

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060995.D
 Acq On : 8 Mar 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 08 23:08:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	722278	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1241390	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1038550	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	451766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	276737	46.03	ug/l	0.01
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	6.93	113	465527	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.41	98	1076394	46.53	ug/l	0.01
Spiked Amount			Recovery	=	93.06%	
62) 4-Bromofluorobenzene	13.55	95	435435	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	341614	47.747	ug/l	100
3) Chloromethane	1.76	50	290730	48.780	ug/l	97
4) Vinyl Chloride	1.86	62	261508	47.485	ug/l	97
5) Bromomethane	2.16	94	57226	61.387	ug/l	94
6) Chloroethane	2.28	64	85640	51.953	ug/l	93
7) Trichlorofluoromethane	2.54	101	363597	45.959	ug/l	96
8) Diethyl Ether	2.88	74	145193	55.631	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	441817	49.951	ug/l	96
10) Methyl Iodide	3.31	142	604381	49.640	ug/l	99
11) Tert butyl alcohol	4.06	59	112774	294.646	ug/l	99
12) 1,1-Dichloroethene	3.14	96	372193	51.336	ug/l	97
13) Acrolein	3.04	56	122469	221.145	ug/l	98
14) Allyl chloride	3.63	41	625891	53.955	ug/l	99
15) Acrylonitrile	4.20	53	384474	284.219	ug/l	95
16) Acetone	3.23	43	414210	240.929	ug/l	98
17) Carbon Disulfide	3.38	76	1190637	48.682	ug/l	99
18) Methyl Acetate	3.65	43	204654	60.488	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	704158	55.419	ug/l	98
20) Methylene Chloride	3.83	84	408844	52.377	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	409370	52.167	ug/l	96
22) Diisopropyl ether	5.13	45	1198025	49.750	ug/l	98
23) Vinyl Acetate	5.07	43	3299888	266.940	ug/l	100
24) 1,1-Dichloroethane	5.00	63	711024	53.890	ug/l	99
25) 2-Butanone	6.07	43	549945	281.901	ug/l	100
26) 2,2-Dichloropropane	6.03	77	526368	51.104	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	464618	55.803	ug/l	99
28) Bromochloromethane	6.45	49	281286	50.359	ug/l	97
29) Tetrahydrofuran	6.46	42	271543	256.340	ug/l	99
30) Chloroform	6.67	83	692464	50.639	ug/l	98
31) Cyclohexane	6.97	56	565056	53.113	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	588204	49.754	ug/l	100
36) 1,1-Dichloropropene	7.15	75	520680	48.659	ug/l	99
37) Ethyl Acetate	6.19	43	267684	53.309	ug/l	96
38) Carbon Tetrachloride	7.12	117	617376	52.378	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	528916	47.669	ug/l	97
40) Benzene	7.46	78	1266826	47.379	ug/l	100
41) Methacrylonitrile	6.46	41	292443	50.633	ug/l	94
42) 1,2-Dichloroethane	7.59	62	391956	50.514	ug/l	98
43) Isopropyl Acetate	9.24	43	368411	52.972	ug/l	98
44) Trichloroethene	8.54	130	457629	49.610	ug/l	96
45) 1,2-Dichloropropane	8.95	63	343332	48.875	ug/l	99
46) Dibromomethane	9.06	93	236380	53.048	ug/l	93
47) Bromodichloromethane	9.38	83	537044	53.409	ug/l	99
48) Methyl methacrylate	9.12	41	202638	51.749	ug/l	99
49) 1,4-Dioxane	9.08	88	43691	1103.417	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	1202045	282.122	ug/l	97
52) Toluene	10.51	92	916475	55.120	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	485553	52.809	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	575548	52.098	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	295195	53.313	ug/l	96
56) Ethyl methacrylate	11.04	69	312847	53.979	ug/l	96
57) 1,3-Dichloropropane	11.41	76	452474	54.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	758274	247.171	ug/l	99
59) 2-Hexanone	11.53	43	839309	269.295	ug/l	98
60) Dibromochloromethane	11.69	129	424693	52.116	ug/l	98
61) 1,2-Dibromoethane	11.81	107	336023	52.168	ug/l	99
64) Tetrachloroethene	11.26	164	358020	51.068	ug/l	98
65) Chlorobenzene	12.40	112	986076	48.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	378171	52.108	ug/l	99
67) Ethyl Benzene	12.53	91	1578922	52.091	ug/l	99
68) m/p-Xylenes	12.67	106	1197356	100.645	ug/l	98
69) o-Xylene	13.05	106	575036	49.173	ug/l	96
70) Styrene	13.07	104	915808	47.960	ug/l	98
71) Bromoform	13.24	173	253921	54.236	ug/l	99
73) Isopropylbenzene	13.41	105	1606755	49.351	ug/l	99
74) N-amyl acetate	13.27	43	449561	49.038	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	319815	50.347	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	343699	52.881	ug/l	99
77) Bromobenzene	13.67	156	415612	50.007	ug/l	94
78) n-propylbenzene	13.78	91	1782741	46.772	ug/l	95
79) 2-Chlorotoluene	13.84	91	888151	42.325	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1244195	50.338	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99208	51.774	ug/l	98
82) 4-Chlorotoluene	13.95	91	1132342	45.646	ug/l	97
83) tert-Butylbenzene	14.19	119	1384903	51.199	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1244195	50.338	ug/l	98
85) sec-Butylbenzene	14.37	105	1568170	47.488	ug/l	98
86) p-Isopropyltoluene	14.49	119	1264815	46.858	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	740913	49.925	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	724785	49.698	ug/l	98
89) n-Butylbenzene	14.80	91	1208935	46.639	ug/l	96
90) Hexachloroethane	15.01	117	375594	49.278	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	629290	50.864	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	42141	55.052	ug/l	96

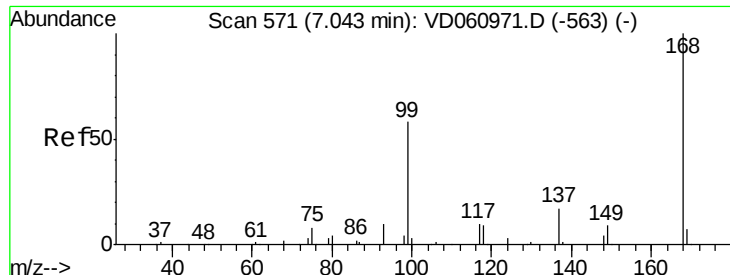
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	295275	51.447	ug/l	100
94) Hexachlorobutadiene	16.04	225	214453	49.400	ug/l	97
95) Naphthalene	16.12	128	466007	53.431	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	130115	45.901	ug/l	97

(#) = 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. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

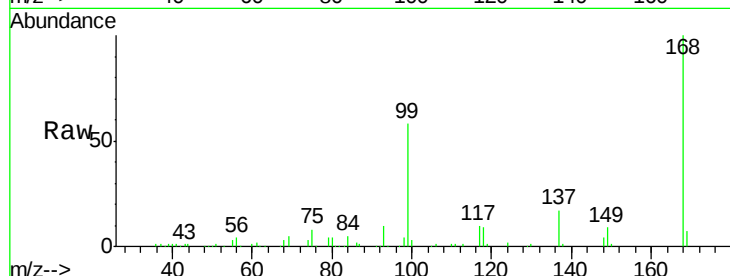
VSTDCCC050EC

Tot Ion:168 Resp: 722278

Ion Ratio Lower Upper

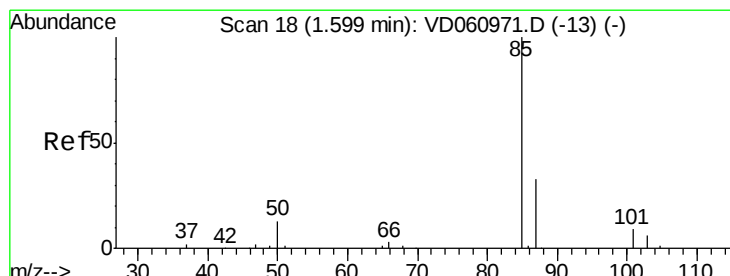
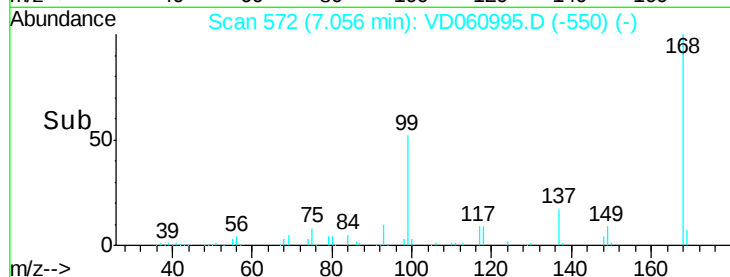
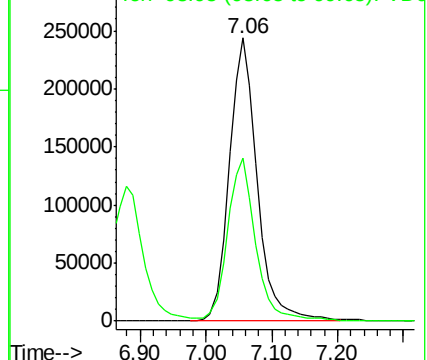
168 100

99 57.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.747 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060995.D

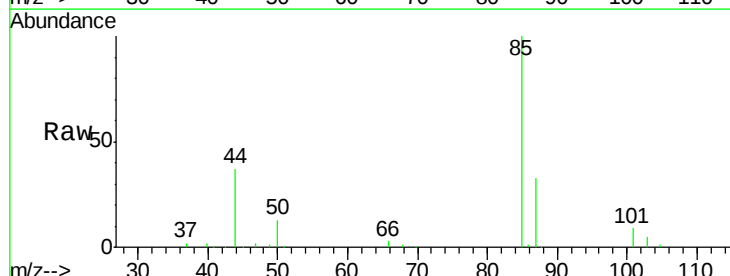
Acq: 8 Mar 2019 21:04

Tgt Ion: 85 Resp: 341614

Ion Ratio Lower Upper

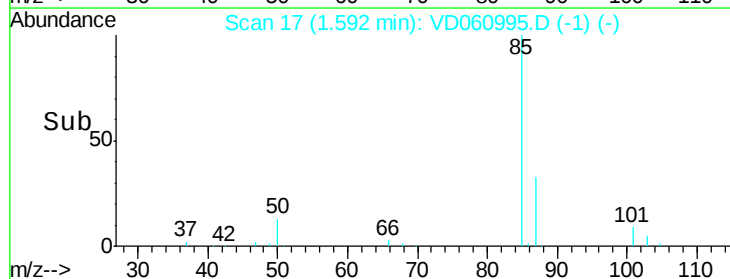
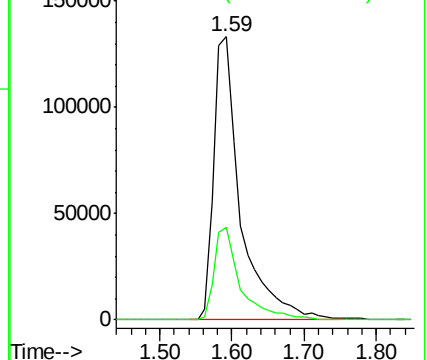
85 100

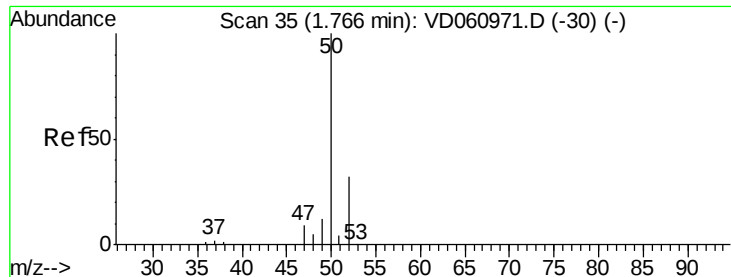
87 32.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.780 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

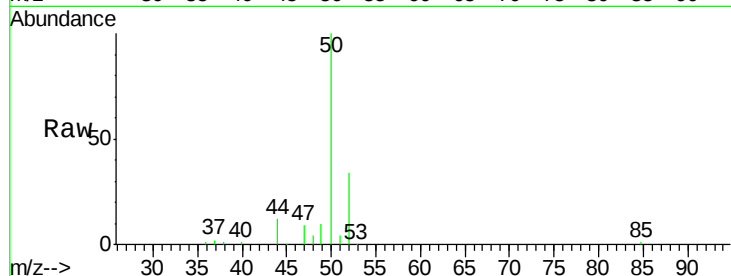
VSTDCCC050EC

Tot Ion: 50 Resp: 290730

Ion Ratio Lower Upper

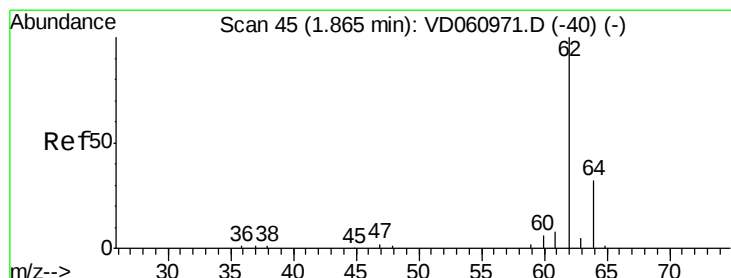
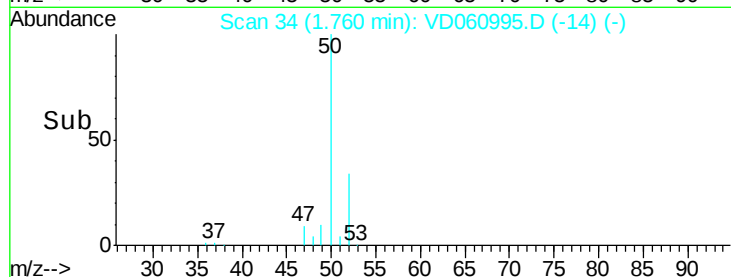
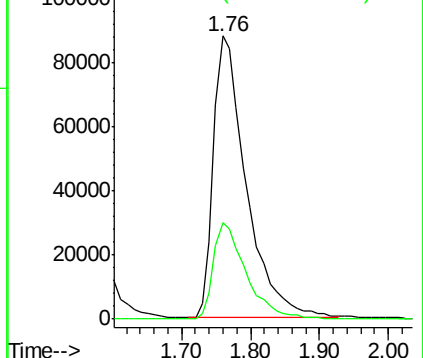
50 100

52 33.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.485 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060995.D

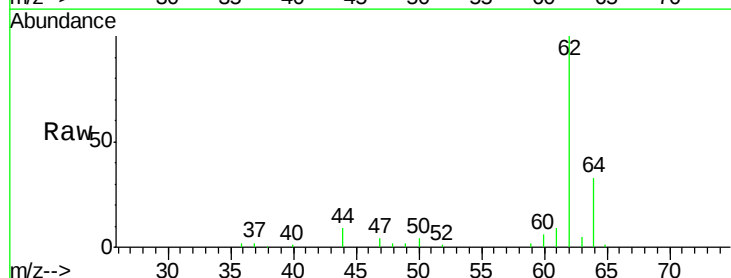
Acq: 8 Mar 2019 21:04

Tgt Ion: 62 Resp: 261508

Ion Ratio Lower Upper

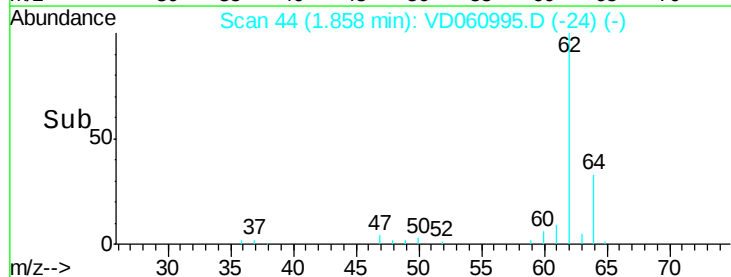
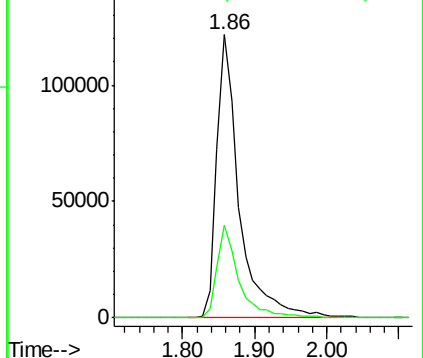
62 100

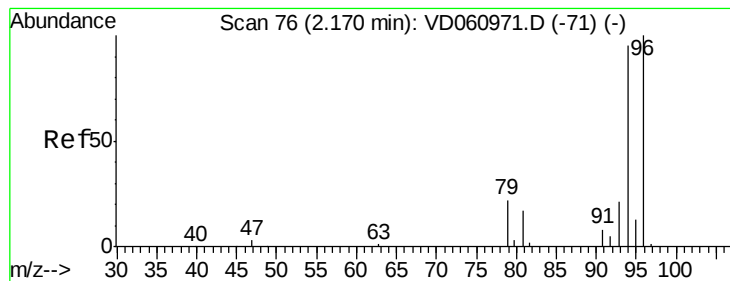
64 32.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.387 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

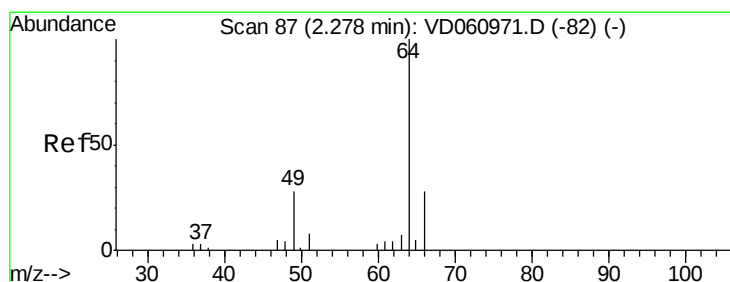
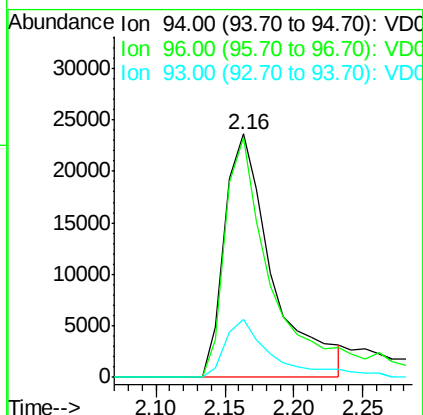
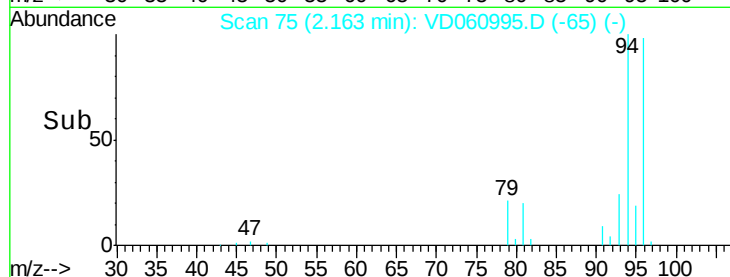
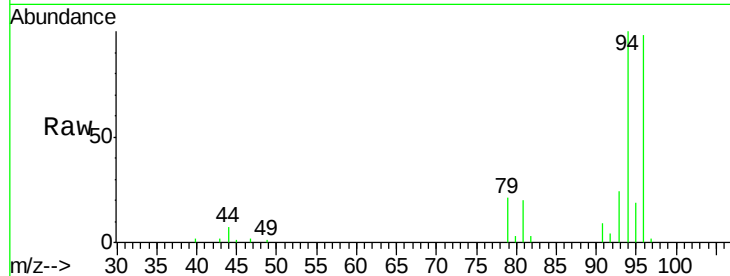
Tot Ion: 94 Resp: 57226

Ion Ratio Lower Upper

94 100

96 98.4 84.0 126.0

93 23.6 17.3 25.9



#6

Chloroethane

Concen: 51.953 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060995.D

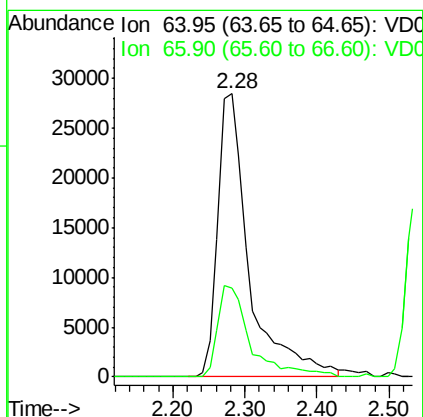
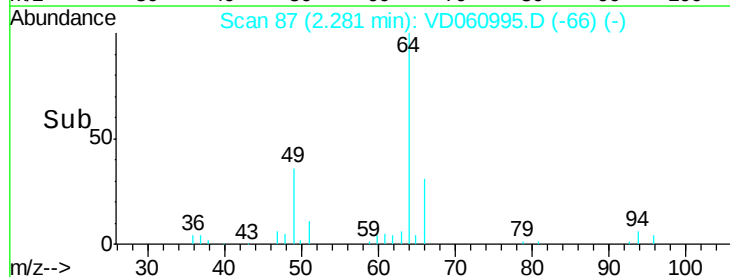
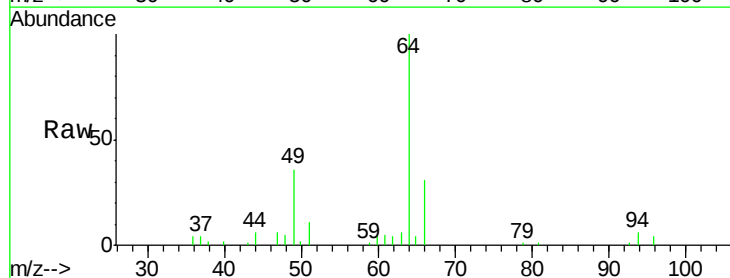
Acq: 8 Mar 2019 21:04

Tgt Ion: 64 Resp: 85640

Ion Ratio Lower Upper

64 100

66 31.2 22.2 33.2



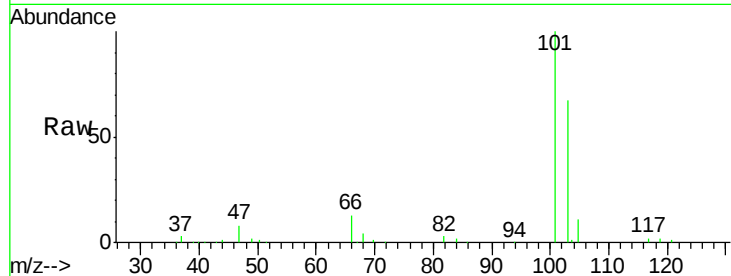


#7

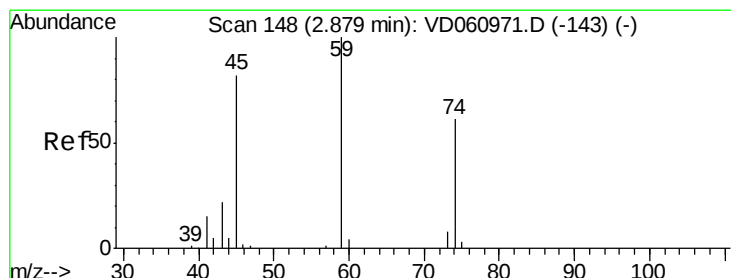
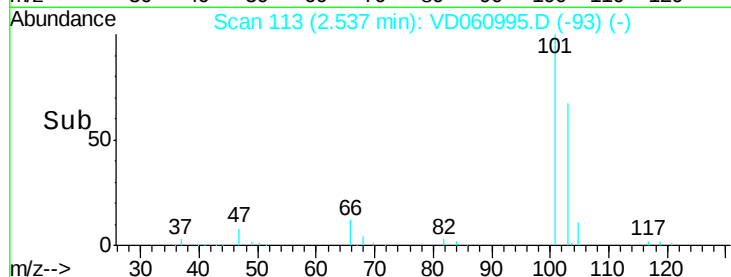
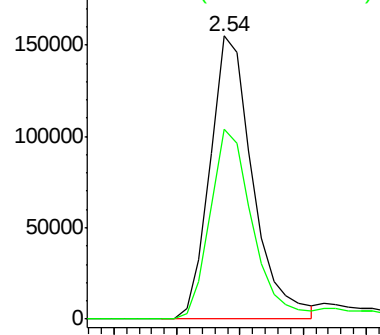
Trichlorofluoromethane
Concen: 45.959 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 363597
Ion Ratio Lower Upper
101 100
103 66.9 51.2 76.8



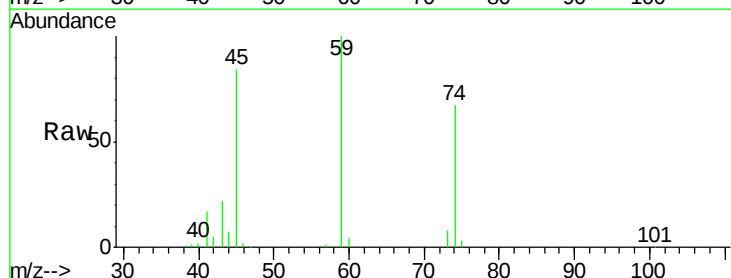
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



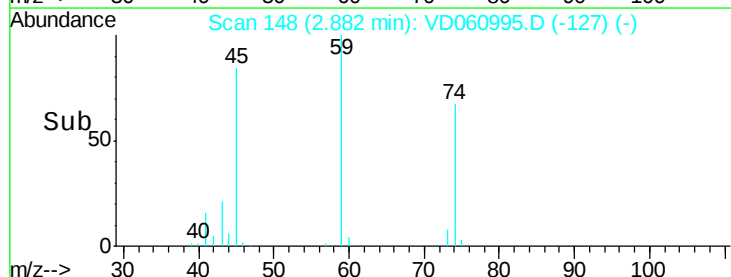
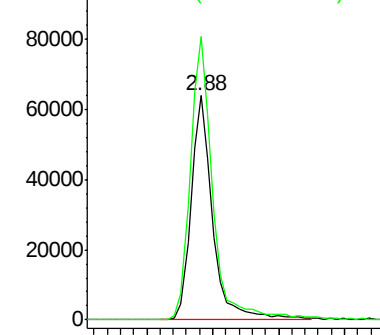
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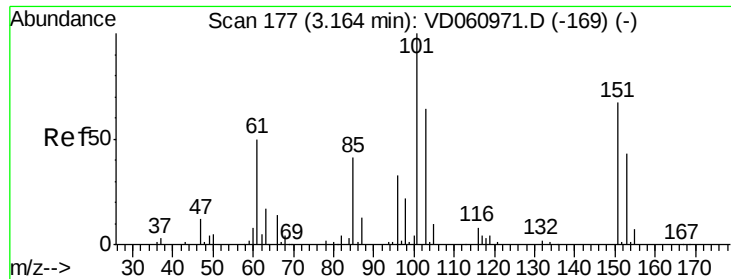
Diethyl Ether
Concen: 55.631 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 74 Resp: 145193
Ion Ratio Lower Upper
74 100
45 126.2 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.951 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

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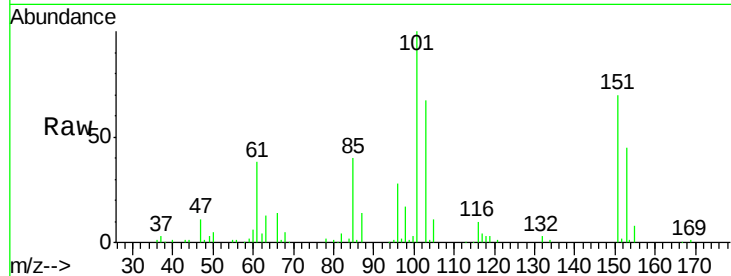
Tot Ion:101 Resp: 441817

Ion Ratio Lower Upper

101 100

85 39.8 32.5 48.7

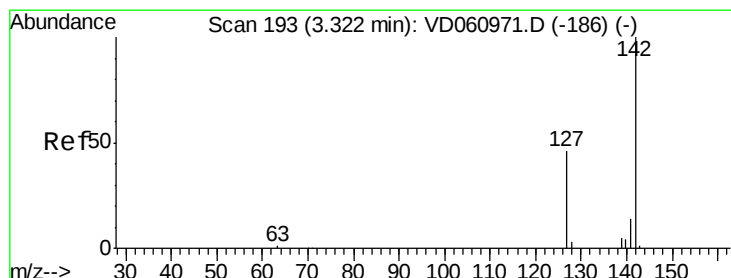
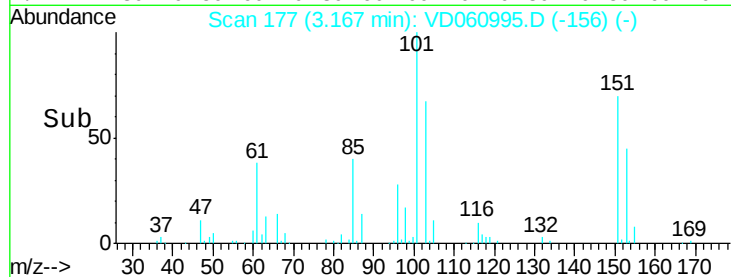
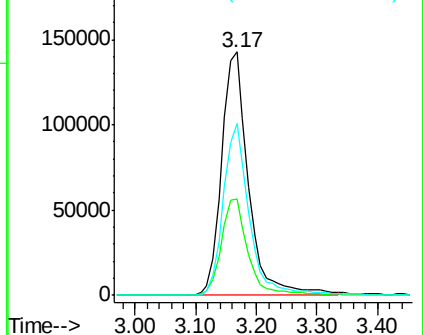
151 70.5 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.640 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

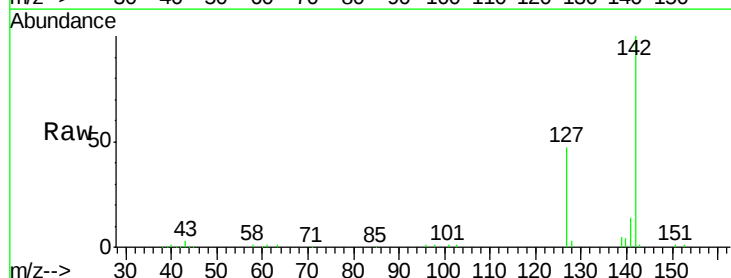
Tgt Ion:142 Resp: 604381

Ion Ratio Lower Upper

142 100

127 46.8 36.8 55.2

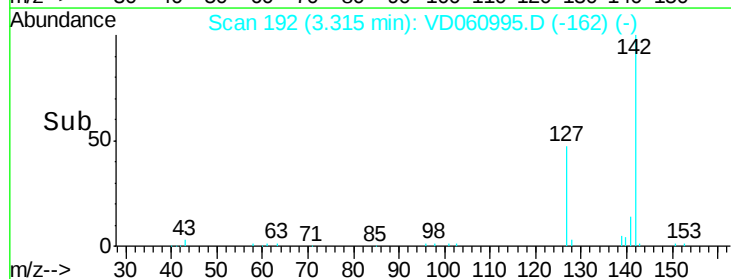
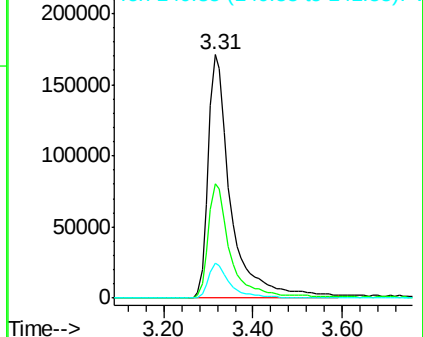
141 14.4 11.2 16.8

