

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061824.D
 Acq On : 16 Apr 2019 22:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 17 01:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	601202	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	1006097	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	808722	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	364347	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	263673	52.33	ug/l	-0.04
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	6.93	113	378870	49.84	ug/l	-0.04
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.41	98	904380	50.21	ug/l	-0.04
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	13.55	95	358240	49.08	ug/l	-0.03
Spiked Amount			Recovery	=	98.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	258592	44.069	ug/l	100
3) Chloromethane	1.76	50	211744	45.279	ug/l	92
4) Vinyl Chloride	1.86	62	205971	44.379	ug/l	99
5) Bromomethane	2.16	94	59258	57.613	ug/l	94
6) Chloroethane	2.28	64	73782	46.600	ug/l	98
7) Trichlorofluoromethane	2.54	101	318403	42.300	ug/l	97
8) Diethyl Ether	2.88	74	93612	47.454	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.17	101	294241	43.840	ug/l	98
10) Methyl Iodide	3.32	142	448384	42.421	ug/l	97
11) Tert butyl alcohol	4.06	59	70792	238.244	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	248217	43.991	ug/l	96
13) Acrolein	3.04	56	94049	326.948	ug/l	94
14) Allyl chloride	3.63	41	360954	46.932	ug/l	99
15) Acrylonitrile	4.20	53	207178	222.094	ug/l	98
16) Acetone	3.23	43	250307	201.562	ug/l	95
17) Carbon Disulfide	3.38	76	795265	43.622	ug/l	100
18) Methyl Acetate	3.64	43	108443	43.568	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	475217	45.130	ug/l	99
20) Methylene Chloride	3.83	84	293363	47.276	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	269524	43.465	ug/l	96
22) Diisopropyl ether	5.13	45	721701	43.899	ug/l	95
23) Vinyl Acetate	5.07	43	2056007	233.949	ug/l	97
24) 1,1-Dichloroethane	4.99	63	442044	44.348	ug/l	99
25) 2-Butanone	6.07	43	320592	226.760	ug/l	100
26) 2,2-Dichloropropane	6.03	77	378220	43.900	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	323009	48.052	ug/l	93
28) Bromochloromethane	6.45	49	200810	53.039	ug/l	94
29) Tetrahydrofuran	6.47	42	170458	247.514	ug/l	99
30) Chloroform	6.67	83	497817	44.777	ug/l	96
31) Cyclohexane	6.97	56	349668	45.825	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	439585	44.604	ug/l	97
36) 1,1-Dichloropropene	7.16	75	355265	43.212	ug/l	98
37) Ethyl Acetate	6.19	43	156771	44.554	ug/l	96
38) Carbon Tetrachloride	7.12	117	497812	47.953	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	372558	43.638	ug/l	96
40) Benzene	7.46	78	928150	47.024	ug/l	97
41) Methacrylonitrile	6.46	41	196345	47.210	ug/l	95
42) 1,2-Dichloroethane	7.59	62	314065	45.687	ug/l	99
43) Isopropyl Acetate	9.24	43	237834	48.031	ug/l #	99
44) Trichloroethene	8.54	130	348001	45.800	ug/l	98
45) 1,2-Dichloropropane	8.95	63	238700	46.428	ug/l	100
46) Dibromomethane	9.07	93	168637	46.034	ug/l	93
47) Bromodichloromethane	9.38	83	392218	46.409	ug/l	99
48) Methyl methacrylate	9.12	41	125280	43.042	ug/l	96
49) 1,4-Dioxane	9.08	88	29412	924.506	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	702922	232.132	ug/l	99
52) Toluene	10.51	92	568185	44.921	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	334804	43.965	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	386427	43.229	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	200910	47.139	ug/l	99
56) Ethyl methacrylate	11.04	69	222175	47.495	ug/l	99
57) 1,3-Dichloropropane	11.41	76	293317	45.777	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	491456	220.881	ug/l	99
59) 2-Hexanone	11.54	43	506139	225.045	ug/l	98
60) Dibromochloromethane	11.69	129	336115	48.196	ug/l	95
61) 1,2-Dibromoethane	11.81	107	242100	46.196	ug/l	99
64) Tetrachloroethene	11.26	164	270790	44.647	ug/l	97
65) Chlorobenzene	12.40	112	673823	44.739	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	286880	45.453	ug/l	97
67) Ethyl Benzene	12.53	91	1125949	46.682	ug/l	100
68) m/p-Xylenes	12.67	106	814444	89.894	ug/l	99
69) o-Xylene	13.05	106	387129	45.461	ug/l	99
70) Styrene	13.07	104	646680	44.129	ug/l	100
71) Bromoform	13.24	173	186013	49.650	ug/l #	98
73) Isopropylbenzene	13.41	105	1046269	44.279	ug/l	97
74) N-amyl acetate	13.27	43	291664	45.903	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	227806	48.774	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	230369	48.146	ug/l	97
77) Bromobenzene	13.67	156	322164	47.997	ug/l	94
78) n-propylbenzene	13.78	91	1373195	50.300	ug/l	96
79) 2-Chlorotoluene	13.84	91	736643	46.191	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	823794	43.938	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	62146	40.731	ug/l	97
82) 4-Chlorotoluene	13.95	91	788472	43.194	ug/l	94
83) tert-Butylbenzene	14.19	119	1004989	45.651	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	838729	44.504	ug/l	99
85) sec-Butylbenzene	14.37	105	1101739	48.411	ug/l	97
86) p-Isopropyltoluene	14.49	119	842905	39.585	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	556061	47.454	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	532140	45.941	ug/l	98
89) n-Butylbenzene	14.80	91	860586	45.658	ug/l	99
90) Hexachloroethane	15.01	117	276455	47.634	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	479164	48.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	31412	48.344	ug/l	90

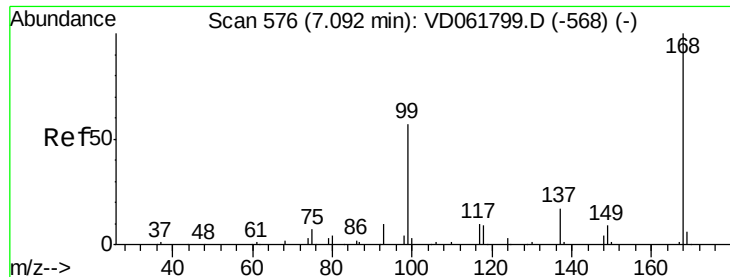
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	229435	42.560	ug/l	97
94) Hexachlorobutadiene	16.03	225	178815	45.771	ug/l	97
95) Naphthalene	16.12	128	380633	46.066	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	133462	43.443	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

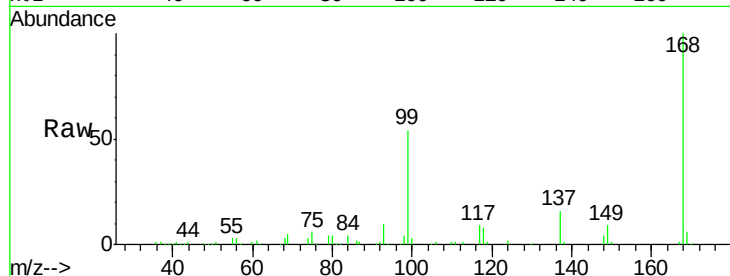
VSTDCCC050

Tot Ion:168 Resp: 601202

Ion Ratio Lower Upper

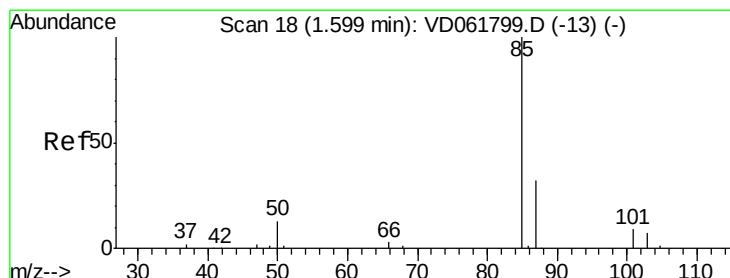
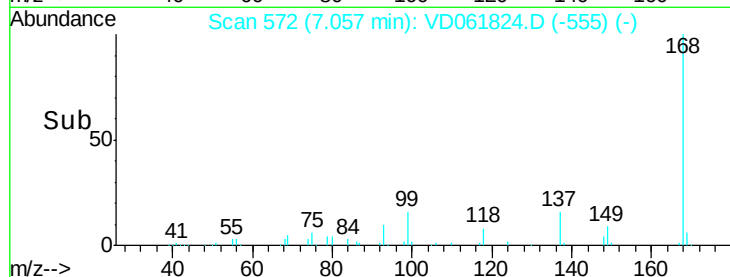
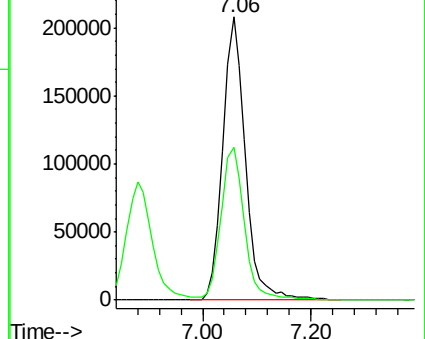
168 100

99 53.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.069 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061824.D

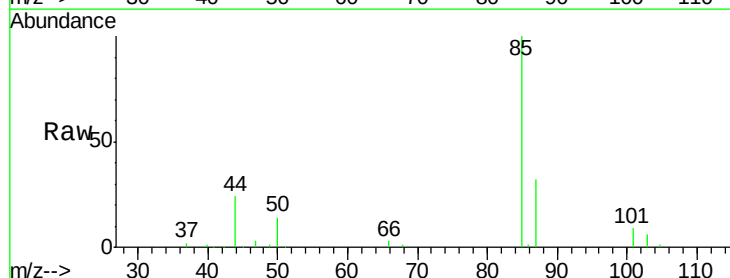
Acq: 16 Apr 2019 22:37

Tgt Ion: 85 Resp: 258592

Ion Ratio Lower Upper

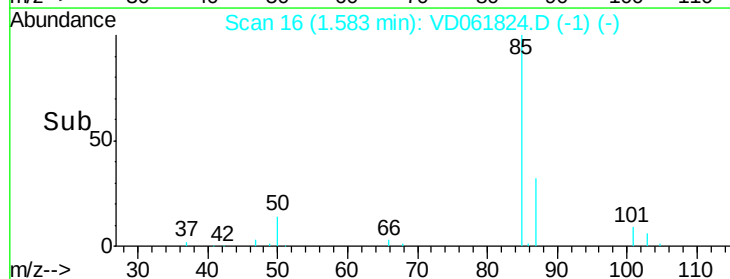
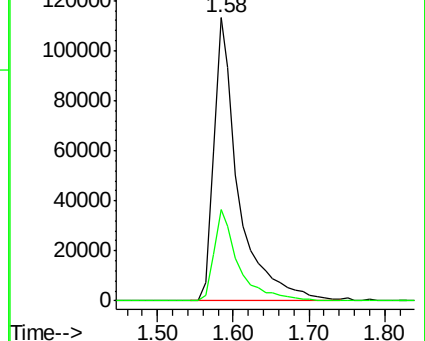
85 100

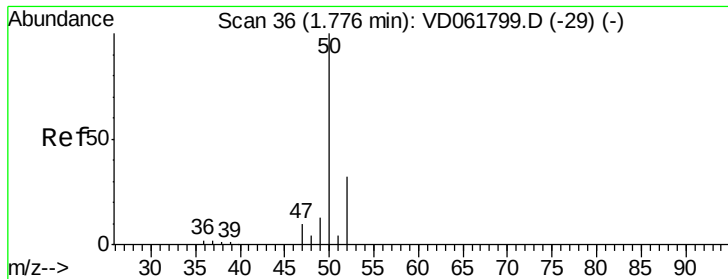
87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.279 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

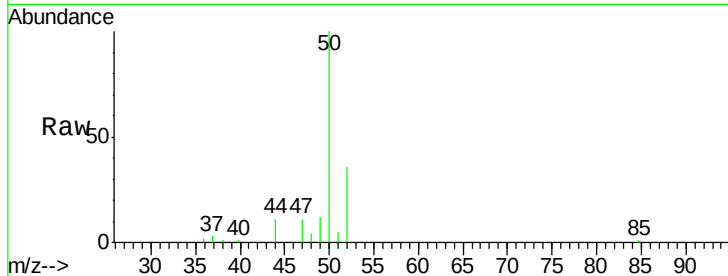
VSTDCCC050

Tot Ion: 50 Resp: 211744

Ion Ratio Lower Upper

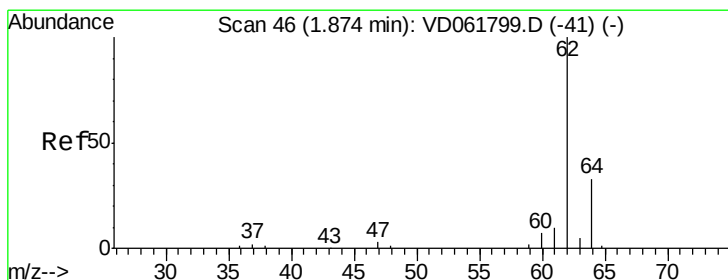
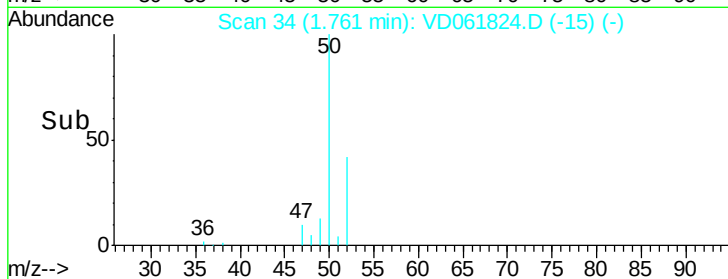
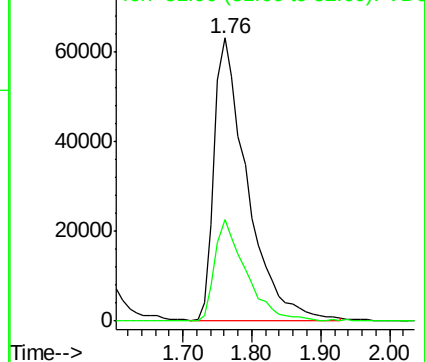
50 100

52 35.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.379 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.02 min

Lab File: VD061824.D

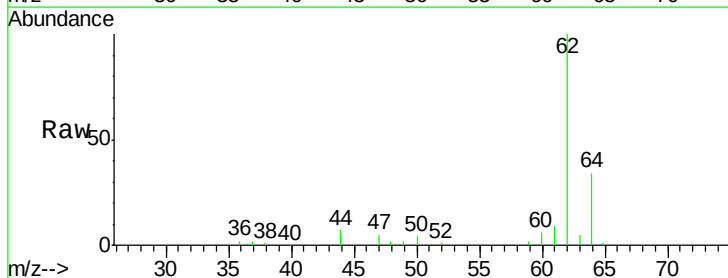
Acq: 16 Apr 2019 22:37

Tgt Ion: 62 Resp: 205971

Ion Ratio Lower Upper

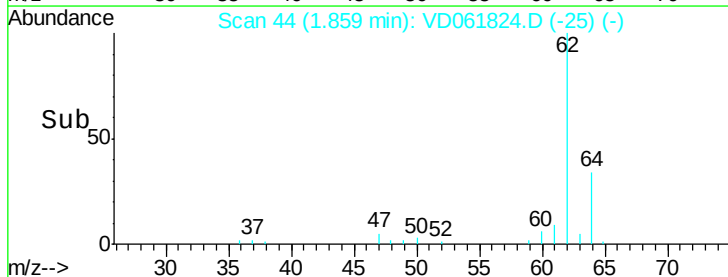
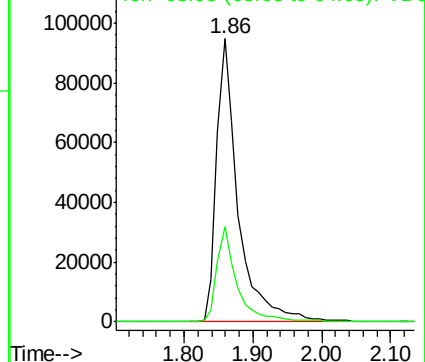
62 100

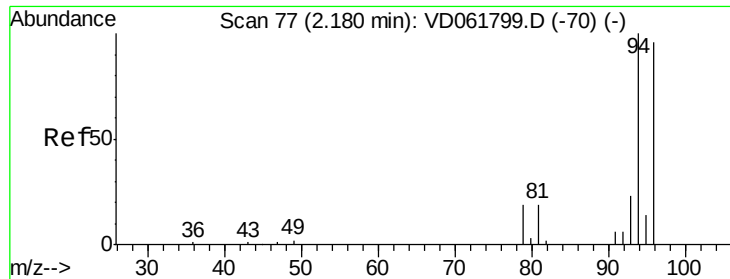
64 33.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

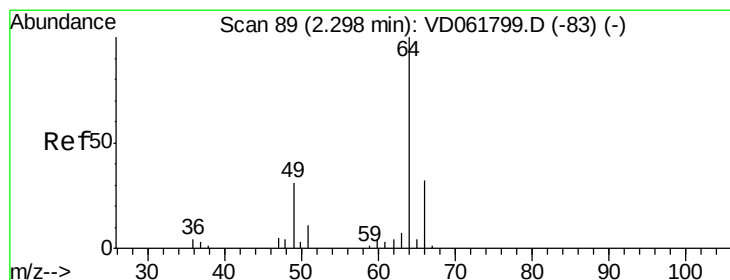
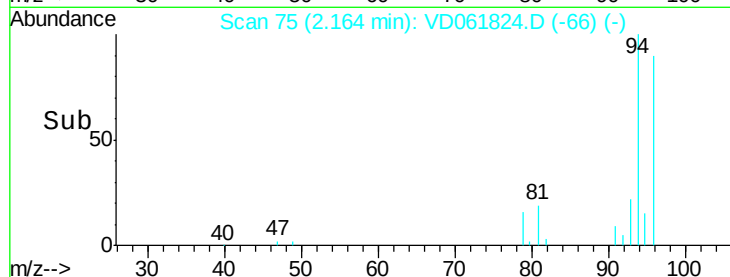
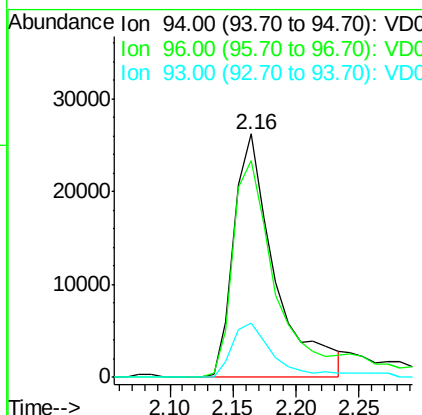
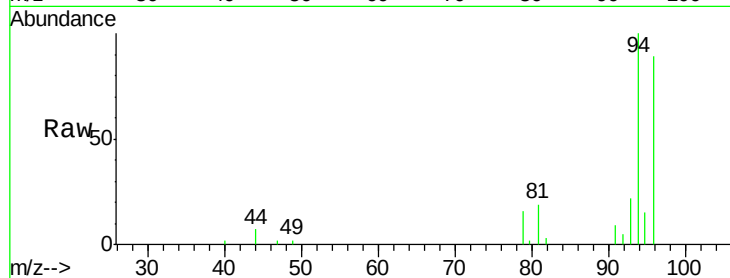




#5
Bromomethane
Concen: 57.613 ug/l
RT: 2.16 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

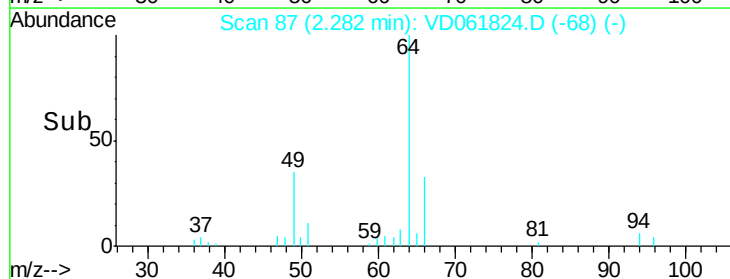
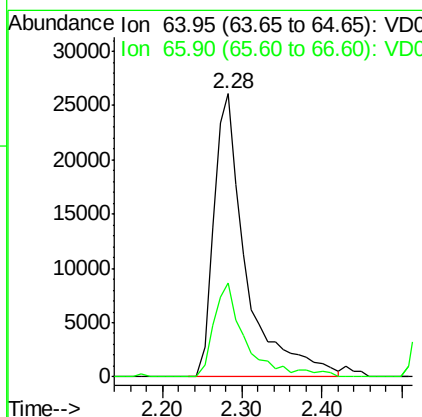
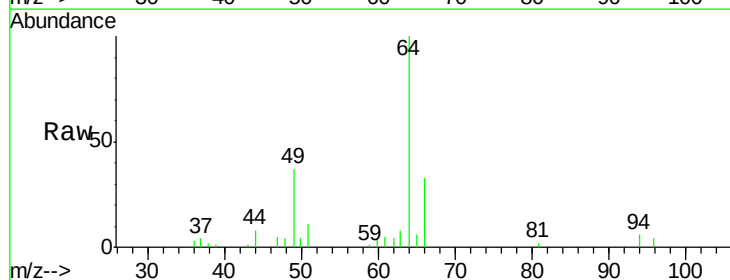
Instrument :
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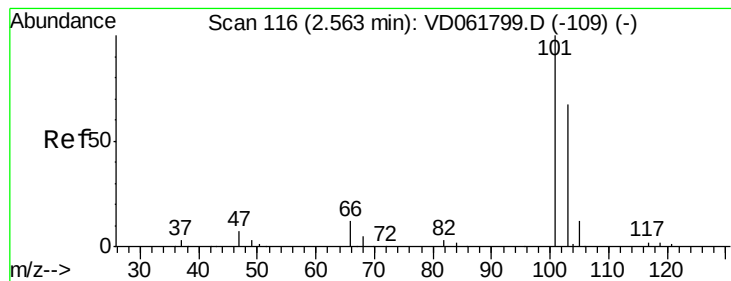
Tot Ion: 94 Resp: 59258
Ion Ratio Lower Upper
94 100
96 89.0 76.6 115.0
93 22.1 18.5 27.7



#6
Chloroethane
Concen: 46.600 ug/l
RT: 2.28 min Scan# 87
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 64 Resp: 73782
Ion Ratio Lower Upper
64 100
66 33.2 25.6 38.4



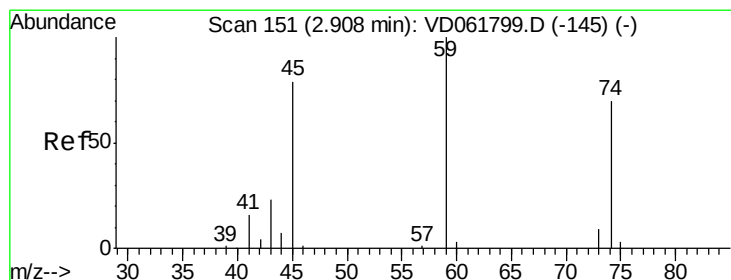
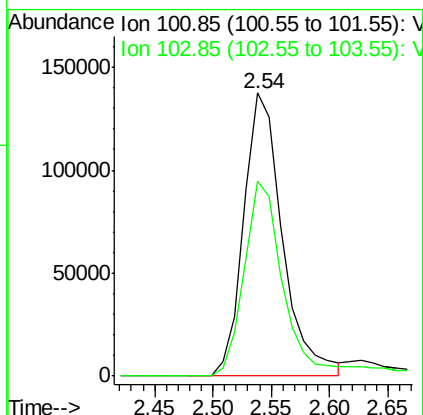
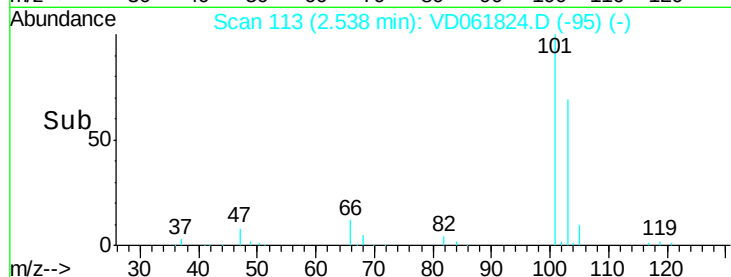
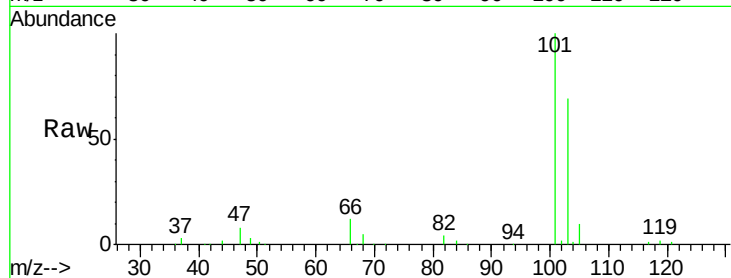


#7

Trichlorofluoromethane
Concen: 42.300 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

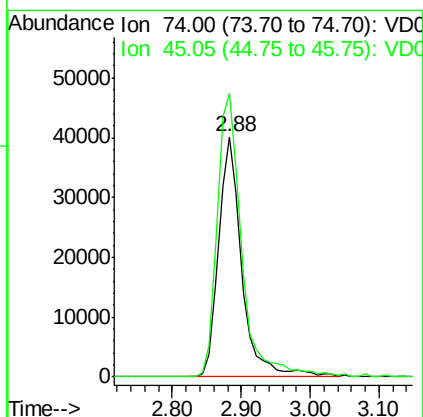
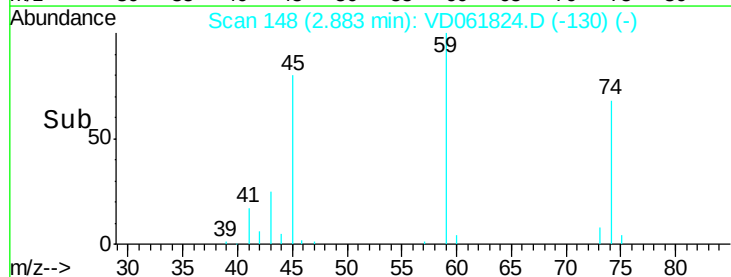
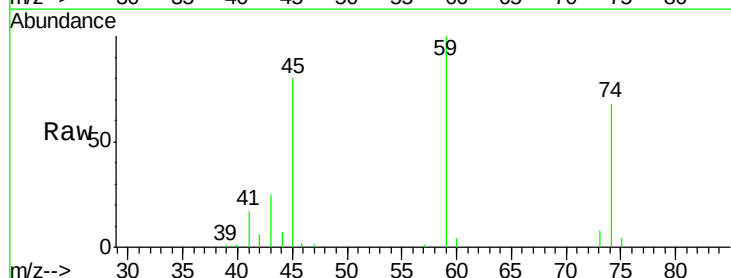
Tot Ion:101 Resp: 318403
Ion Ratio Lower Upper
101 100
103 69.1 53.6 80.4

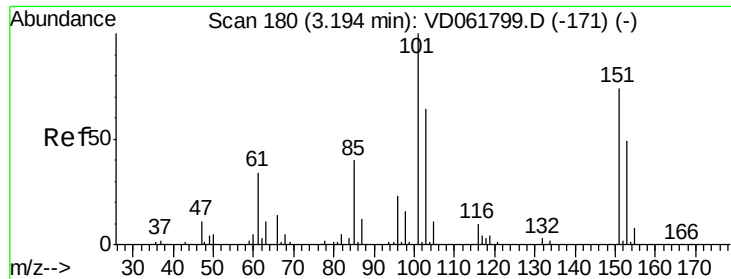


#8

Diethyl Ether
Concen: 47.454 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 74 Resp: 93612
Ion Ratio Lower Upper
74 100
45 117.8 56.9 170.7

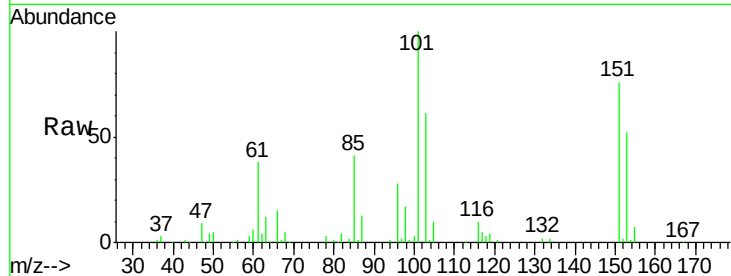




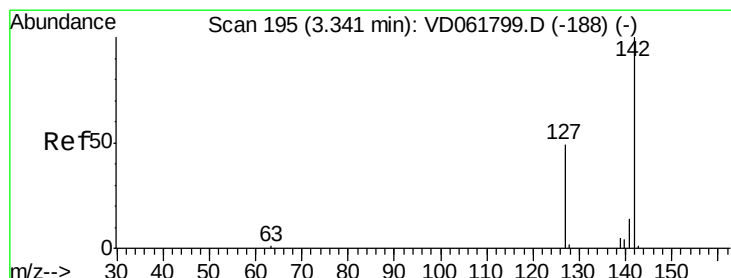
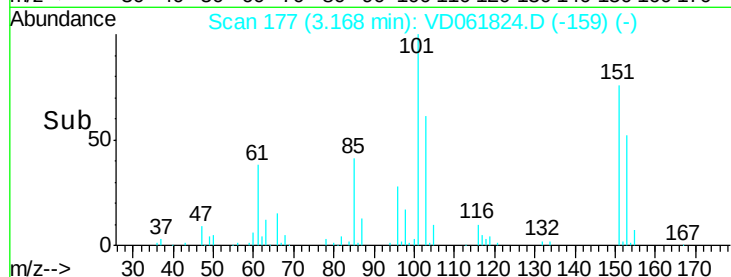
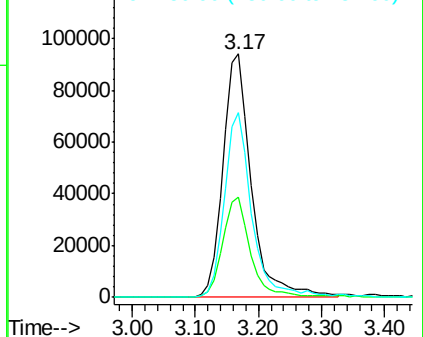
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.840 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. -0.03 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 294241
 Ion Ratio Lower Upper
 101 100
 85 41.3 32.4 48.6
 151 76.0 59.4 89.0

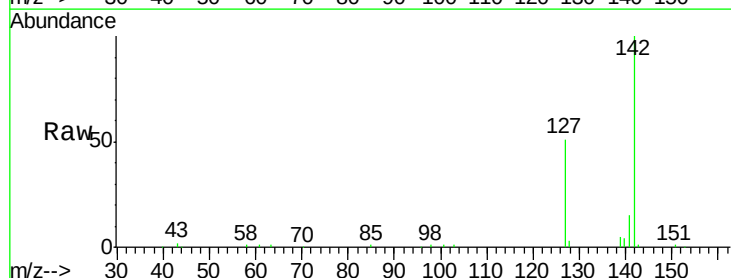


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

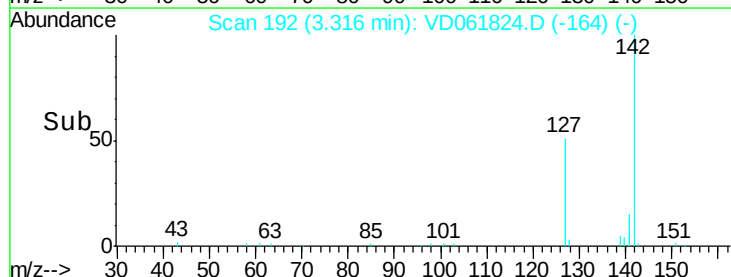
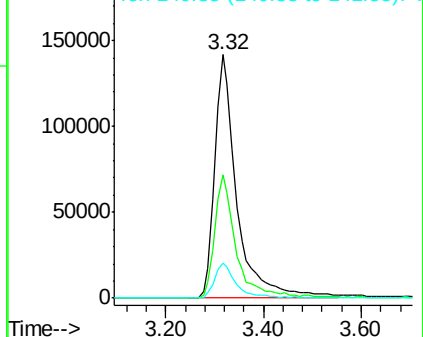


