

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060995.D
 Acq On : 8 Mar 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 08 22:08:13 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

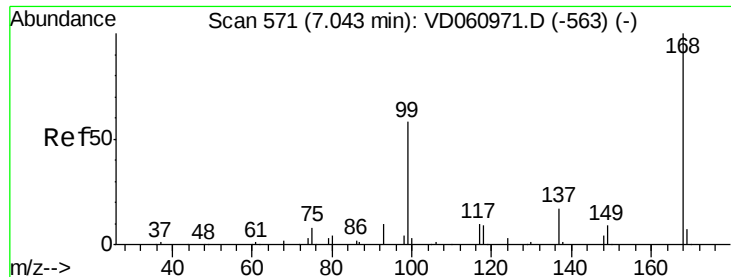
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	295275	51.447	ug/l	100
94) Hexachlorobutadiene	16.04	225	214453	49.400	ug/l	97
95) Naphthalene	16.12	128	466007	53.431	ug/l	99
96) 1,2,3-Trichlorobenzene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

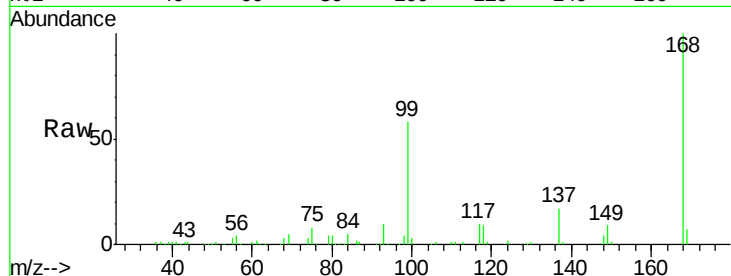
VSTDCCC050EC

Tot Ion:168 Resp: 722278

Ion Ratio Lower Upper

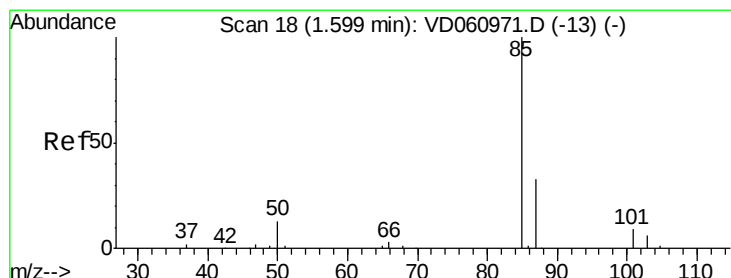
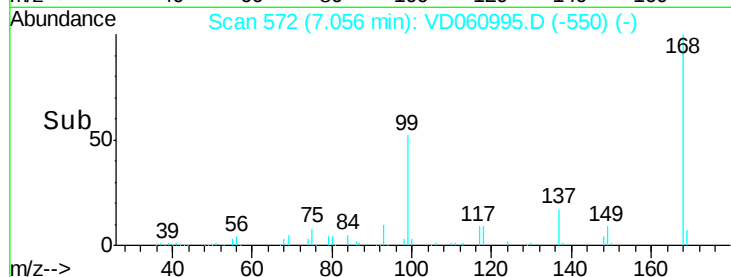
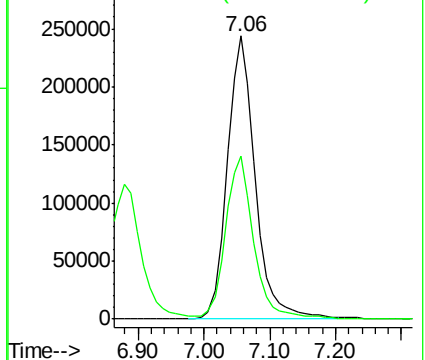
168 100

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

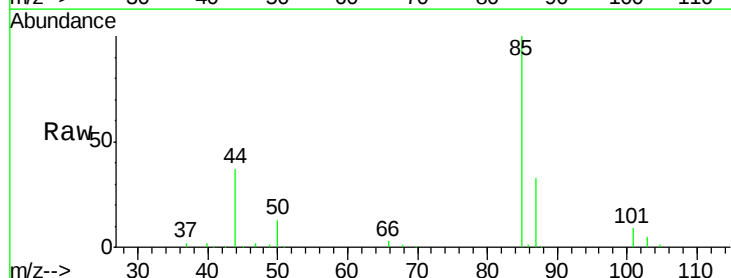
Acq: 8 Mar 2019 21:04

Tgt Ion: 85 Resp: 341614

Ion Ratio Lower Upper

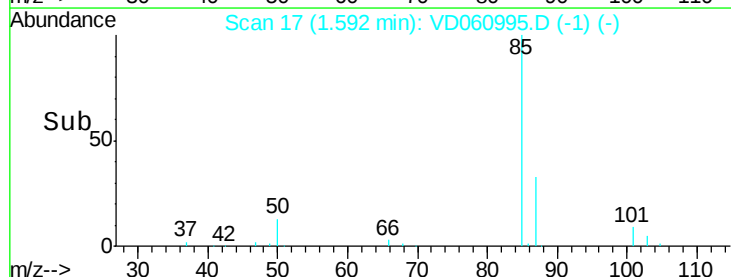
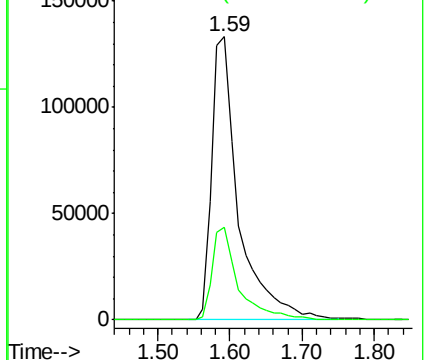
85 100

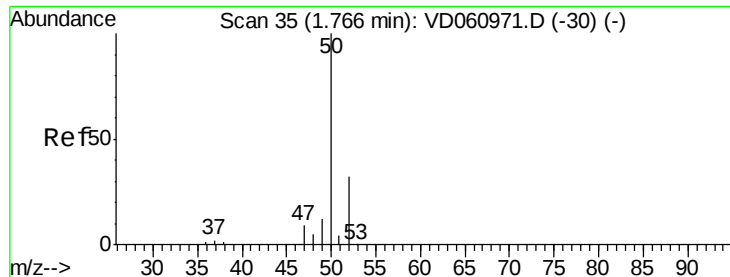
87 32.6 16.4 49.4



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 :

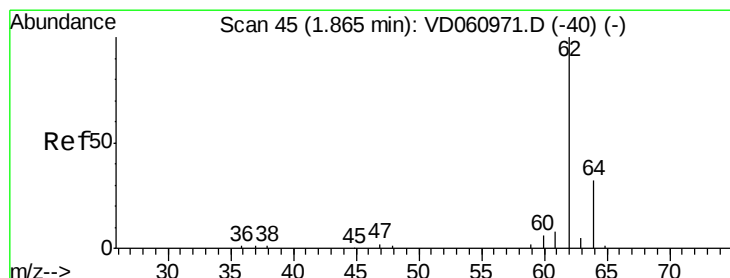
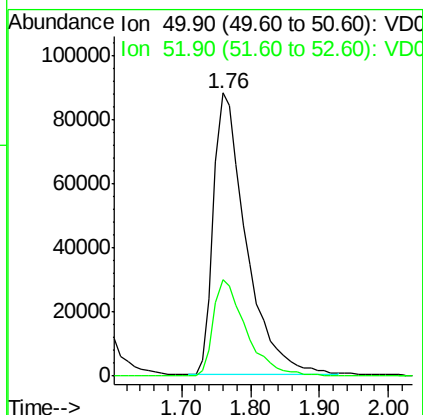
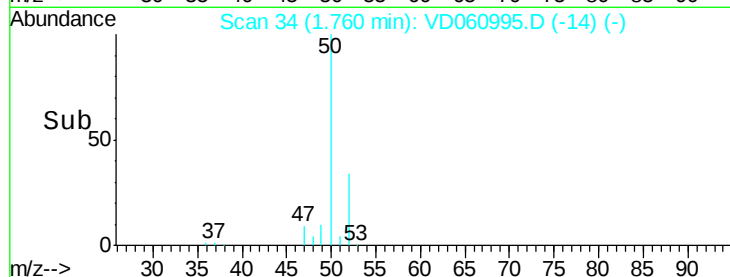
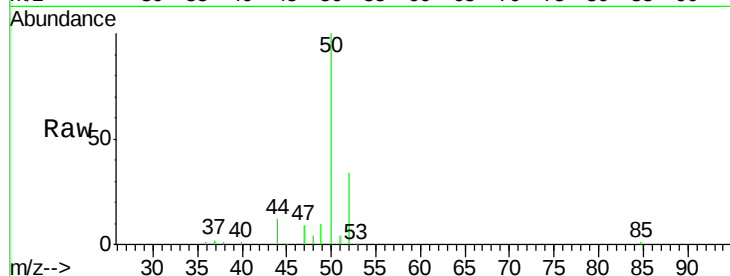
VSTDCCC050EC

Tot Ion: 50 Resp: 290730

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.8



#4

Vinyl Chloride

Concen: 47.485 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060995.D

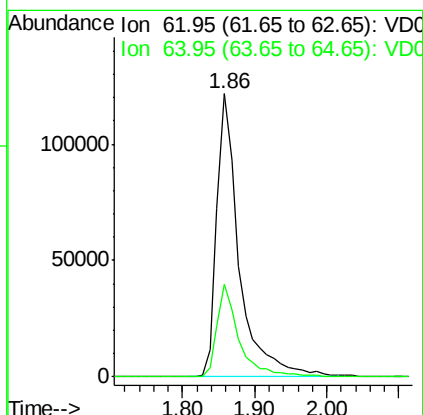
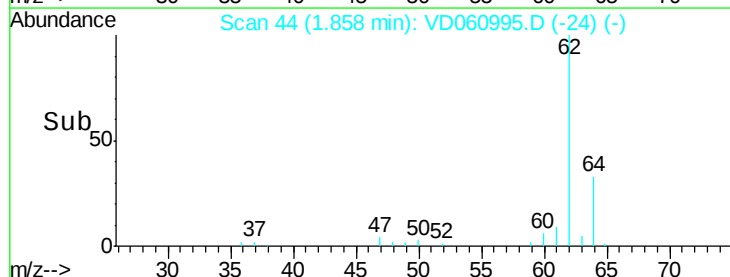
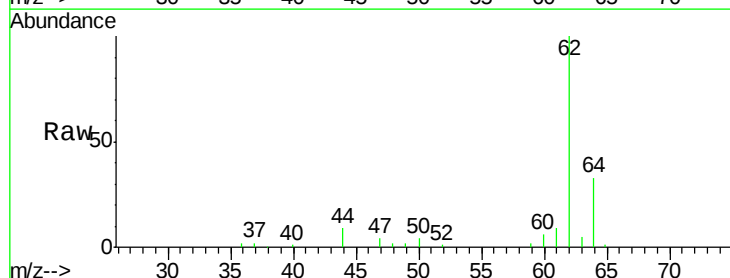
Acq: 8 Mar 2019 21:04

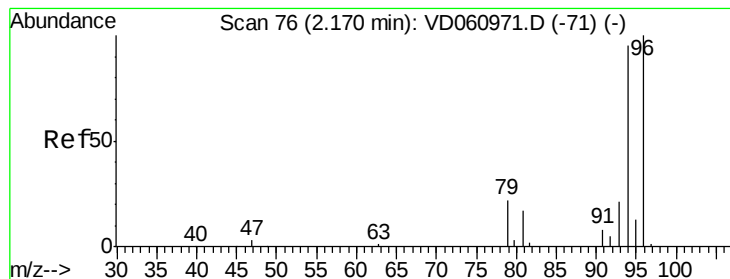
Tgt Ion: 62 Resp: 261508

Ion Ratio Lower Upper

62 100

64 32.9 25.2 37.8





#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

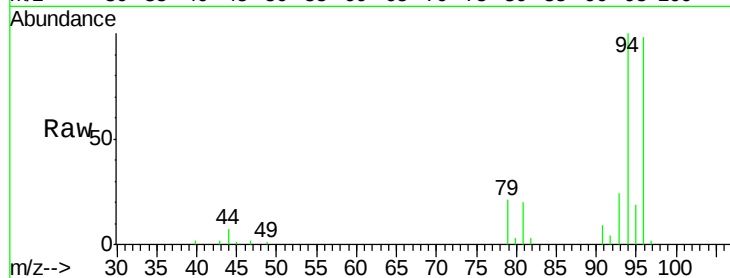
Tot Ion: 94 Resp: 57226

Ion Ratio Lower Upper

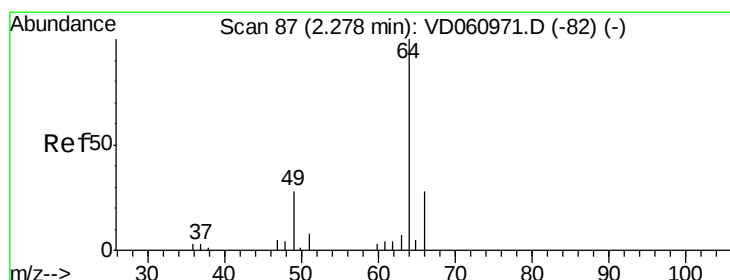
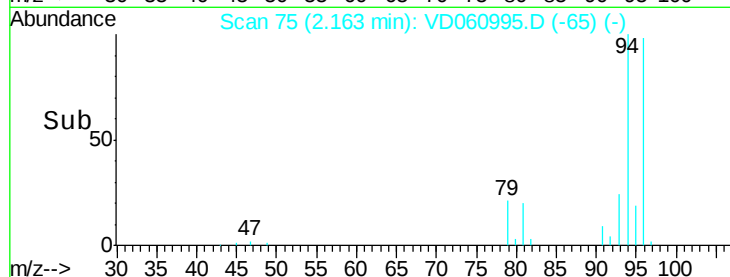
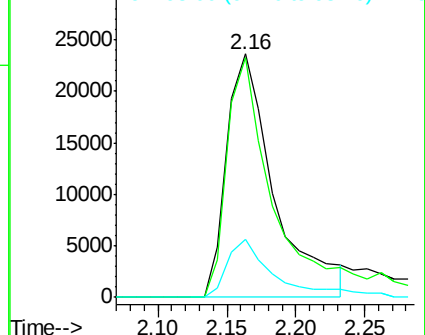
94 100

96 98.4 84.0 126.0

93 23.6 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 51.953 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060995.D