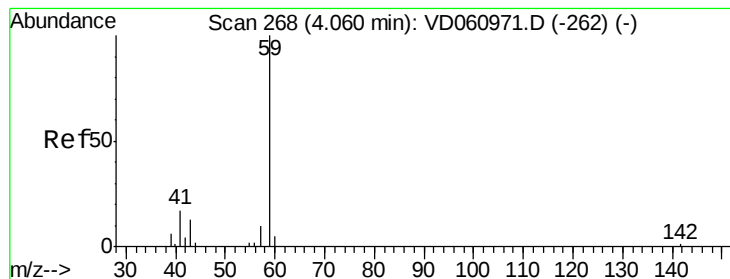


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



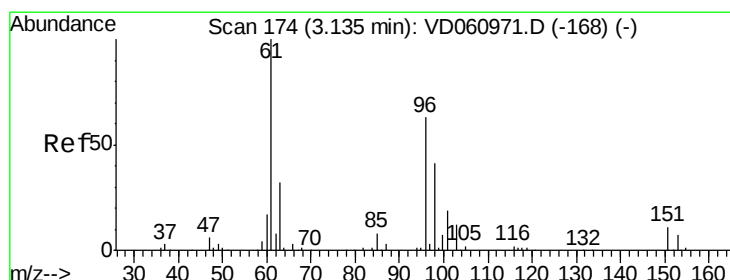
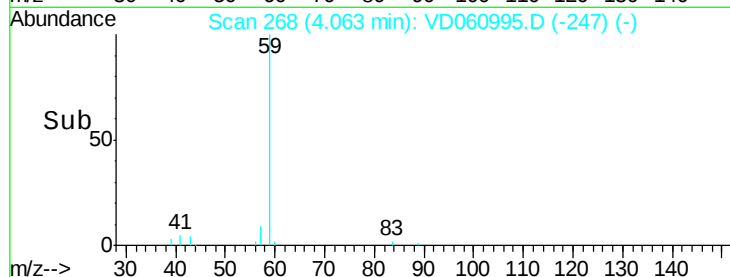
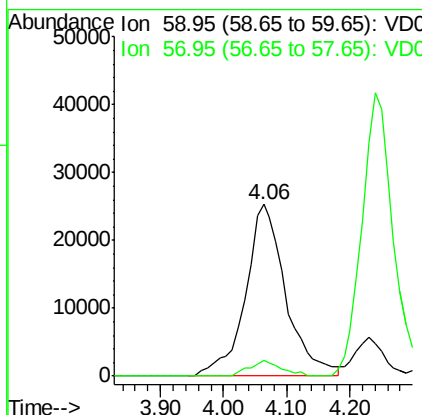
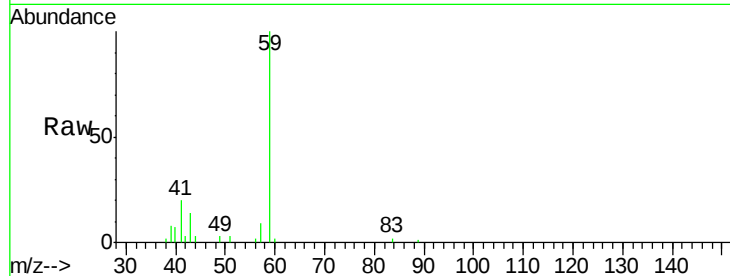


#11

Tert butyl alcohol
Concen: 294.646 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

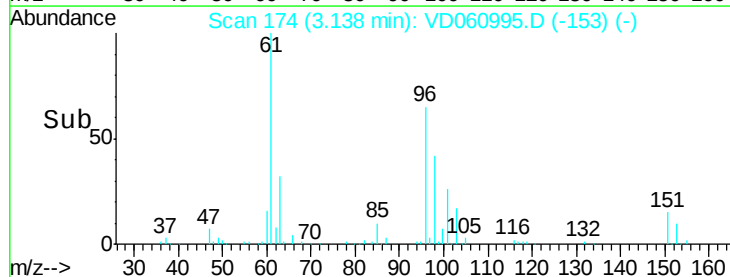
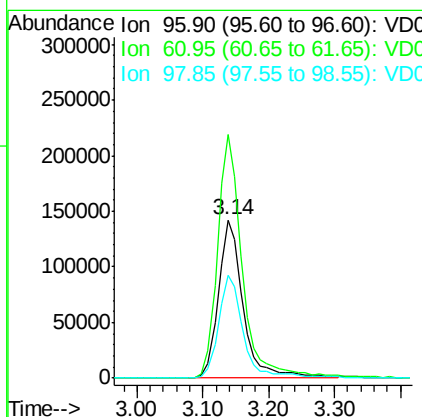
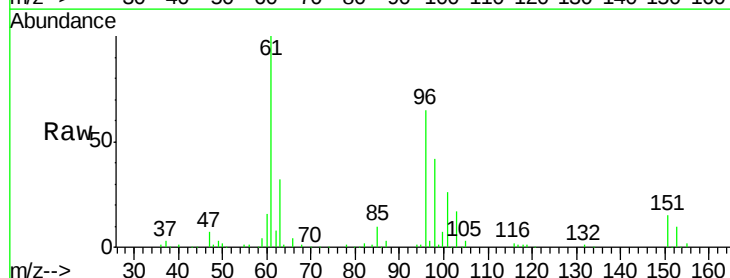
Tot Ion: 59 Resp: 112774
Ion Ratio Lower Upper
59 100
57 9.2 7.1 10.7

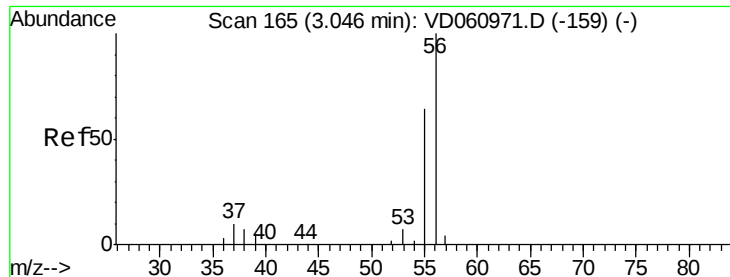


#12

1,1-Dichloroethene
Concen: 51.336 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 96 Resp: 372193
Ion Ratio Lower Upper
96 100
61 154.2 127.1 190.7
98 65.1 51.5 77.3

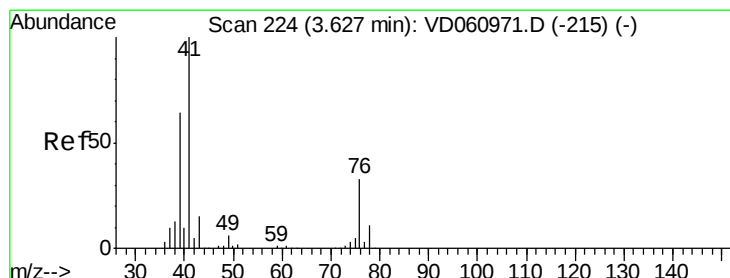
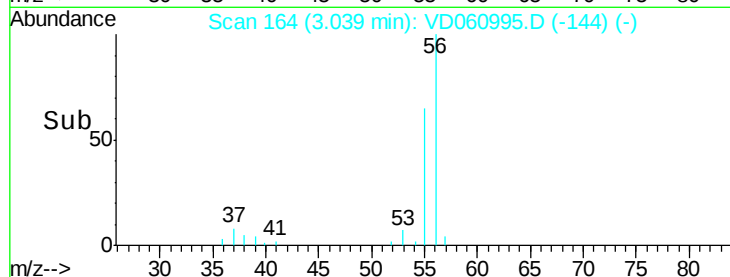
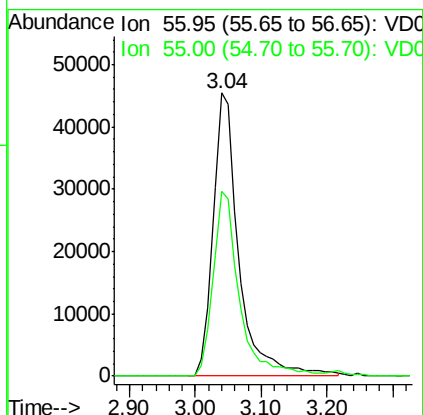
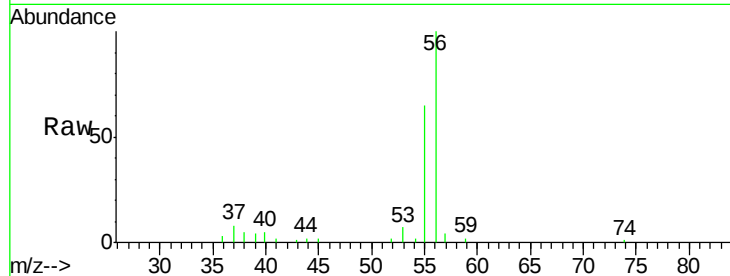




#13
Acrolein
Concen: 221.145 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

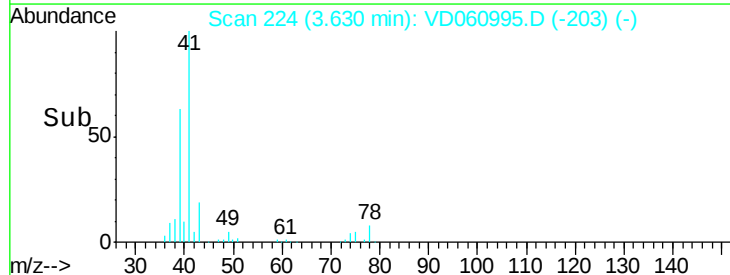
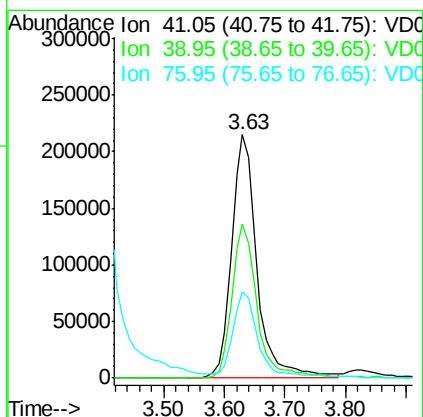
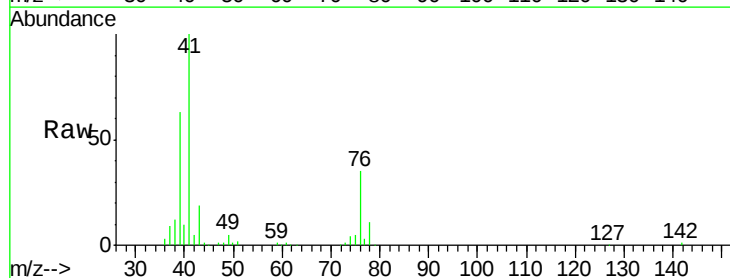
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

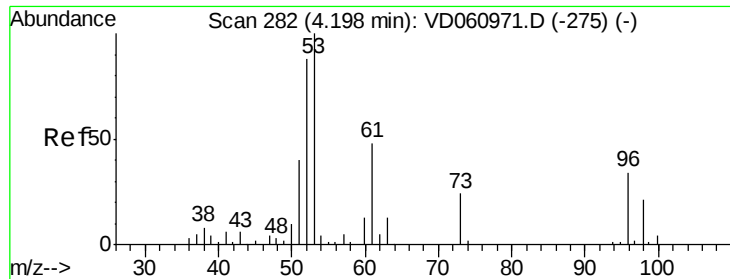
Tot Ion: 56 Resp: 122469
Ion Ratio Lower Upper
56 100
55 65.3 51.3 76.9



#14
Allyl chloride
Concen: 53.955 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 41 Resp: 625891
Ion Ratio Lower Upper
41 100
39 63.3 51.1 76.7
76 35.5 29.1 43.7





#15

Acrylonitrile

Concen: 284.219 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

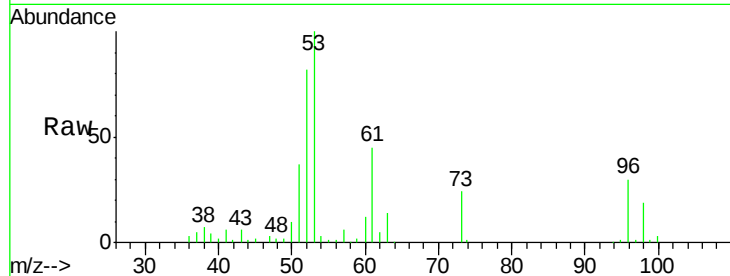
Tot Ion: 53 Resp: 384474

Ion Ratio Lower Upper

53 100

52 82.2 70.2 105.4

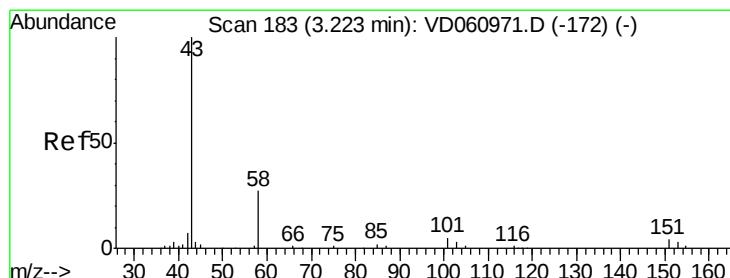
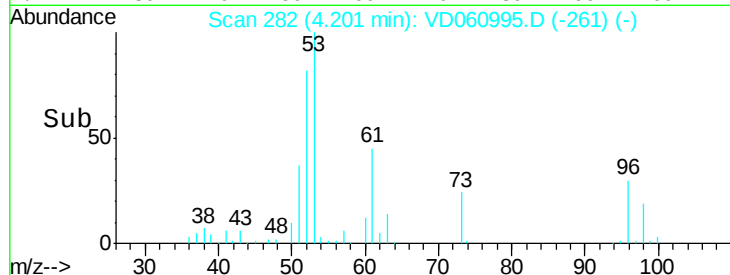
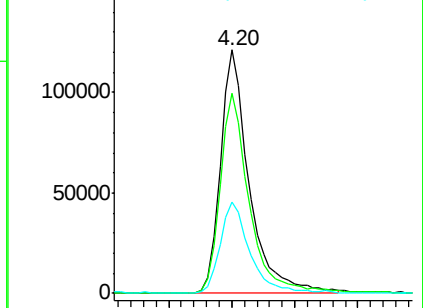
51 37.3 31.7 47.5



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: 240.929 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060995.D

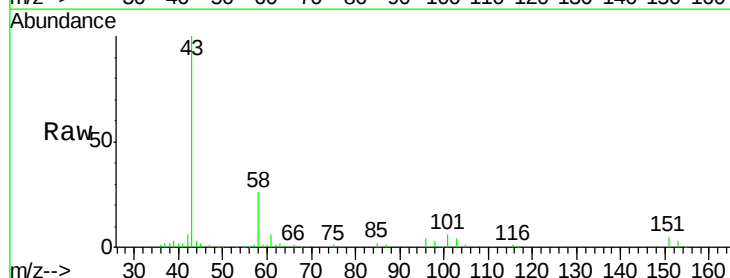
Acq: 8 Mar 2019 21:04

Tgt Ion: 43 Resp: 414210

Ion Ratio Lower Upper

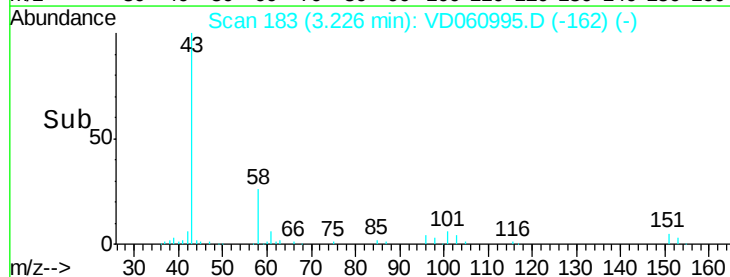
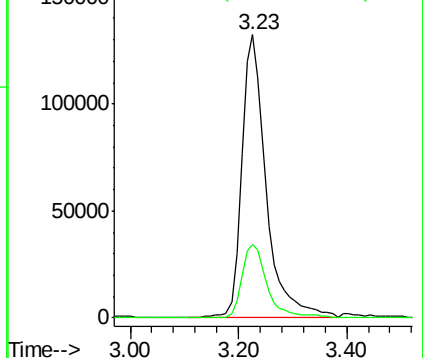
43 100

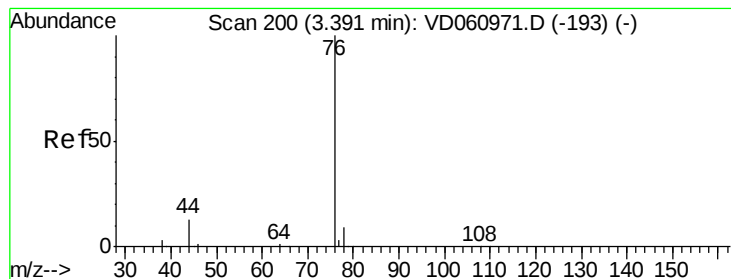
58 26.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.682 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

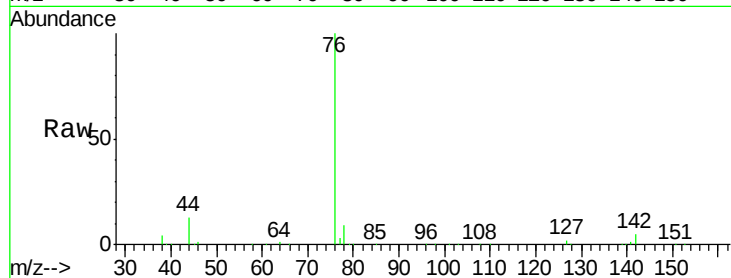
VSTDCCC050EC

Tot Ion: 76 Resp: 1190637

Ion Ratio Lower Upper

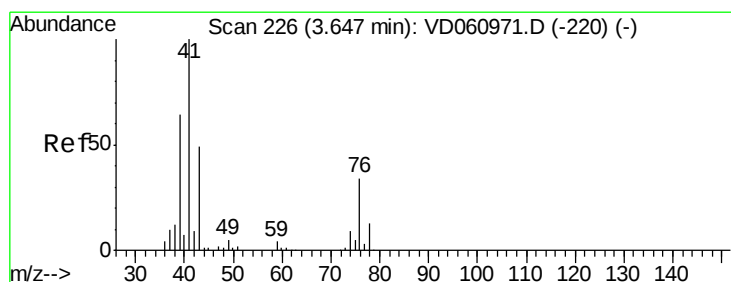
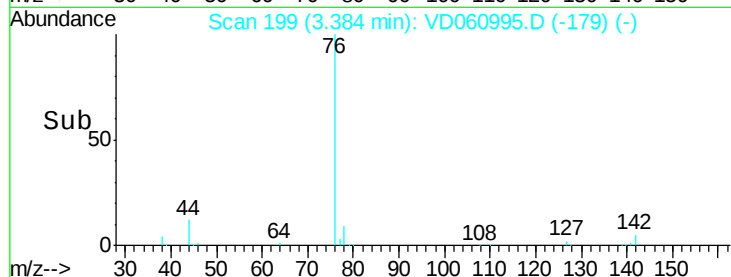
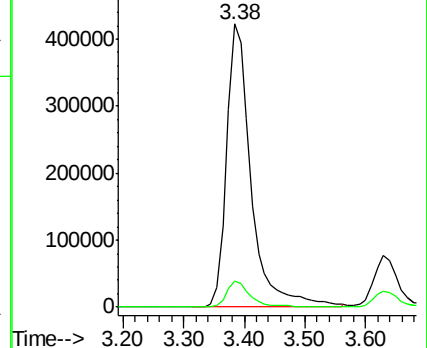
76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 60.488 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD060995.D

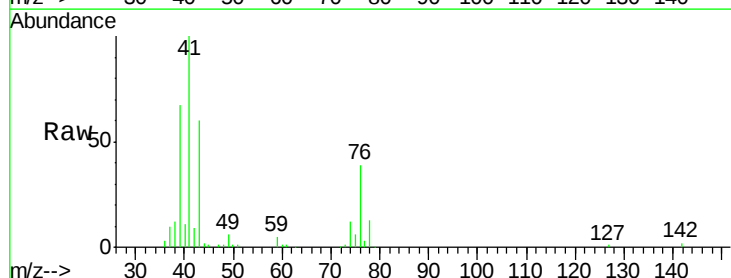
Acq: 8 Mar 2019 21:04

Tgt Ion: 43 Resp: 204654

Ion Ratio Lower Upper

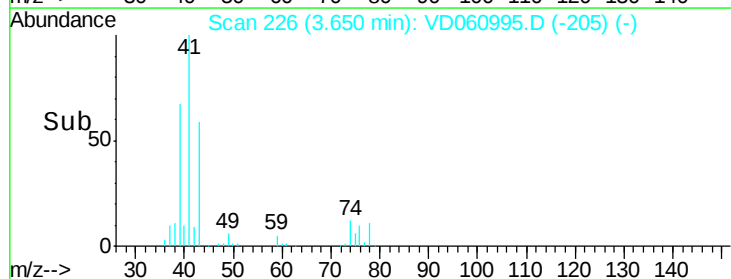
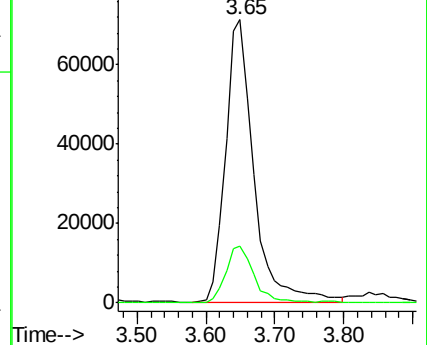
43 100

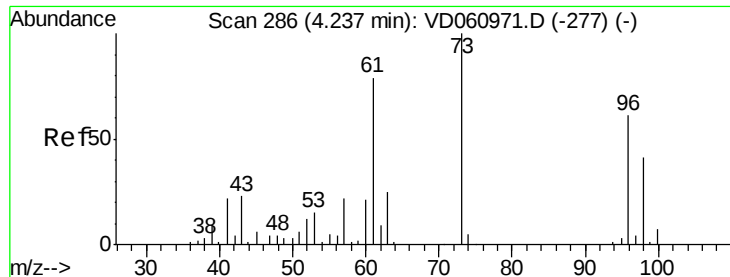
74 20.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

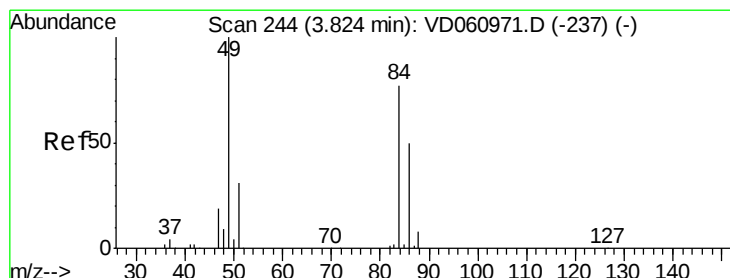
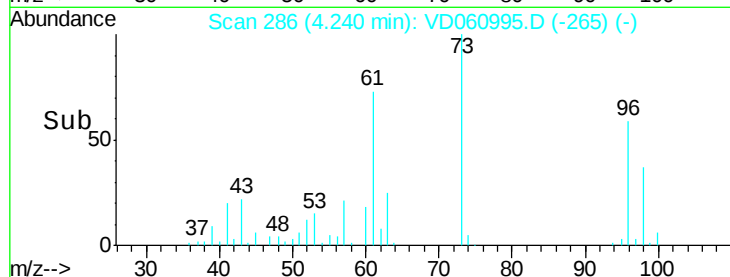
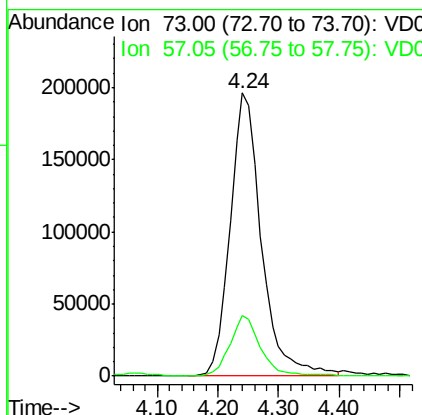
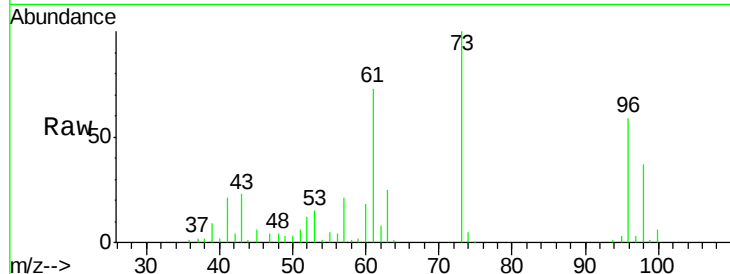




#19
Methyl tert-butyl Ether
Concen: 55.419 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

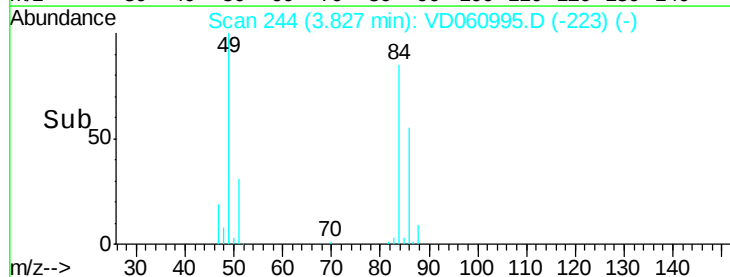
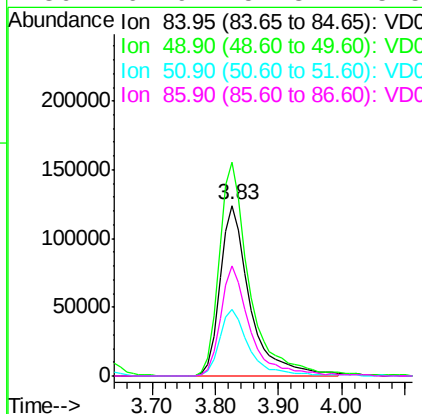
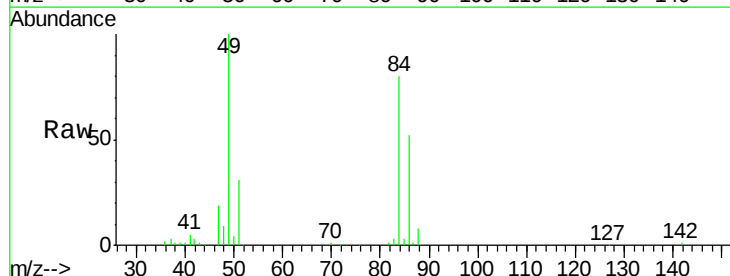
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

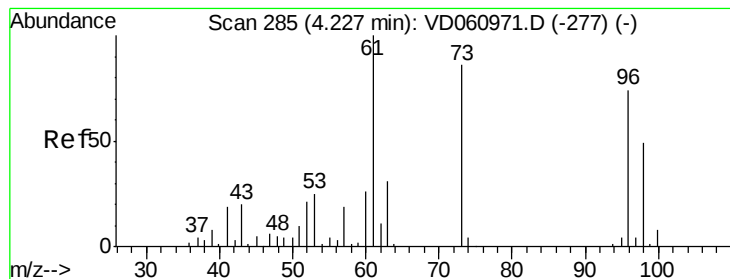
Tot Ion: 73 Resp: 704158
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 52.377 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 84 Resp: 408844
Ion Ratio Lower Upper
84 100
49 125.4 104.2 156.2
51 39.2 32.3 48.5
86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.167 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

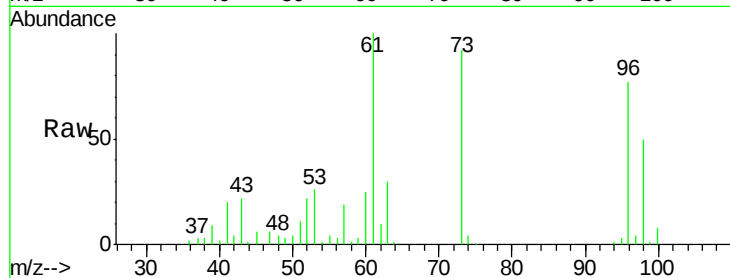
Tot Ion: 96 Resp: 409370

Ion Ratio Lower Upper

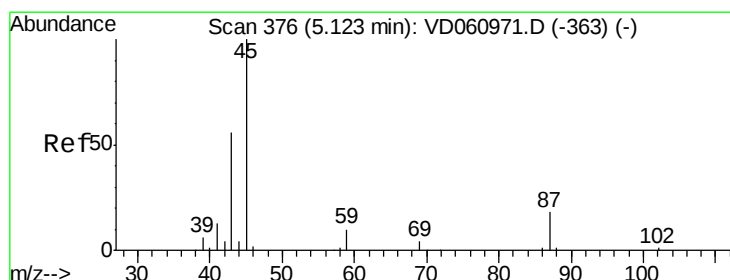
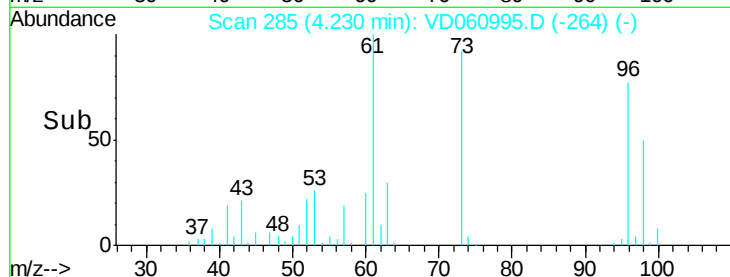
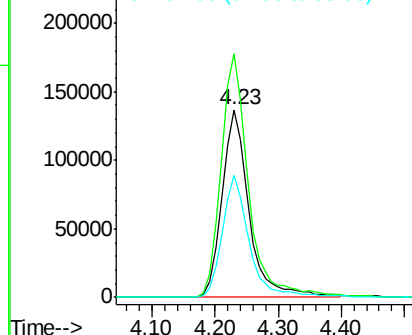
96 100

61 129.6 108.4 162.6

98 64.8 53.0 79.4



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



#22

Diisopropyl ether

Concen: 49.750 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Tgt Ion: 45 Resp: 1198025