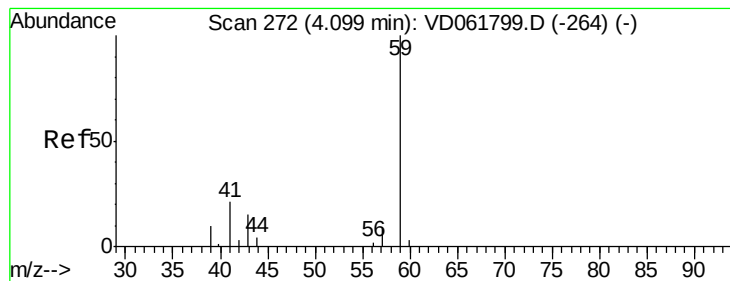
#10
 Methyl Iodide
 Concen: 42.421 ug/l
 RT: 3.32 min Scan# 192
 Delta R.T. -0.03 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion:142 Resp: 448384
 Ion Ratio Lower Upper
 142 100
 127 50.7 38.8 58.2
 141 14.5 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V



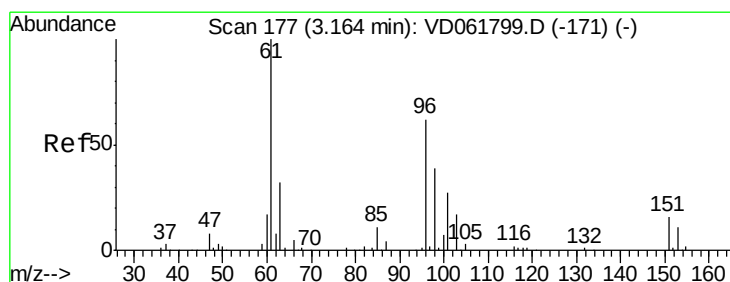
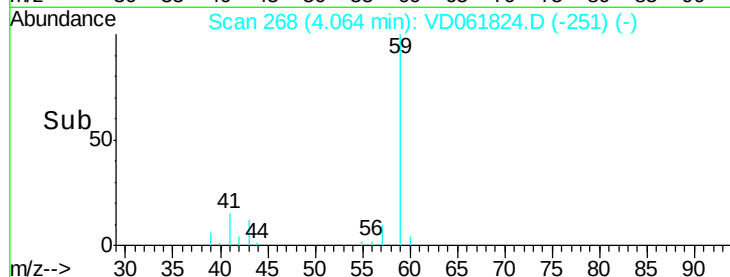
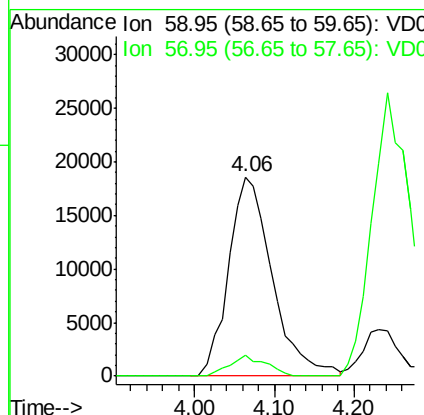
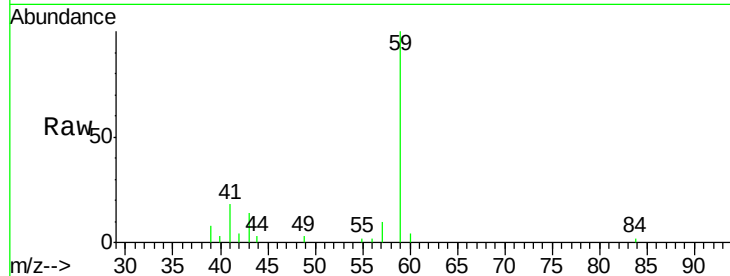


#11

Tert butyl alcohol
Concen: 238.244 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

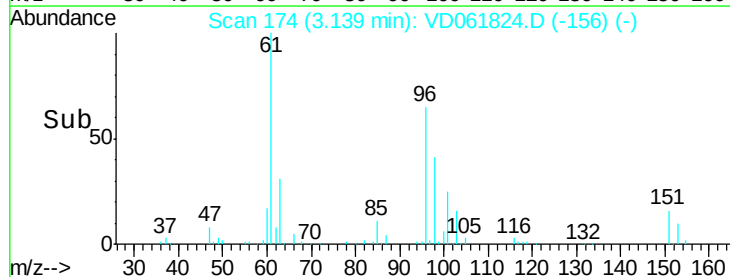
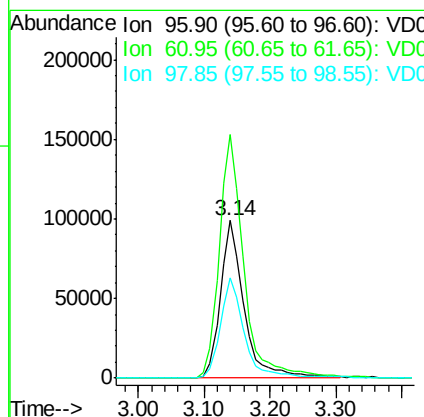
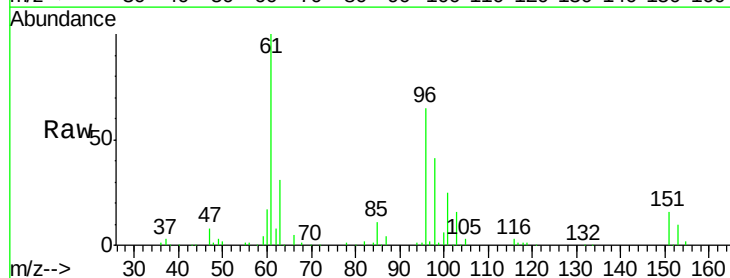
Tot Ion: 59 Resp: 70792
Ion Ratio Lower Upper
59 100
57 10.3 6.9 10.3#

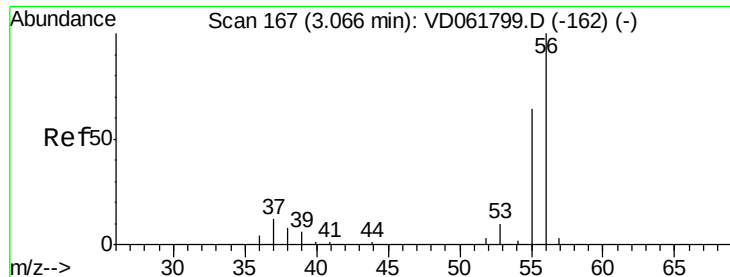


#12

1,1-Dichloroethene
Concen: 43.991 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 96 Resp: 248217
Ion Ratio Lower Upper
96 100
61 154.8 129.8 194.8
98 63.5 51.2 76.8

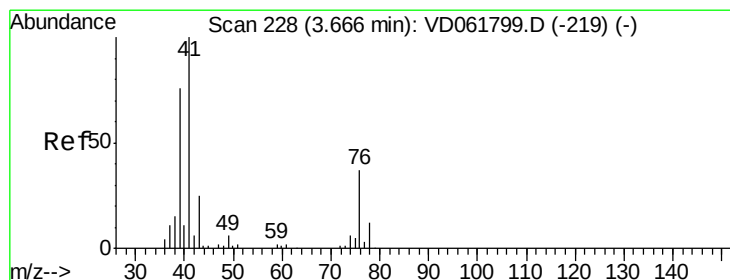
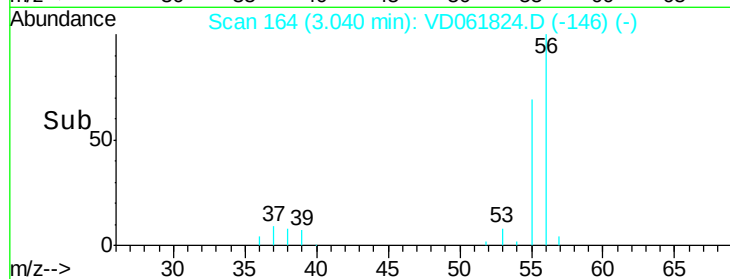
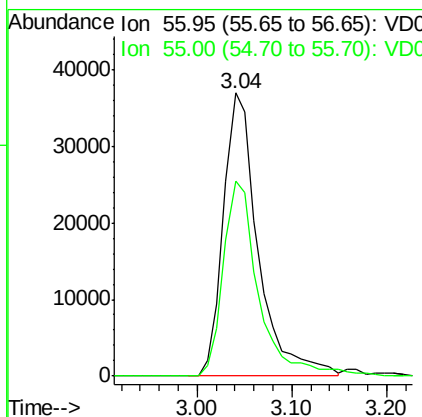
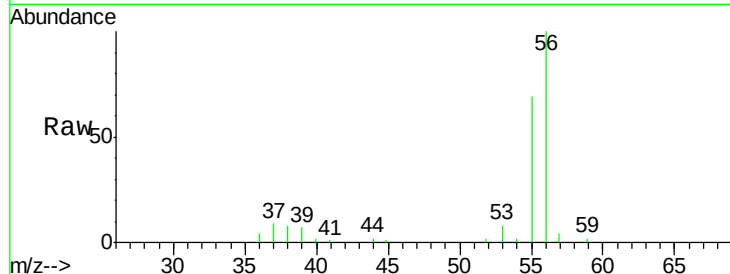




#13
 Acrolein
 Concen: 326.948 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.03 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

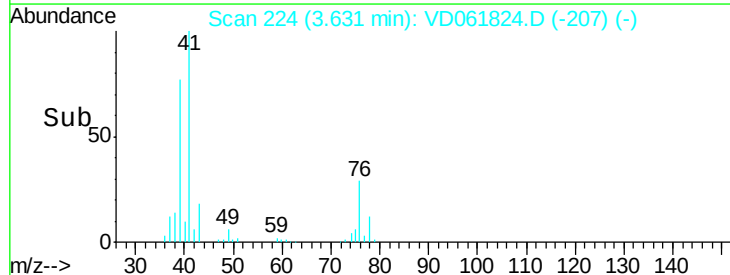
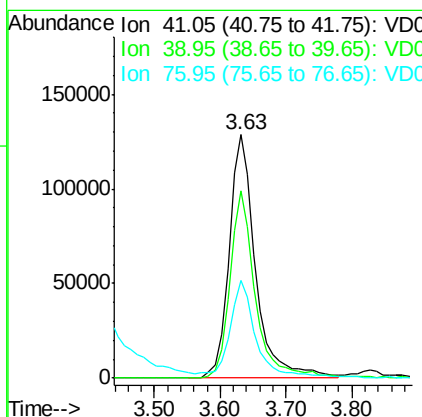
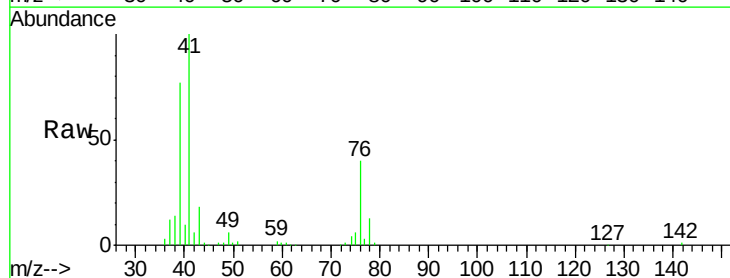
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

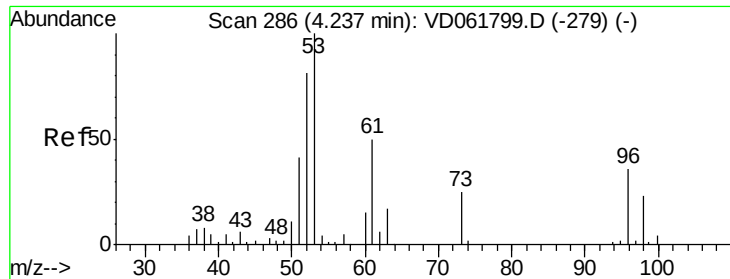
Tot Ion: 56 Resp: 94049
 Ion Ratio Lower Upper
 56 100
 55 69.0 51.4 77.2



#14
 Allyl chloride
 Concen: 46.932 ug/l
 RT: 3.63 min Scan# 224
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 41 Resp: 360954
 Ion Ratio Lower Upper
 41 100
 39 77.1 60.5 90.7
 76 40.3 31.8 47.8





#15

Acrylonitrile

Concen: 222.094 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

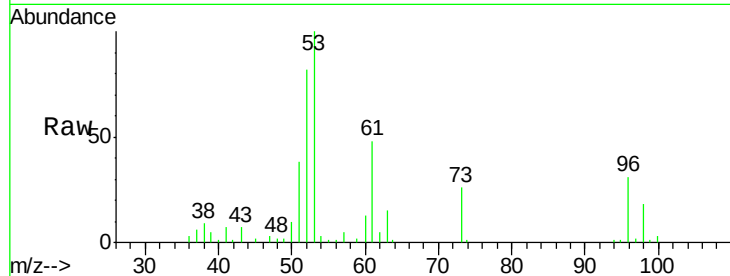
Tot Ion: 53 Resp: 207178

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.4

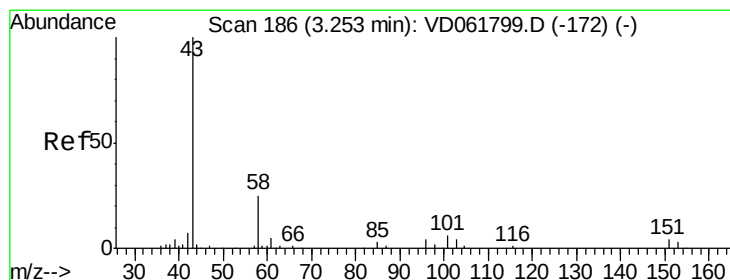
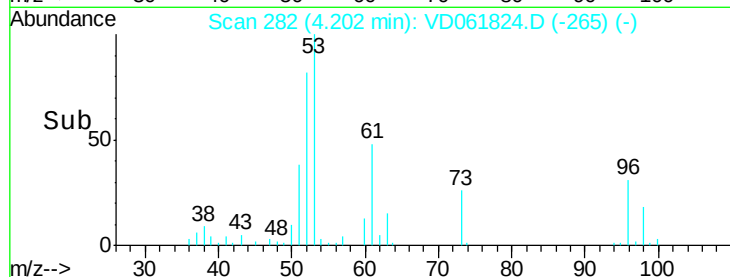
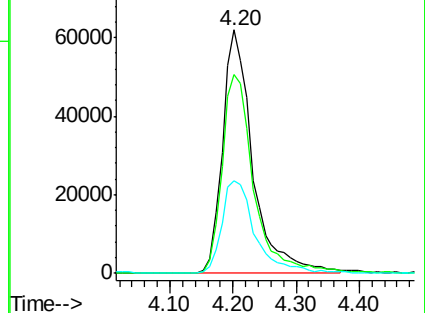
51 38.3 32.6 48.8



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: 201.562 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061824.D

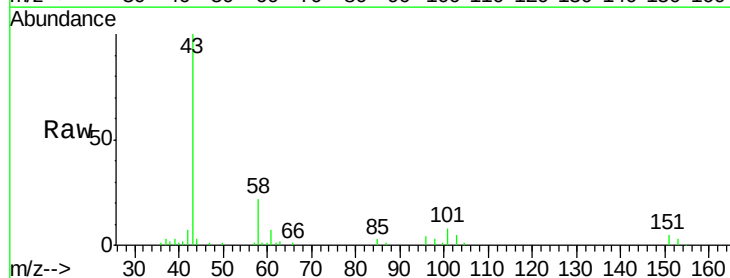
Acq: 16 Apr 2019 22:37

Tgt Ion: 43 Resp: 250307

Ion Ratio Lower Upper

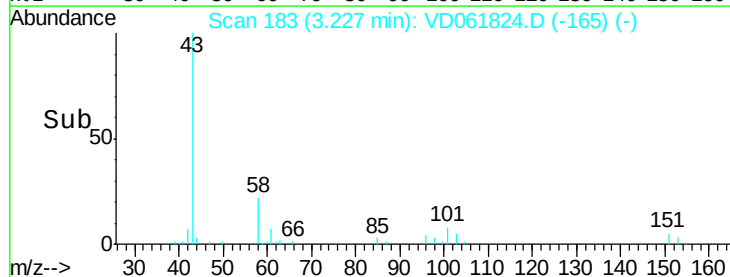
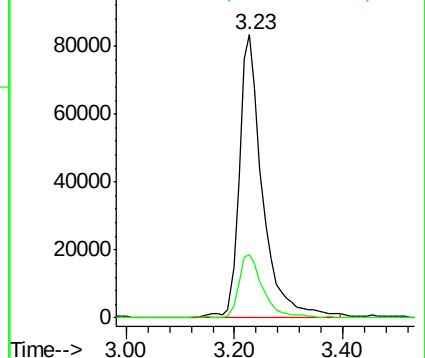
43 100

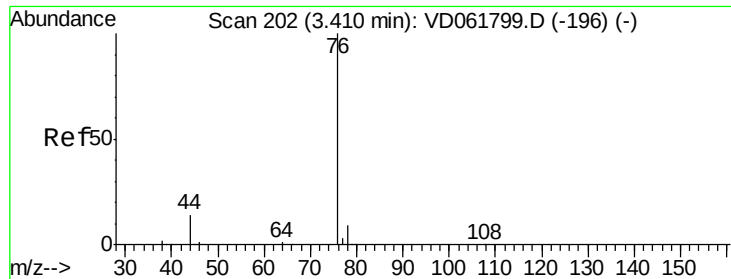
58 22.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 43.622 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.03 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

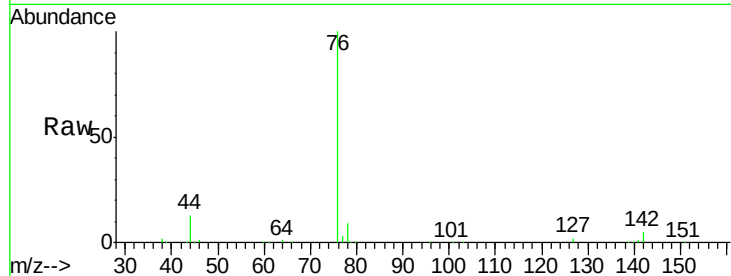
VSTDCCC050

Tot Ion: 76 Resp: 795265

Ion Ratio Lower Upper

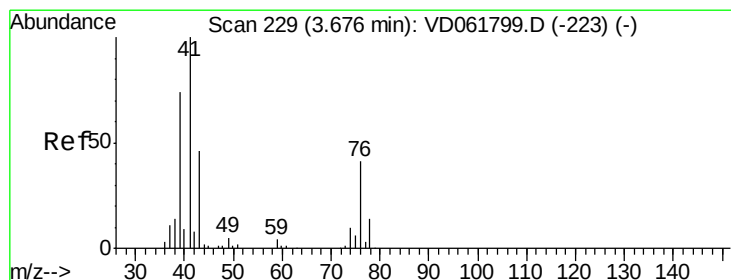
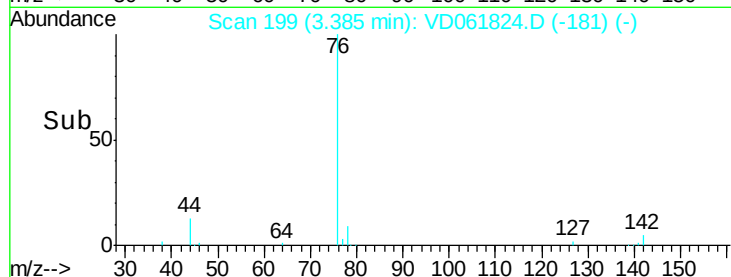
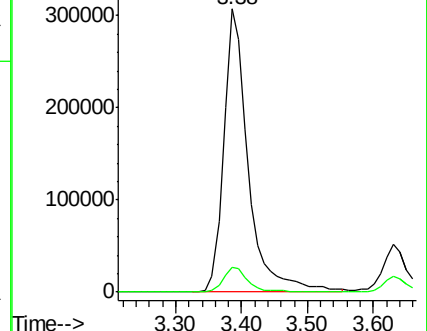
76 100

78 9.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 43.568 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.04 min

Lab File: VD061824.D

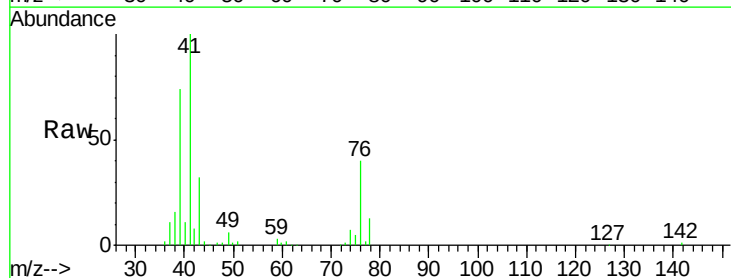
Acq: 16 Apr 2019 22:37

Tgt Ion: 43 Resp: 108443

Ion Ratio Lower Upper

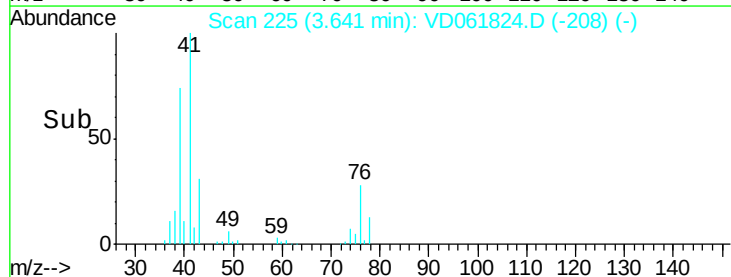
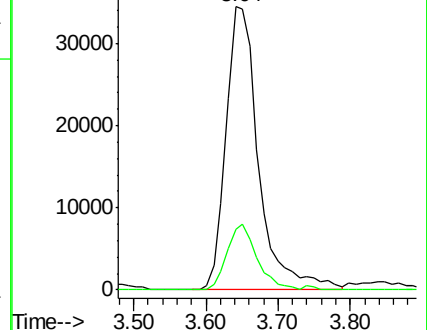
43 100

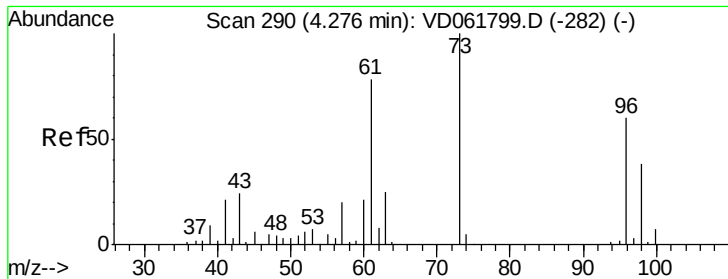
74 21.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

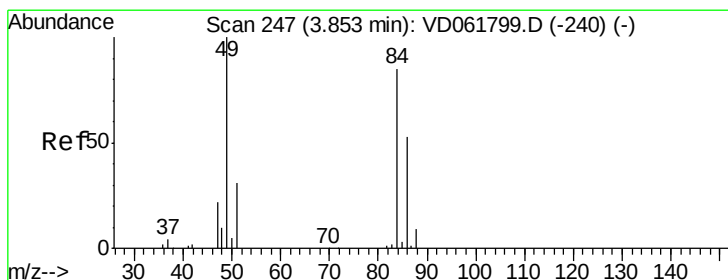
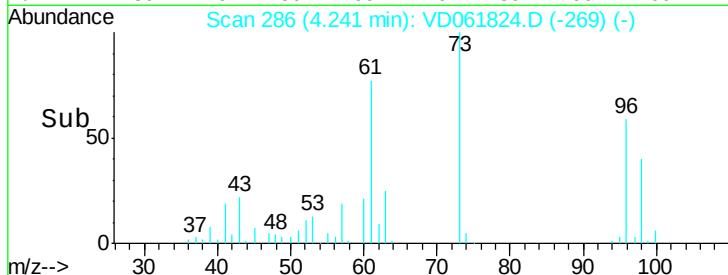
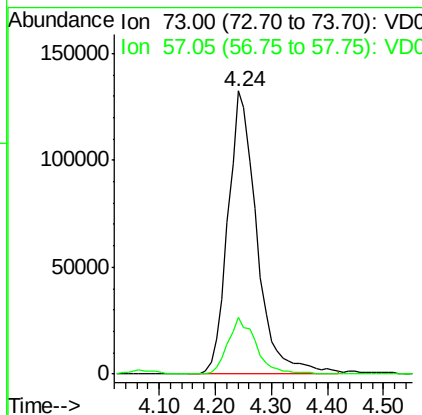
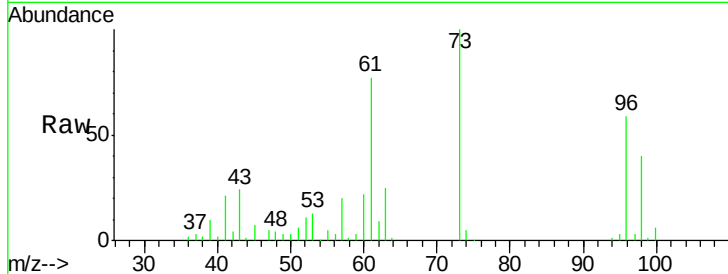




#19
Methyl tert-butyl Ether
Concen: 45.130 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

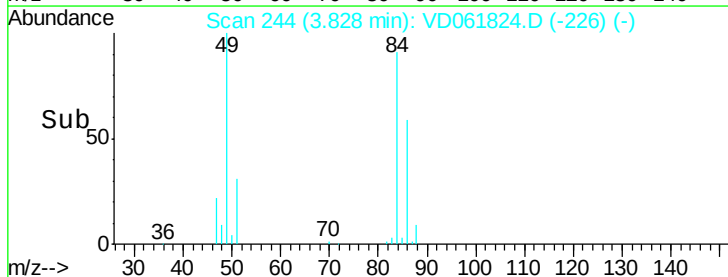
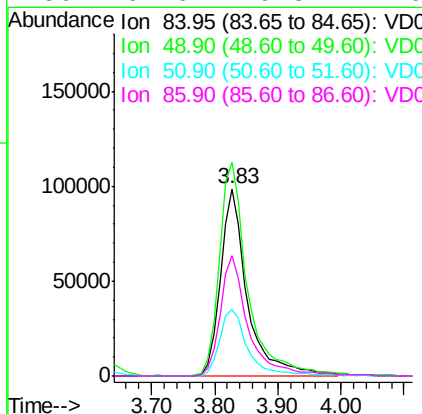
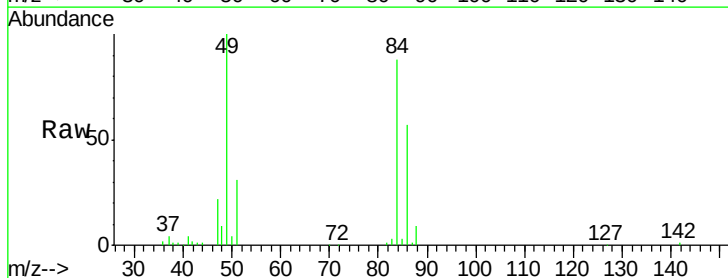
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

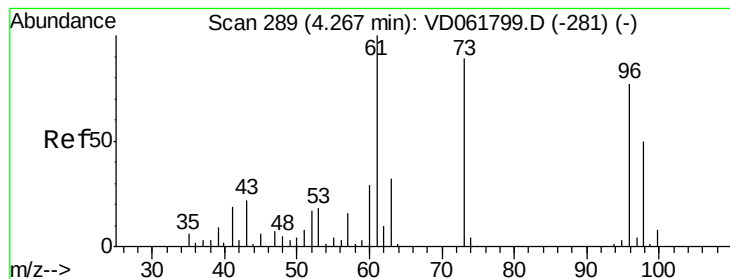
Tot Ion: 73 Resp: 475217
Ion Ratio Lower Upper
73 100
57 20.0 16.3 24.5



#20
Methylene Chloride
Concen: 47.276 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 84 Resp: 293363
Ion Ratio Lower Upper
84 100
49 114.2 94.0 141.0
51 35.6 29.0 43.4
86 64.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 43.465 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

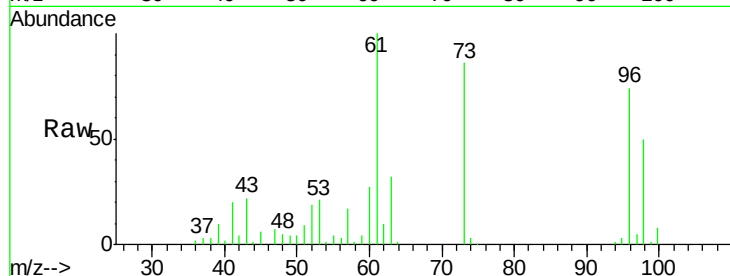
Tot Ion: 96 Resp: 269524

Ion Ratio Lower Upper

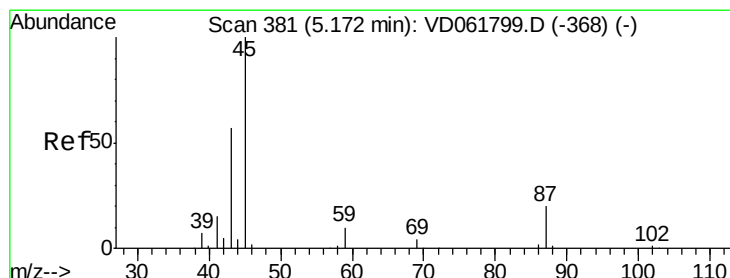
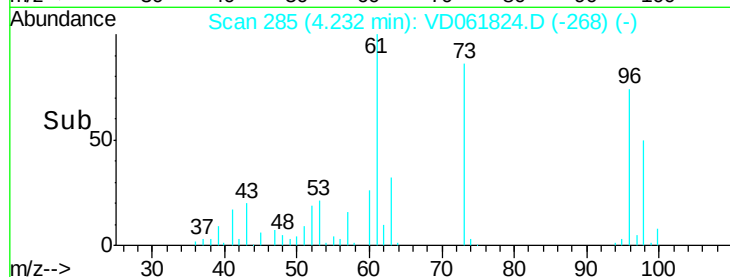
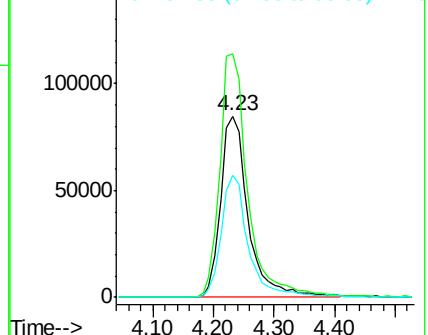
96 100

61 134.6 104.4 156.6

98 67.6 51.8 77.8



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



#22

Diisopropyl ether

Concen: 43.899 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Tgt Ion: 45 Resp: 721701

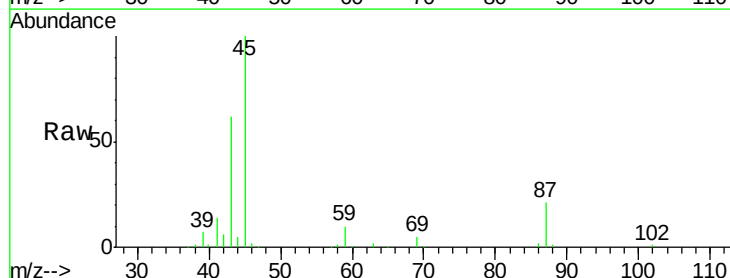
Ion Ratio Lower Upper

45 100

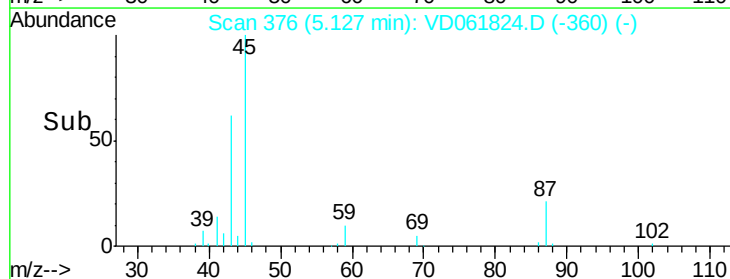
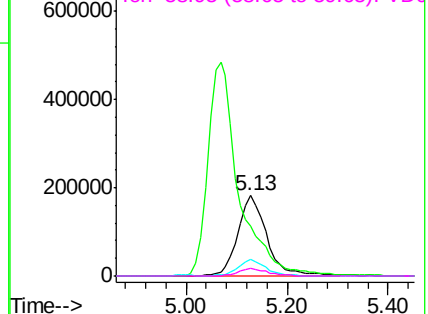
43 62.1 46.2 69.2

