 2-Hexanone	11.54	43	698434	262.528	ug/l	98
60) Dibromochloromethane	11.70	129	398671	50.648	ug/l	100
61) 1,2-Dibromoethane	11.82	107	303149	52.030	ug/l	97
64) Tetrachloroethene	11.28	164	333495	51.925	ug/l	98
65) Chlorobenzene	12.41	112	838736	51.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	338851	53.666	ug/l	98
67) Ethyl Benzene	12.54	91	1351283	54.080	ug/l	100
68) m/p-Xylenes	12.67	106	972554	100.961	ug/l	97
69) o-Xylene	13.06	106	518813	55.794	ug/l	96
70) Styrene	13.09	104	815798	51.372	ug/l	99
71) Bromoform	13.24	173	227849	58.160	ug/l	97
73) Isopropylbenzene	13.41	105	1384207	51.009	ug/l	100
74) N-amyl acetate	13.27	43	392577	53.244	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	278572	49.648	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	292930	52.867	ug/l	98
77) Bromobenzene	13.68	156	401851	51.017	ug/l	91
78) n-propylbenzene	13.79	91	1568225	48.311	ug/l	96
79) 2-Chlorotoluene	13.85	91	819279	44.135	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1146181	53.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	89444	53.196	ug/l	95
82) 4-Chlorotoluene	13.95	91	1077254	52.960	ug/l	92
83) tert-Butylbenzene	14.20	119	1276337	49.148	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1109008	51.017	ug/l	98
85) sec-Butylbenzene	14.38	105	1346576	47.993	ug/l	96
86) p-Isopropyltoluene	14.49	119	1183663	48.630	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	709630	52.348	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	691199	50.534	ug/l	96
89) n-Butylbenzene	14.81	91	1086206	51.342	ug/l	96
90) Hexachloroethane	15.02	117	348300	52.737	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	558552	49.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39891	58.915	ug/l	79

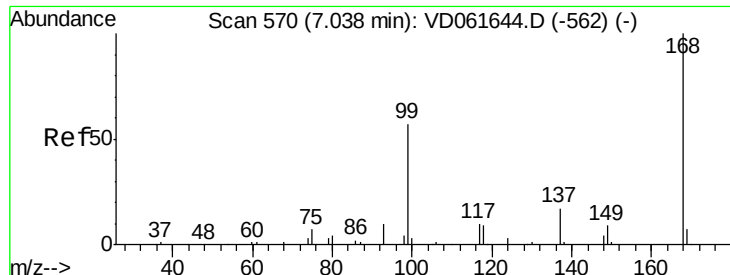
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	349391	61.382	ug/l	97
94) Hexachlorobutadiene	16.05	225	232820	52.971	ug/l	98
95) Naphthalene	16.13	128	551869	61.275	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	205237	72.246	ug/l	98

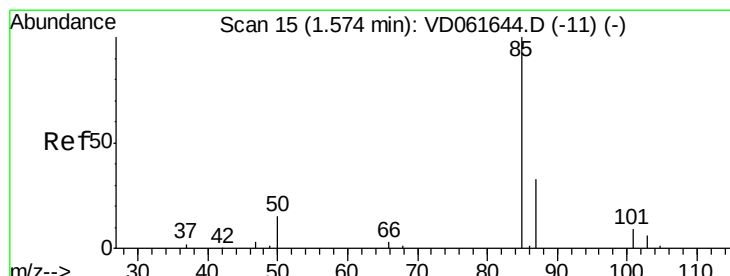
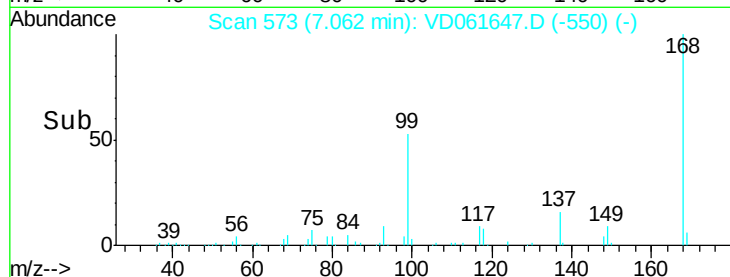
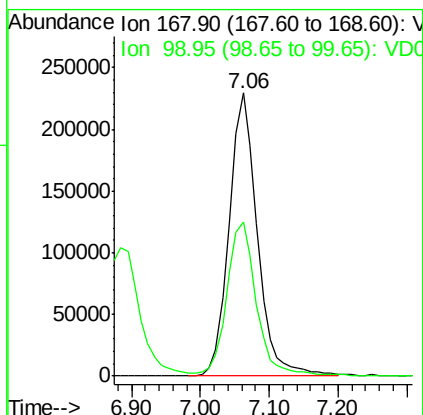
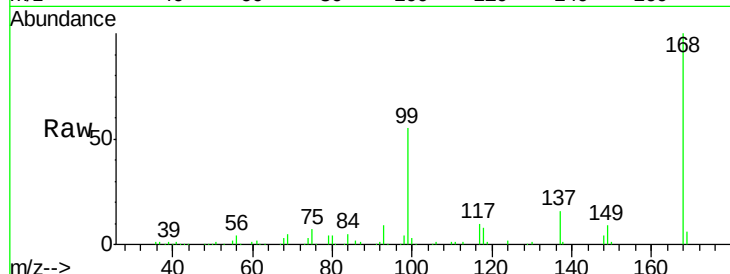
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

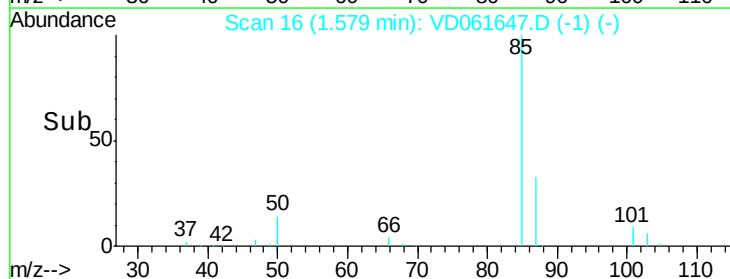
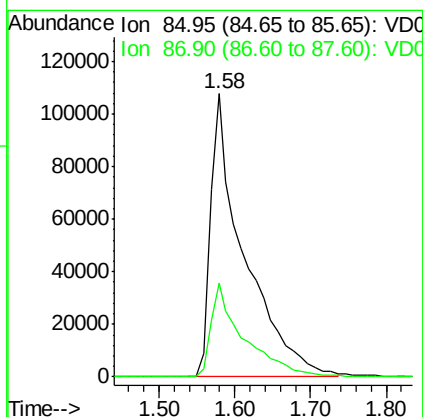
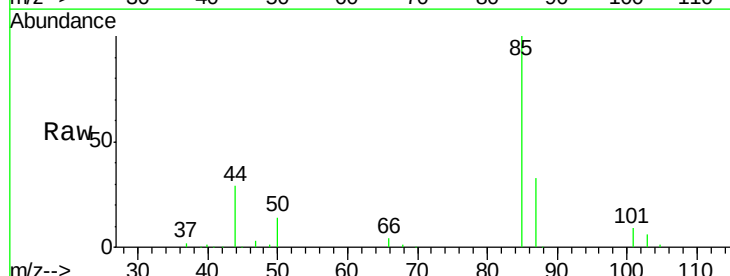
Instrument :
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VSTDCCC050

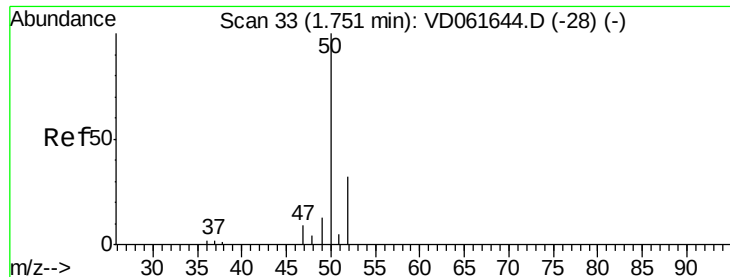
Tot Ion:168 Resp: 651814
Ion Ratio Lower Upper
168 100
99 54.6 46.8 70.2



#2
Dichlorodifluoromethane
Concen: 46.880 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 85 Resp: 329660
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8





#3

Chloromethane

Concen: 44.895 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

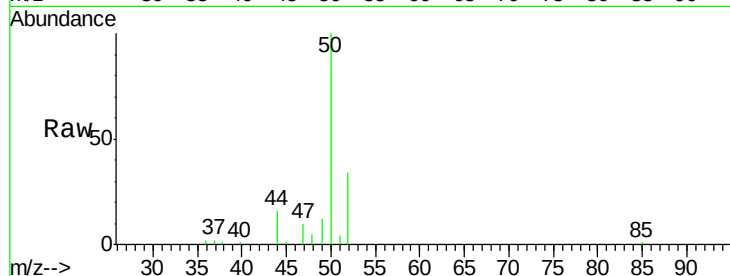
VSTDCCC050

Tot Ion: 50 Resp: 255119

Ion Ratio Lower Upper

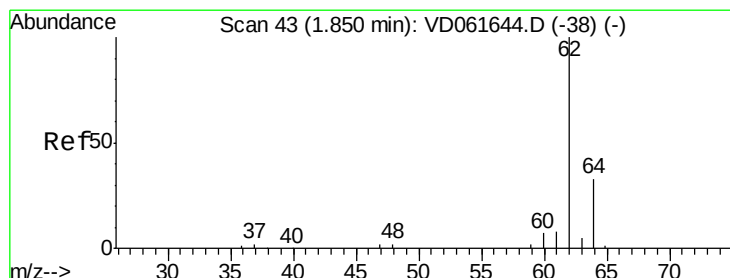
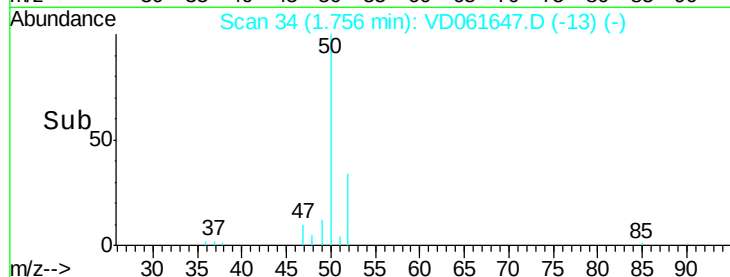
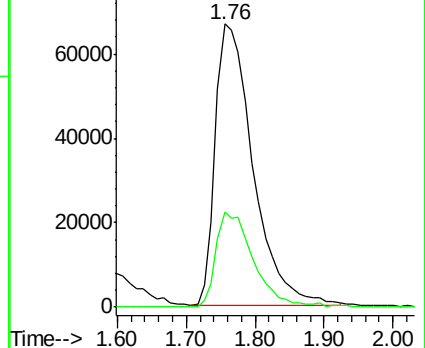
50 100

52 33.8 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.721 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061647.D

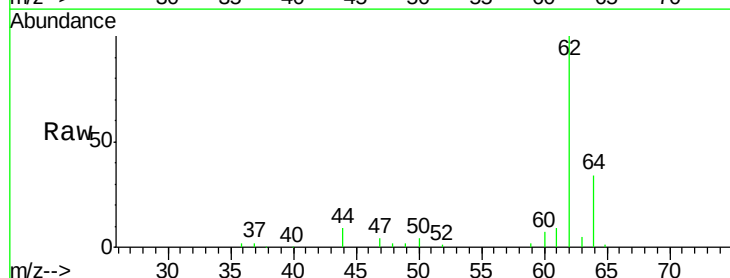
Acq: 8 Apr 2019 13:04

Tgt Ion: 62 Resp: 242775

Ion Ratio Lower Upper

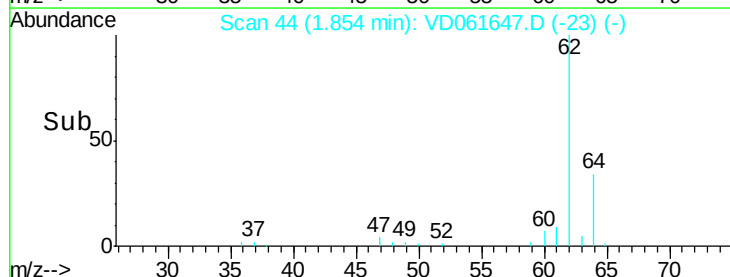
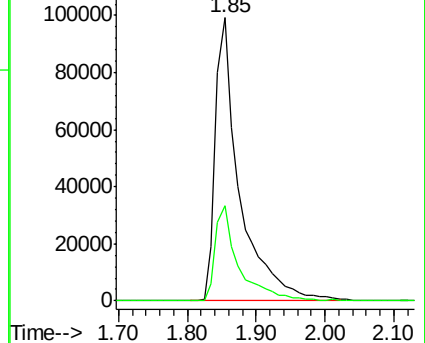
62 100

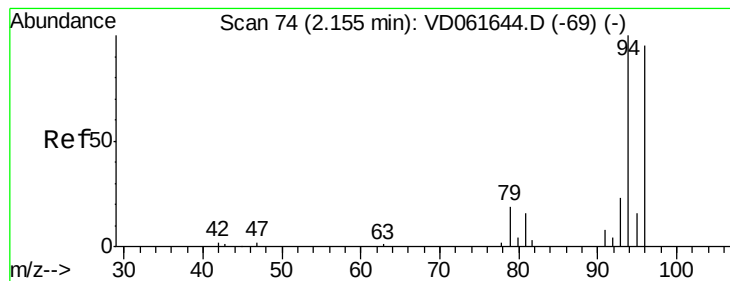
64 33.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.806 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

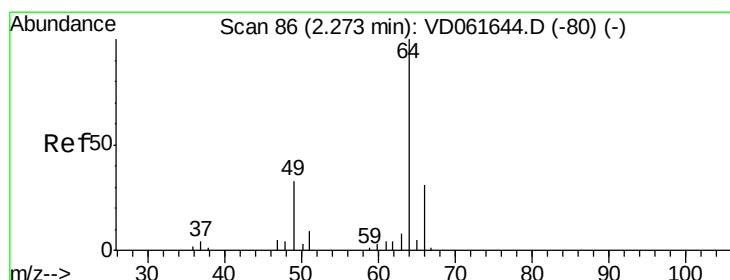
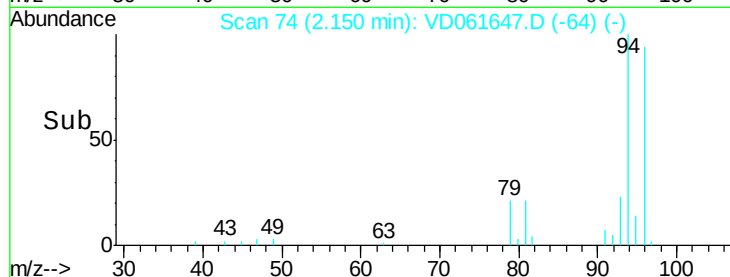
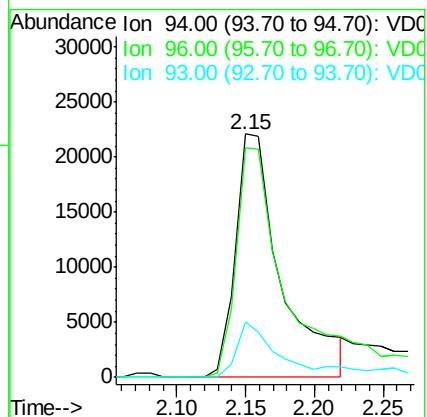
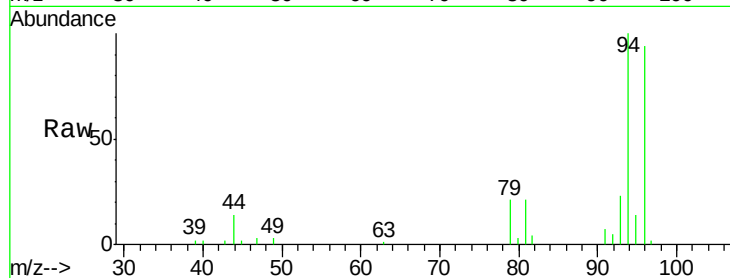
Tot Ion: 94 Resp: 51381

Ion Ratio Lower Upper

94 100

96 94.5 75.8 113.8

93 23.0 18.6 28.0



#6

Chloroethane

Concen: 53.883 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061647.D

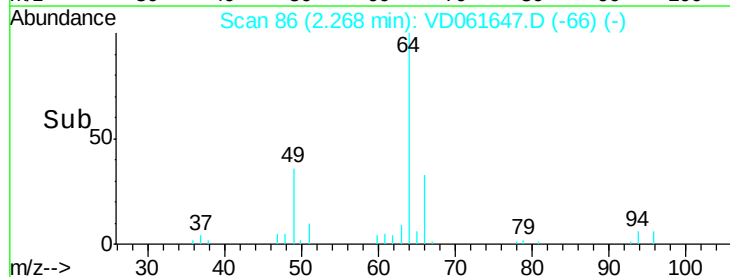
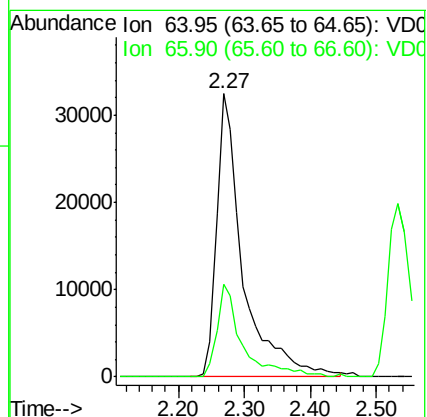
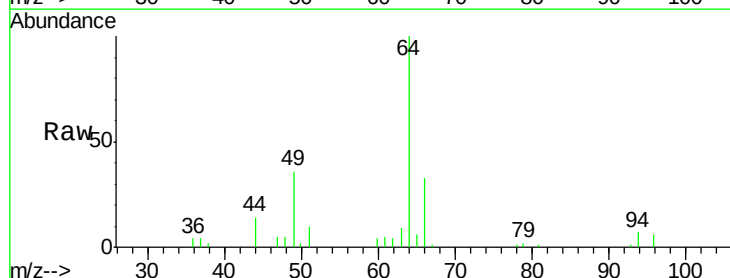
Acq: 8 Apr 2019 13:04

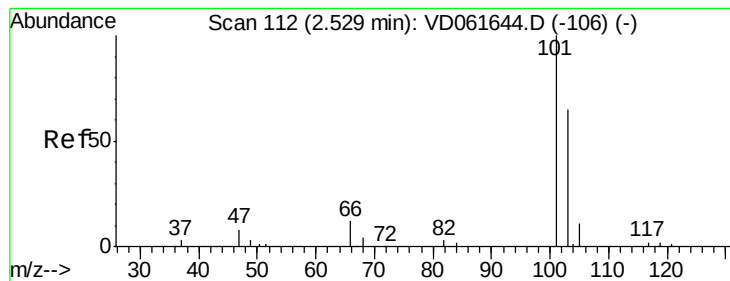
Tgt Ion: 64 Resp: 89615

Ion Ratio Lower Upper

64 100

66 32.7 24.9 37.3



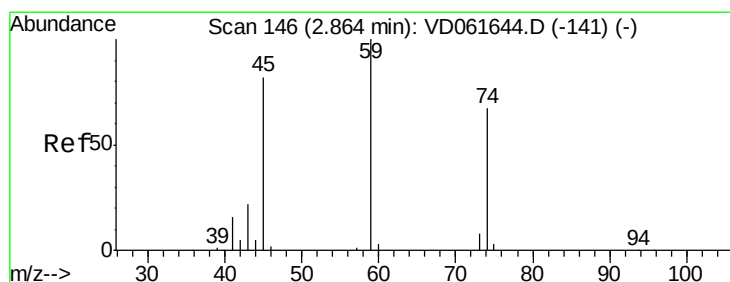
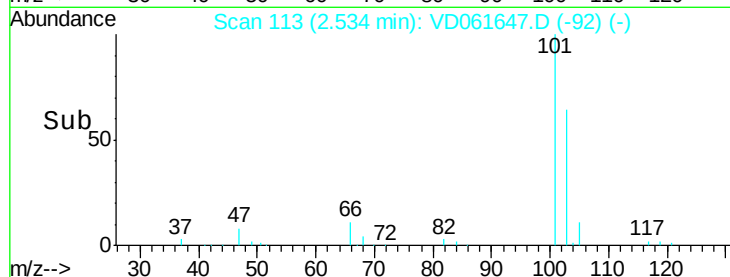
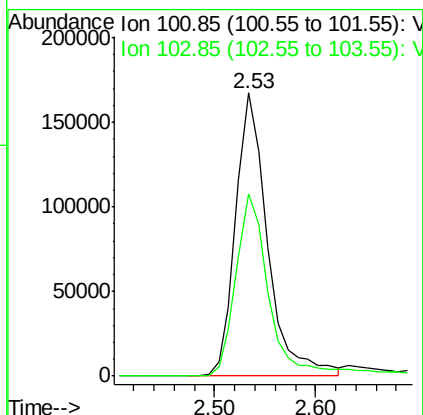
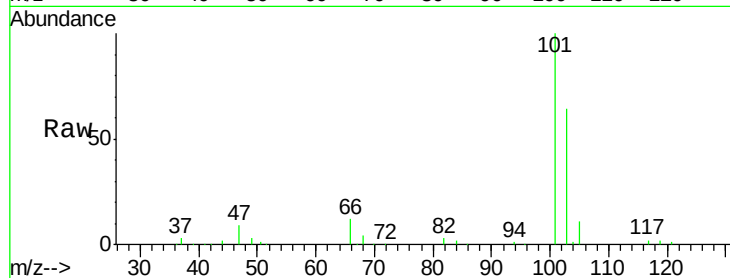


#7

Trichlorofluoromethane
 Concen: 46.192 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Instrument :
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 ClientSampleId :
 VSTDCCC050

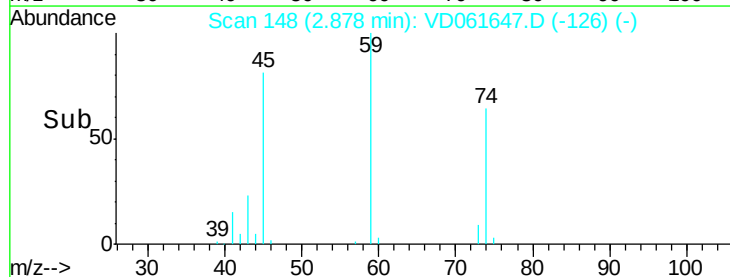
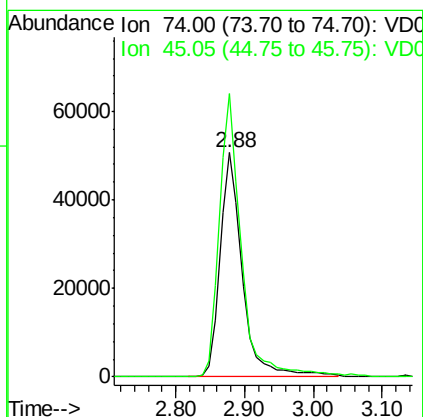
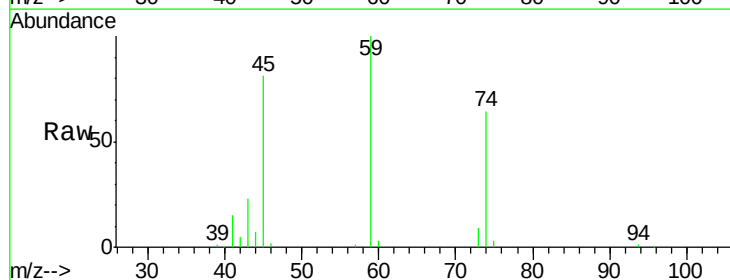
Tot Ion:101 Resp: 370339
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.0 78.0

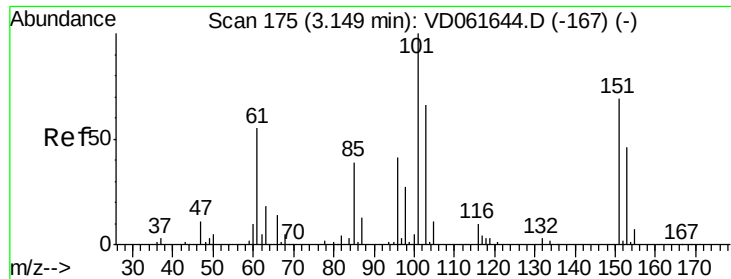


#8

Diethyl Ether
 Concen: 50.287 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 74 Resp: 113147
 Ion Ratio Lower Upper
 74 100
 45 126.2 61.0 183.0

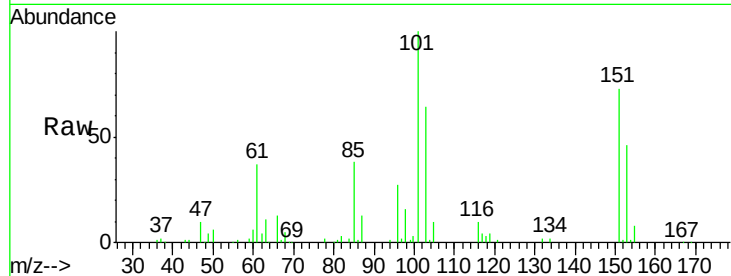




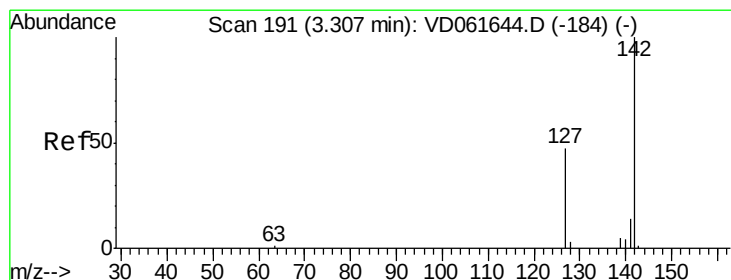
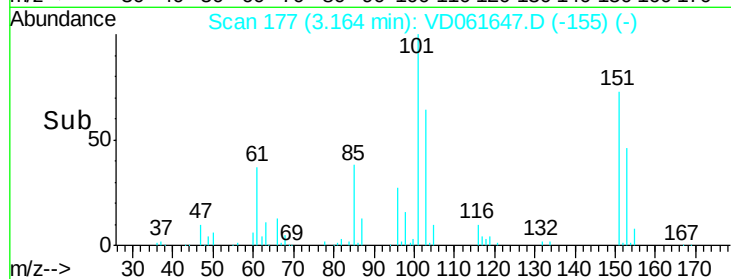
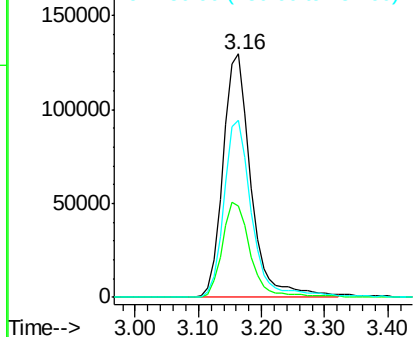
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.680 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Instrument :
 MSVOA_D
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 VSTDCCC050

Tot Ion:101 Resp: 399472
 Ion Ratio Lower Upper
 101 100
 85 37.7 31.0 46.6
 151 72.9 55.3 82.9

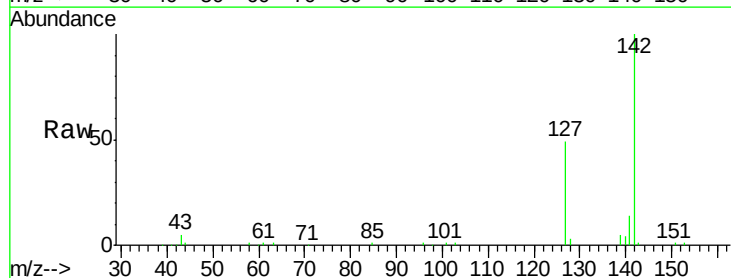


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

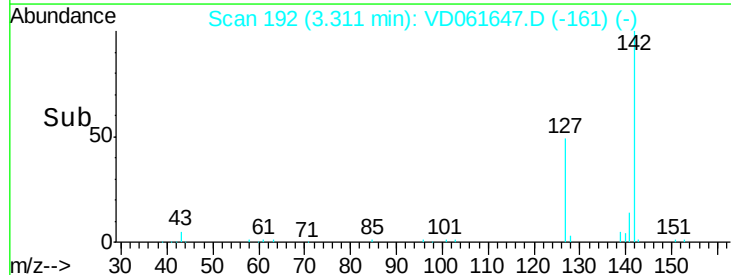
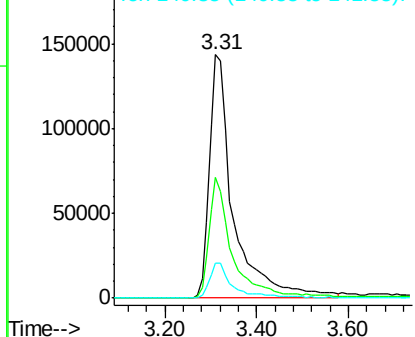


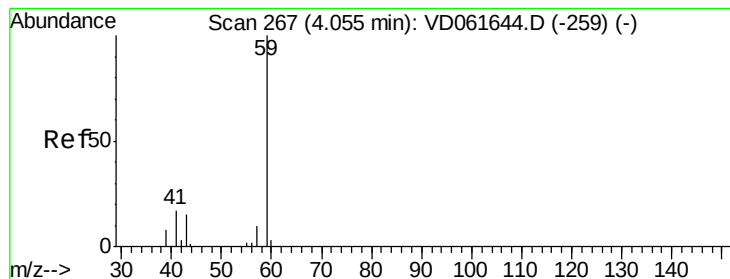
#10
 Methyl Iodide
 Concen: 44.225 ug/l
 RT: 3.31 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion:142 Resp: 514494
 Ion Ratio Lower Upper
 142 100
 127 49.4 37.2 55.8
 141 14.4 10.8 16.2



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



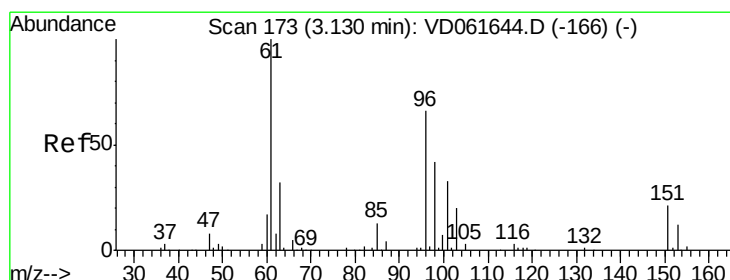
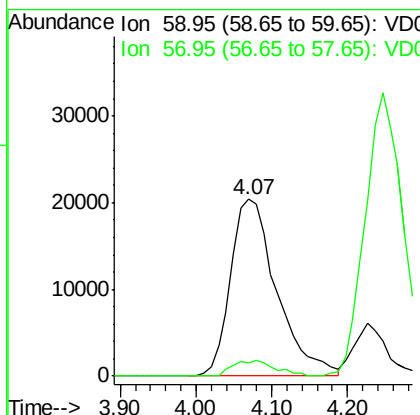
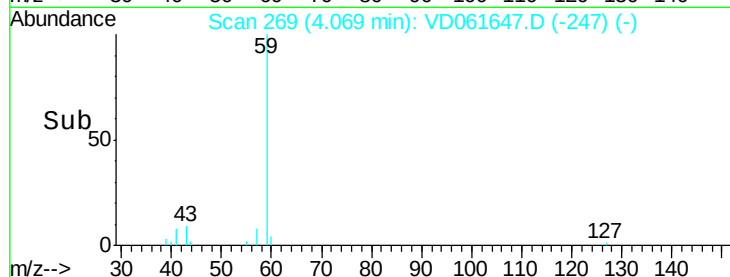
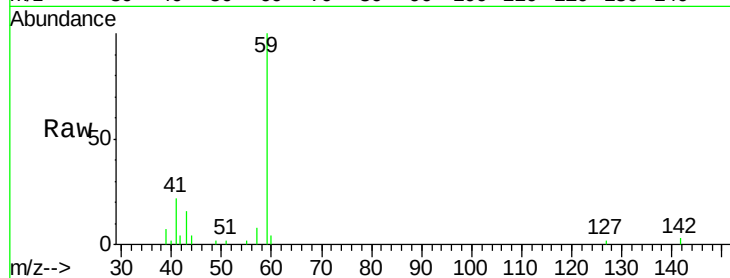