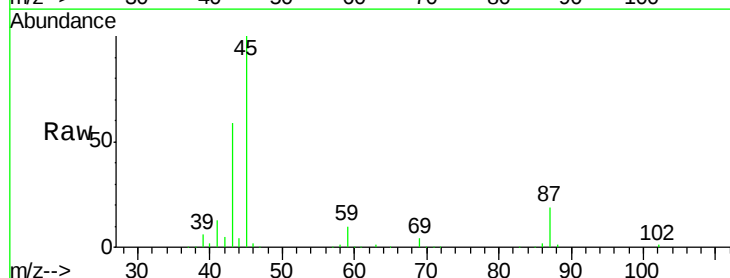
Ion Ratio Lower Upper

45 100

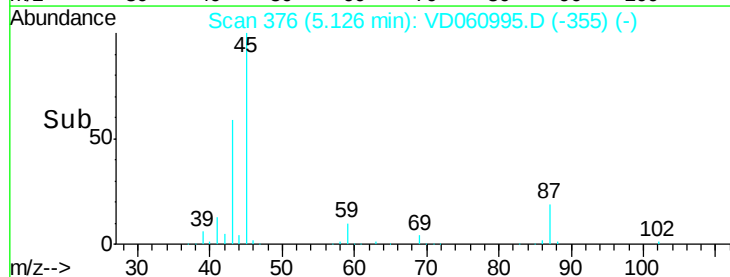
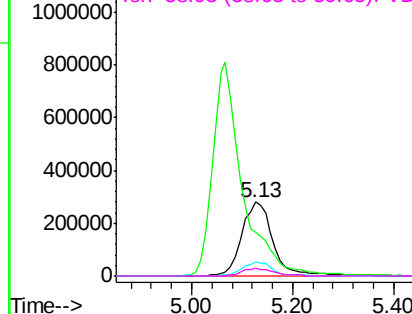
43 58.8 45.8 68.8

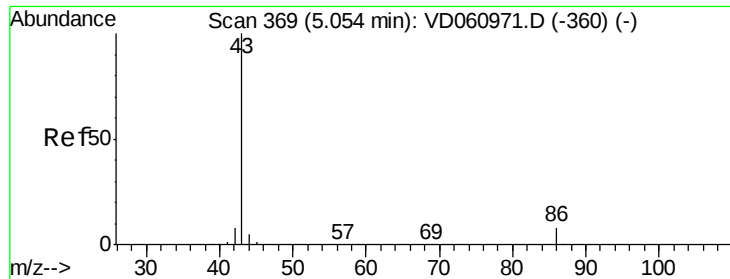
87 18.7 14.9 22.3

59 9.7 8.0 12.0



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





#23

Vinyl Acetate

Concen: 266.940 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

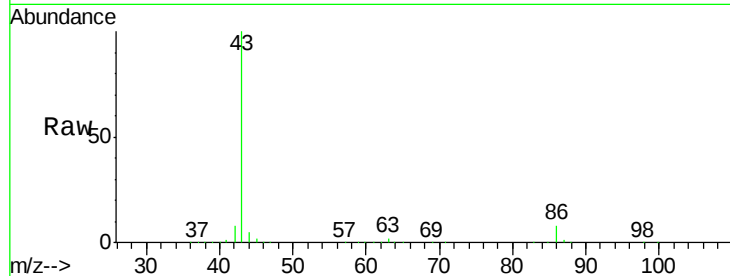
VSTDCCC050EC

Tot Ion: 43 Resp: 3299888

Ion Ratio Lower Upper

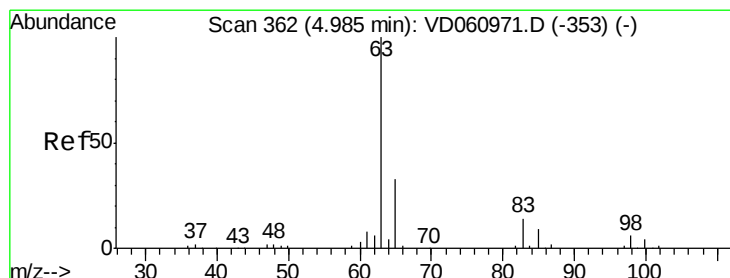
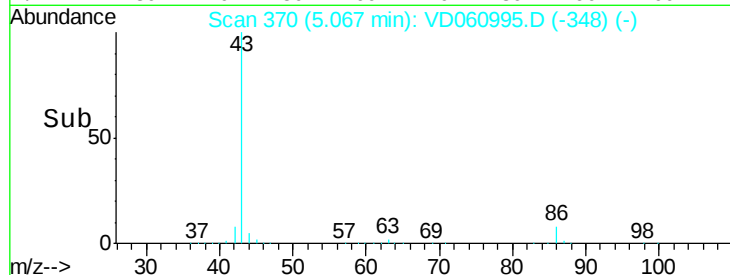
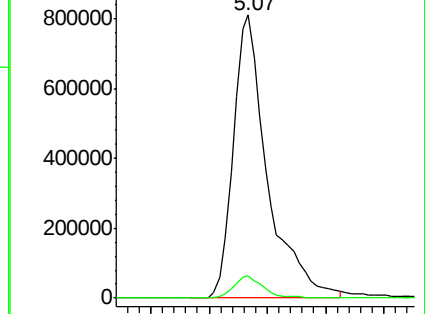
43 100

86 7.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.890 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

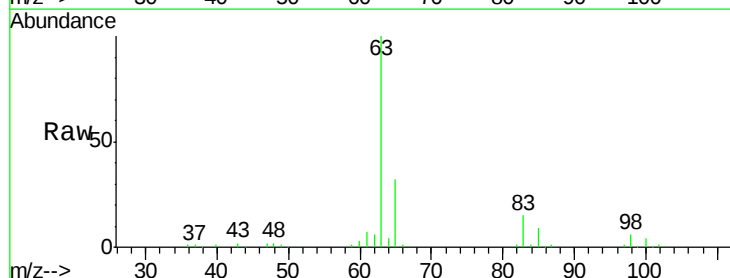
Tgt Ion: 63 Resp: 711024

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

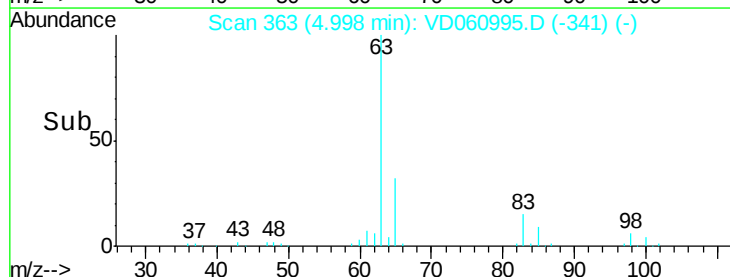
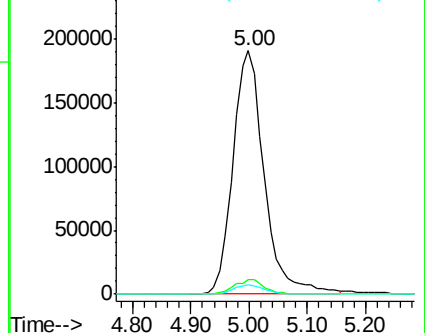
100 3.7 2.0 5.8

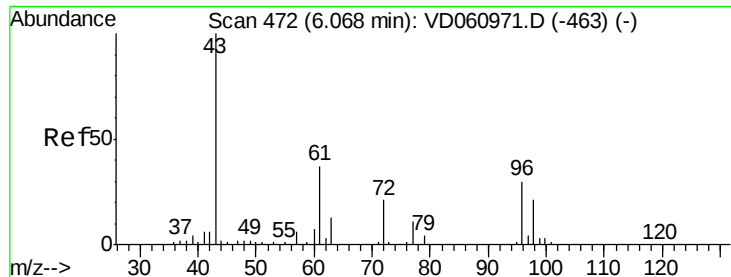


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 281.901 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

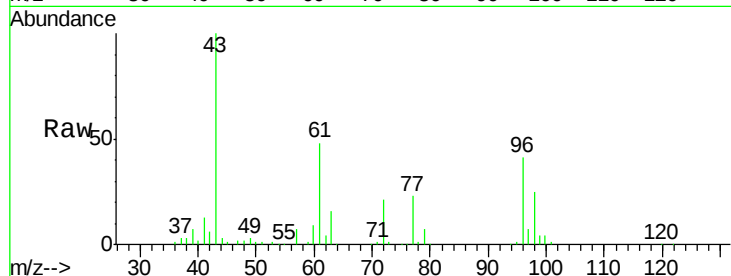
VSTDCCC050EC

Tot Ion: 43 Resp: 549945

Ion Ratio Lower Upper

43 100

72 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

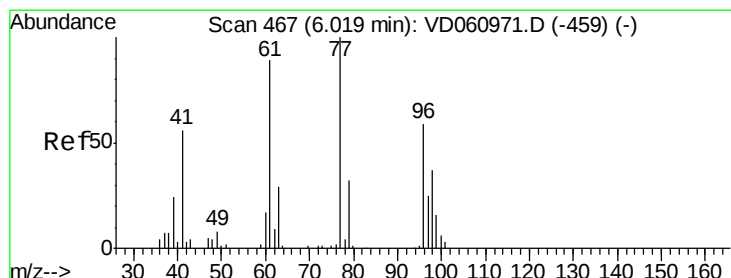
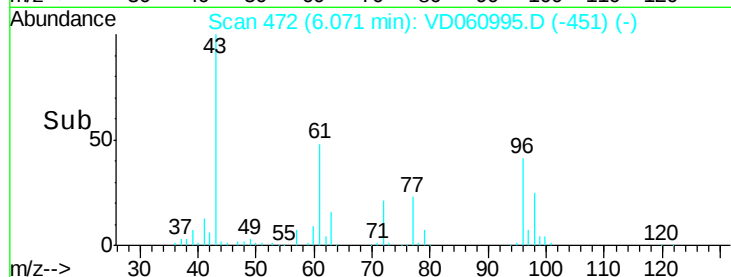
50000

0

6.07

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 51.104 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060995.D

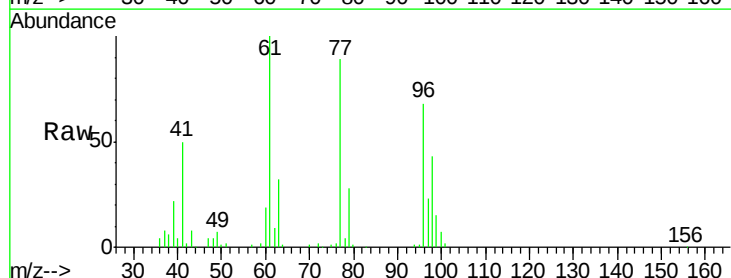
Acq: 8 Mar 2019 21:04

Tgt Ion: 77 Resp: 526368

Ion Ratio Lower Upper

77 100

97 26.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

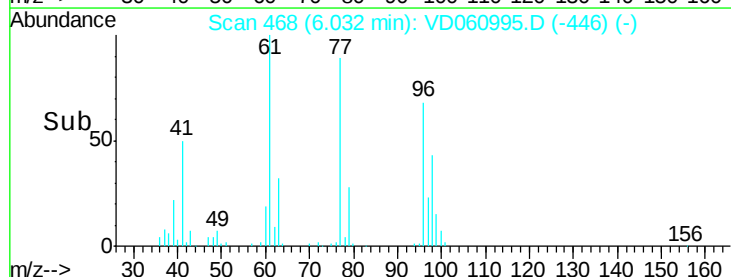
50000

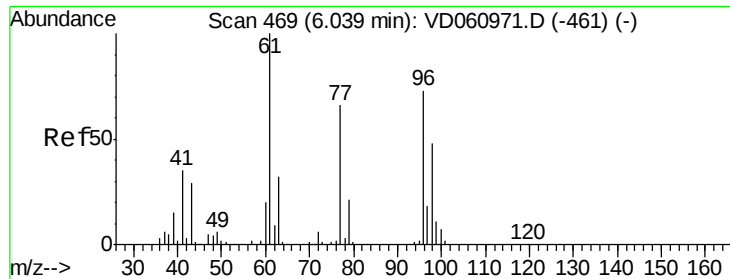
0

6.03

5.90 6.00 6.10 6.20

Time-->

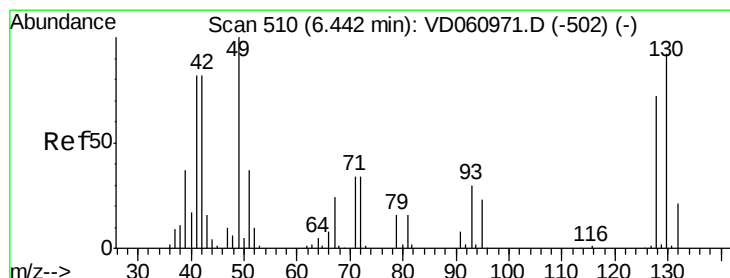
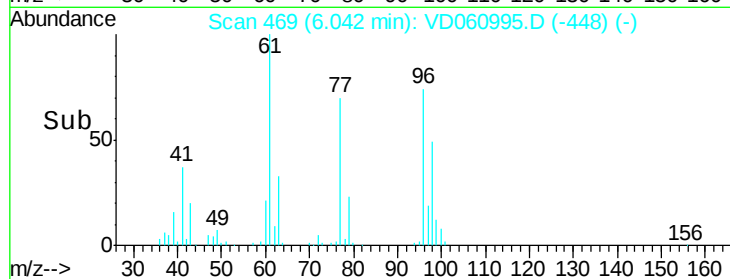
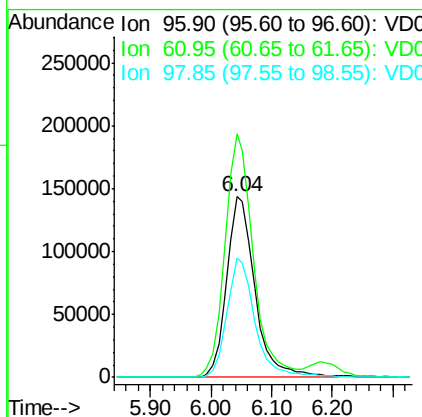
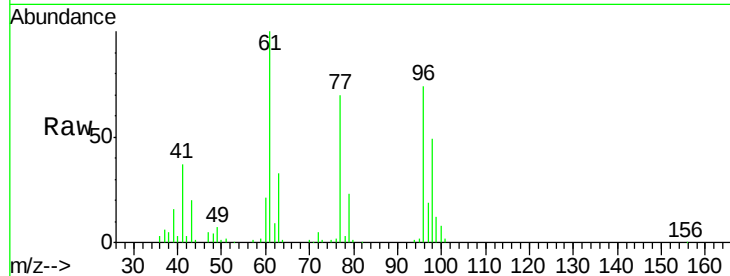




#27
 cis-1,2-Dichloroethene
 Concen: 55.803 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

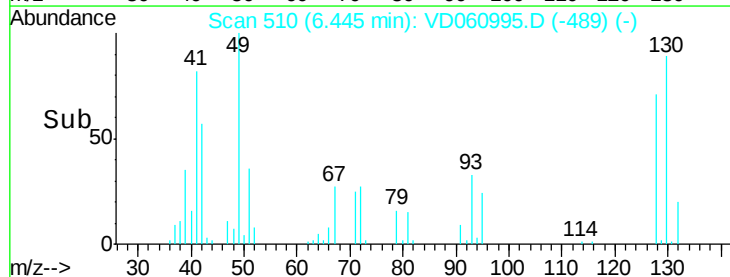
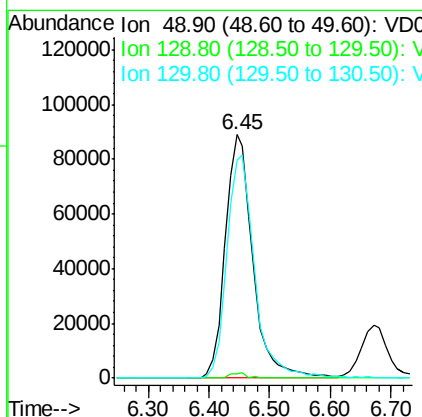
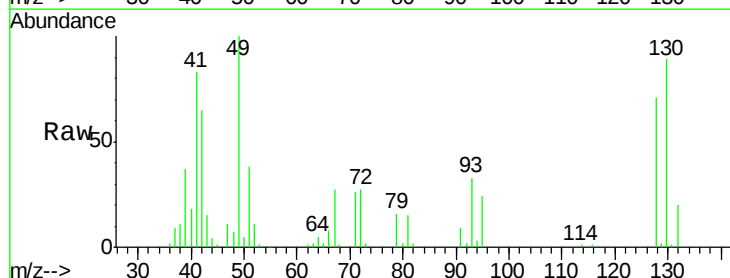
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

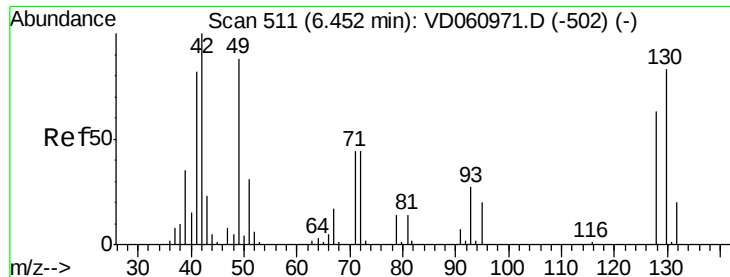
Tot Ion: 96 Resp: 464618
 Ion Ratio Lower Upper
 96 100
 61 134.8 0.0 273.6
 98 66.0 0.0 132.6



#28
 Bromochloromethane
 Concen: 50.359 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 49 Resp: 281286
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 89.4 73.8 110.8





#29

Tetrahydrofuran

Concen: 256.340 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

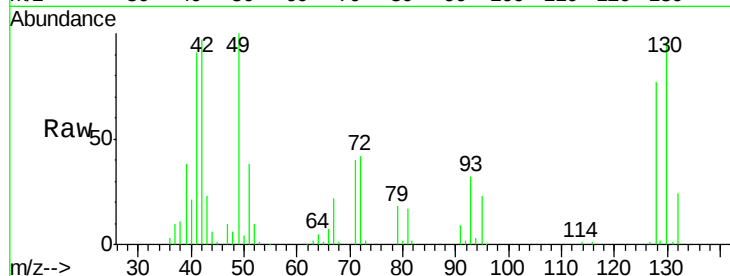
Tot Ion: 42 Resp: 271543

Ion Ratio Lower Upper

42 100

72 43.6 34.5 51.7

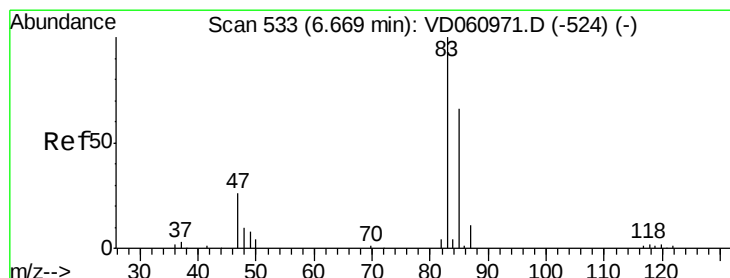
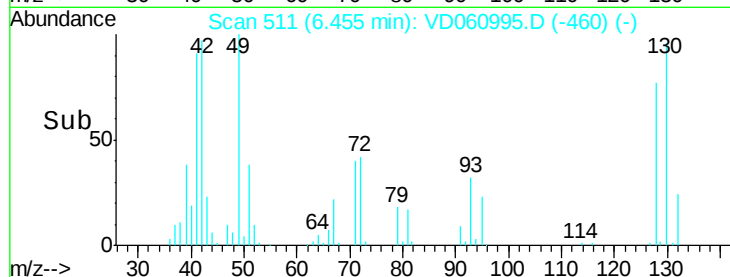
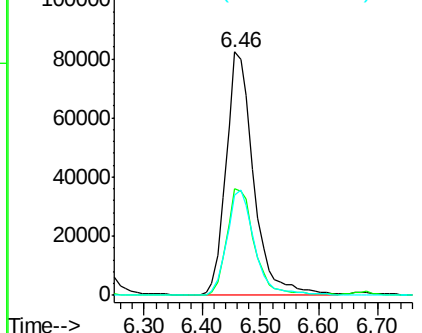
71 43.0 33.8 50.6



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: 50.639 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060995.D

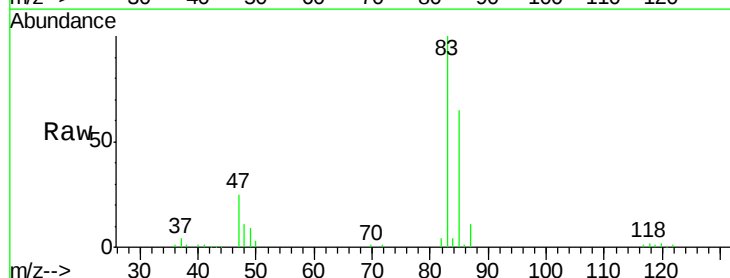
Acq: 8 Mar 2019 21:04

Tgt Ion: 83 Resp: 692464

Ion Ratio Lower Upper

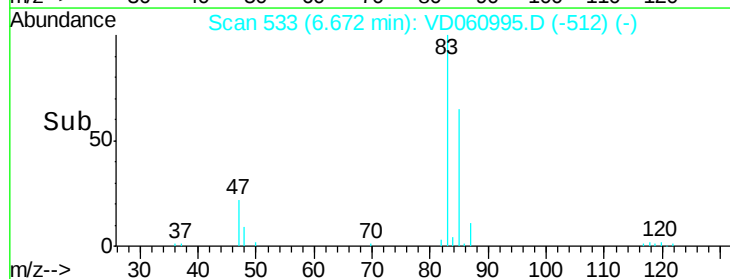
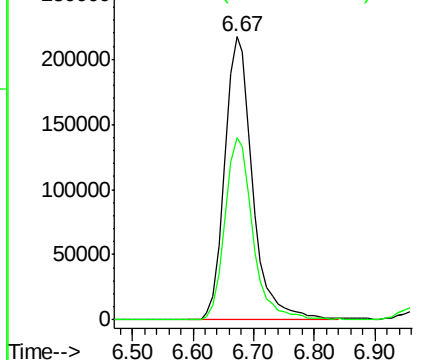
83 100

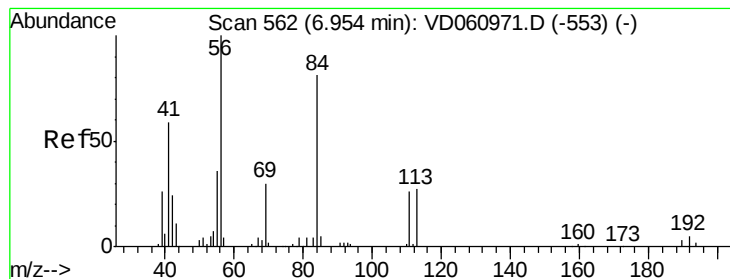
85 64.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 53.113 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

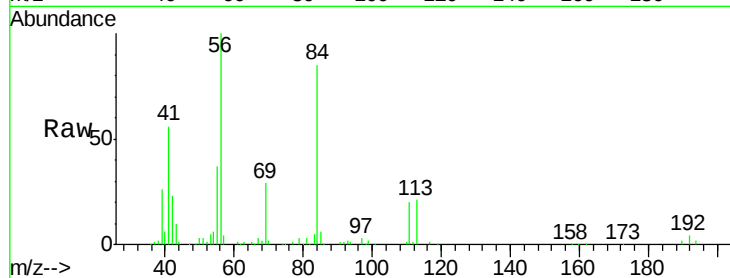
Tot Ion: 56 Resp: 565056

Ion Ratio Lower Upper

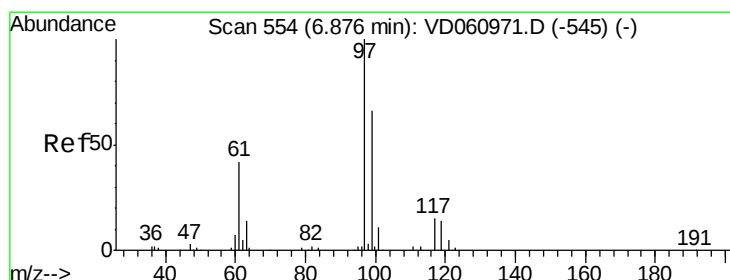
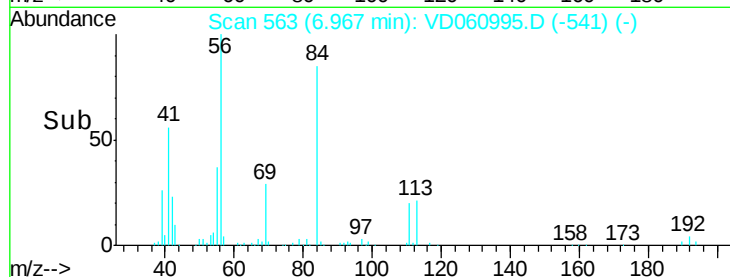
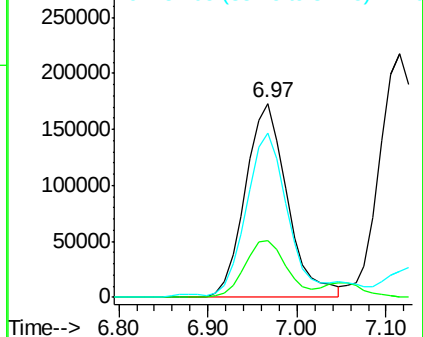
56 100

69 29.4 24.0 36.0

84 84.9 65.8 98.6



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: 49.754 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

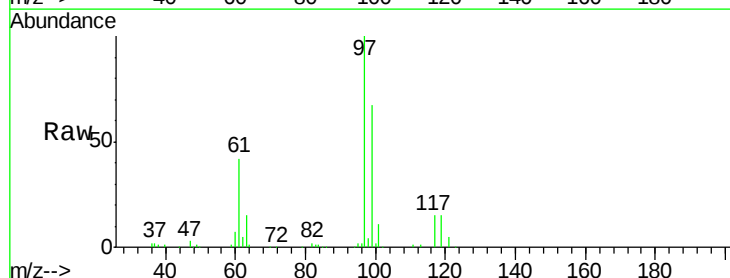
Tgt Ion: 97 Resp: 588204

Ion Ratio Lower Upper

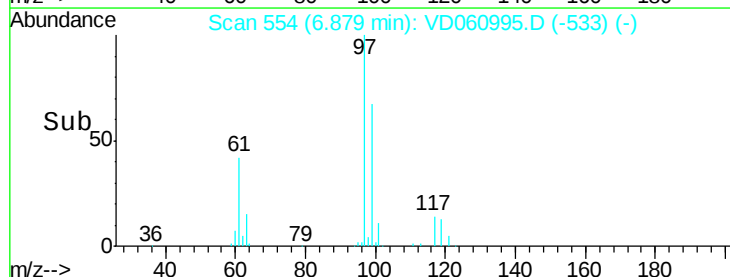
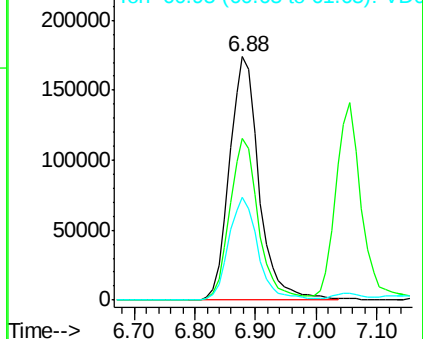
97 100

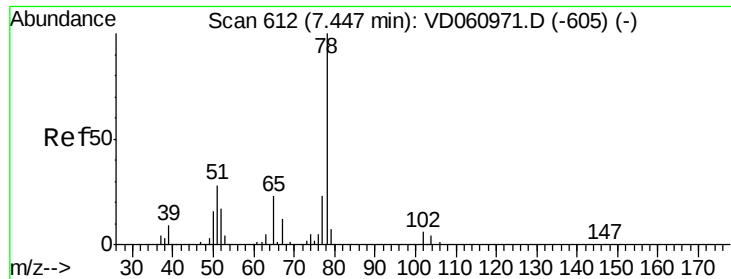
99 66.6 53.2 79.8

61 42.5 33.8 50.8



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: 49.754 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

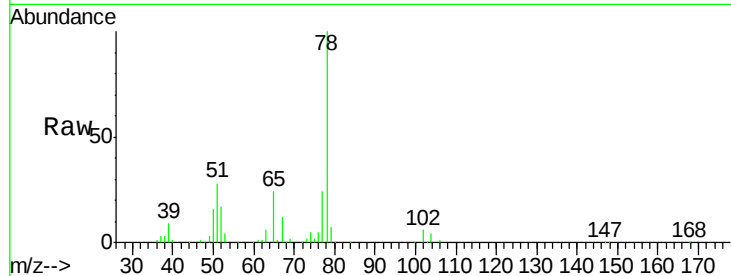
VSTDCCC050EC

Tot Ion: 65 Resp: 276737

Ion Ratio Lower Upper

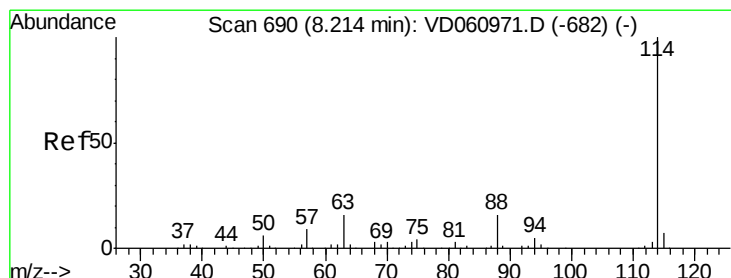
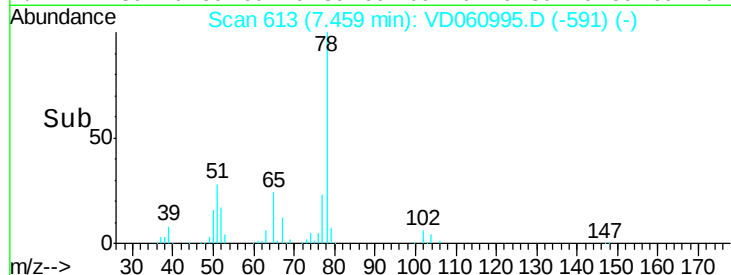
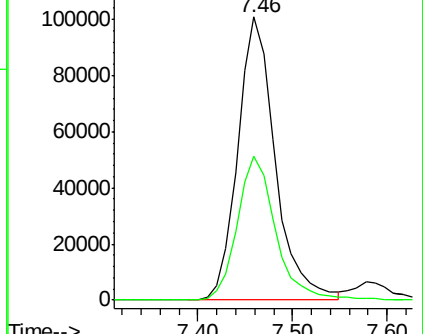
65 100