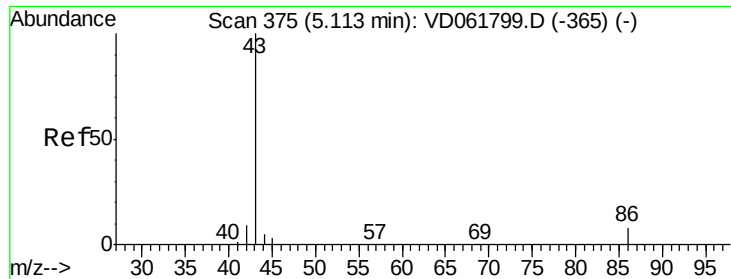
87 21.2 15.9 23.9

59 10.3 7.9 11.9



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: 233.949 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampled :

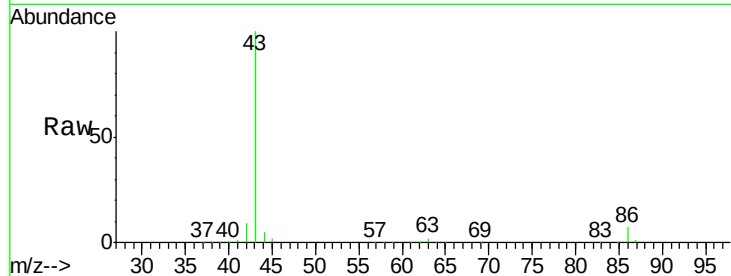
VSTDCCC050

Tot Ion: 43 Resp: 2056007

Ion Ratio Lower Upper

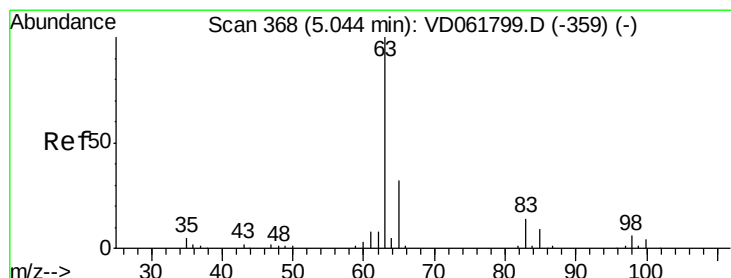
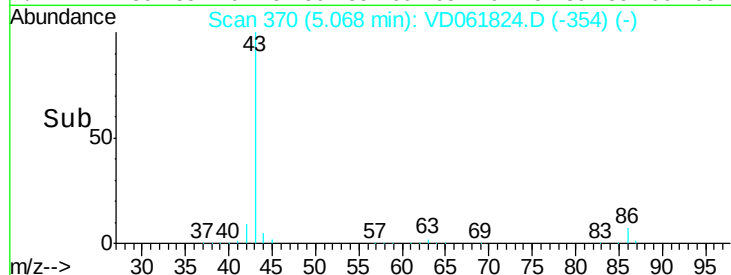
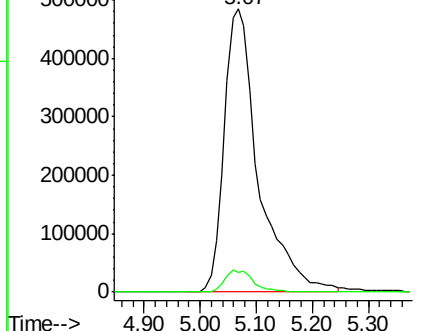
43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.348 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.05 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

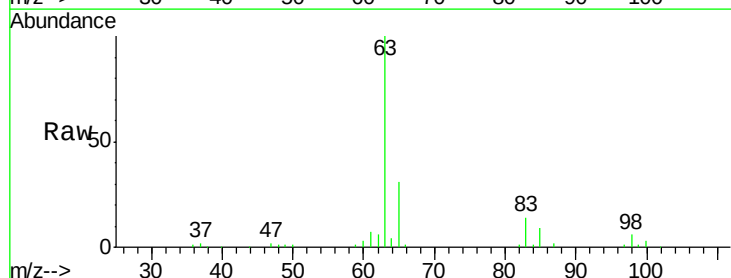
Tgt Ion: 63 Resp: 442044

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

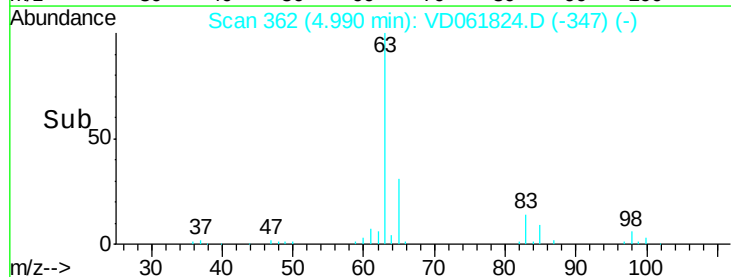
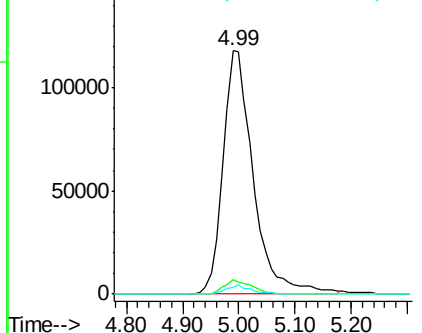
100 2.8 1.8 5.5

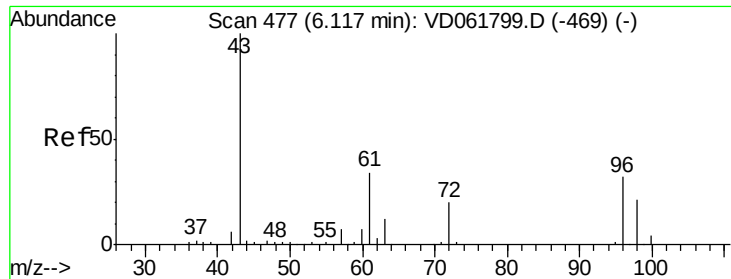


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 226.760 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

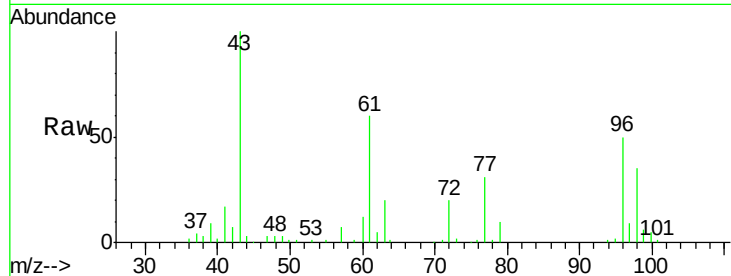
VSTDCCC050

Tot Ion: 43 Resp: 320592

Ion Ratio Lower Upper

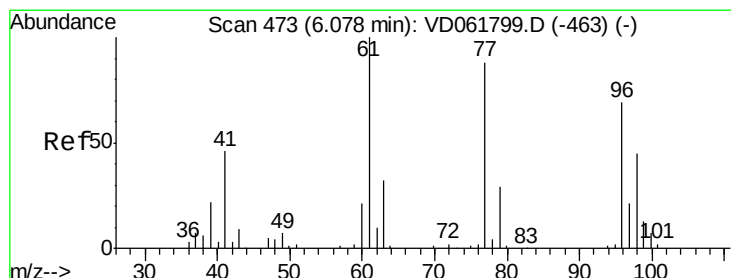
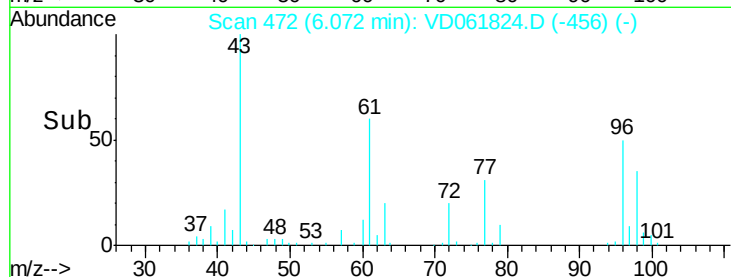
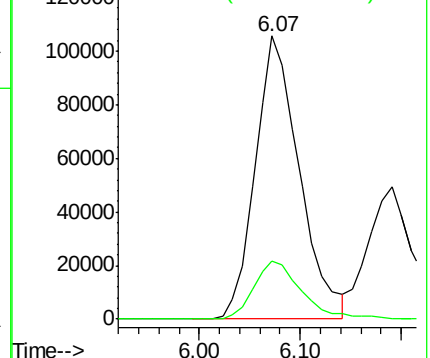
43 100

72 20.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.900 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD061824.D

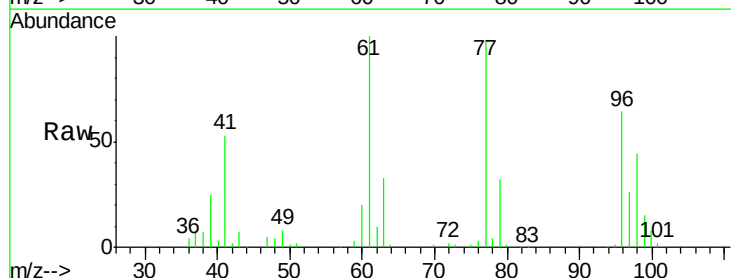
Acq: 16 Apr 2019 22:37

Tgt Ion: 77 Resp: 378220

Ion Ratio Lower Upper

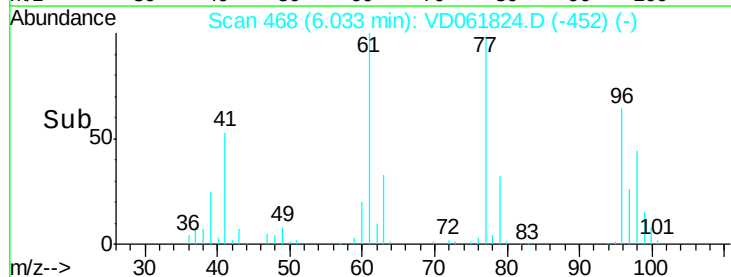
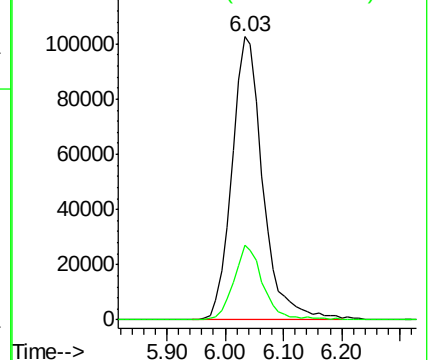
77 100

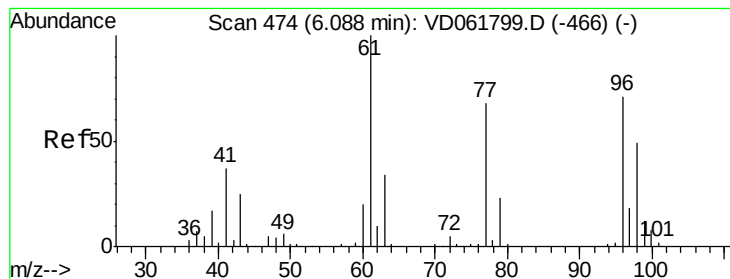
97 26.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



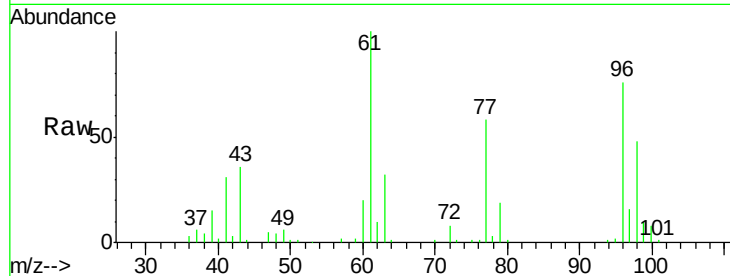


#27

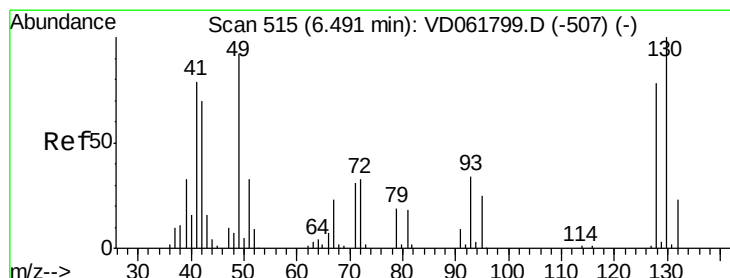
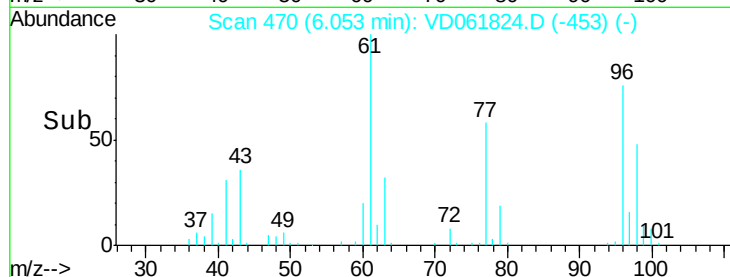
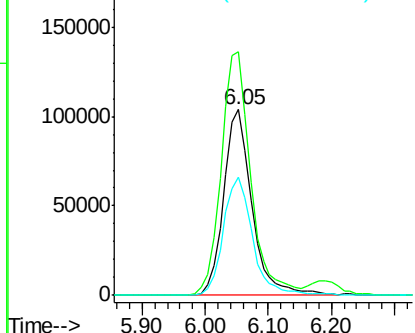
cis-1,2-Dichloroethene
 Concen: 48.052 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 323009
 Ion Ratio Lower Upper
 96 100
 61 131.3 0.0 279.8
 98 63.6 0.0 136.0



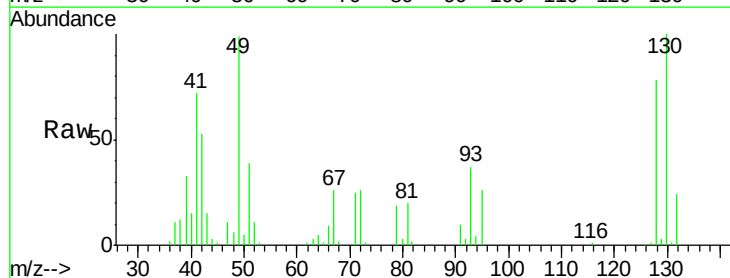
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



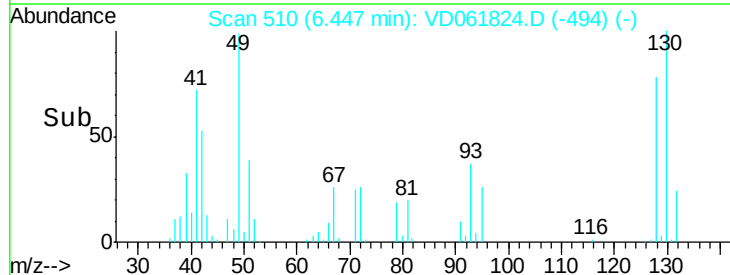
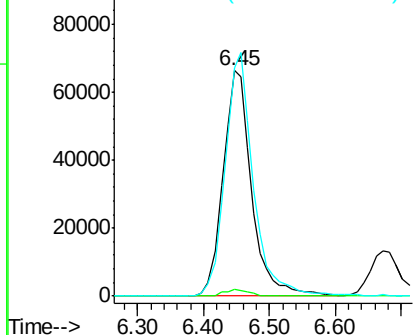
#28

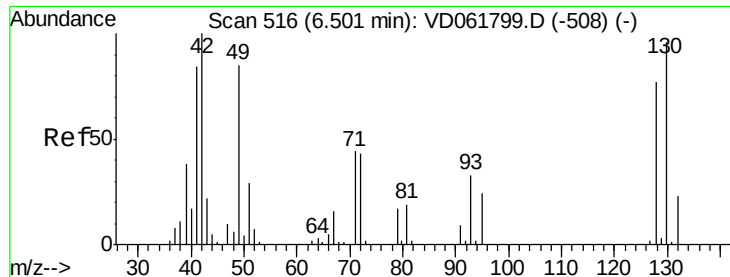
Bromochloromethane
 Concen: 53.039 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 49 Resp: 200810
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 6.6
 130 101.5 86.7 130.1



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: 247.514 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

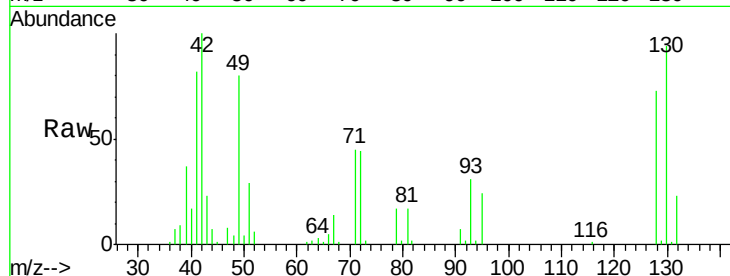
Tot Ion: 42 Resp: 170458

Ion Ratio Lower Upper

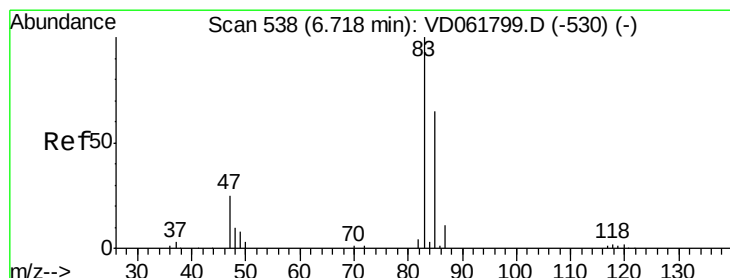
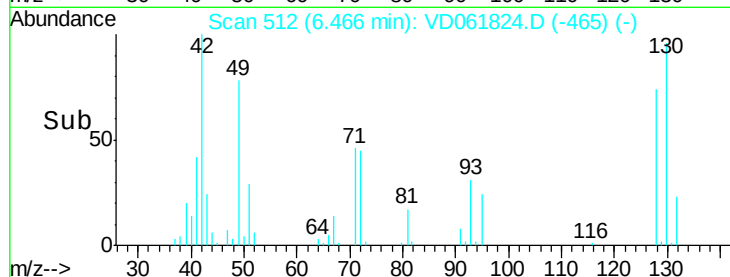
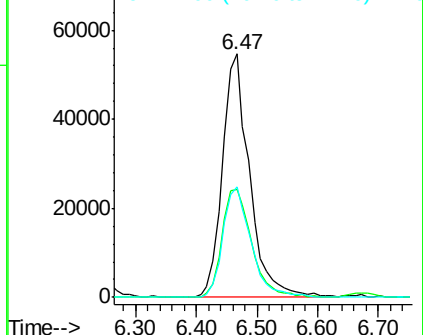
42 100

72 48.4 37.8 56.6

71 46.7 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 44.777 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.04 min

Lab File: VD061824.D

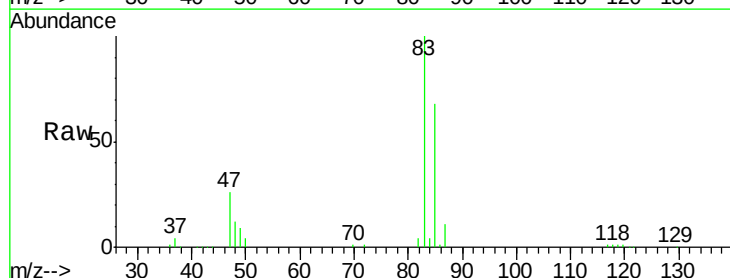
Acq: 16 Apr 2019 22:37

Tgt Ion: 83 Resp: 497817

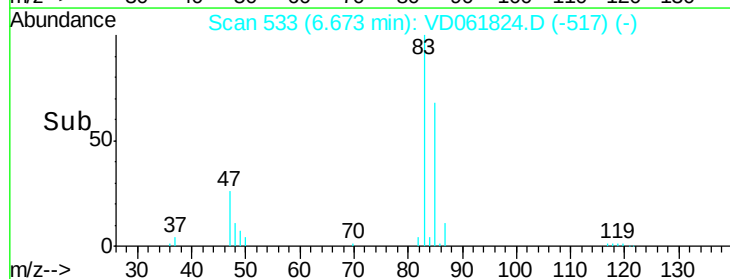
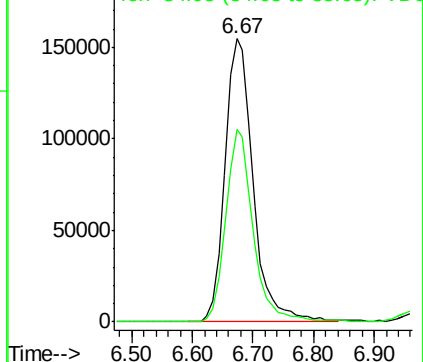
Ion Ratio Lower Upper

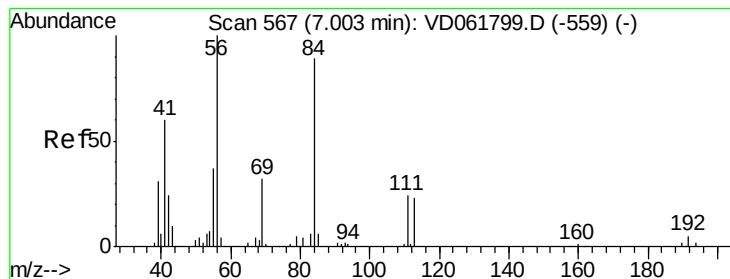
83 100

85 68.0 51.7 77.5



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





#31

Cyclohexane

Concen: 45.825 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

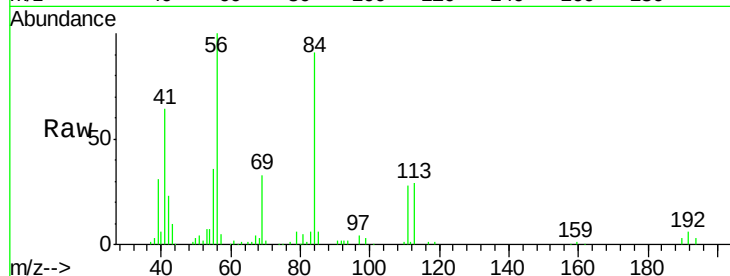
Tot Ion: 56 Resp: 349668

Ion Ratio Lower Upper

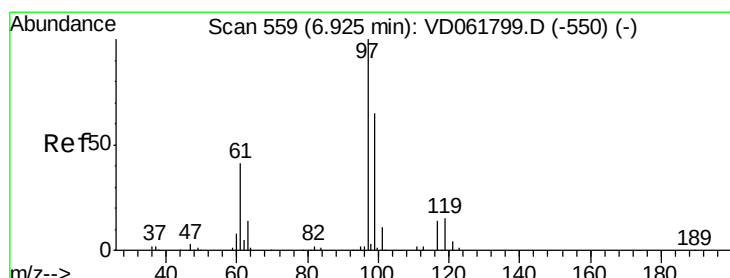
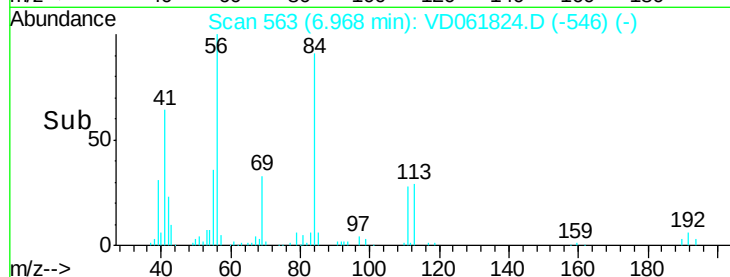
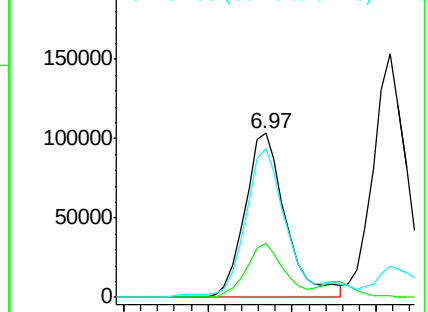
56 100

69 32.9 25.8 38.6

84 90.9 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 44.604 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

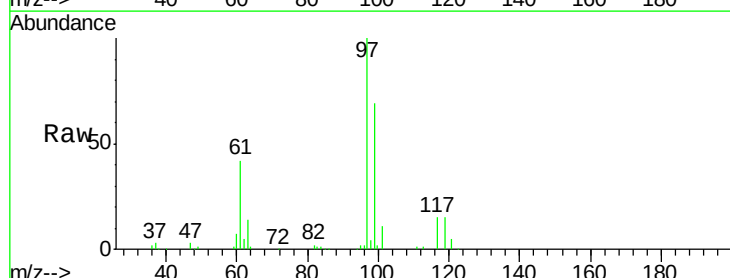
Tgt Ion: 97 Resp: 439585

Ion Ratio Lower Upper

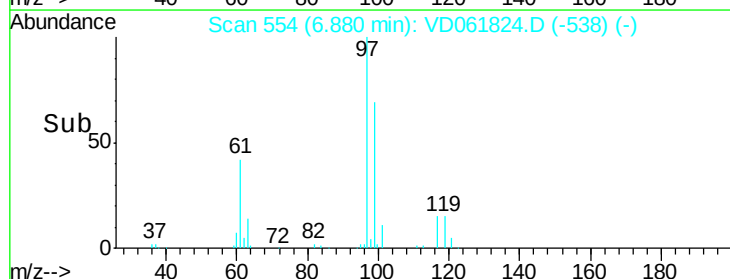
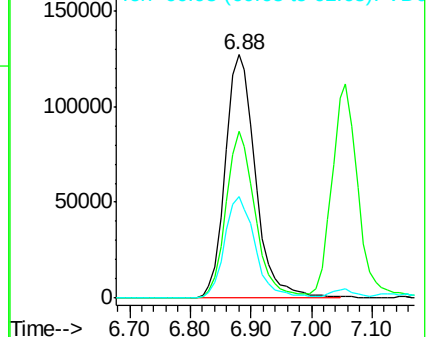
97 100

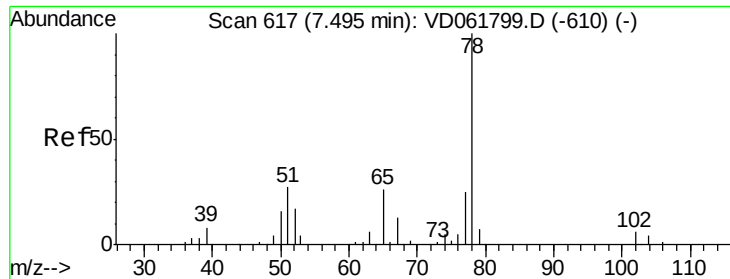
99 68.7 52.2 78.2

61 41.6 32.4 48.6



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

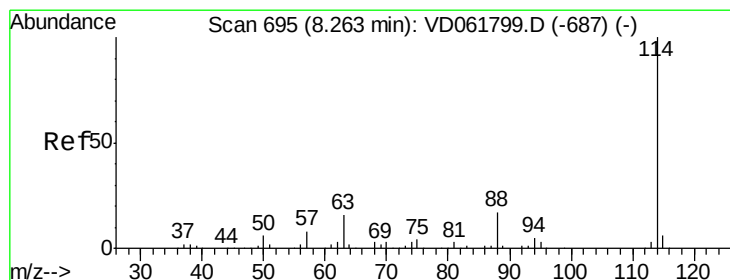
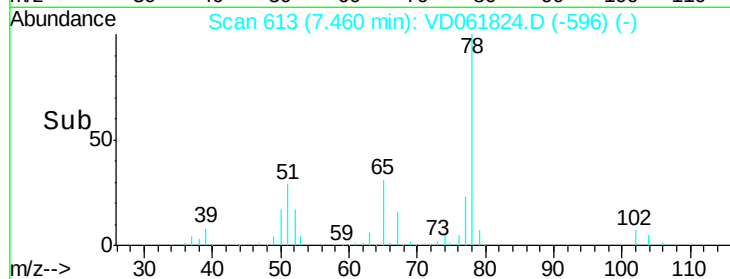
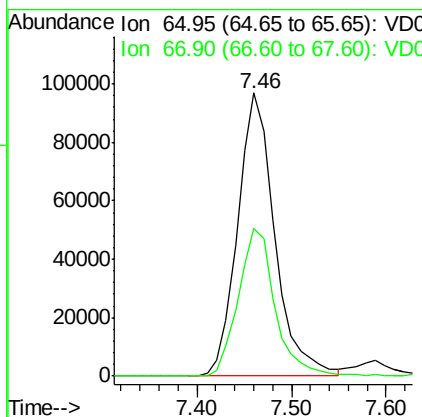
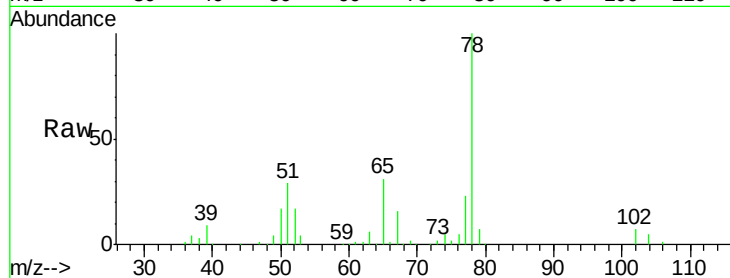




#33
 1,2-Dichloroethane-d4
 Concen: 44.604 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

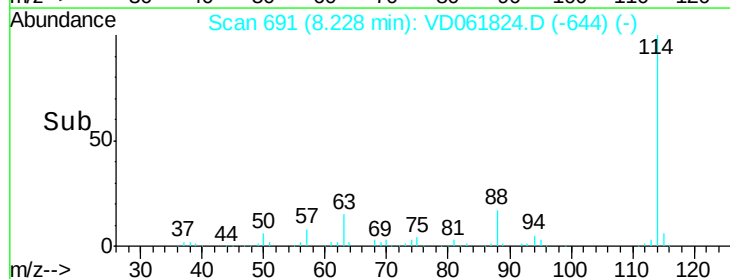
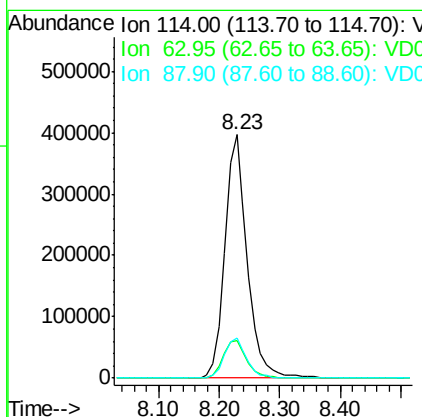
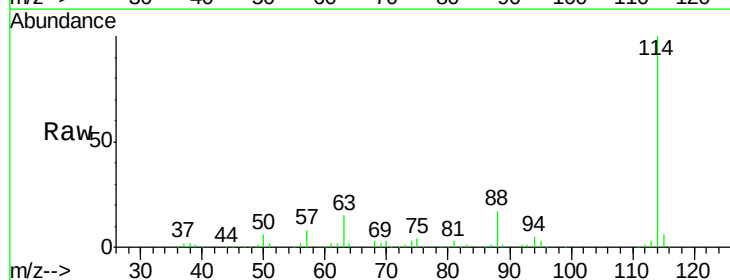
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

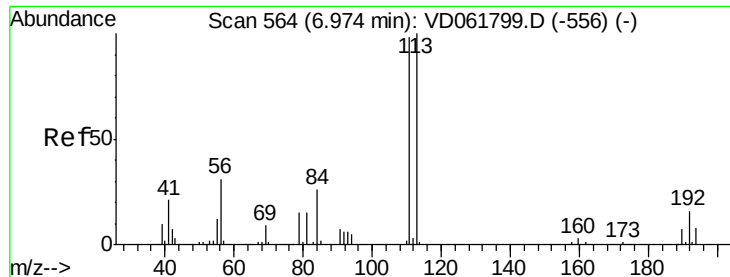
Tot Ion: 65 Resp: 263673
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 114 Resp: 1006097
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 32.4
 88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