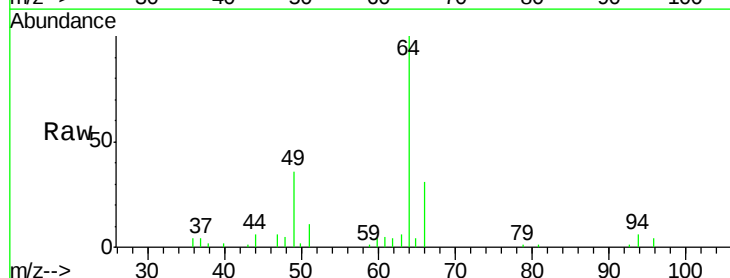
Acq: 8 Mar 2019 21:04

Tgt Ion: 64 Resp: 85640

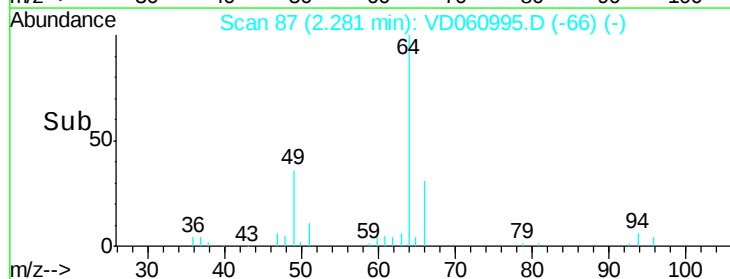
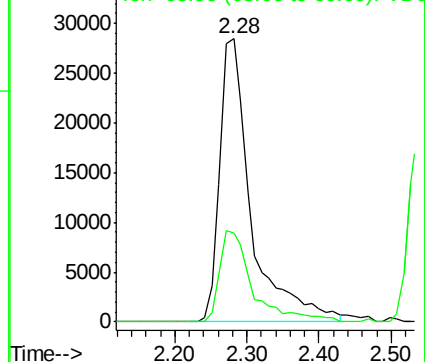
Ion Ratio Lower Upper

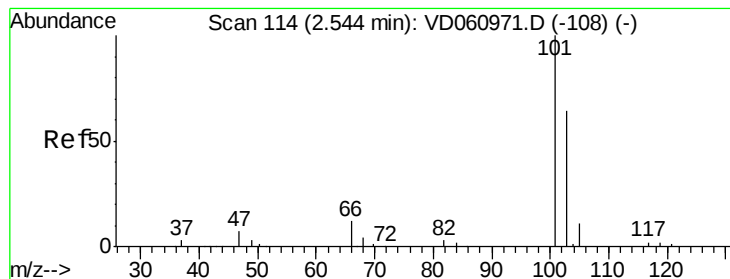
64 100

66 31.2 22.2 33.2



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



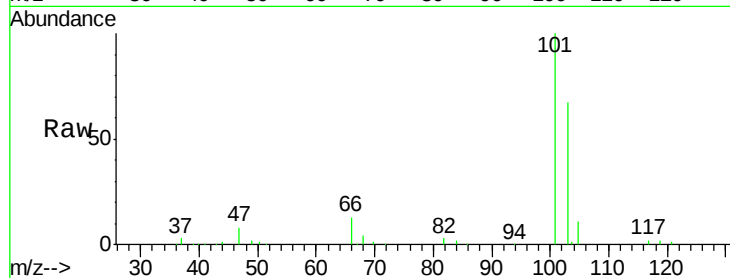


#7

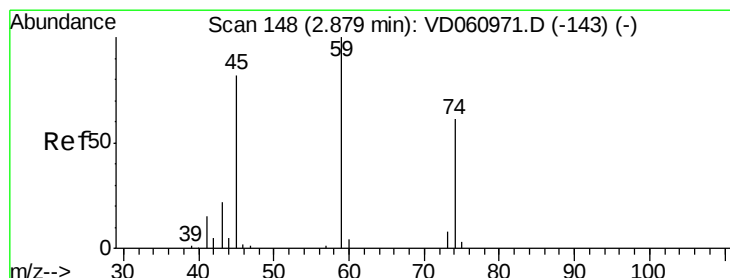
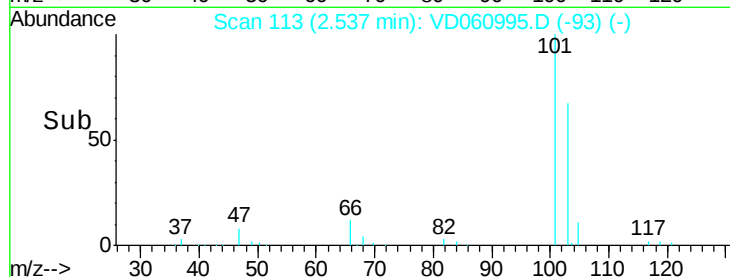
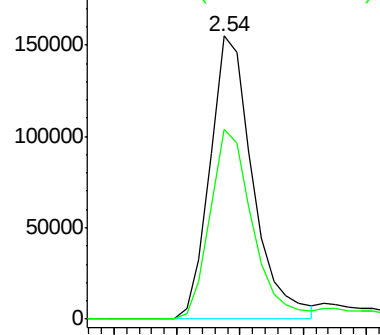
Trichlorofluoromethane
Concen: 45.959 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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



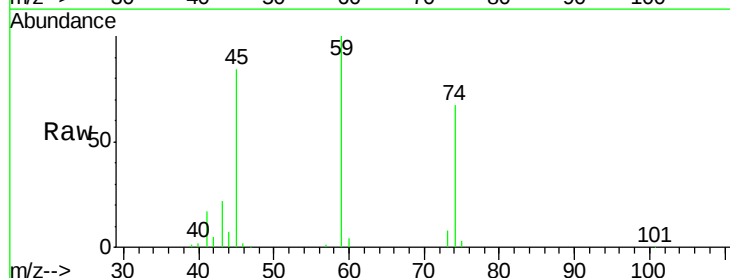
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



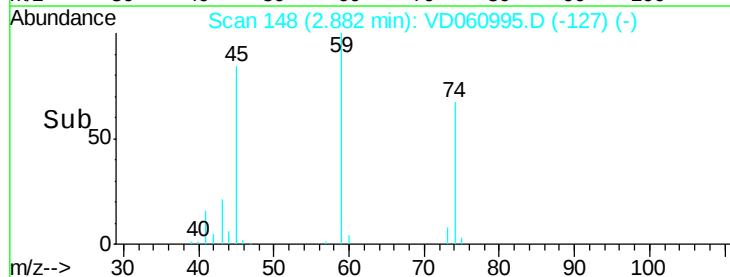
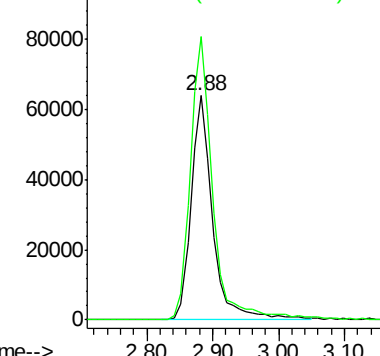
#8

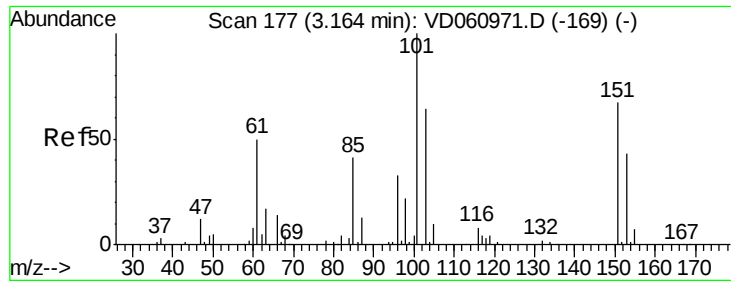
Diethyl Ether
Concen: 55.631 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

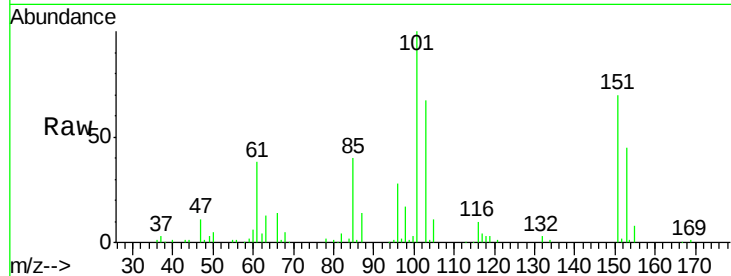
Tot Ion:101 Resp: 441817

Ion Ratio Lower Upper

101 100

85 39.8 32.5 48.7

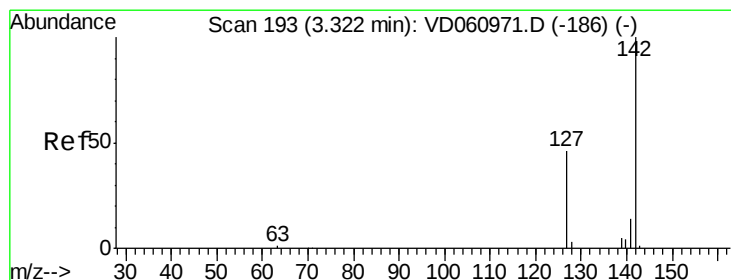
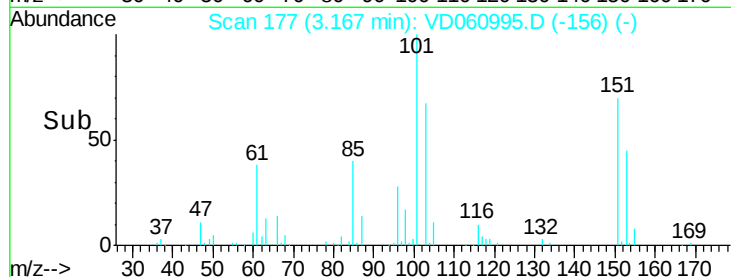
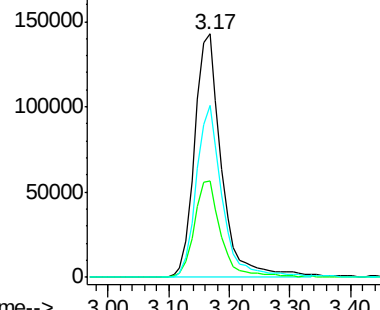
151 70.5 53.3 79.9



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

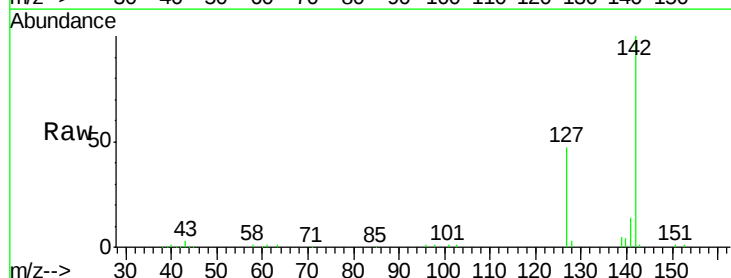
Tgt Ion:142 Resp: 604381

Ion Ratio Lower Upper

142 100

127 46.8 36.8 55.2

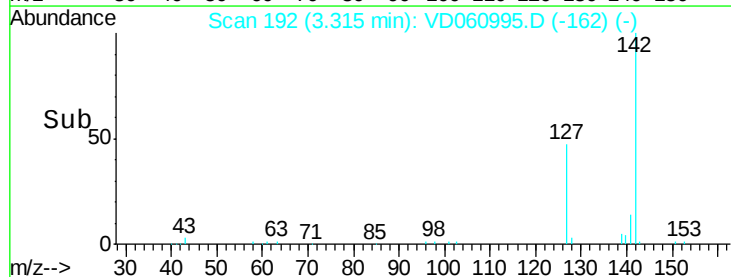
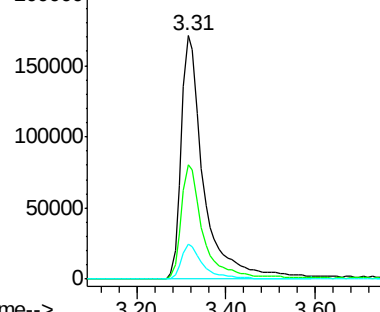
141 14.4 11.2 16.8

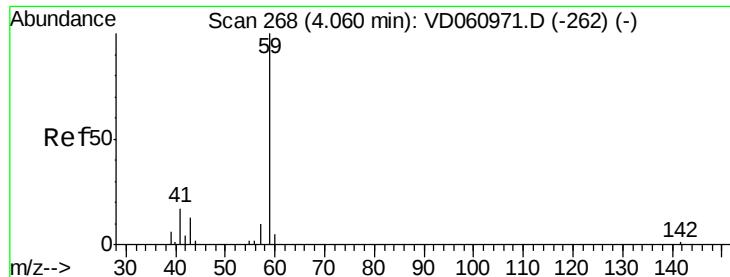


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



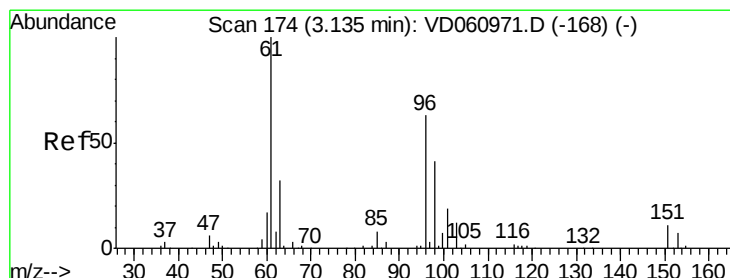
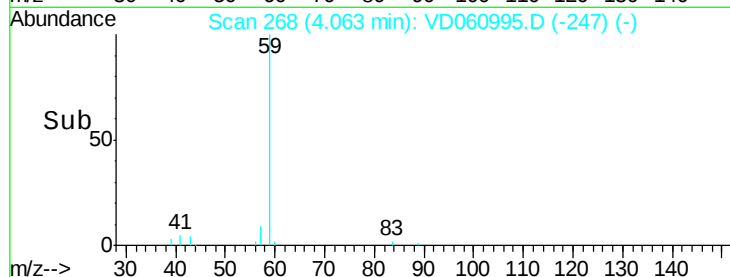
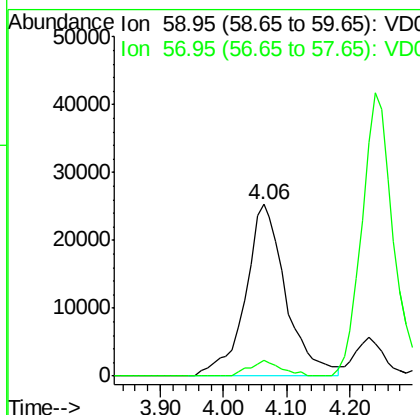
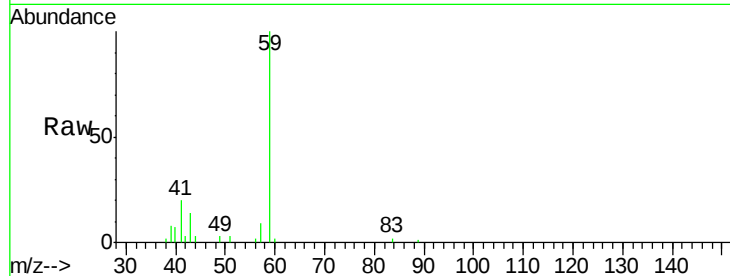