67 51.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

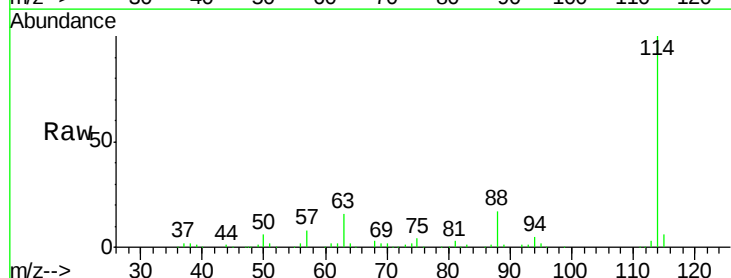
Tgt Ion: 114 Resp: 1241390

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

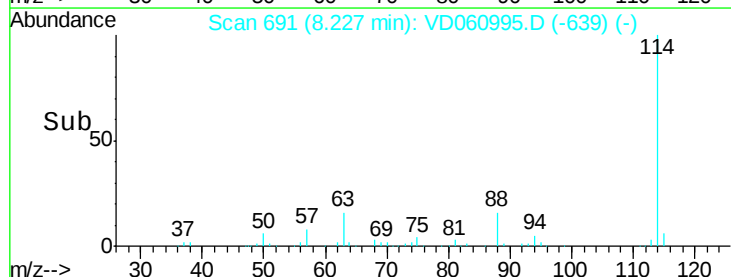
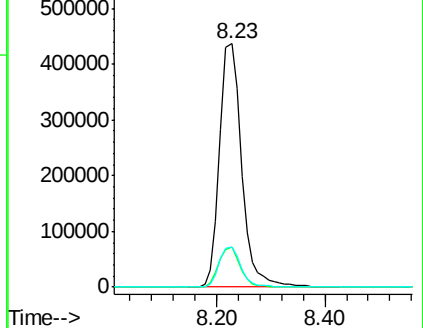
88 16.5 0.0 33.0

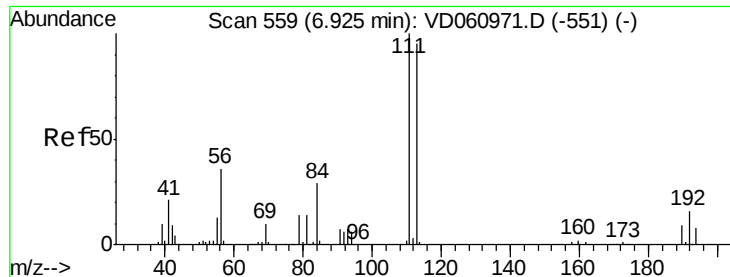


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

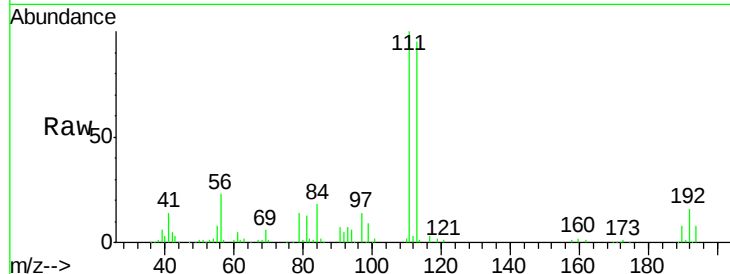




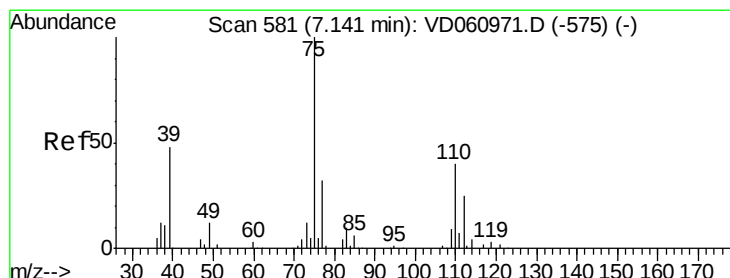
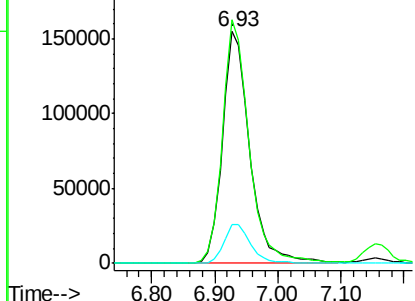
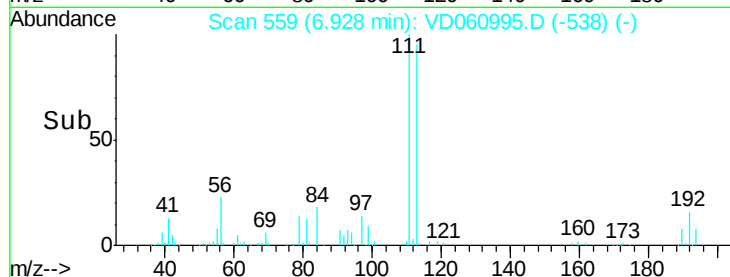
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 465527
 Ion Ratio Lower Upper
 113 100
 111 105.1 84.2 126.4
 192 16.5 13.1 19.7

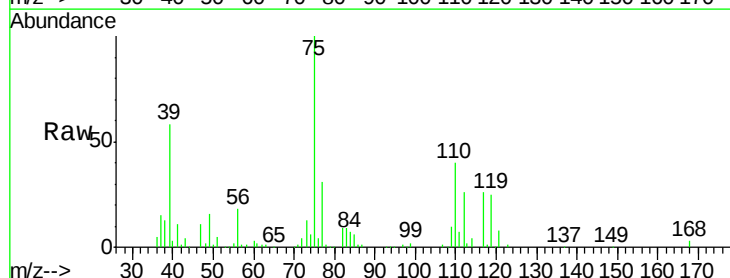


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

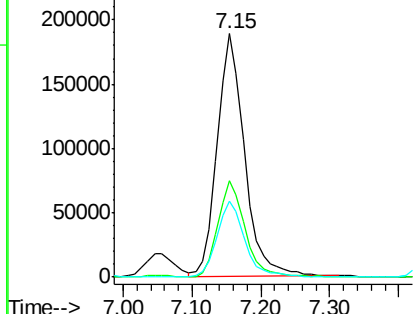
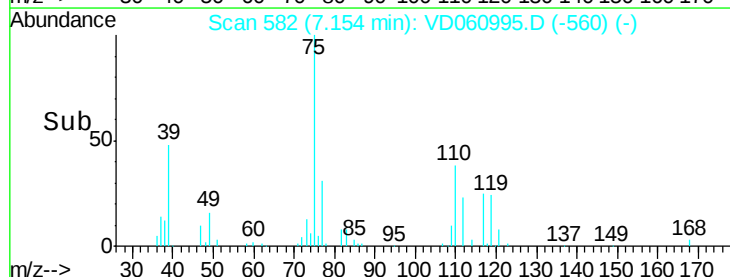


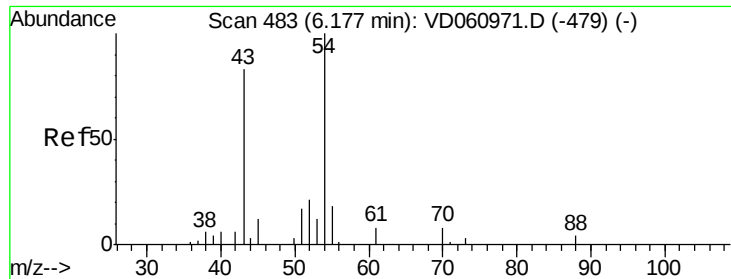
#36
 1,1-Dichloropropene
 Concen: 48.659 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 75 Resp: 520680
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.7 59.1
 77 31.3 24.7 37.1



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

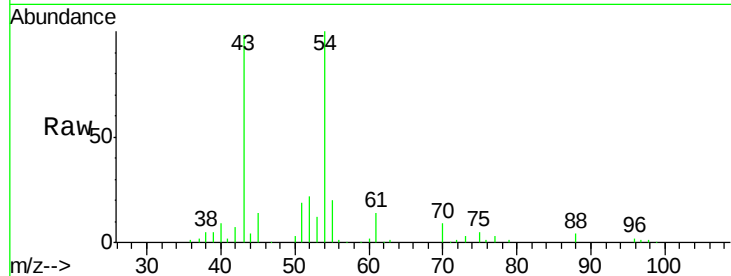




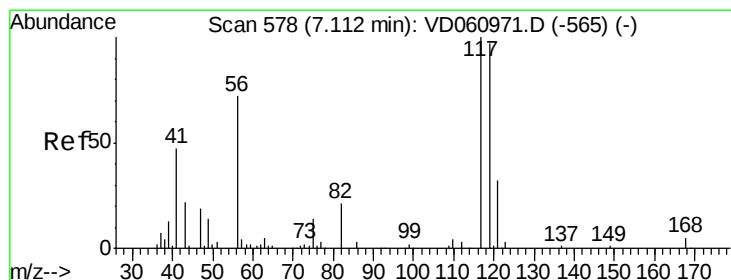
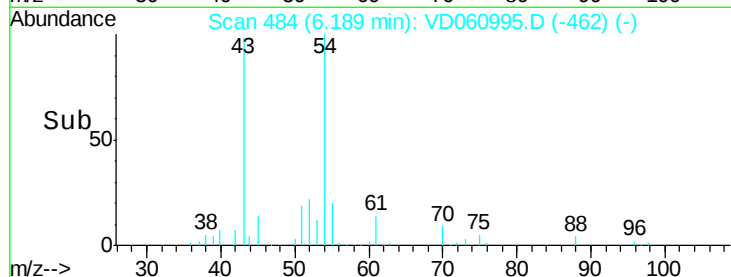
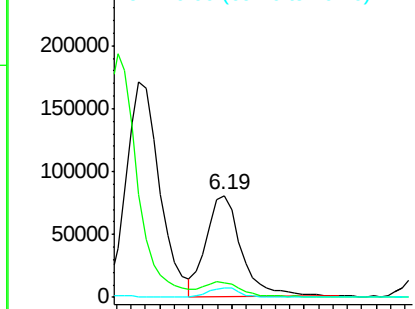
#37
Ethyl Acetate
Concen: 53.309 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 267684
Ion Ratio Lower Upper
43 100
61 14.6 13.7 20.5
70 9.5 7.1 10.7

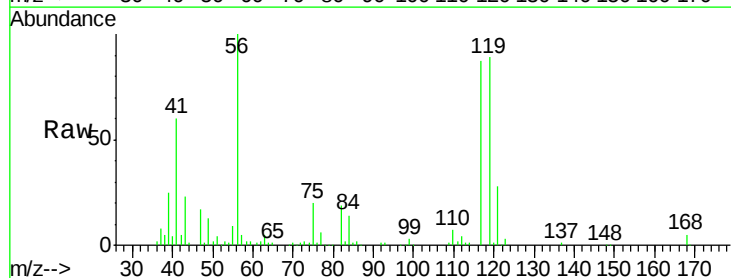


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

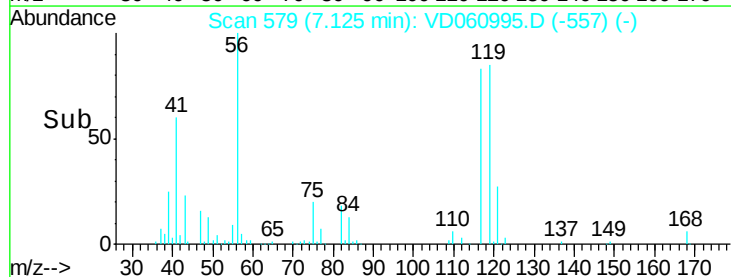
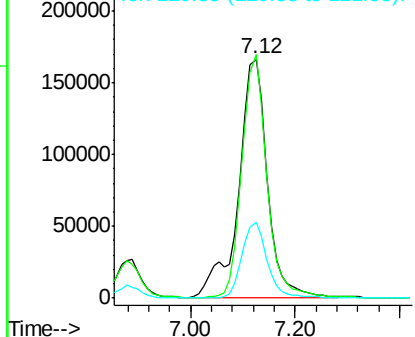


#38
Carbon Tetrachloride
Concen: 52.378 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 117 Resp: 617376
Ion Ratio Lower Upper
117 100
119 102.0 77.8 116.8
121 32.1 25.3 37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 47.669 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

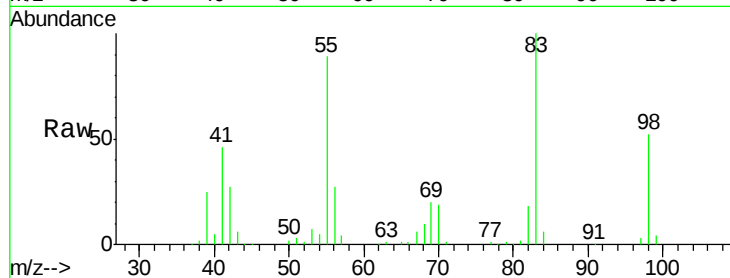
Tot Ion: 83 Resp: 528916

Ion Ratio Lower Upper

83 100

55 89.2 69.6 104.4

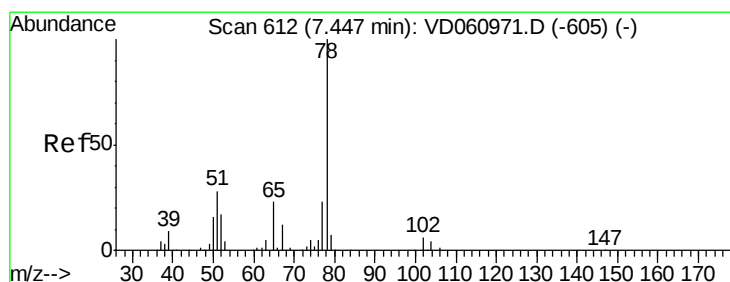
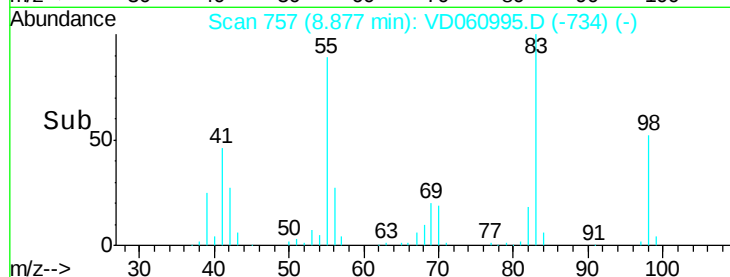
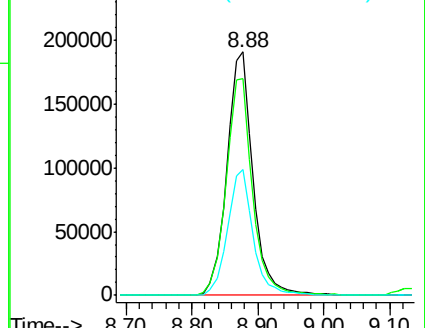
98 51.9 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.379 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060995.D

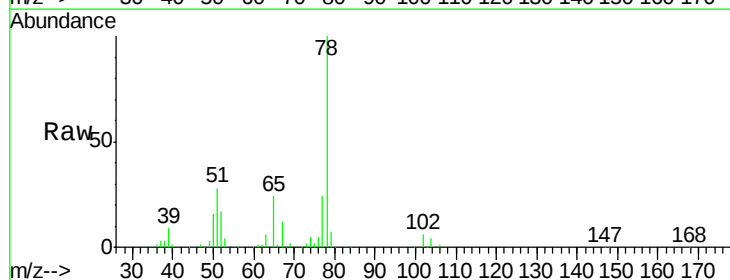
Acq: 8 Mar 2019 21:04

Tgt Ion: 78 Resp: 1266826

Ion Ratio Lower Upper

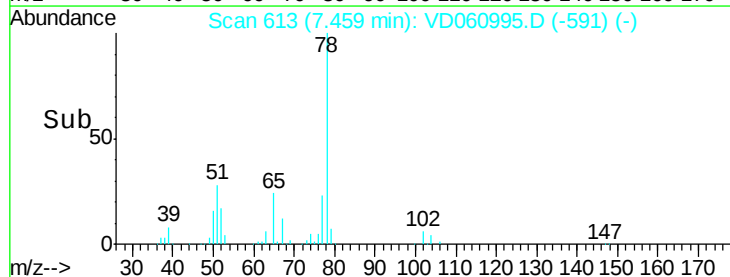
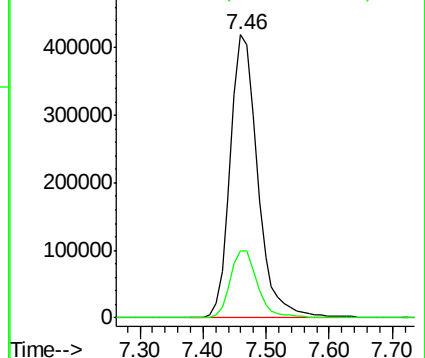
78 100

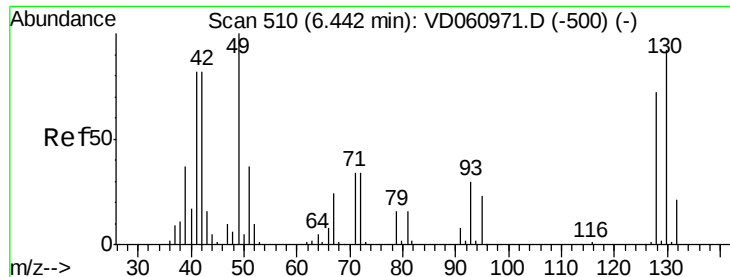
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

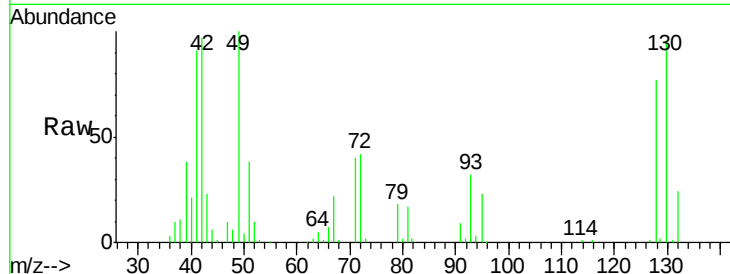




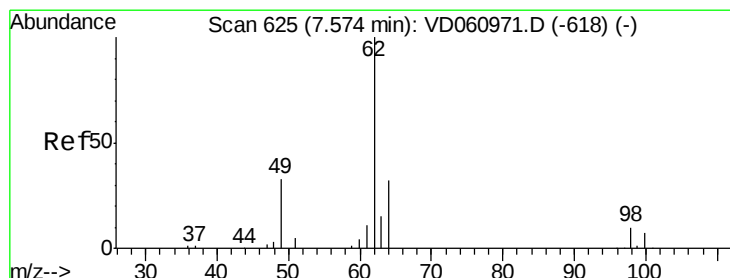
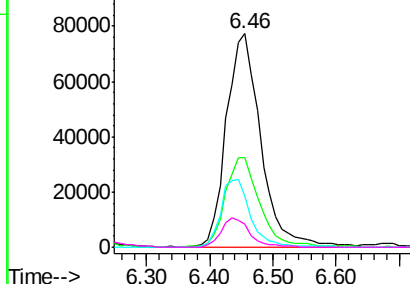
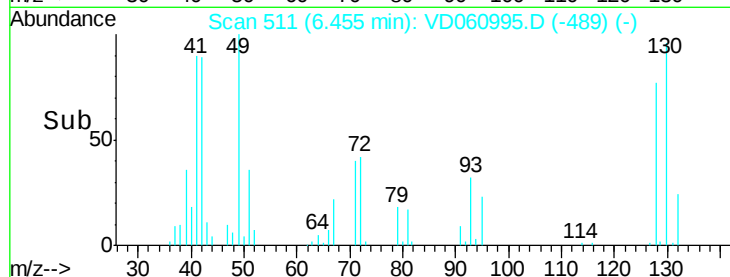
#41
Methacrylonitrile
Concen: 50.633 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 292443
Ion Ratio Lower Upper
41 100
39 41.8 35.7 53.5
67 24.0 23.0 34.6
52 10.7 9.2 13.8

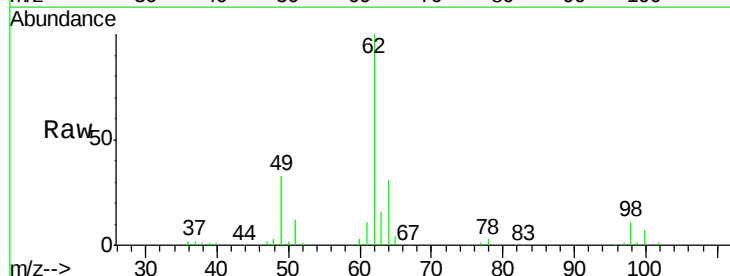


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

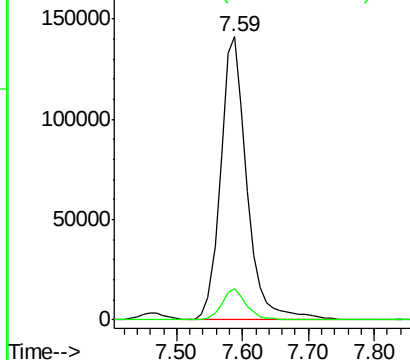
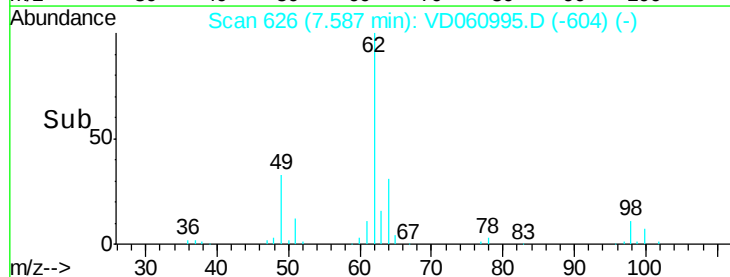


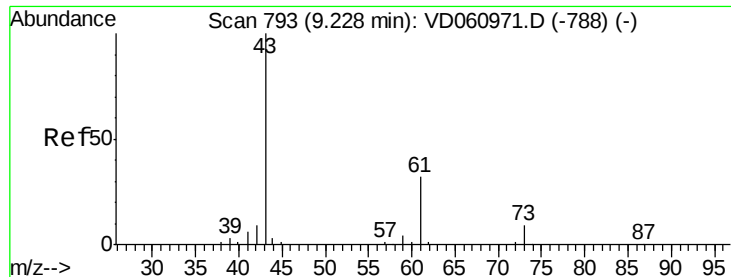
#42
1,2-Dichloroethane
Concen: 50.514 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 62 Resp: 391956
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.4



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



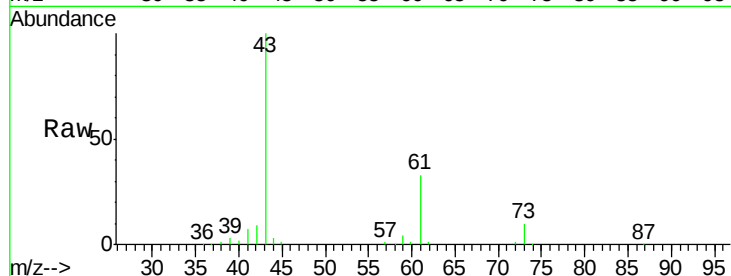


#43

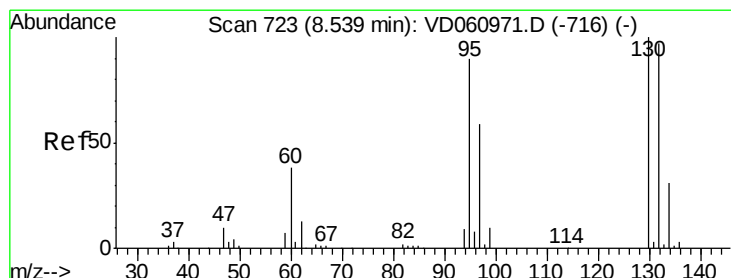
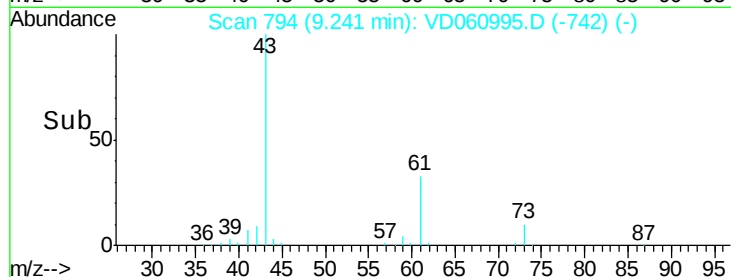
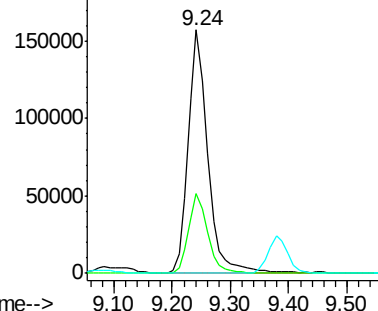
Isopropyl Acetate
 Concen: 52.972 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 368411
 Ion Ratio Lower Upper
 43 100
 61 32.9 25.6 38.4
 87 0.2 0.2 0.4



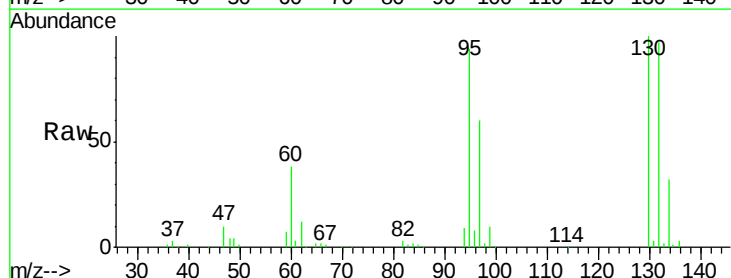
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



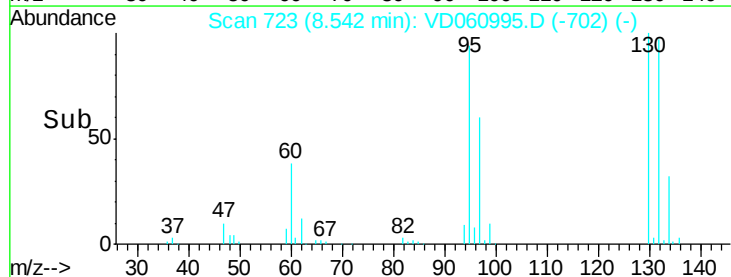
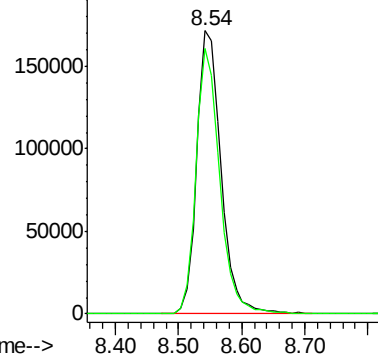
#44

Trichloroethene
 Concen: 49.610 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 130 Resp: 457629
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 48.875 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

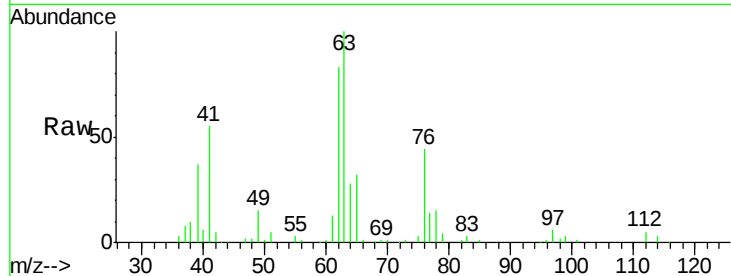
VSTDCCC050EC

Tot Ion: 63 Resp: 343332

Ion Ratio Lower Upper

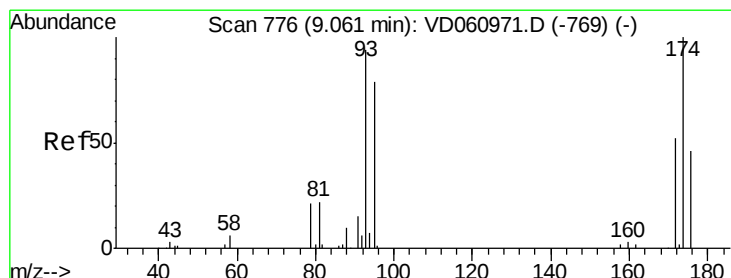
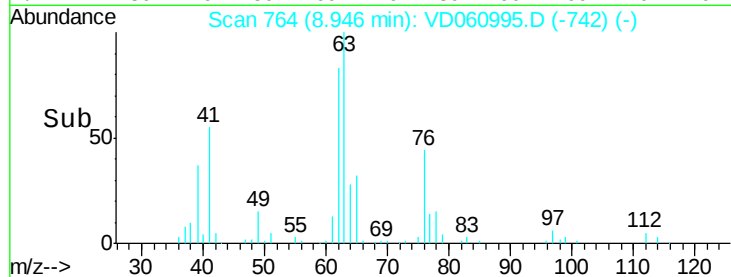
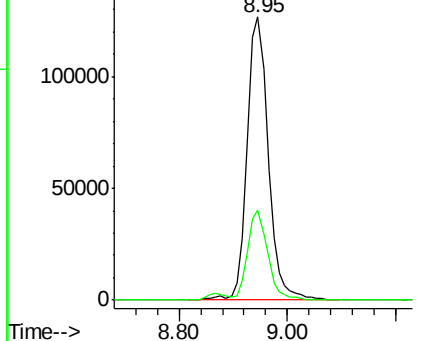
63 100

65 31.7 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.048 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

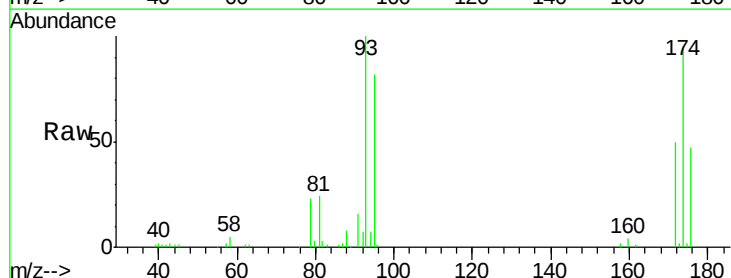
Tgt Ion: 93 Resp: 236380

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

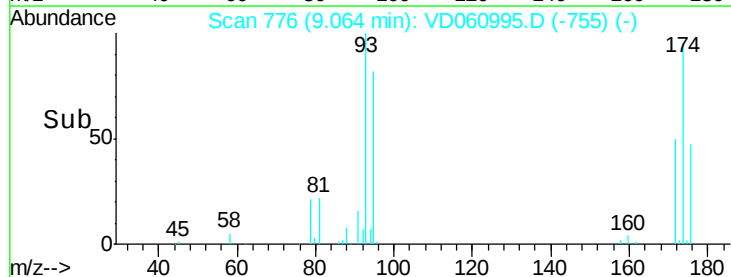
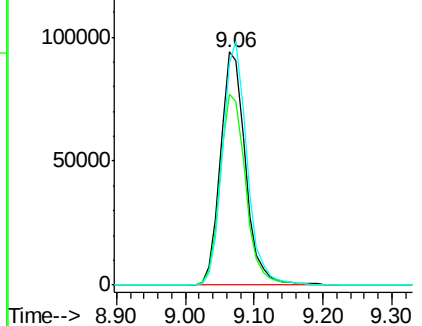
174 95.4 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.409 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