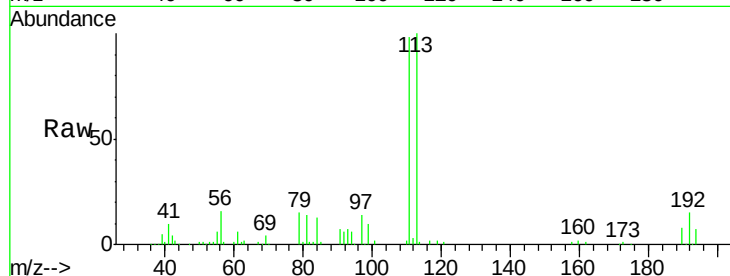
Tot Ion:113 Resp: 378870

Ion Ratio Lower Upper

113 100

111 97.7 78.5 117.7

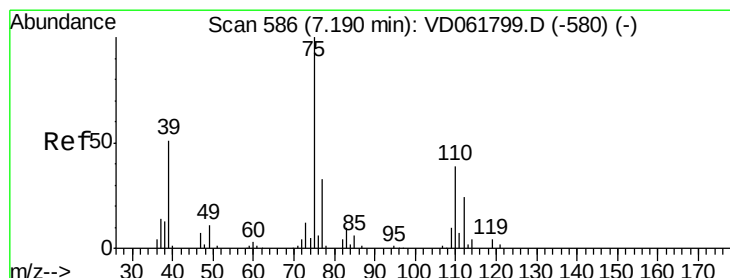
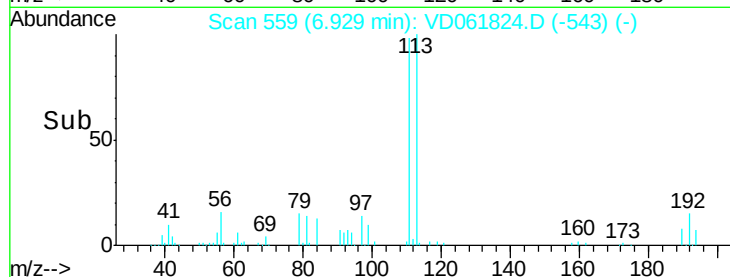
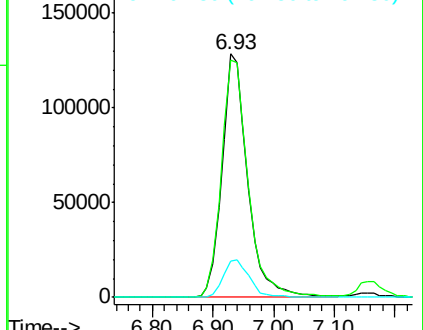
192 14.7 13.0 19.4



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: 43.212 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

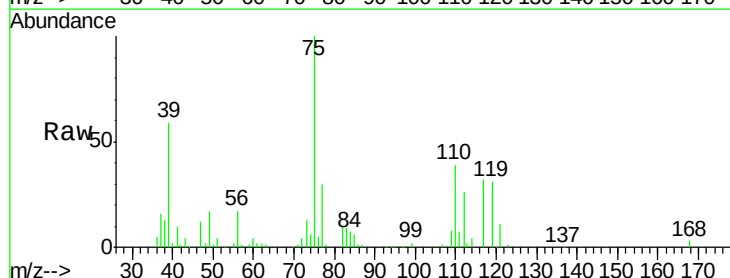
Tgt Ion: 75 Resp: 355265

Ion Ratio Lower Upper

75 100

110 38.6 19.1 57.1

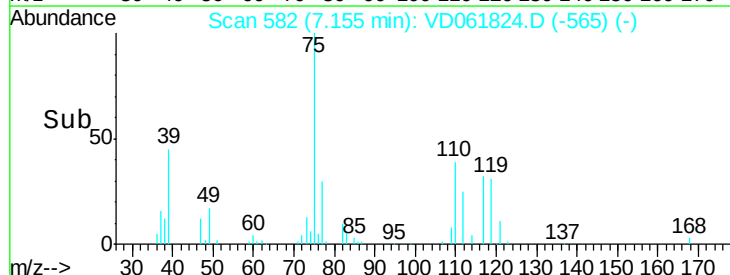
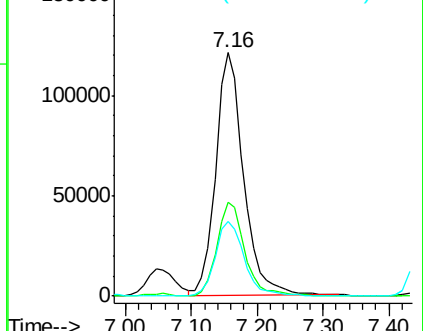
77 30.4 25.6 38.4

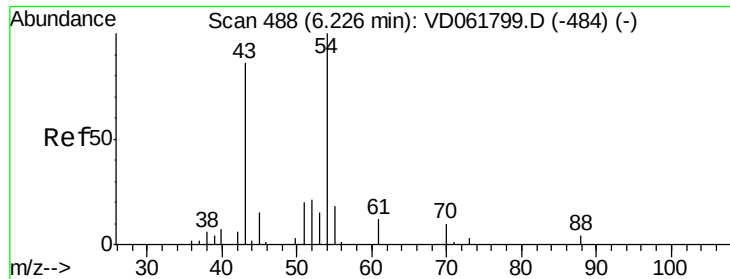


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

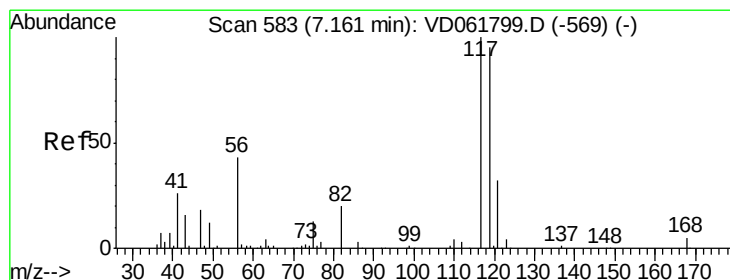
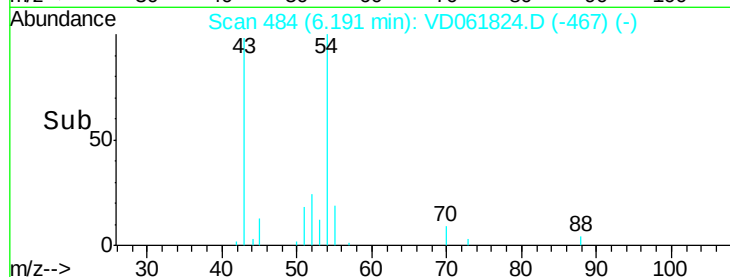
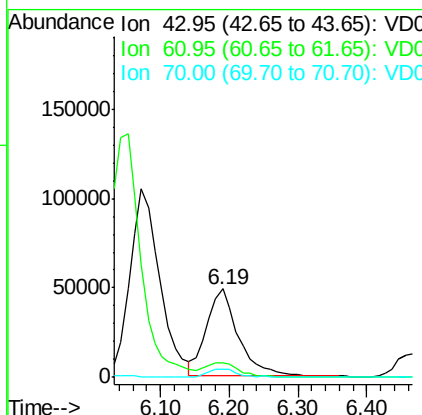
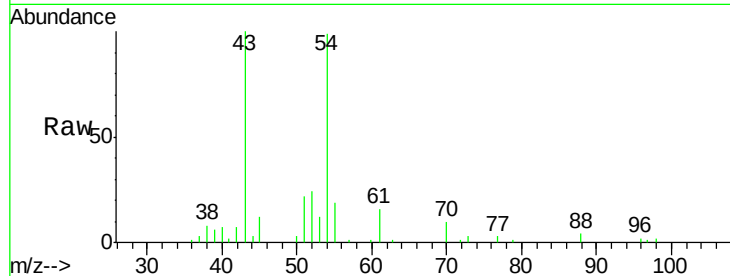




#37
Ethyl Acetate
Concen: 44.554 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

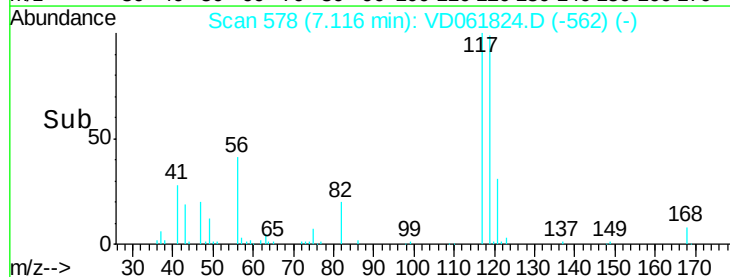
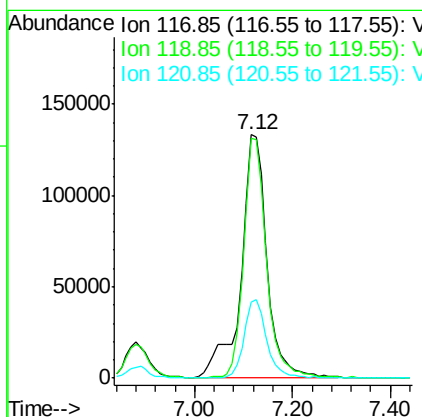
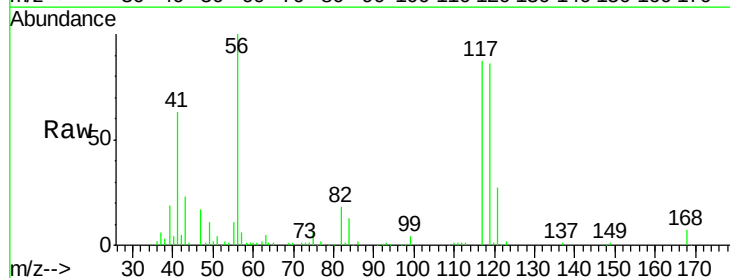
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

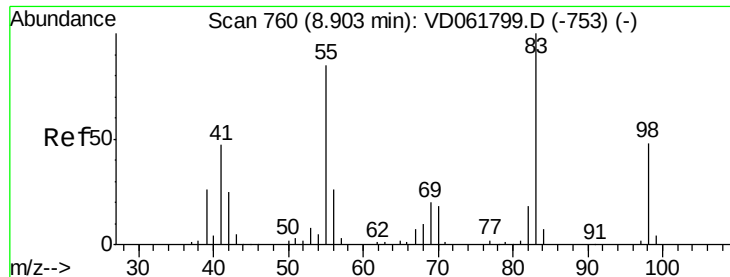
Tot Ion: 43 Resp: 156771
Ion Ratio Lower Upper
43 100
61 15.9 14.7 22.1
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 47.953 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 117 Resp: 497812
Ion Ratio Lower Upper
117 100
119 98.6 75.8 113.8
121 31.2 25.9 38.9

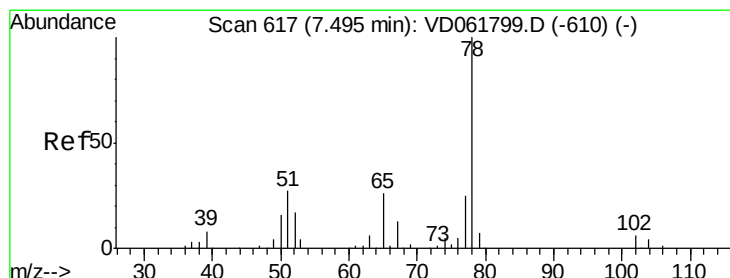
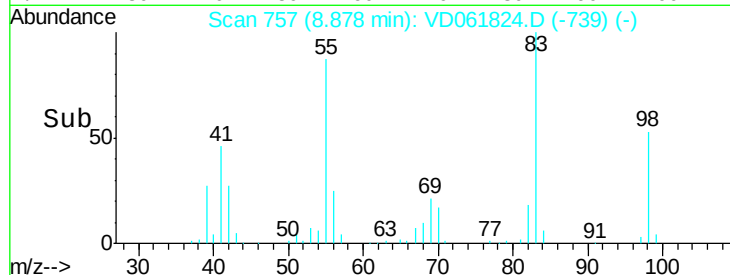
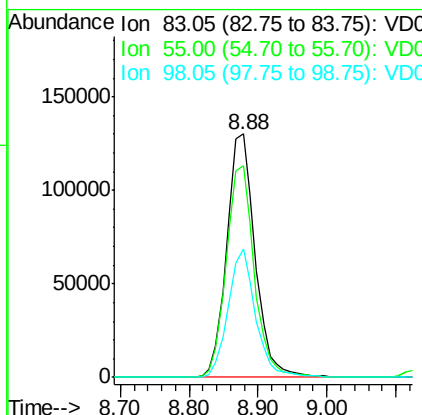
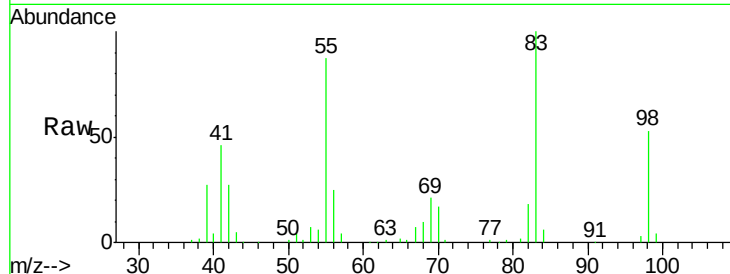




#39
Methylvlcyclohexane
Concen: 43.638 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

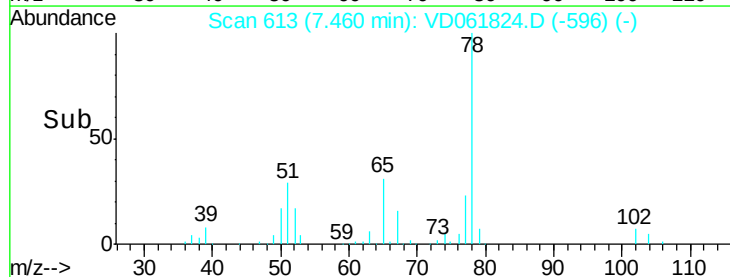
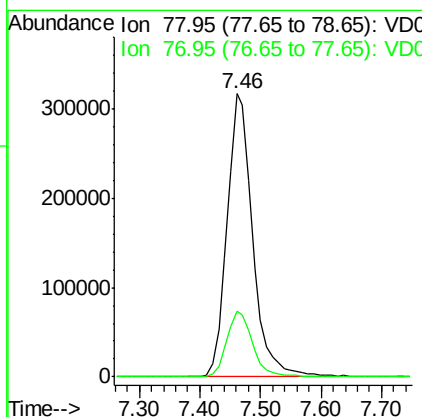
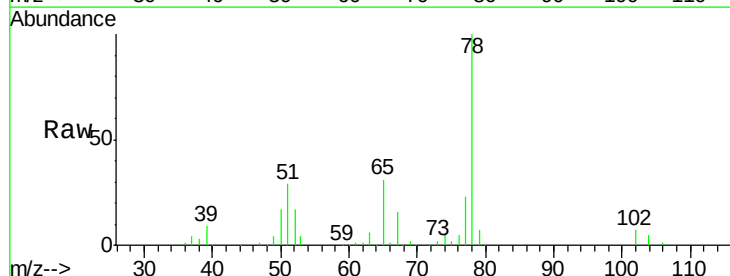
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

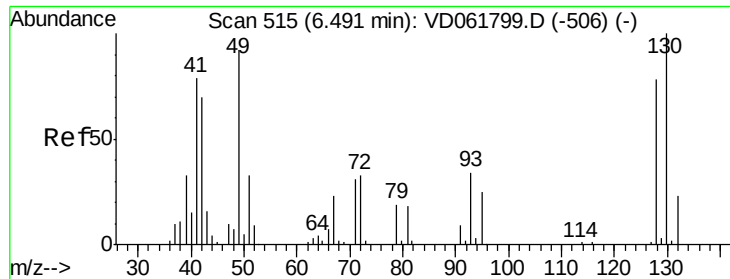
Tot Ion: 83 Resp: 372558
Ion Ratio Lower Upper
83 100
55 87.0 68.2 102.4
98 52.8 38.2 57.4



#40
Benzene
Concen: 47.024 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 78 Resp: 928150
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5

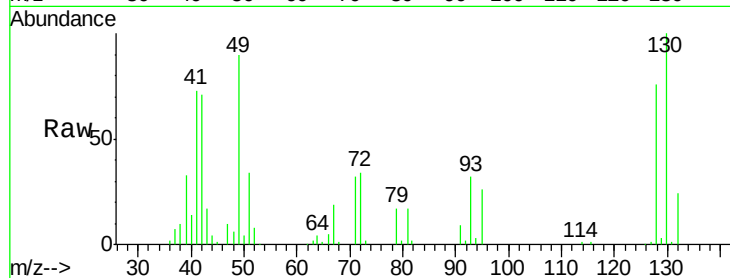




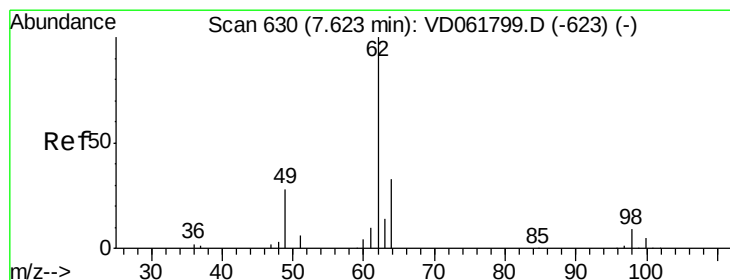
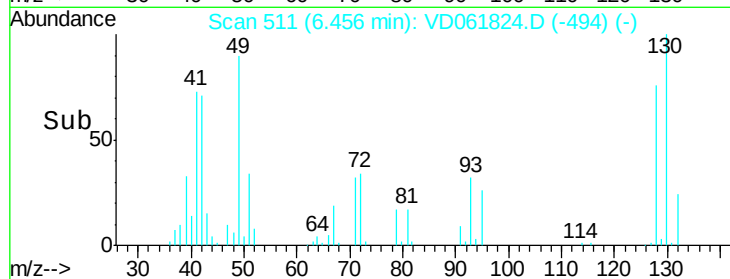
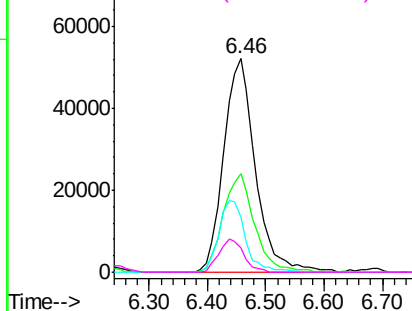
#41
Methacrylonitrile
Concen: 47.210 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	196345
Ion	Ratio	Lower	Upper
41	100		
39	45.9	34.1	51.1
67	25.7	23.8	35.6
52	11.1	8.8	13.2

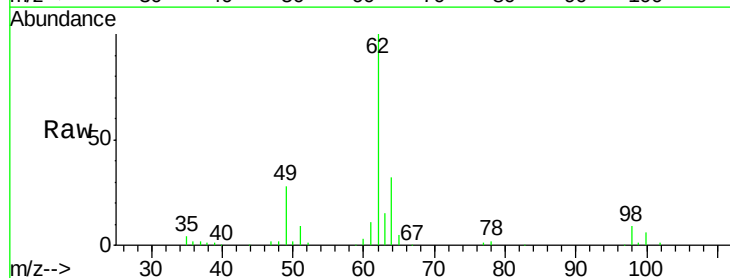


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

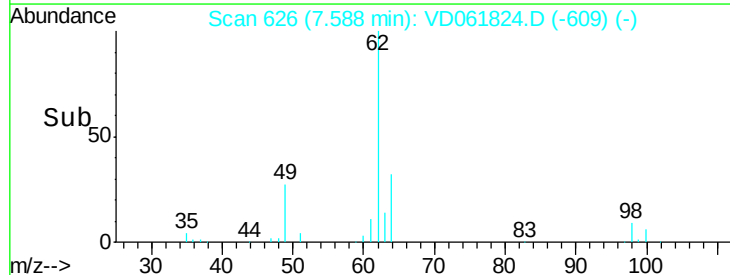
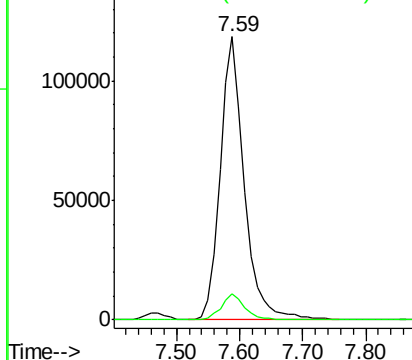


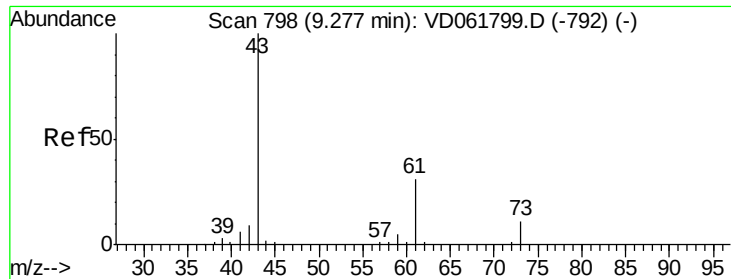
#42
1,2-Dichloroethane
Concen: 45.687 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:	62	Resp:	314065
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



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



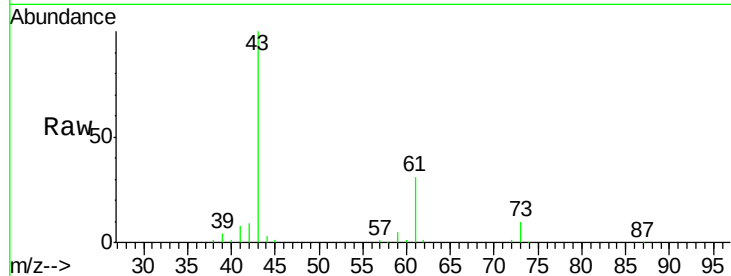


#43

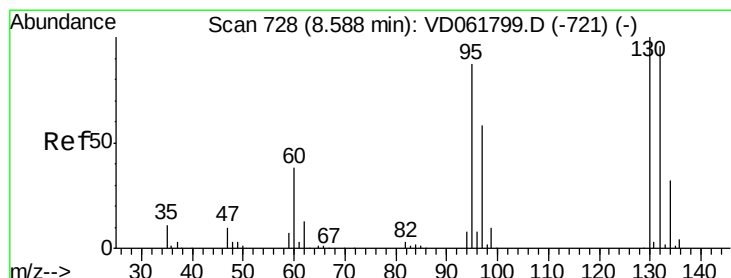
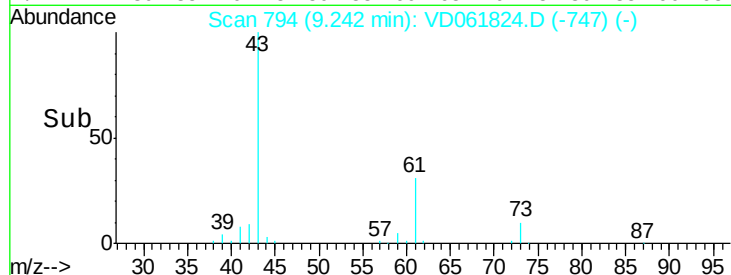
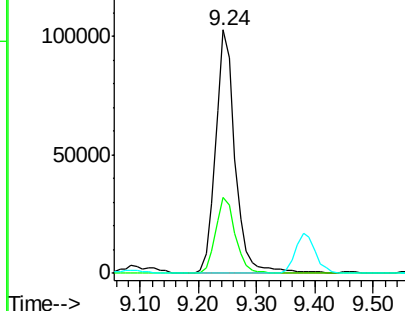
Isopropyl Acetate
 Concen: 48.031 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 237834
 Ion Ratio Lower Upper
 43 100
 61 30.9 25.1 37.7
 87 0.3 0.0 0.0#



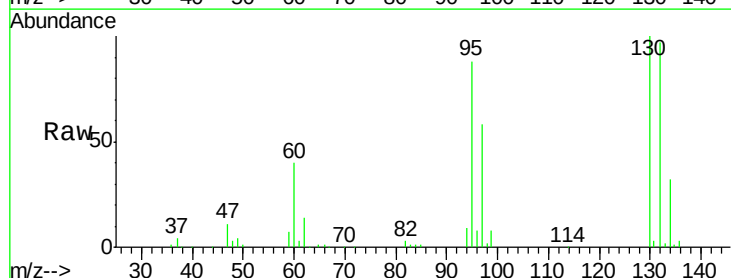
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



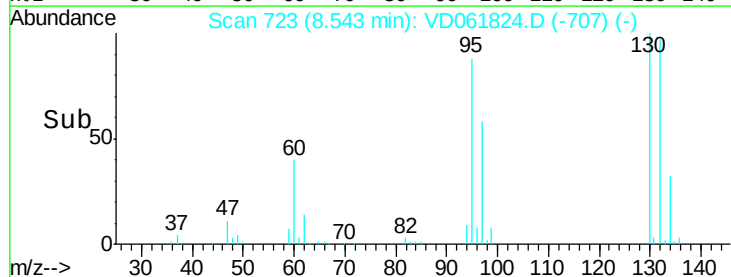
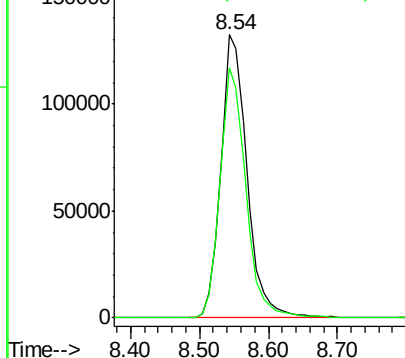
#44

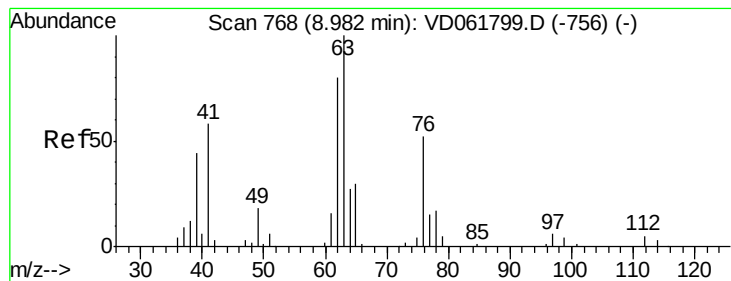
Trichloroethene
 Concen: 45.800 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion:130 Resp: 348001
 Ion Ratio Lower Upper
 130 100
 95 88.4 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 46.428 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

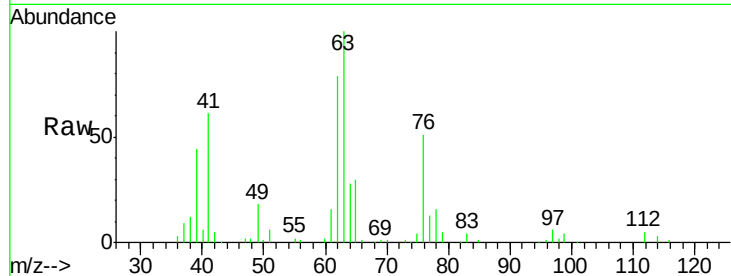
VSTDCCC050

Tot Ion: 63 Resp: 238700

Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

100000

80000

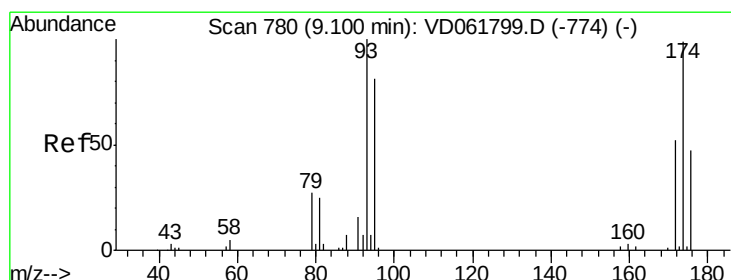
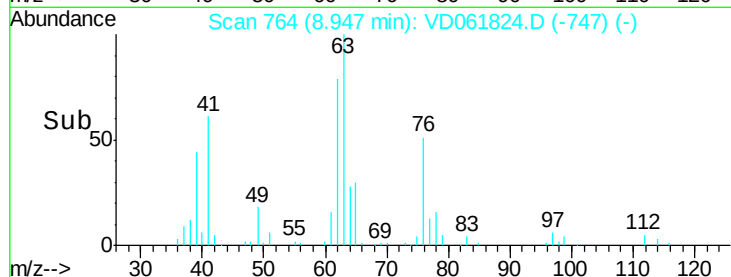
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 46.034 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

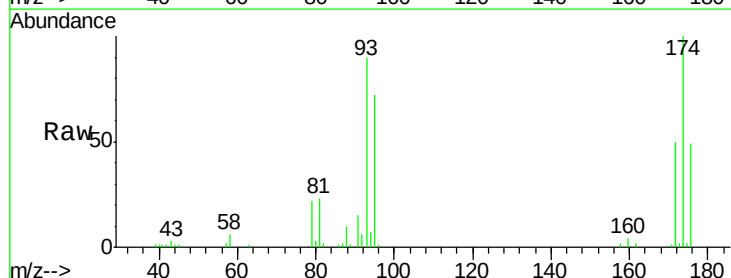
Tgt Ion: 93 Resp: 168637

Ion Ratio Lower Upper

93 100

95 80.6 64.8 97.2

174 111.2 79.3 118.9



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

100000

80000

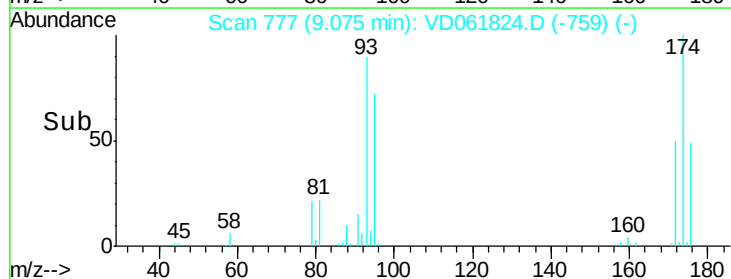
60000

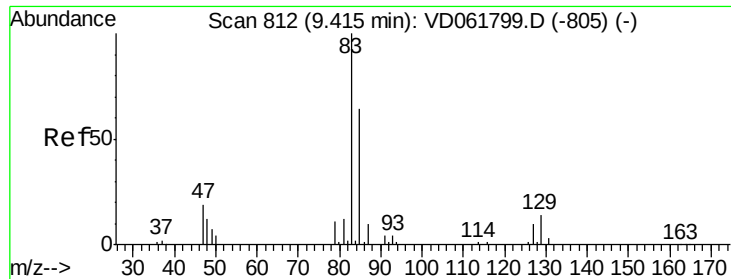
40000

20000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 46.409 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