#11

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

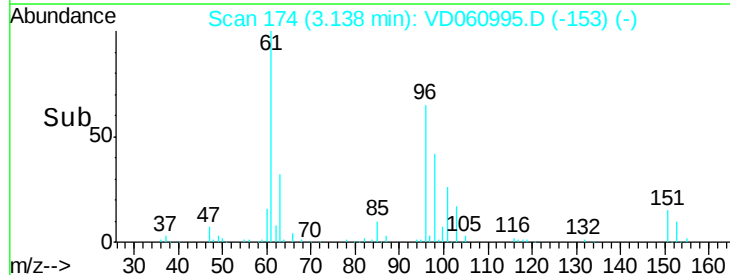
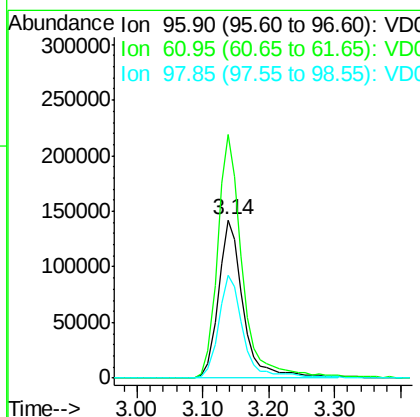
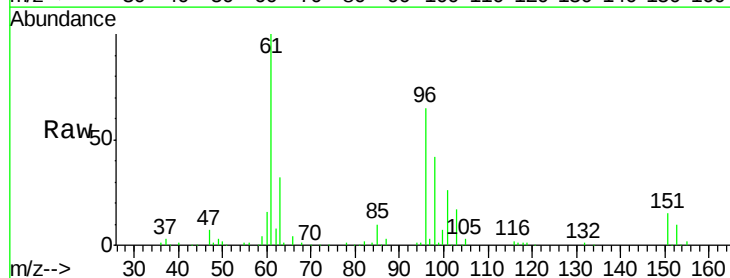
Tot Ion: 59 Resp: 112774
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.1 10.7

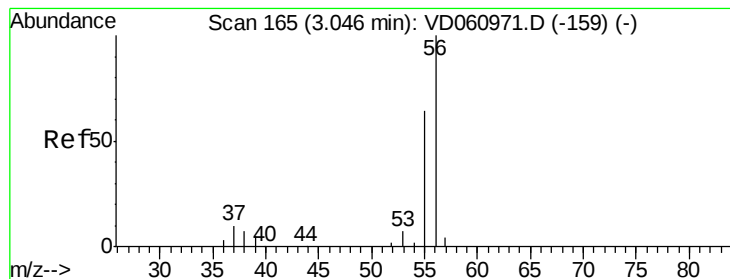


#12

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 :

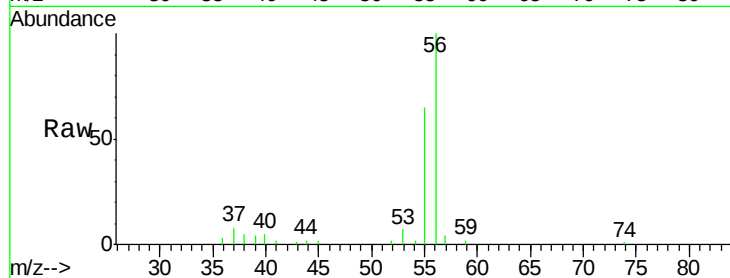
VSTDCCC050EC

Tot Ion: 56 Resp: 122469

Ion Ratio Lower Upper

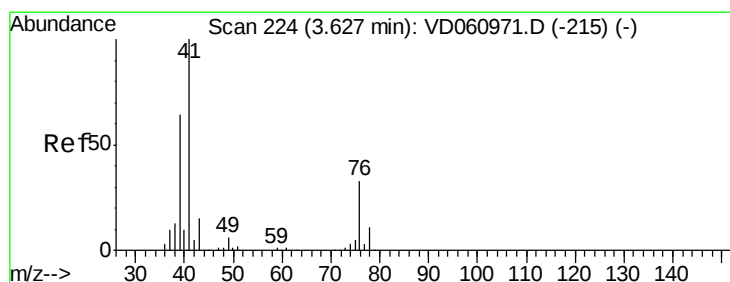
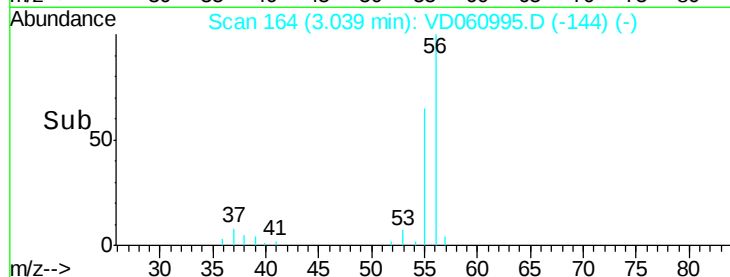
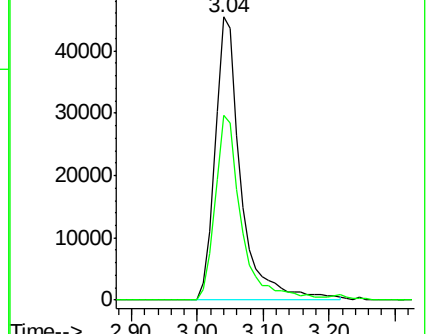
56 100

55 65.3 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#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

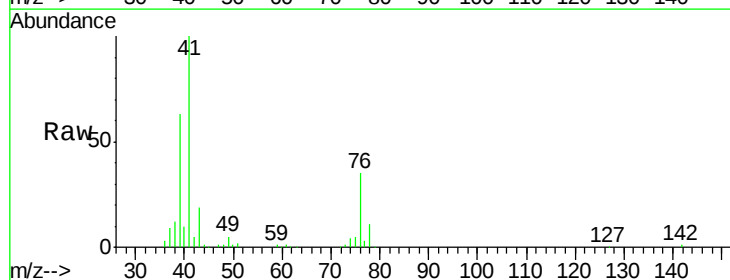
Tgt Ion: 41 Resp: 625891

Ion Ratio Lower Upper

41 100

39 63.3 51.1 76.7

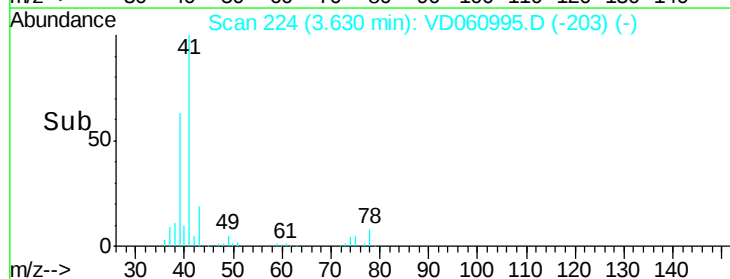
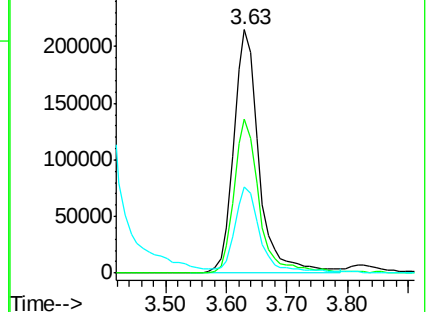
76 35.5 29.1 43.7

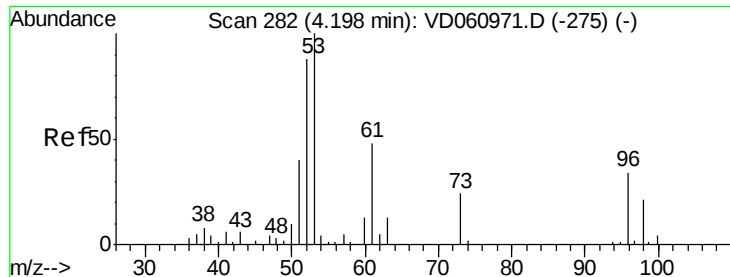


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 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

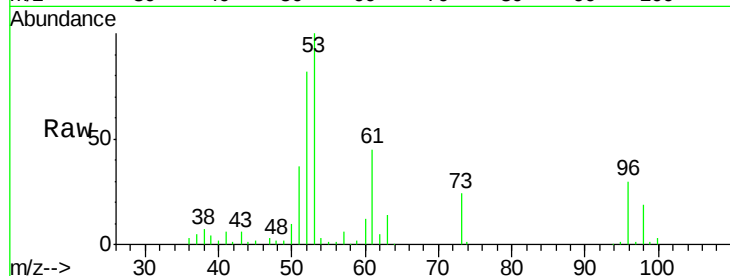
Tot Ion: 53 Resp: 384474

Ion Ratio Lower Upper

53 100

52 82.2 70.2 105.4

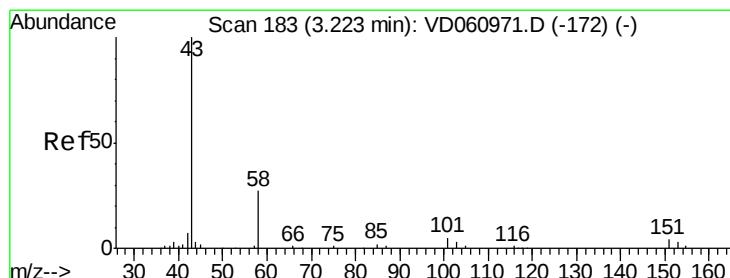
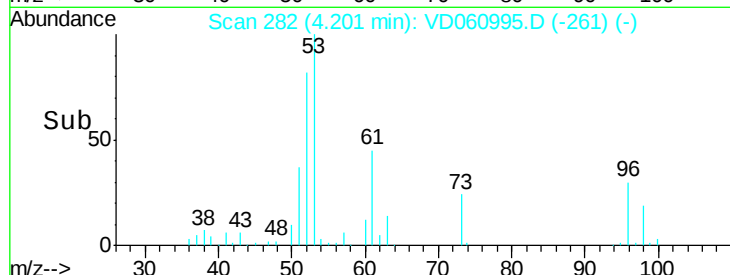
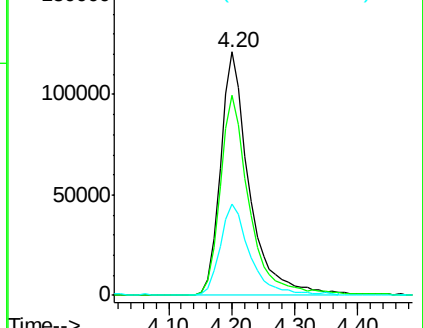
51 37.3 31.7 47.5



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

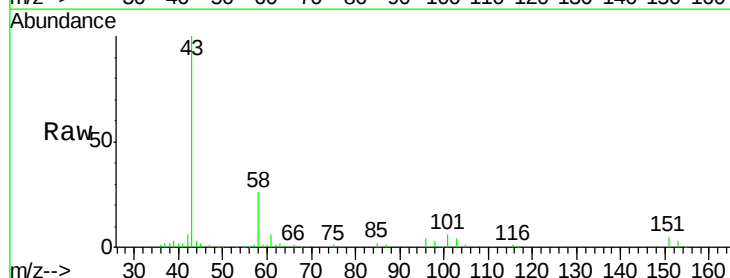
Acq: 8 Mar 2019 21:04

Tgt Ion: 43 Resp: 414210

Ion Ratio Lower Upper

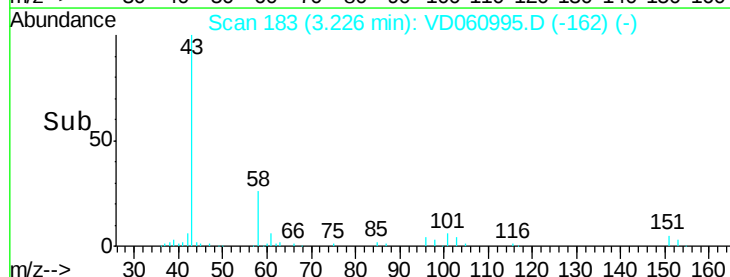
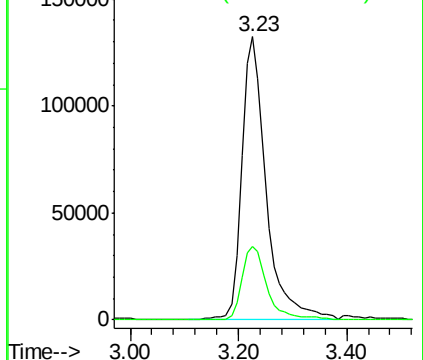
43 100

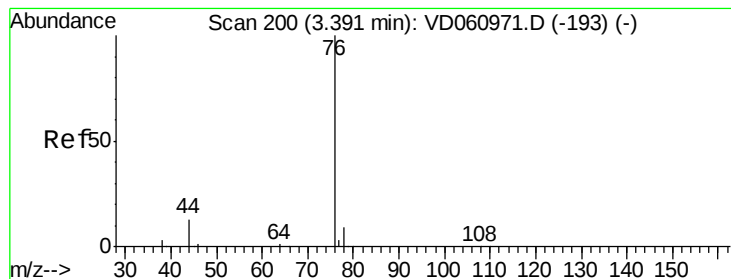
58 26.1 21.6 32.4



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 :

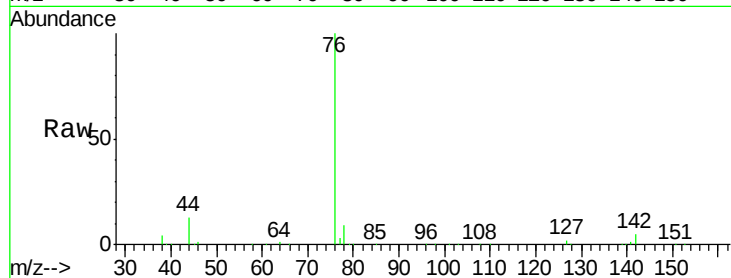
VSTDCCC050EC

Tot Ion: 76 Resp: 1190637

Ion Ratio Lower Upper

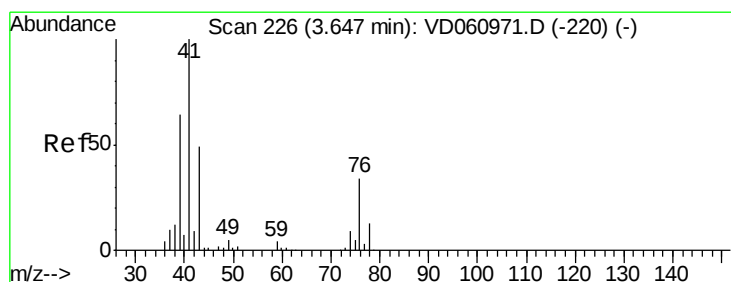
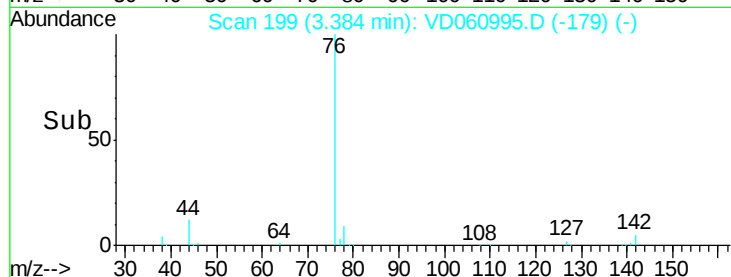
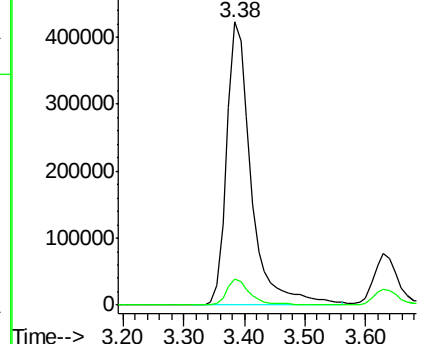
76 100