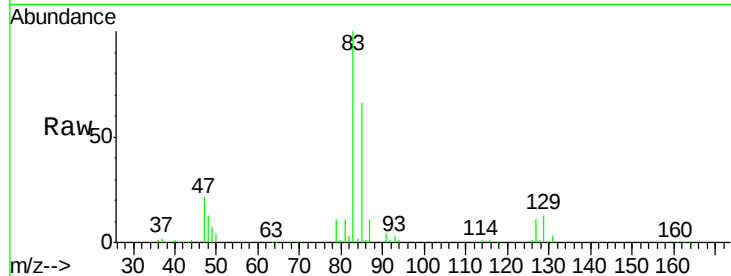
Tot Ion: 83 Resp: 537044

Ion Ratio Lower Upper

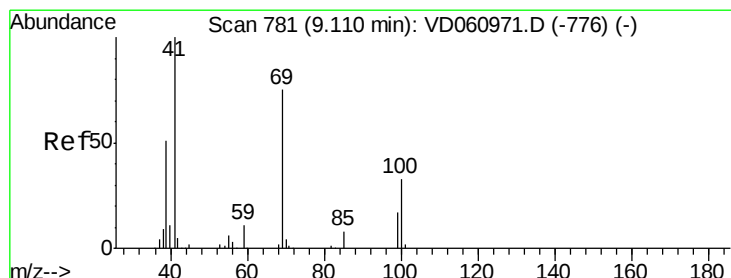
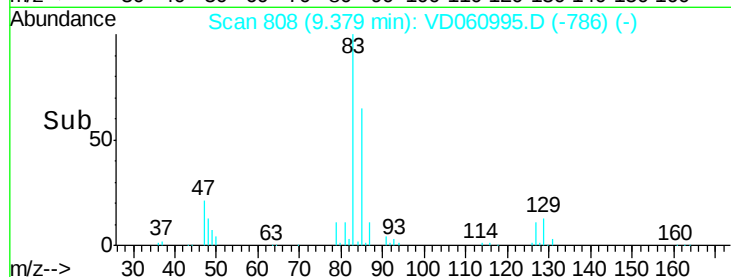
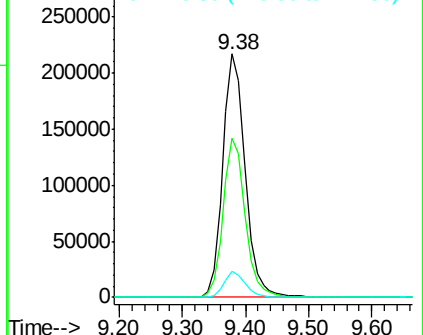
83 100

85 65.6 52.5 78.7

127 10.8 7.5 11.3



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): V



#48

Methyl methacrylate

Concen: 51.749 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

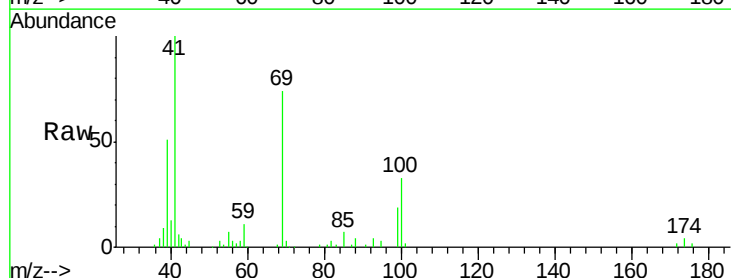
Tgt Ion: 41 Resp: 202638

Ion Ratio Lower Upper

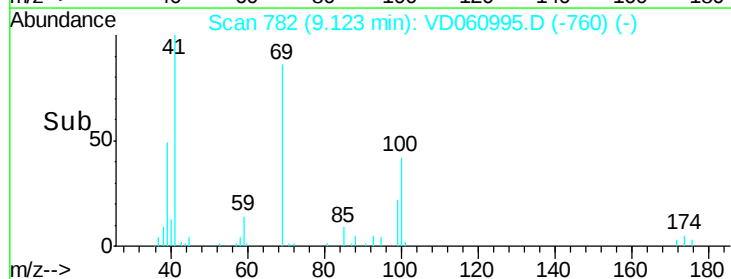
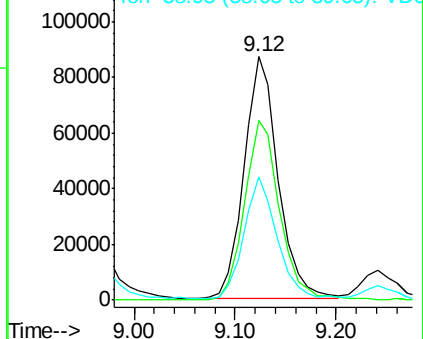
41 100

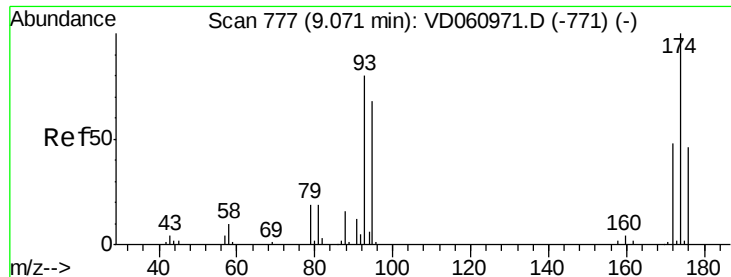
69 73.7 59.9 89.9

39 50.7 40.9 61.3



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

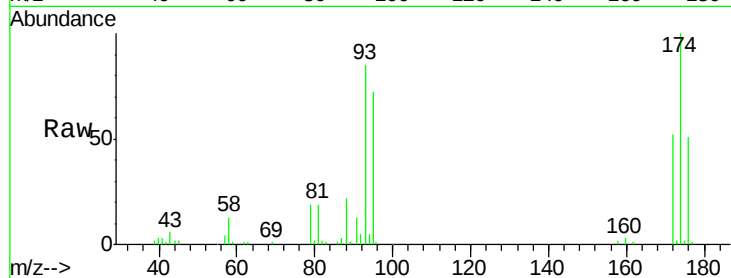




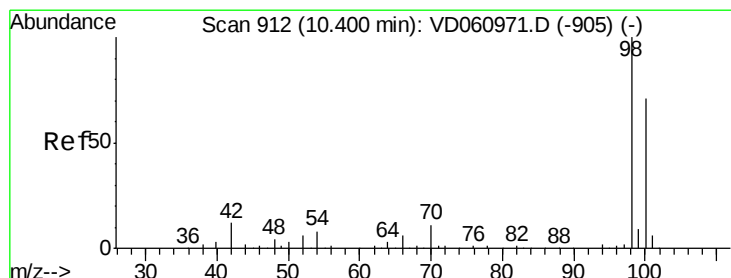
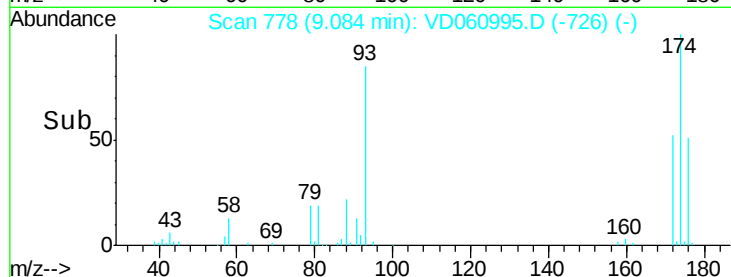
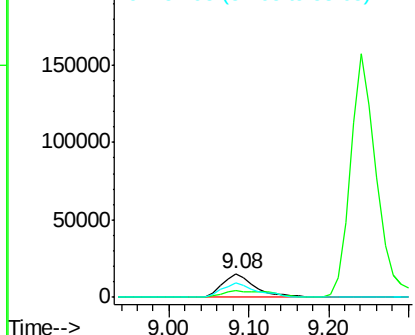
#49
1,4-Dioxane
Concen: 1103.417 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 43691
Ion Ratio Lower Upper
88 100
43 27.5 21.0 31.6
58 62.2 48.6 72.8

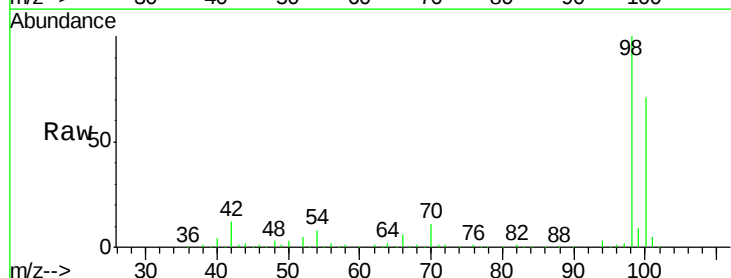


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

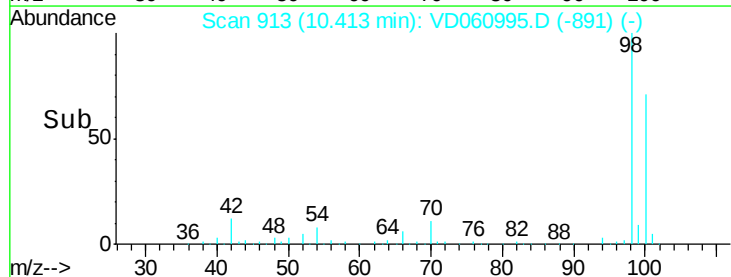
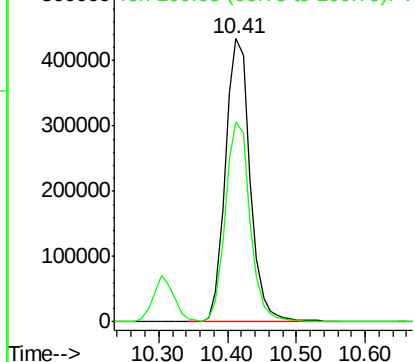


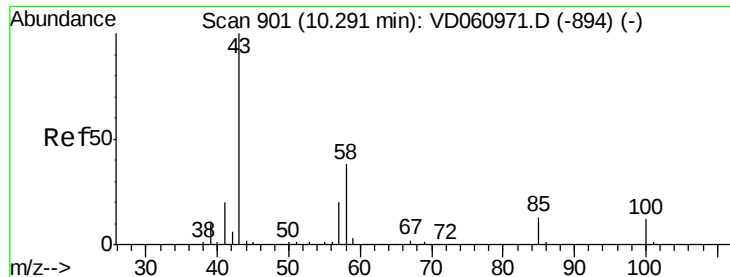
#50
Toluene-d8
Concen: 1103.417 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 98 Resp: 1076394
Ion Ratio Lower Upper
98 100
100 70.9 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 282.122 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

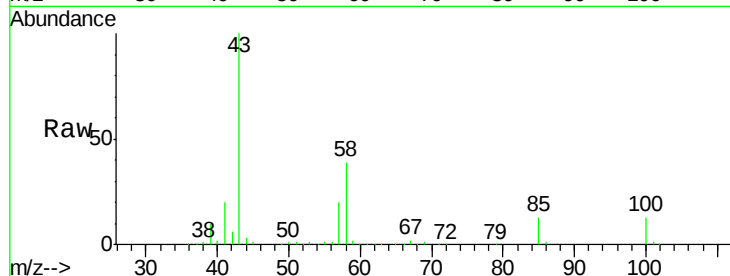
VSTDCCC050EC

Tot Ion: 43 Resp: 1202045

Ion Ratio Lower Upper

43 100

58 39.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

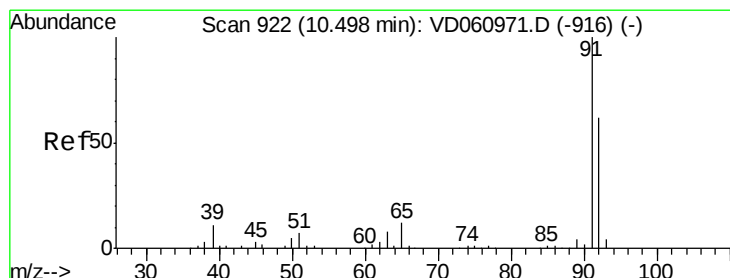
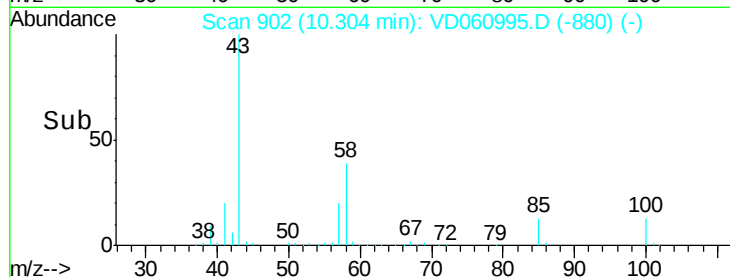
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.120 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD060995.D

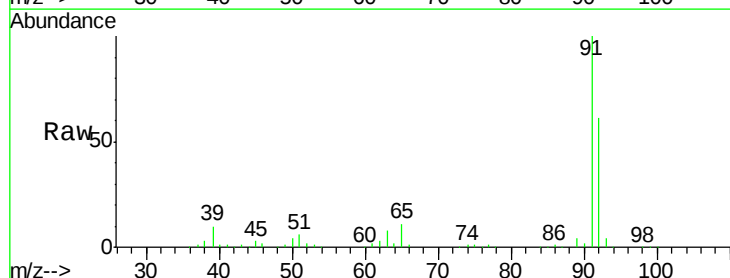
Acq: 8 Mar 2019 21:04

Tgt Ion: 92 Resp: 916475

Ion Ratio Lower Upper

92 100

91 163.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

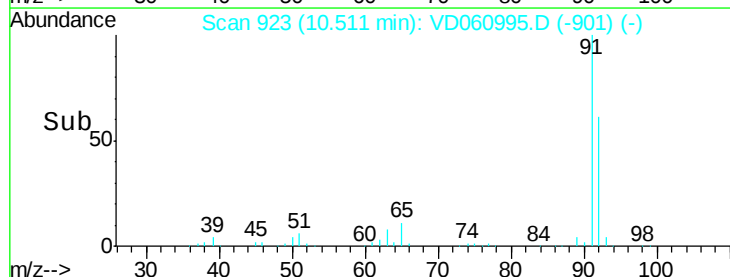
600000

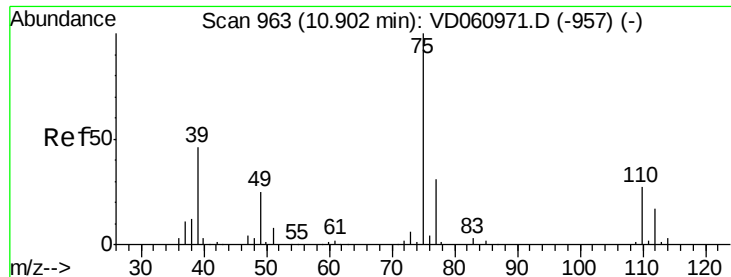
400000

200000

0

Time-->

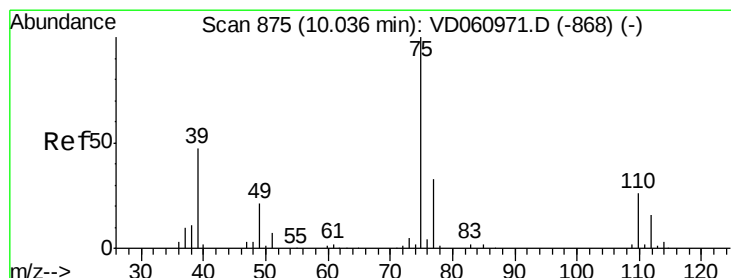
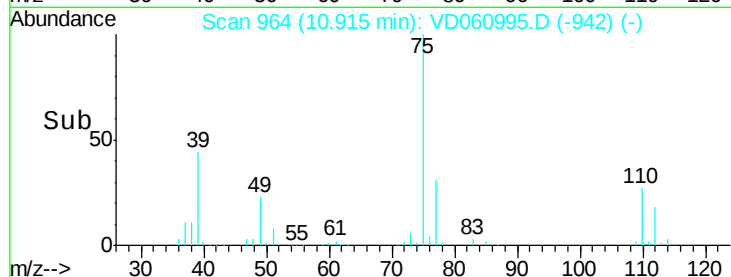
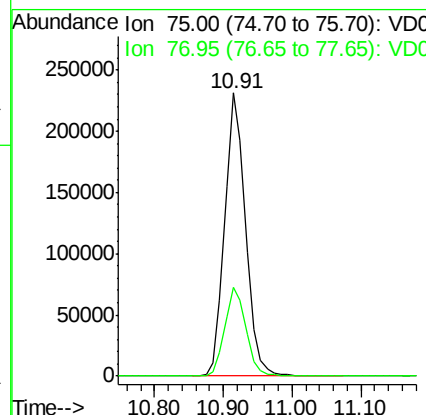
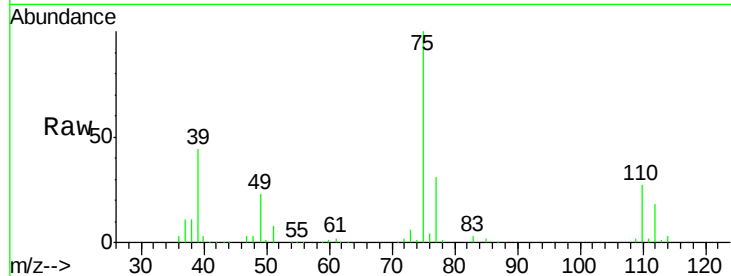




#53
 t-1,3-Dichloropropene
 Concen: 52.809 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

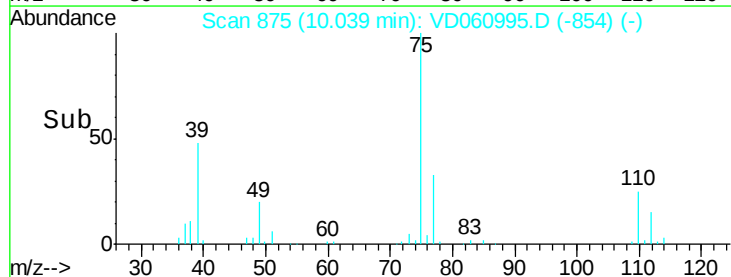
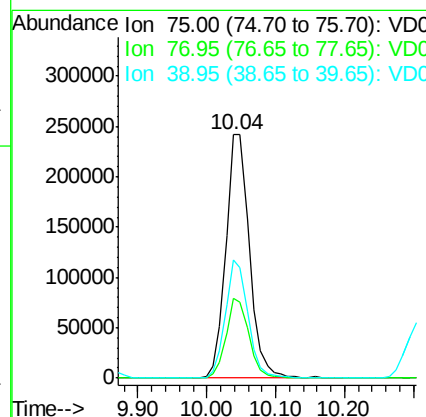
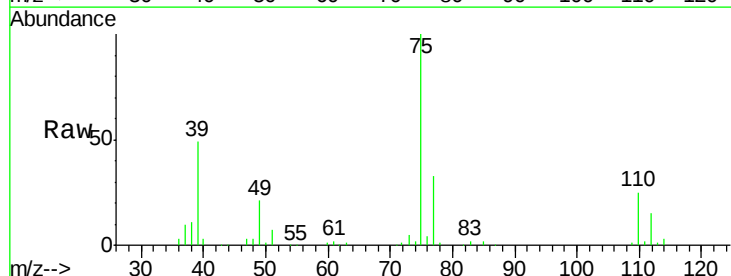
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 485553
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.098 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 75 Resp: 575548
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.4
 39 48.6 37.8 56.8

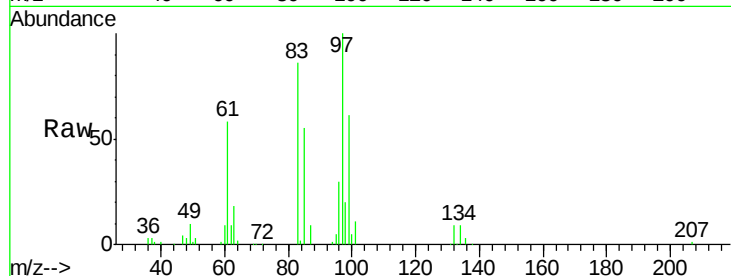




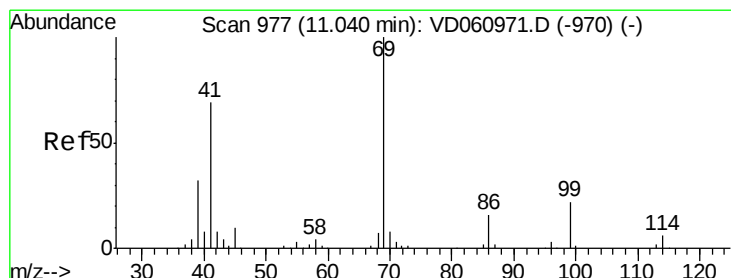
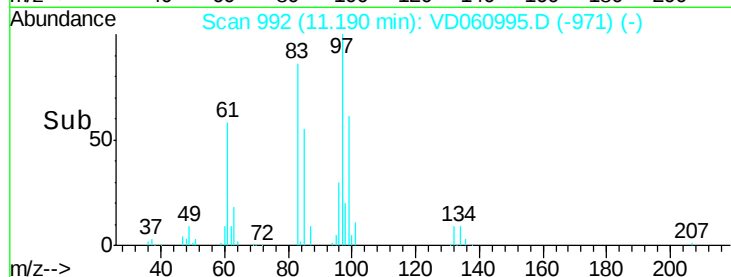
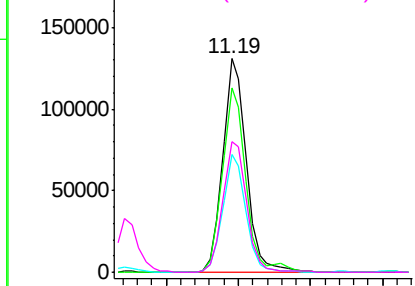
#55
 1,1,2-Trichloroethane
 Concen: 53.313 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 295195
 Ion Ratio Lower Upper
 97 100
 83 86.2 66.6 100.0
 85 55.3 46.4 69.6
 99 61.1 52.4 78.6

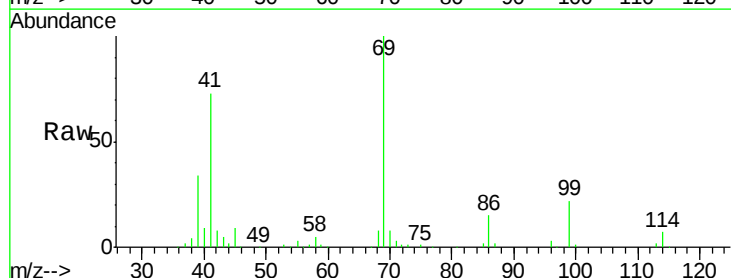


Abundance Ion 96.85 (96.55 to 97.55): VDC
 200000
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

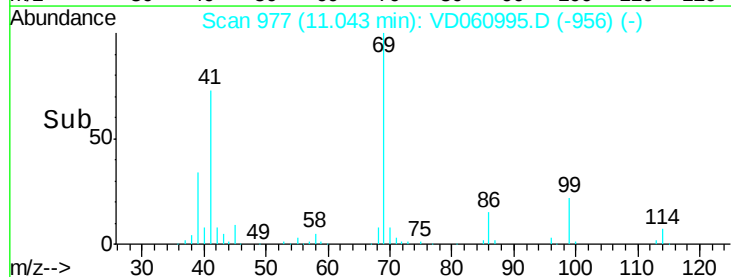
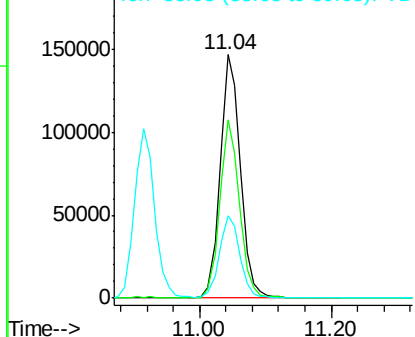


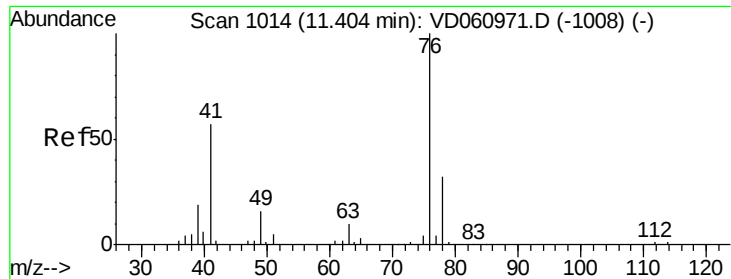
#56
 Ethyl methacrylate
 Concen: 53.979 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 69 Resp: 312847
 Ion Ratio Lower Upper
 69 100
 41 73.5 55.5 83.3
 39 33.8 26.2 39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 200000
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

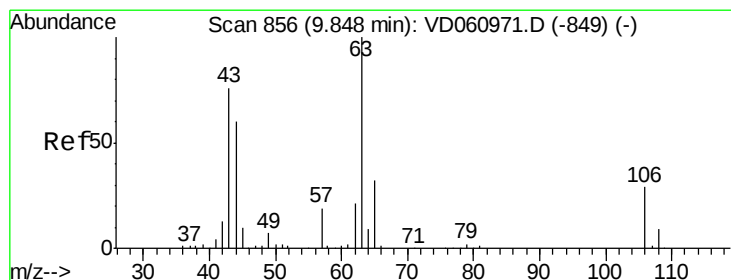
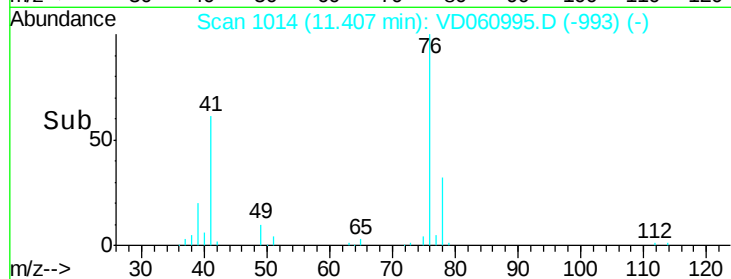
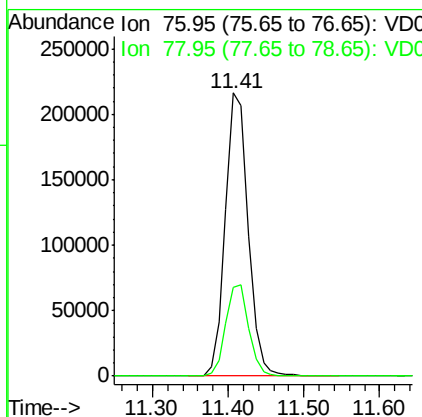
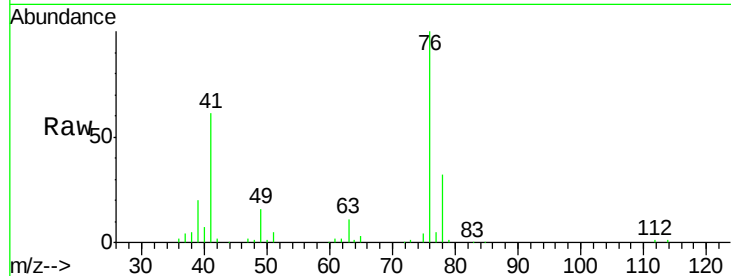




#57
 1,3-Dichloropropane
 Concen: 54.683 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

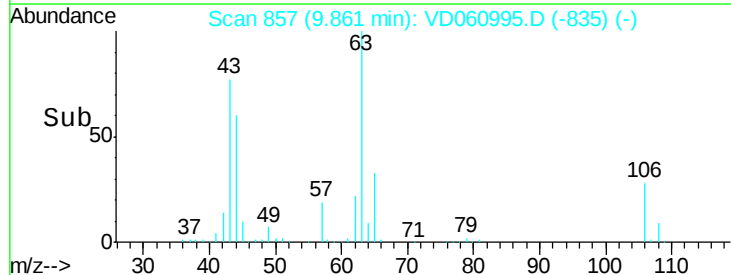
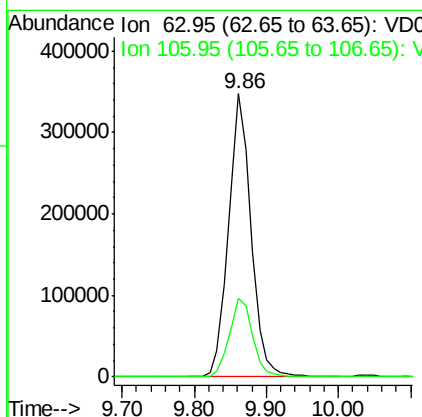
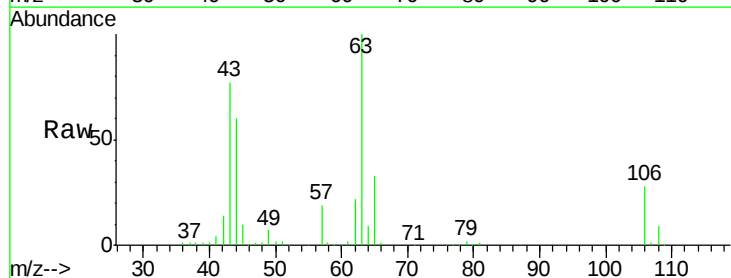
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

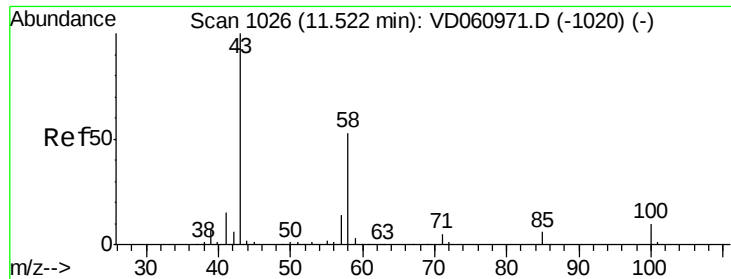
Tot Ion: 76 Resp: 452474
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.171 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 63 Resp: 758274
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.8 34.2