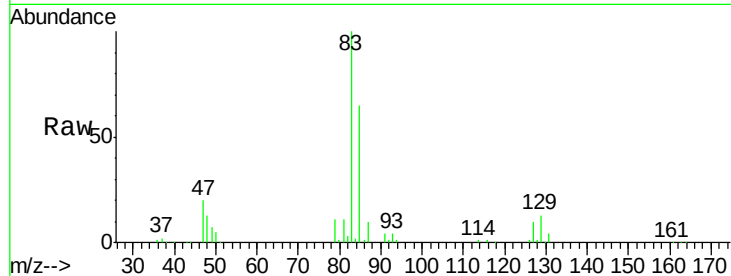
Tot Ion: 83 Resp: 392218

Ion Ratio Lower Upper

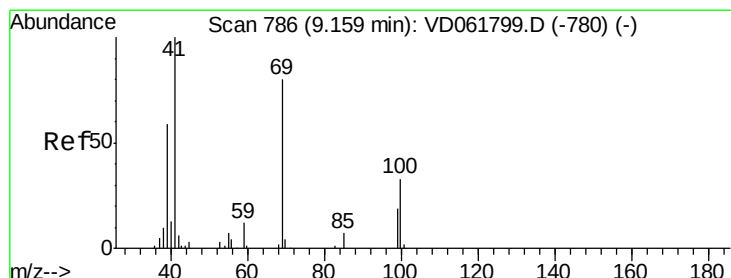
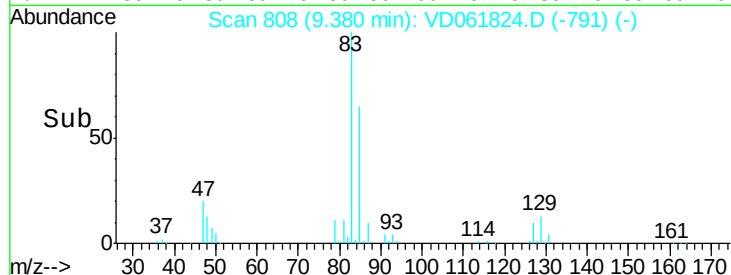
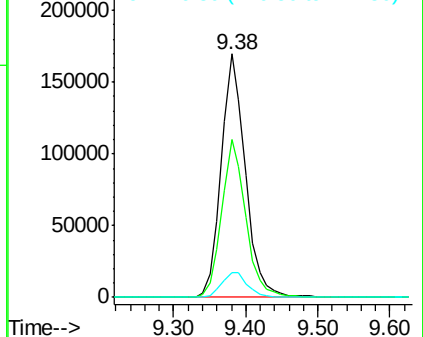
83 100

85 64.8 50.9 76.3

127 10.4 8.1 12.1



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: 43.042 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

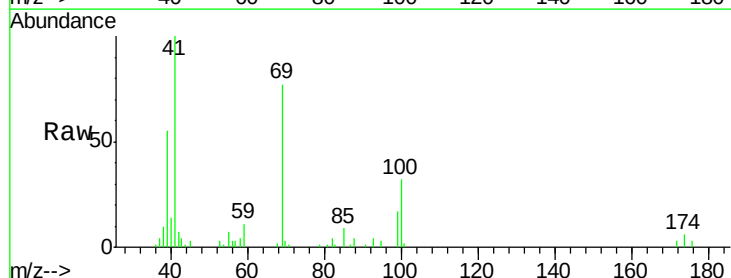
Tgt Ion: 41 Resp: 125280

Ion Ratio Lower Upper

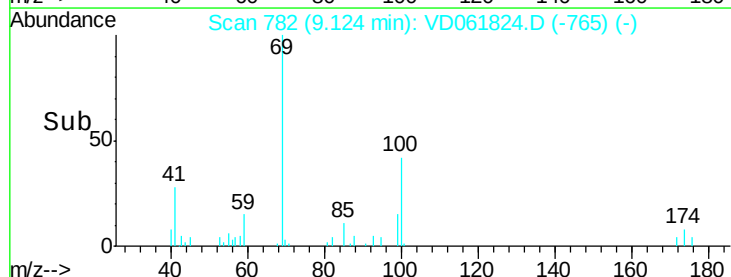
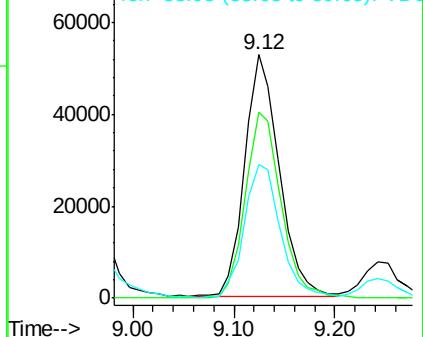
41 100

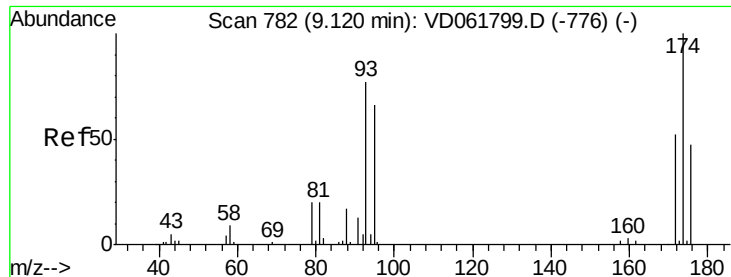
69 76.6 64.2 96.2

39 54.8 46.8 70.2



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: 924.506 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

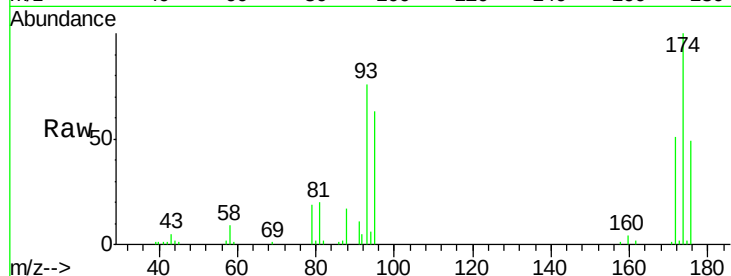
Tot Ion: 88 Resp: 29412

Ion Ratio Lower Upper

88 100

43 33.0 23.4 35.0

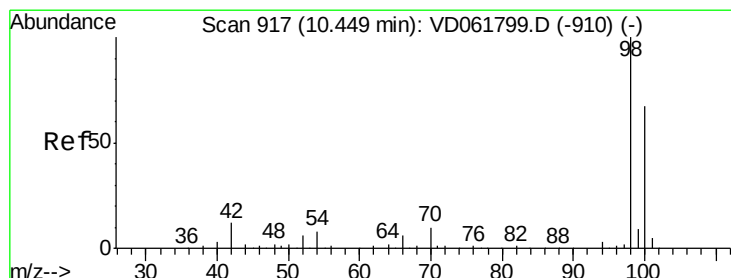
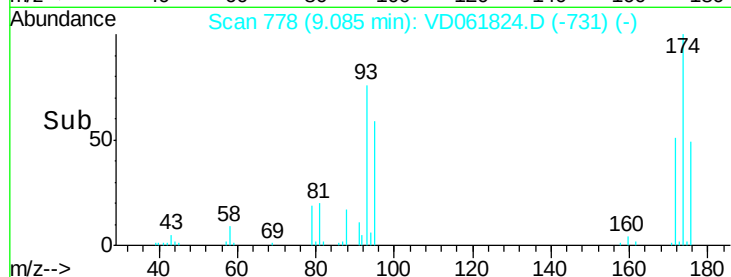
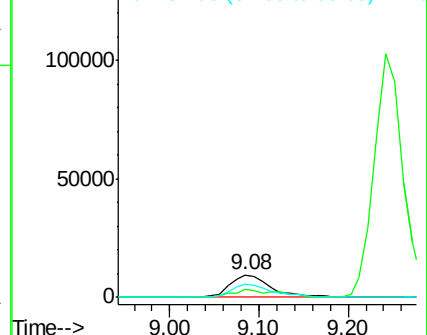
58 56.1 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 924.506 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.04 min

Lab File: VD061824.D

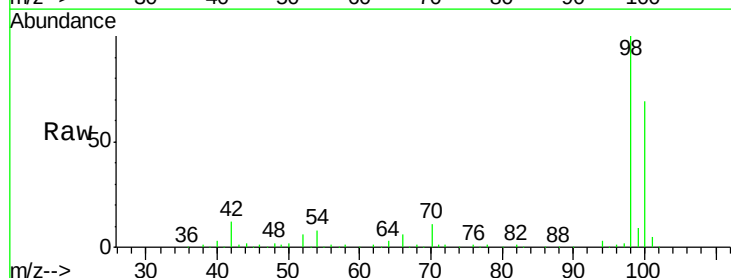
Acq: 16 Apr 2019 22:37

Tgt Ion: 98 Resp: 904380

Ion Ratio Lower Upper

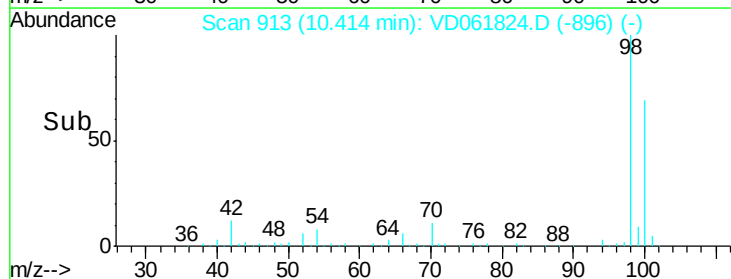
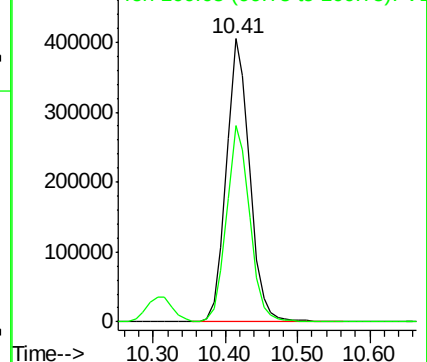
98 100

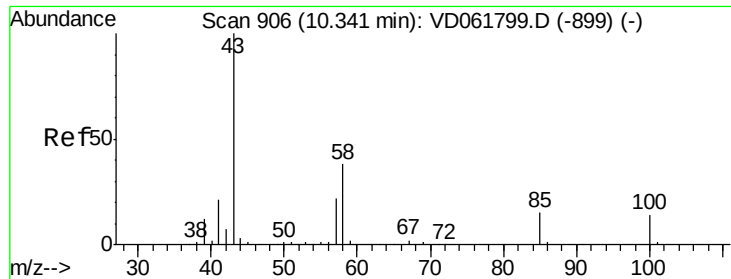
100 69.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 232.132 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

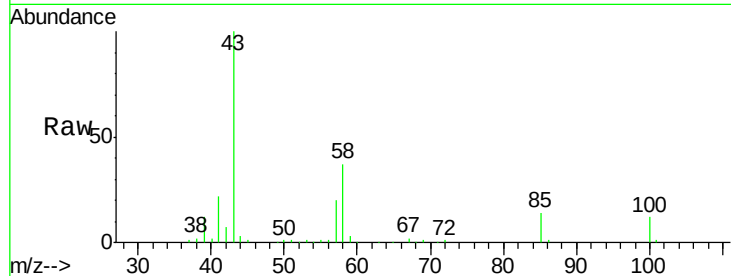
VSTDCCC050

Tot Ion: 43 Resp: 702922

Ion Ratio Lower Upper

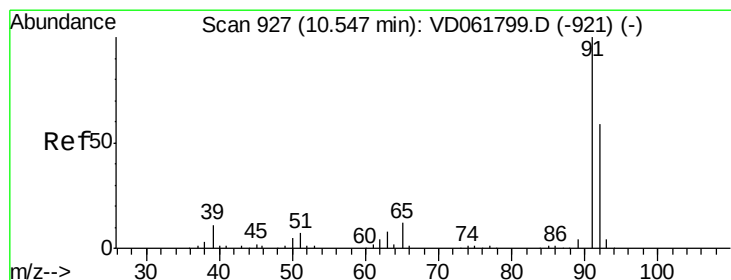
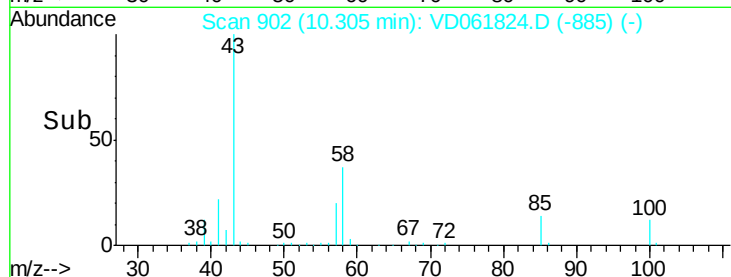
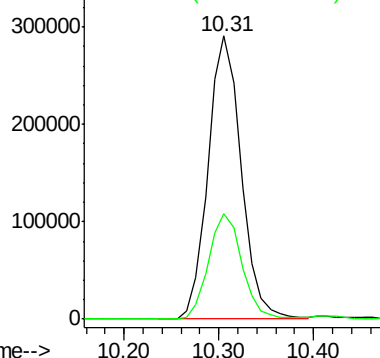
43 100

58 37.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 44.921 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061824.D

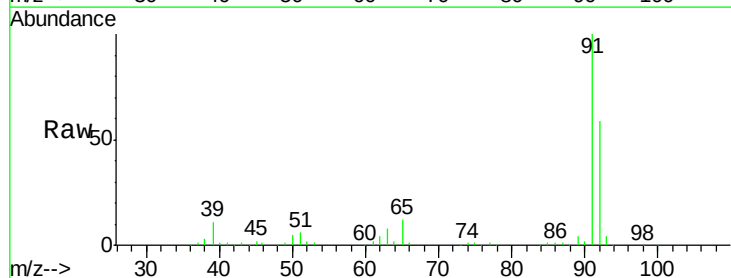
Acq: 16 Apr 2019 22:37

Tgt Ion: 92 Resp: 568185

Ion Ratio Lower Upper

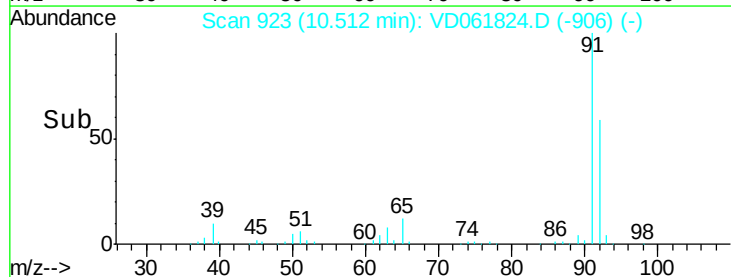
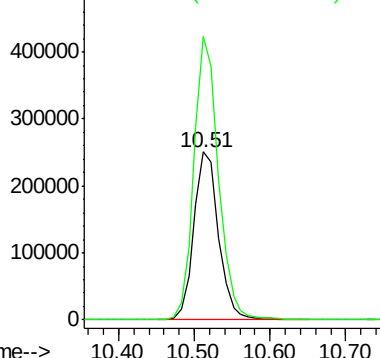
92 100

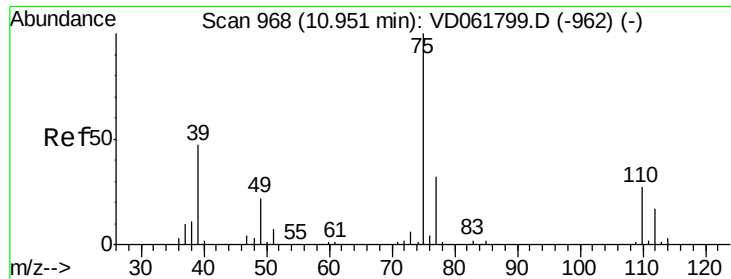
91 168.5 136.6 204.8



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: 43.965 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

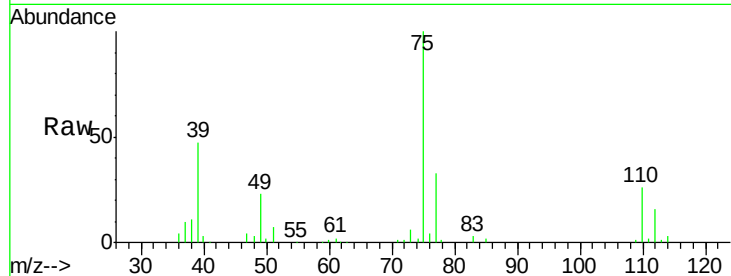
VSTDCCC050

Tot Ion: 75 Resp: 334804

Ion Ratio Lower Upper

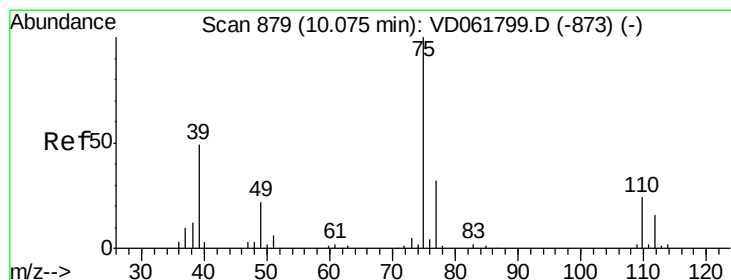
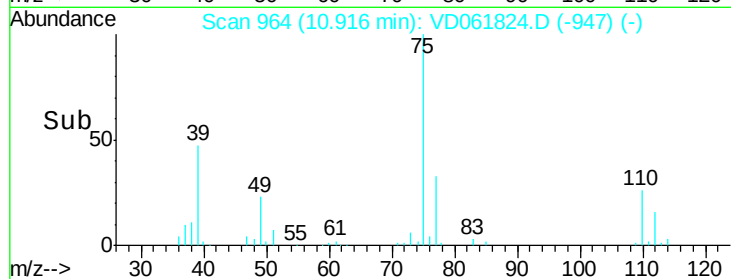
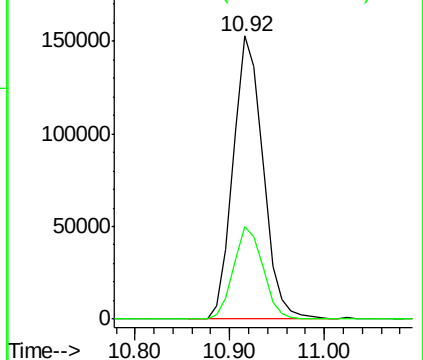
75 100

77 32.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 43.229 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.04 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

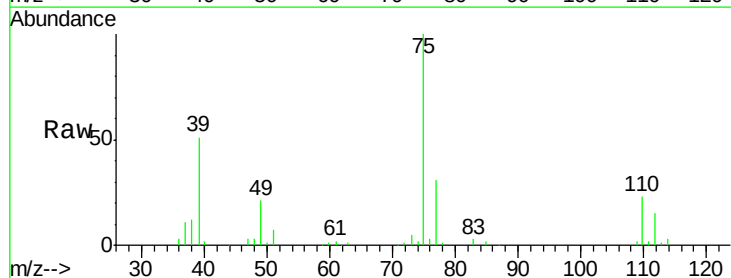
Tgt Ion: 75 Resp: 386427

Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

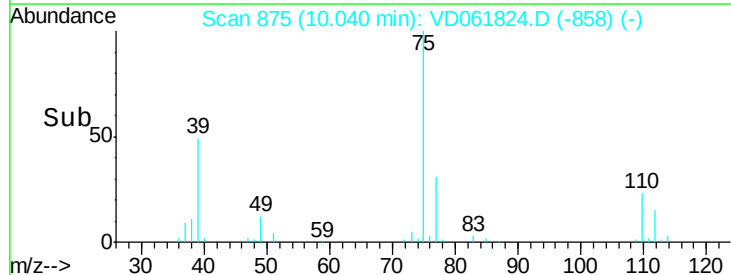
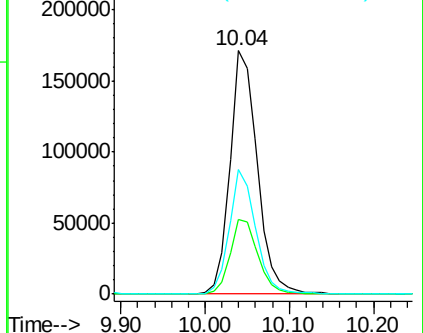
39 51.1 39.4 59.2

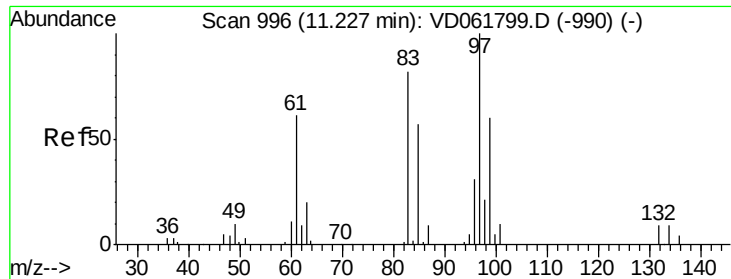


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

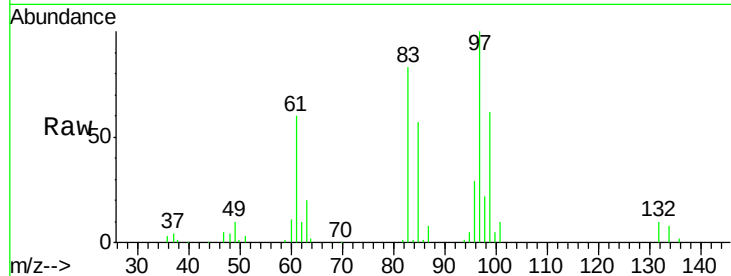




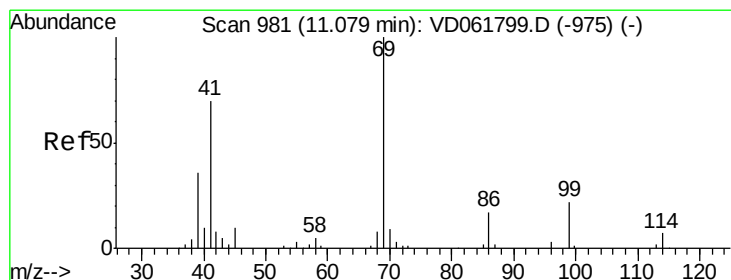
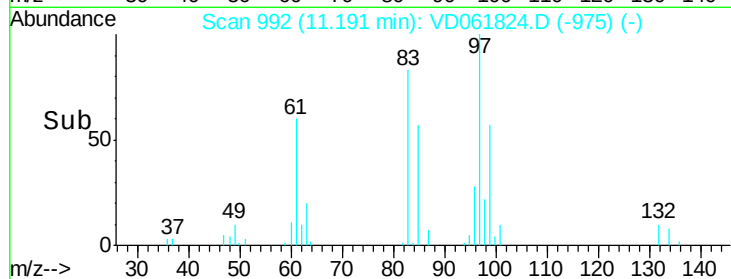
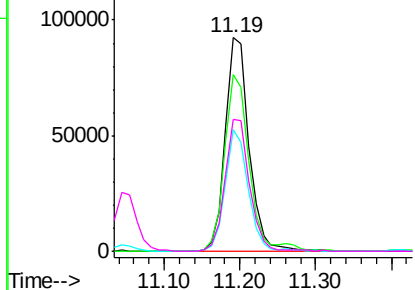
#55
 1,1,2-Trichloroethane
 Concen: 47.139 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	200910
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.7	98.5
85	57.1	45.6	68.4
99	61.6	48.4	72.6

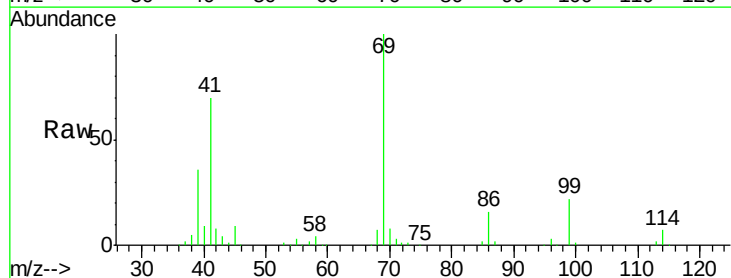


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

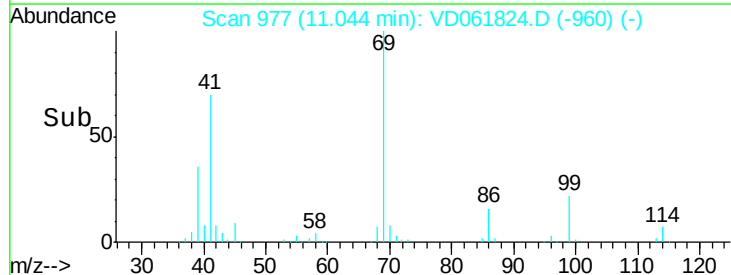
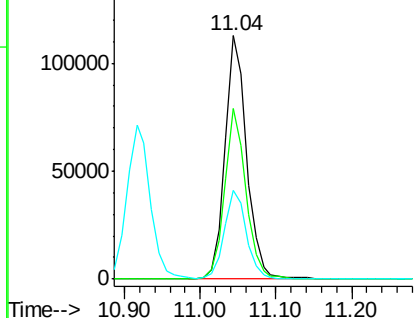


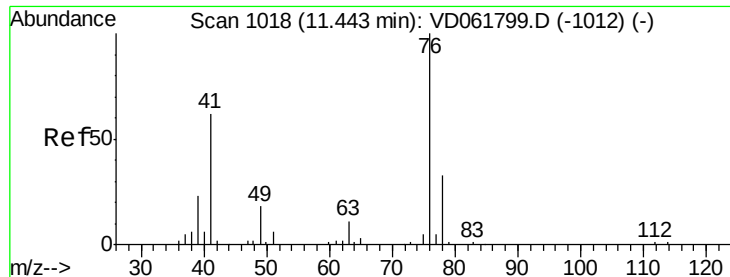
#56
 Ethyl methacrylate
 Concen: 47.495 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion:	69	Resp:	222175
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.3	84.5
39	36.5	29.4	44.2



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

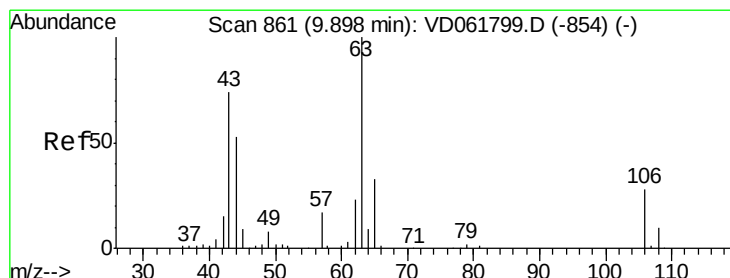
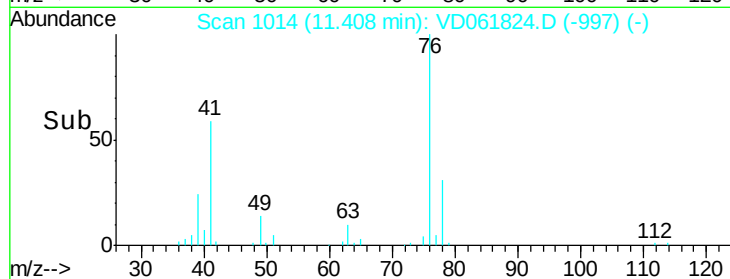
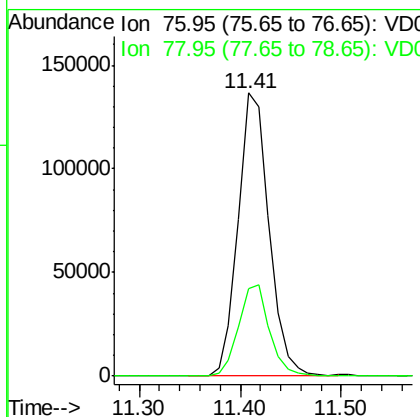
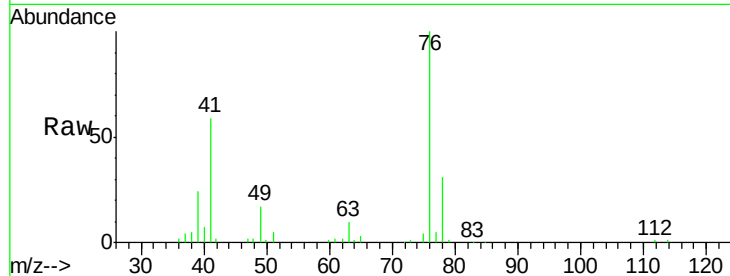




#57
 1,3-Dichloropropane
 Concen: 45.777 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

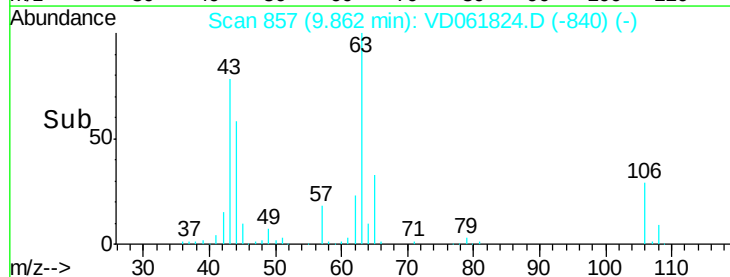
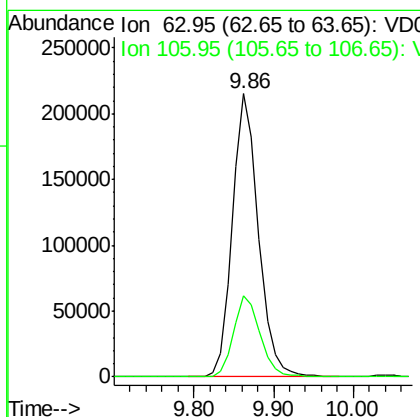
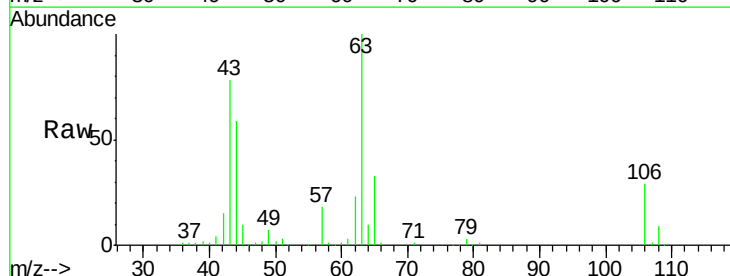
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

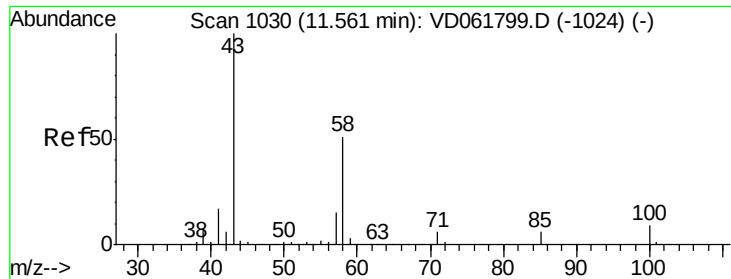
Tot Ion: 76 Resp: 293317
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.881 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 63 Resp: 491456
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 34.0

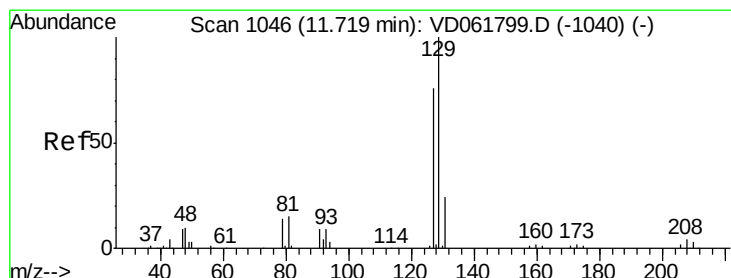
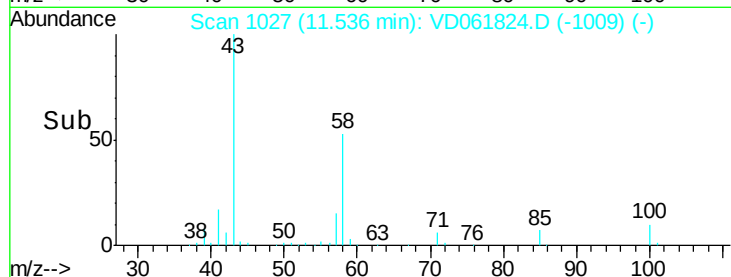
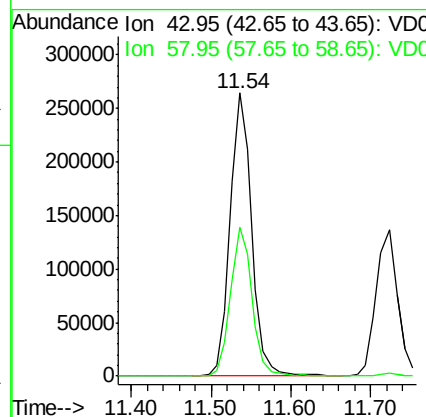
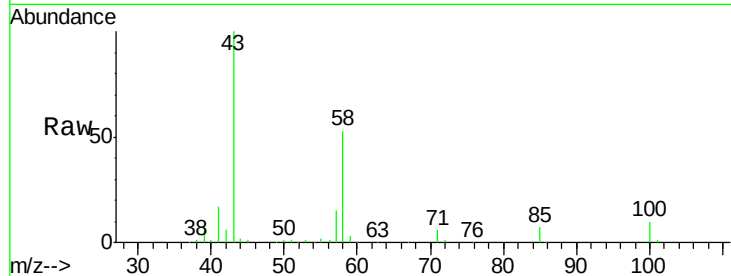