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

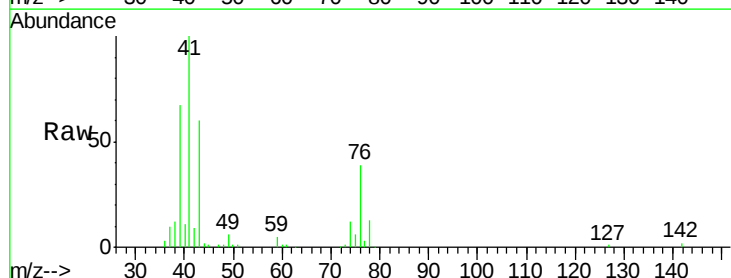
Acq: 8 Mar 2019 21:04

Tgt Ion: 43 Resp: 204654

Ion Ratio Lower Upper

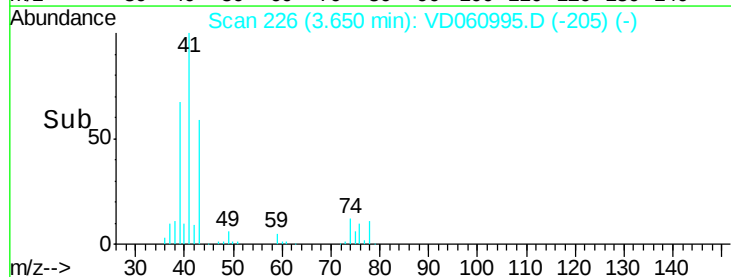
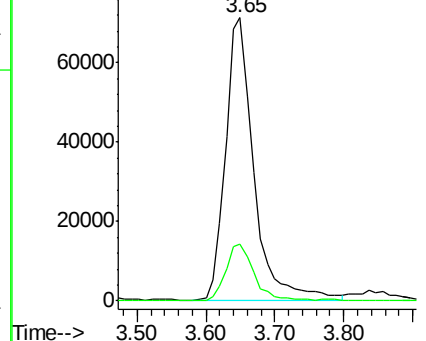
43 100

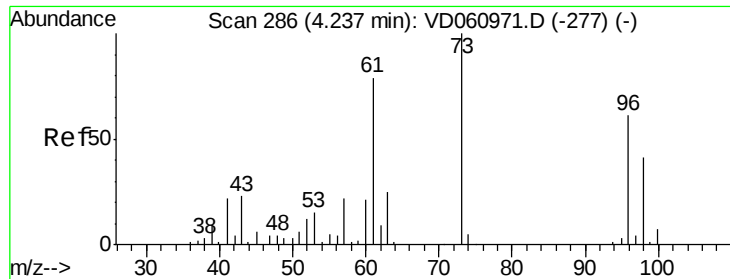
74 20.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

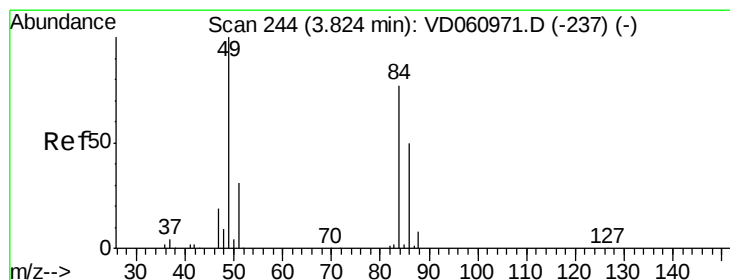
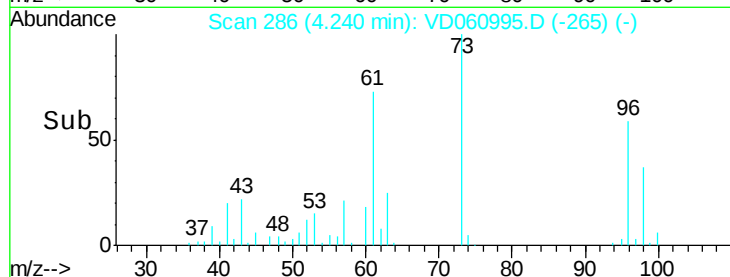
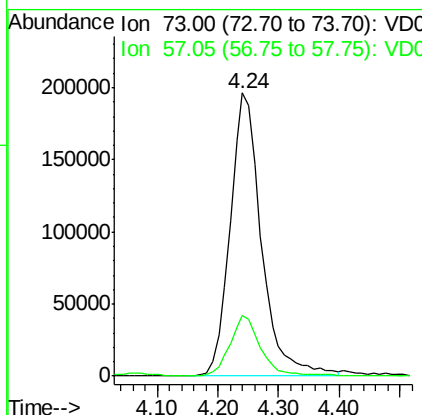
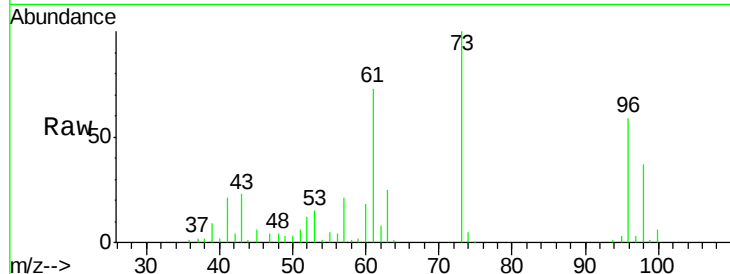




#19
Methyl tert-butyl Ether
Concen: 55.419 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

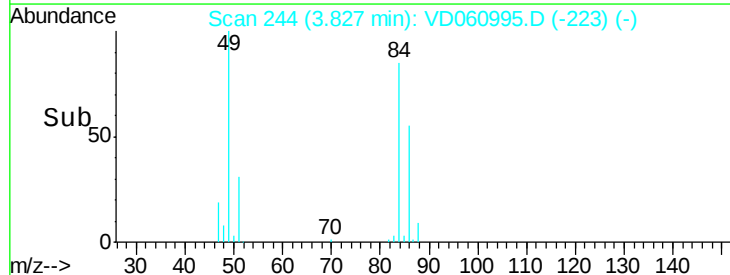
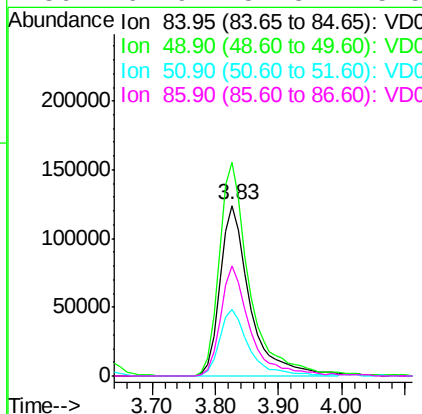
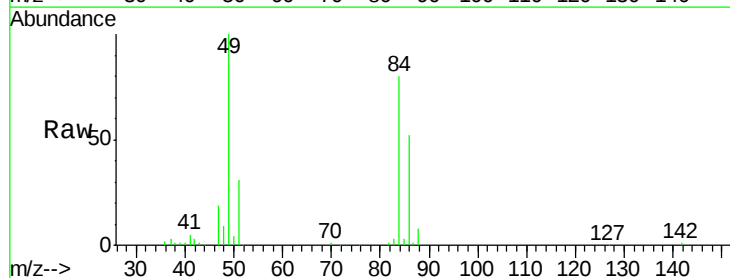
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

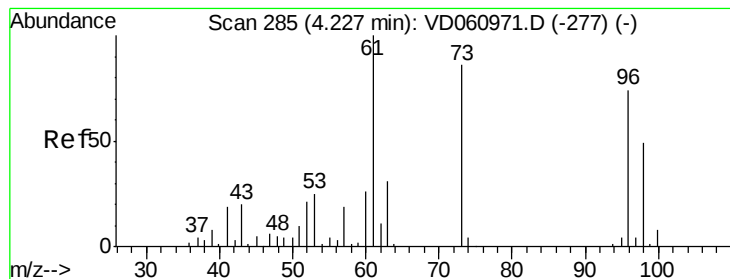
Tot Ion: 73 Resp: 704158
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#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

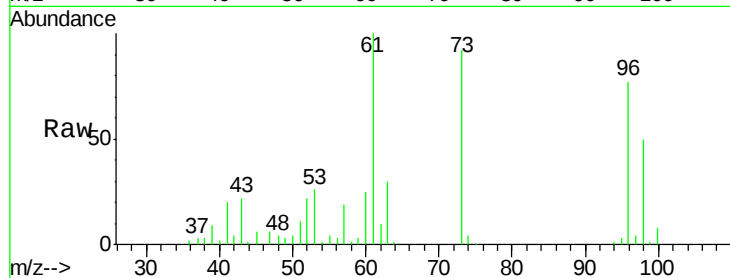
Tot Ion: 96 Resp: 409370

Ion Ratio Lower Upper

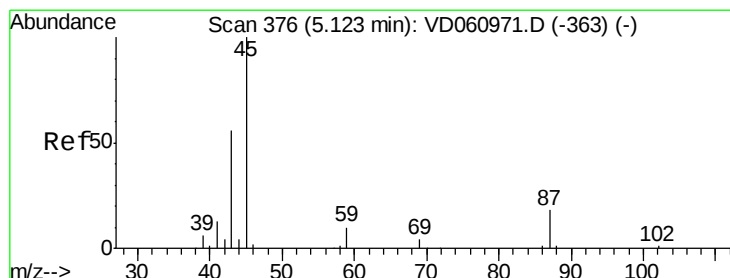
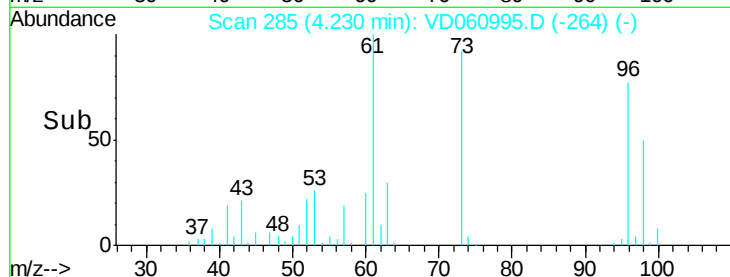
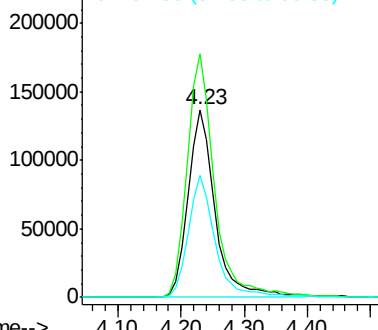
96 100

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

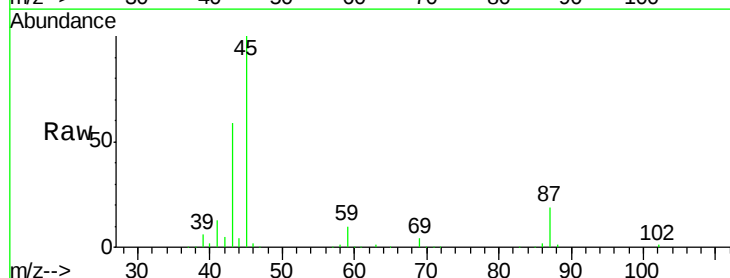
Ion Ratio Lower Upper

45 100

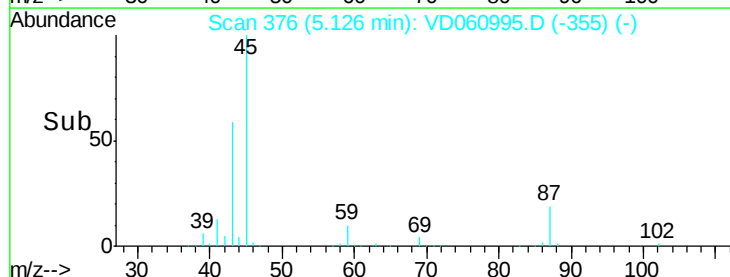
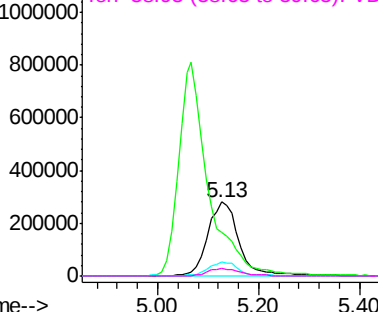
43 58.8 45.8 68.8

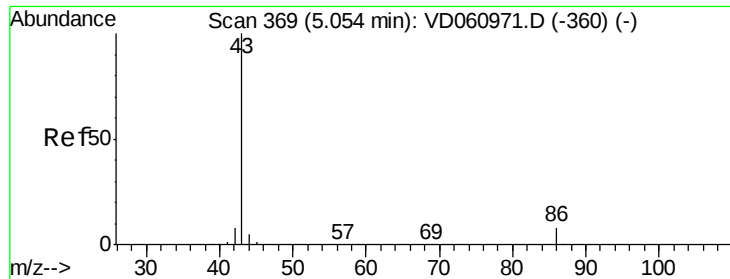
87 18.7 14.9 22.3

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 :

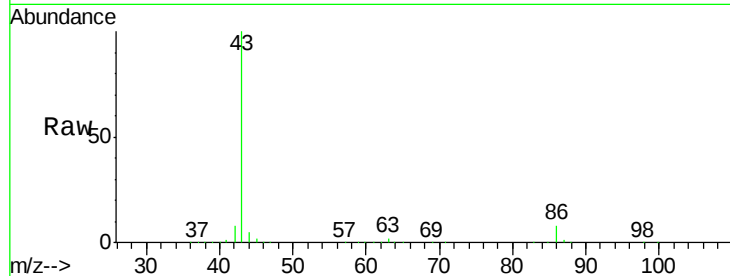
VSTDCCC050EC

Tot Ion: 43 Resp: 3299888

Ion Ratio Lower Upper

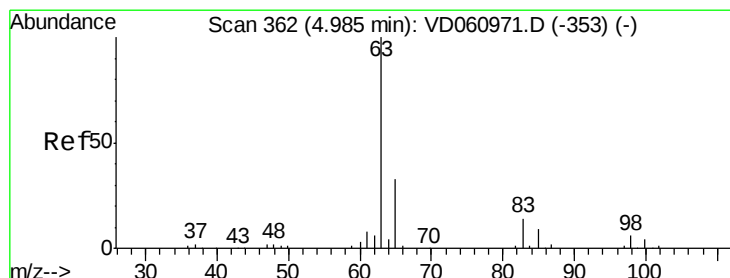
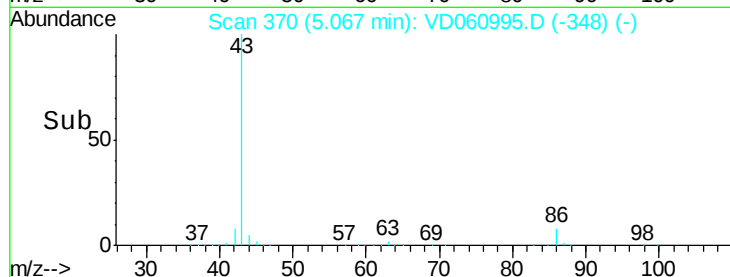
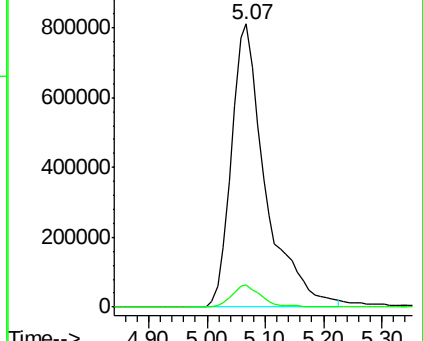
43 100