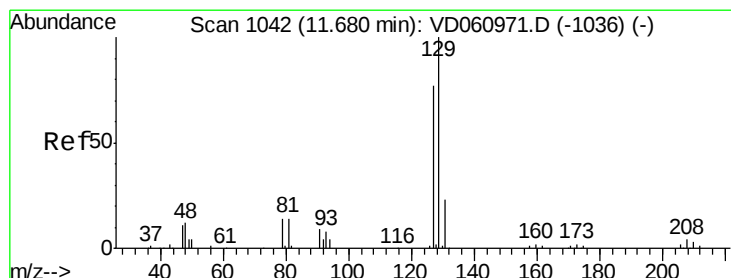
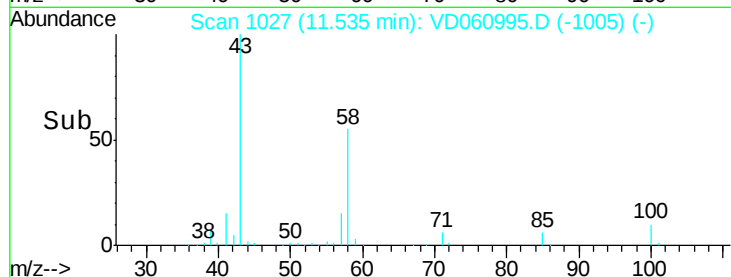
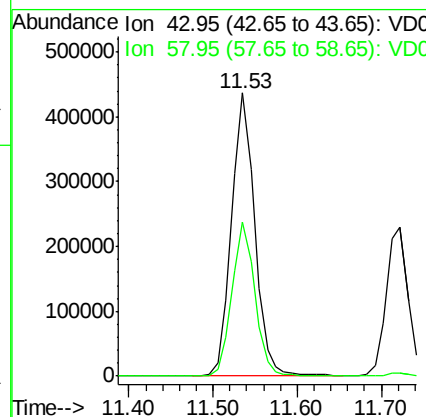
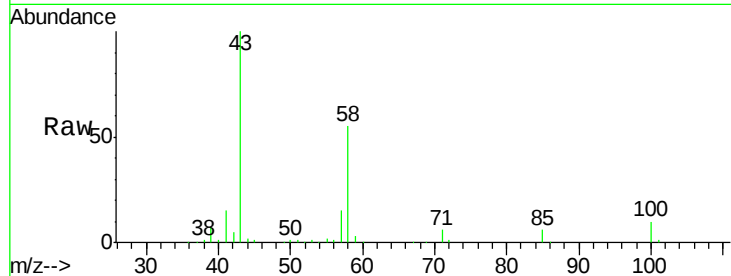




#59
2-Hexanone
Concen: 269.295 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

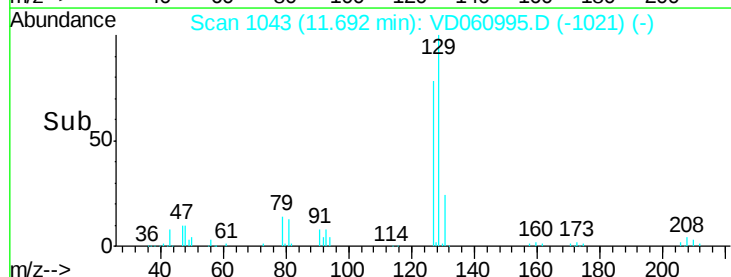
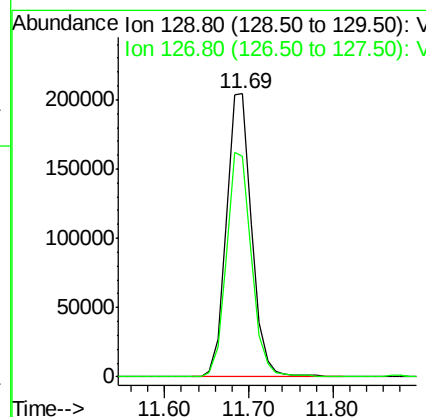
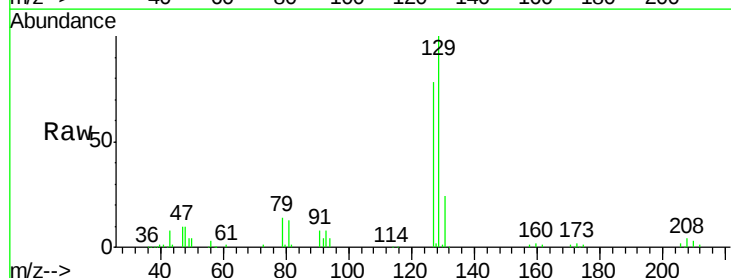
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

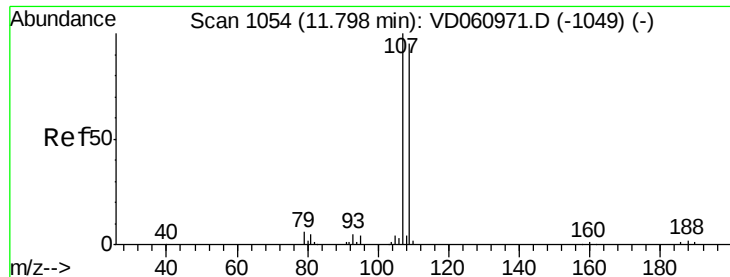
Tot Ion: 43 Resp: 839309
Ion Ratio Lower Upper
43 100
58 54.6 26.5 79.5



#60
Dibromochloromethane
Concen: 52.116 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 129 Resp: 424693
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9

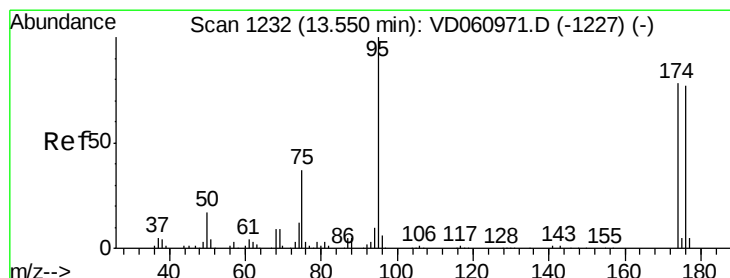
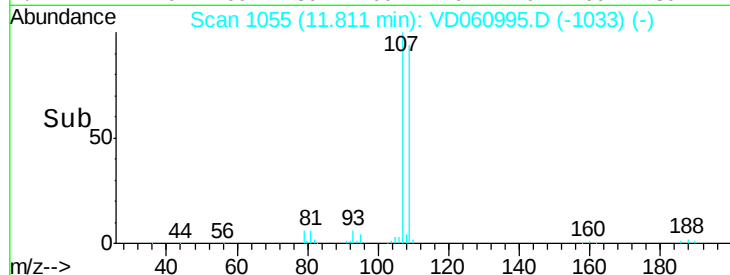
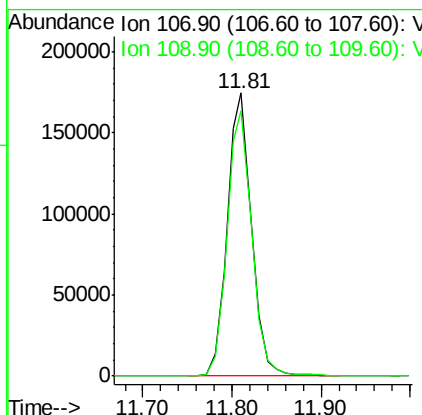
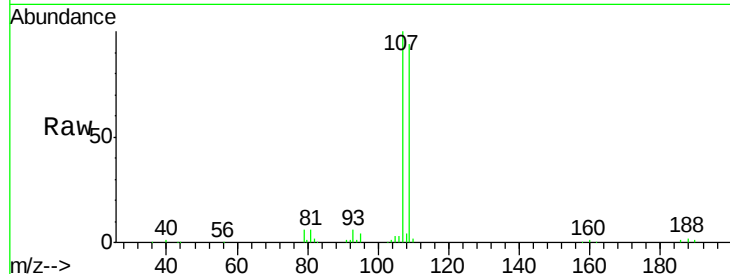




#61
 1,2-Dibromoethane
 Concen: 52.168 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

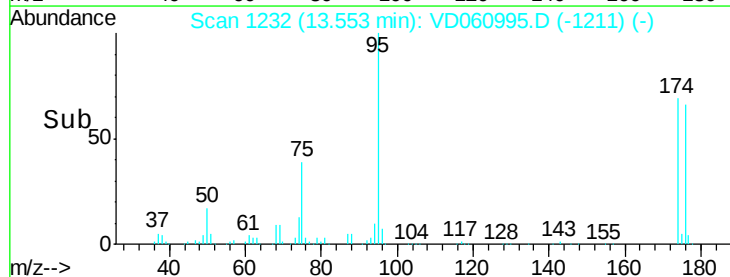
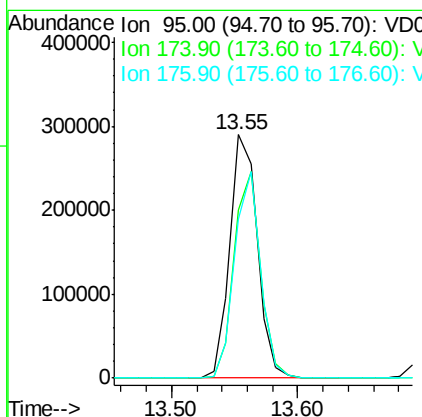
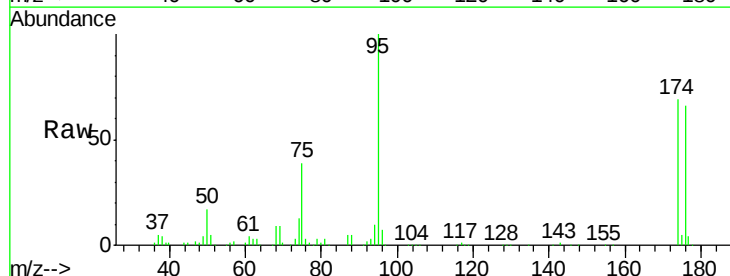
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

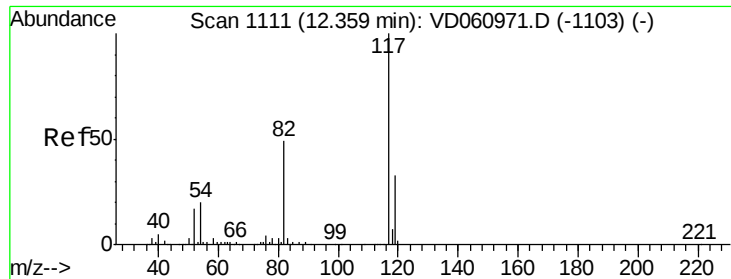
Tot Ion: 107 Resp: 336023
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.168 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 95 Resp: 435435
 Ion Ratio Lower Upper
 95 100
 174 68.9 0.0 155.6
 176 65.5 0.0 153.8

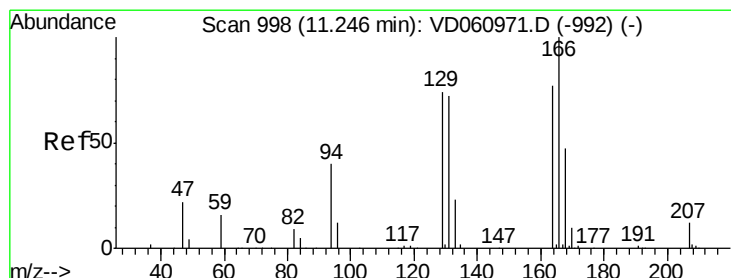
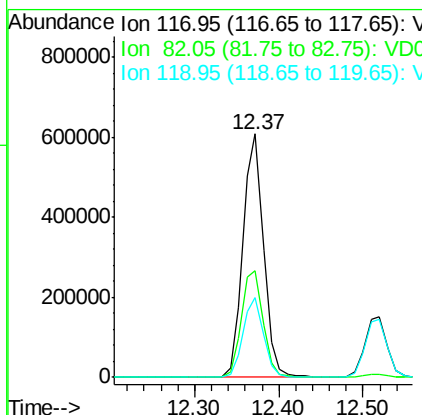
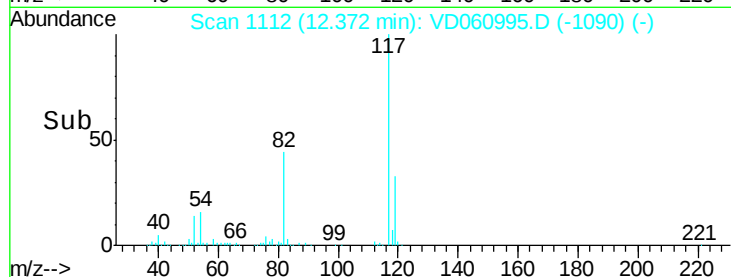
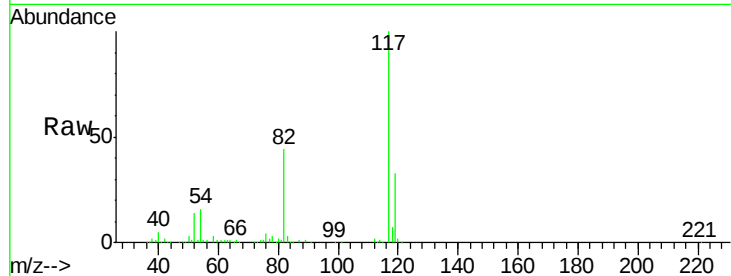




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

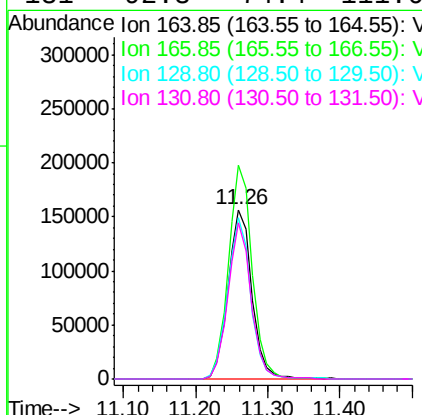
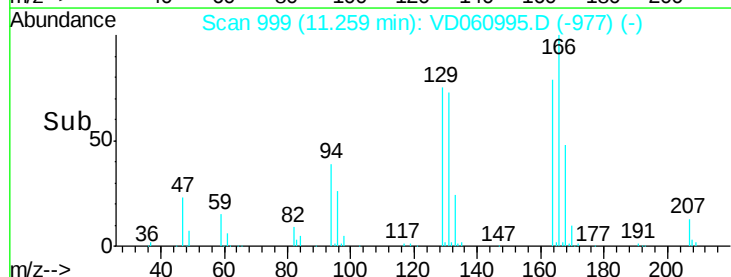
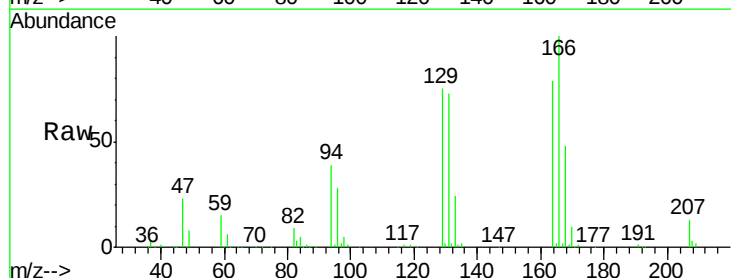
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

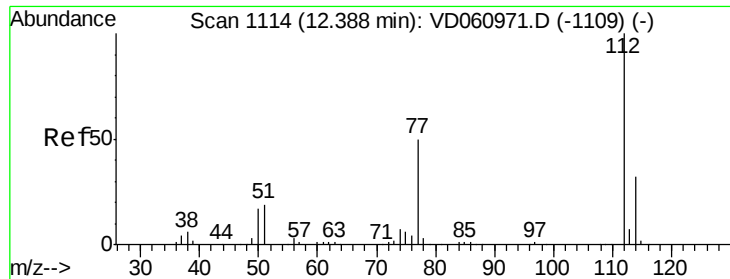
Tot Ion:117 Resp: 1038550
Ion Ratio Lower Upper
117 100
82 43.6 38.9 58.3
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 51.068 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion:164 Resp: 358020
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 95.1 76.9 115.3
131 92.3 74.4 111.6

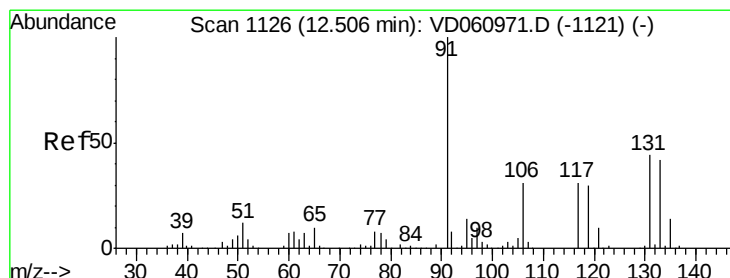
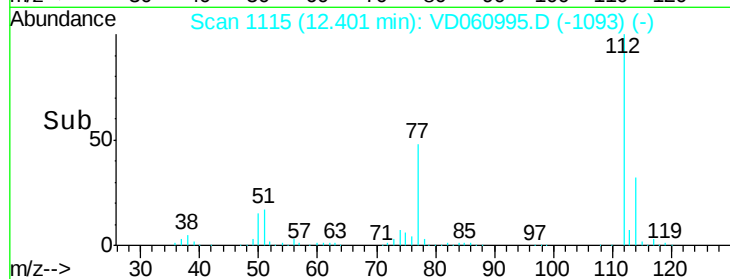
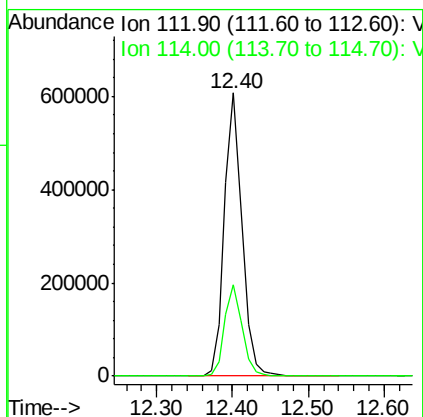
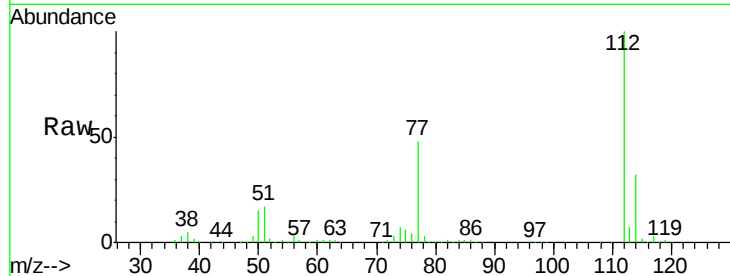




#65
Chlorobenzene
Concen: 48.432 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

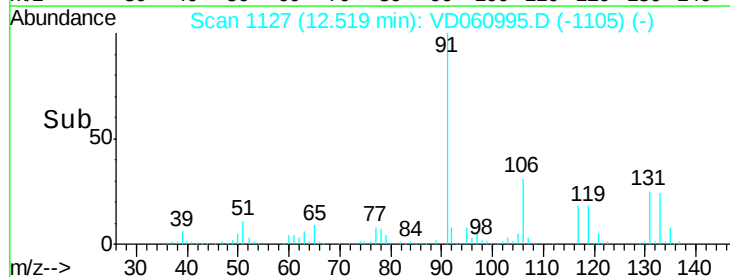
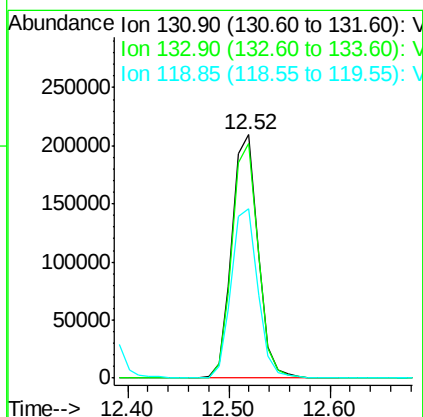
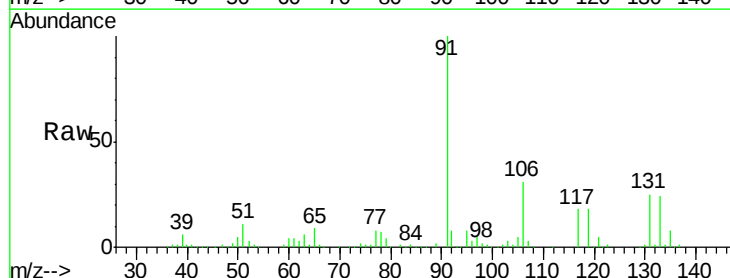
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 986076
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.108 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion:131 Resp: 378171
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 69.3 34.3 102.9

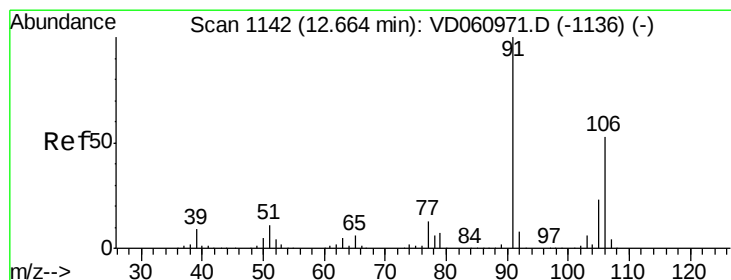
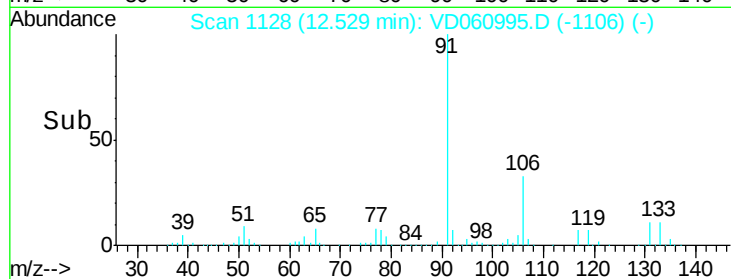
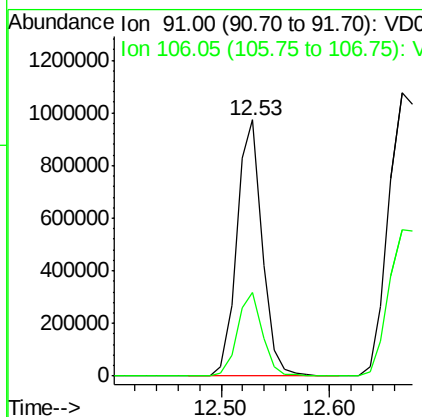
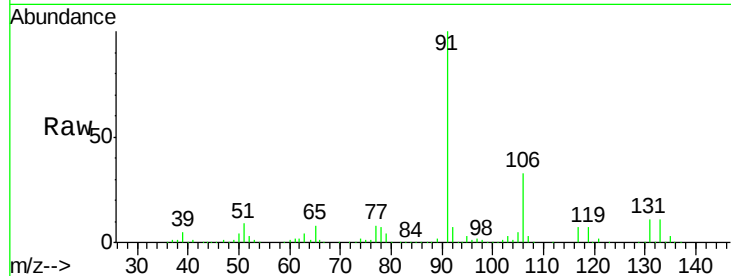




#67
Ethyl Benzene
Concen: 52.091 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

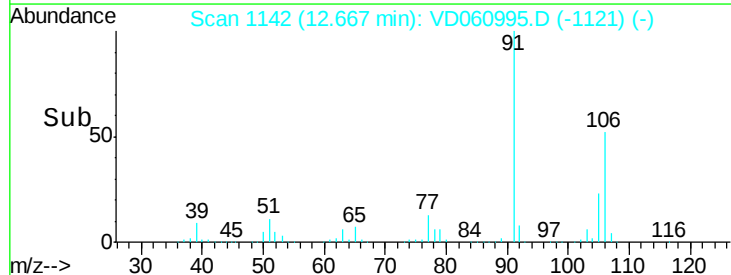
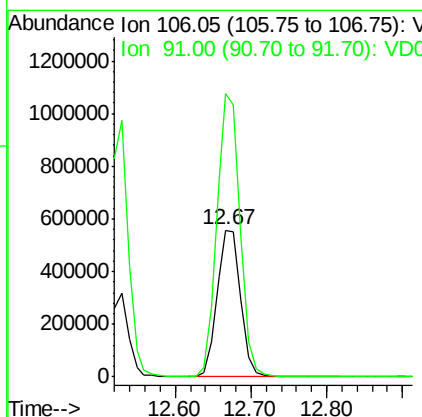
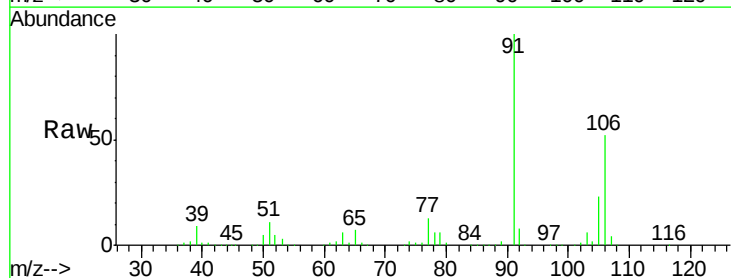
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

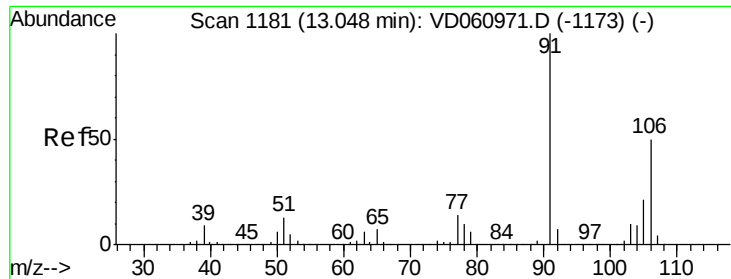
Tot Ion: 91 Resp: 1578922
Ion Ratio Lower Upper
91 100
106 32.8 25.7 38.5



#68
m/p-Xylenes
Concen: 100.645 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 106 Resp: 1197356
Ion Ratio Lower Upper
106 100
91 193.1 152.0 228.0

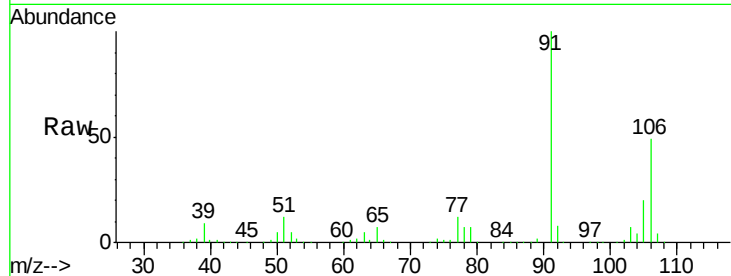




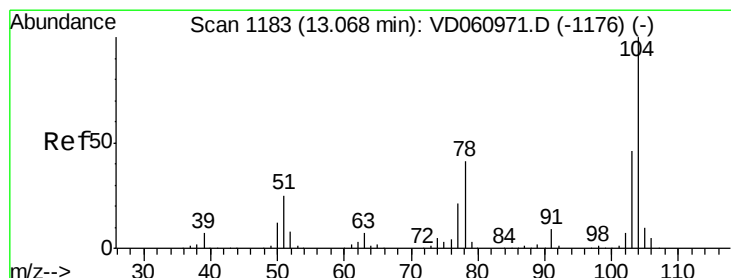
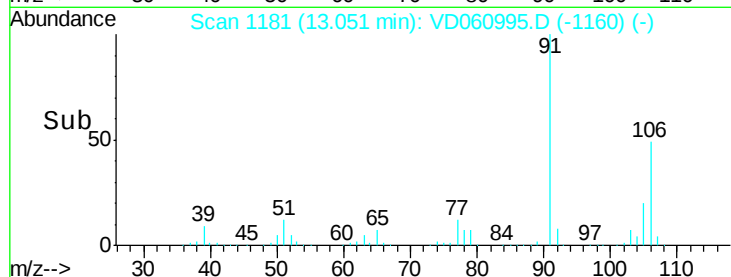
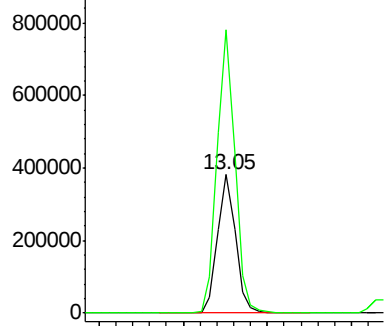
#69
o-Xylene
Concen: 49.173 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 575036
Ion Ratio Lower Upper
106 100
91 204.9 99.8 299.3

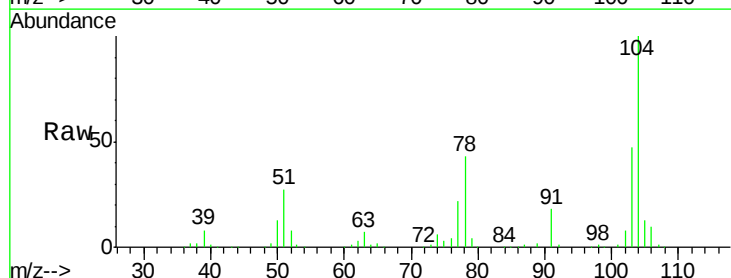


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

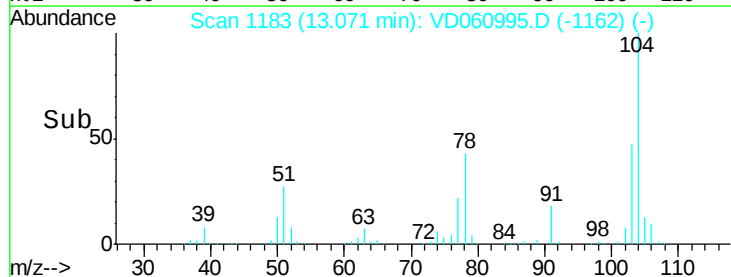
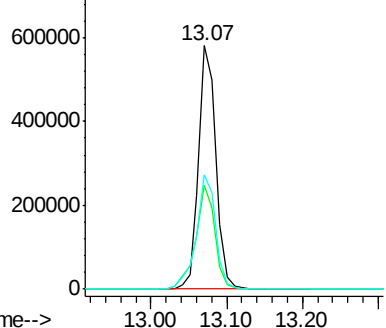


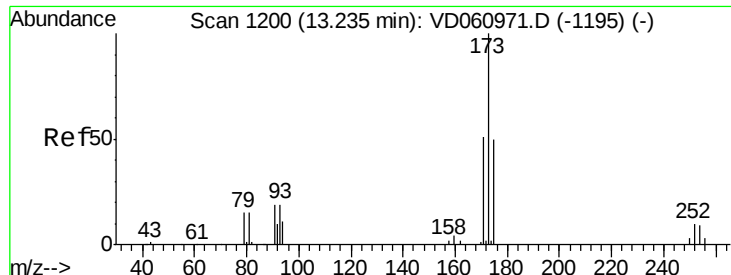
#70
Styrene
Concen: 47.960 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion:104 Resp: 915808
Ion Ratio Lower Upper
104 100
78 42.9 33.0 49.4
103 47.1 37.1 55.7



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: 54.236 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