#59
2-Hexanone
Concen: 225.045 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

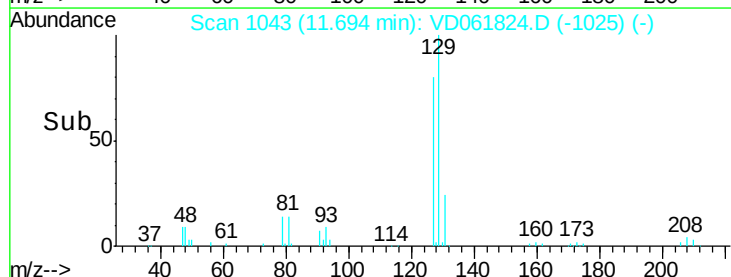
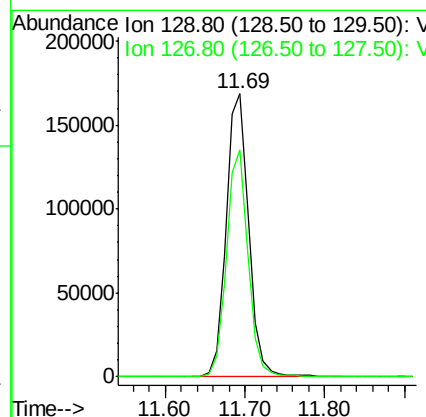
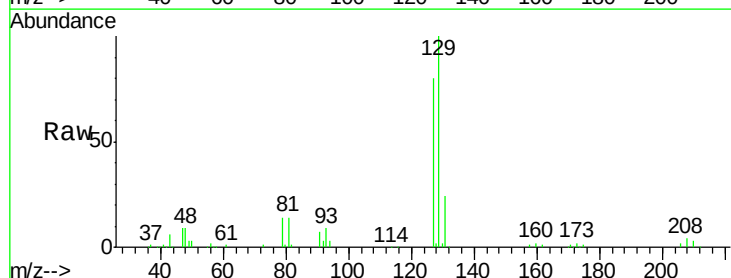
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

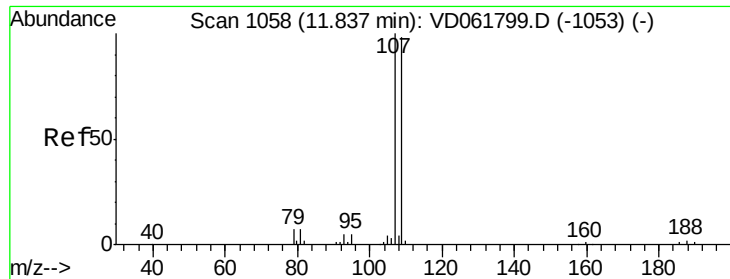
Tot Ion: 43 Resp: 506139
Ion Ratio Lower Upper
43 100
58 52.6 25.4 76.4



#60
Dibromochloromethane
Concen: 48.196 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 129 Resp: 336115
Ion Ratio Lower Upper
129 100
127 80.1 38.0 113.9

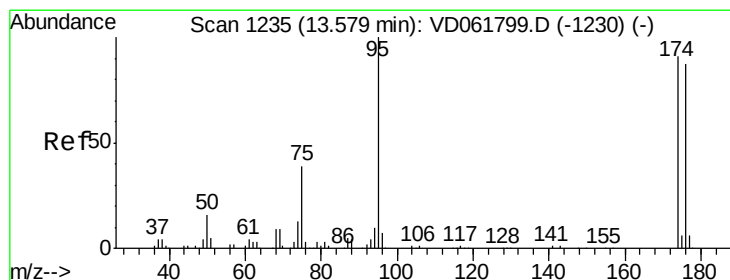
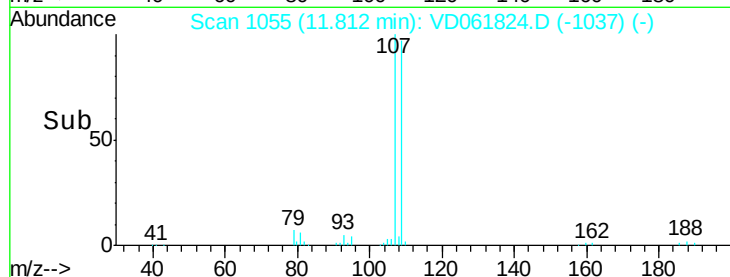
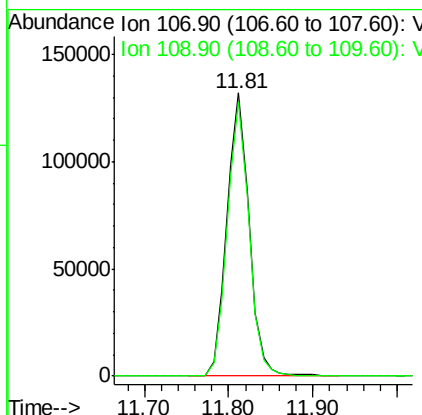
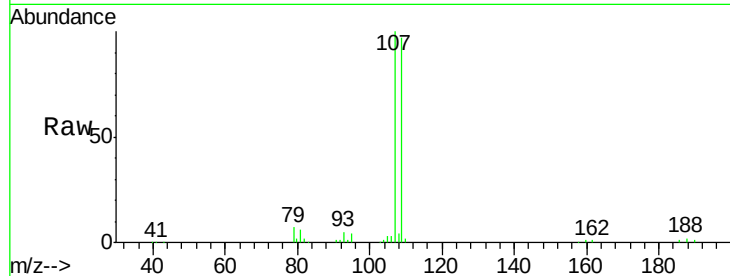




#61
1,2-Dibromoethane
Concen: 46.196 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

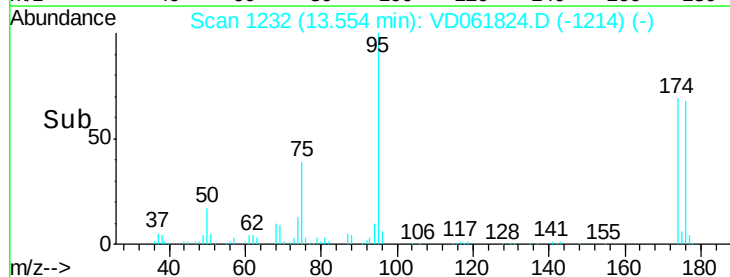
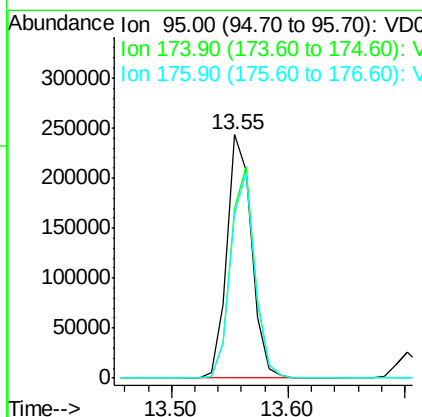
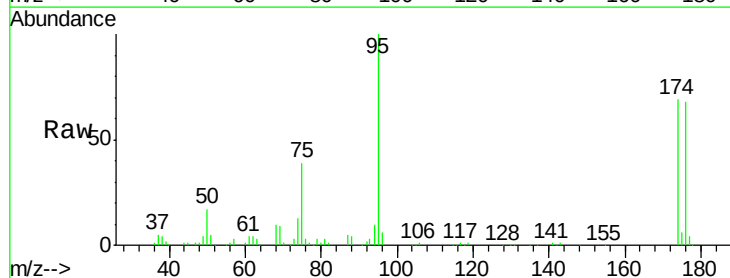
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

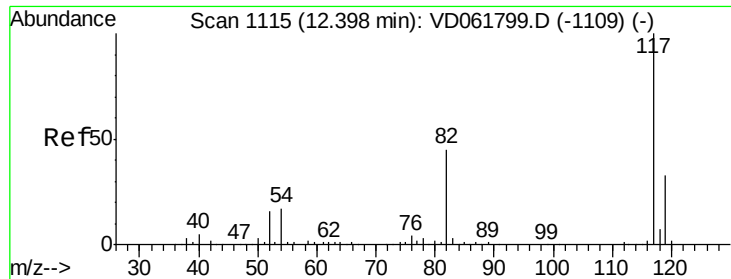
Tot Ion:107 Resp: 242100
Ion Ratio Lower Upper
107 100
109 97.1 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 46.196 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 95 Resp: 358240
Ion Ratio Lower Upper
95 100
174 69.5 0.0 181.8
176 67.6 0.0 174.4

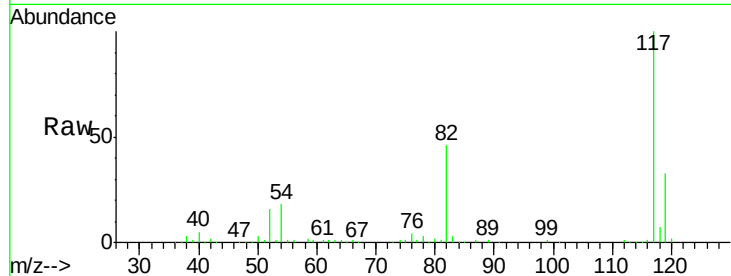




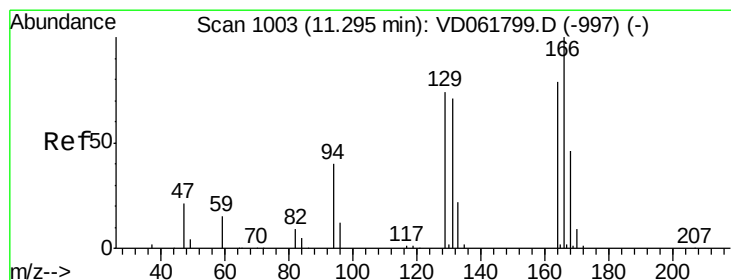
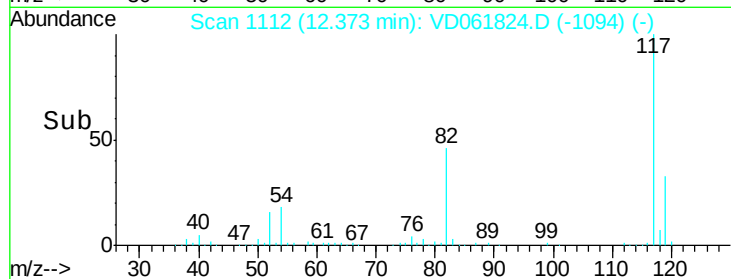
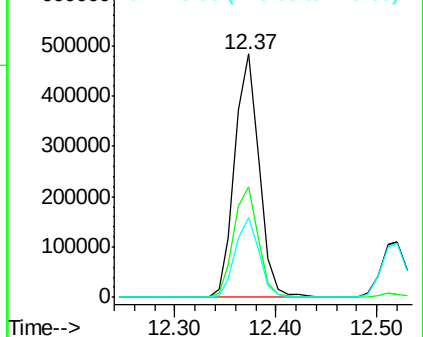
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 808722
Ion Ratio Lower Upper
117 100
82 45.5 36.2 54.2
119 32.7 26.2 39.4

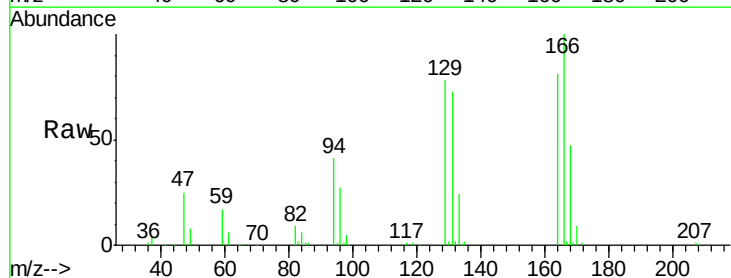


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

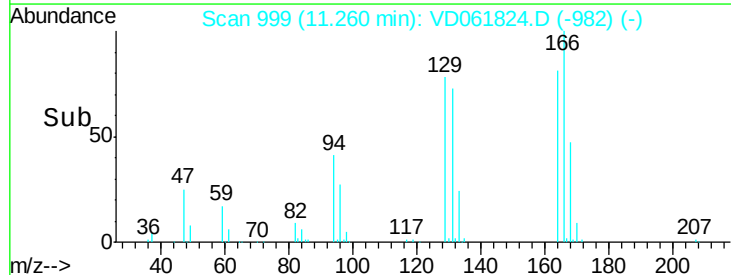
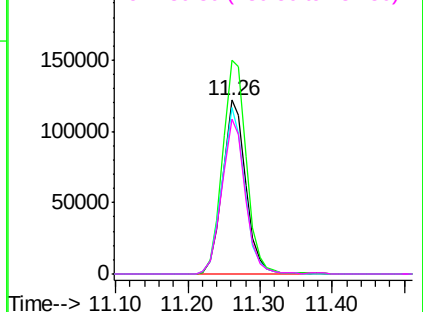


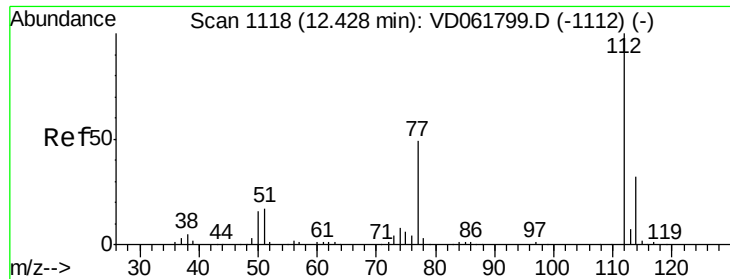
#64
Tetrachloroethene
Concen: 44.647 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.04 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:164 Resp: 270790
Ion Ratio Lower Upper
164 100
166 123.0 101.5 152.3
129 95.6 74.6 112.0
131 89.2 72.6 108.8



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

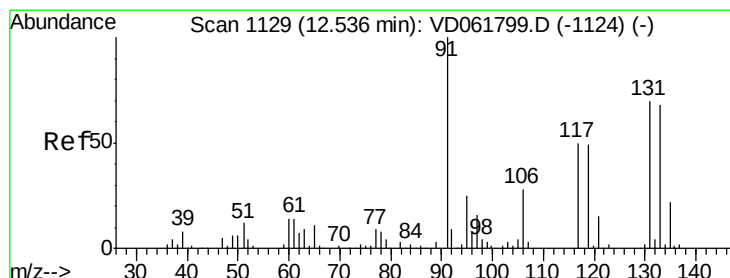
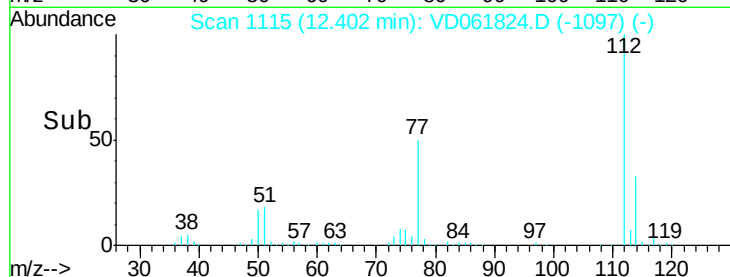
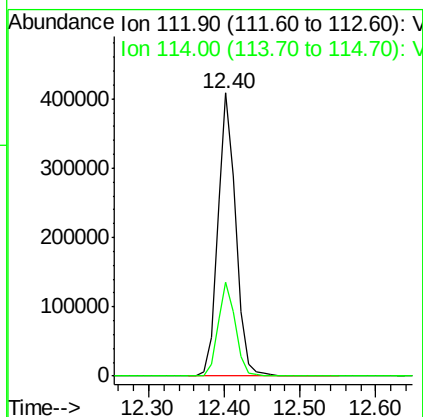
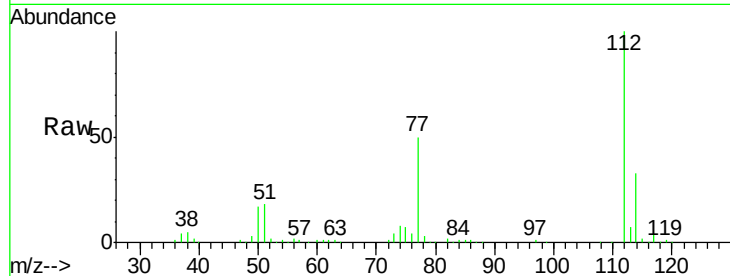




#65
Chlorobenzene
Concen: 44.739 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

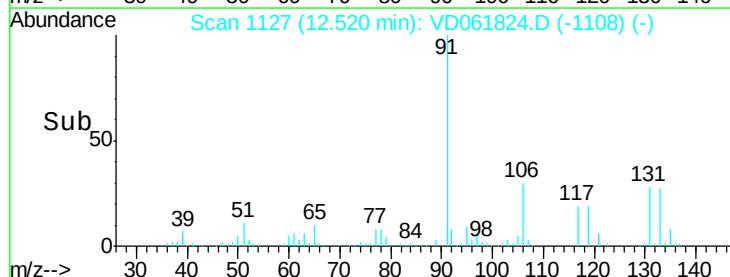
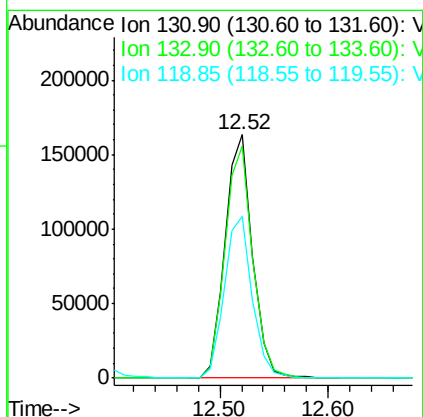
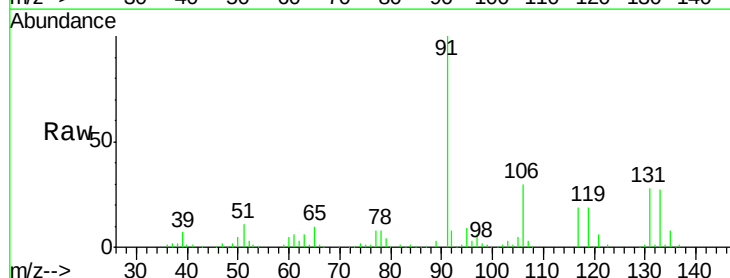
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

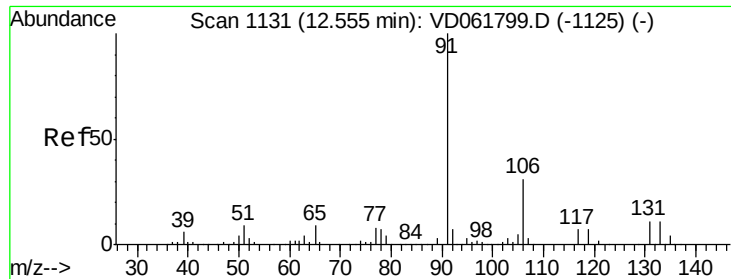
Tot Ion:112 Resp: 673823
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 45.453 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:131 Resp: 286880
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.8
119 66.3 34.7 104.1

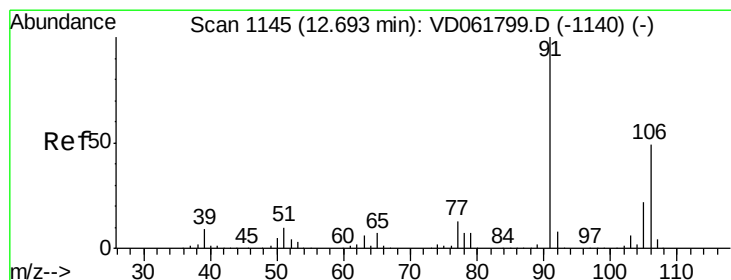
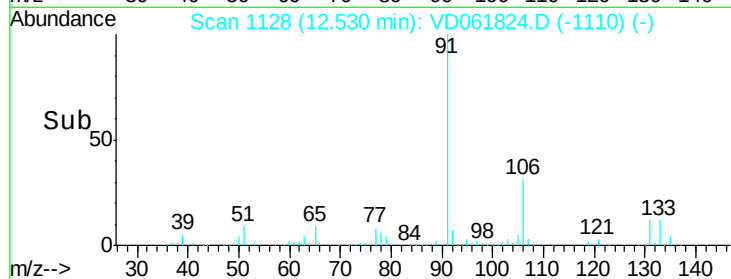
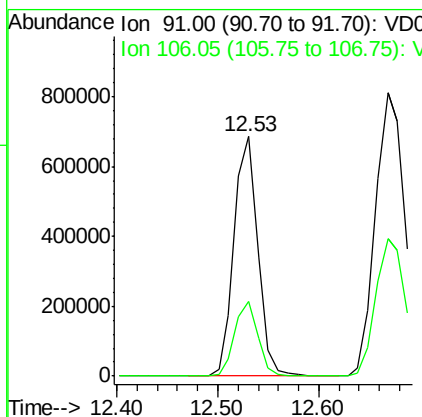
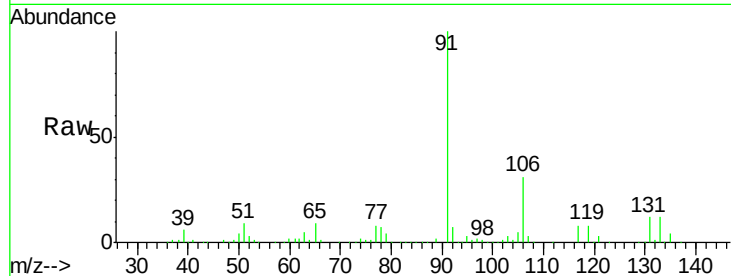




#67
Ethyl Benzene
Concen: 46.682 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

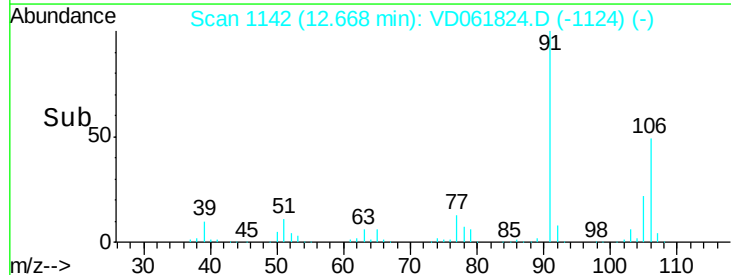
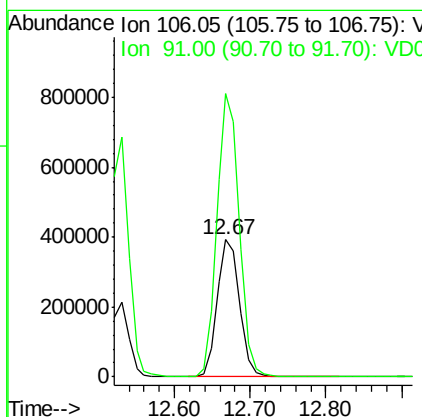
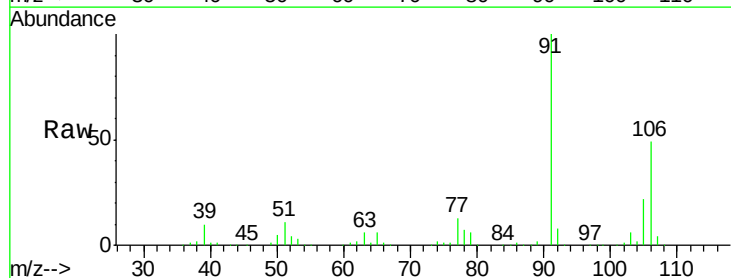
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

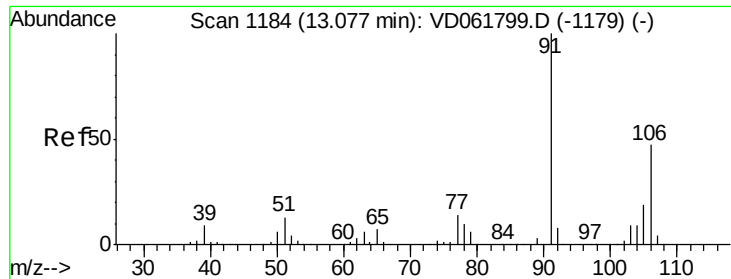
Tot Ion: 91 Resp: 1125949
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 89.894 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:106 Resp: 814444
Ion Ratio Lower Upper
106 100
91 206.0 164.0 246.0

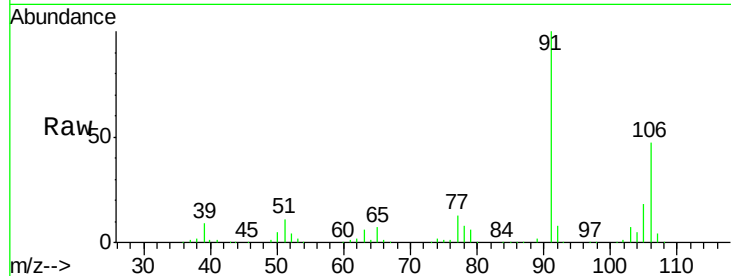




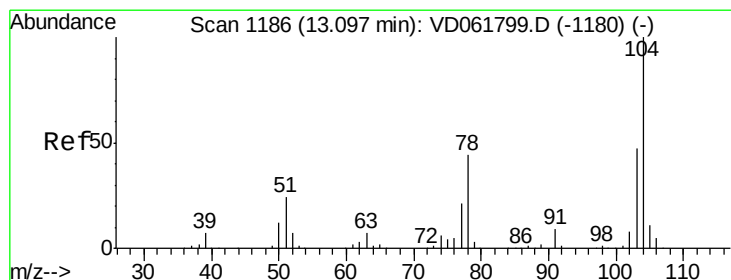
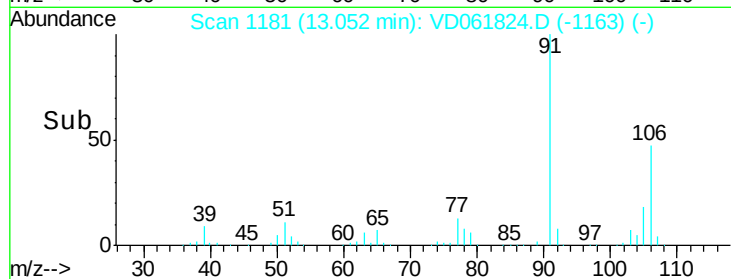
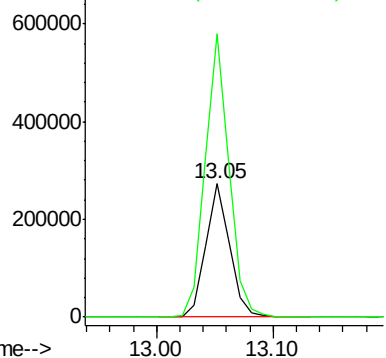
#69
o-Xylene
Concen: 45.461 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 387129
Ion Ratio Lower Upper
106 100
91 212.4 106.7 319.9

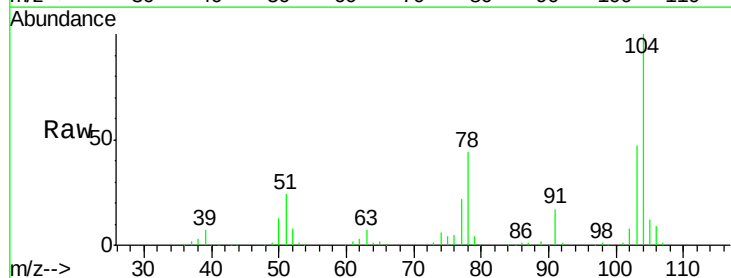


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

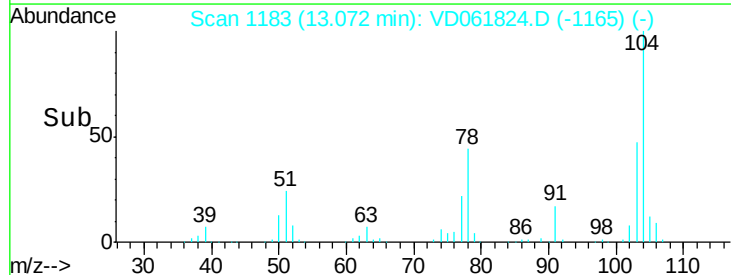
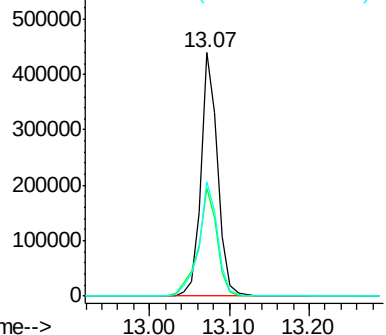


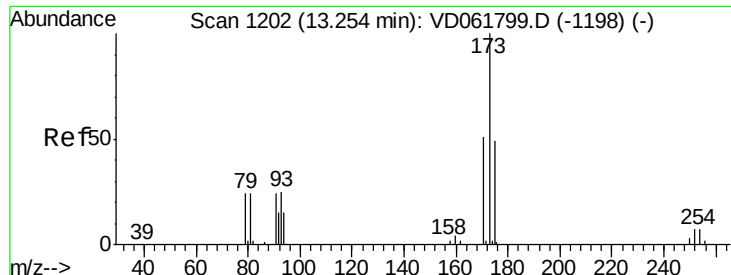
#70
Styrene
Concen: 44.129 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:104 Resp: 646680
Ion Ratio Lower Upper
104 100
78 44.5 35.4 53.2
103 46.9 37.5 56.3



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: 49.650 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

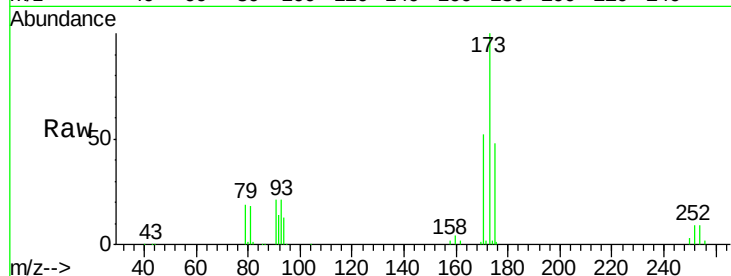
Tot Ion:173 Resp: 186013

Ion Ratio Lower Upper

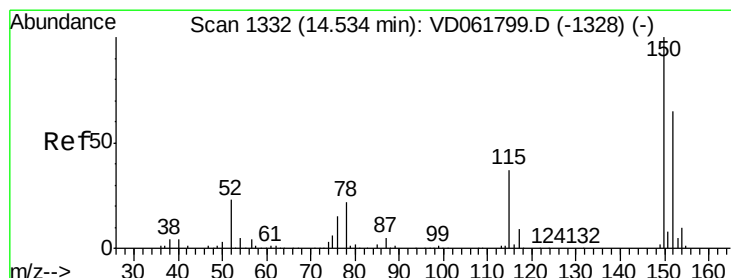
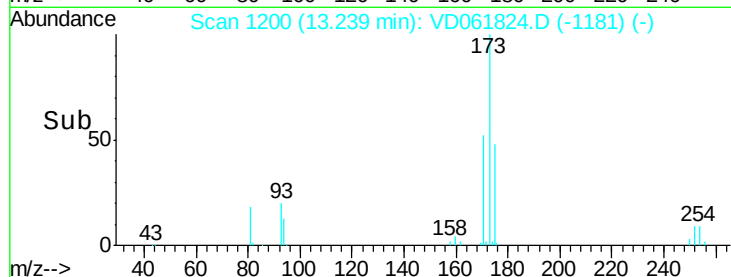
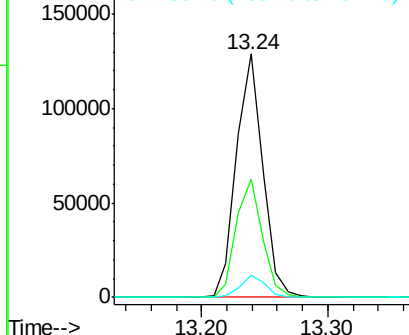
173 100