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

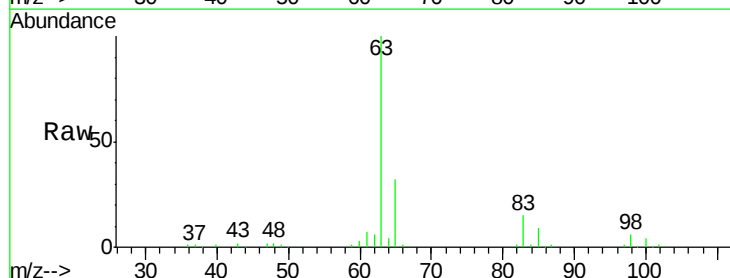
Tgt Ion: 63 Resp: 711024

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

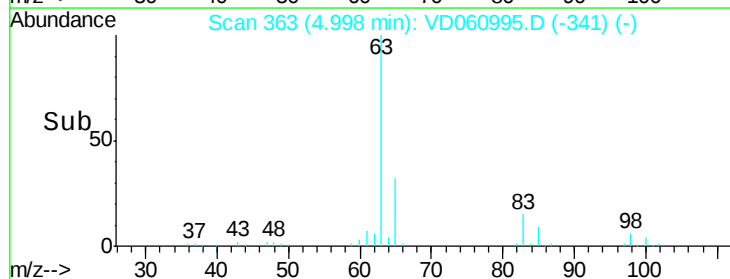
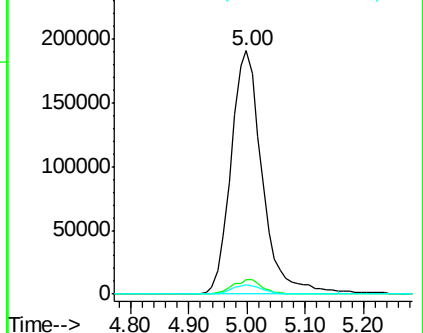
100 3.7 2.0 5.8

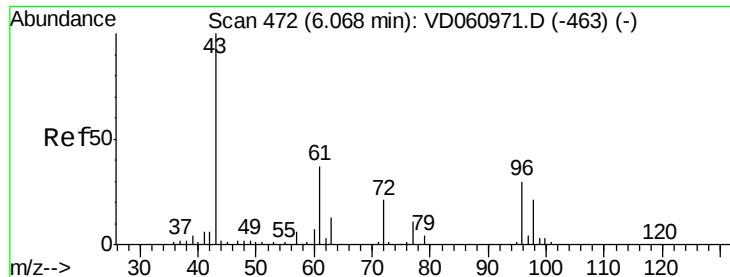


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

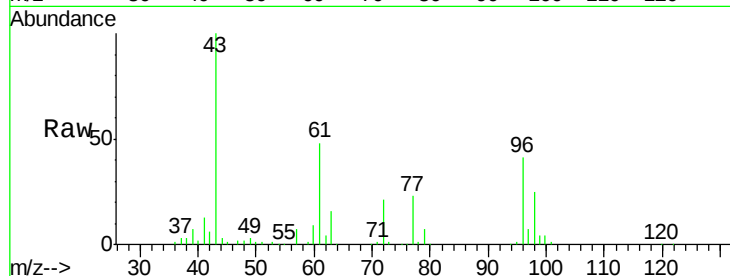
VSTDCCC050EC

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

6.07

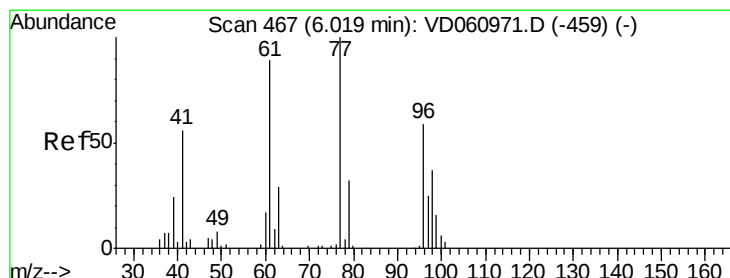
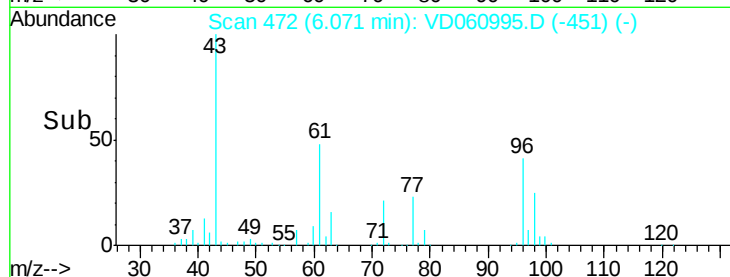
150000

100000

50000

0

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

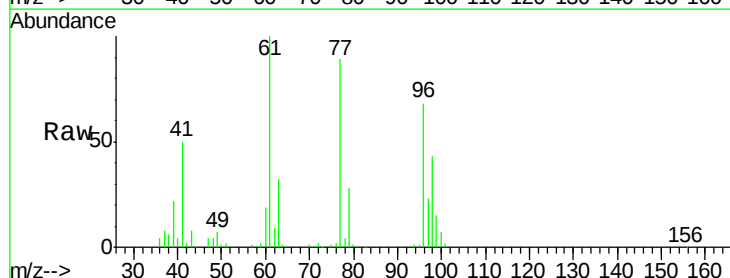
Acq: 8 Mar 2019 21:04

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

6.03

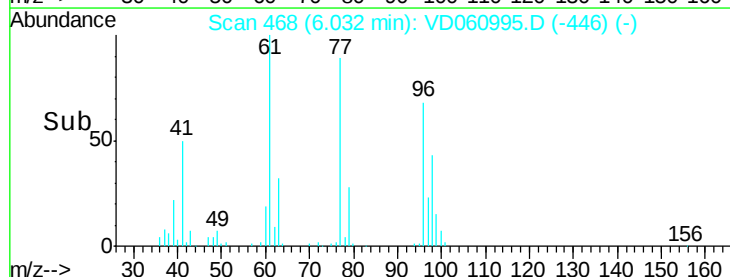
150000

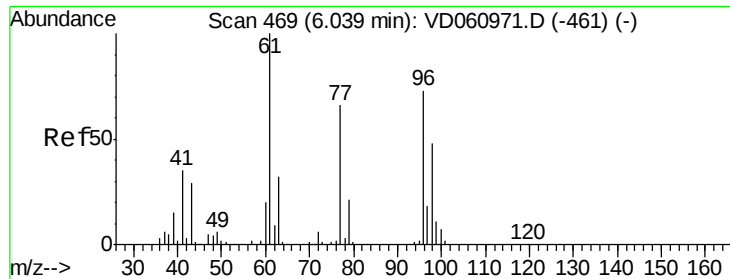
100000

50000

0

Time-->



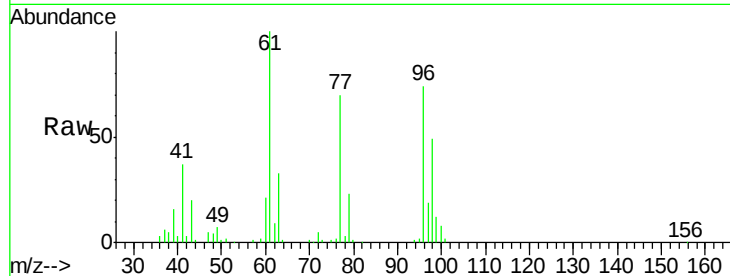


#27

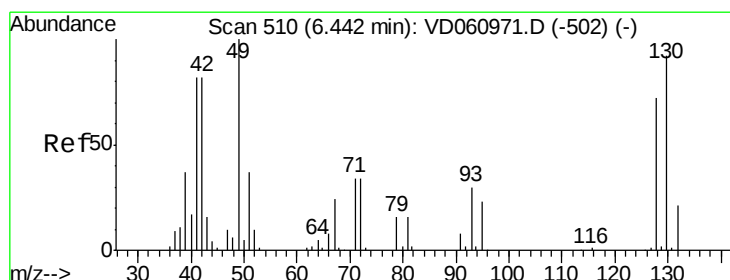
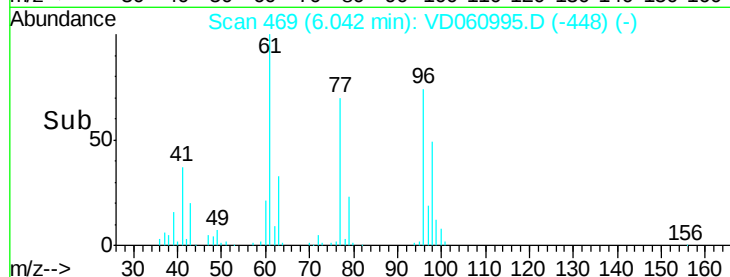
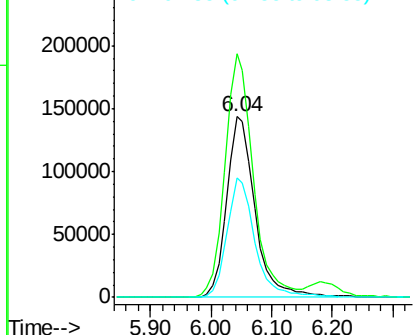
cis-1,2-Dichloroethene
Concen: 55.803 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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



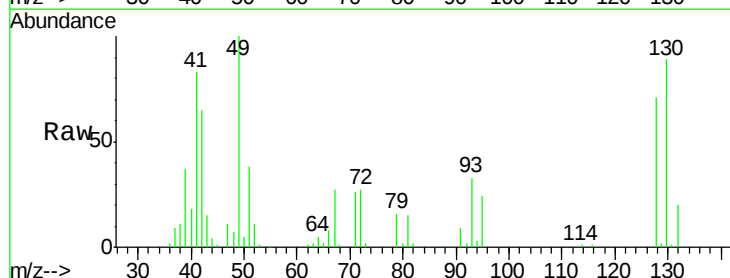
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



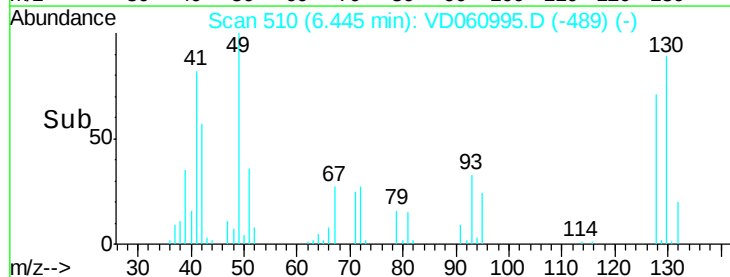
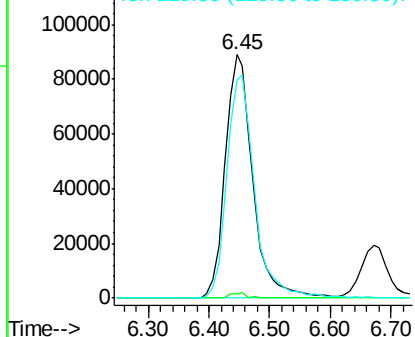
#28

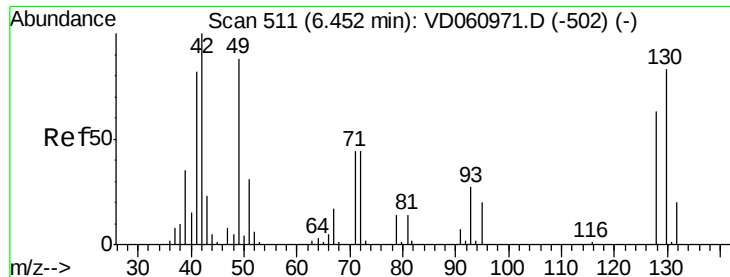
Bromochloromethane
Concen: 50.359 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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



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





#29

Tetrahydrofuran

Concen: 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

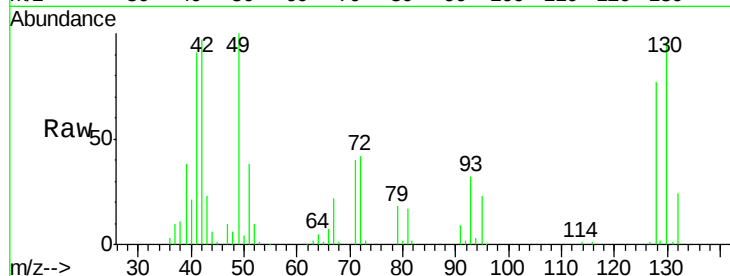
Tot Ion: 42 Resp: 271543

Ion Ratio Lower Upper

42 100

72 43.6 34.5 51.7

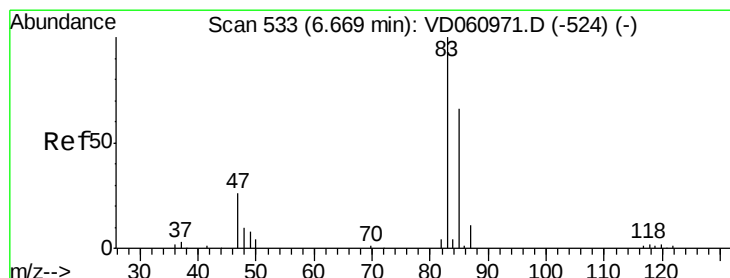
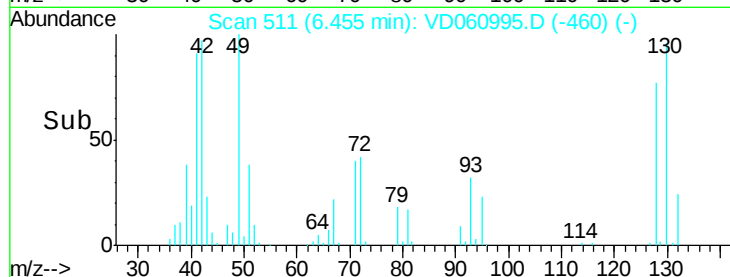
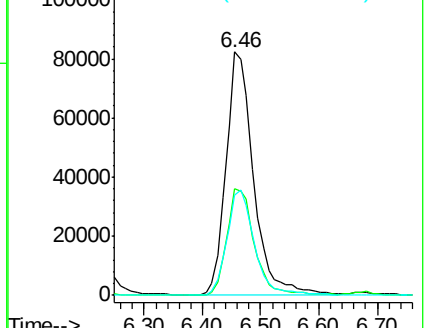
71 43.0 33.8 50.6