#11

Tert butyl alcohol
Concen: 260.443 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

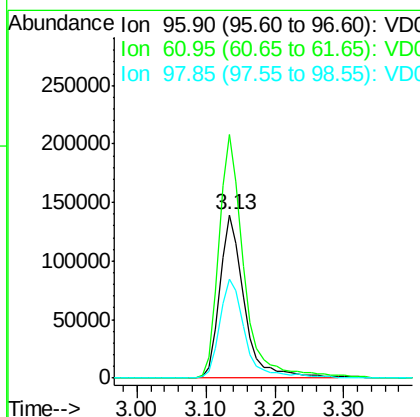
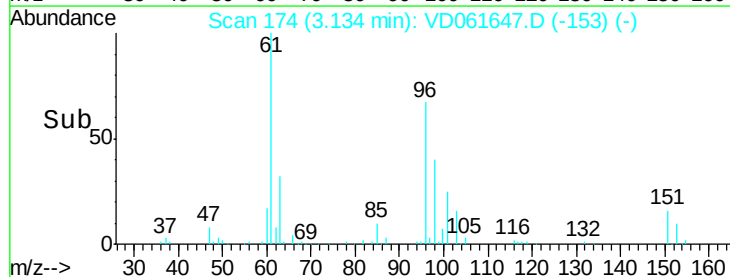
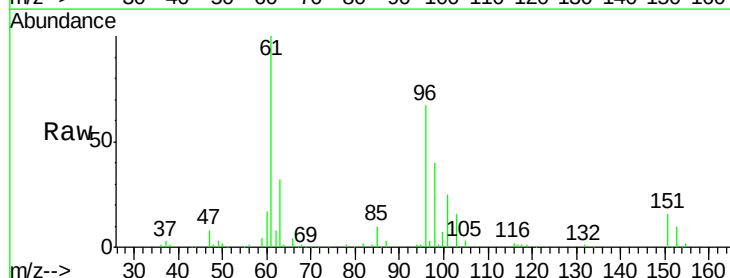
Tot Ion: 59 Resp: 86238
Ion Ratio Lower Upper
59 100
57 7.7 8.4 12.6#

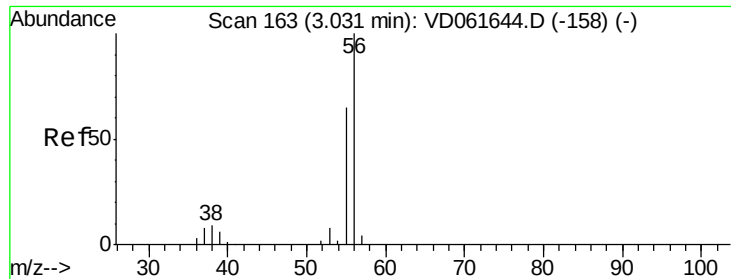


#12

1,1-Dichloroethene
Concen: 50.521 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 96 Resp: 343294
Ion Ratio Lower Upper
96 100
61 149.1 121.3 181.9
98 60.3 50.6 76.0

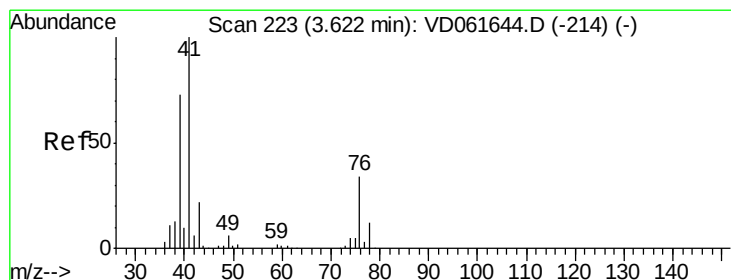
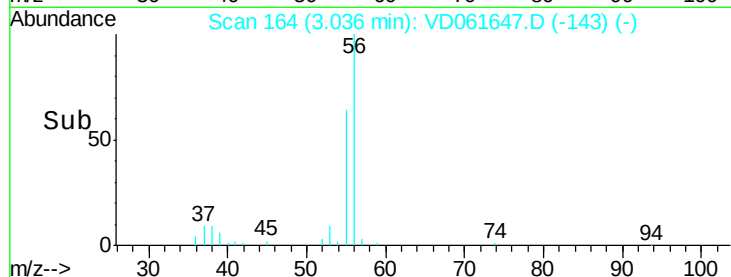
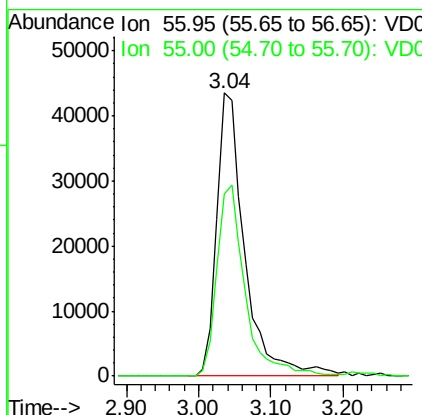
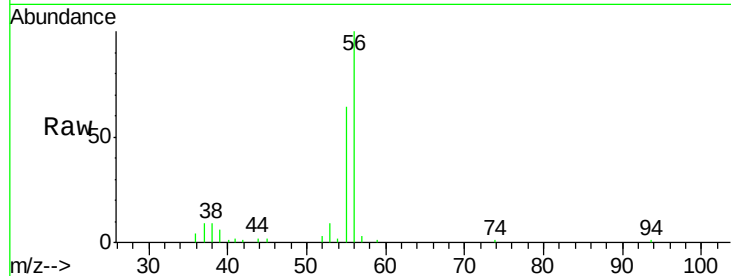




#13
Acrolein
Concen: 287.899 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

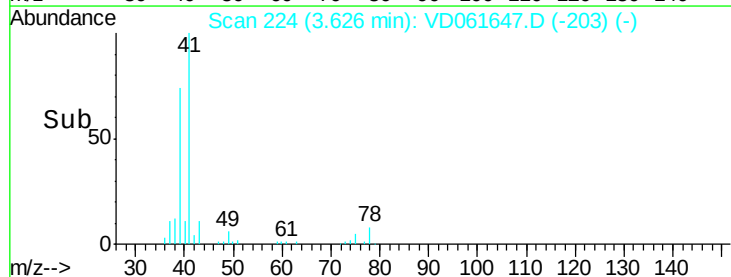
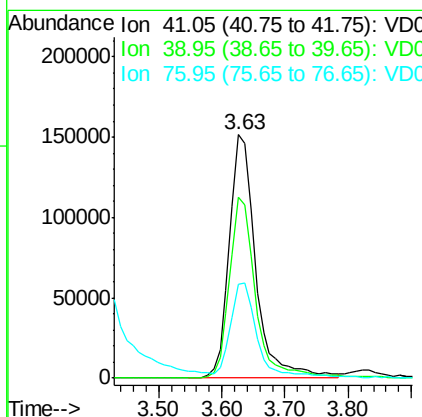
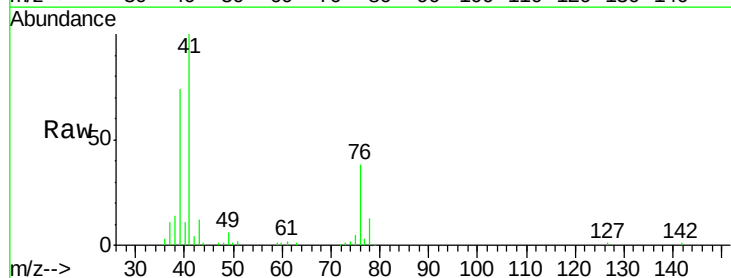
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

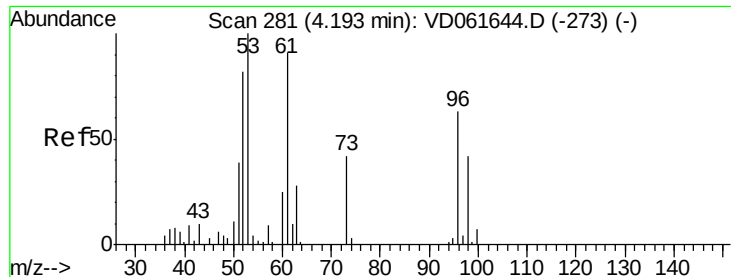
Tot Ion: 56 Resp: 116227
Ion Ratio Lower Upper
56 100
55 64.2 51.8 77.6



#14
Allyl chloride
Concen: 47.589 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 41 Resp: 441048
Ion Ratio Lower Upper
41 100
39 74.5 58.2 87.4
76 38.5 29.8 44.6





#15

Acrylonitrile

Concen: 242.989 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

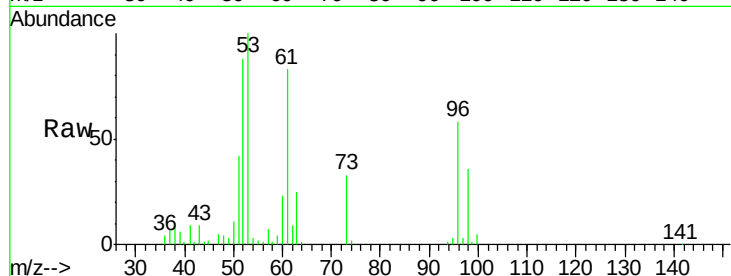
Tot Ion: 53 Resp: 276966

Ion Ratio Lower Upper

53 100

52 87.7 65.9 98.9

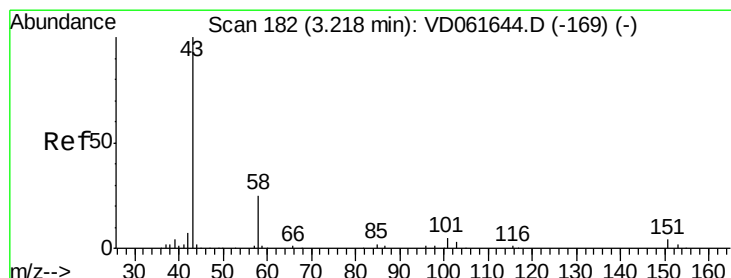
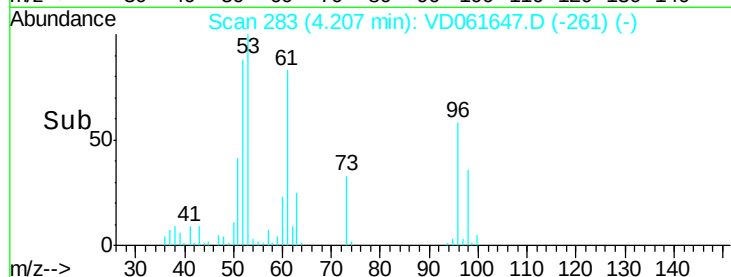
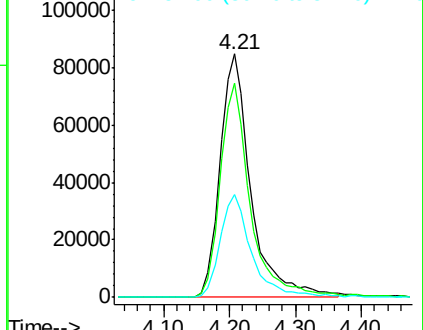
51 42.1 31.4 47.2



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: 263.044 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061647.D

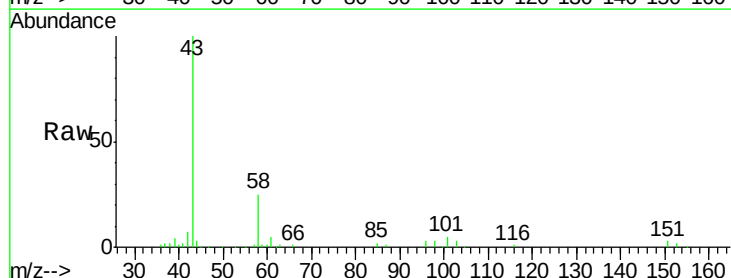
Acq: 8 Apr 2019 13:04

Tgt Ion: 43 Resp: 388501

Ion Ratio Lower Upper

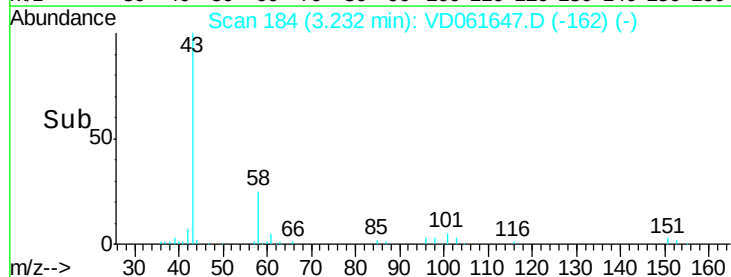
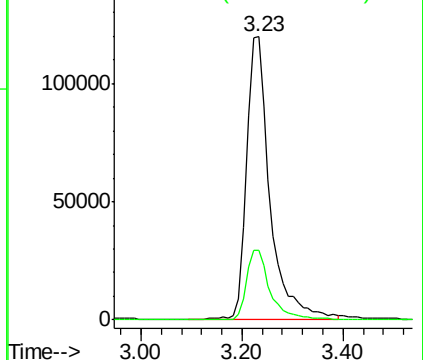
43 100

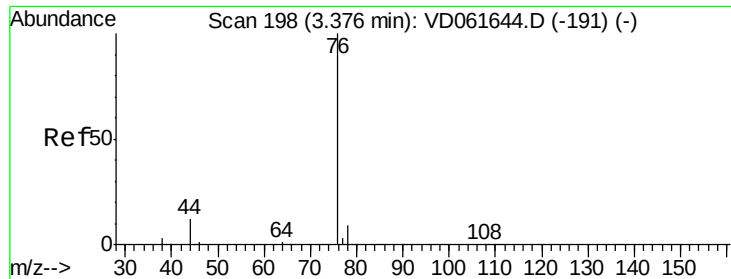
58 24.6 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 46.233 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

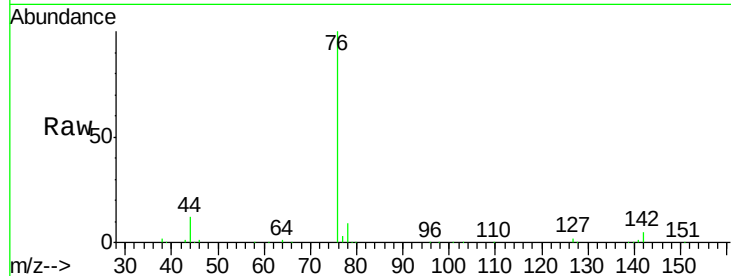
VSTDCCC050

Tot Ion: 76 Resp: 1020802

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

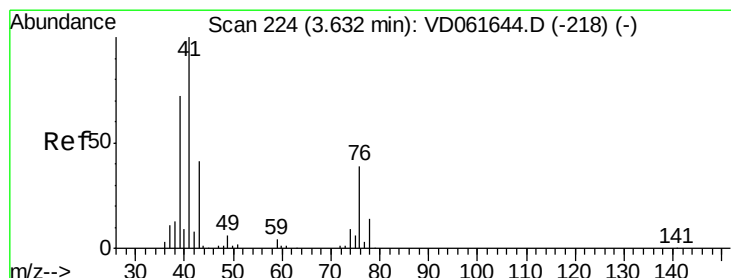
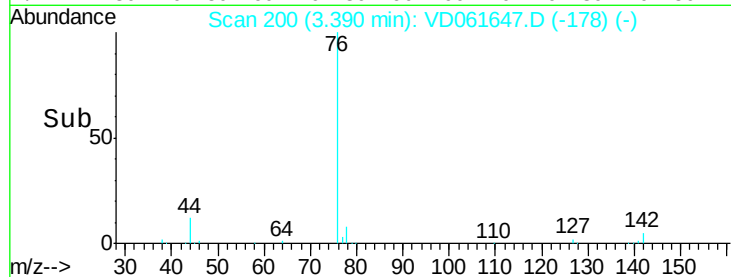
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 48.122 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061647.D

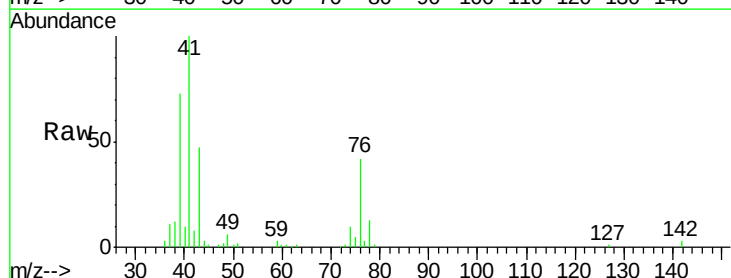
Acq: 8 Apr 2019 13:04

Tgt Ion: 43 Resp: 133721

Ion Ratio Lower Upper

43 100

74 21.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

50000

40000

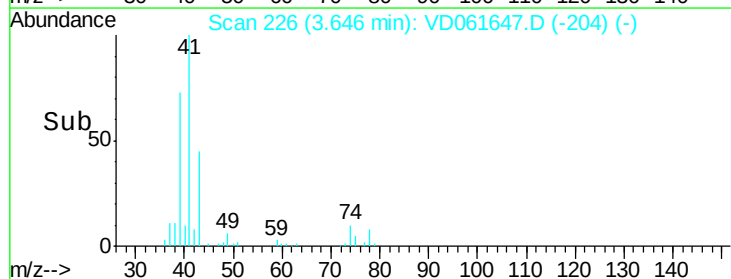
30000

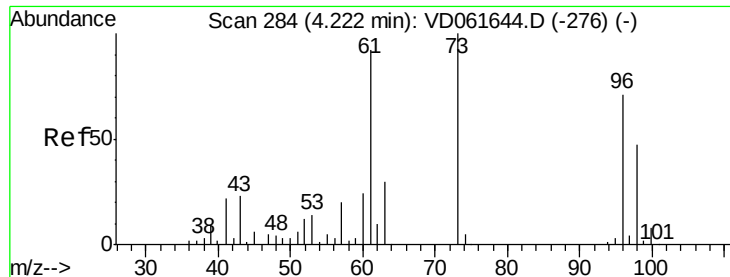
20000

10000

0

Time-->

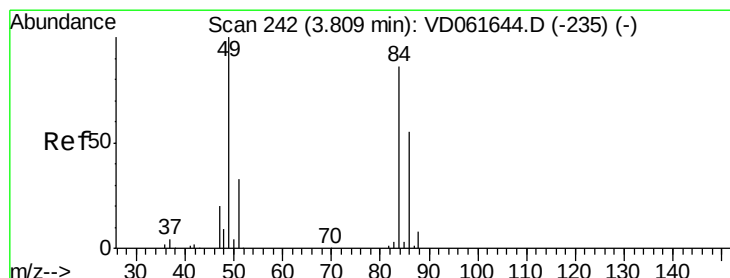
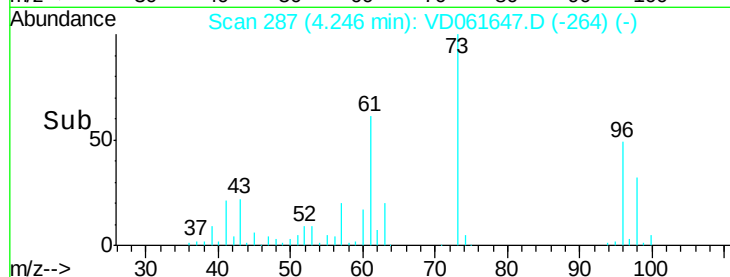
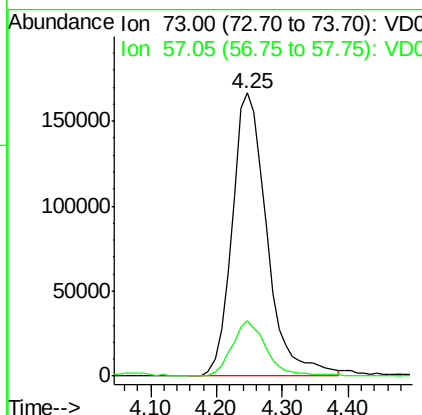
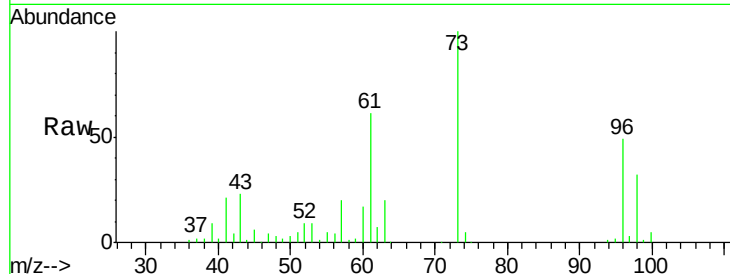




#19
Methyl tert-butyl Ether
Concen: 52.454 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

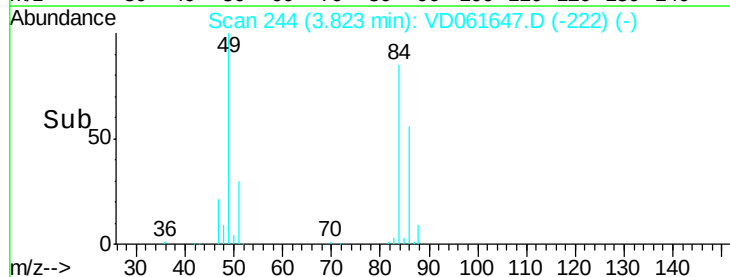
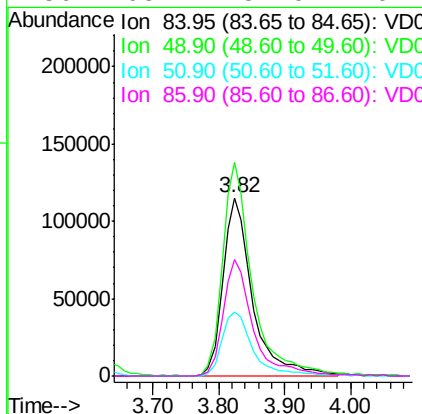
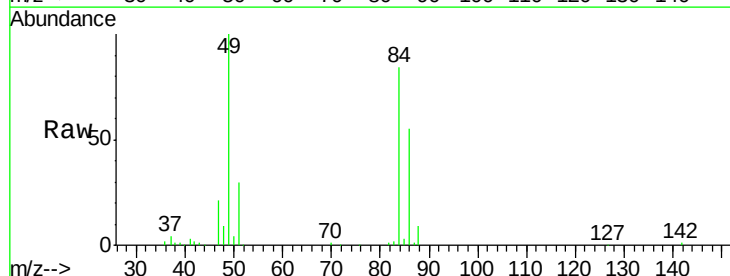
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

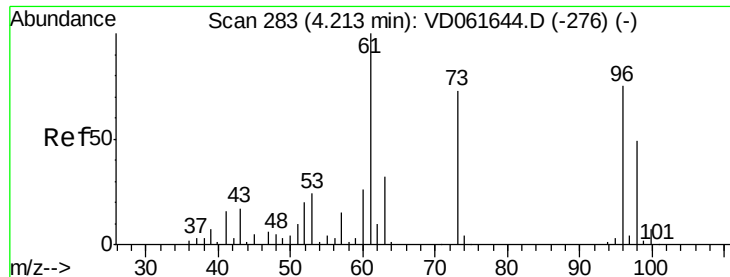
Tot Ion: 73 Resp: 617157
Ion Ratio Lower Upper
73 100
57 19.6 16.0 24.0



#20
Methylene Chloride
Concen: 43.137 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 84 Resp: 361527
Ion Ratio Lower Upper
84 100
49 119.7 93.0 139.4
51 36.1 30.4 45.6
86 65.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.223 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

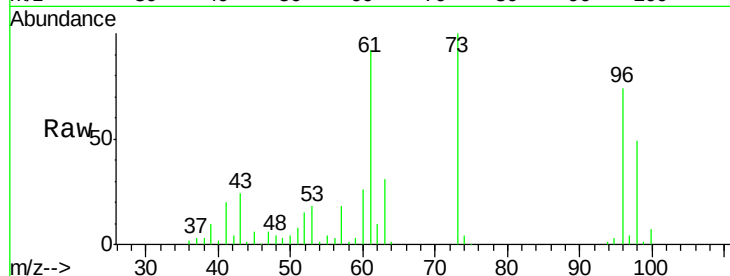
Tot Ion: 96 Resp: 363271

Ion Ratio Lower Upper

96 100

61 124.3 106.8 160.2

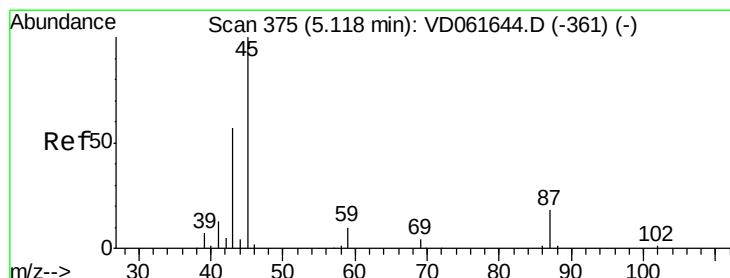
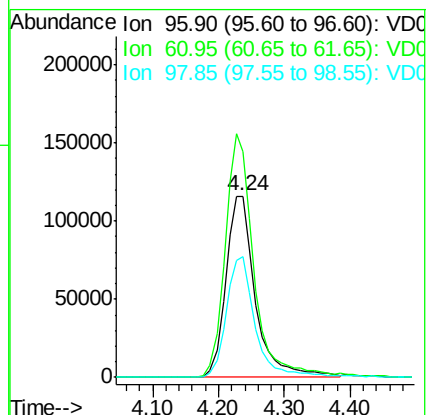
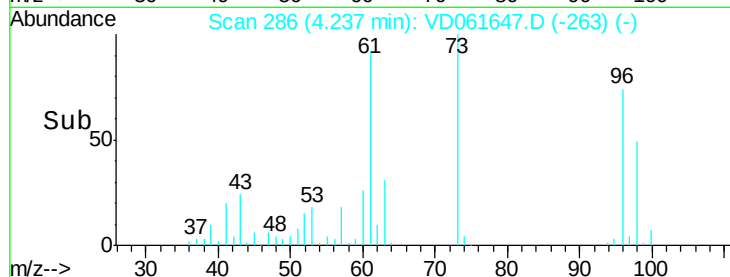
98 66.6 52.2 78.2



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



#22

Diisopropyl ether

Concen: 50.042 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Tgt Ion: 45 Resp: 972374

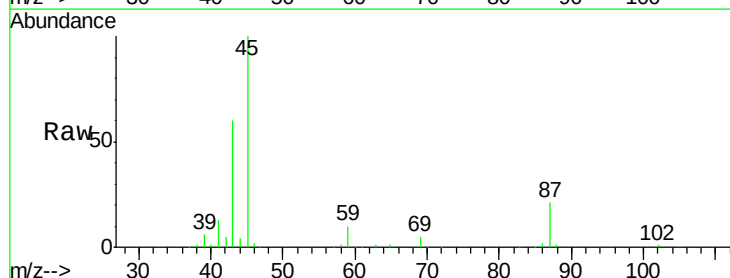
Ion Ratio Lower Upper

45 100

43 60.3 46.6 70.0

87 20.8 15.6 23.4

59 10.4 8.6 13.0

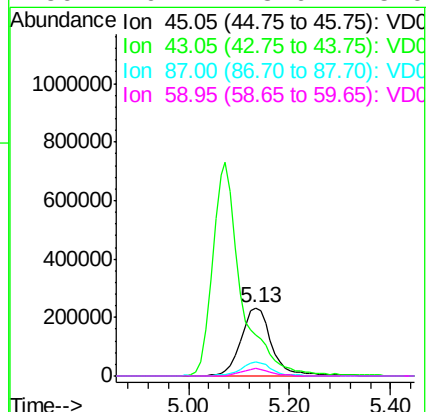
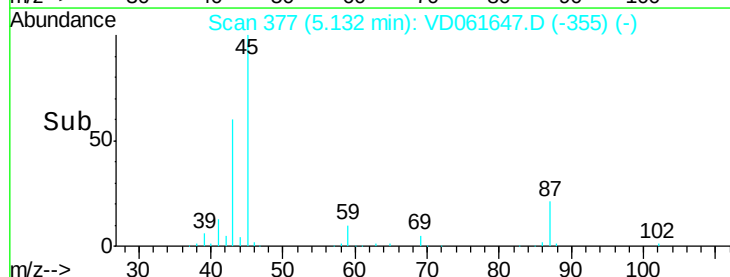


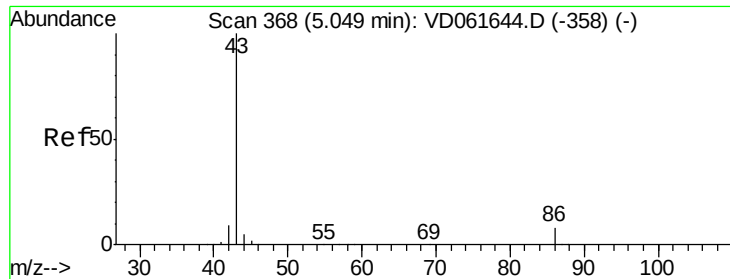
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.643 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

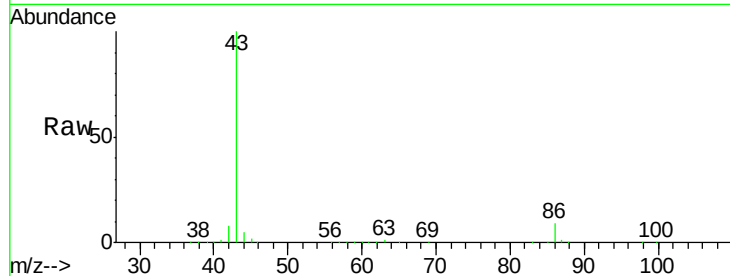
VSTDCCC050

Tot Ion: 43 Resp: 2858878

Ion Ratio Lower Upper

43 100

86 8.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

800000

600000

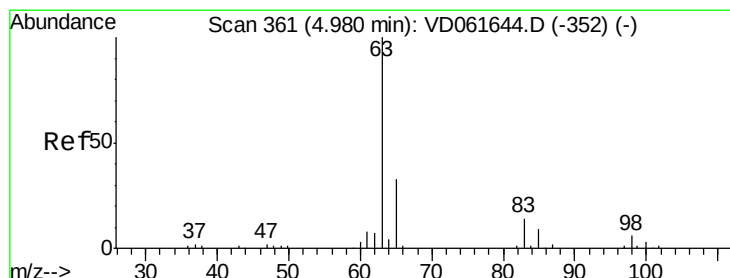
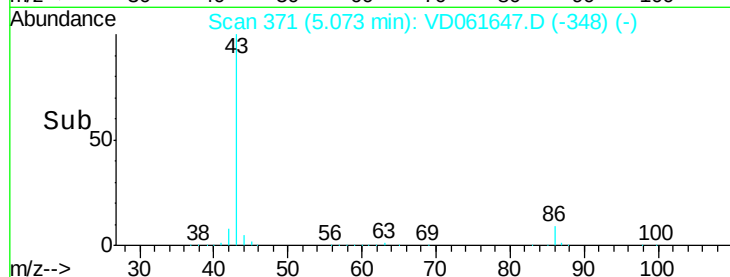
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 47.601 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