175 48.4 24.4 73.4

254 9.2 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

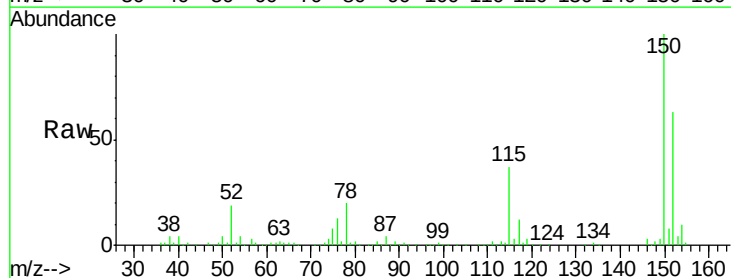
Tgt Ion:152 Resp: 364347

Ion Ratio Lower Upper

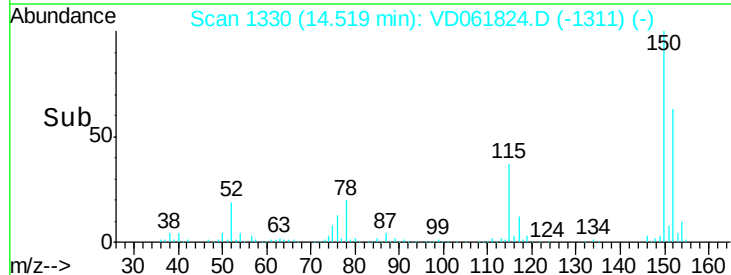
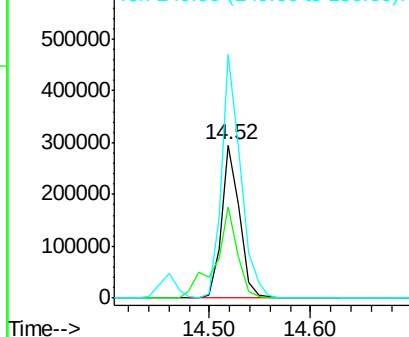
152 100

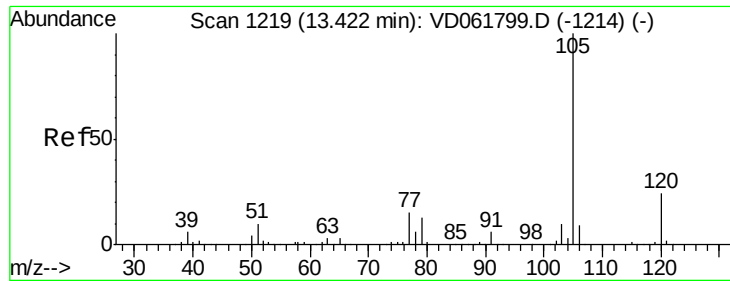
115 59.5 30.9 92.7

150 159.0 0.0 314.8



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: 44.279 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

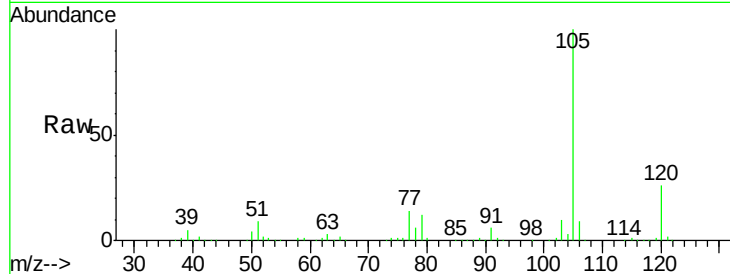
VSTDCCC050

Tot Ion:105 Resp: 1046269

Ion Ratio Lower Upper

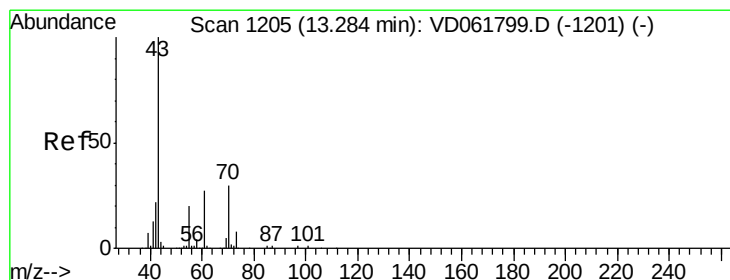
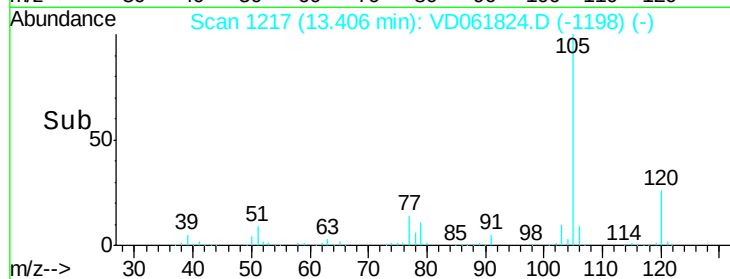
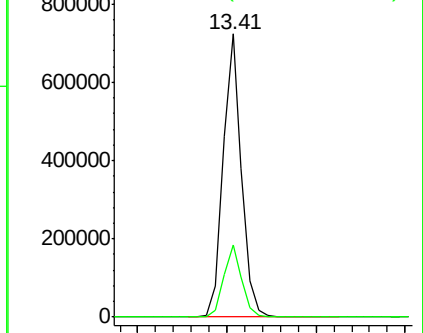
105 100

120 25.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.903 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Tgt Ion: 43 Resp: 291664

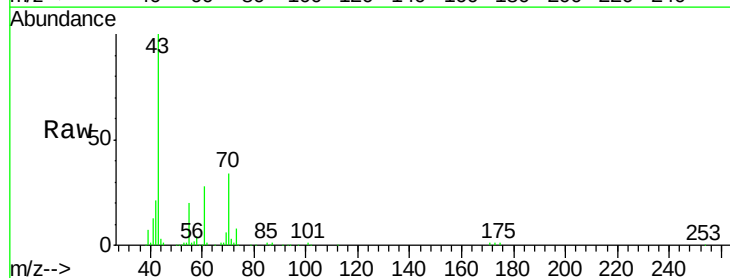
Ion Ratio Lower Upper

43 100

70 33.8 24.2 36.4

55 20.2 16.0 24.0

61 27.6 21.6 32.4

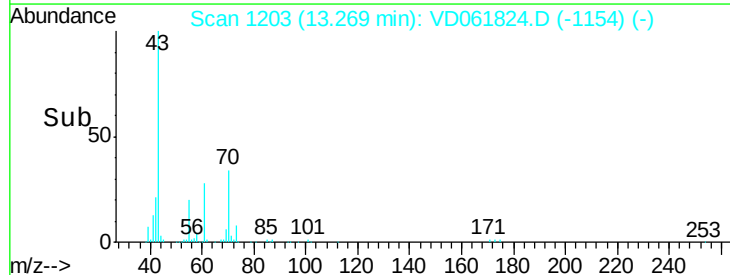
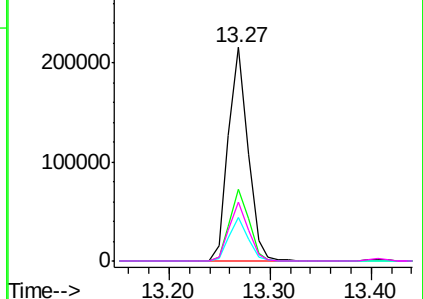


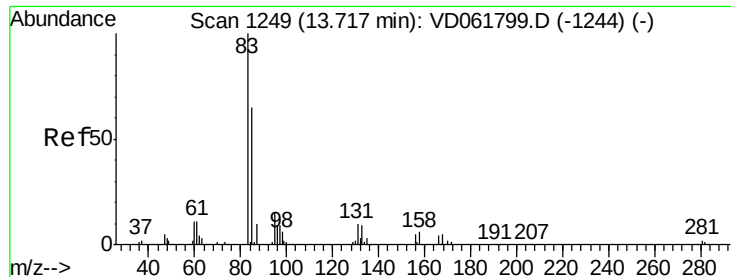
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.774 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

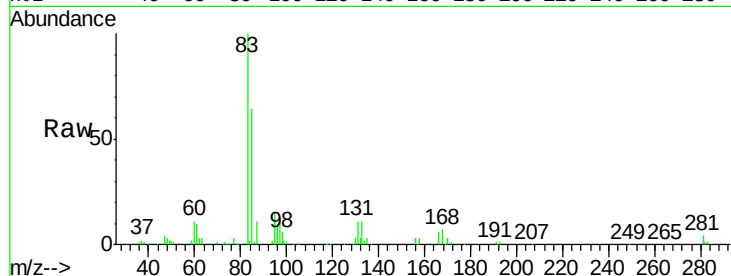
Tot Ion: 83 Resp: 227806

Ion Ratio Lower Upper

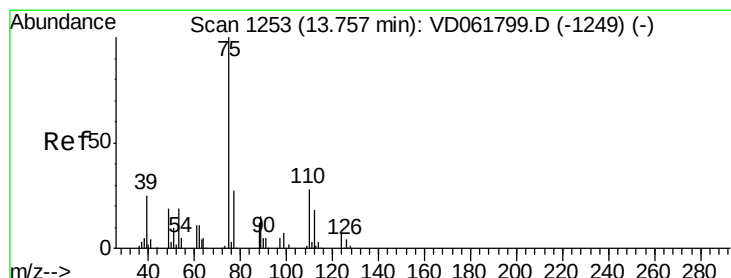
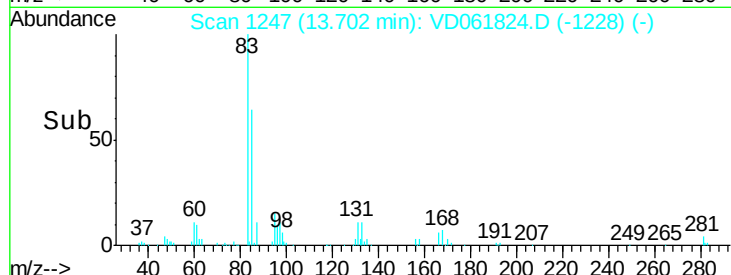
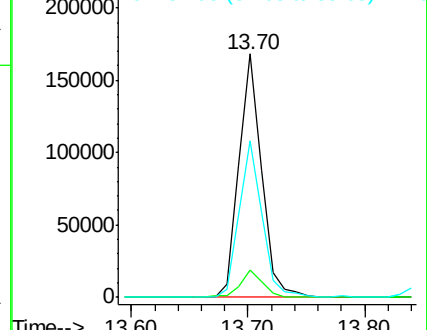
83 100

131 11.0 5.0 14.9

85 64.5 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.146 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.03 min

Lab File: VD061824.D

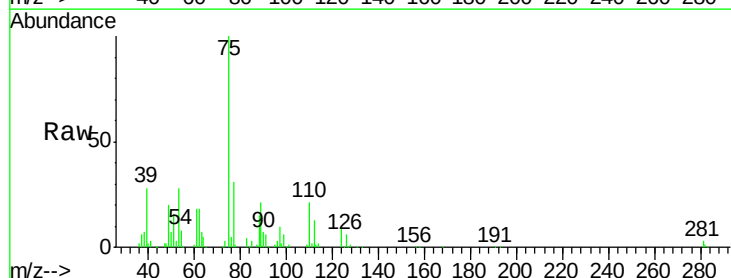
Acq: 16 Apr 2019 22:37

Tgt Ion: 75 Resp: 230369

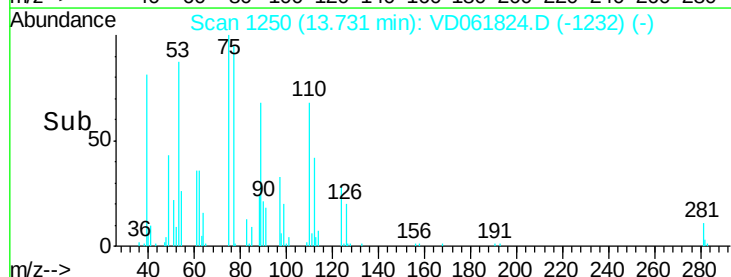
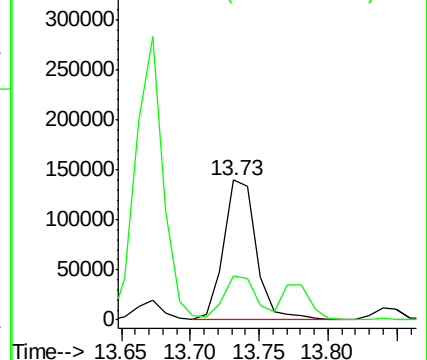
Ion Ratio Lower Upper

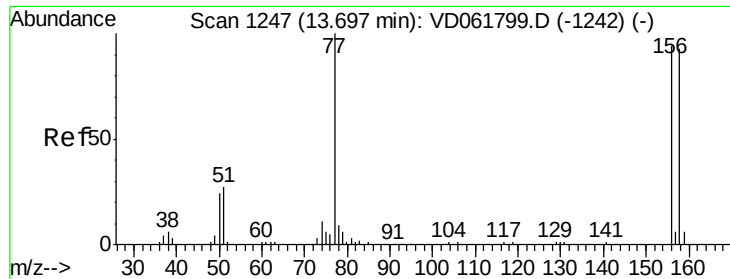
75 100

77 31.1 16.4 49.4



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





#77

Bromobenzene

Concen: 47.997 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

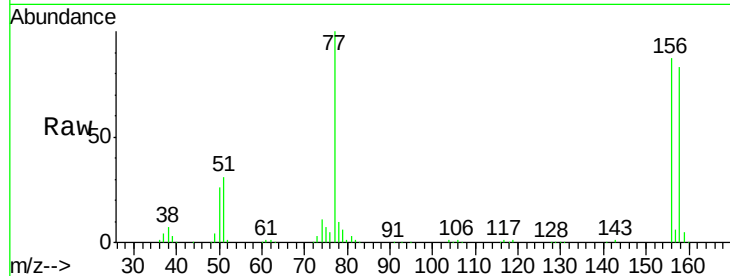
Tot Ion:156 Resp: 322164

Ion Ratio Lower Upper

156 100

77 115.4 53.1 159.4

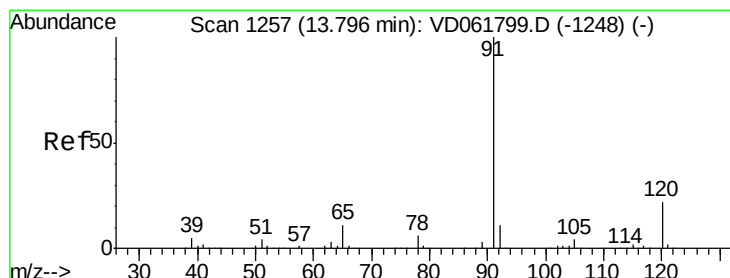
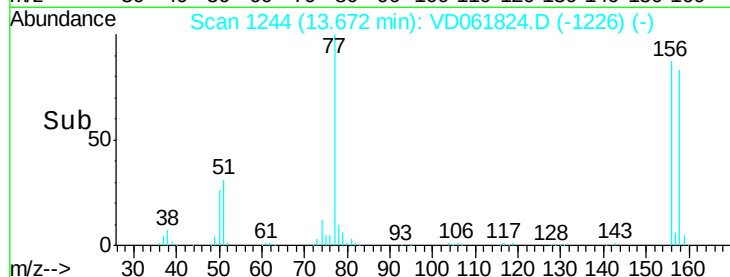
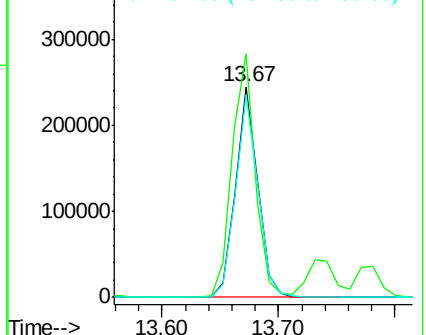
158 95.8 49.4 148.0



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: 50.300 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061824.D

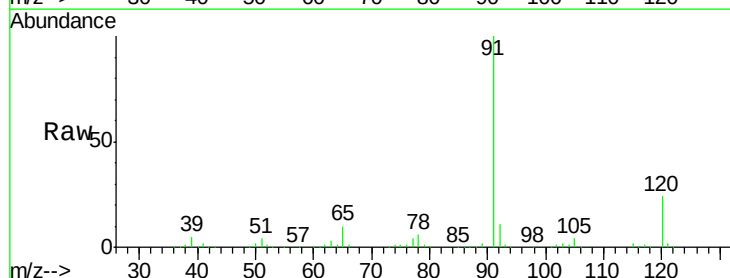
Acq: 16 Apr 2019 22:37

Tgt Ion: 91 Resp: 1373195

Ion Ratio Lower Upper

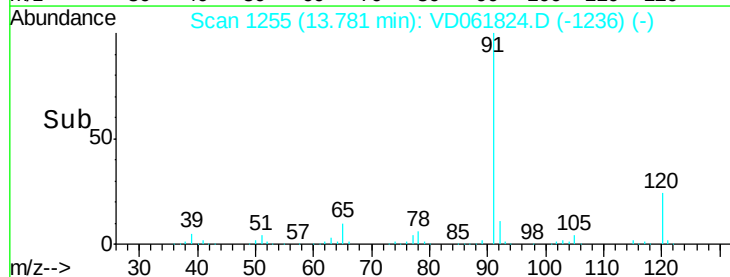
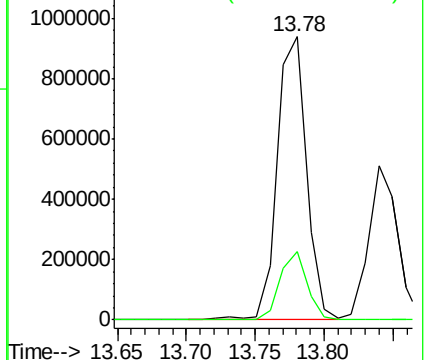
91 100

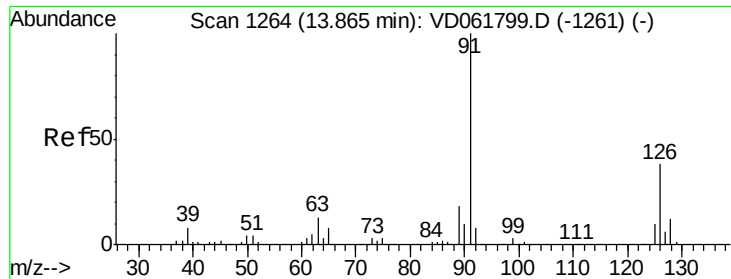
120 24.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

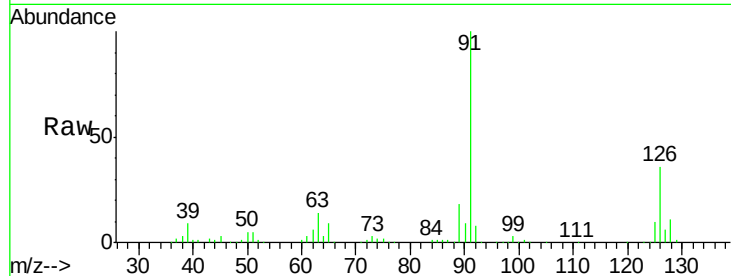




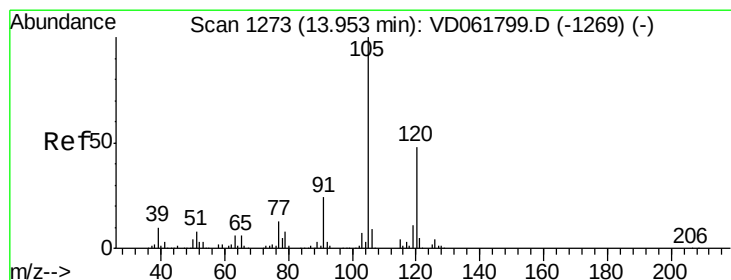
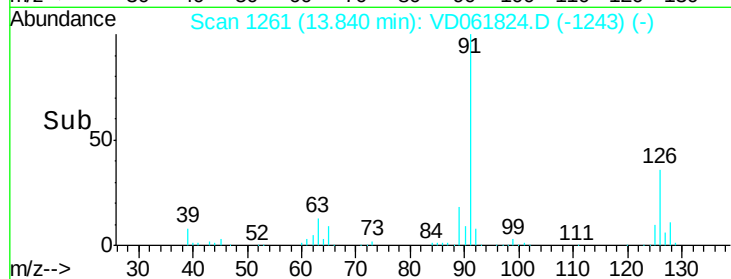
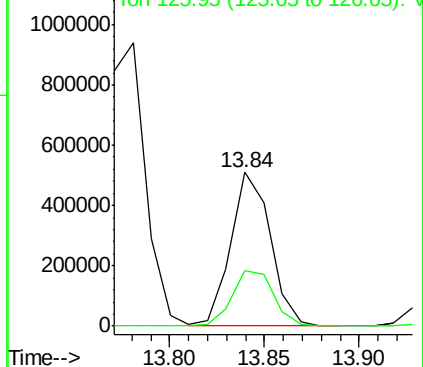
#79
 2-Chlorotoluene
 Concen: 46.191 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.03 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 736643
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.6 55.8

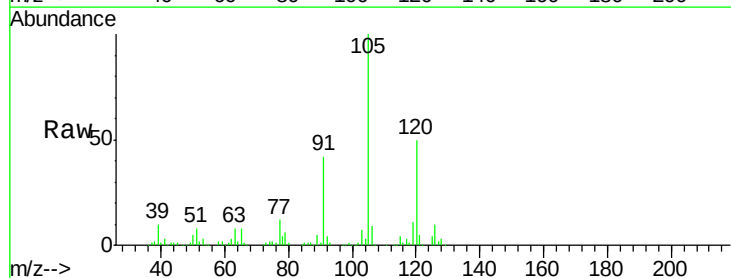


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

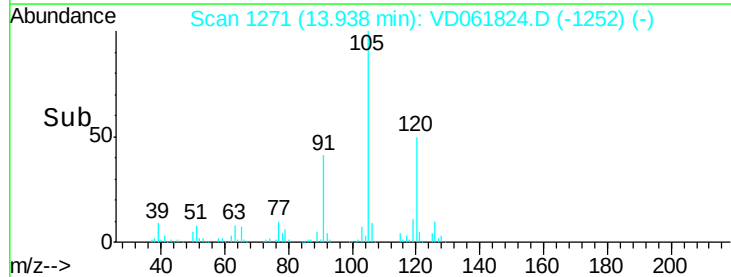
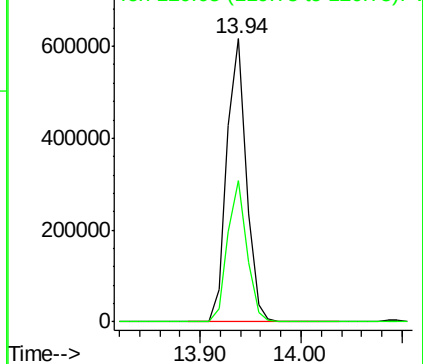


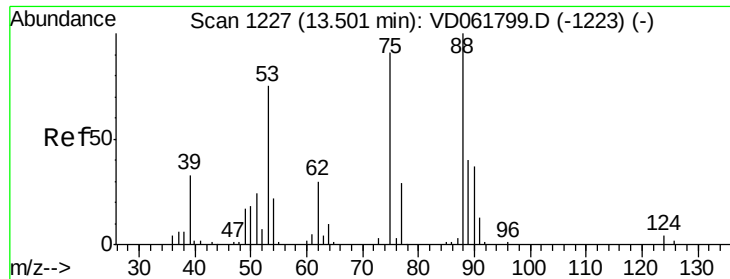
#80
 1,3,5-Trimethylbenzene
 Concen: 43.938 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 105 Resp: 823794
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

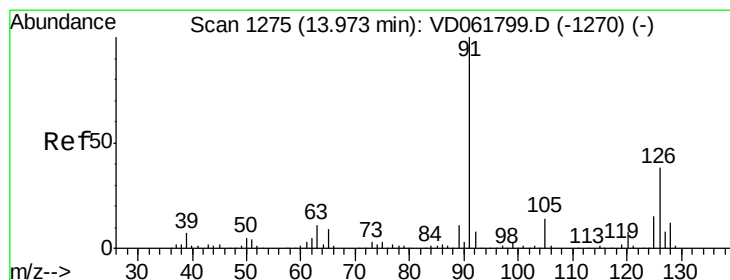
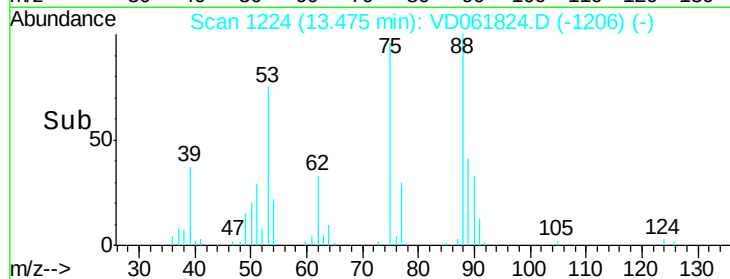
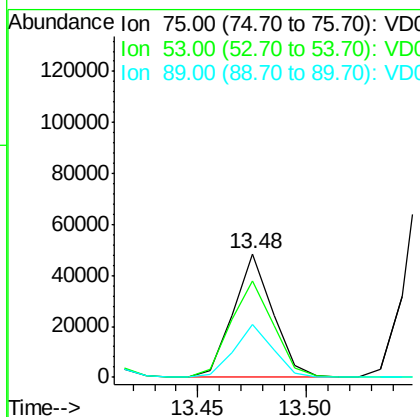
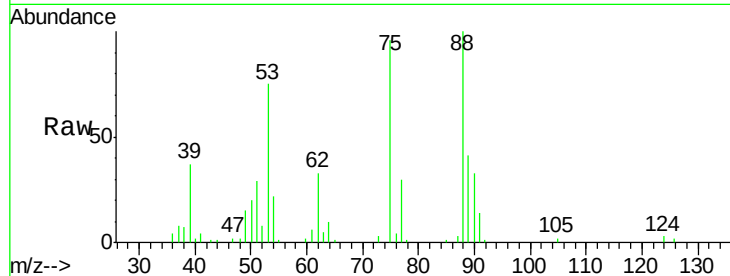




#81
trans-1,4-Dichloro-2-butene
Concen: 40.731 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

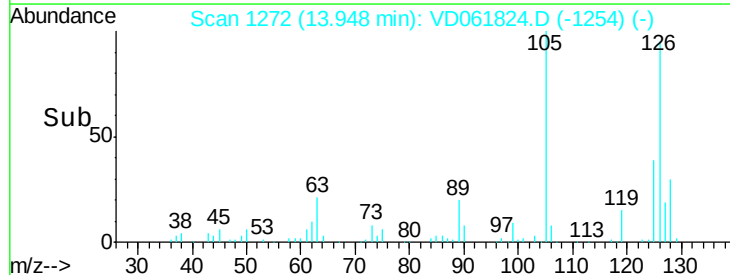
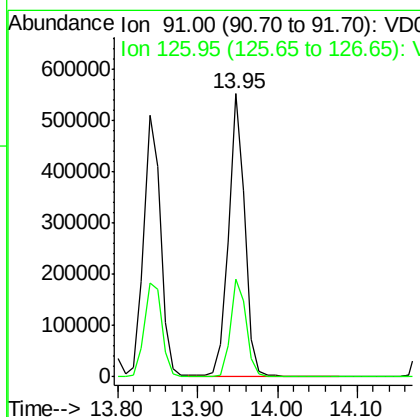
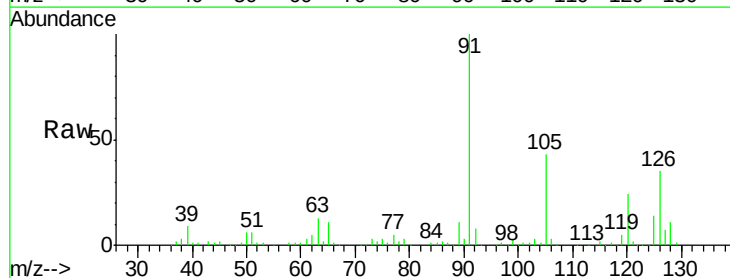
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

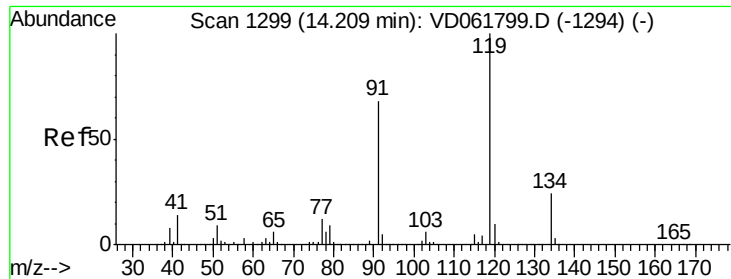
Tot Ion: 75 Resp: 62146
Ion Ratio Lower Upper
75 100
53 78.5 65.8 98.8
89 43.0 35.0 52.6



#82
4-Chlorotoluene
Concen: 43.194 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.03 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 91 Resp: 788472
Ion Ratio Lower Upper
91 100
126 34.8 19.1 57.5

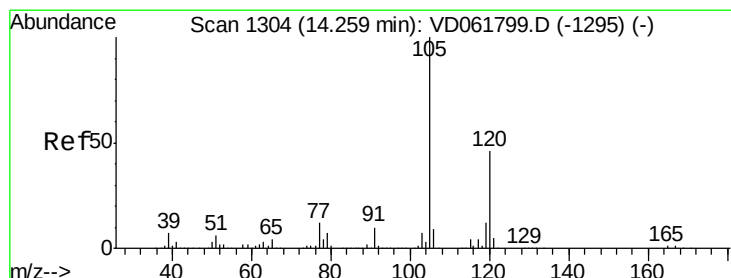
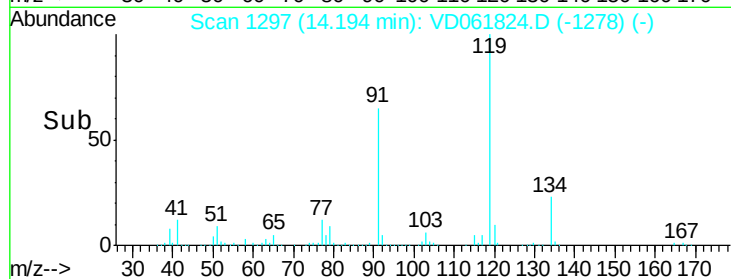
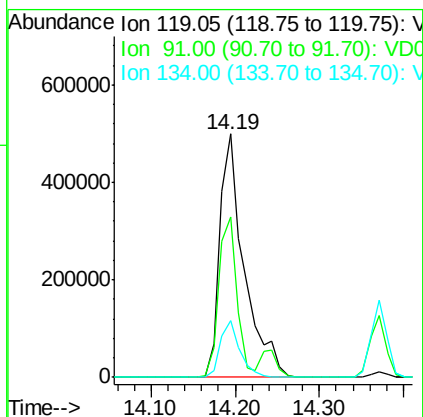
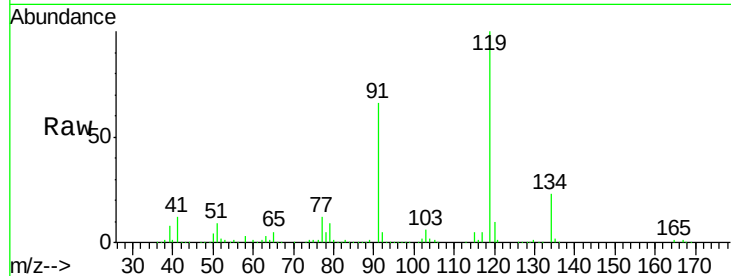




#83
 tert-Butylbenzene
 Concen: 45.651 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