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

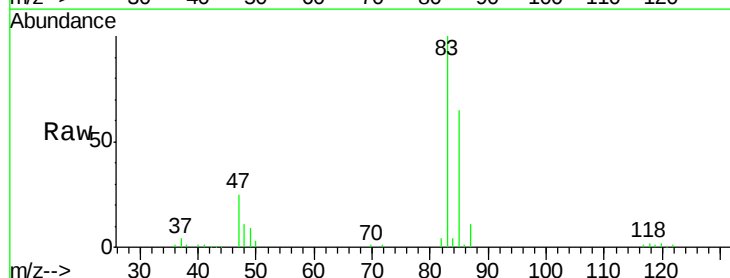
Acq: 8 Mar 2019 21:04

Tgt Ion: 83 Resp: 692464

Ion Ratio Lower Upper

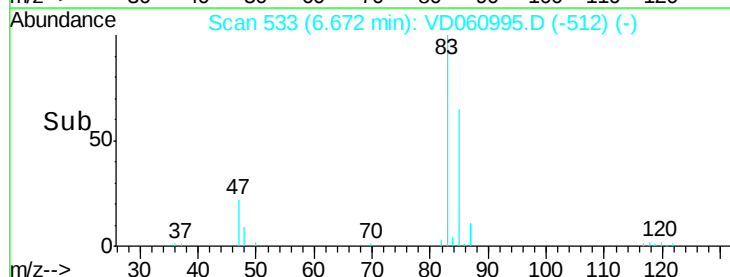
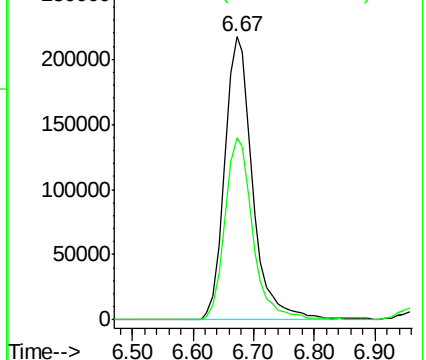
83 100

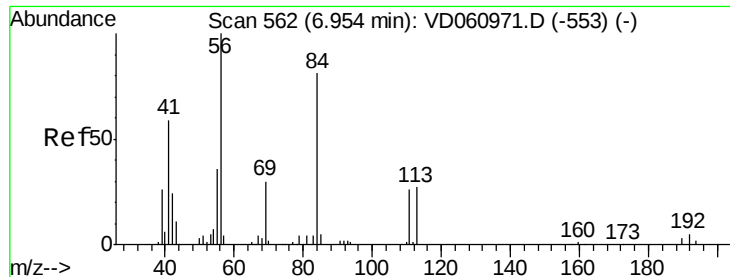
85 64.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

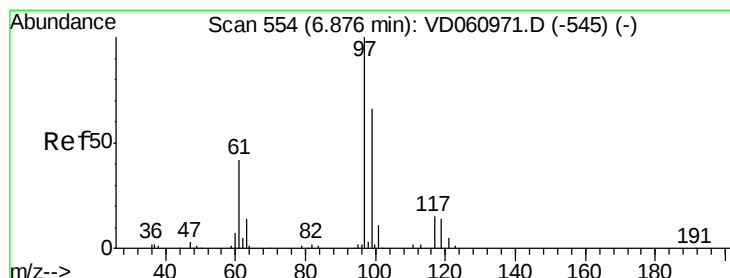
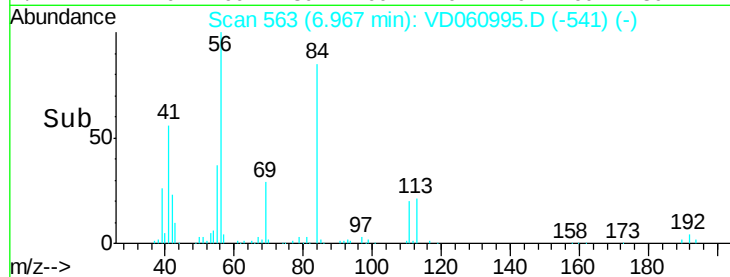
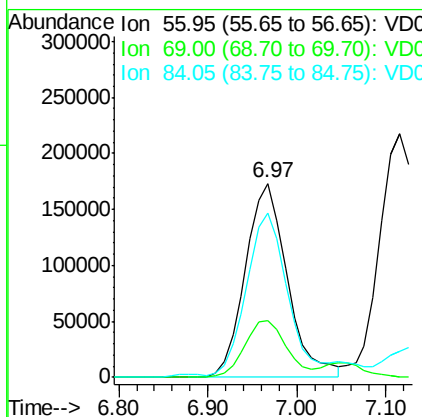
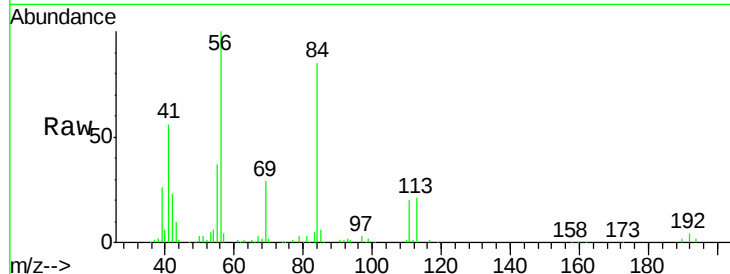




#31
Cvclohexane
Concen: 53.113 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

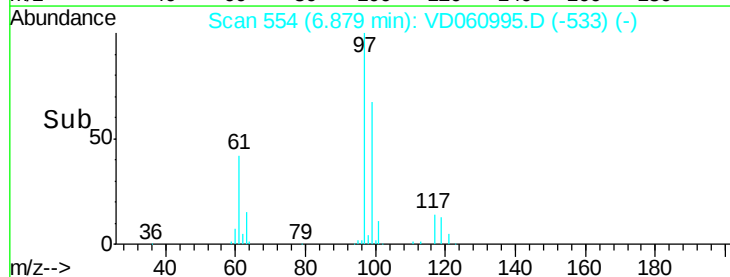
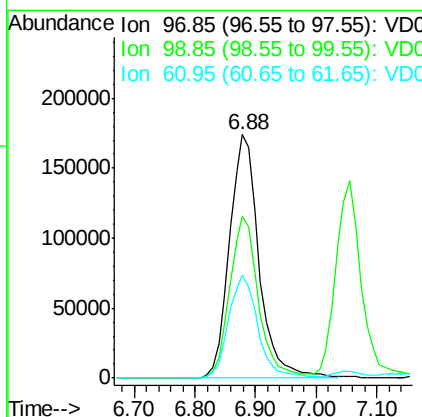
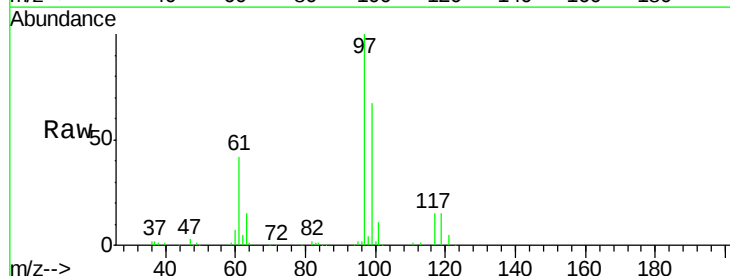
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

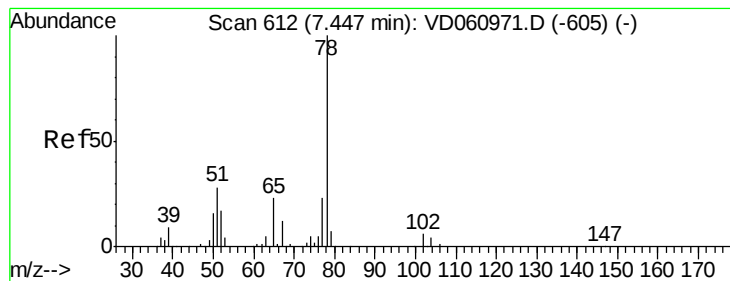
Tot Ion	56	Resp	565056
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	84.9	65.8	98.6



#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





#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 :

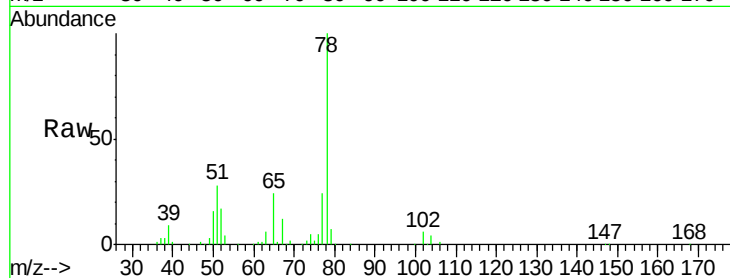
VSTDCCC050EC

Tot Ion: 65 Resp: 276737

Ion Ratio Lower Upper

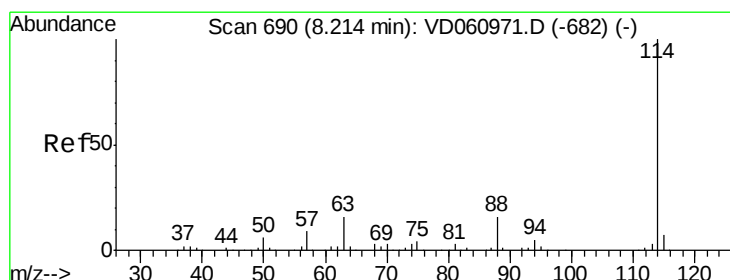
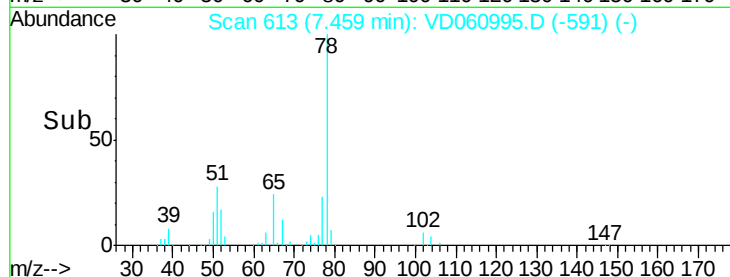
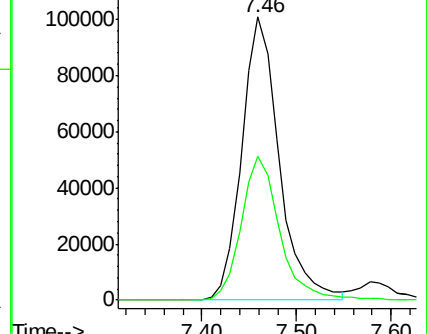
65 100

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

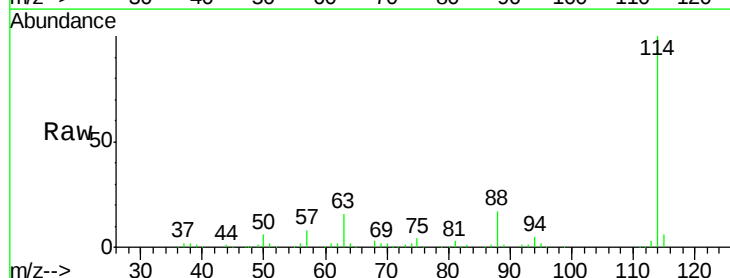
Tgt Ion: 114 Resp: 1241390

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

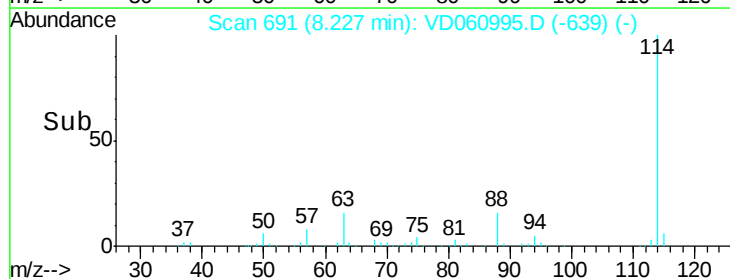
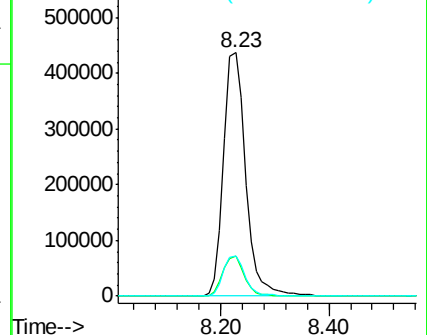
88 16.5 0.0 33.0

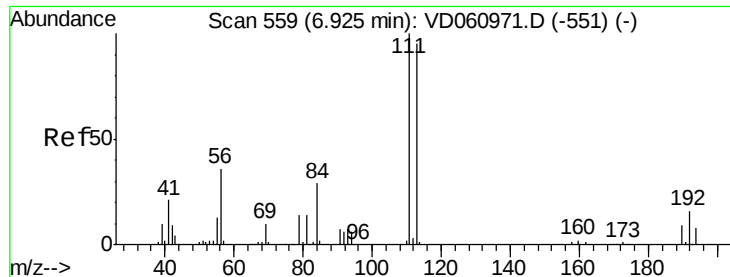


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

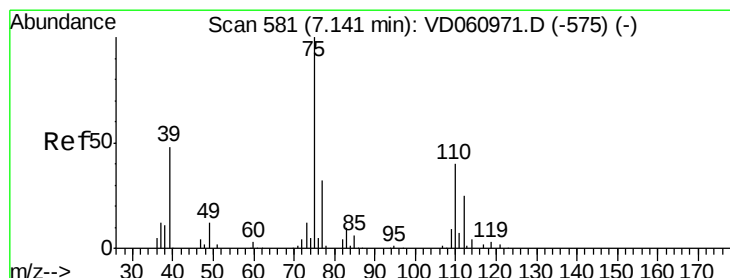
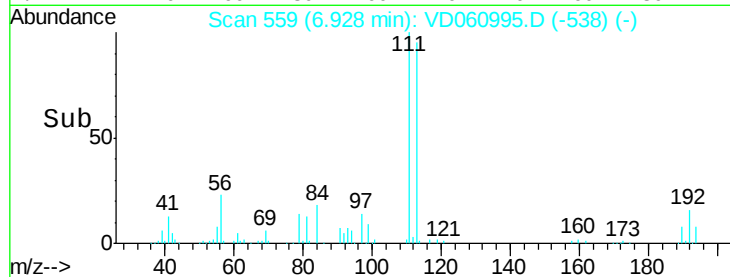
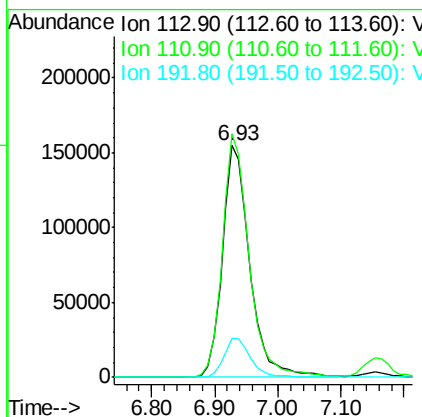
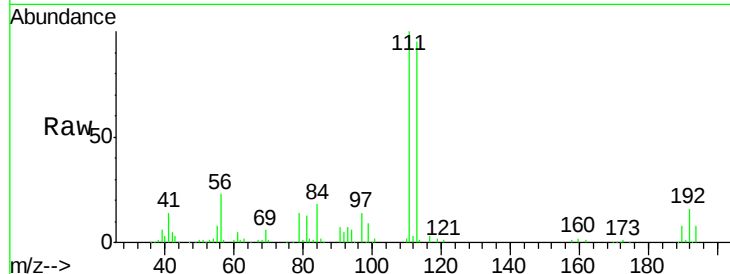