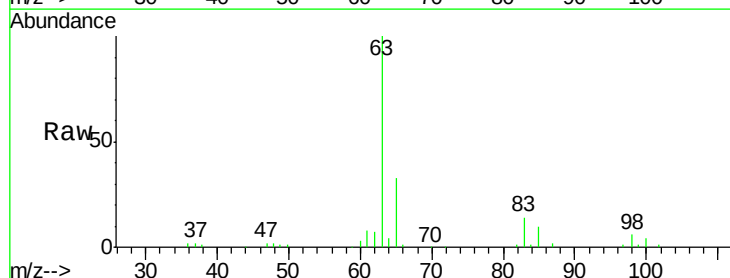
Tgt Ion: 63 Resp: 566795

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

150000

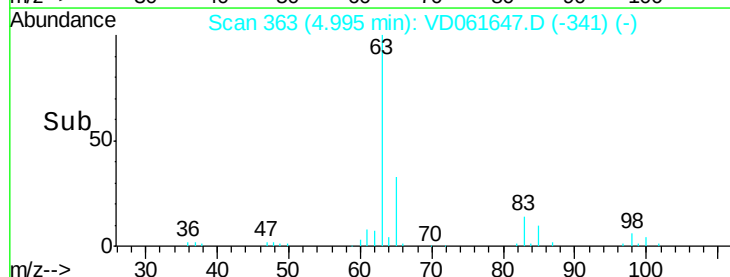
100000

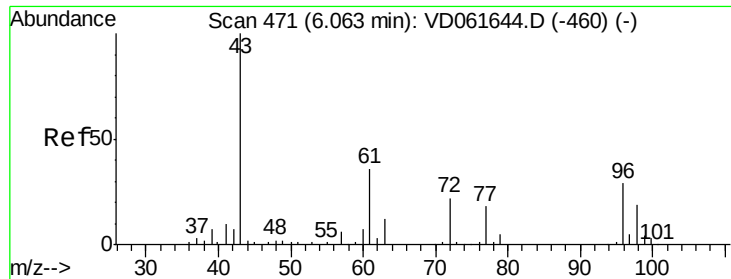
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 241.575 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

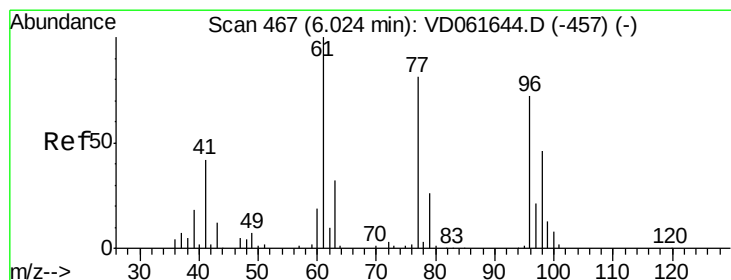
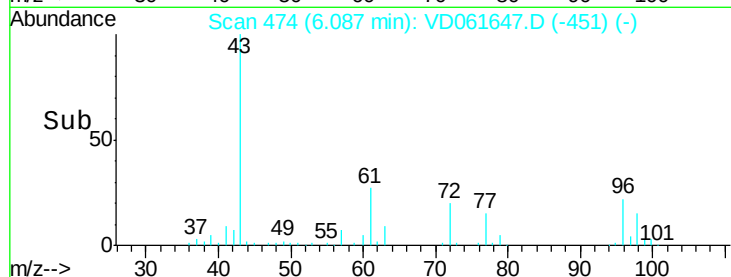
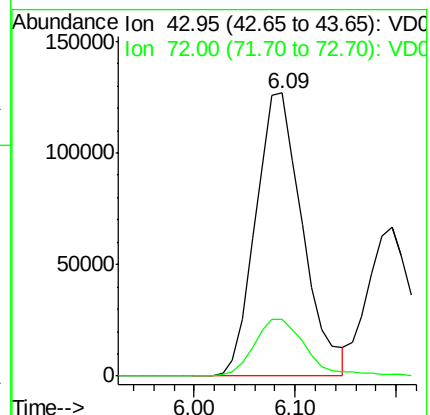
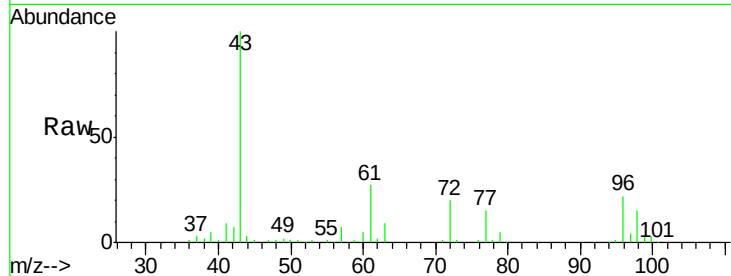
VSTDCCC050

Tot Ion: 43 Resp: 411322

Ion Ratio Lower Upper

43 100

72 20.3 17.4 26.2



#26

2,2-Dichloropropane

Concen: 48.368 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061647.D

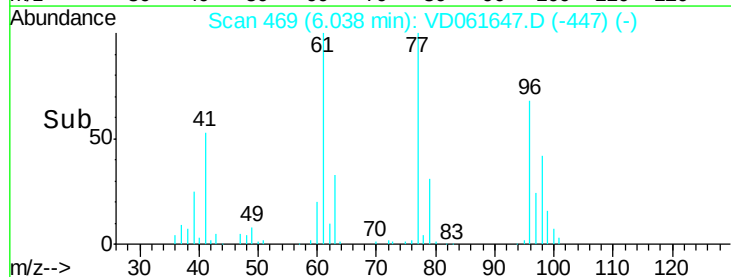
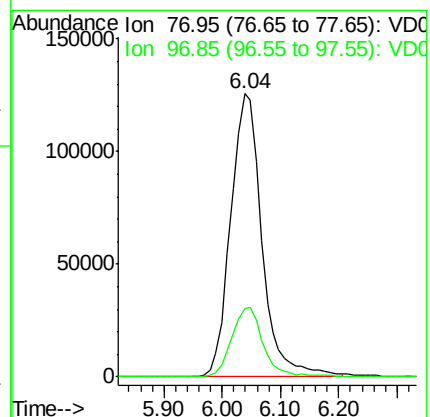
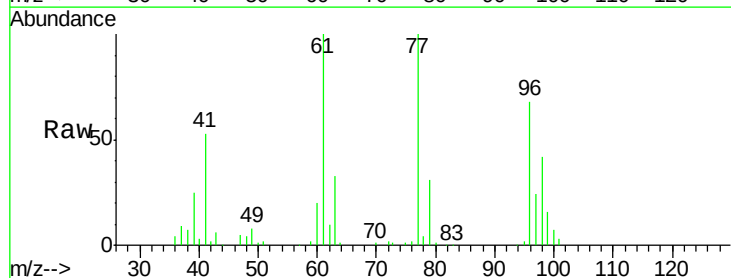
Acq: 8 Apr 2019 13:04

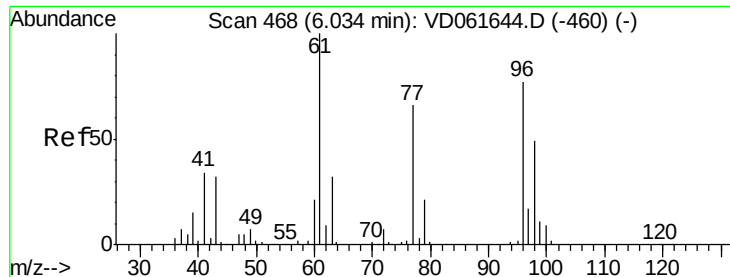
Tgt Ion: 77 Resp: 468953

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.0



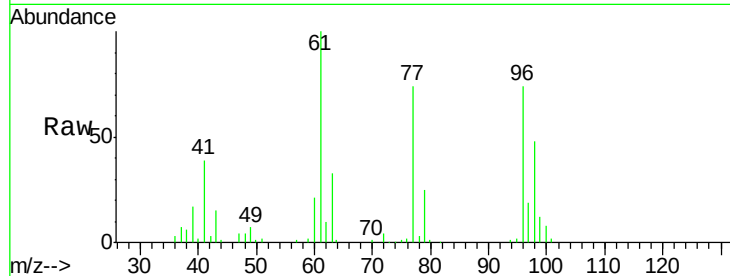


#27

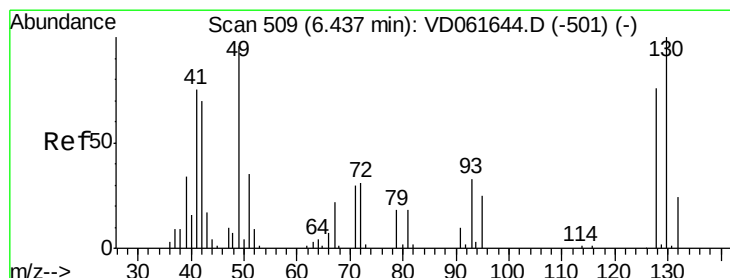
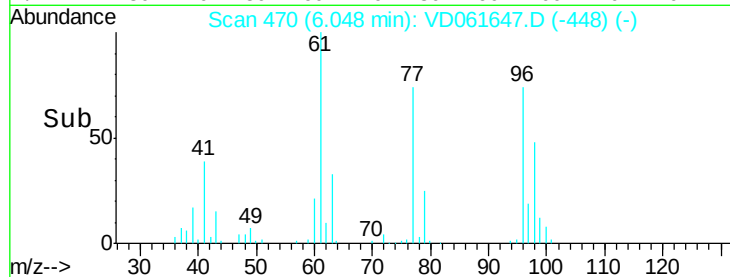
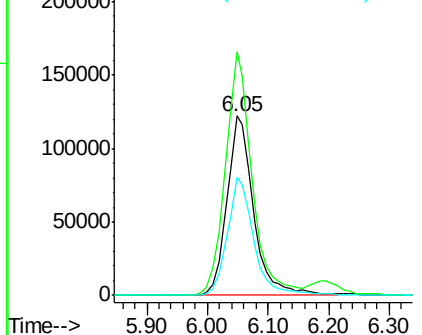
cis-1,2-Dichloroethene
Concen: 47.111 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 370920
Ion Ratio Lower Upper
96 100
61 136.0 0.0 259.8
98 65.7 0.0 127.6



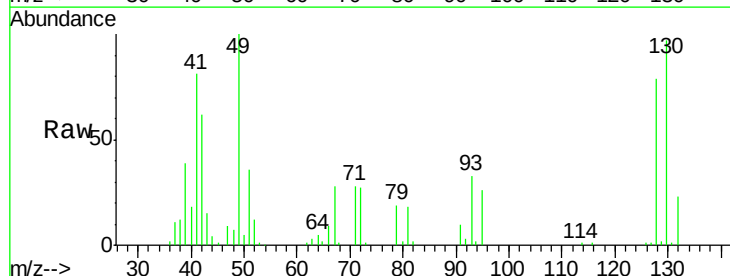
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



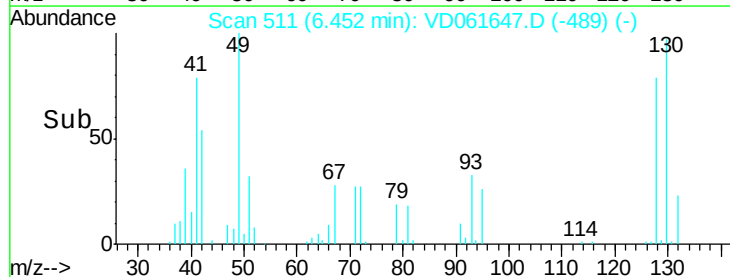
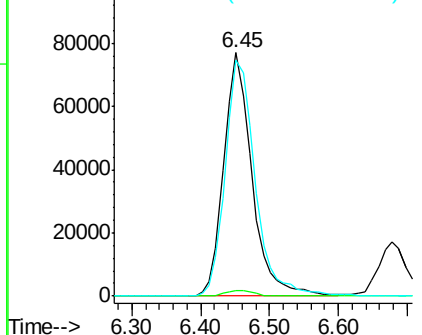
#28

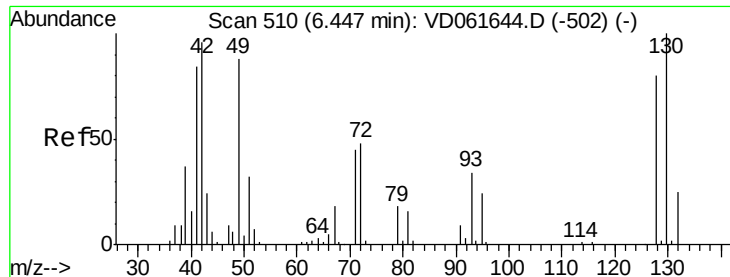
Bromochloromethane
Concen: 49.989 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 49 Resp: 219572
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 97.0 83.3 124.9



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

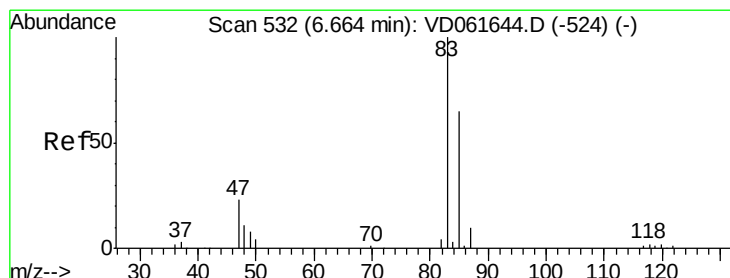
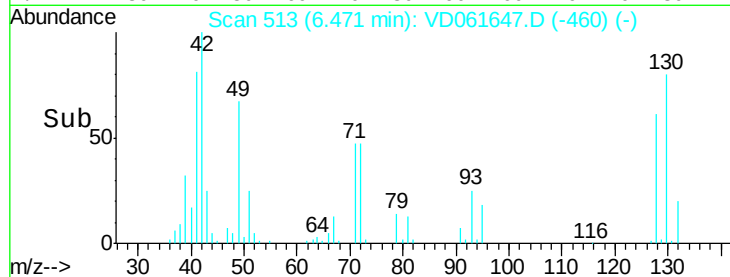
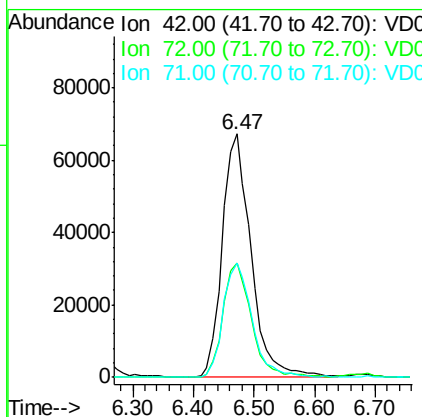
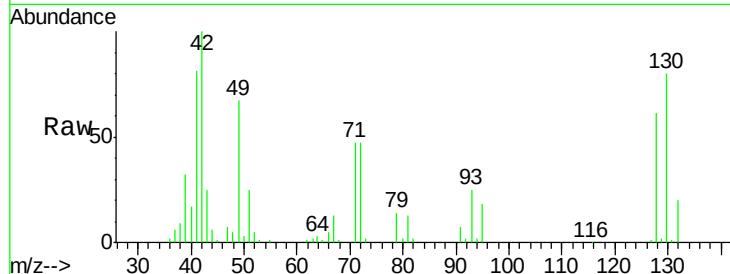




#29
Tetrahydrofuran
Concen: 270.545 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

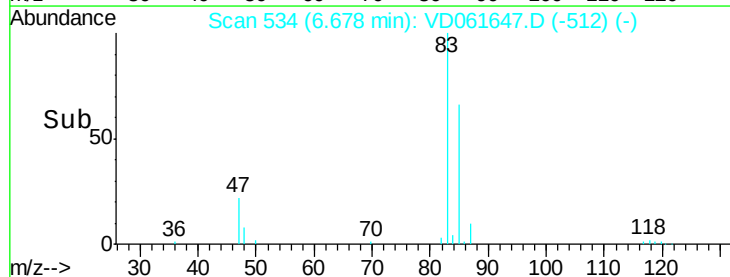
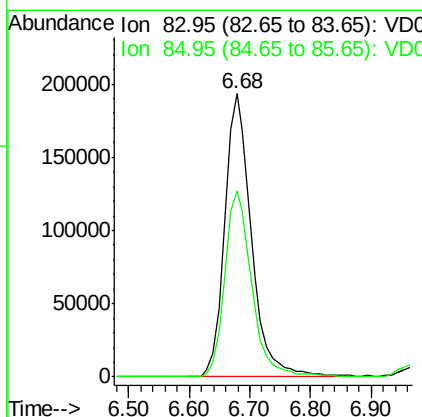
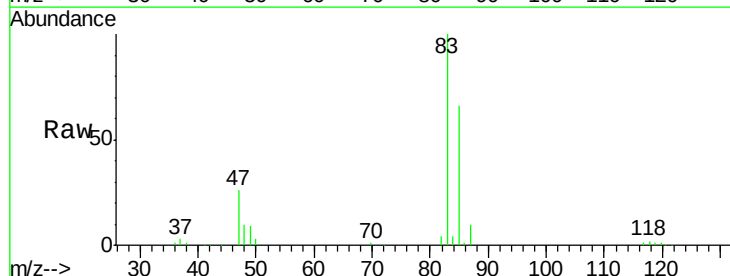
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

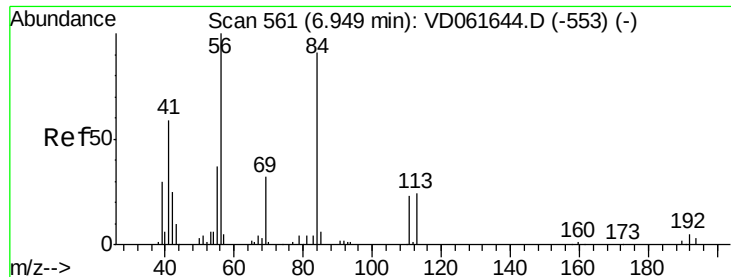
Tot Ion: 42 Resp: 222371
Ion Ratio Lower Upper
42 100
72 46.5 37.0 55.6
71 46.7 36.5 54.7



#30
Chloroform
Concen: 47.292 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 83 Resp: 589913
Ion Ratio Lower Upper
83 100
85 65.7 51.9 77.9

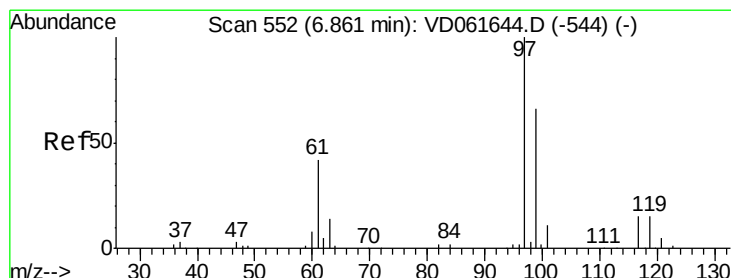
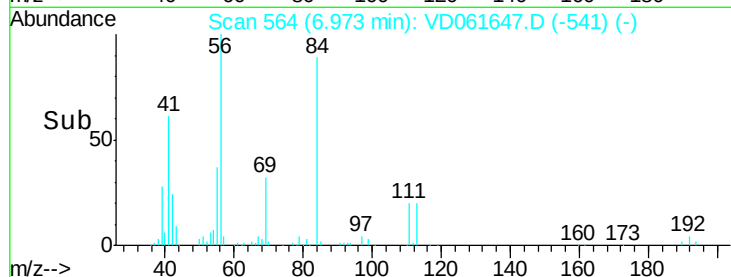
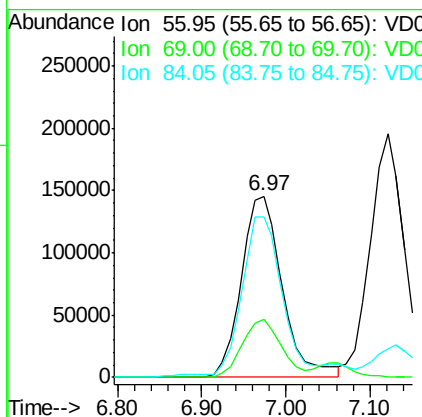
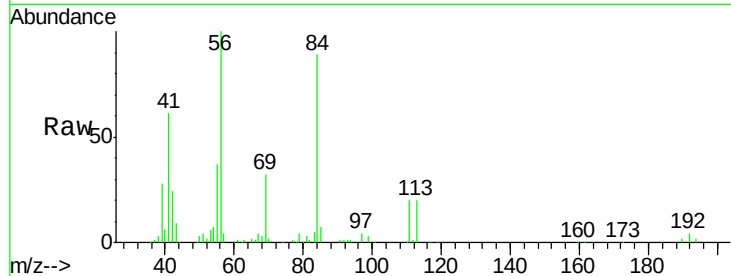




#31
Cyclohexane
Concen: 53.216 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

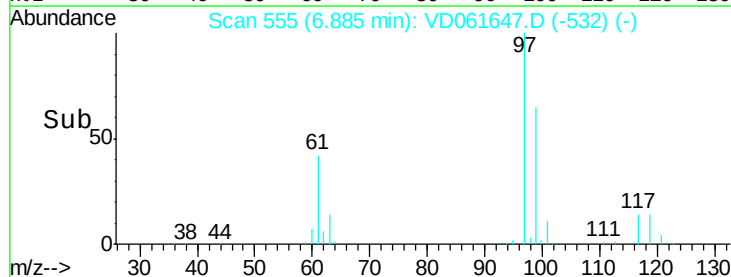
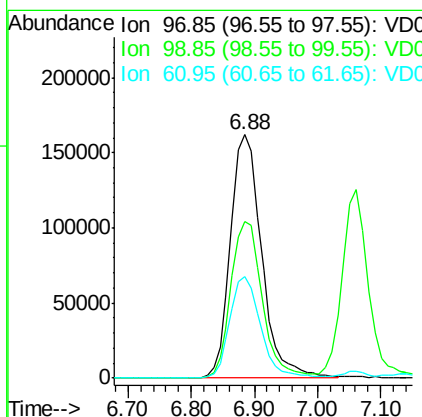
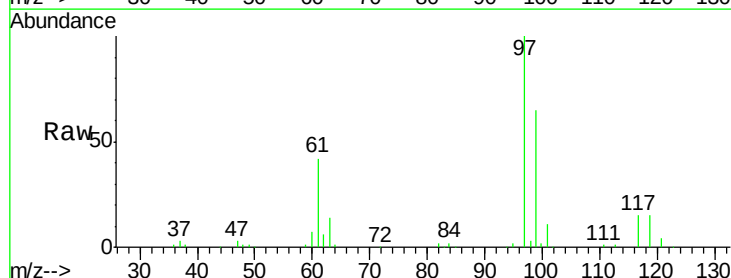
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

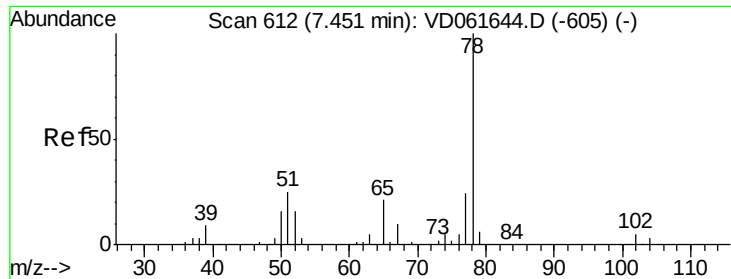
Tot Ion: 56 Resp: 495027
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.6
84 88.9 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 50.783 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 97 Resp: 555116
Ion Ratio Lower Upper
97 100
99 64.5 52.5 78.7
61 41.9 33.4 50.0

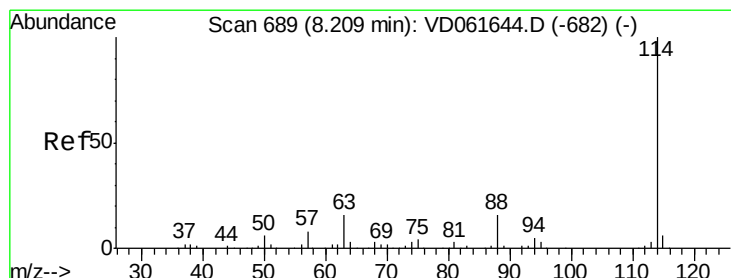
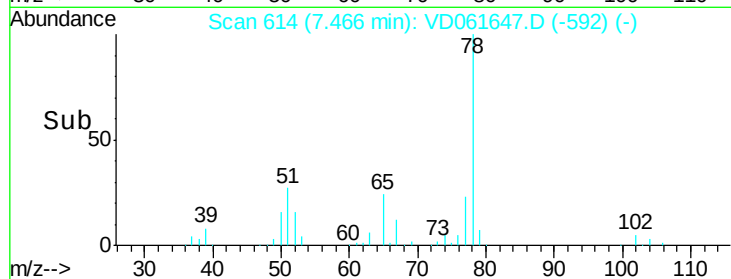
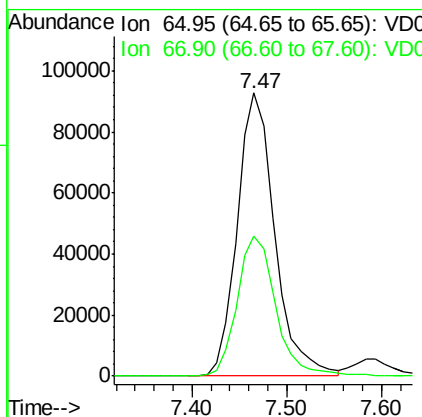
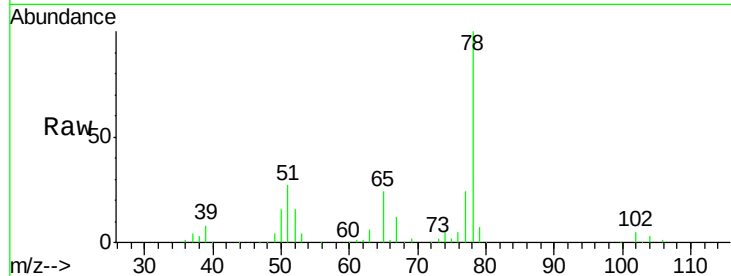




#33
 1,2-Dichloroethane-d4
 Concen: 50.783 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

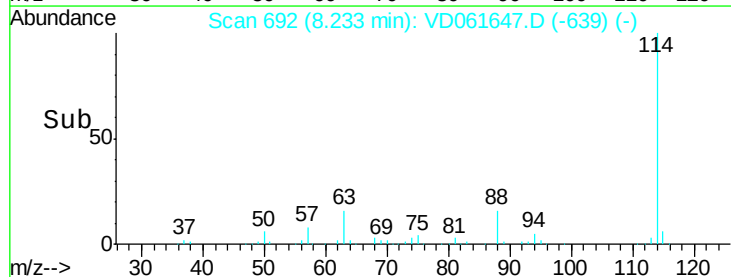
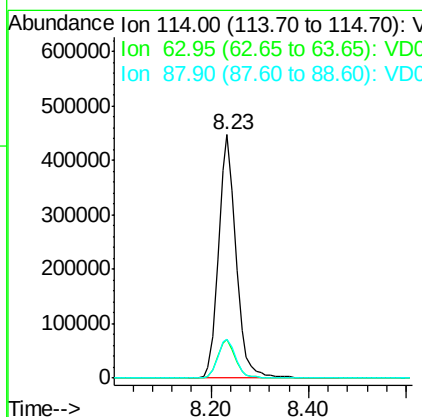
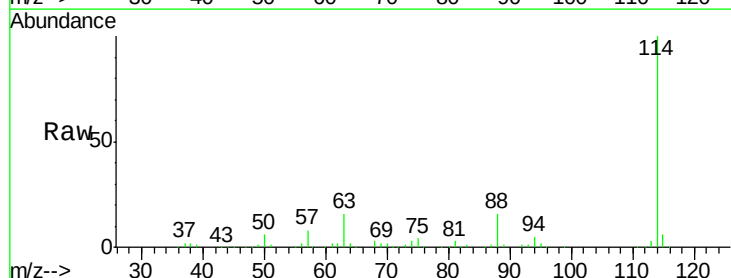
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

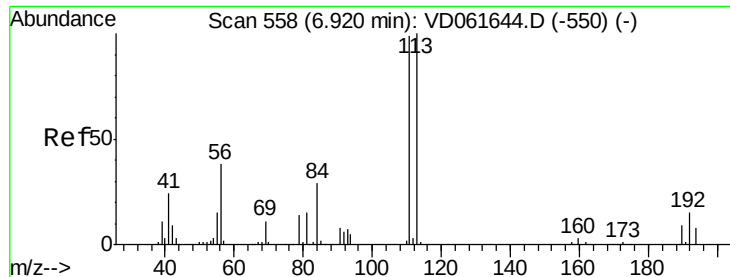
Tot Ion: 65 Resp: 254909
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 114 Resp: 1120420
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.2
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

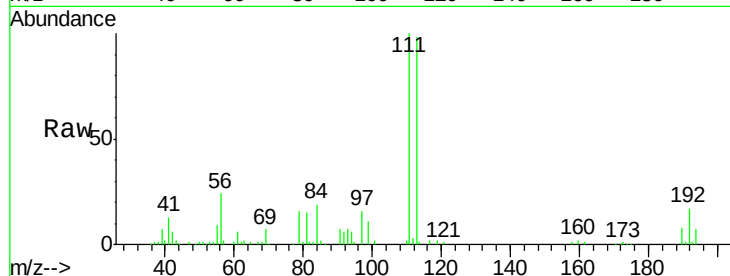
Tot Ion:113 Resp: 395783

Ion Ratio Lower Upper

113 100

111 101.8 79.3 118.9

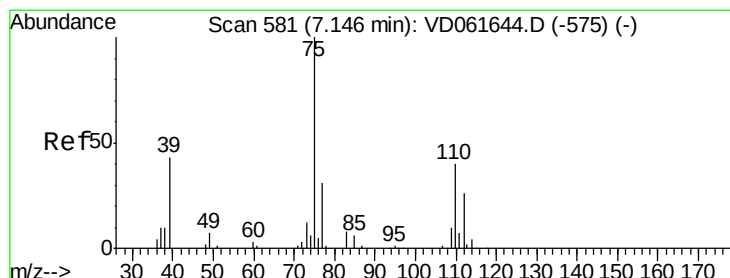
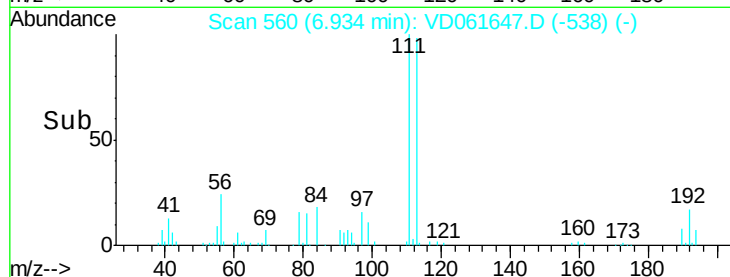
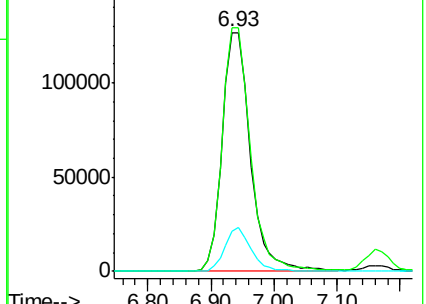
192 16.9 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.680 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