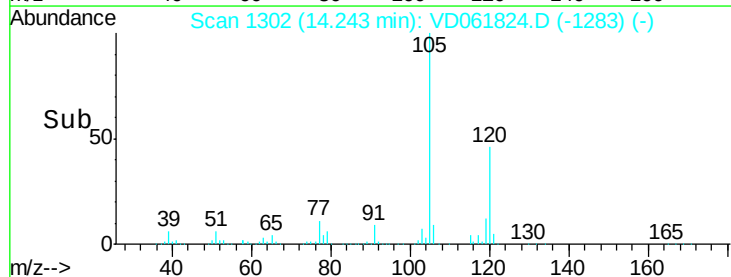
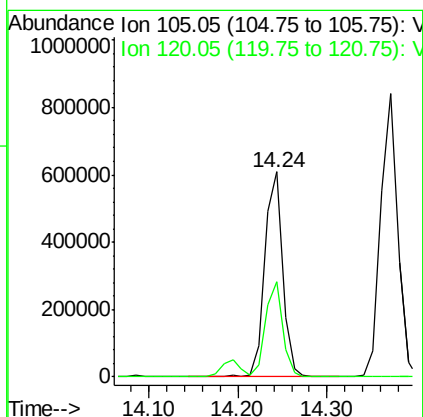
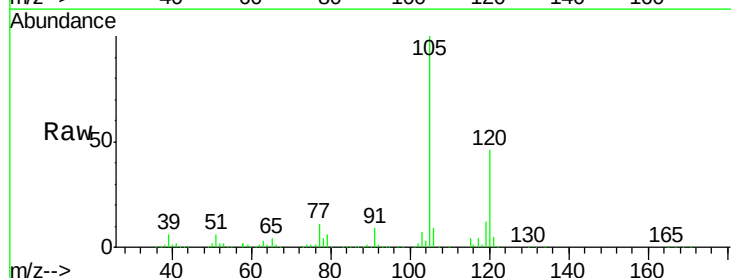
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

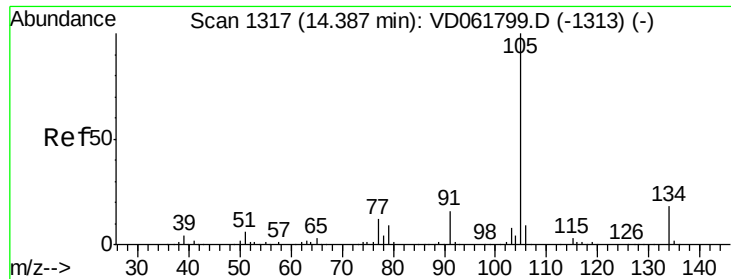
Tot Ion:119 Resp: 1004989
 Ion Ratio Lower Upper
 119 100
 91 65.6 34.2 102.6
 134 23.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 44.504 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion:105 Resp: 838729
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 48.411 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

Instrument :

MSVOA_D

ClientSampleId :

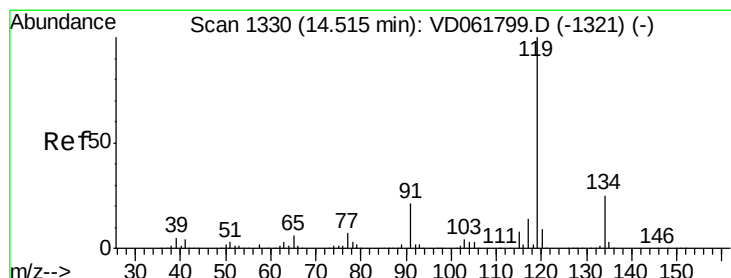
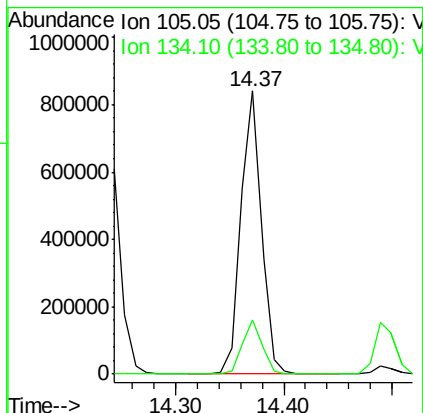
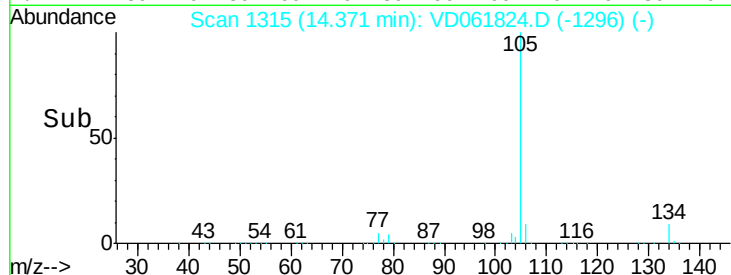
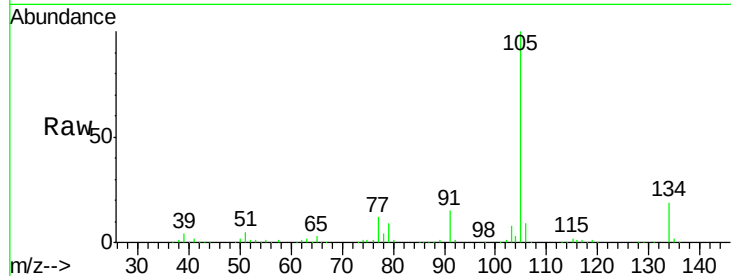
VSTDCCC050

Tot Ion:105 Resp: 1101739

Ion Ratio Lower Upper

105 100

134 19.0 8.9 26.7



#86

p-Isopropyltoluene

Concen: 39.585 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.03 min

Lab File: VD061824.D

Acq: 16 Apr 2019 22:37

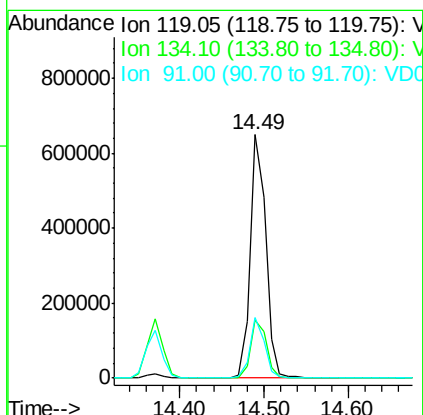
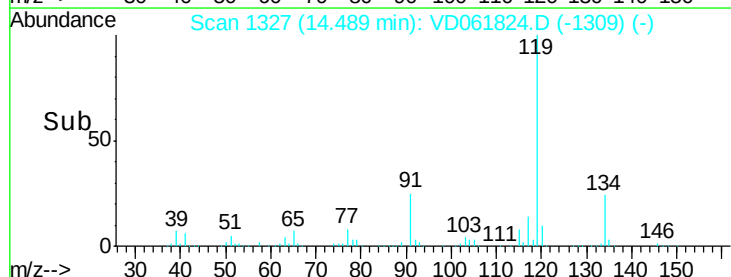
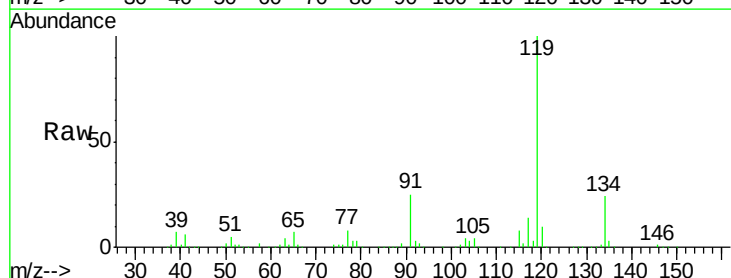
Tgt Ion:119 Resp: 842905

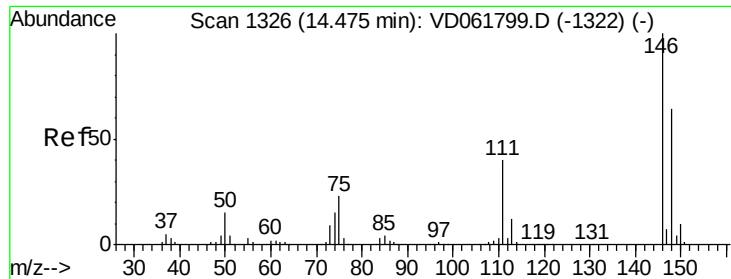
Ion Ratio Lower Upper

119 100

134 23.8 12.8 38.3

91 24.7 10.7 32.1

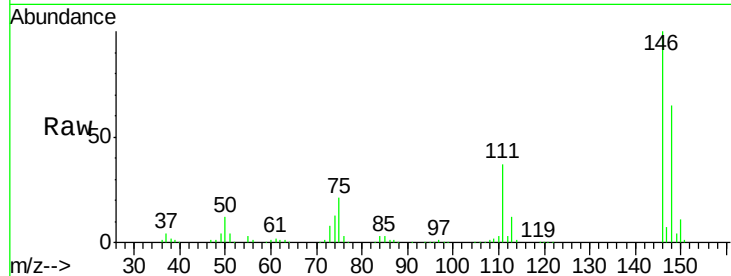




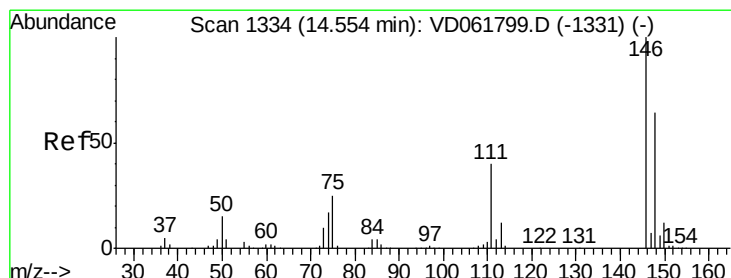
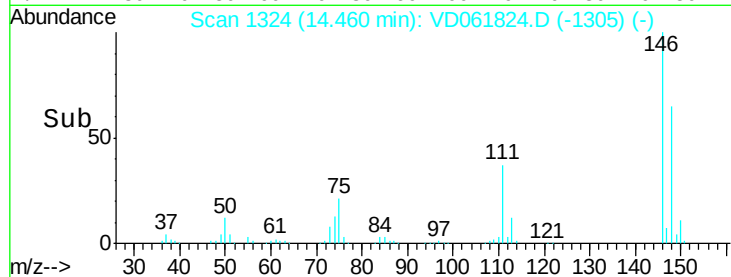
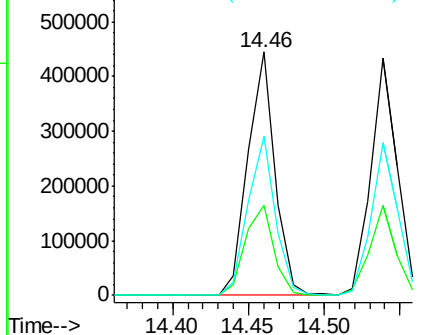
#87
 1,3-Dichlorobenzene
 Concen: 47.454 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 556061
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.0 60.0
 148 65.4 31.8 95.4

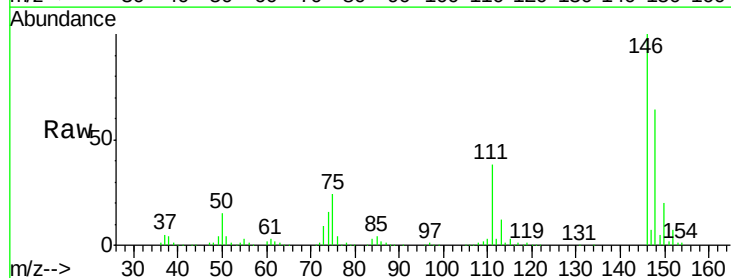


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

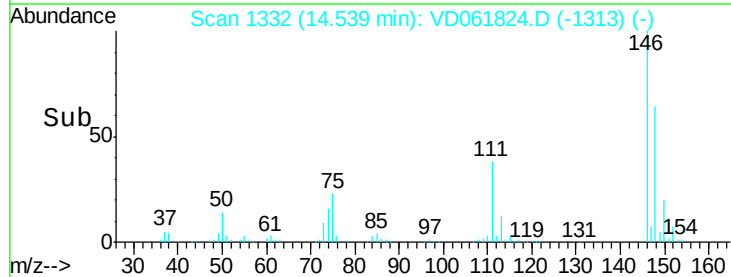
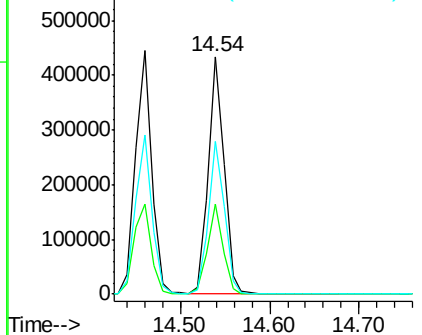


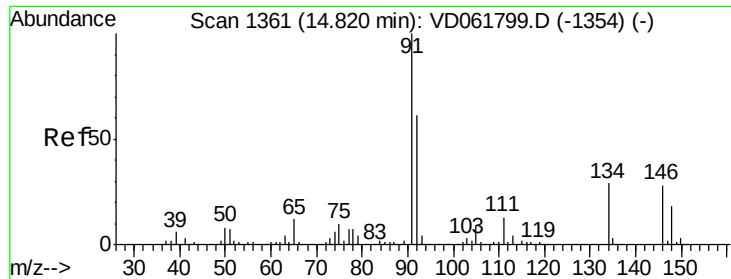
#88
 1,4-Dichlorobenzene
 Concen: 45.941 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion:146 Resp: 532140
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.2 60.5
 148 64.2 32.0 96.2



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

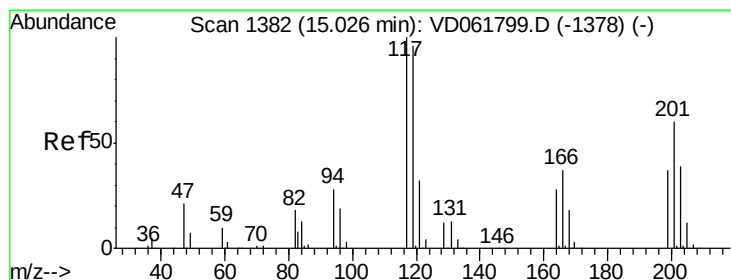
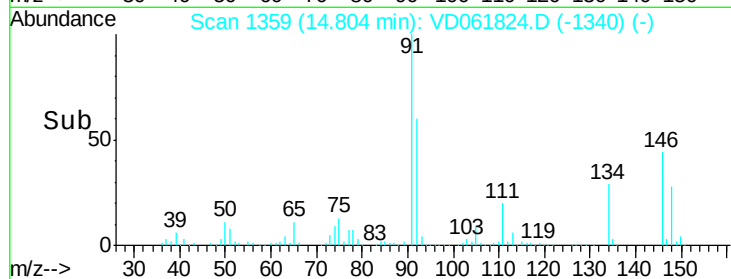
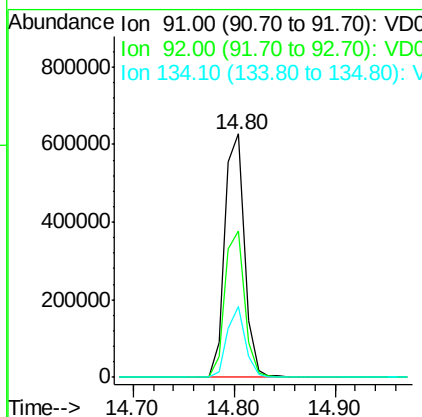
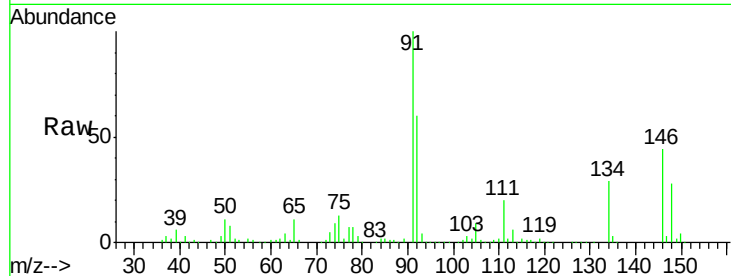




#89
n-Butylbenzene
Concen: 45.658 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

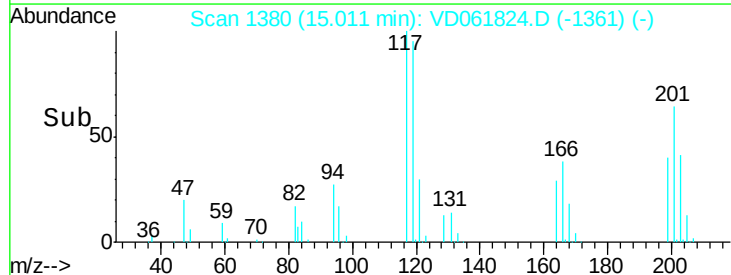
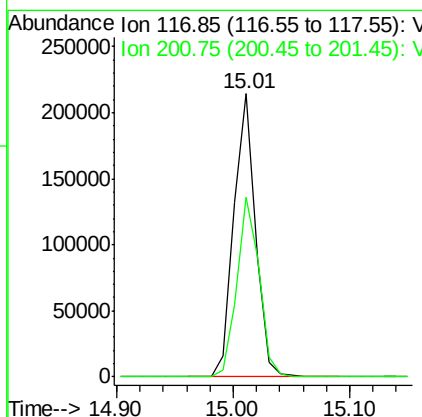
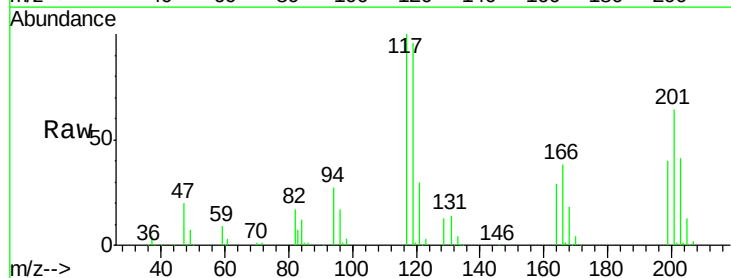
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

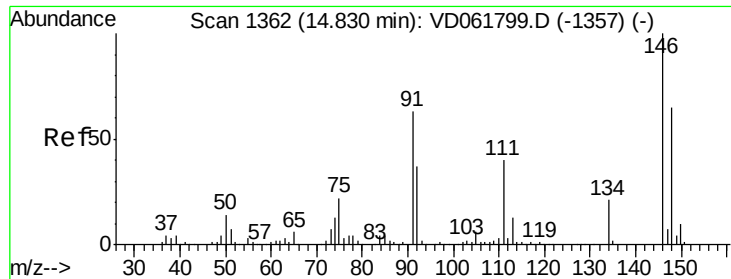
Tot Ion: 91 Resp: 860586
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 29.2 14.5 43.6



#90
Hexachloroethane
Concen: 47.634 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion: 117 Resp: 276455
Ion Ratio Lower Upper
117 100
201 63.6 30.2 90.6

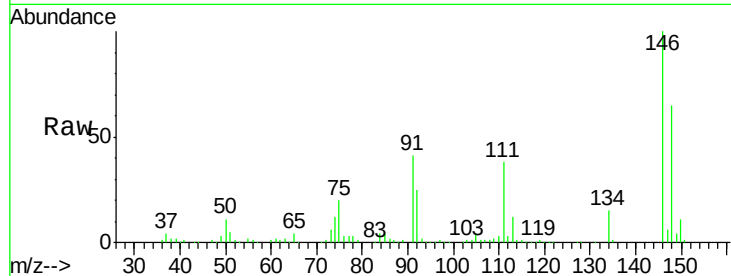




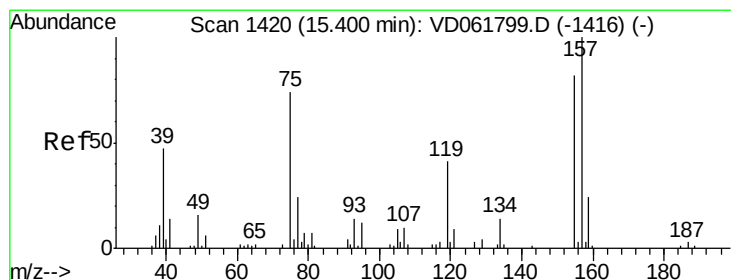
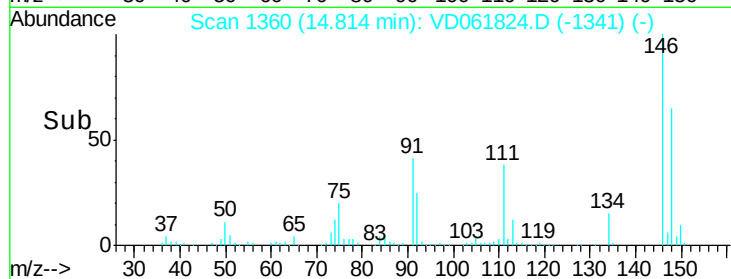
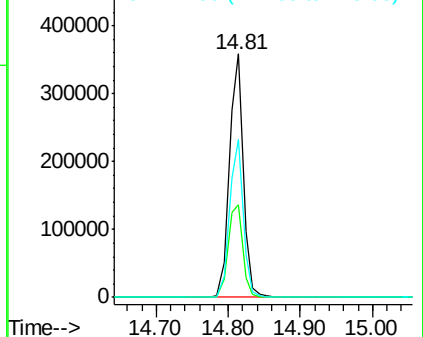
#91
 1,2-Dichlorobenzene
 Concen: 48.818 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 479164
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 59.9
 148 64.8 32.3 96.8

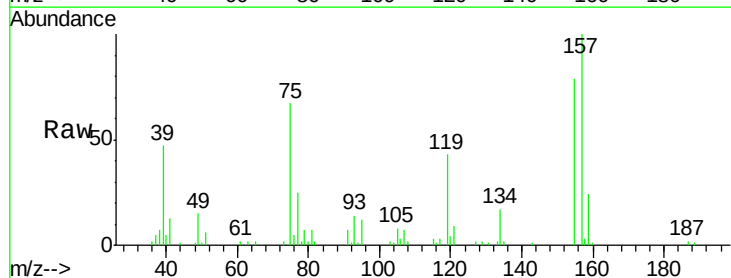


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

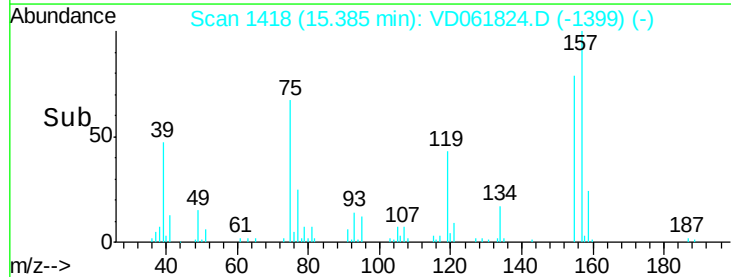
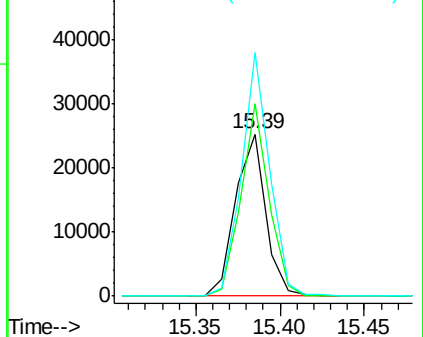


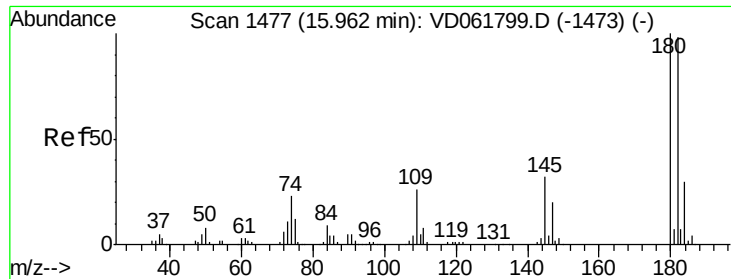
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.344 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion: 75 Resp: 31412
 Ion Ratio Lower Upper
 75 100
 155 118.5 55.3 165.8
 157 150.3 67.8 203.2



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

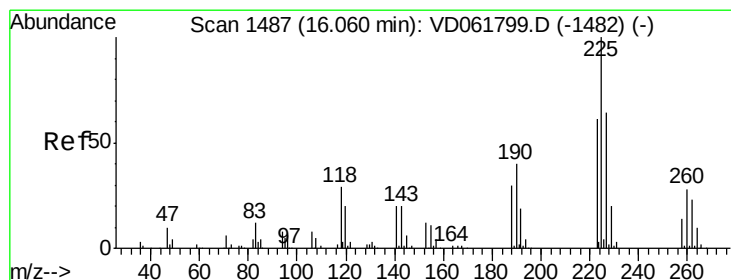
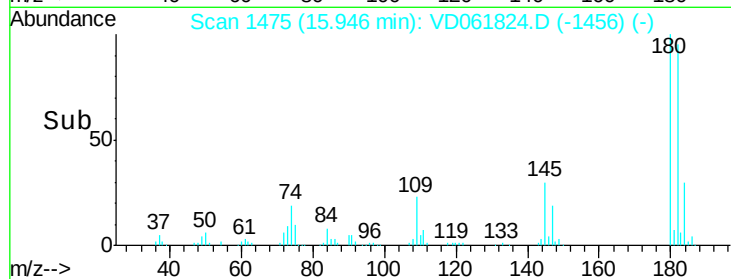
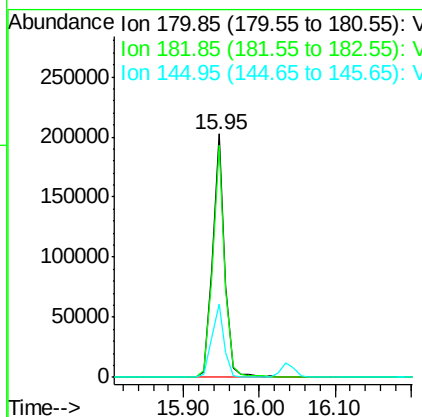
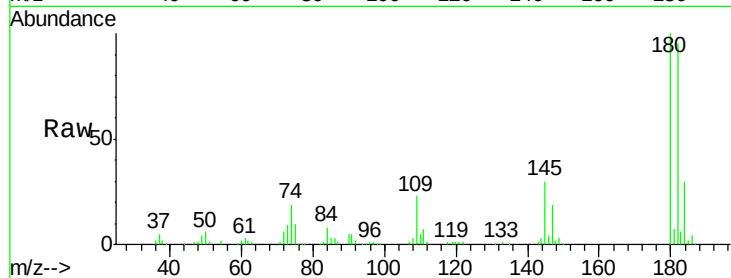




#93
 1,2,4-Trichlorobenzene
 Concen: 42.560 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

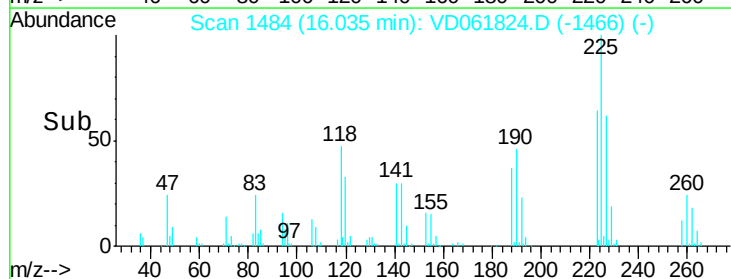
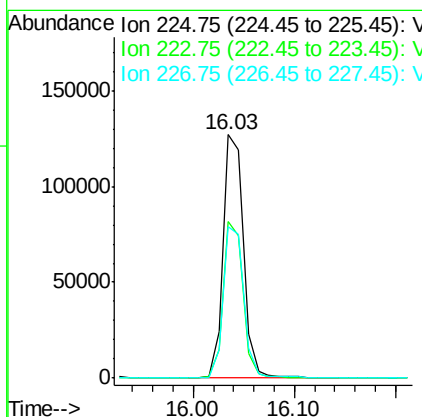
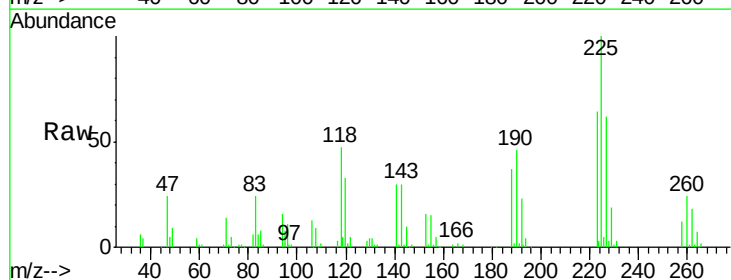
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

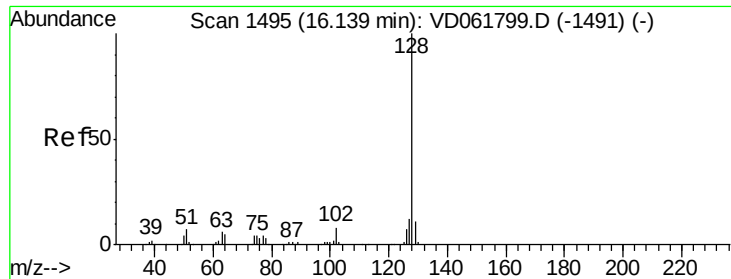
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	49.3	147.8
145	30.2	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 45.771 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.03 min
 Lab File: VD061824.D
 Acq: 16 Apr 2019 22:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.6	92.0
227	62.4	32.0	96.2

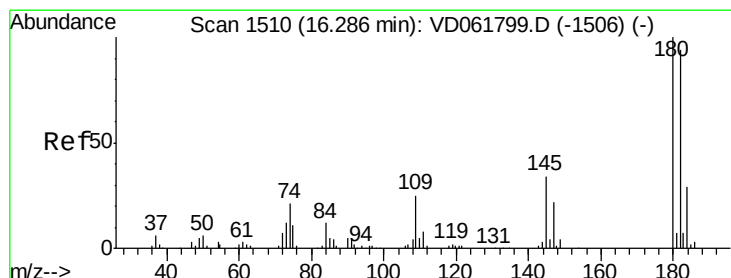
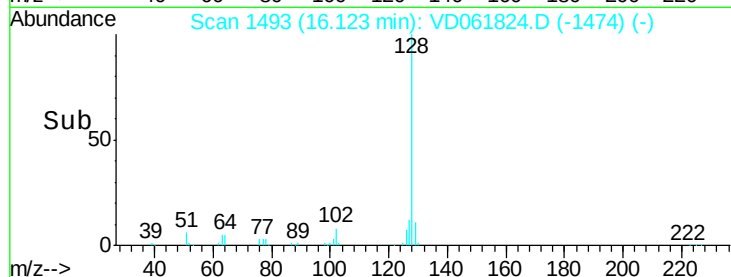
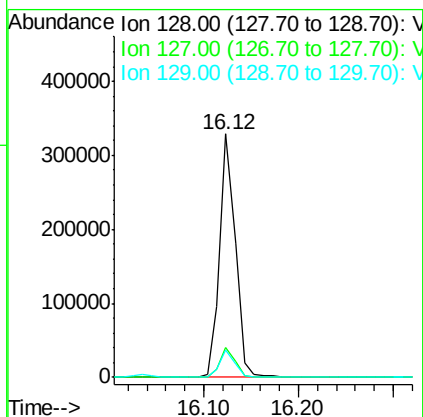
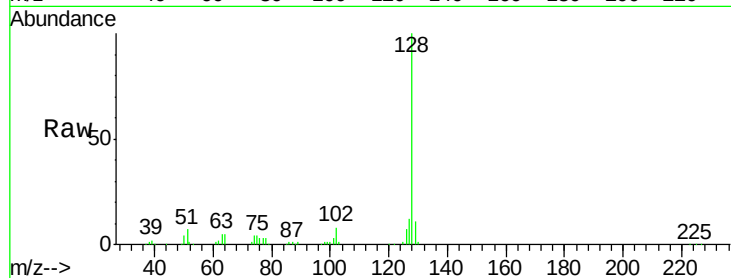




#95
Naphthalene
Concen: 46.066 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 380633
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 43.443 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.02 min
Lab File: VD061824.D
Acq: 16 Apr 2019 22:37

Tgt Ion:180 Resp: 133462
Ion Ratio Lower Upper
180 100
182 95.6 47.0 141.0
145 32.4 17.0 51.0