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

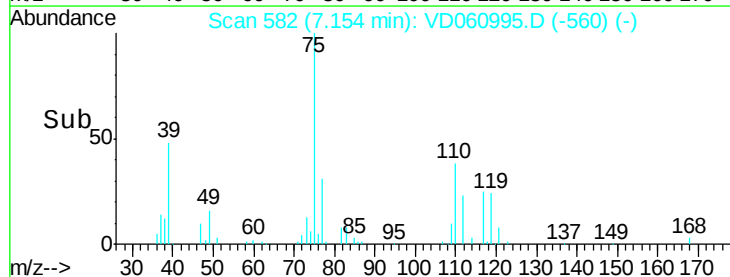
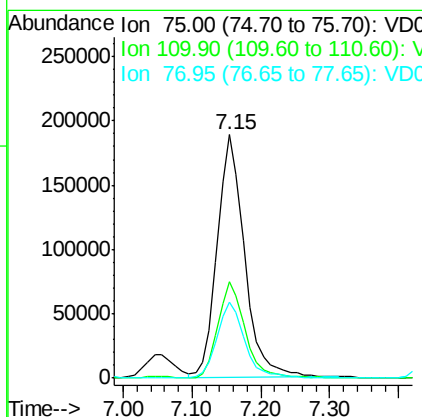
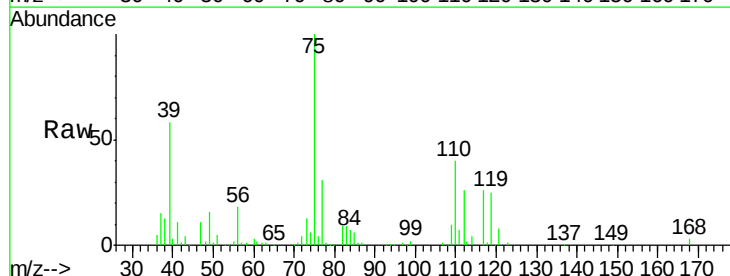
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

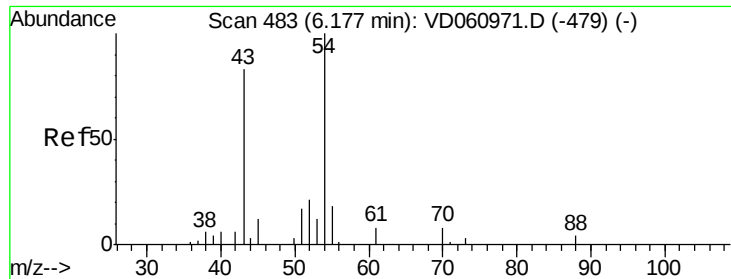
Tot Ion:113 Resp: 465527
 Ion Ratio Lower Upper
 113 100
 111 105.1 84.2 126.4
 192 16.5 13.1 19.7



#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

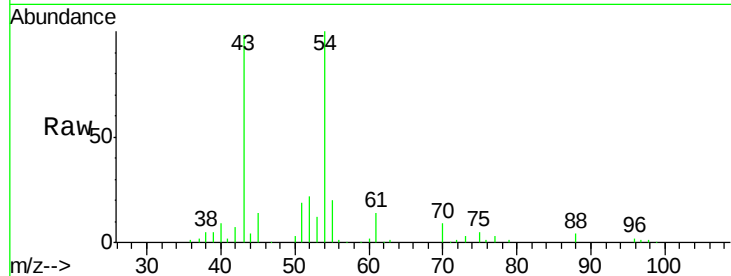




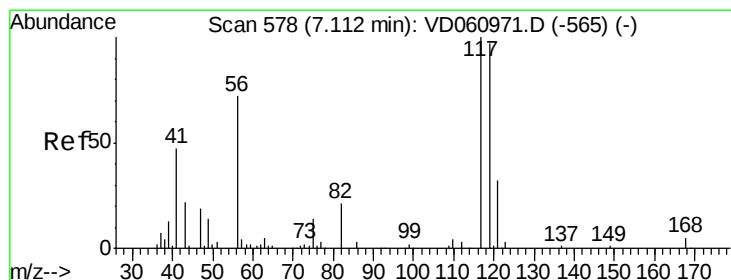
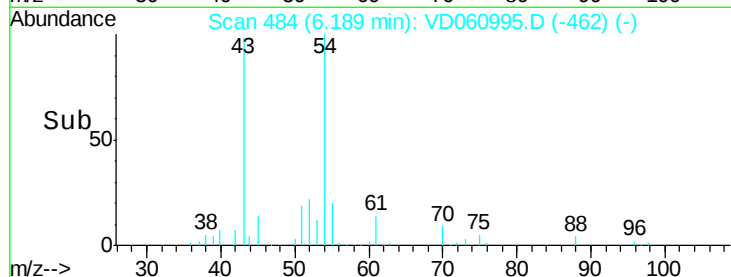
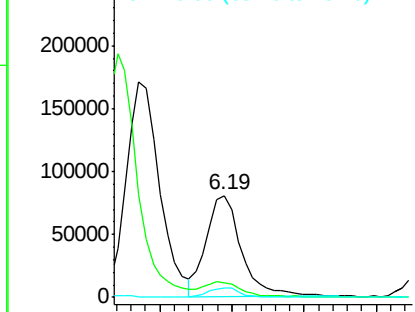
#37
Ethyl Acetate
Concen: 53.309 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

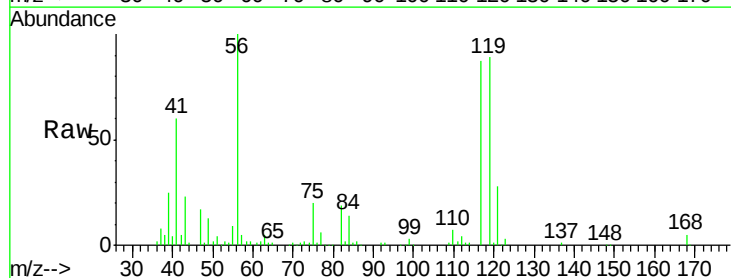


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

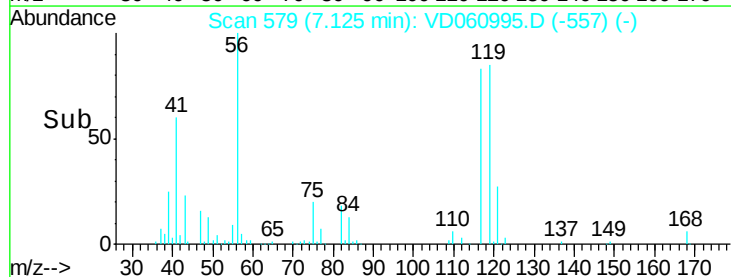
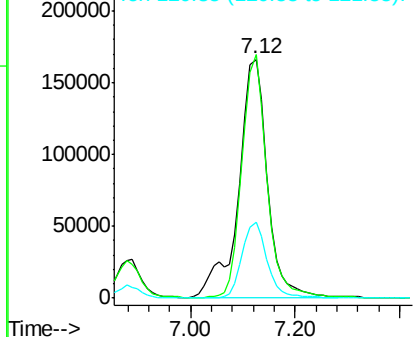


#38
Carbon Tetrachloride
Concen: 52.378 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

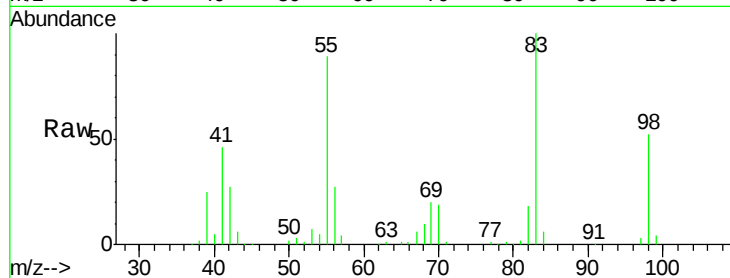
Tot Ion: 83 Resp: 528916

Ion Ratio Lower Upper

83 100

55 89.2 69.6 104.4

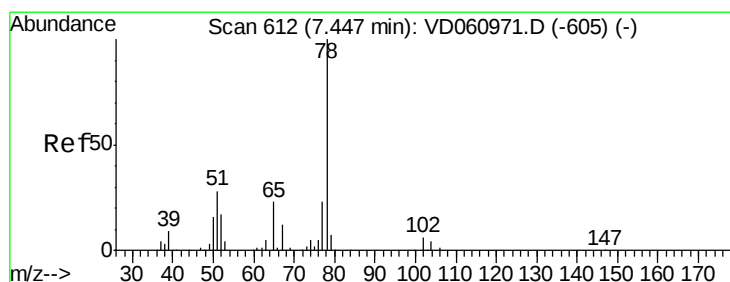
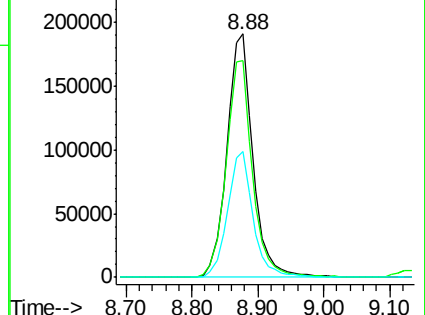
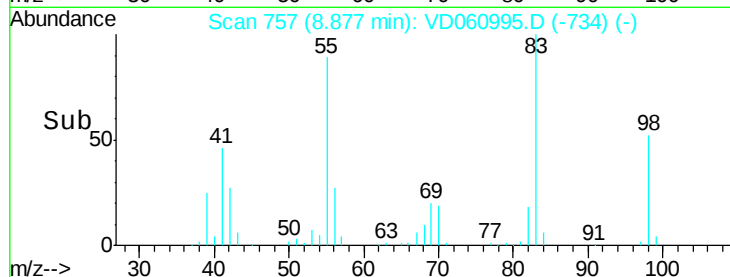
98 51.9 40.0 60.0



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

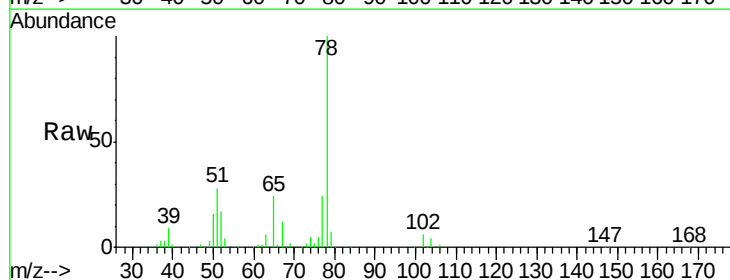
Acq: 8 Mar 2019 21:04

Tgt Ion: 78 Resp: 1266826

Ion Ratio Lower Upper

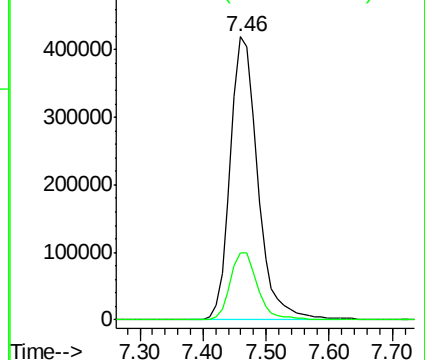
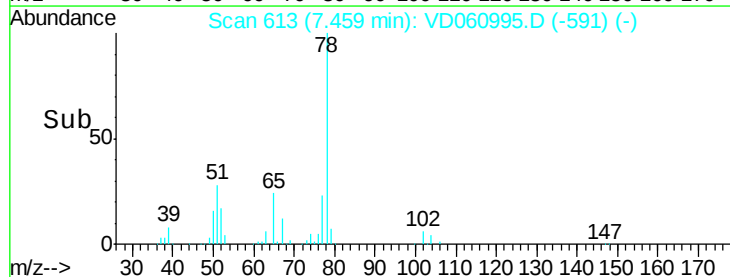
78 100

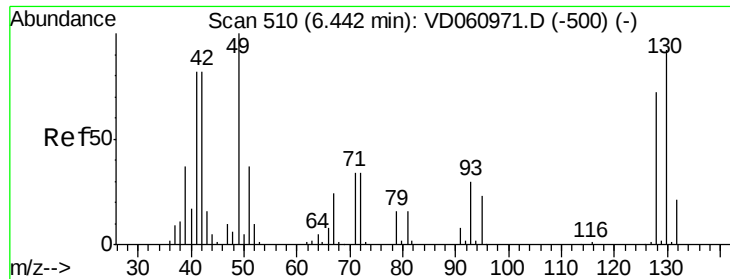
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

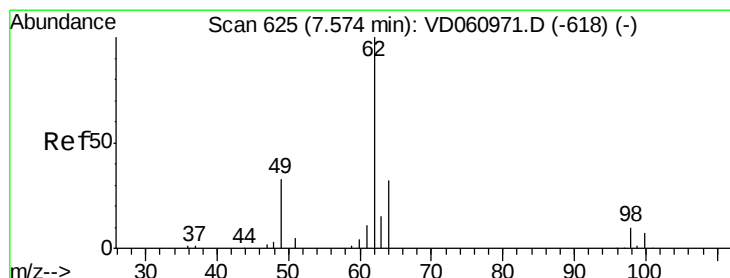
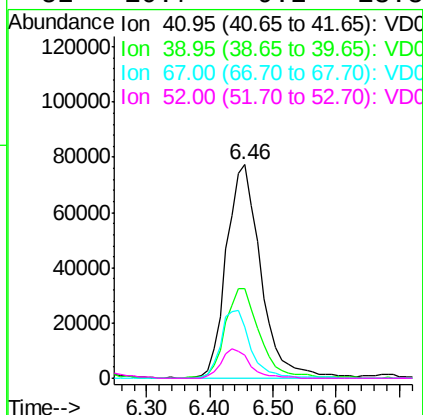
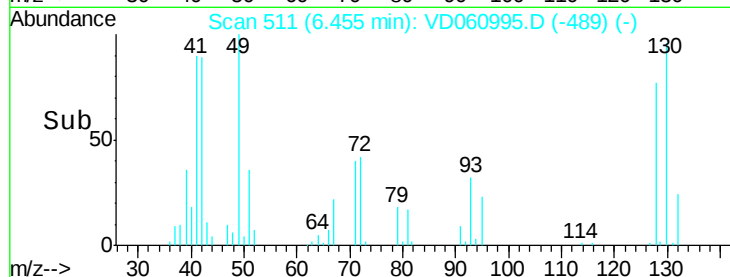
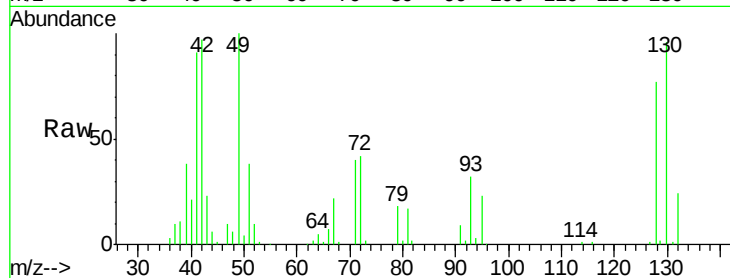