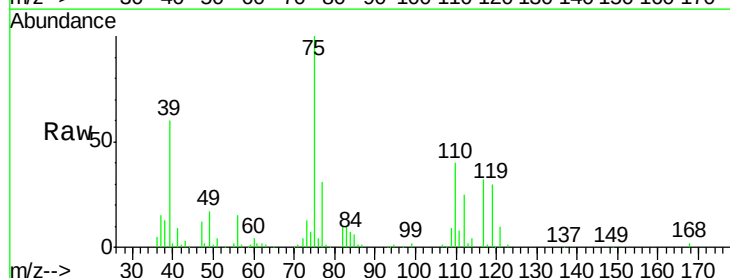
Tgt Ion: 75 Resp: 447923

Ion Ratio Lower Upper

75 100

110 39.6 19.7 59.0

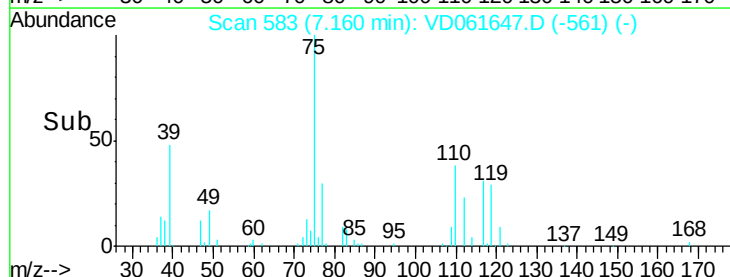
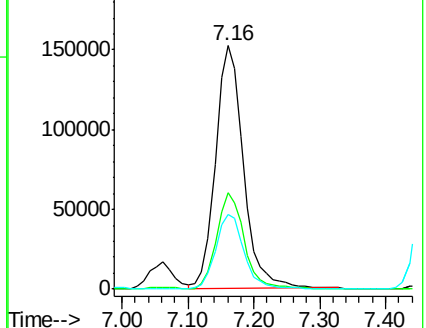
77 30.8 24.8 37.2

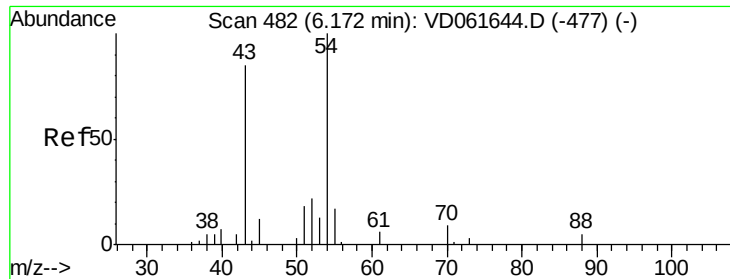


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

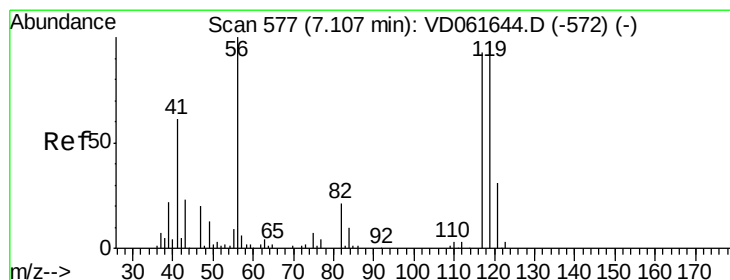
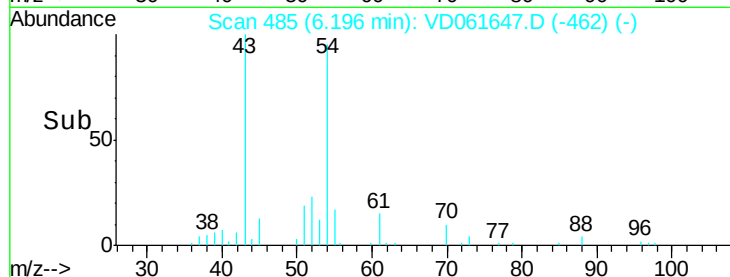
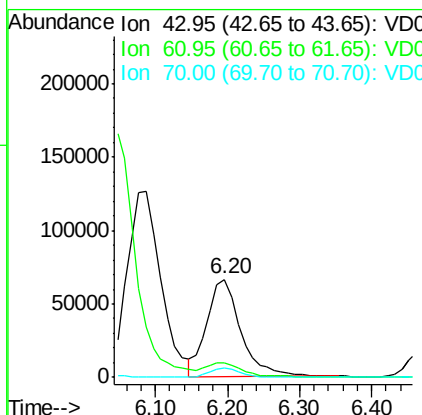
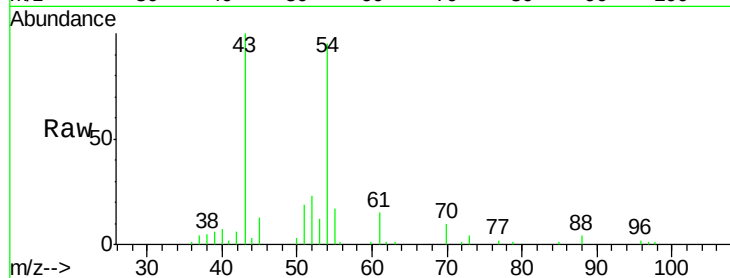




#37
Ethyl Acetate
Concen: 54.424 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

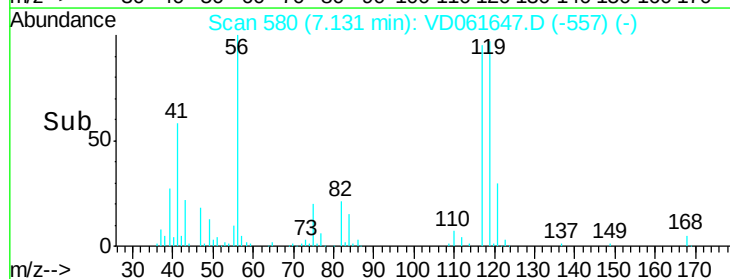
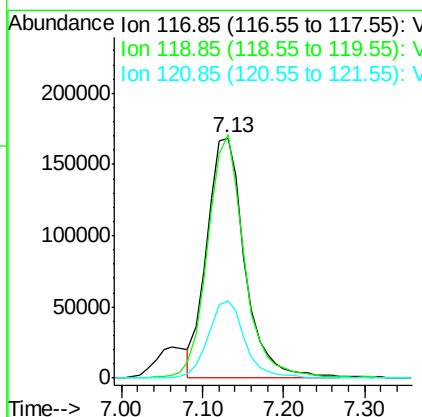
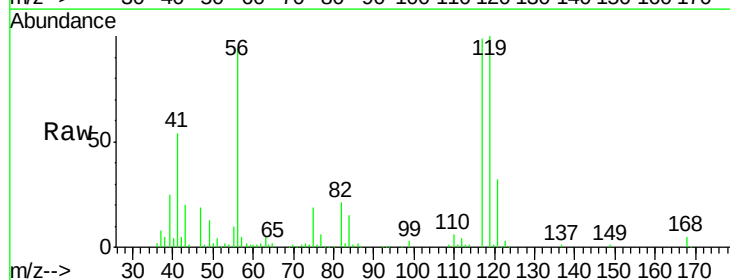
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

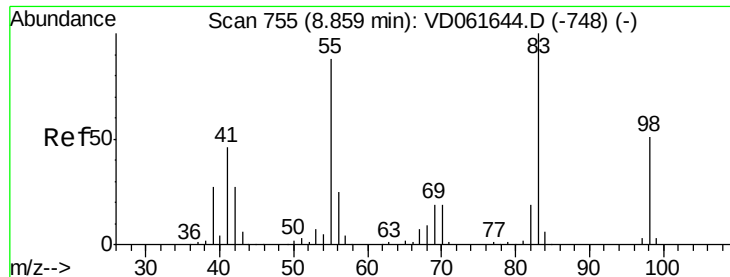
Tot Ion: 43 Resp: 217369
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 9.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 47.639 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 117 Resp: 547482
Ion Ratio Lower Upper
117 100
119 101.4 77.9 116.9
121 32.0 24.7 37.1

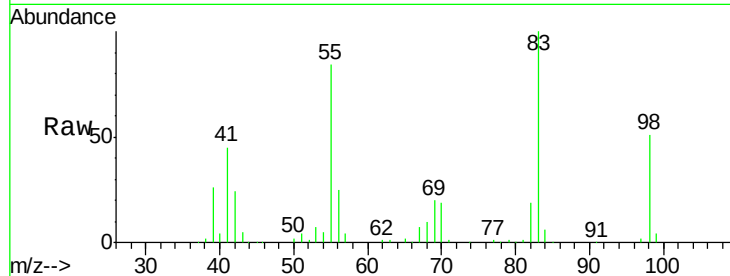




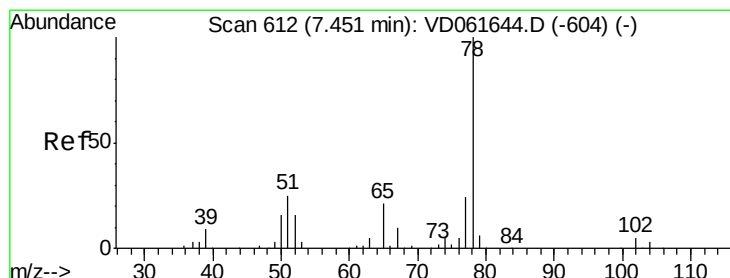
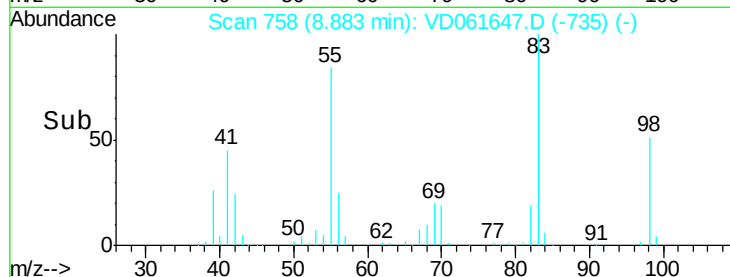
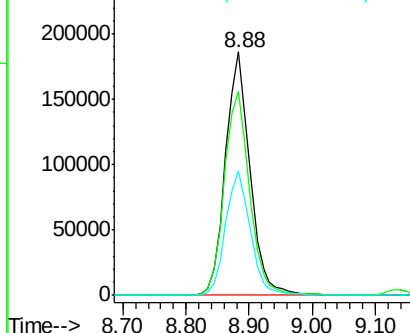
#39
Methylvlcyclohexane
Concen: 49.926 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 502607
Ion Ratio Lower Upper
83 100
55 83.9 70.3 105.5
98 51.4 41.0 61.6

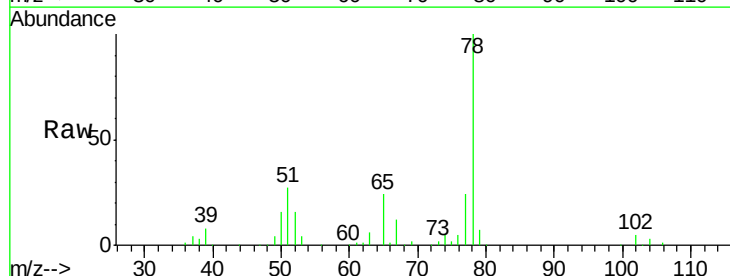


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

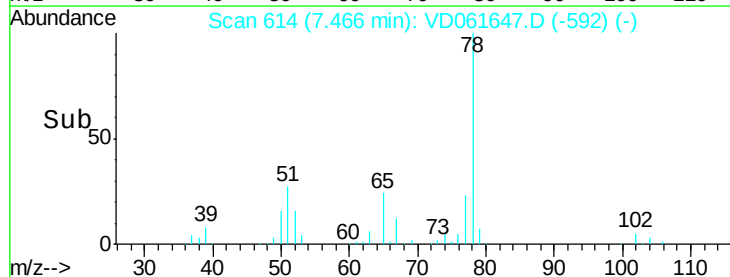
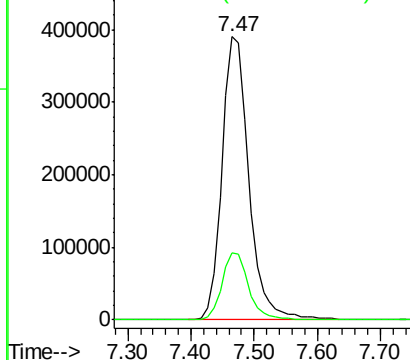


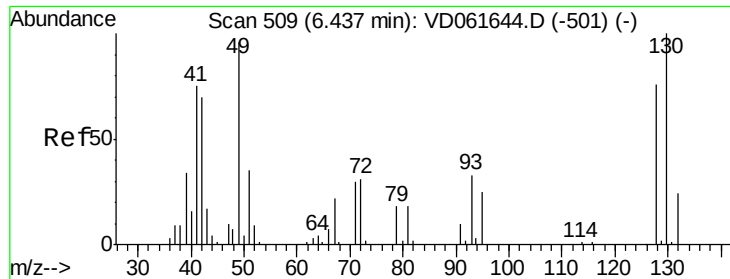
#40
Benzene
Concen: 48.814 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 78 Resp: 1154752
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3



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

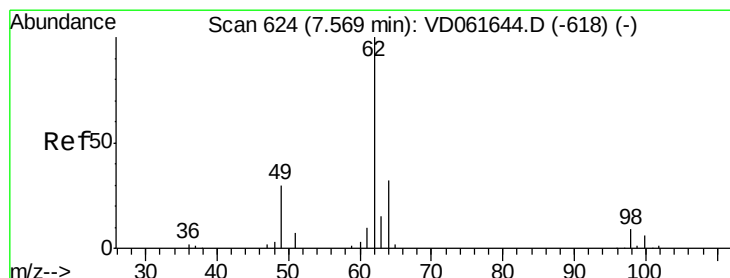
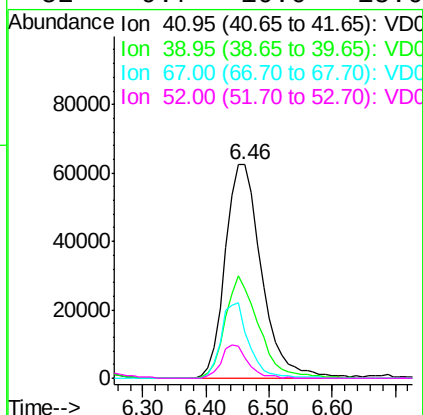
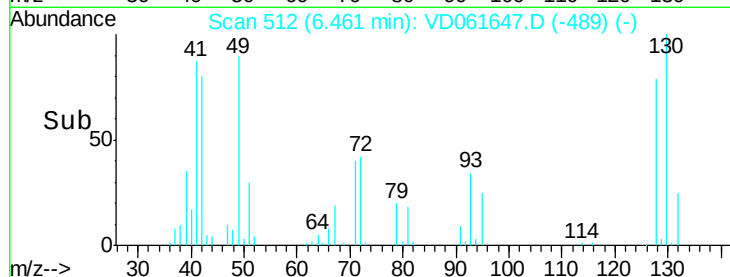
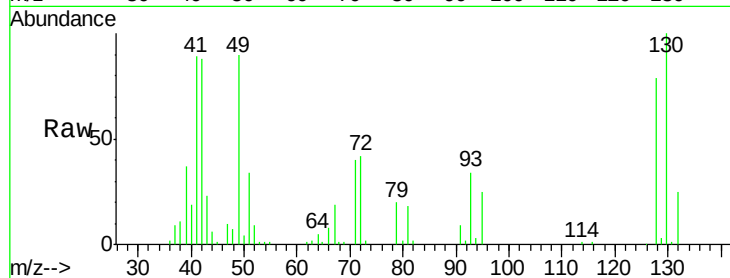




#41
Methacrylonitrile
Concen: 53.528 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

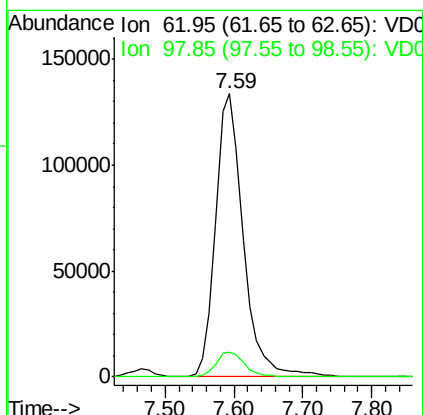
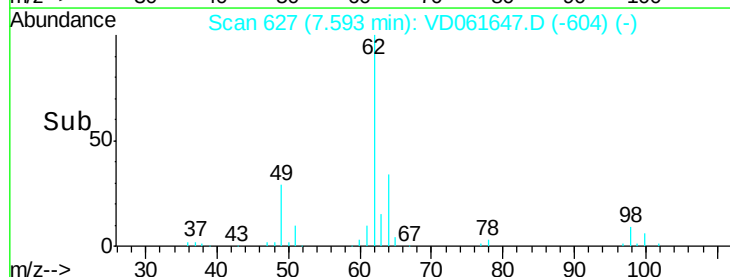
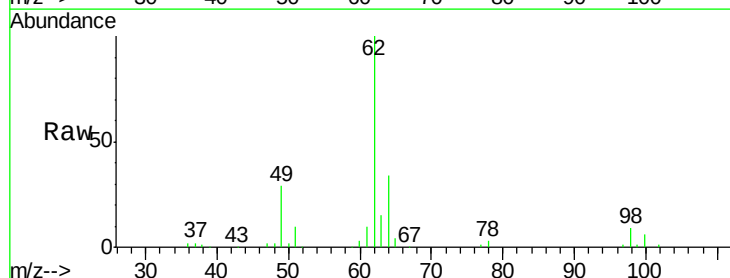
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

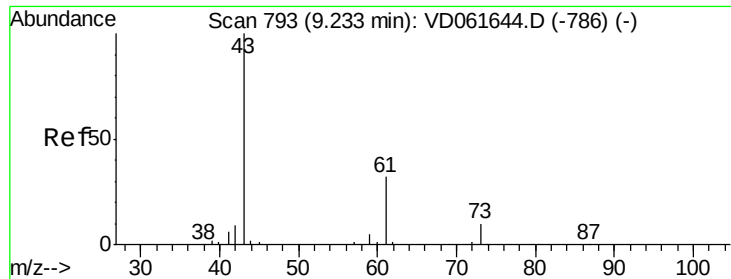
Tot Ion: 41 Resp: 249570
Ion Ratio Lower Upper
41 100
39 42.0 36.2 54.2
67 21.9 23.2 34.8#
52 9.7 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 49.979 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 62 Resp: 371829
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.8



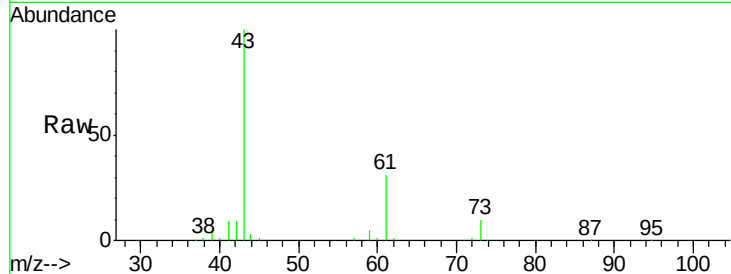


#43

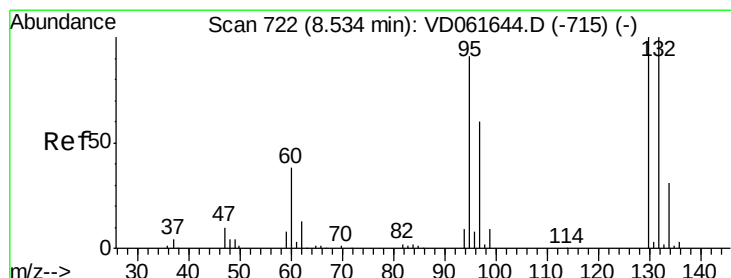
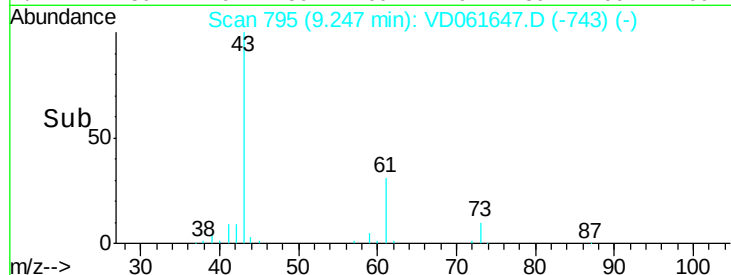
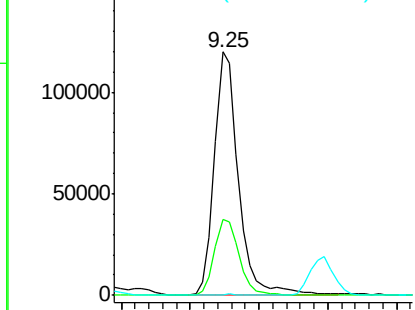
Isopropyl Acetate
 Concen: 50.496 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 292698
 Ion Ratio Lower Upper
 43 100
 61 31.1 25.9 38.9
 87 0.3 0.2 0.4



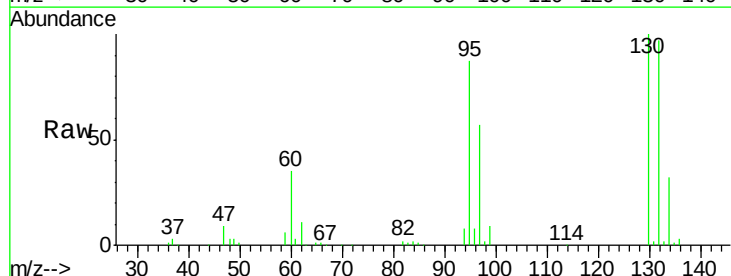
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



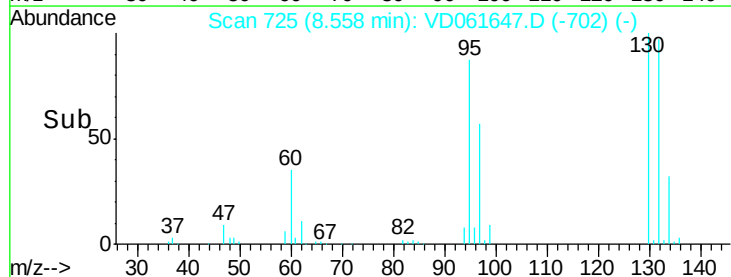
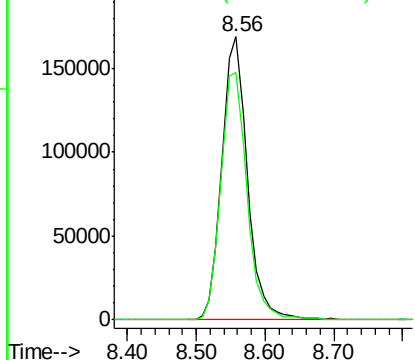
#44

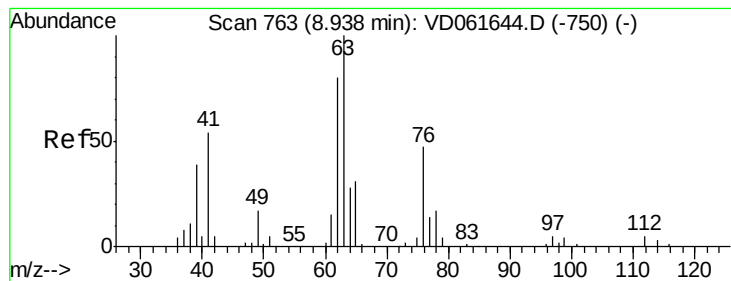
Trichloroethene
 Concen: 48.097 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion:130 Resp: 436195
 Ion Ratio Lower Upper
 130 100
 95 87.5 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 49.593 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

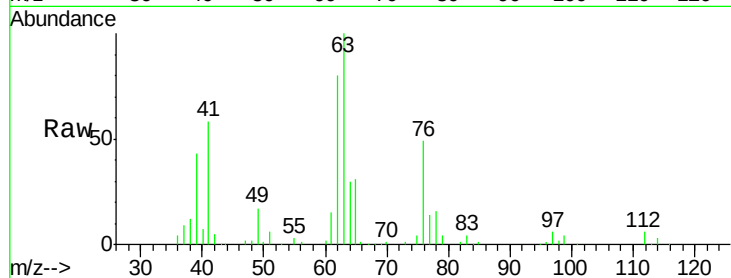
VSTDCCC050

Tot Ion: 63 Resp: 290943

Ion Ratio Lower Upper

63 100

65 30.5 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

120000

100000

80000

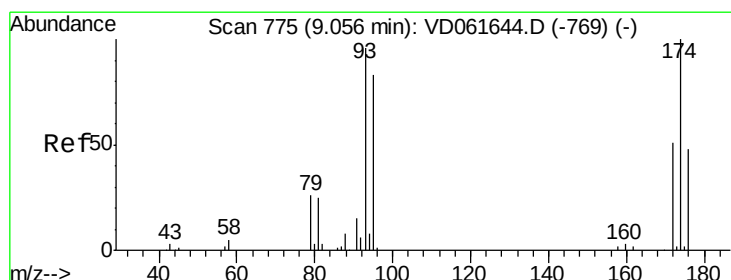
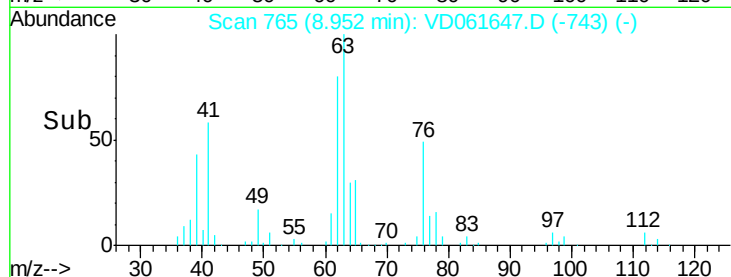
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.147 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

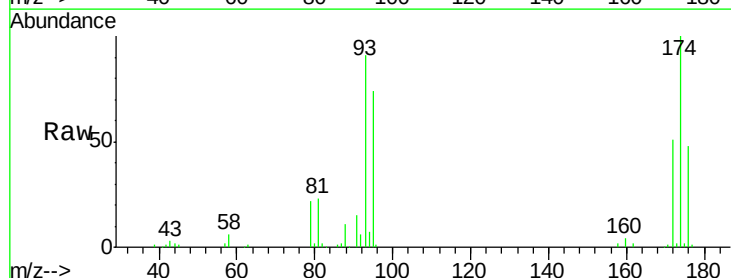
Tgt Ion: 93 Resp: 214453

Ion Ratio Lower Upper

93 100

95 80.7 68.6 103.0

174 109.3 83.0 124.4



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

9.08

120000

100000

80000

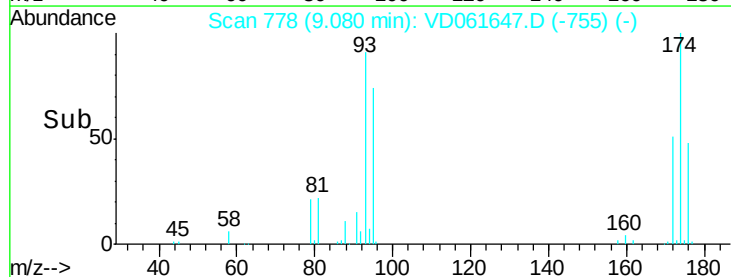
60000

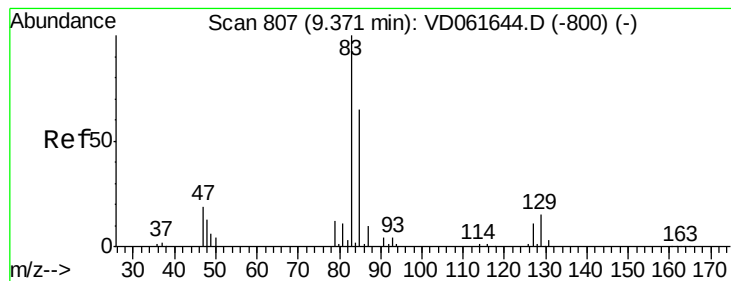
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.712 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

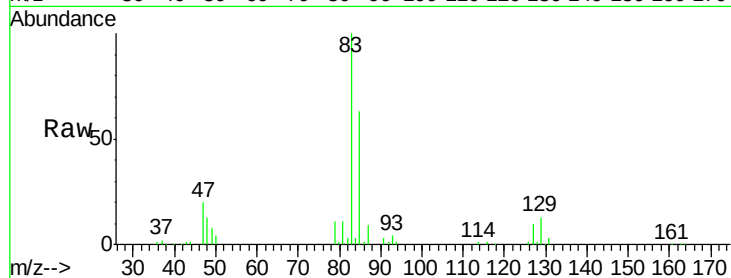
Tot Ion: 83 Resp: 466995

Ion Ratio Lower Upper

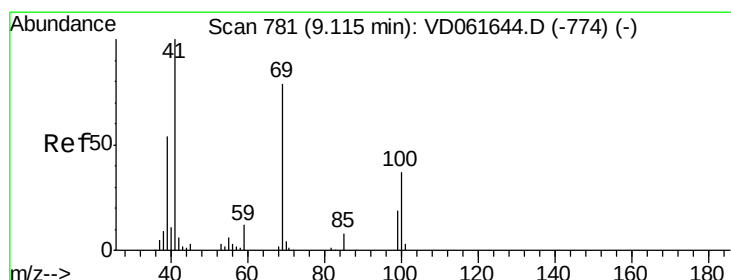
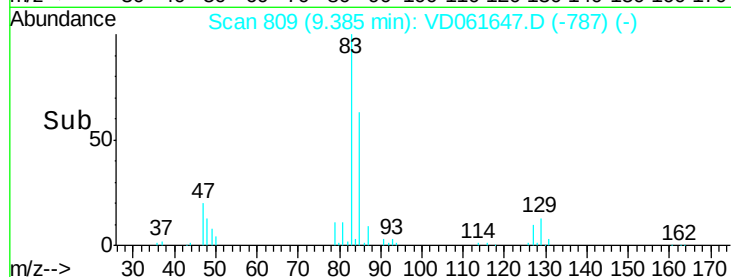
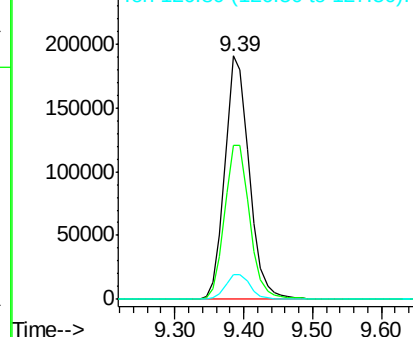
83 100

85 63.3 51.8 77.6

127 10.0 9.0 13.6



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



#48

Methyl methacrylate

Concen: 49.408 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

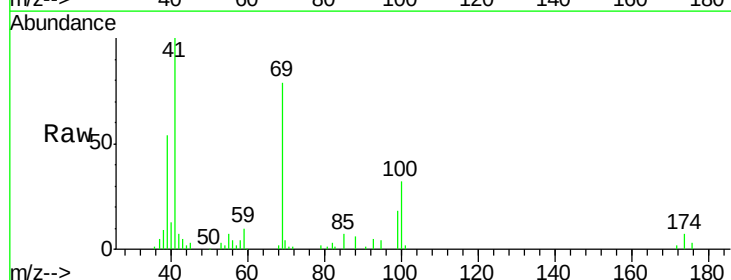
Tgt Ion: 41 Resp: 165087

Ion Ratio Lower Upper

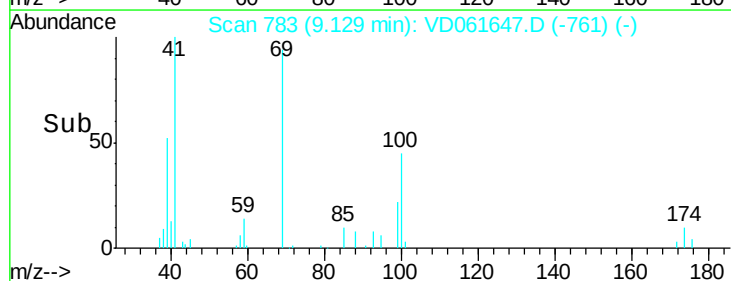
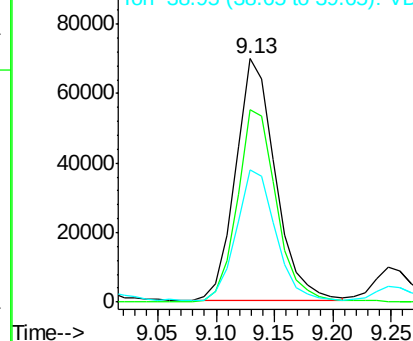
41 100