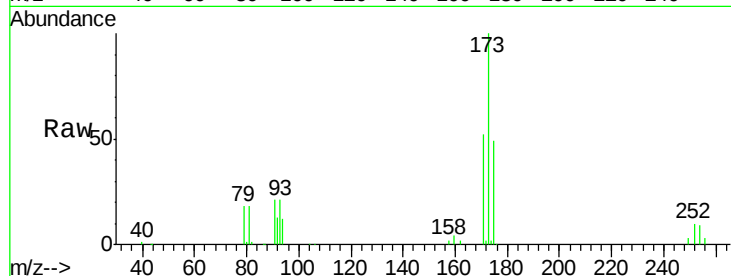
Tot Ion:173 Resp: 253921

Ion Ratio Lower Upper

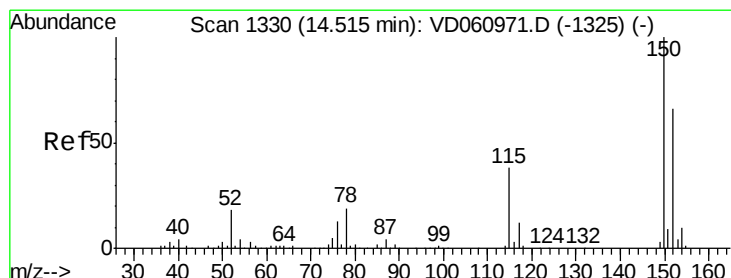
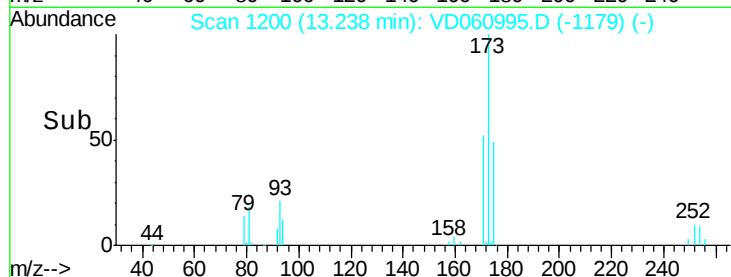
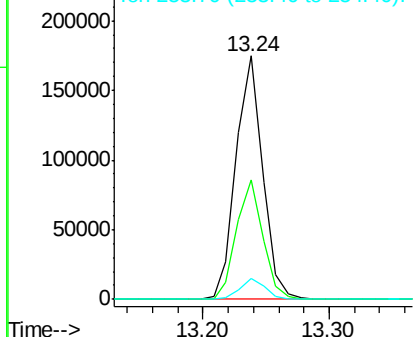
173 100

175 49.3 24.9 74.8

254 8.7 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

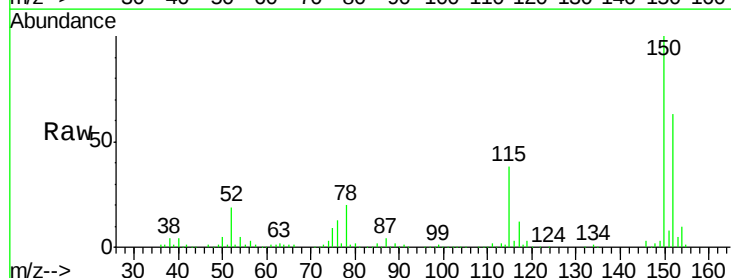
Tgt Ion:152 Resp: 451766

Ion Ratio Lower Upper

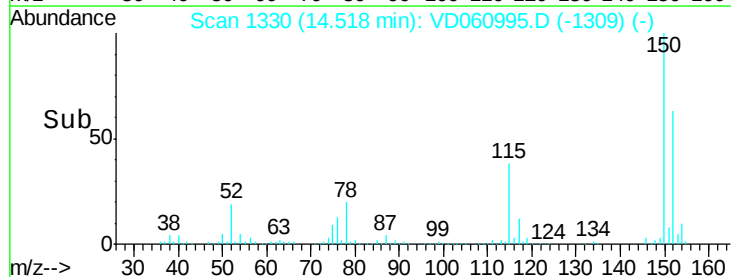
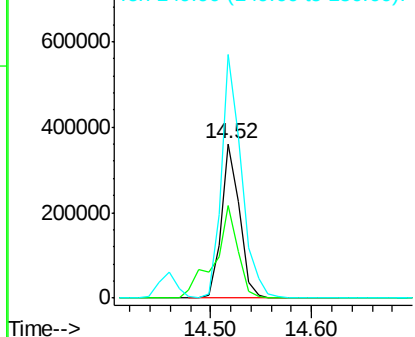
152 100

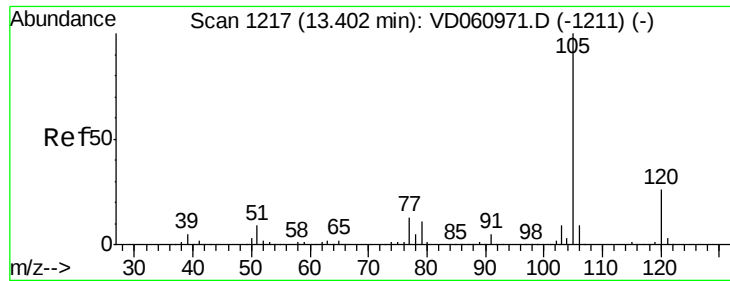
115 59.9 28.6 85.9

150 157.8 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.351 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

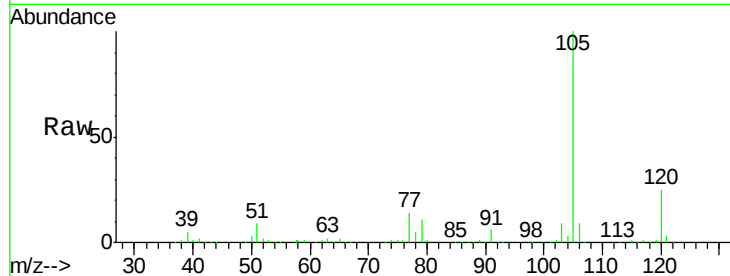
VSTDCCC050EC

Tot Ion:105 Resp: 1606755

Ion Ratio Lower Upper

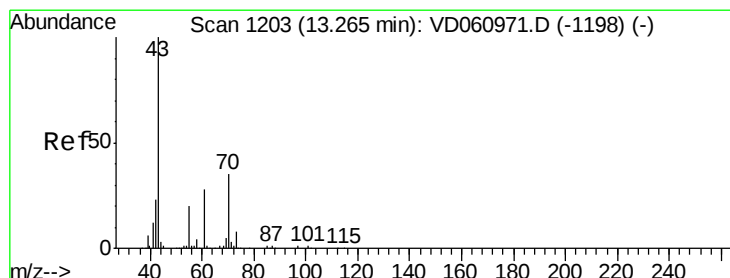
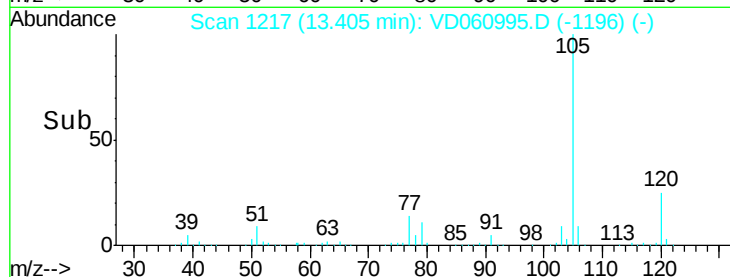
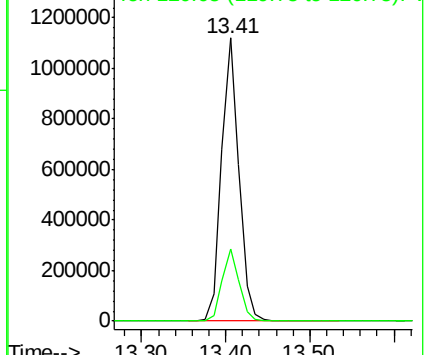
105 100

120 25.3 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.038 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Tgt Ion: 43 Resp: 449561

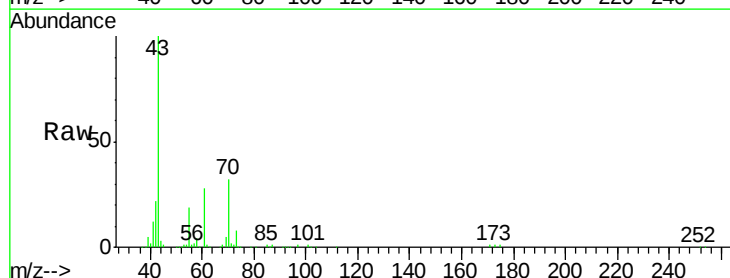
Ion Ratio Lower Upper

43 100

70 32.4 27.7 41.5

55 19.0 16.2 24.2

61 28.2 22.3 33.5

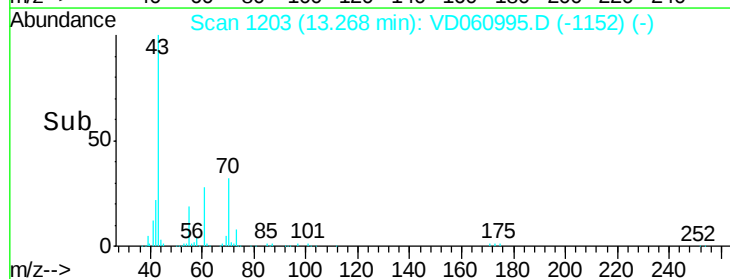
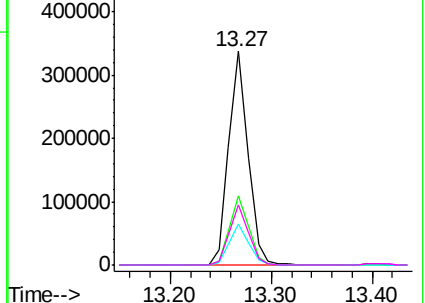


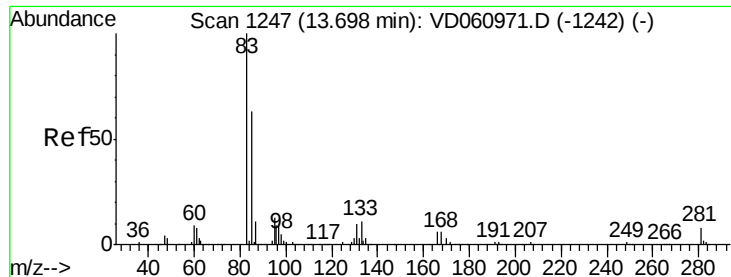
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 50.347 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

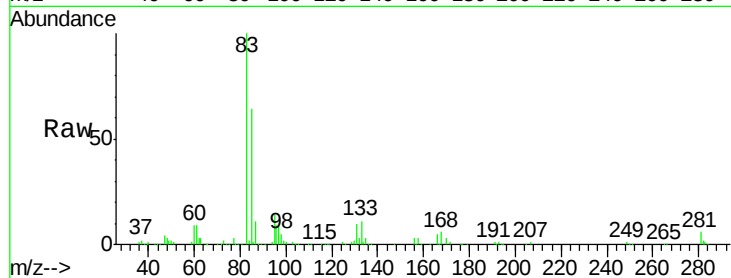
Tot Ion: 83 Resp: 319815

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	64.5	31.5	94.5

83 100

131 9.8 5.1 15.3

85 64.5 31.5 94.5



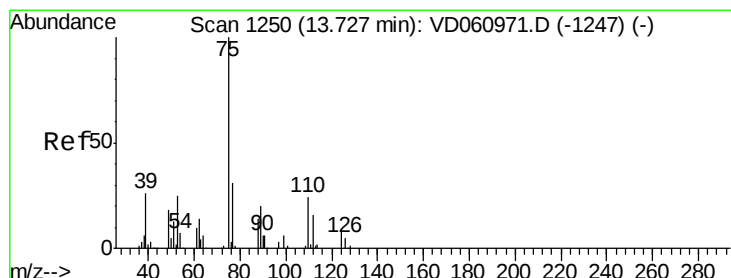
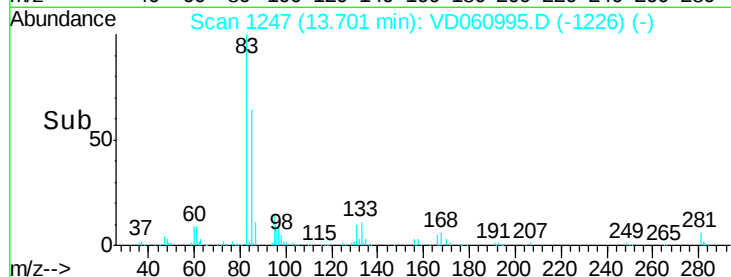
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.70

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 52.881 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060995.D

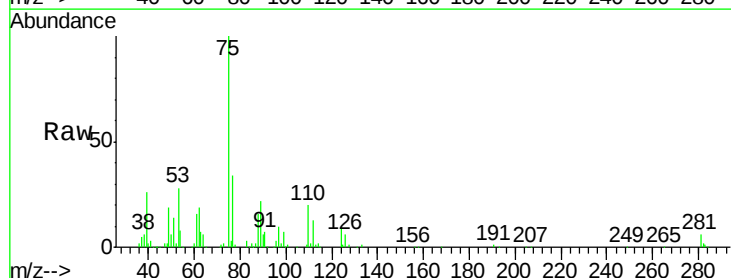
Acq: 8 Mar 2019 21:04

Tgt Ion: 75 Resp: 343699

Ion	Ratio	Lower	Upper
75	100		
77	33.8	16.6	49.7

75 100

77 33.8 16.6 49.7

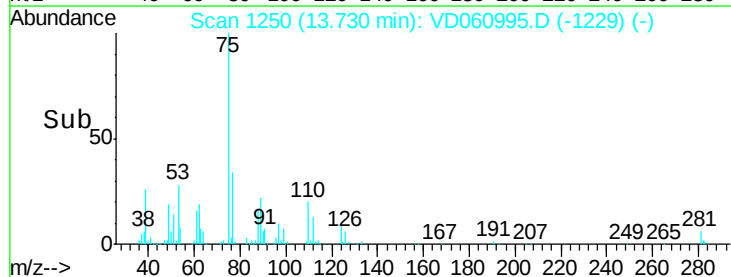


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.73

Time--> 13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 50.007 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

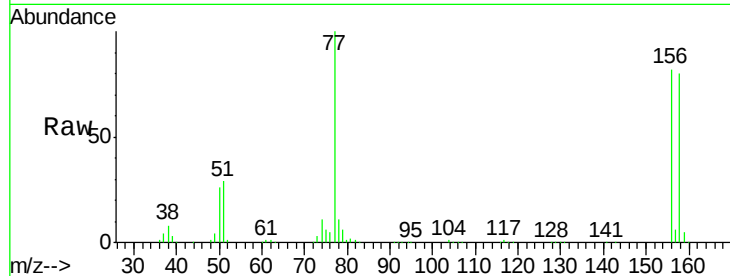
Tot Ion:156 Resp: 415612

Ion Ratio Lower Upper

156 100

77 122.3 55.5 166.7

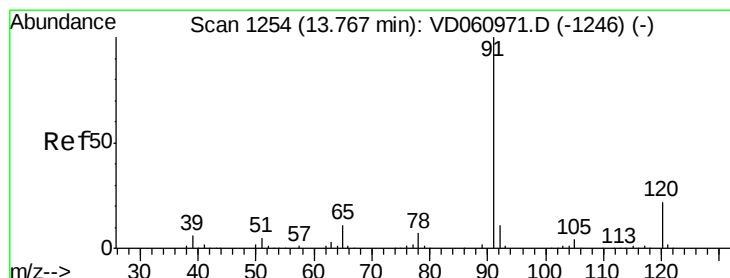
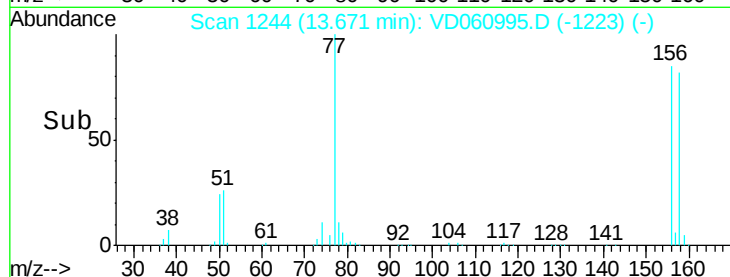
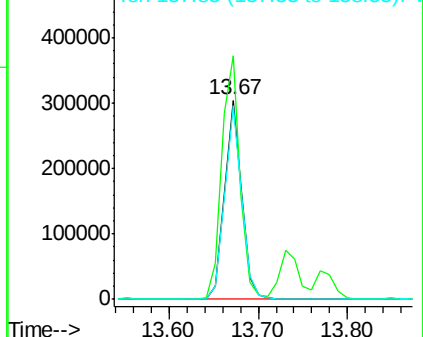
158 97.2 49.0 147.0



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: 46.772 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060995.D

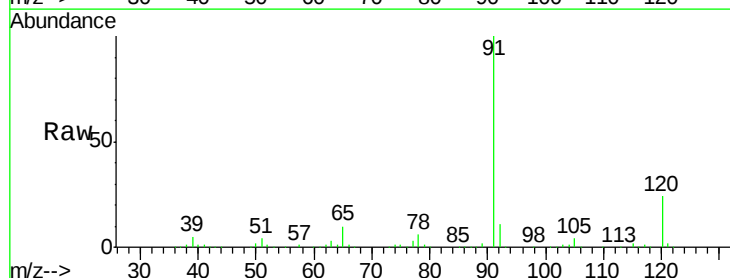
Acq: 8 Mar 2019 21:04

Tgt Ion: 91 Resp: 1782741

Ion Ratio Lower Upper

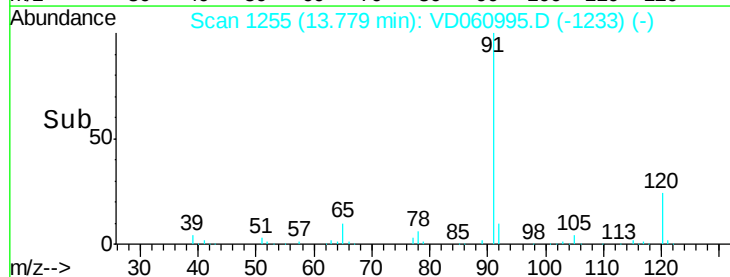
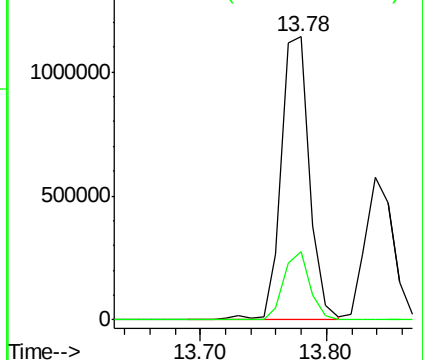
91 100

120 24.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

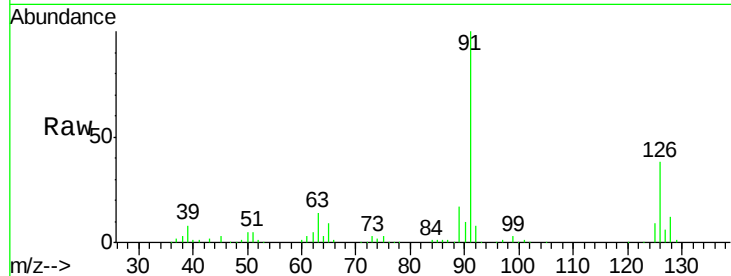




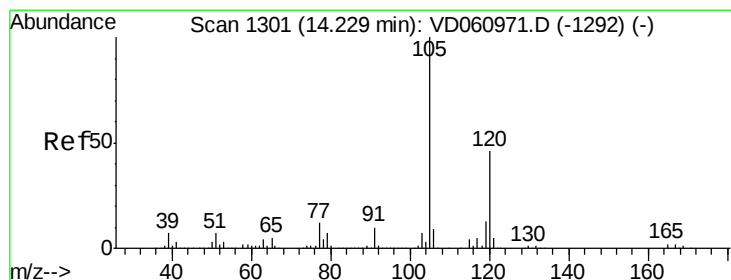
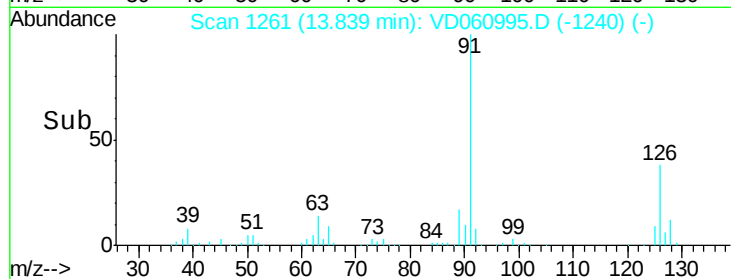
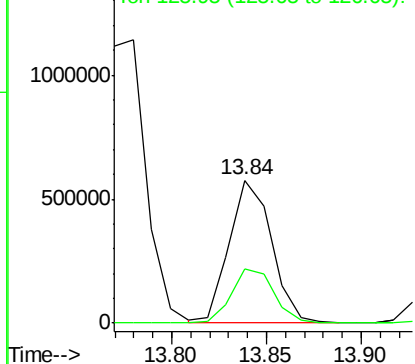
#79
2-Chlorotoluene
Concen: 42.325 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 888151
Ion Ratio Lower Upper
91 100
126 37.6 18.6 55.6

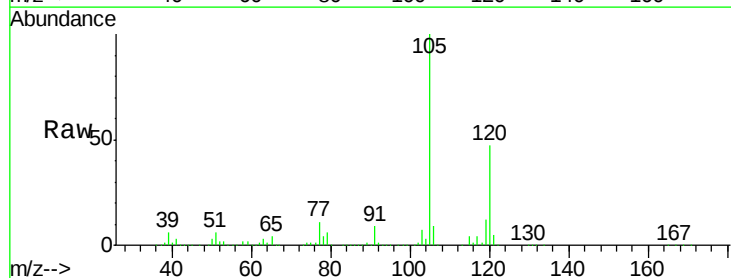


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

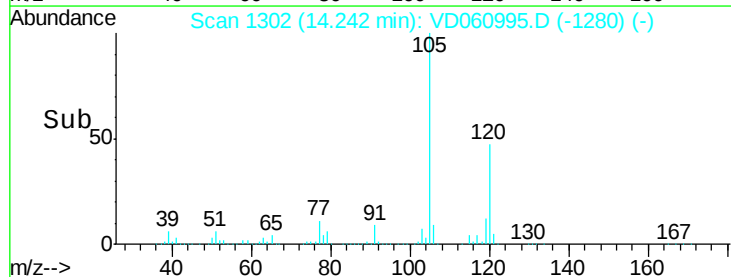
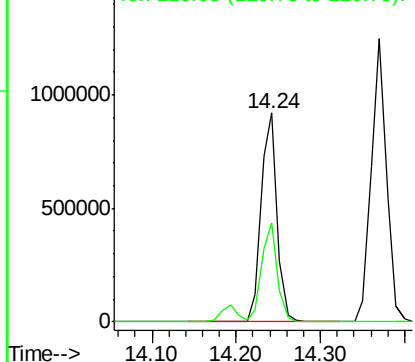


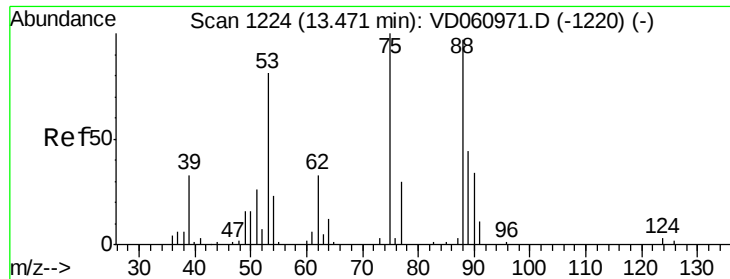
#80
1,3,5-Trimethylbenzene
Concen: 50.338 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 105 Resp: 1244195
Ion Ratio Lower Upper
105 100
120 47.2 22.9 68.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 51.774 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

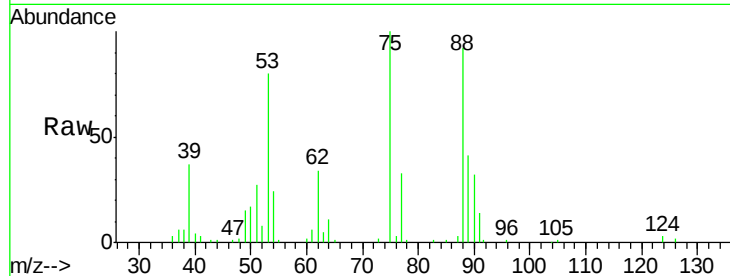
Tot Ion: 75 Resp: 99208

Ion Ratio Lower Upper

75 100

53 80.1 64.4 96.6

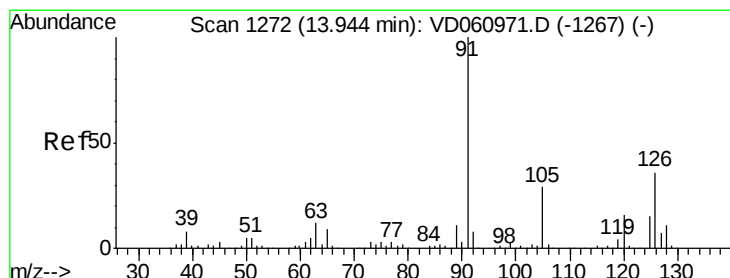
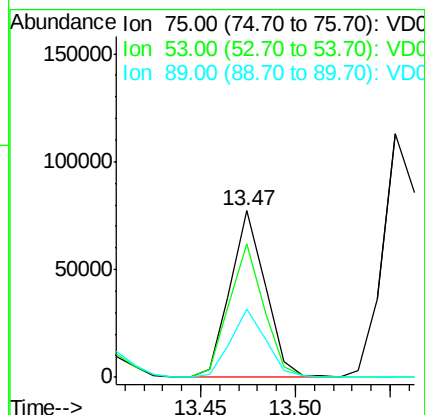
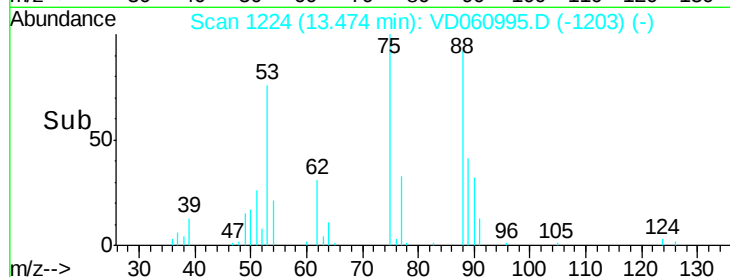
89 41.2 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.646 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD060995.D

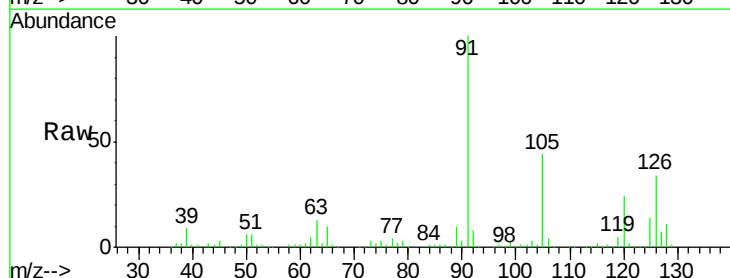
Acq: 8 Mar 2019 21:04

Tgt Ion: 91 Resp: 1132342

Ion Ratio Lower Upper

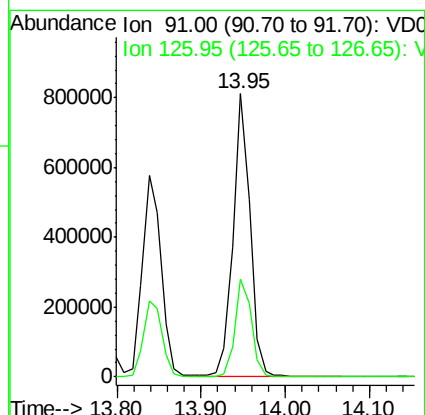
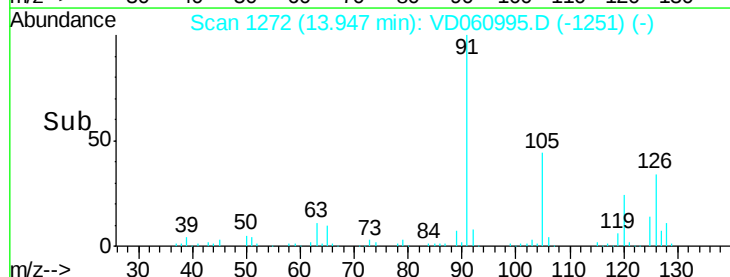
91 100

126 34.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 51.199 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD060995.D

Acq: 8 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

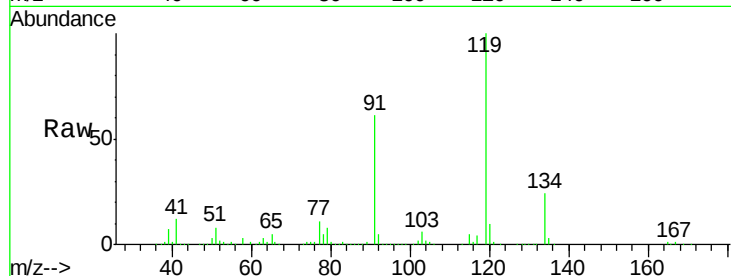
Tot Ion:119 Resp: 1384903

Ion Ratio Lower Upper

119 100

91 61.2 30.1 90.3

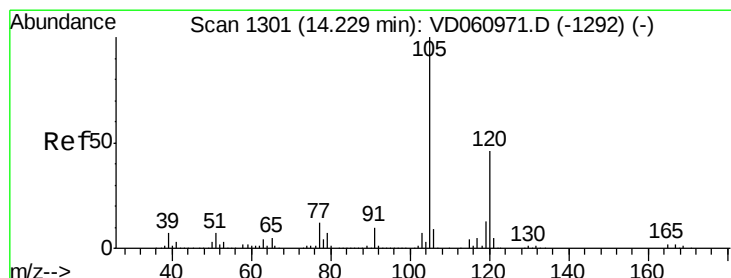
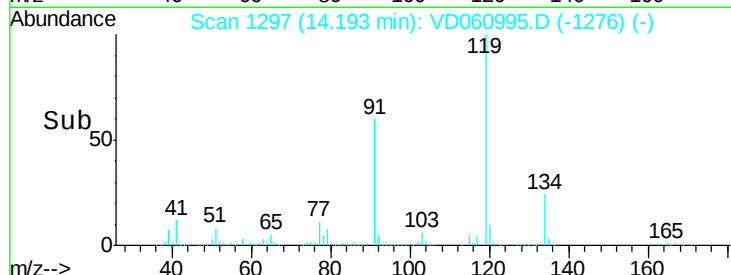
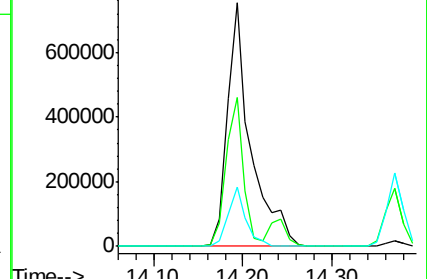
134 24.2 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.338 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060995.D