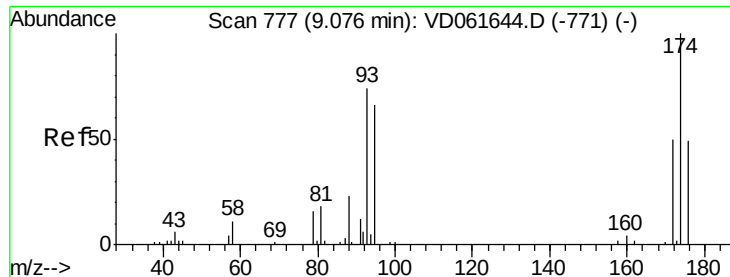
69 79.0 63.1 94.7

39 54.1 43.8 65.8



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

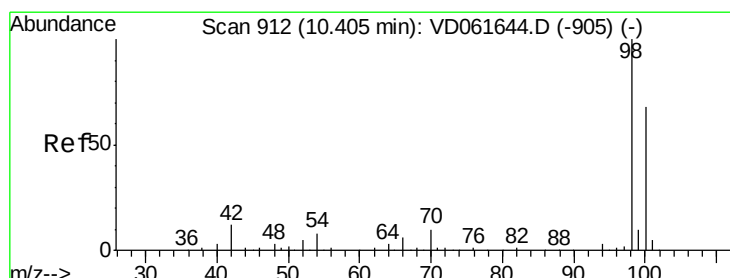
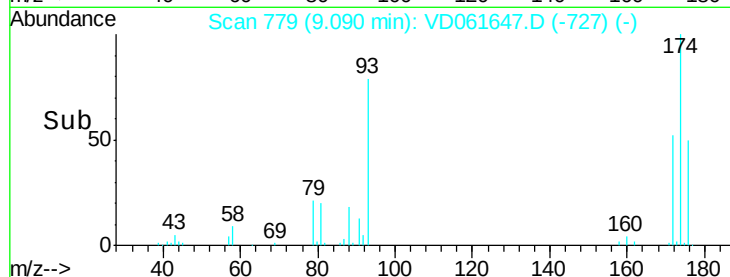
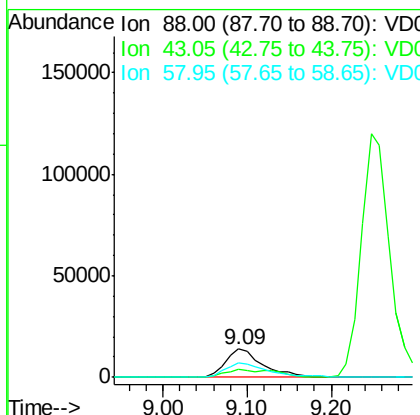
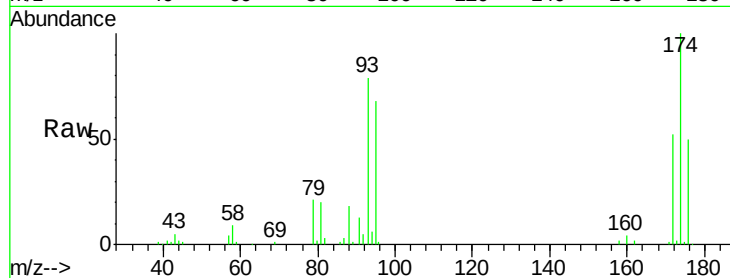




#49
1,4-Dioxane
Concen: 1153.524 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

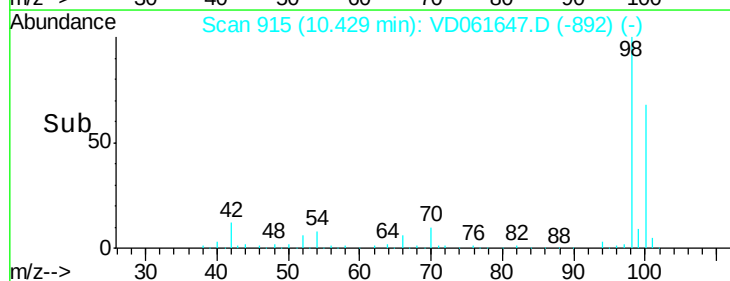
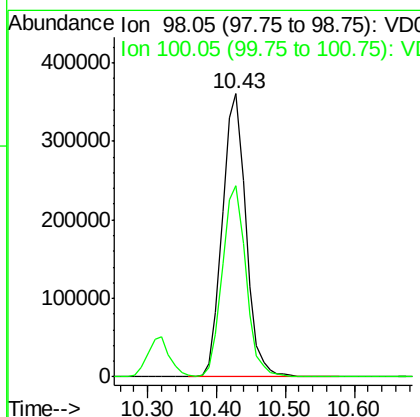
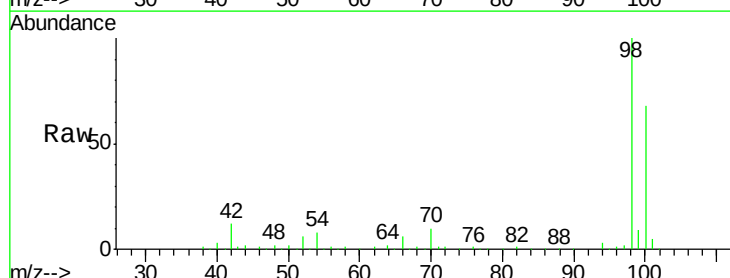
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

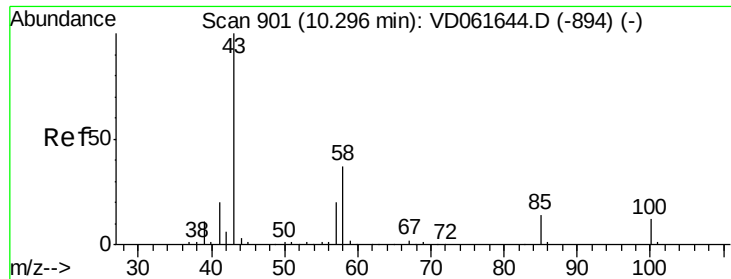
Tot Ion: 88 Resp: 42543
Ion Ratio Lower Upper
88 100
43 27.8 21.8 32.8
58 50.2 40.2 60.2



#50
Toluene-d8
Concen: 1153.524 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 98 Resp: 857463
Ion Ratio Lower Upper
98 100
100 67.8 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 256.252 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

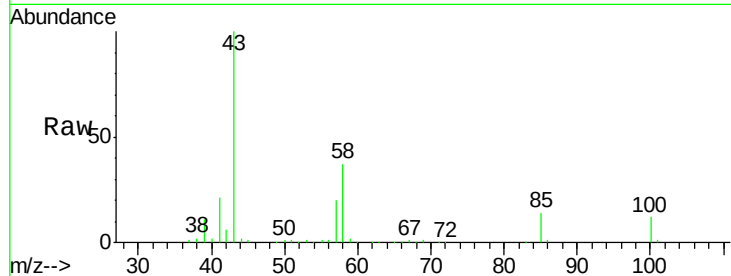
VSTDCCC050

Tot Ion: 43 Resp: 878434

Ion Ratio Lower Upper

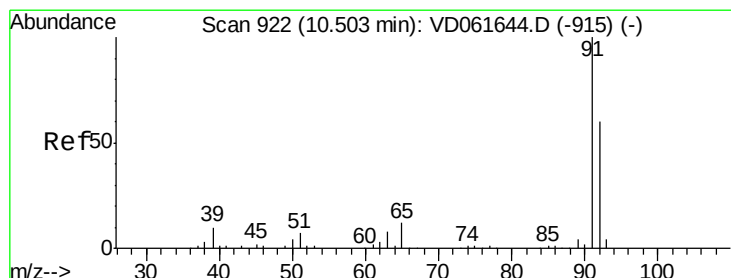
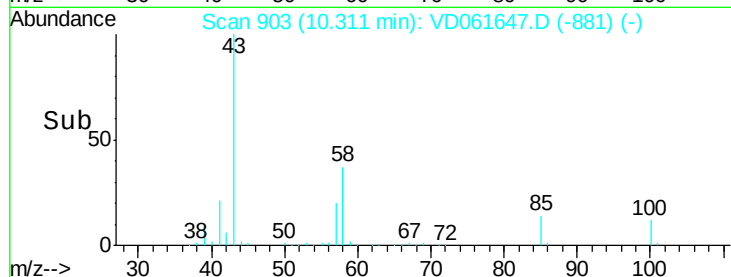
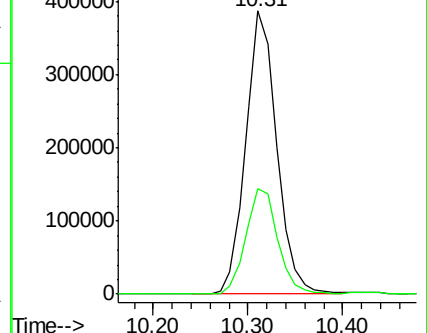
43 100

58 37.4 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.461 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061647.D

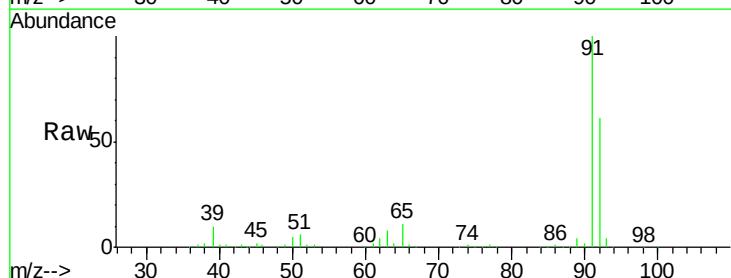
Acq: 8 Apr 2019 13:04

Tgt Ion: 92 Resp: 745409

Ion Ratio Lower Upper

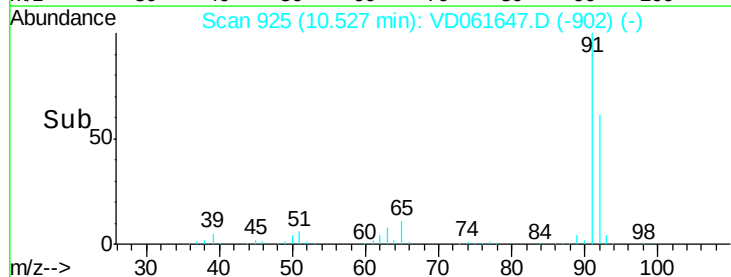
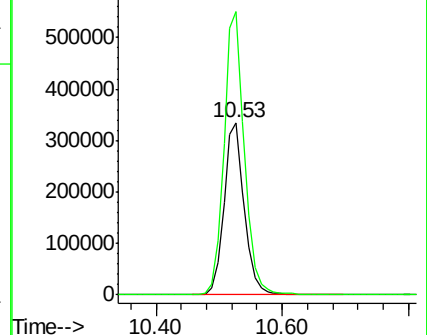
92 100

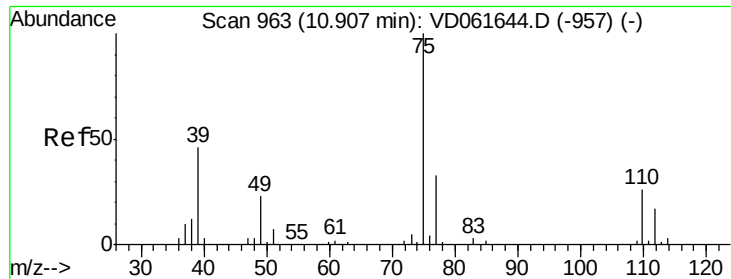
91 164.6 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

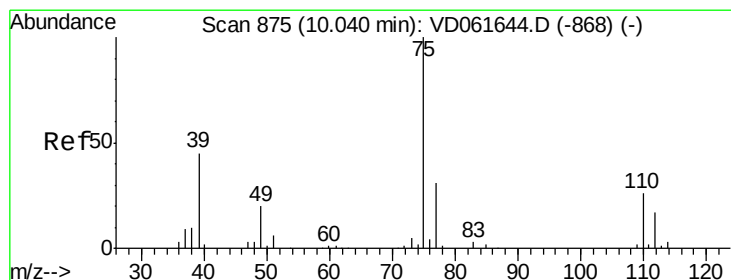
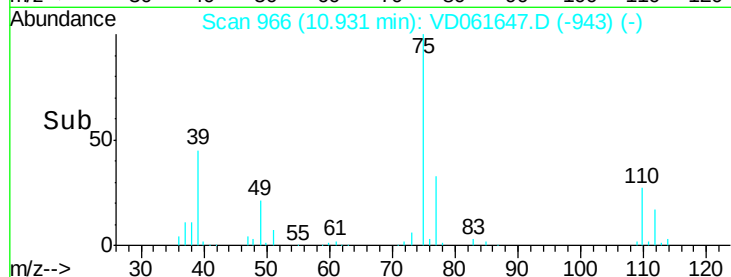
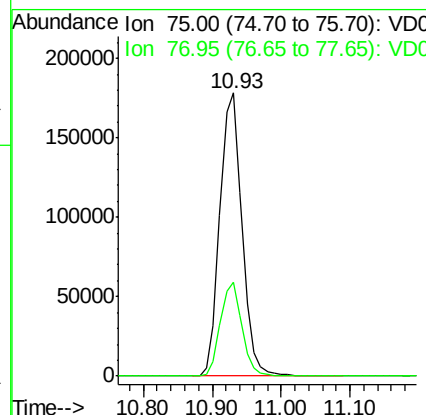
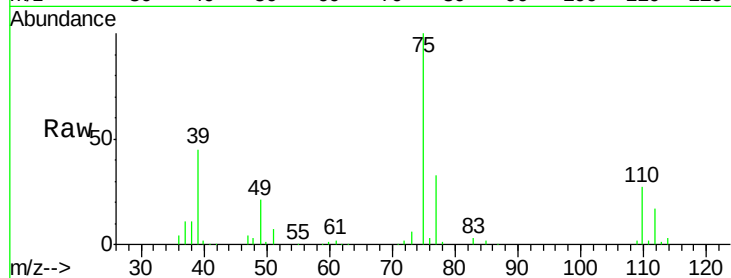




#53
 t-1,3-Dichloropropene
 Concen: 49.274 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

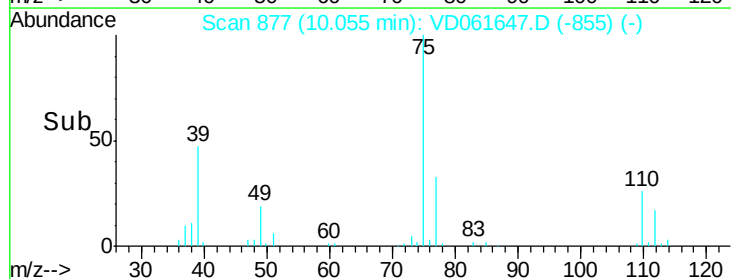
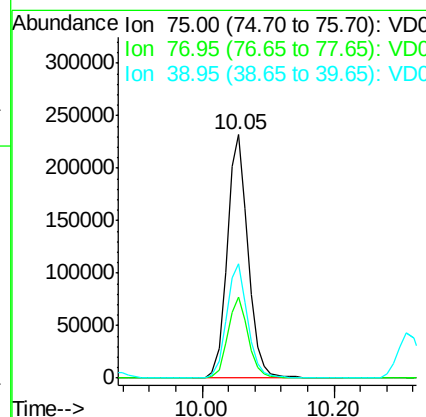
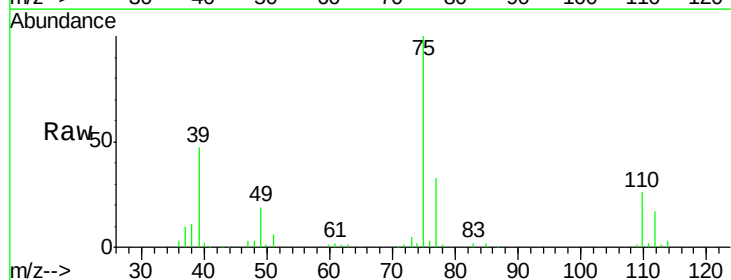
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

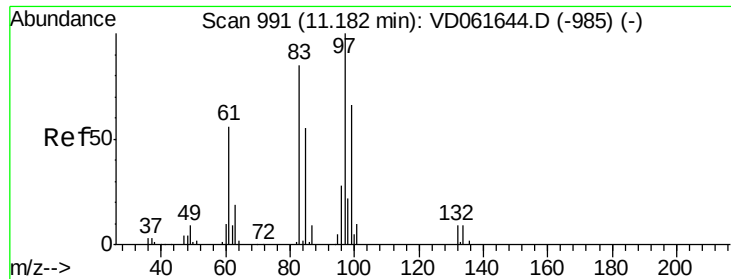
Tot Ion: 75 Resp: 397743
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.466 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 75 Resp: 512122
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.6 37.0
 39 46.9 36.2 54.2

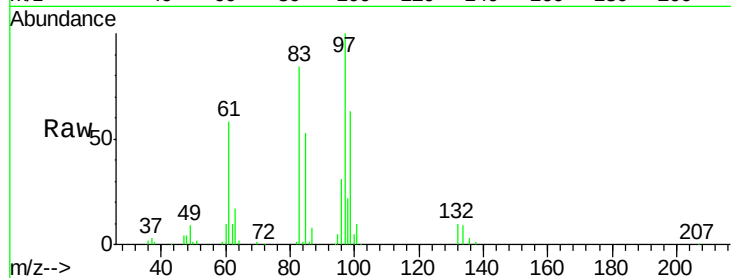




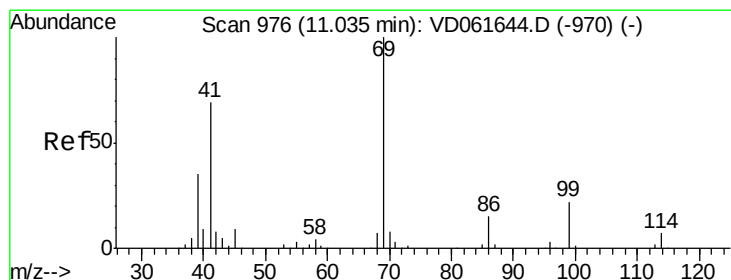
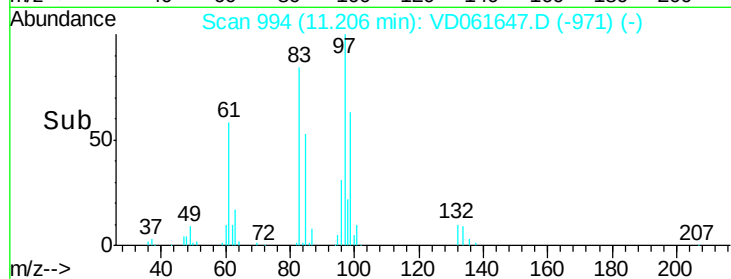
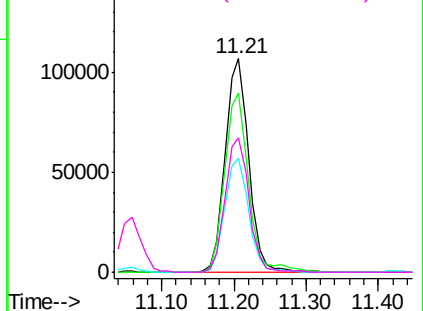
#55
 1,1,2-Trichloroethane
 Concen: 48.462 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 241444
 Ion Ratio Lower Upper
 97 100
 83 83.7 67.8 101.6
 85 53.2 43.8 65.8
 99 63.1 52.8 79.2

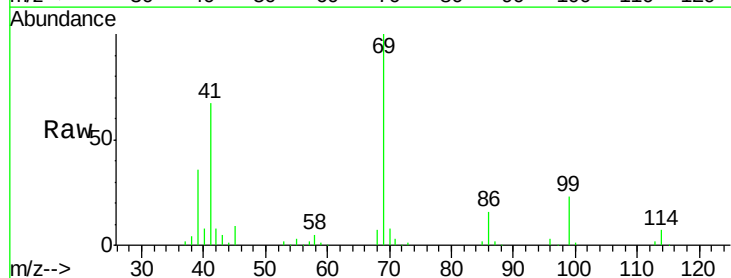


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

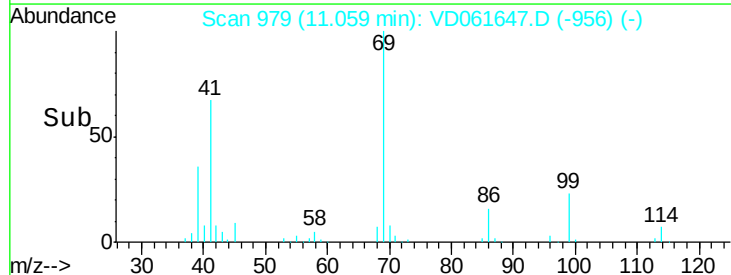
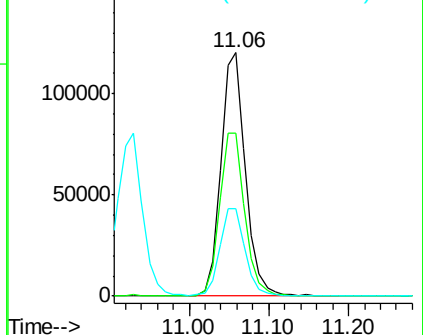


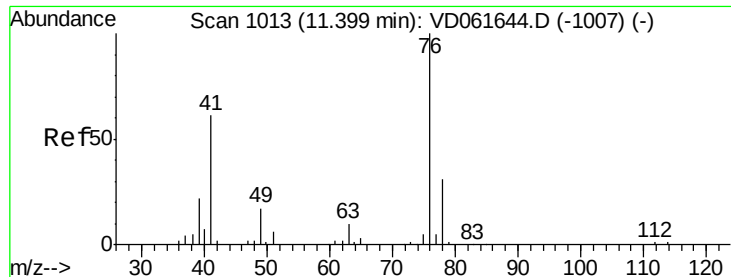
#56
 Ethyl methacrylate
 Concen: 49.381 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 69 Resp: 259536
 Ion Ratio Lower Upper
 69 100
 41 67.1 55.2 82.8
 39 35.8 28.6 43.0



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

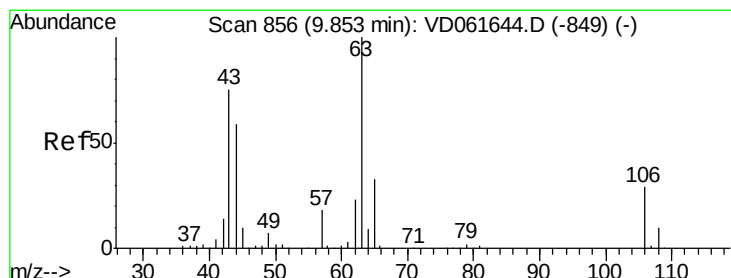
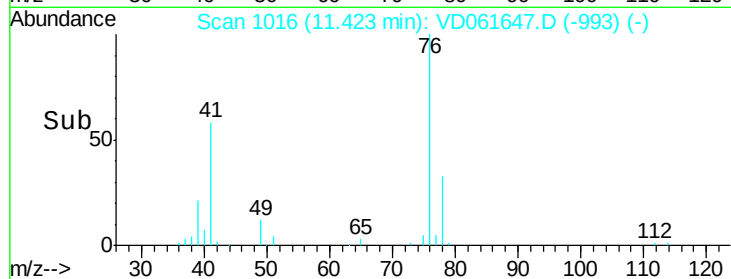
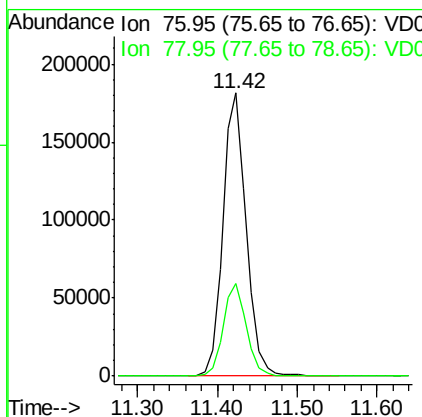
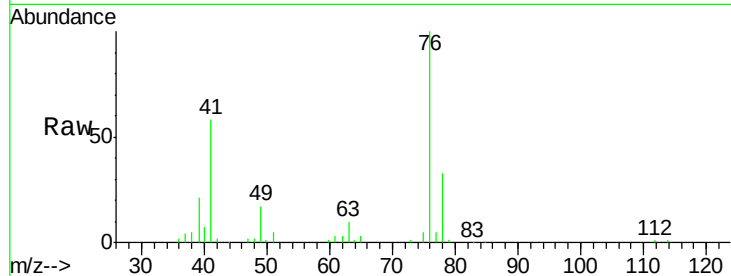




#57
 1,3-Dichloropropane
 Concen: 50.857 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

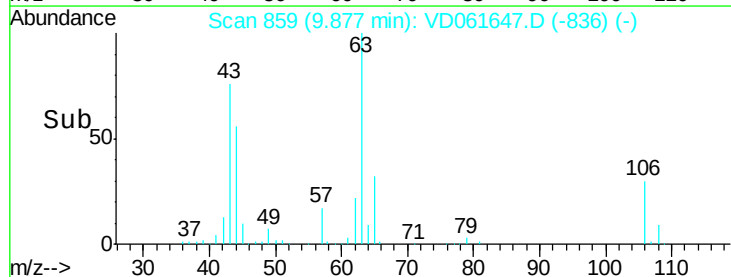
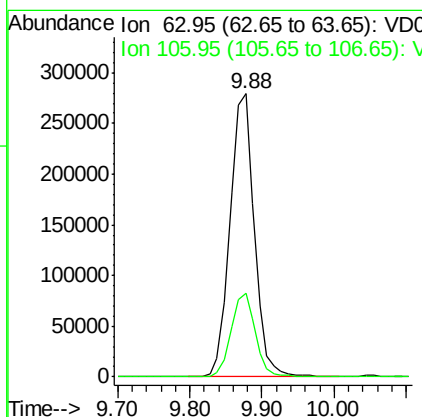
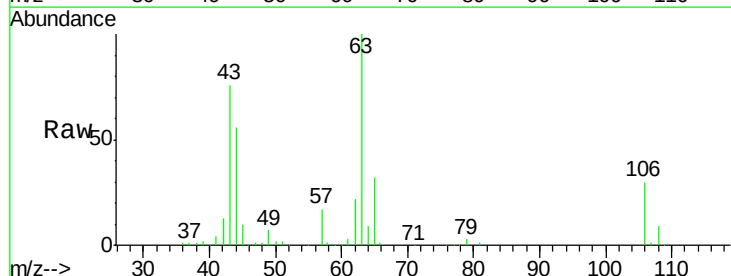
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

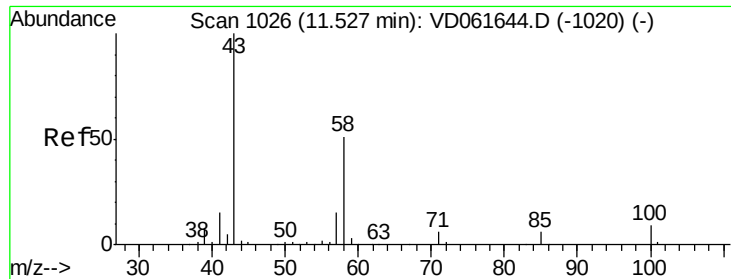
Tot Ion: 76 Resp: 371059
 Ion Ratio Lower Upper
 76 100
 78 32.8 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.468 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 63 Resp: 658341
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.0 34.6

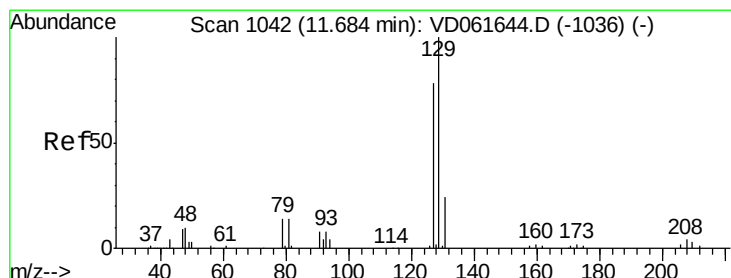
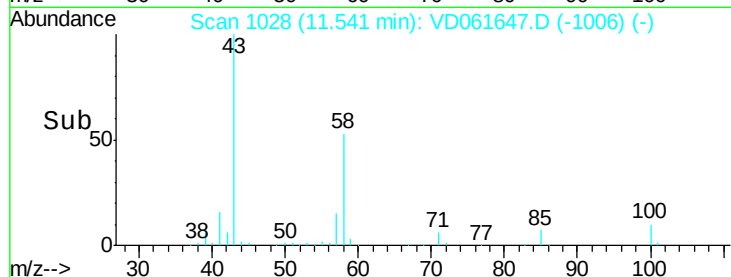
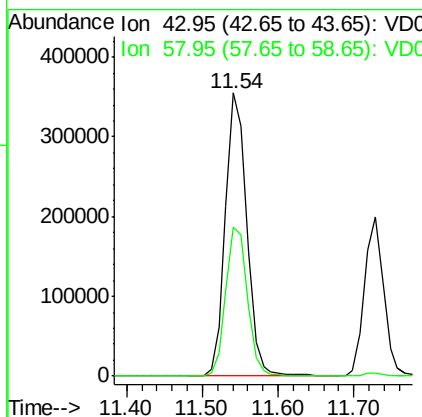
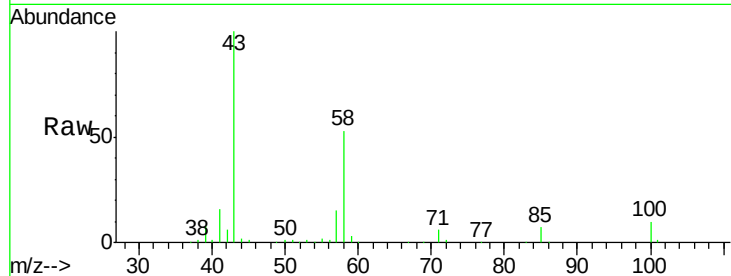




#59
2-Hexanone
Concen: 262.528 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

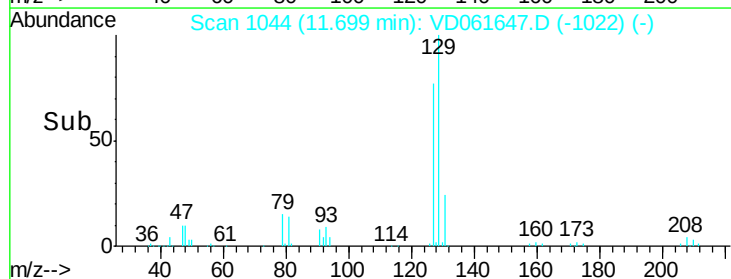
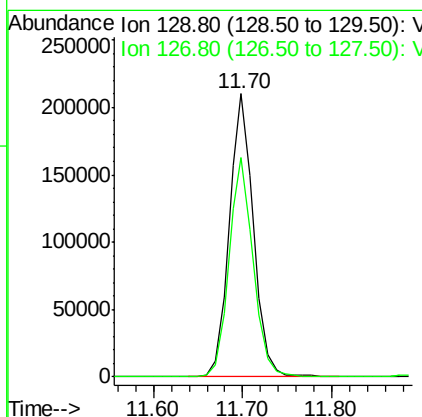
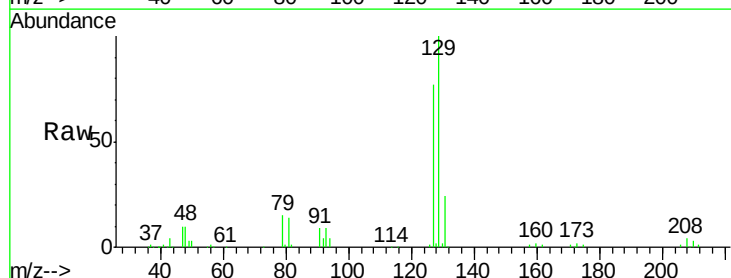
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

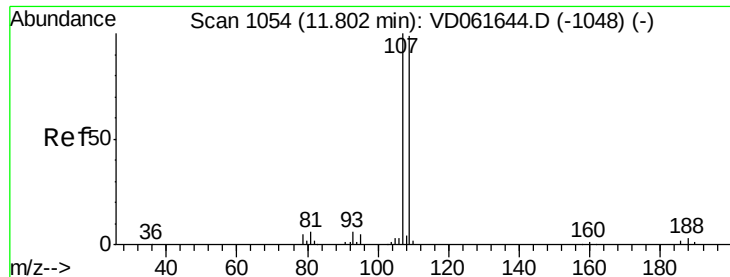
Tot Ion: 43 Resp: 698434
Ion Ratio Lower Upper
43 100
58 52.8 25.6 76.8



#60
Dibromochloromethane
Concen: 50.648 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 129 Resp: 398671
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4

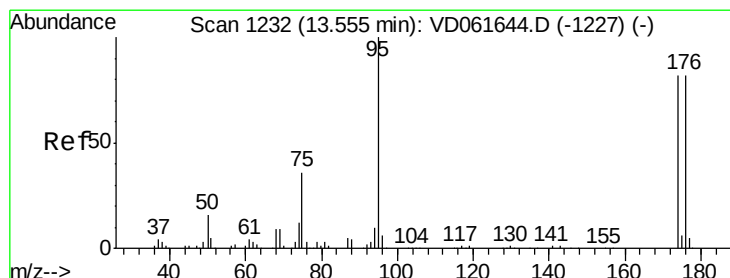
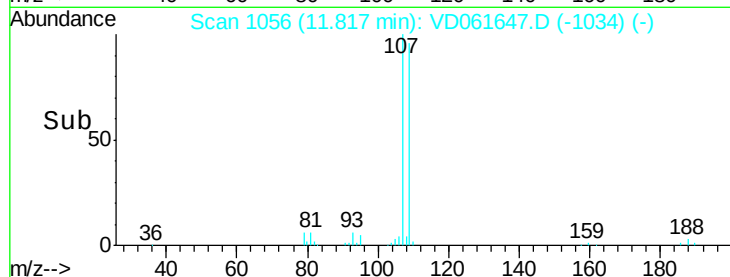
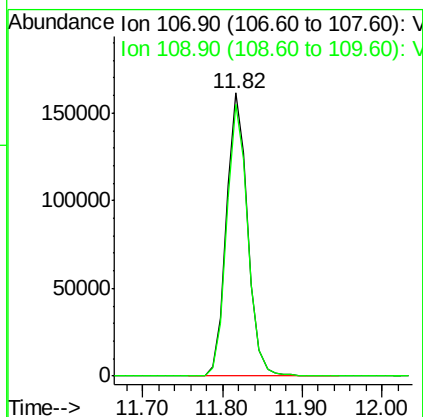
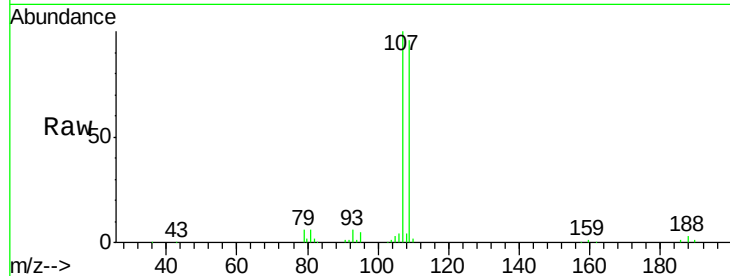




#61
 1,2-Dibromoethane
 Concen: 52.030 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

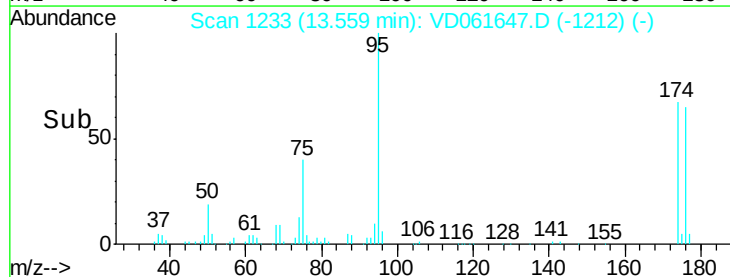
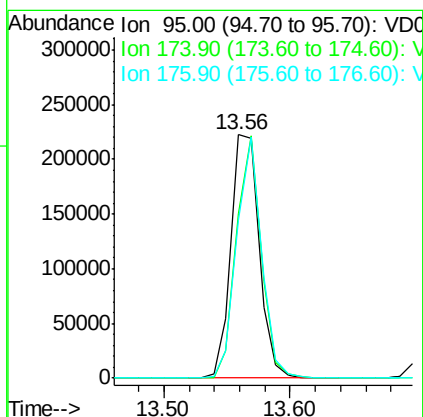
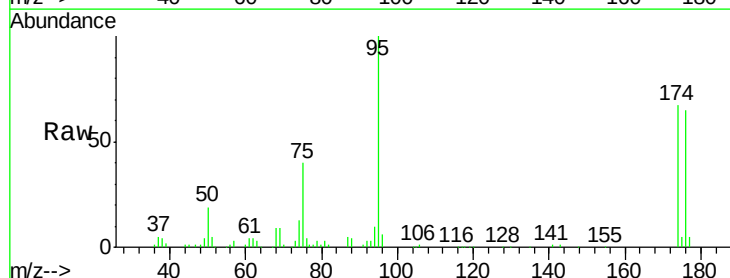
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

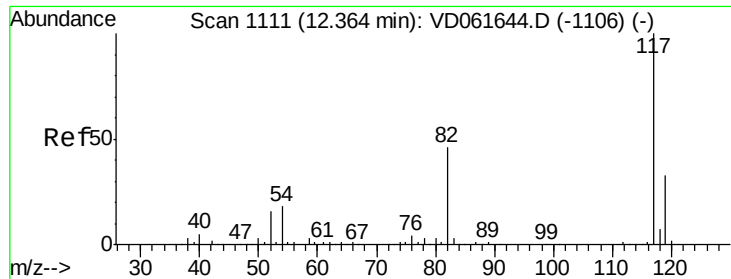
Tot Ion: 107 Resp: 303149
 Ion Ratio Lower Upper
 107 100
 109 95.9 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 52.030 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 95 Resp: 342771
 Ion Ratio Lower Upper
 95 100
 174 67.3 0.0 164.6
 176 65.0 0.0 165.0

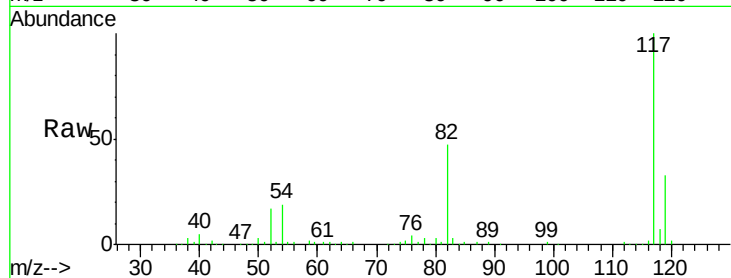




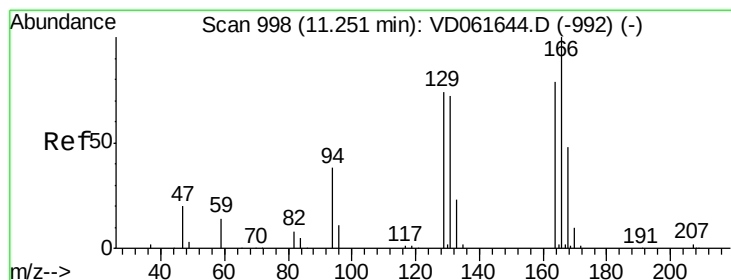
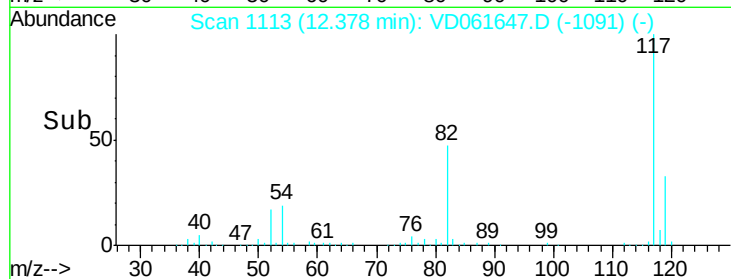
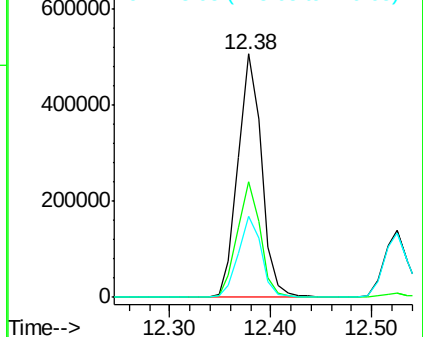
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 827414
Ion Ratio Lower Upper
117 100
82 47.3 36.8 55.2
119 33.1 26.1 39.1

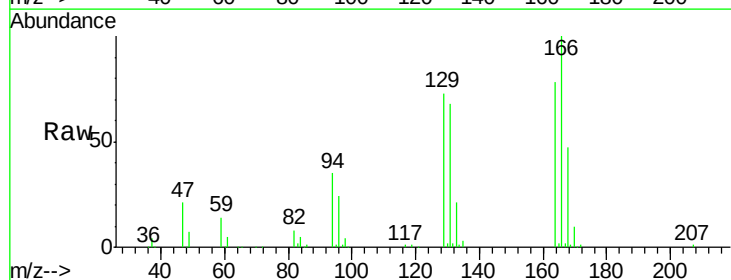


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

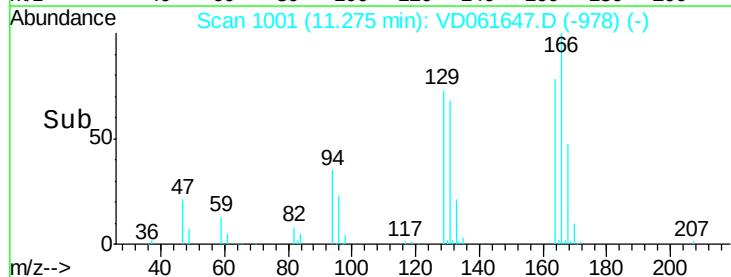
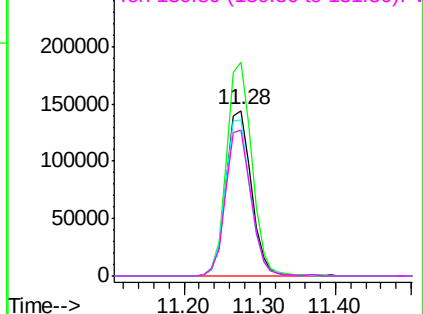


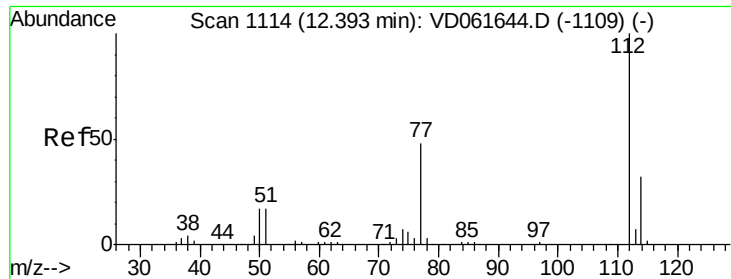
#64
Tetrachloroethene
Concen: 51.925 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion:164 Resp: 333495
Ion Ratio Lower Upper
164 100
166 128.9 101.8 152.8
129 94.4 75.4 113.0
131 88.2 73.6 110.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

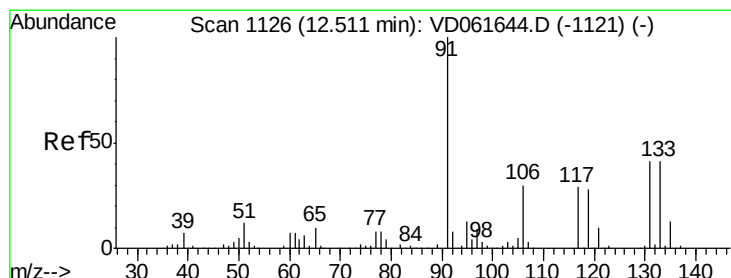
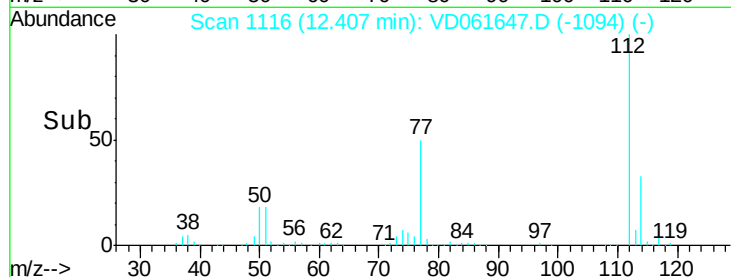
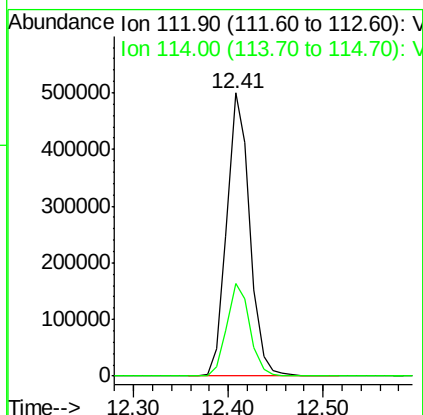
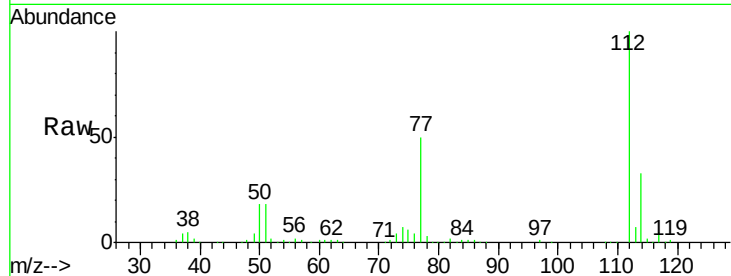




#65
Chlorobenzene
Concen: 51.116 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

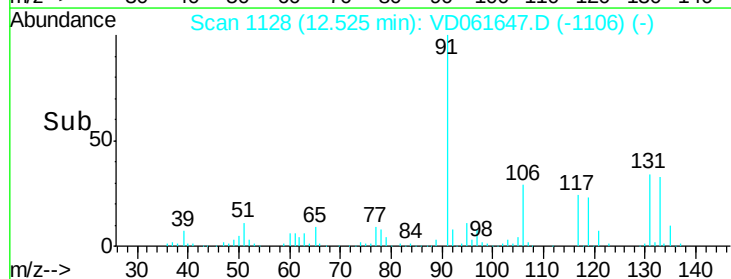
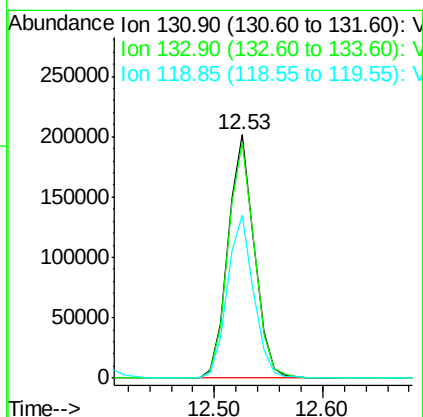
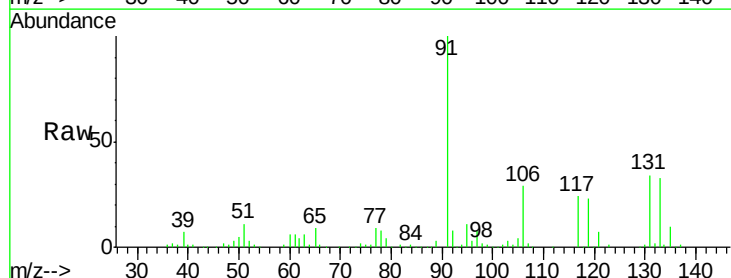
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

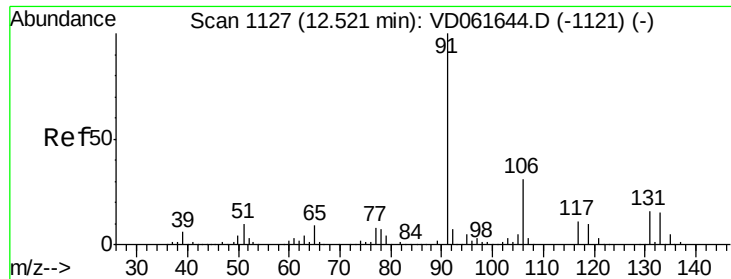
Tot Ion:112 Resp: 838736
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.666 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion:131 Resp: 338851
Ion Ratio Lower Upper
131 100
133 96.9 49.5 148.3
119 67.1 34.7 104.1

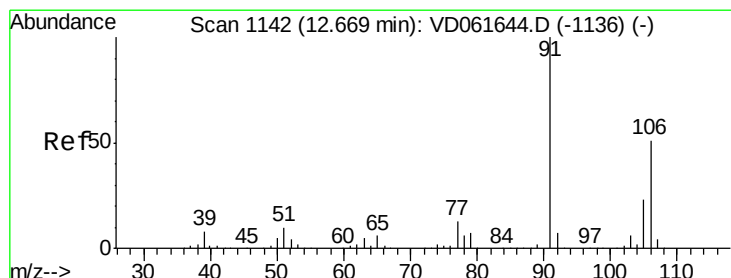
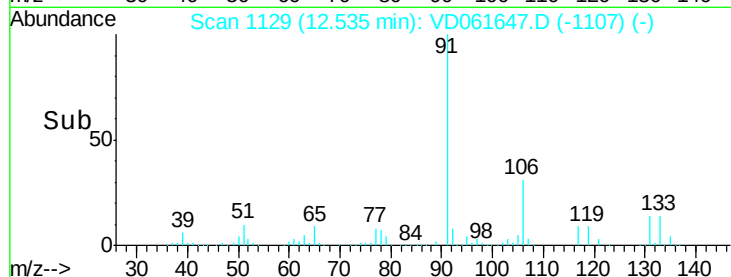
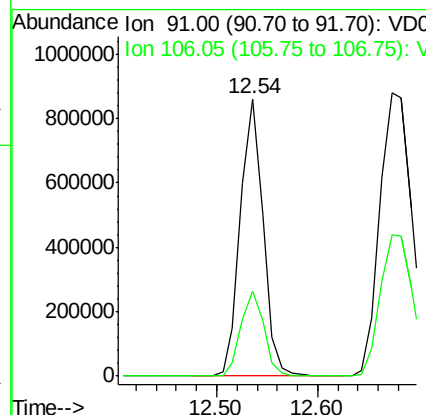
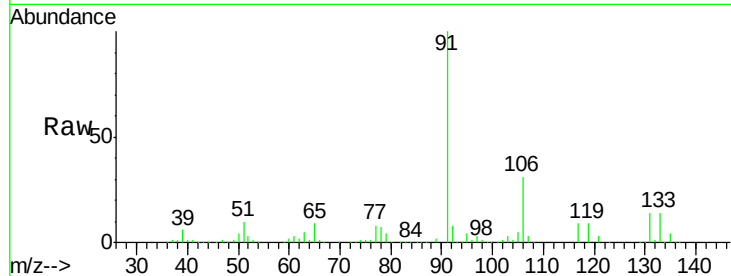




#67
Ethyl Benzene
Concen: 54.080 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

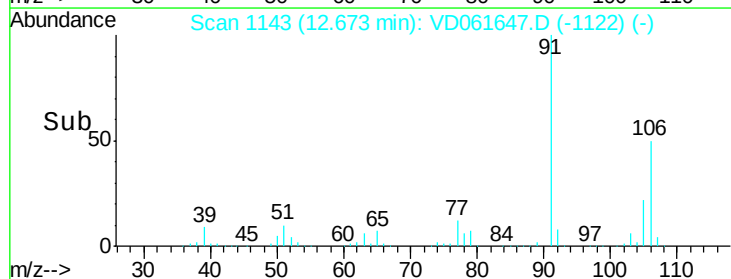
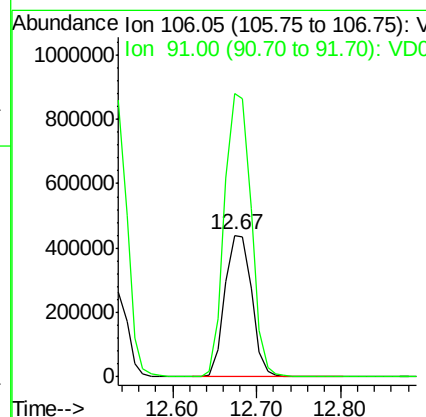
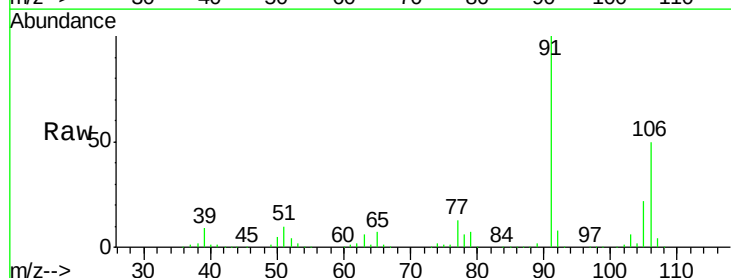
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

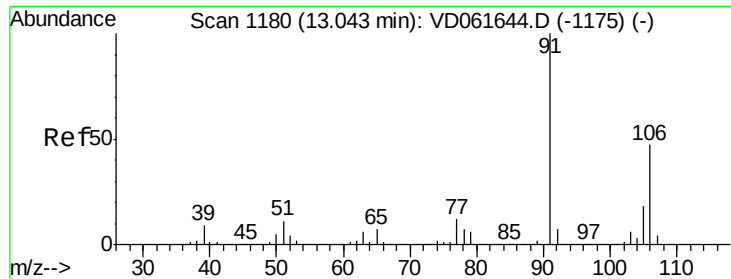
Tot Ion: 91 Resp: 1351283
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 100.961 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 106 Resp: 972554
Ion Ratio Lower Upper
106 100
91 200.0 156.7 235.1

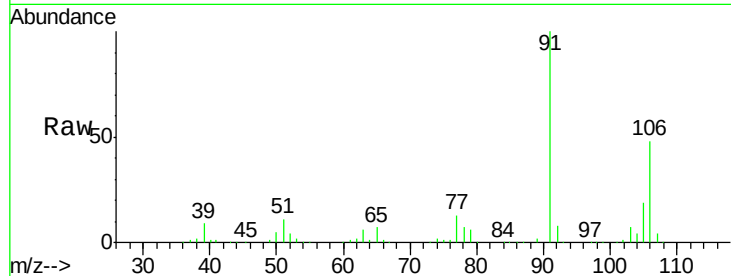




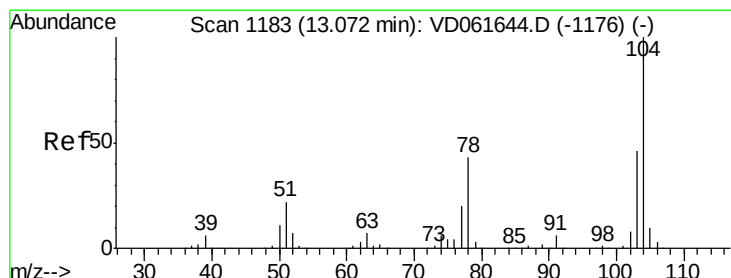
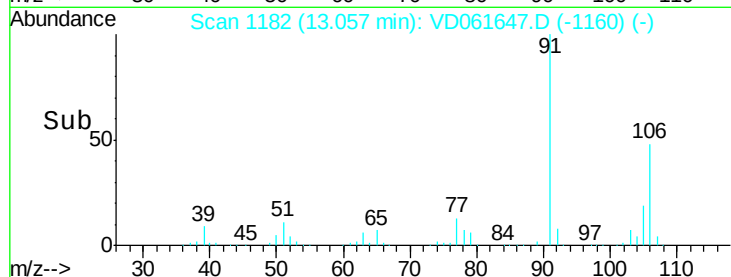
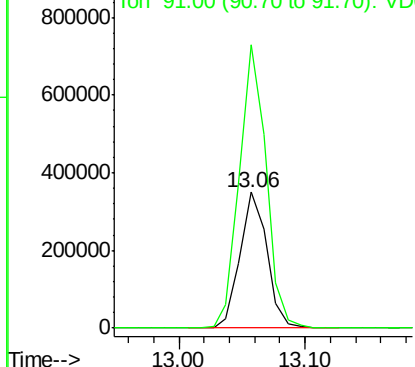
#69
o-Xylene
Concen: 55.794 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 518813
Ion Ratio Lower Upper
106 100
91 208.4 107.3 321.9

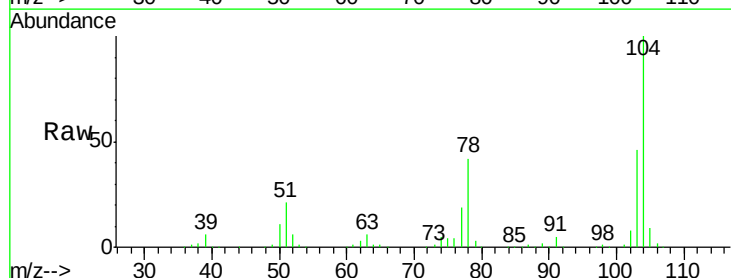


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

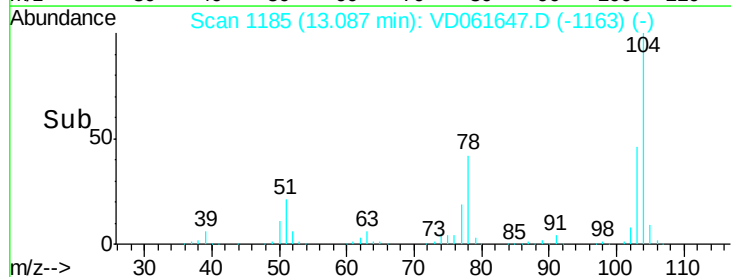
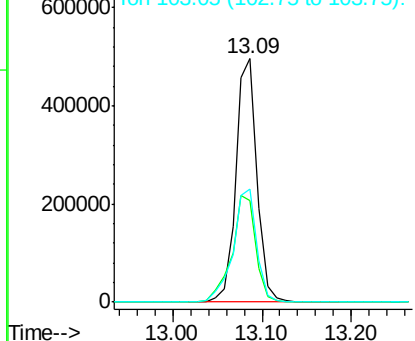


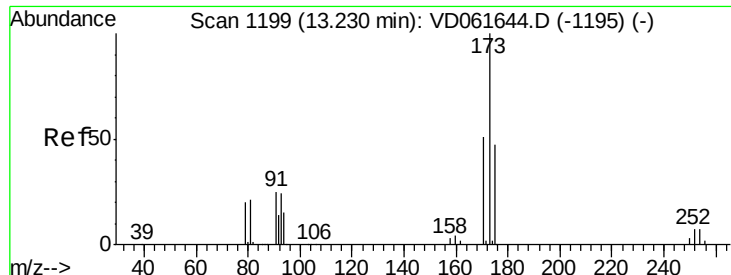
#70
Styrene
Concen: 51.372 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion:104 Resp: 815798
Ion Ratio Lower Upper
104 100
78 41.6 34.2 51.4
103 46.4 37.2 55.8



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





#71

Bromoform

Concen: 58.160 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

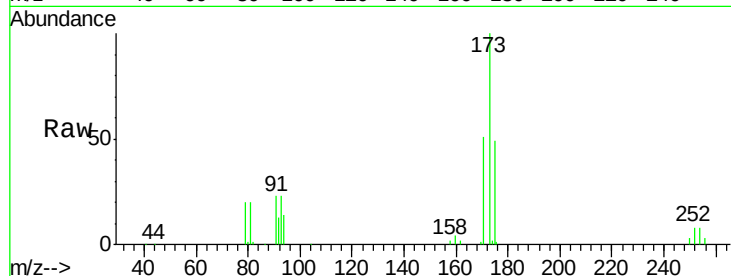
Tot Ion:173 Resp: 227849

Ion Ratio Lower Upper

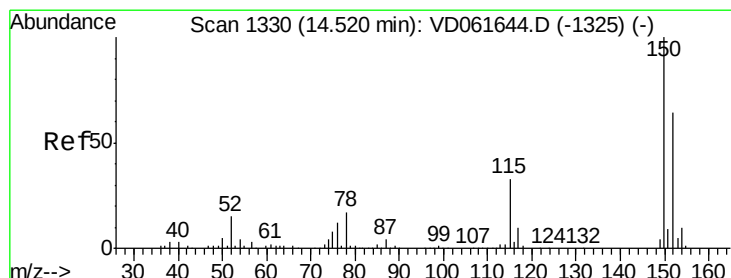
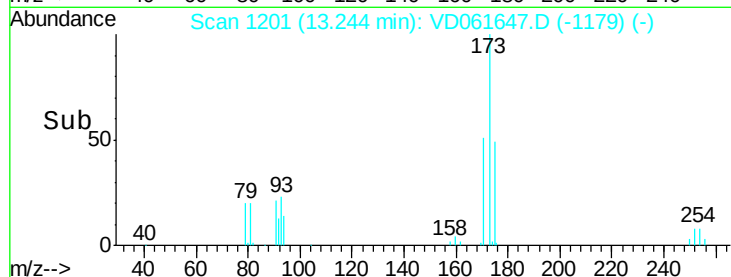
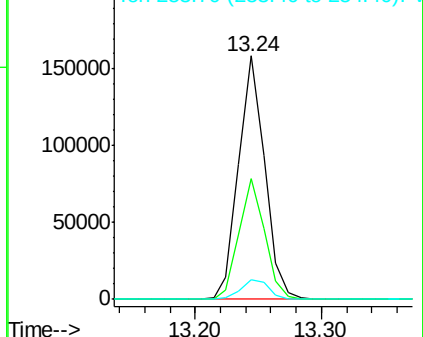
173 100