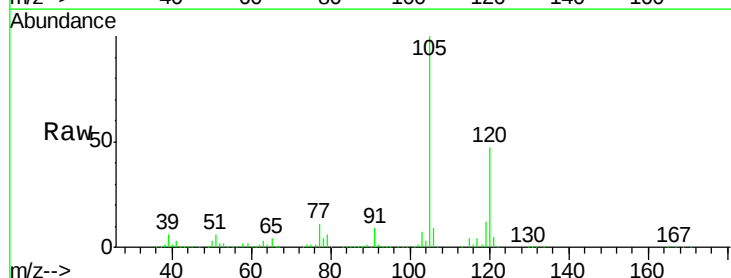
Acq: 8 Mar 2019 21:04

Tgt Ion:105 Resp: 1244195

Ion Ratio Lower Upper

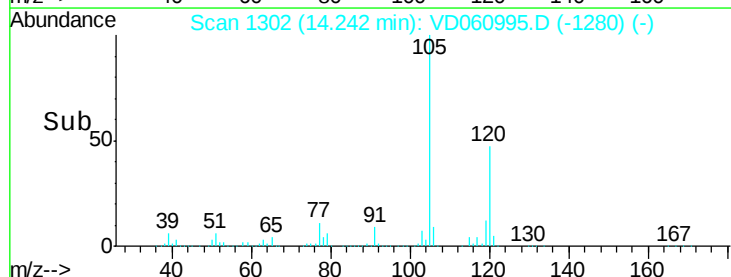
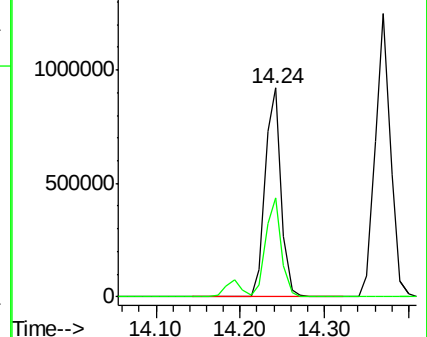
105 100

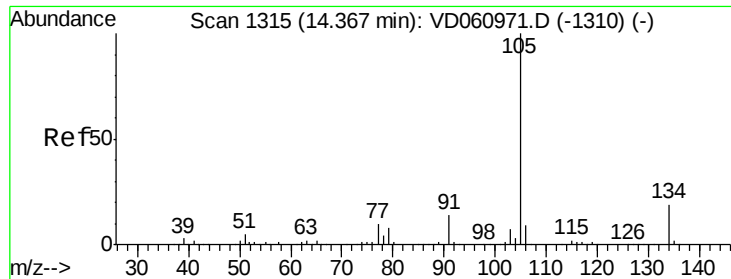
120 47.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

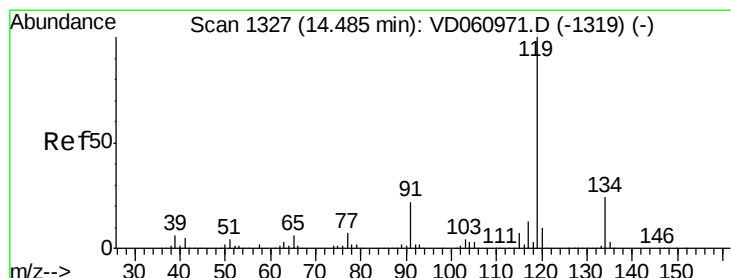
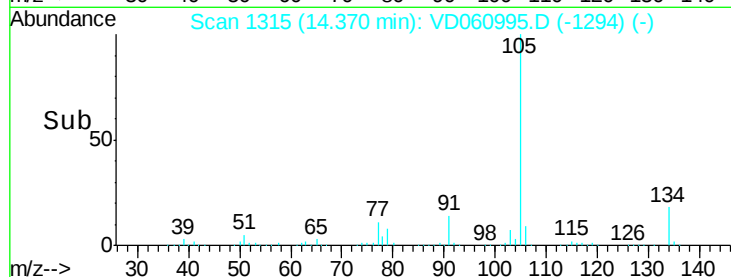
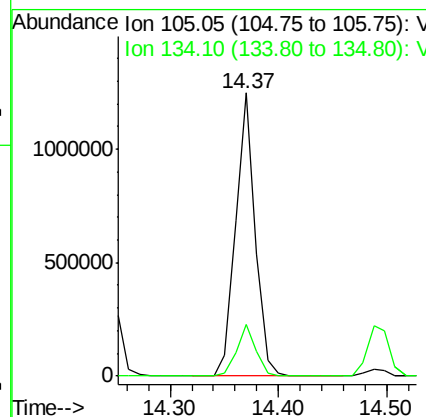
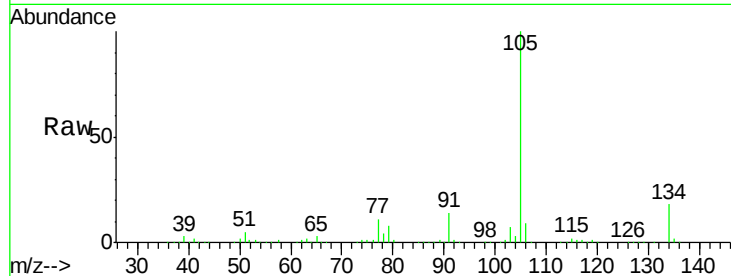




#85
 sec-Butylbenzene
 Concen: 47.488 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

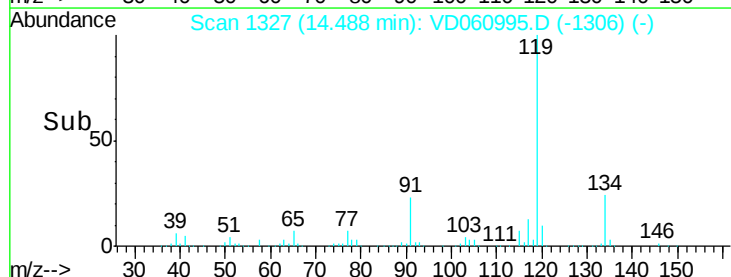
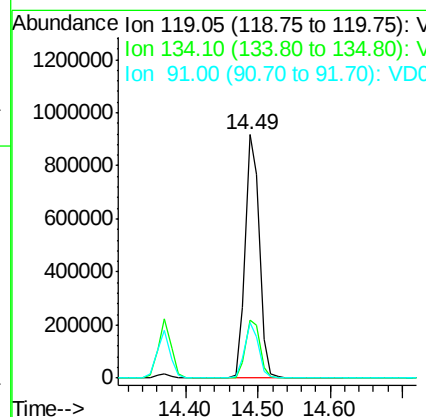
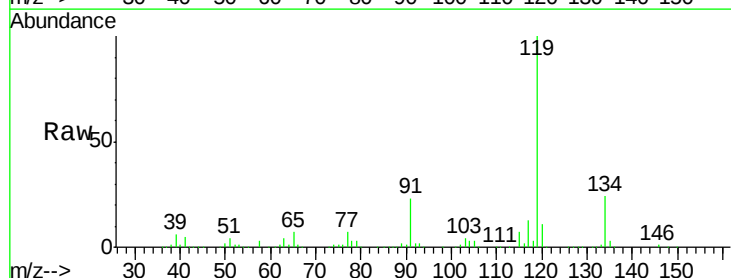
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

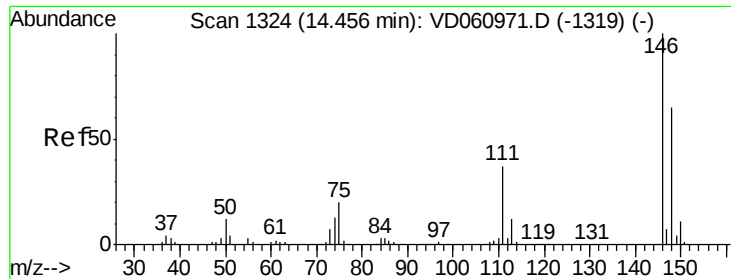
Tot Ion:105 Resp: 1568170
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 46.858 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion:119 Resp: 1264815
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.0 36.1
 91 22.9 11.2 33.6

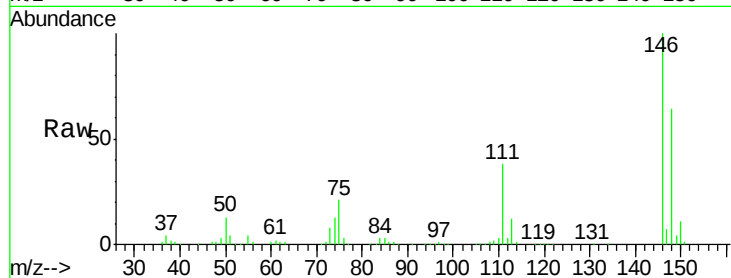




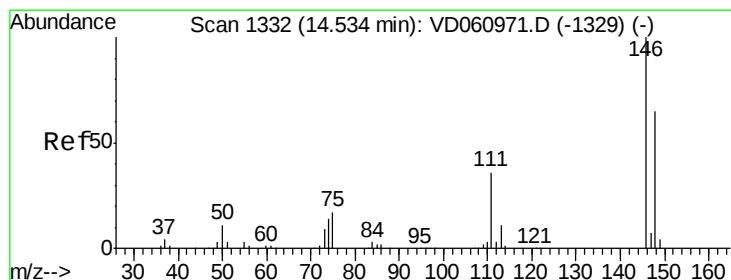
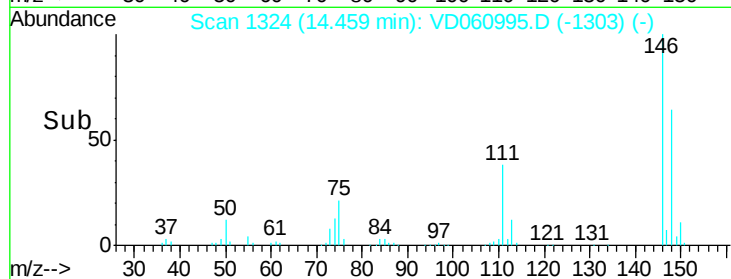
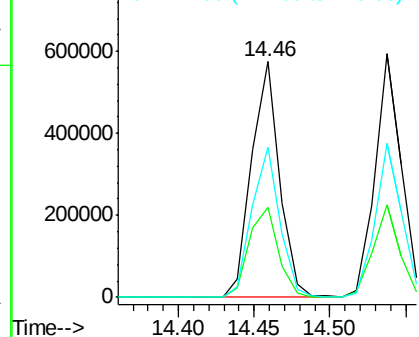
#87
 1,3-Dichlorobenzene
 Concen: 49.925 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 740913
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.4
 148 63.7 32.5 97.4

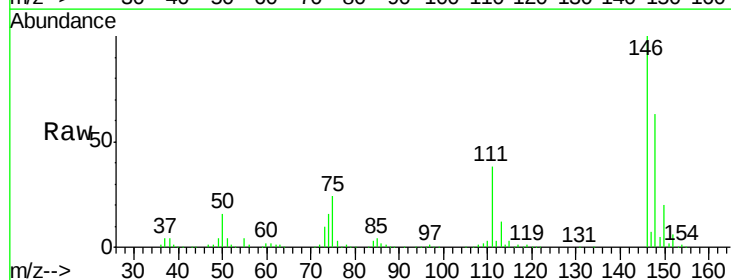


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

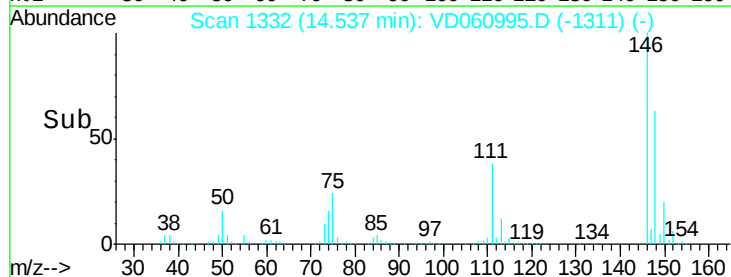
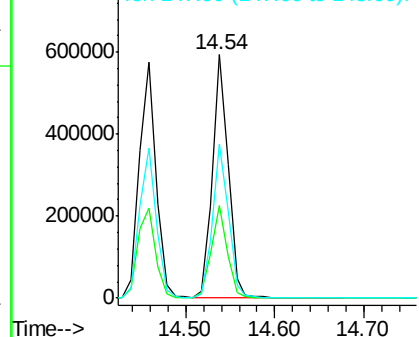


#88
 1,4-Dichlorobenzene
 Concen: 49.698 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion:146 Resp: 724785
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.2
 148 63.4 32.5 97.5



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

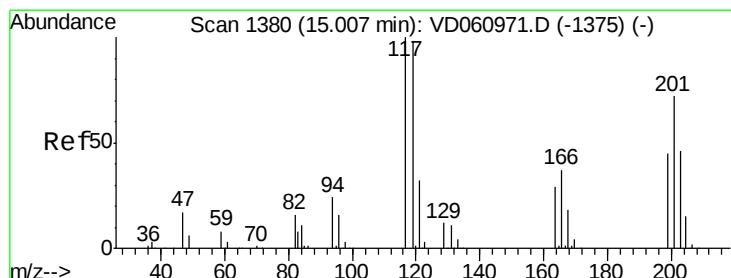
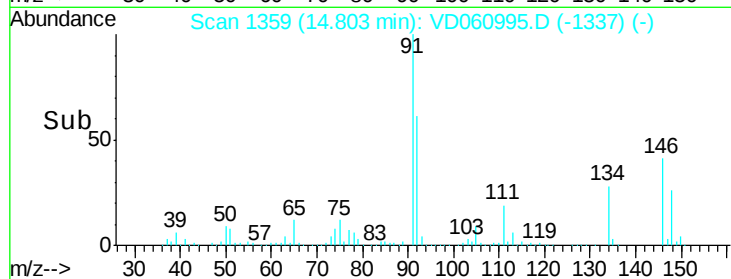
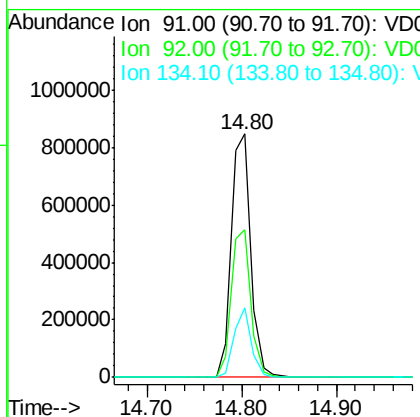
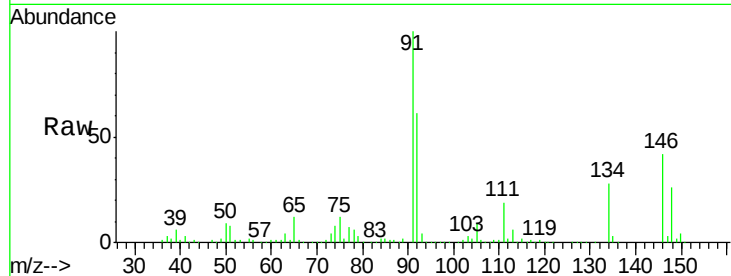




#89
n-Butylbenzene
Concen: 46.639 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

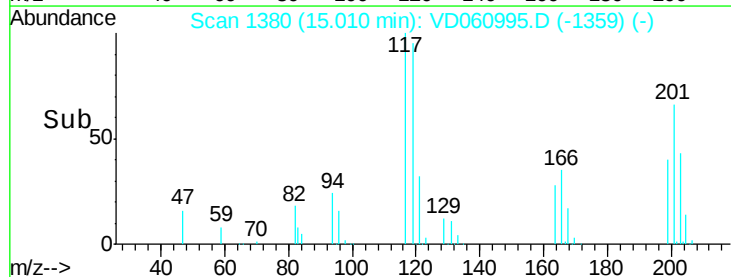
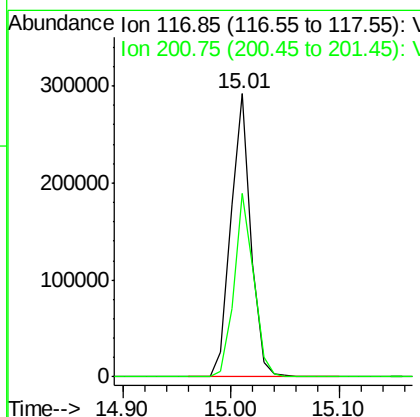
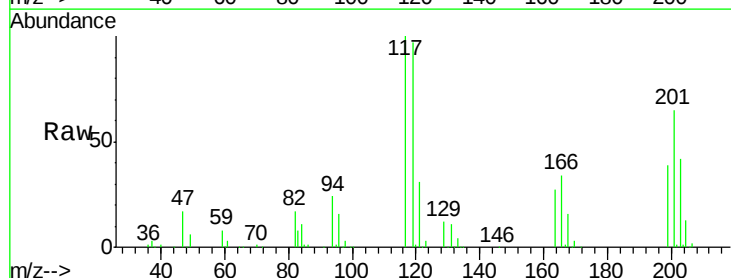
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

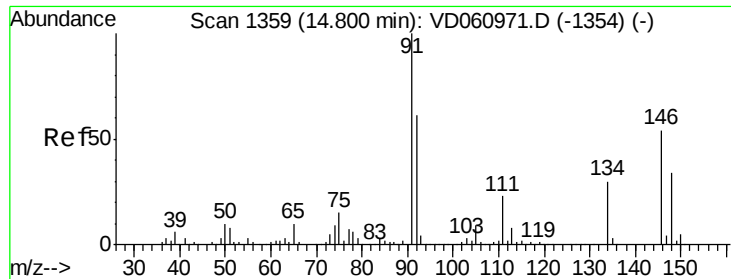
Tot Ion: 91 Resp: 1208935
Ion Ratio Lower Upper
91 100
92 60.6 30.6 91.8
134 28.4 11.0 33.0



#90
Hexachloroethane
Concen: 49.278 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion: 117 Resp: 375594
Ion Ratio Lower Upper
117 100
201 64.8 36.2 108.6

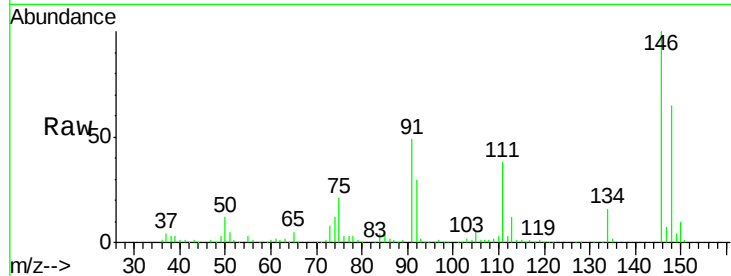




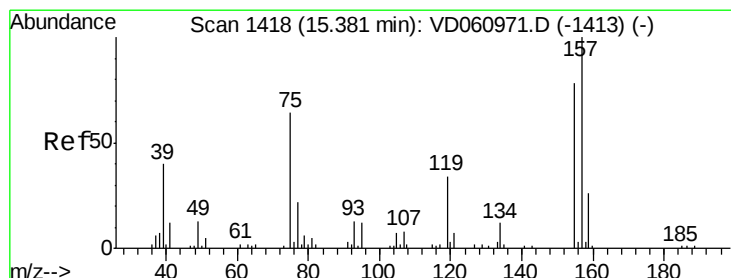
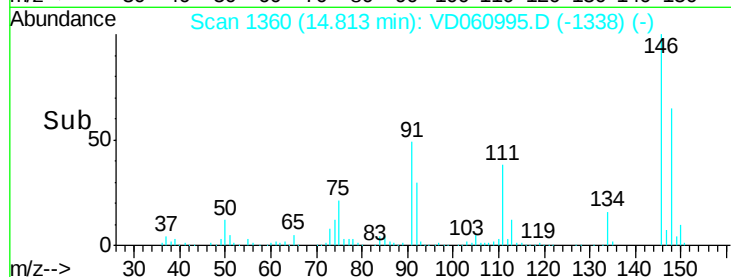
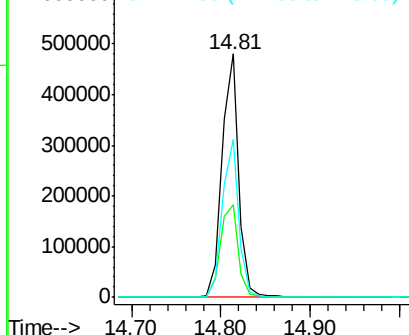
#91
 1,2-Dichlorobenzene
 Concen: 50.864 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 629290
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.5 64.5
 148 64.7 30.9 92.8

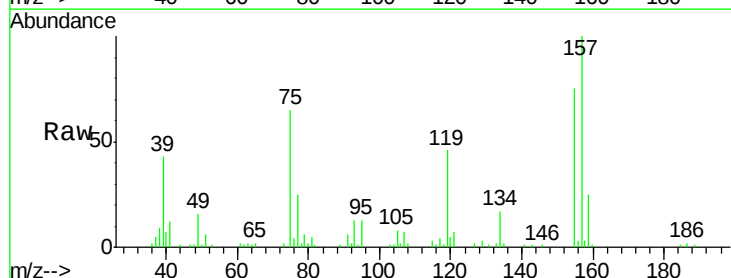


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

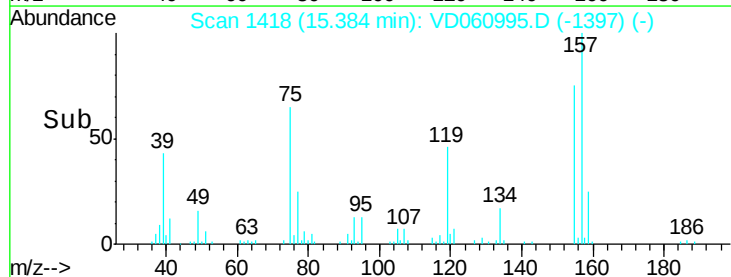
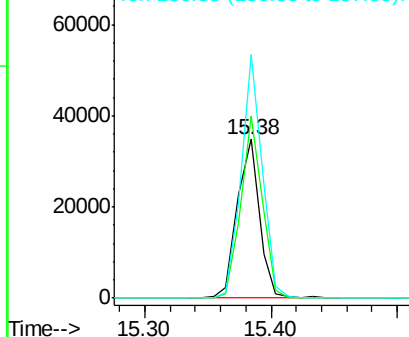


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.052 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion: 75 Resp: 42141
 Ion Ratio Lower Upper
 75 100
 155 114.7 61.2 183.5
 157 153.5 78.3 234.8



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

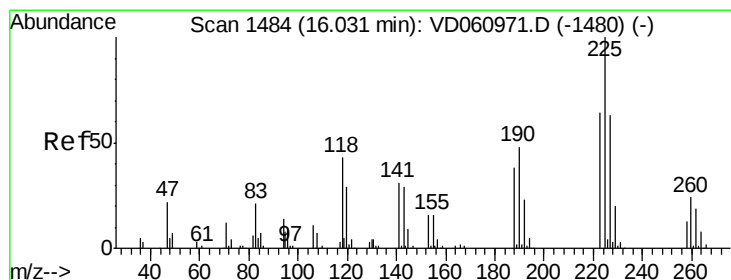
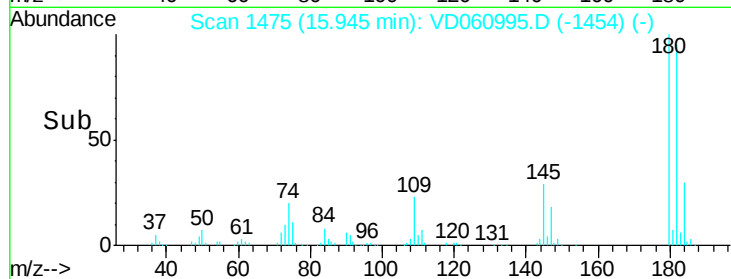
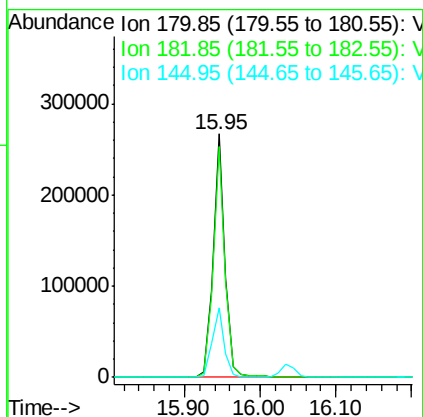
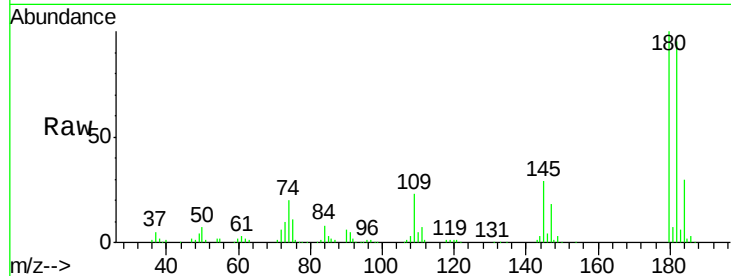




#93
 1,2,4-Trichlorobenzene
 Concen: 51.447 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

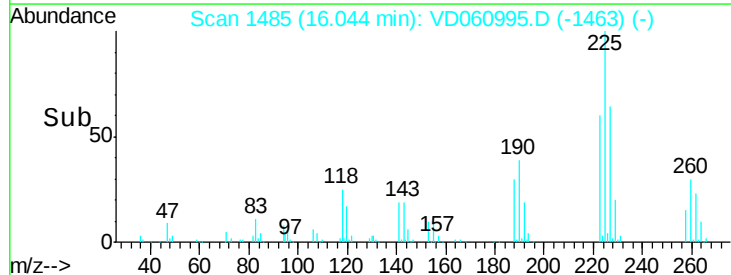
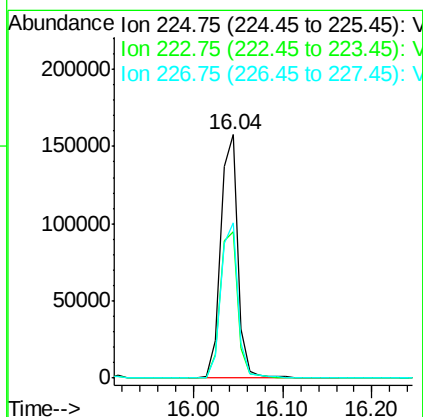
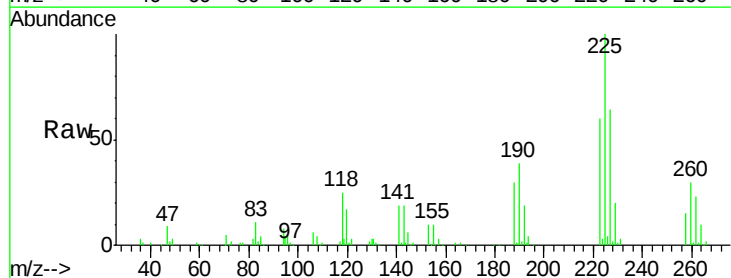
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

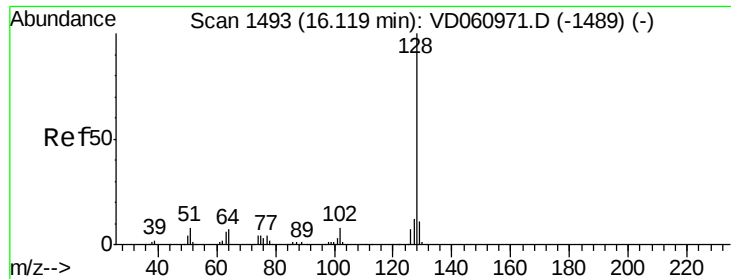
Tot Ion:180 Resp: 295275
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 49.400 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Tgt Ion:225 Resp: 214453
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.8 95.3
 227 63.8 31.4 94.0

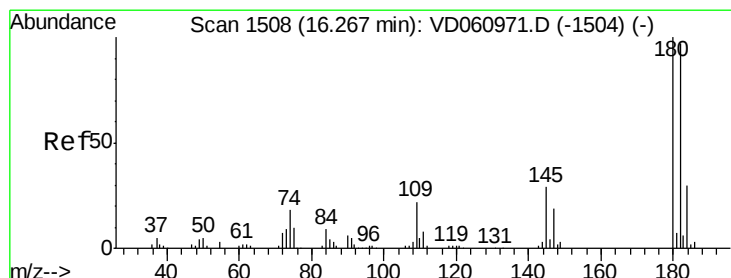
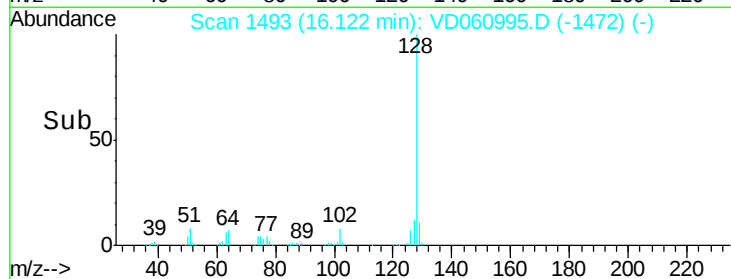
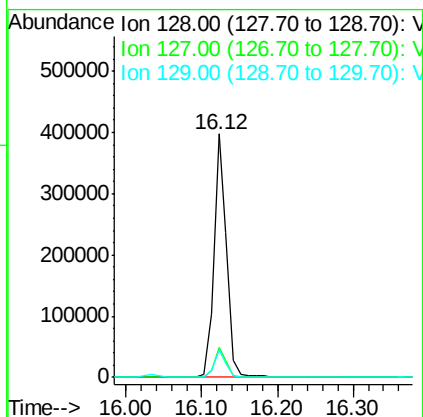
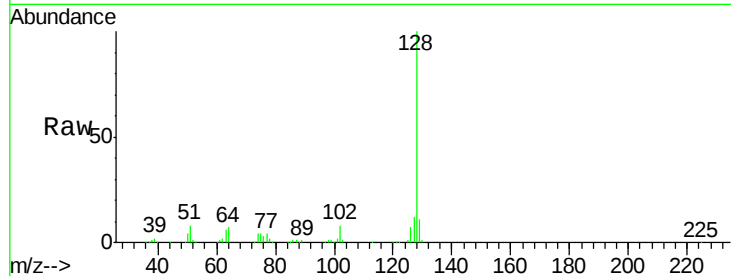




#95
Naphthalene
Concen: 53.431 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 466007
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 45.901 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Tgt Ion:180 Resp: 130115
Ion Ratio Lower Upper
180 100
182 98.2 48.6 145.8
145 33.6 14.3 42.9