175 49.3 23.7 71.1

254 8.0 5.8 8.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

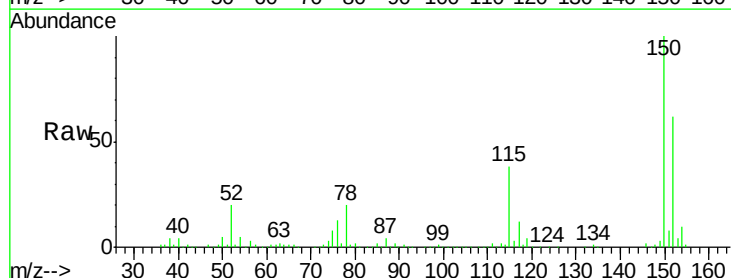
Tgt Ion:152 Resp: 407266

Ion Ratio Lower Upper

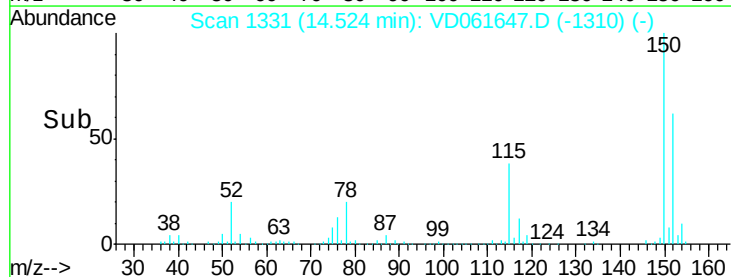
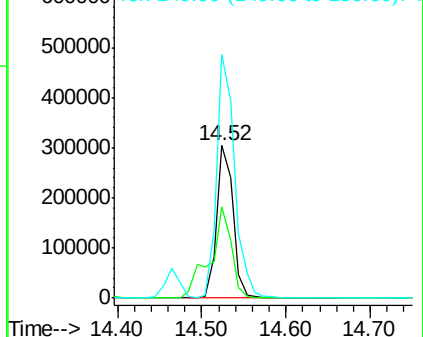
152 100

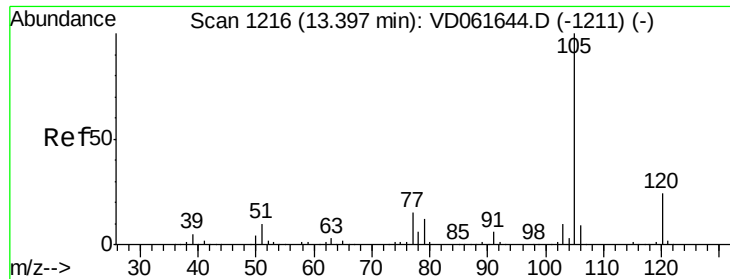
115 60.1 26.4 79.2

150 160.0 0.0 320.6



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: 51.009 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

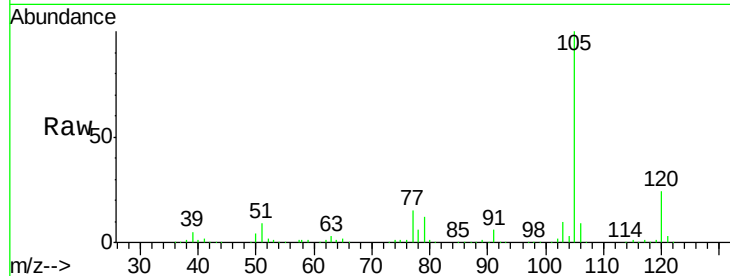
VSTDCCC050

Tot Ion:105 Resp: 1384207

Ion Ratio Lower Upper

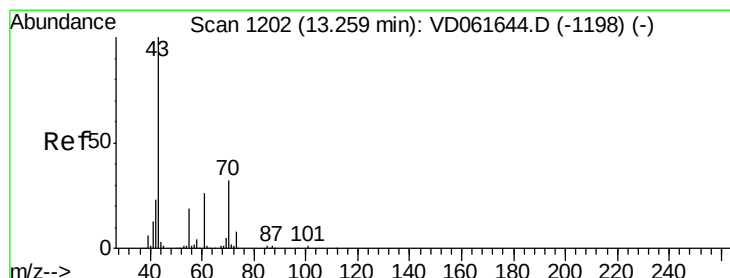
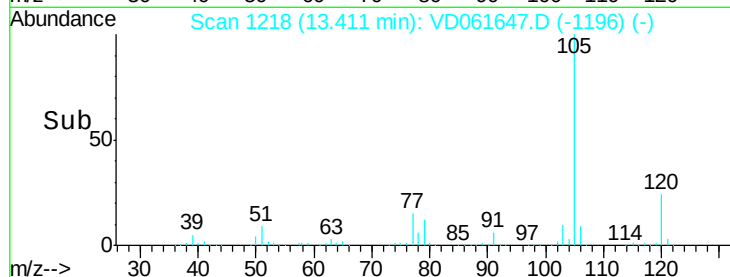
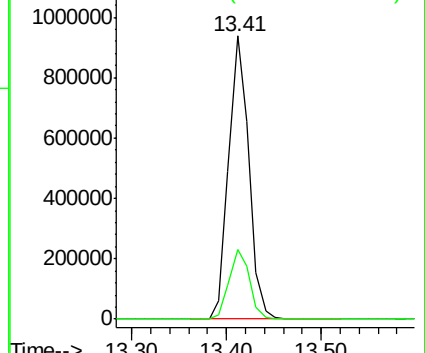
105 100

120 24.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.244 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Tgt Ion: 43 Resp: 392577

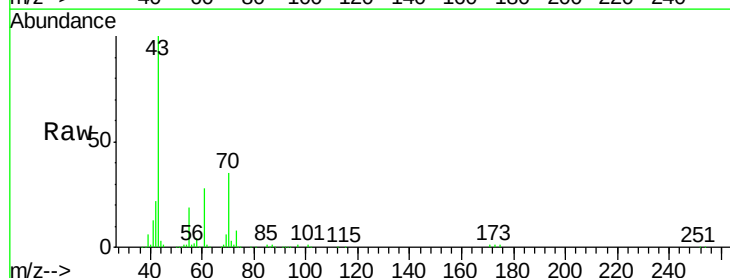
Ion Ratio Lower Upper

43 100

70 35.4 25.4 38.2

55 19.2 15.0 22.4

61 27.6 20.9 31.3

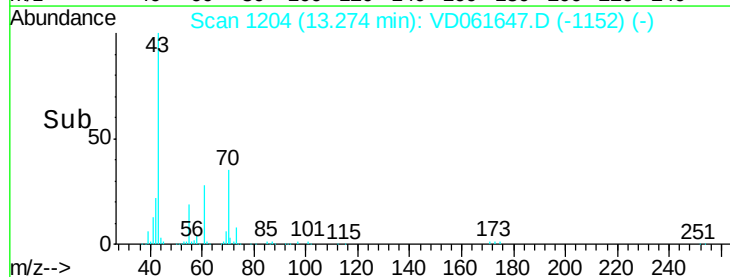
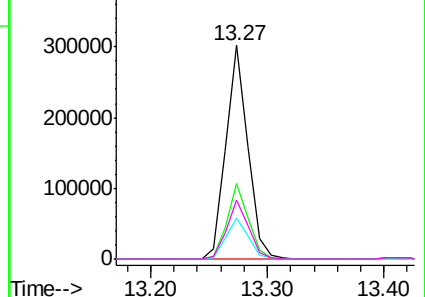


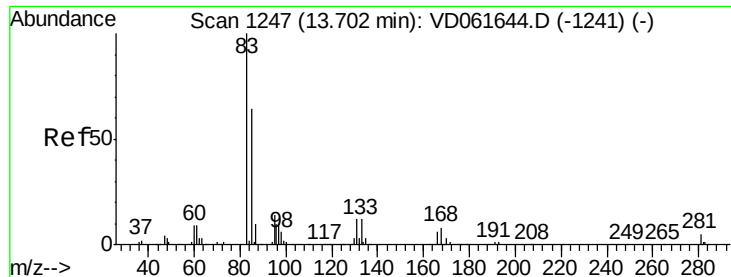
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 49.648 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

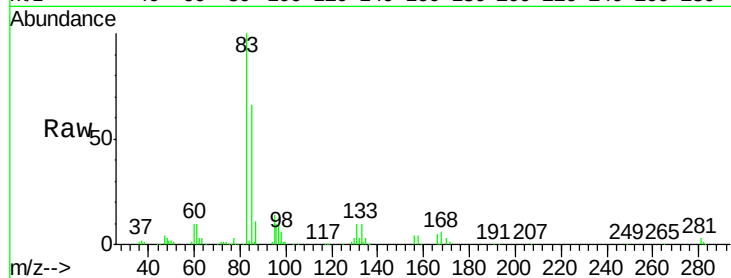
Tot Ion: 83 Resp: 278572

Ion Ratio Lower Upper

83 100

131 10.5 5.9 17.6

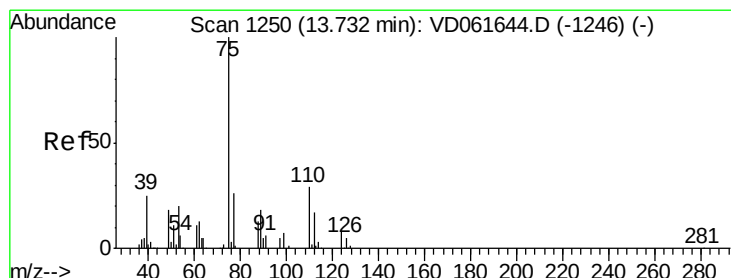
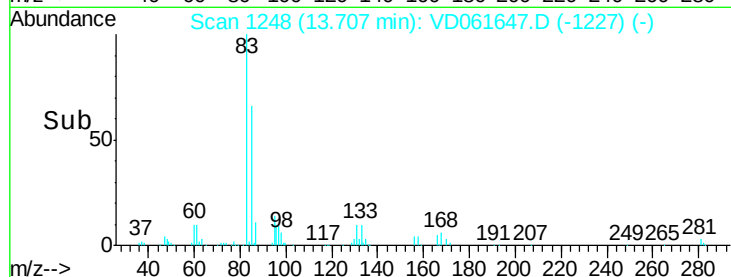
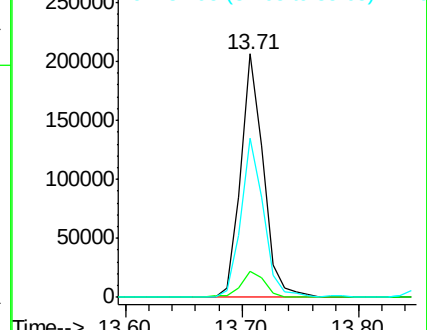
85 65.5 32.0 96.2



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: 52.867 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061647.D

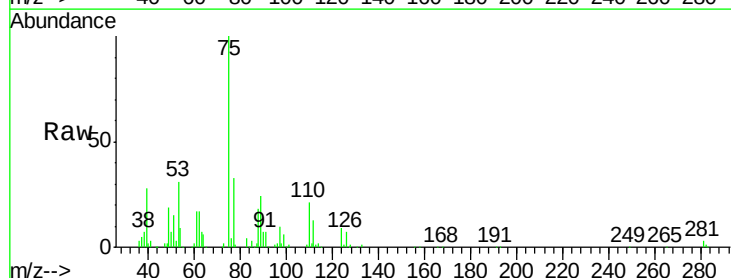
Acq: 8 Apr 2019 13:04

Tgt Ion: 75 Resp: 292930

Ion Ratio Lower Upper

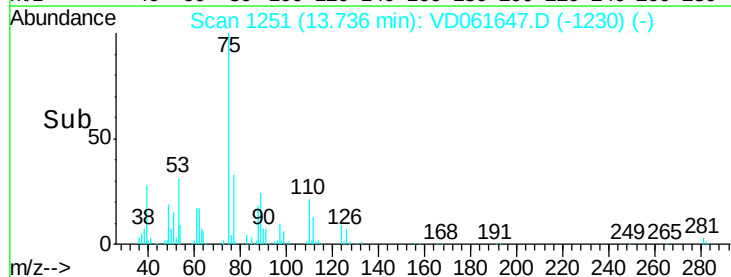
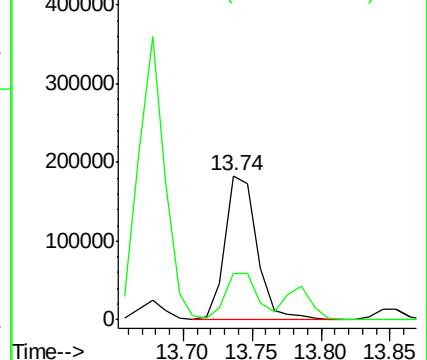
75 100

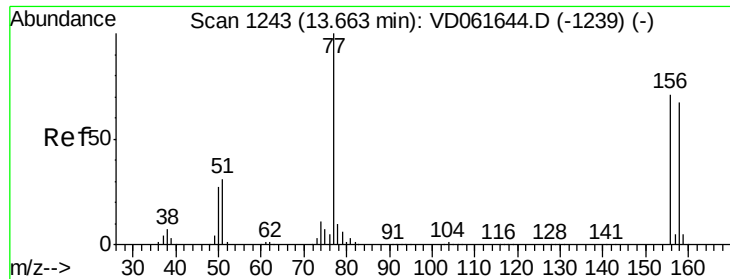
77 32.7 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.017 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

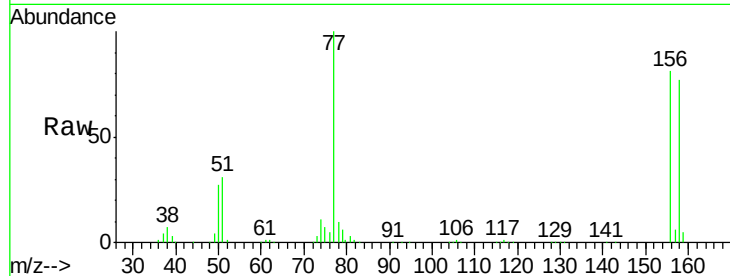
Tot Ion:156 Resp: 401851

Ion Ratio Lower Upper

156 100

77 122.9 70.3 210.8

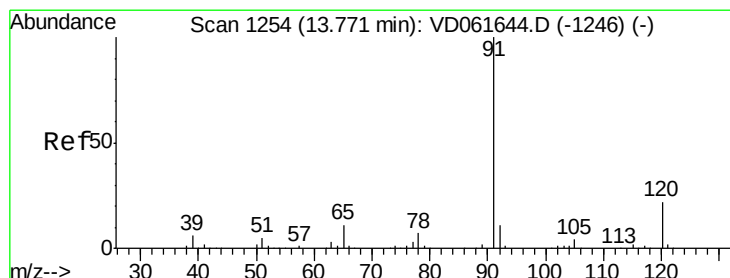
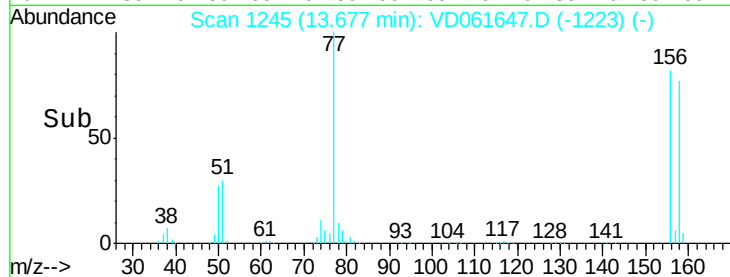
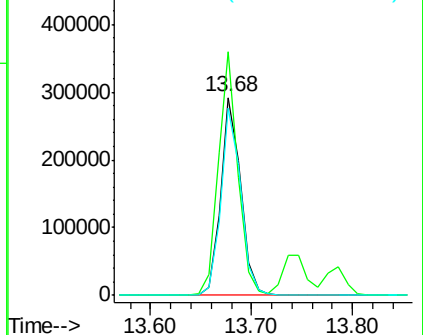
158 94.6 47.4 142.2



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: 48.311 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061647.D

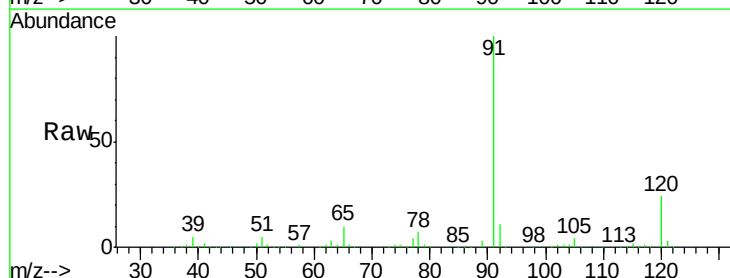
Acq: 8 Apr 2019 13:04

Tgt Ion: 91 Resp: 1568225

Ion Ratio Lower Upper

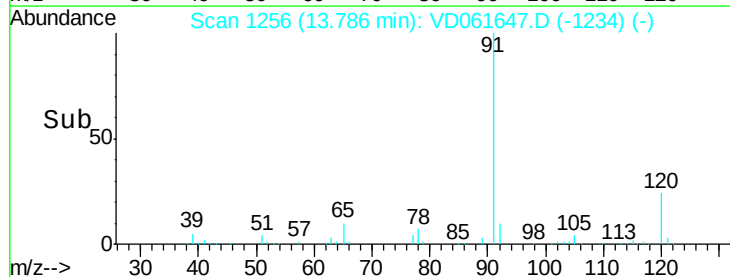
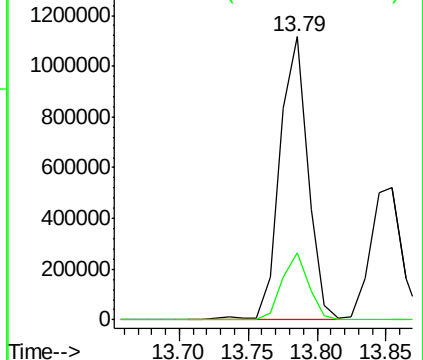
91 100

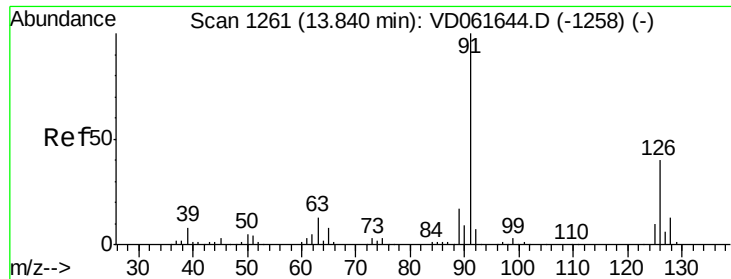
120 23.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

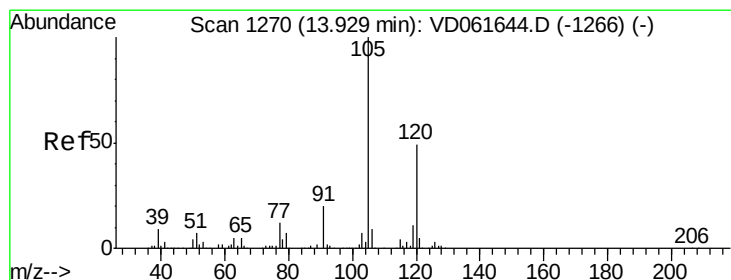
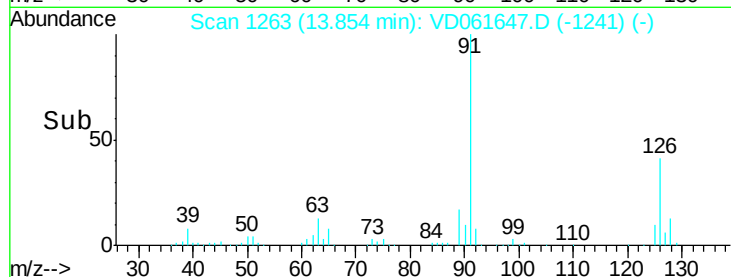
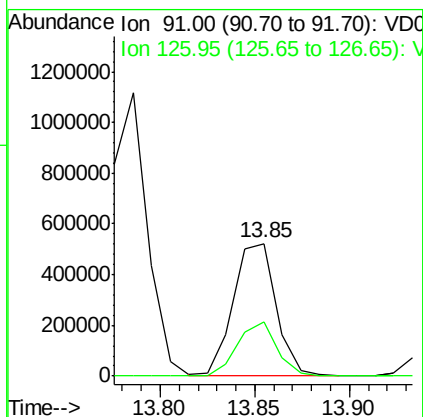
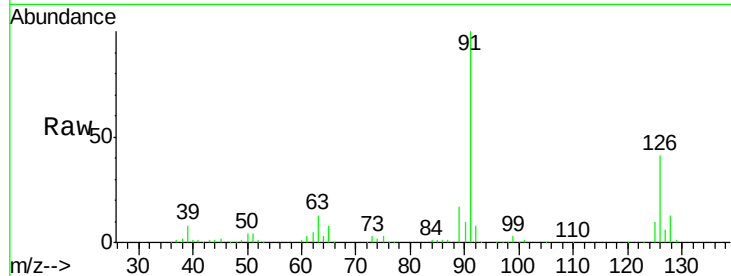




#79
 2-Chlorotoluene
 Concen: 44.135 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

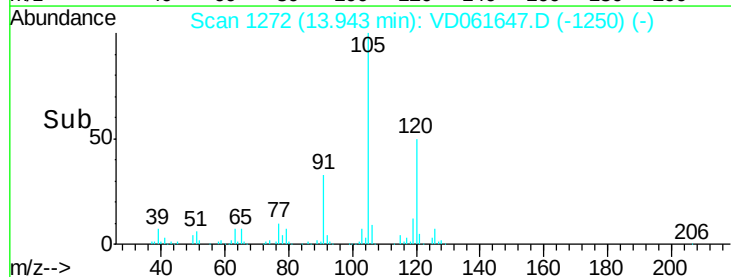
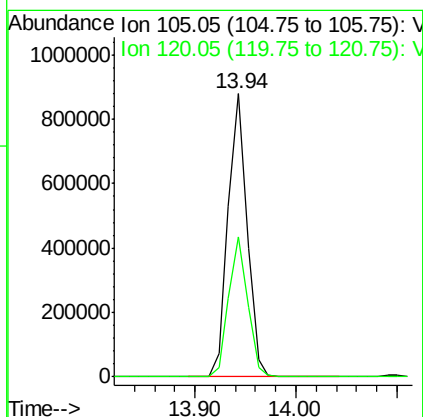
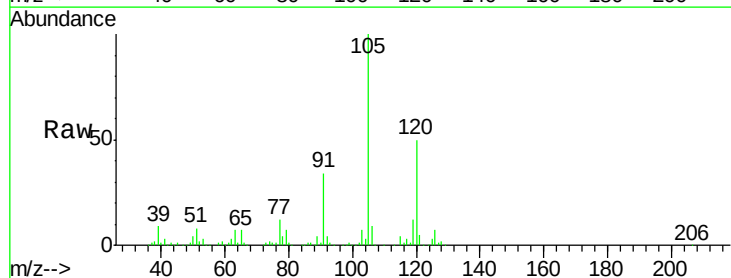
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

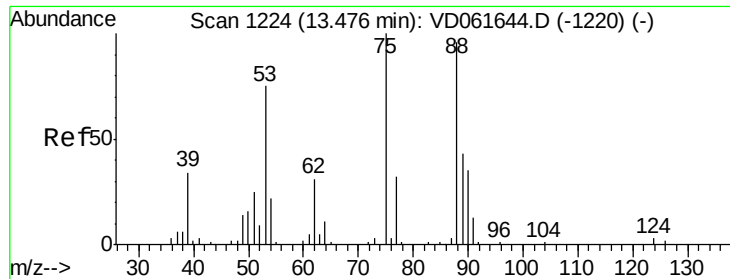
Tot Ion: 91 Resp: 819279
 Ion Ratio Lower Upper
 91 100
 126 40.7 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.215 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 105 Resp: 1146181
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.2

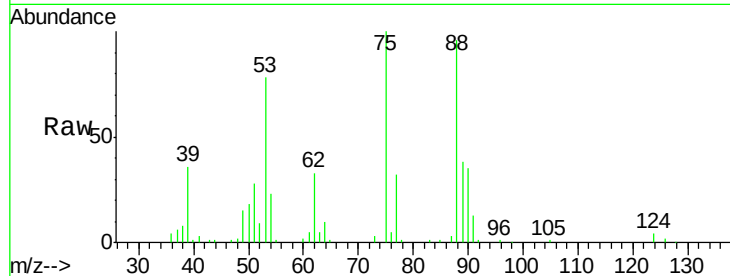




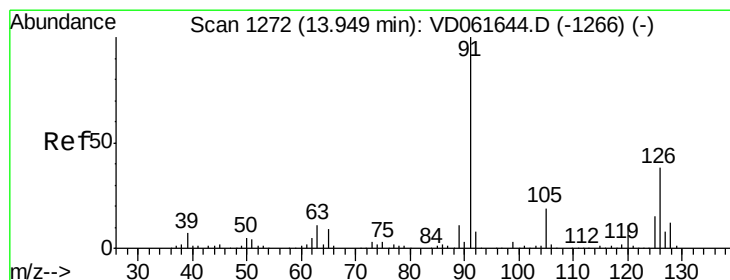
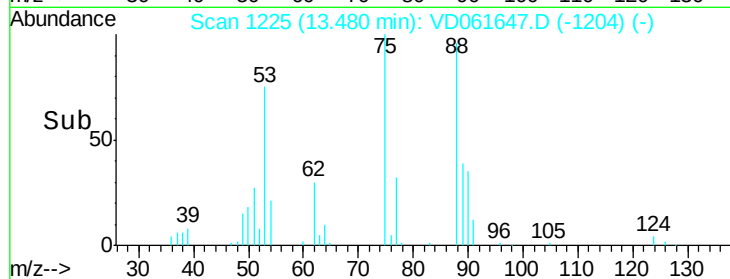
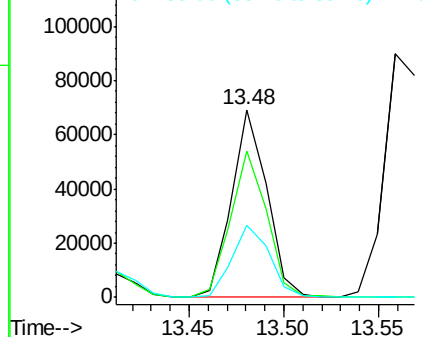
#81
trans-1,4-Dichloro-2-butene
Concen: 53.196 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 89444
Ion Ratio Lower Upper
75 100
53 77.9 60.2 90.2
89 38.3 34.2 51.2

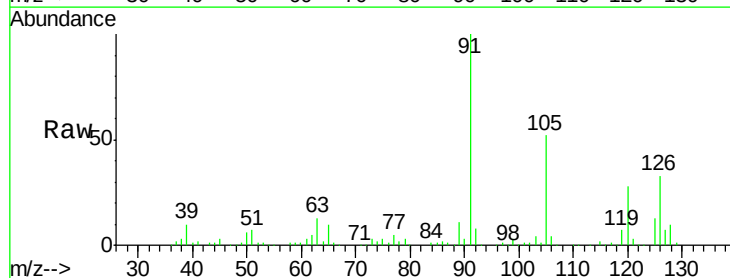


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

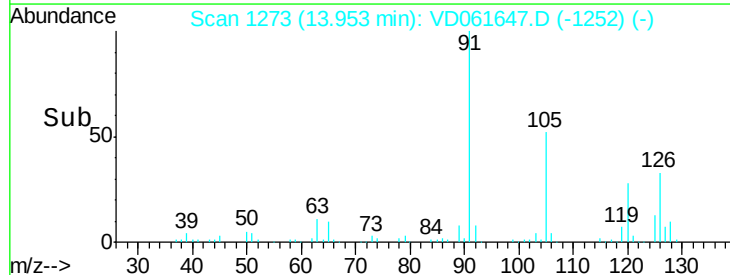
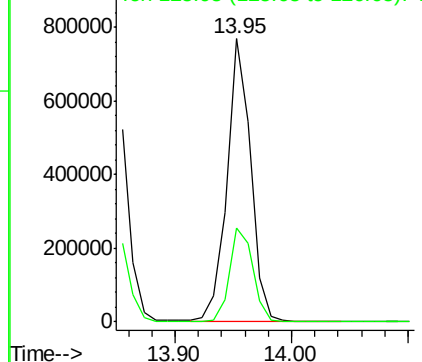


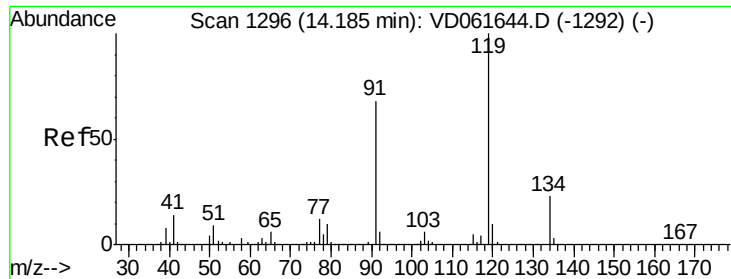
#82
4-Chlorotoluene
Concen: 52.960 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 91 Resp: 1077254
Ion Ratio Lower Upper
91 100
126 33.4 19.0 57.0



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

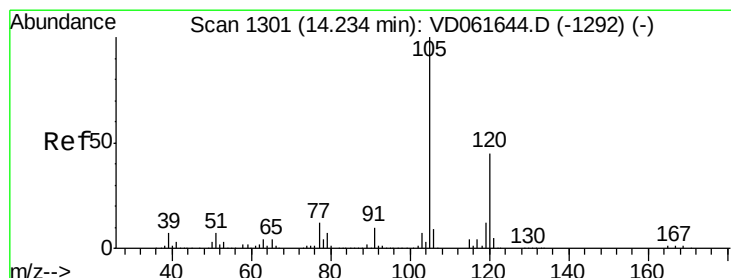
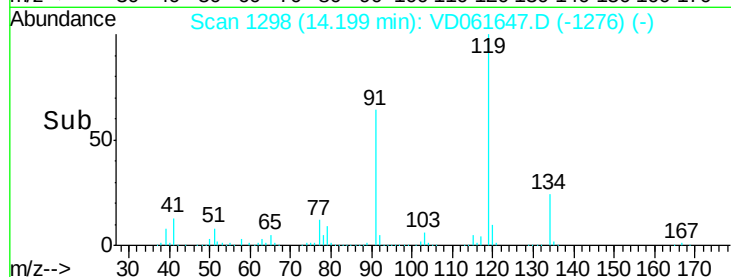
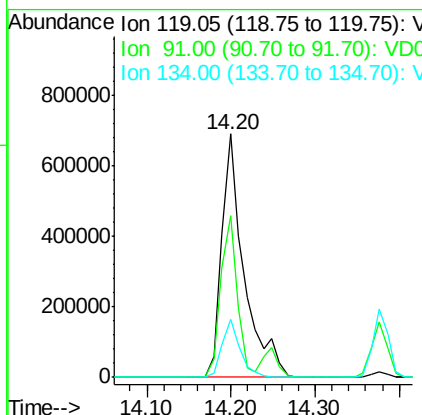
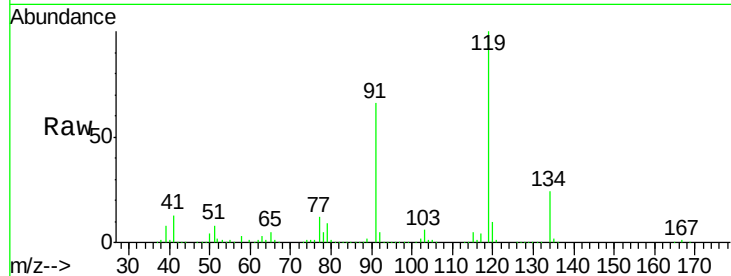




#83
 tert-Butylbenzene
 Concen: 49.148 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

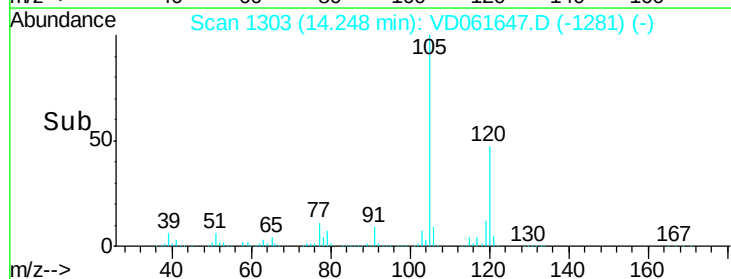
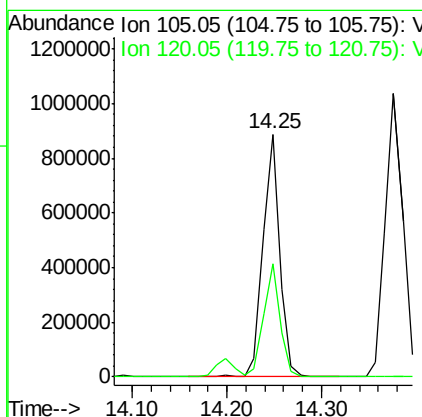
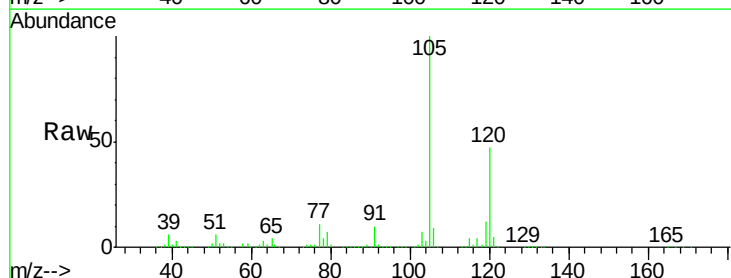
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

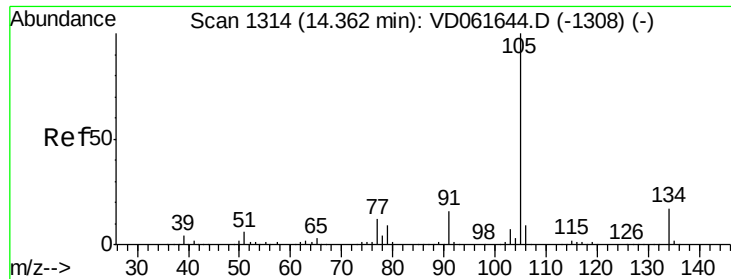
Tot Ion:119 Resp: 1276337
 Ion Ratio Lower Upper
 119 100
 91 66.2 33.9 101.6
 134 24.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.017 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion:105 Resp: 1109008
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.6 67.8





#85

sec-Butylbenzene

Concen: 47.993 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

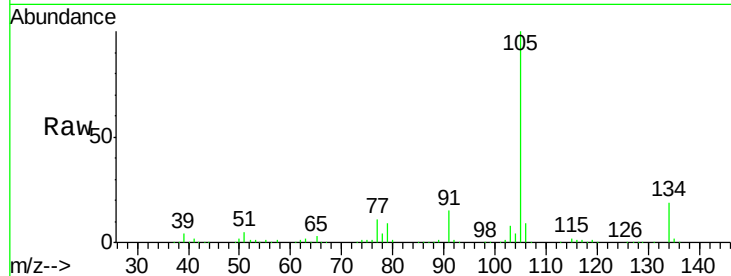
VSTDCCC050

Tot Ion:105 Resp: 1346576

Ion Ratio Lower Upper

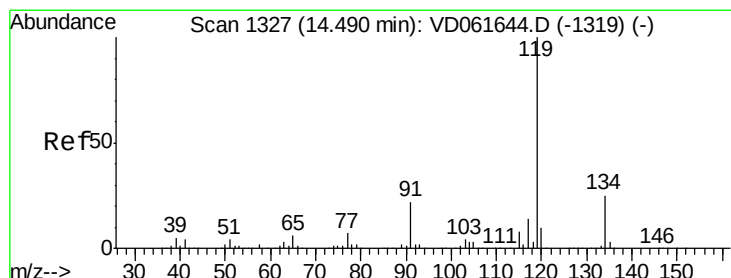
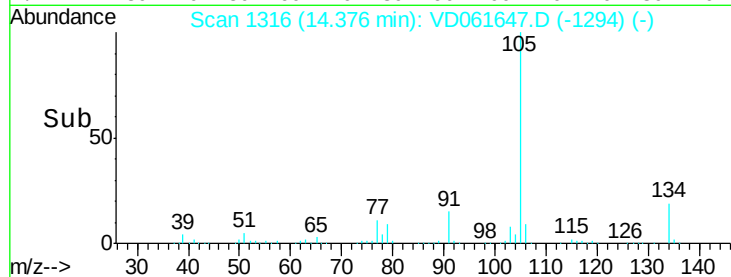
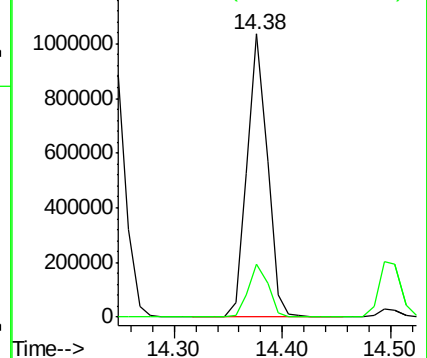
105 100

134 18.6 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.630 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

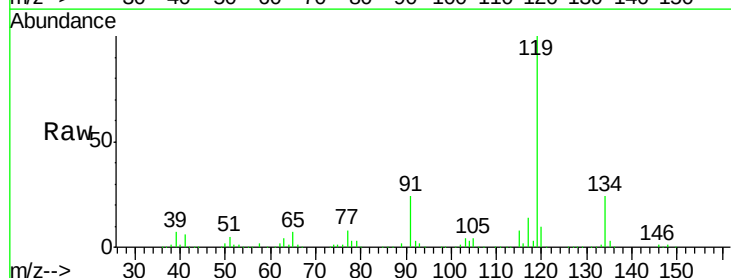
Tgt Ion:119 Resp: 1183663

Ion Ratio Lower Upper

119 100

134 23.8 12.5 37.5

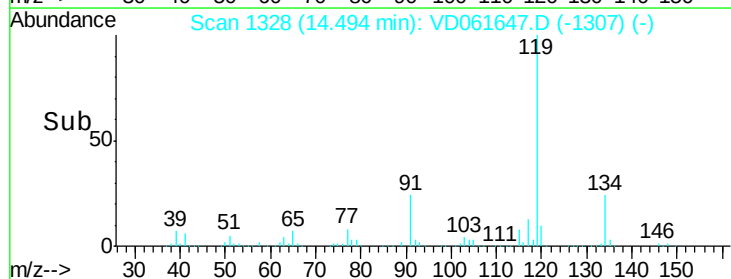
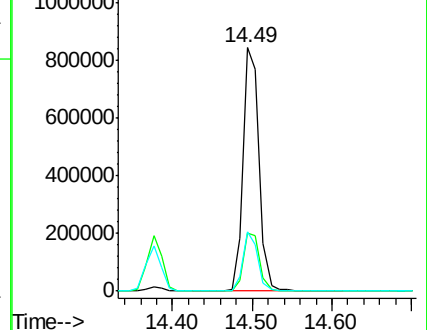
91 24.5 11.0 33.0

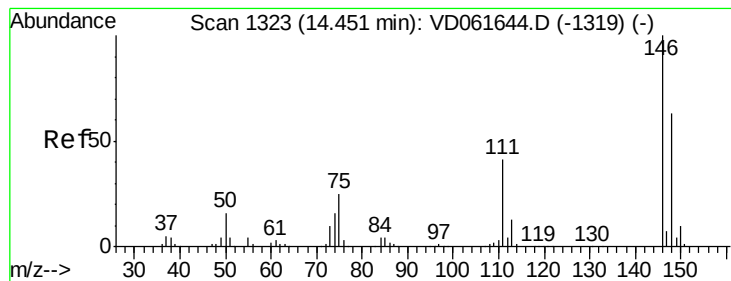


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.348 ug/l

RT: 14.46 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

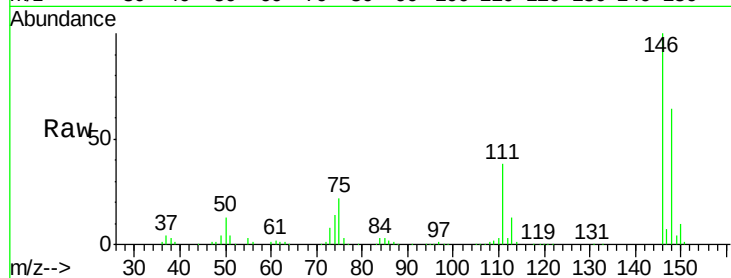
Tot Ion:146 Resp: 709630

Ion Ratio Lower Upper

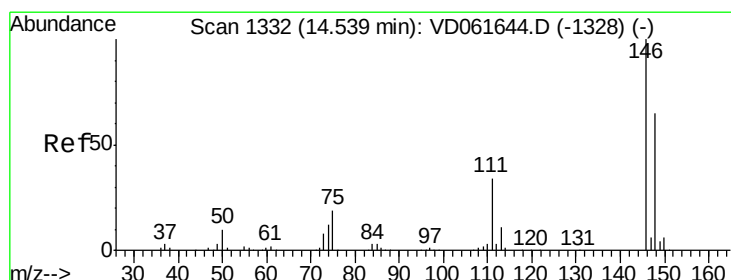
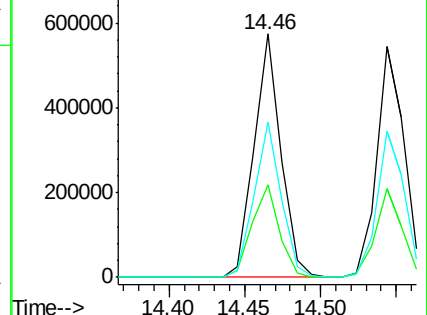
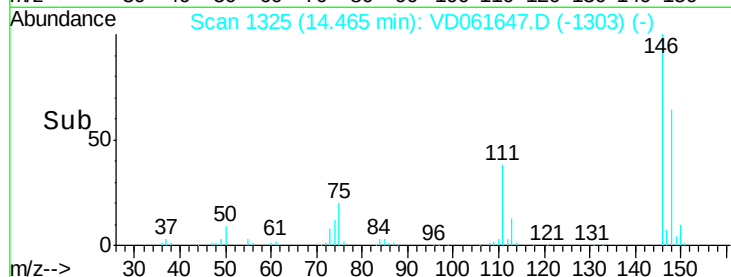
146 100

111 38.1 20.3 61.0

148 64.0 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 50.534 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VD061647.D

Acq: 8 Apr 2019 13:04

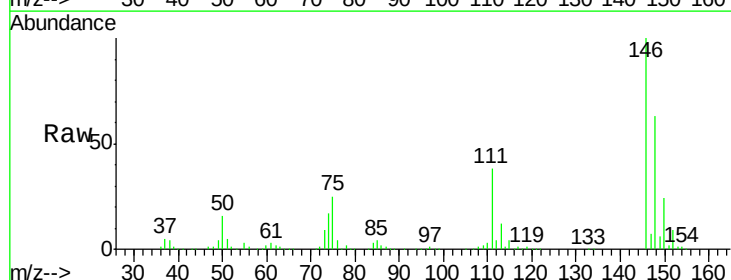
Tgt Ion:146 Resp: 691199

Ion Ratio Lower Upper

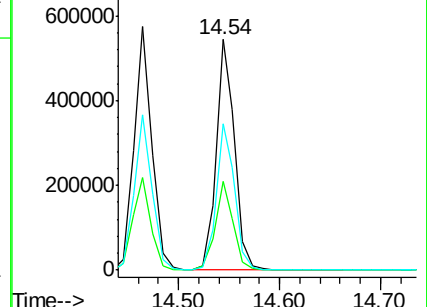
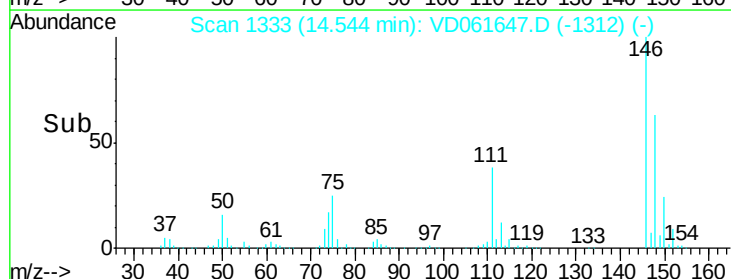
146 100

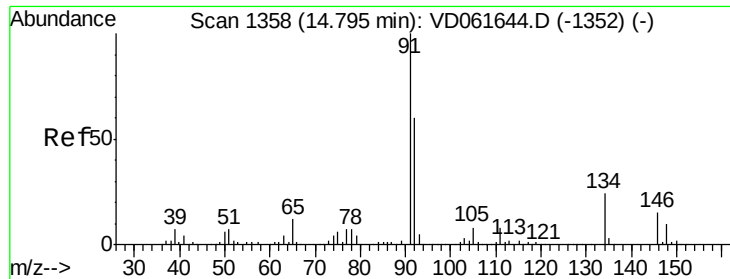
111 38.3 17.1 51.2

148 63.4 32.6 97.7



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

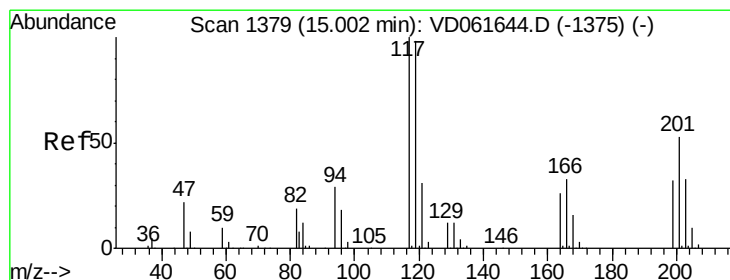
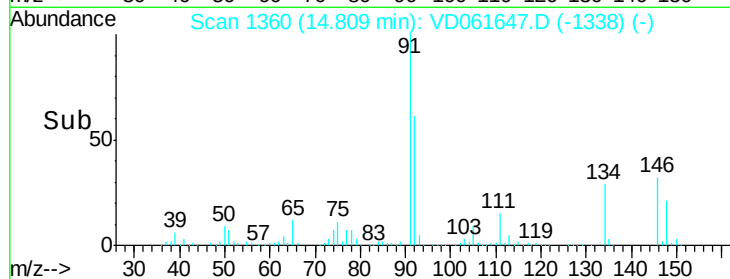
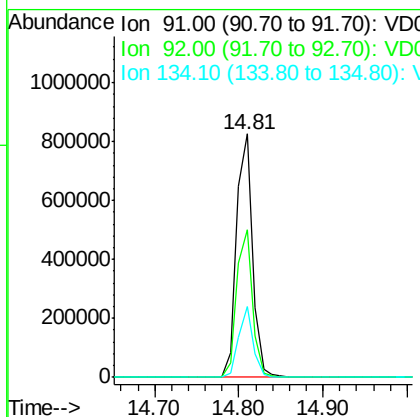
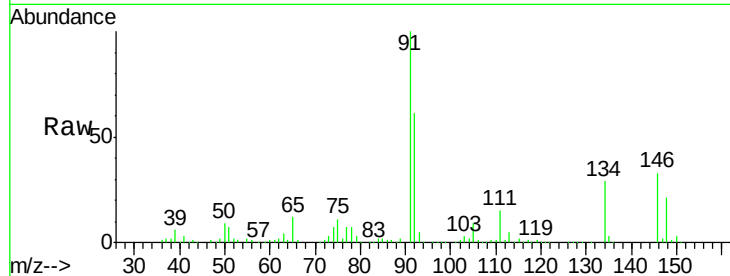




#89
n-Butylbenzene
Concen: 51.342 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

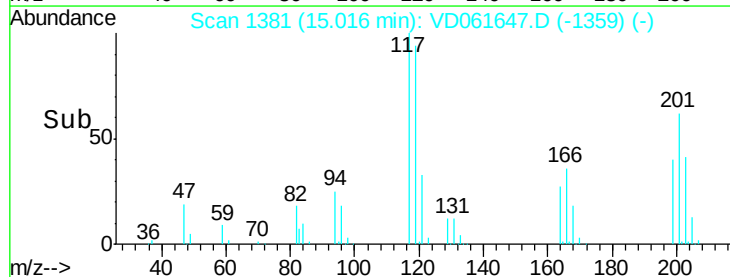
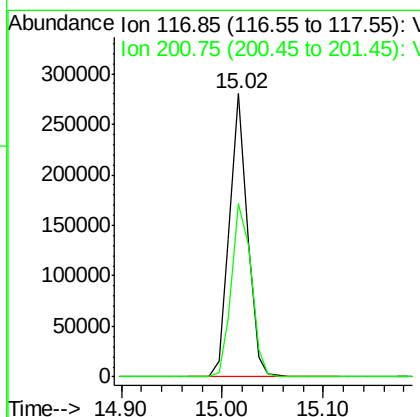
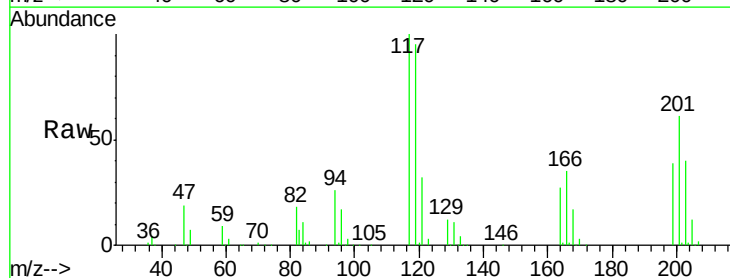
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

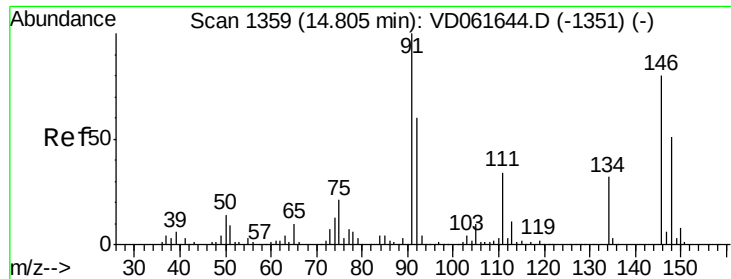
Tot Ion: 91 Resp: 1086206
Ion Ratio Lower Upper
91 100
92 60.8 29.8 89.4
134 29.2 12.2 36.4



#90
Hexachloroethane
Concen: 52.737 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion: 117 Resp: 348300
Ion Ratio Lower Upper
117 100
201 61.2 26.3 78.8

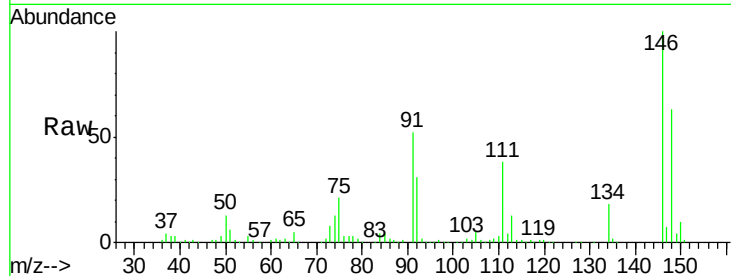




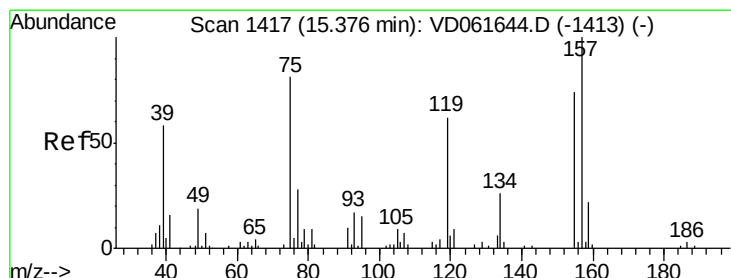
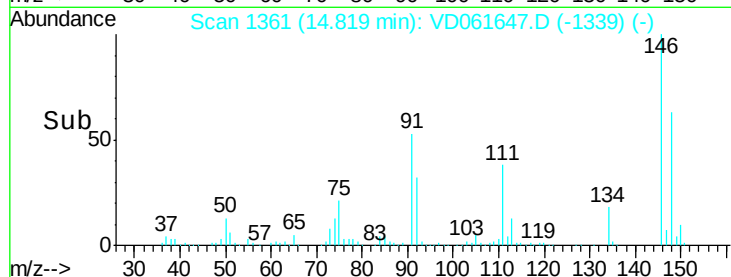
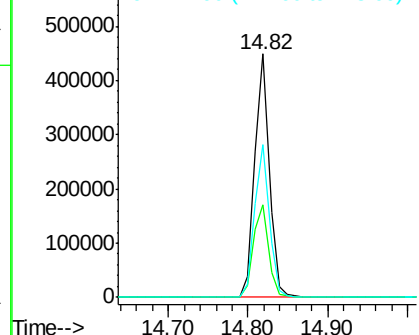
#91
 1,2-Dichlorobenzene
 Concen: 49.994 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 558552
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.1 63.3
 148 62.8 31.7 95.1

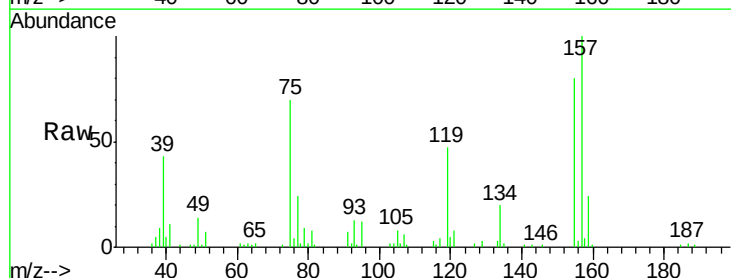


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

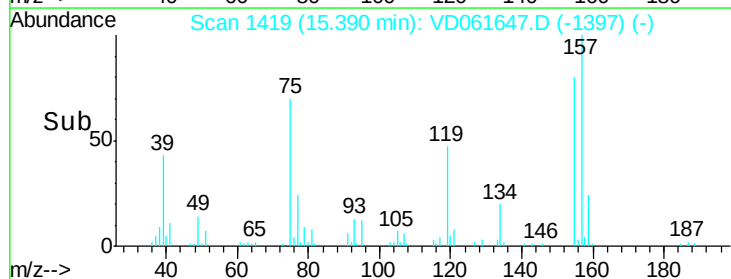
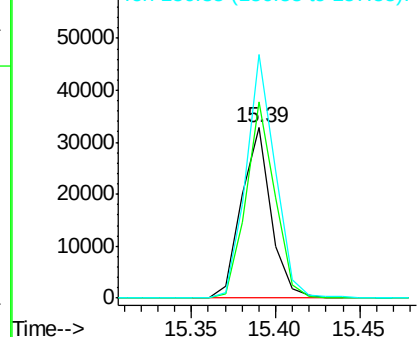


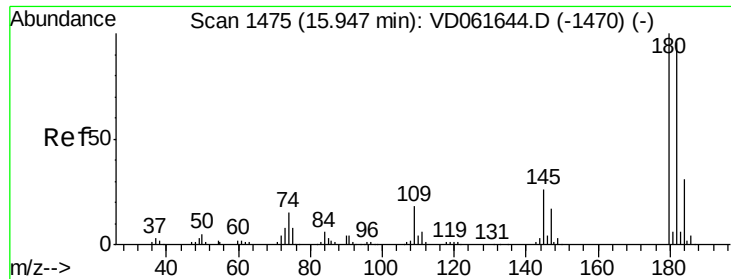
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.915 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion: 75 Resp: 39891
 Ion Ratio Lower Upper
 75 100
 155 115.2 45.6 136.7
 157 143.1 61.4 184.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

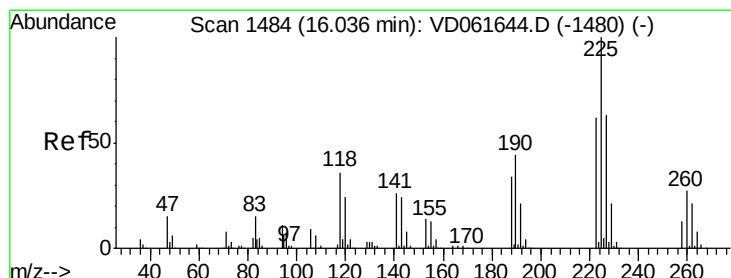
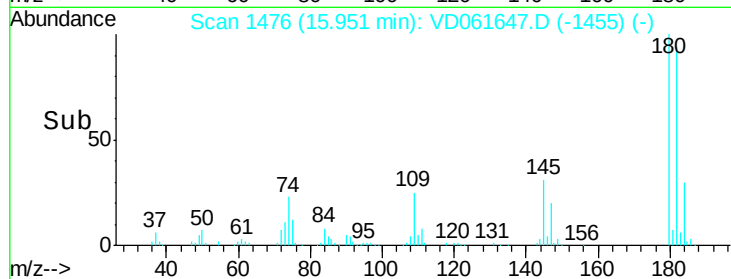
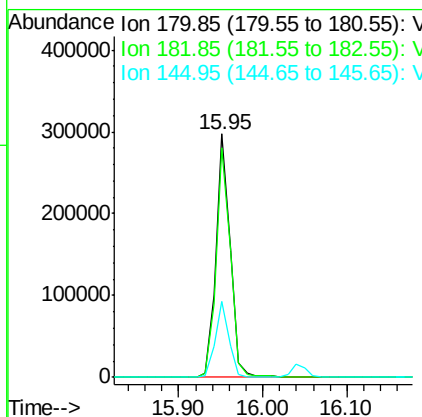
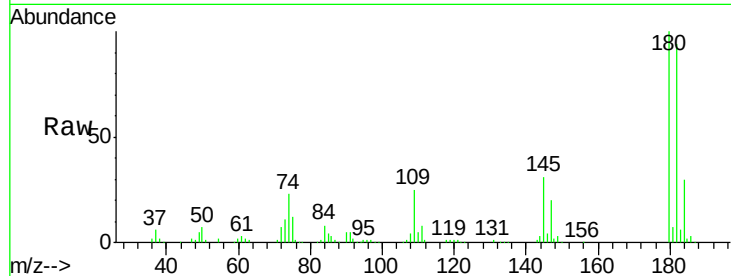




#93
 1,2,4-Trichlorobenzene
 Concen: 61.382 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

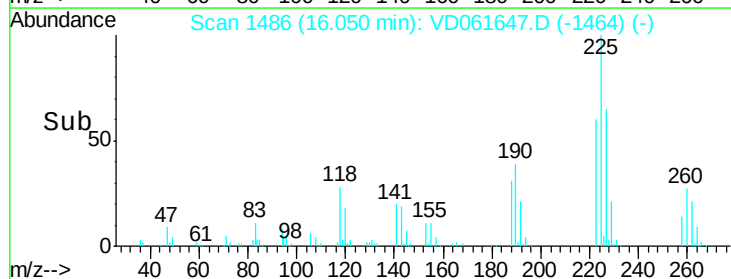
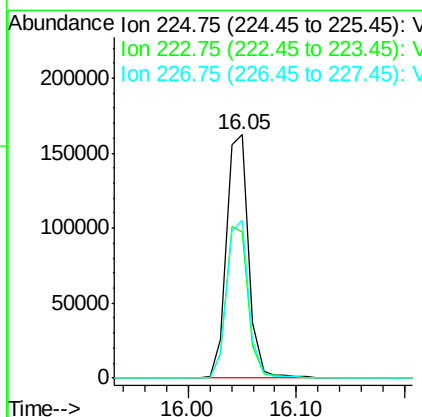
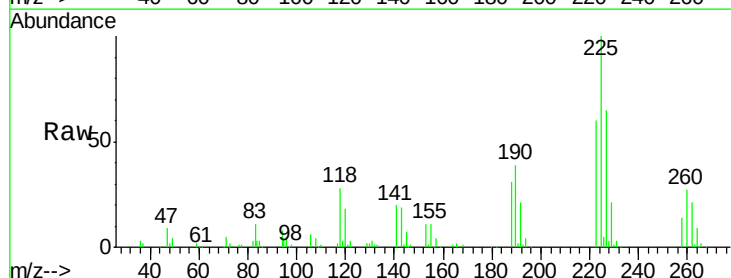
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

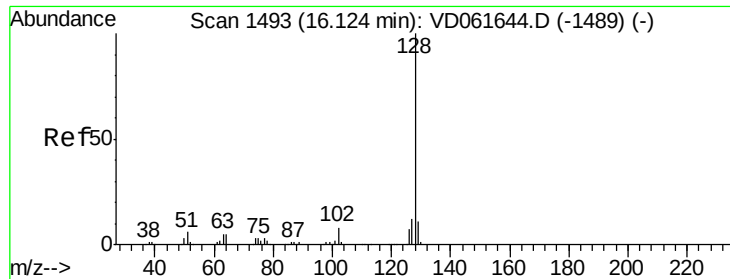
Tot Ion:180 Resp: 349391
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 31.3 13.3 39.8



#94
 Hexachlorobutadiene
 Concen: 52.971 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061647.D
 Acq: 8 Apr 2019 13:04

Tgt Ion:225 Resp: 232820
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.8 92.3
 227 64.6 31.5 94.5

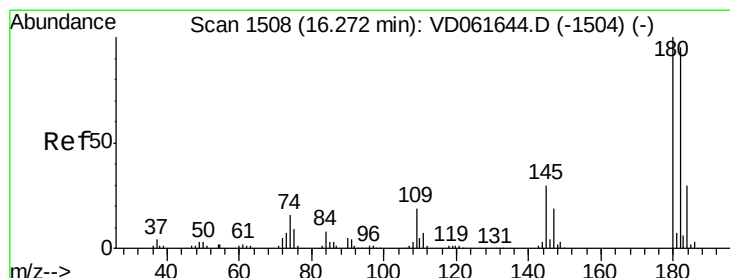
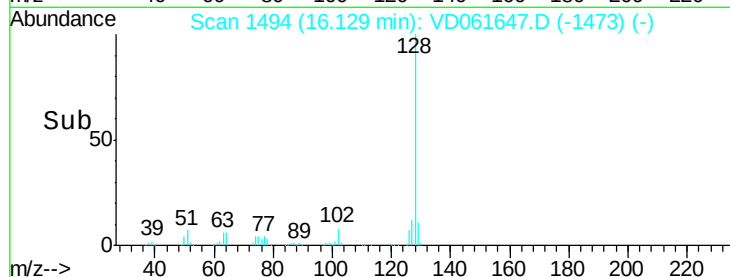
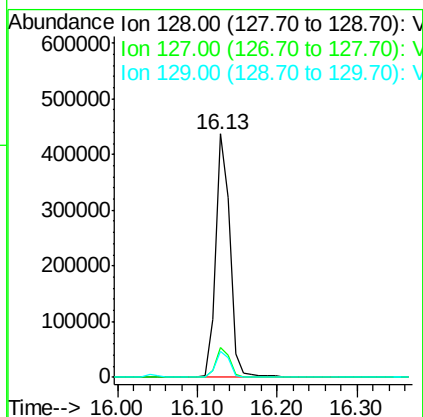
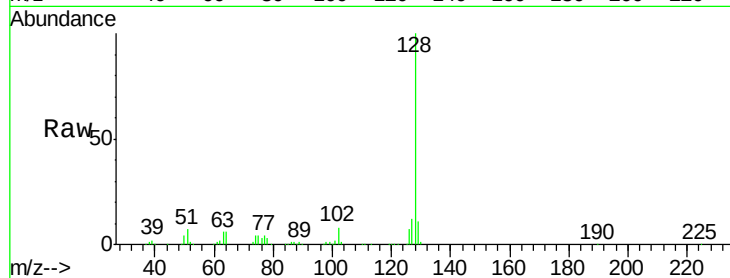




#95
Naphthalene
Concen: 61.275 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 551869
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 72.246 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061647.D
Acq: 8 Apr 2019 13:04

Tgt Ion:180 Resp: 205237
Ion Ratio Lower Upper
180 100
182 93.7 47.3 142.0
145 32.2 15.1 45.3