#41
Methacrylonitrile
Concen: 50.633 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

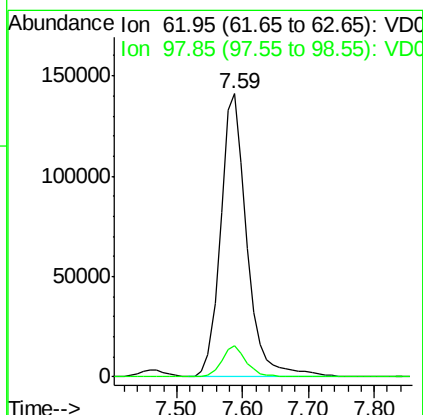
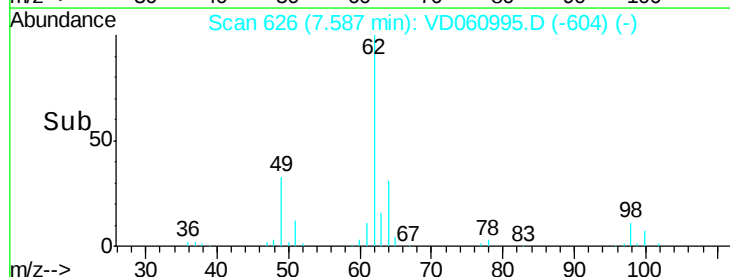
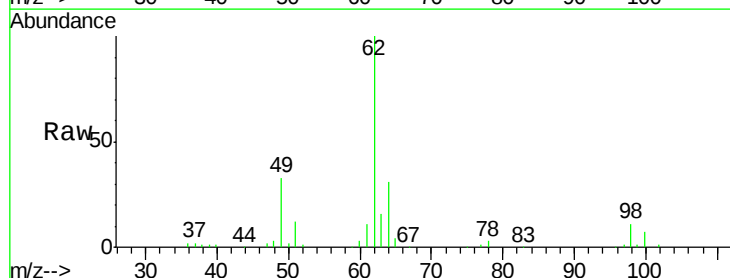
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

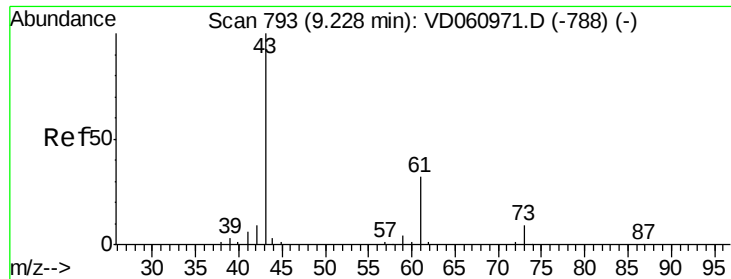
Tot Ion: 41 Resp: 292443
Ion Ratio Lower Upper
41 100
39 41.8 35.7 53.5
67 24.0 23.0 34.6
52 10.7 9.2 13.8



#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





#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

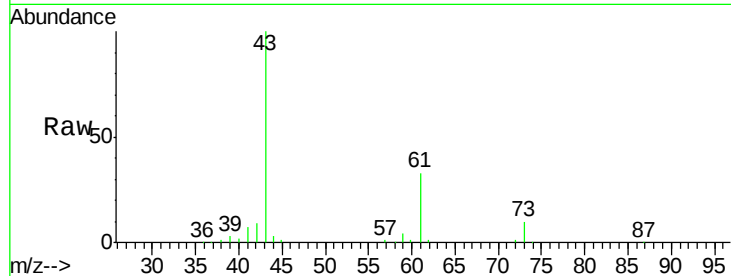
Tot Ion: 43 Resp: 368411

Ion Ratio Lower Upper

43 100

61 32.9 25.6 38.4

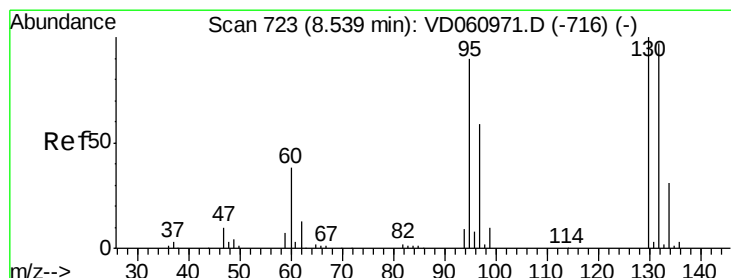
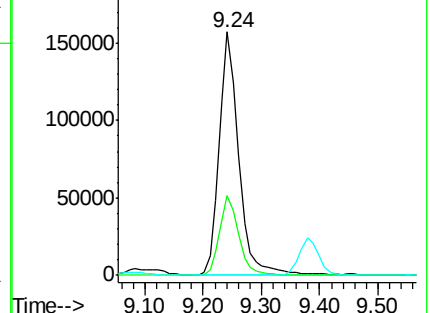
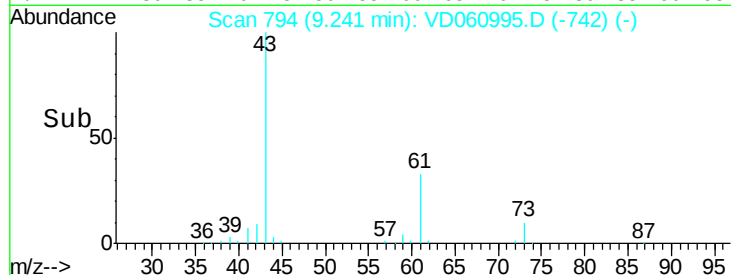
87 0.2 0.2 0.4



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

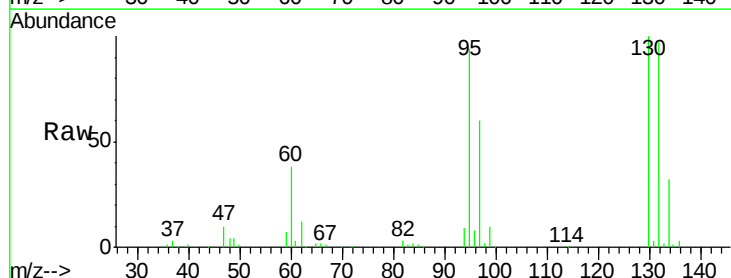
Acq: 8 Mar 2019 21:04

Tgt Ion:130 Resp: 457629

Ion Ratio Lower Upper

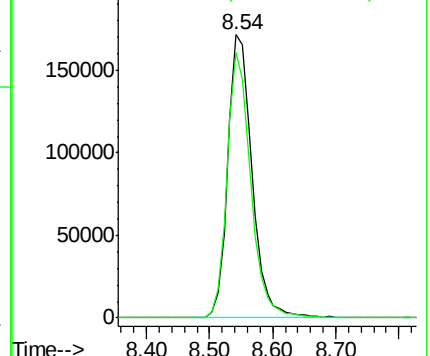
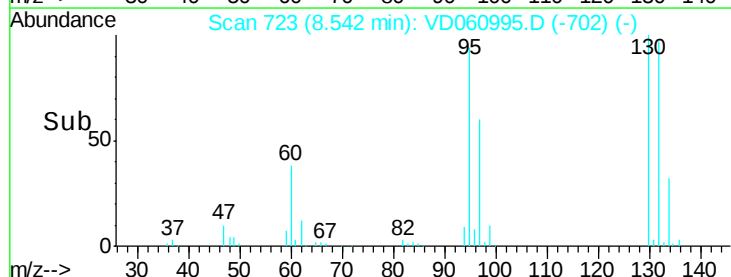
130 100

95 93.6 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

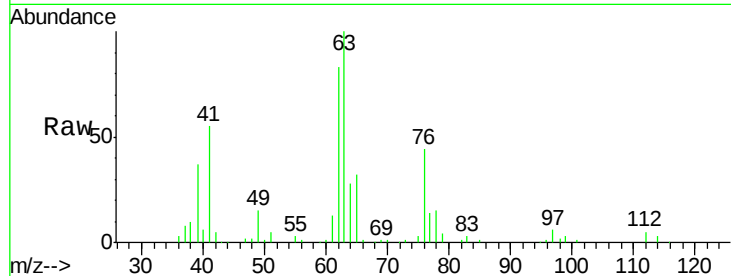




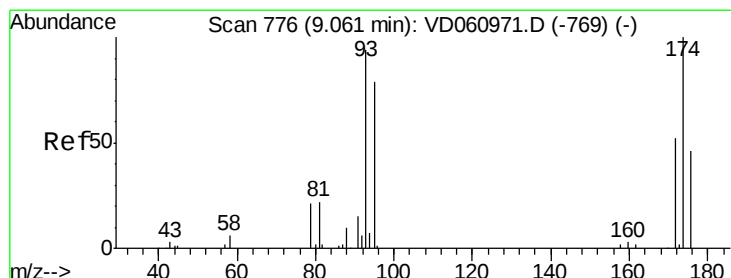
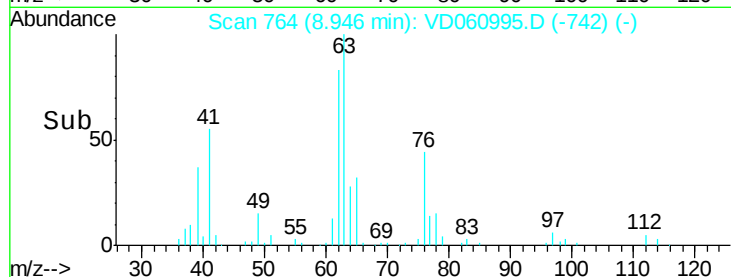
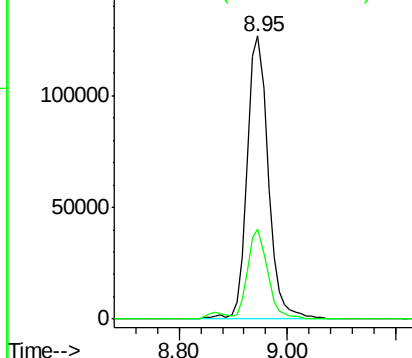
#45
 1,2-Dichloropropane
 Concen: 48.875 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 343332
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

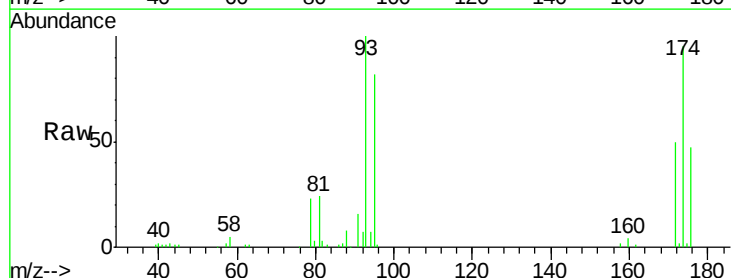


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

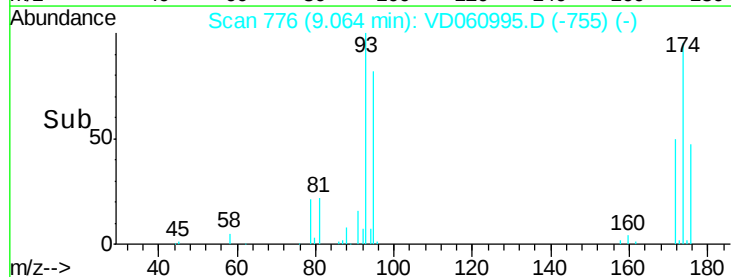
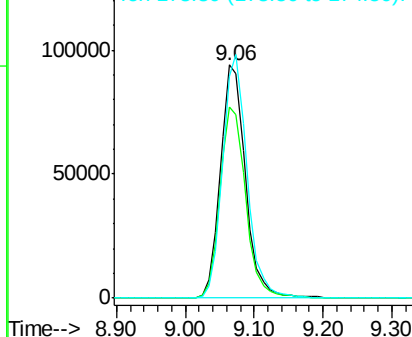


#46
 Dibromomethane
 Concen: 53.048 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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

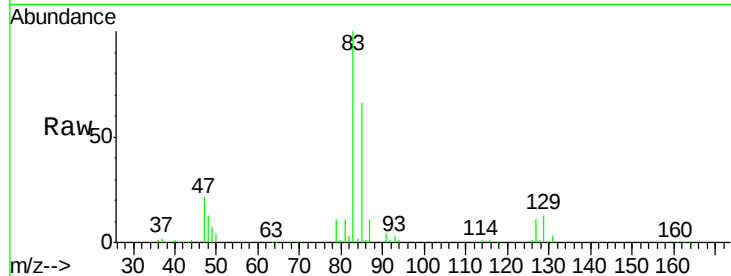
Tot Ion: 83 Resp: 537044

Ion Ratio Lower Upper

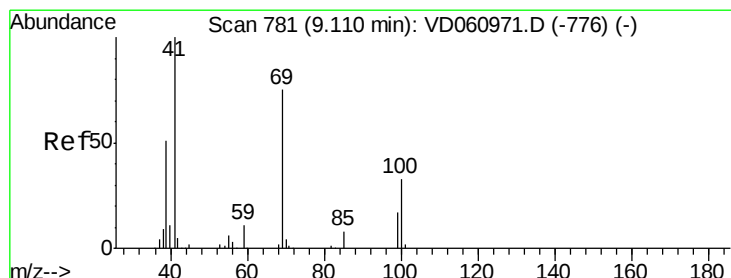
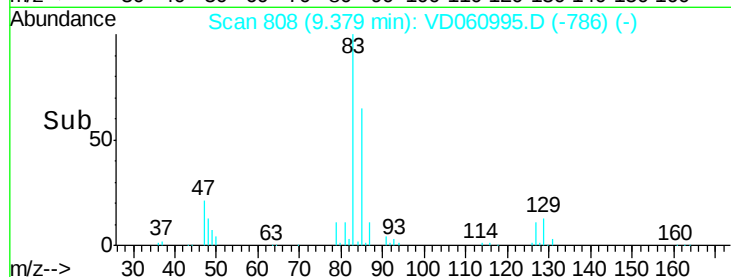
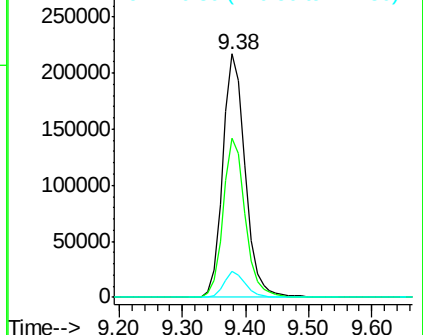
83 100

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

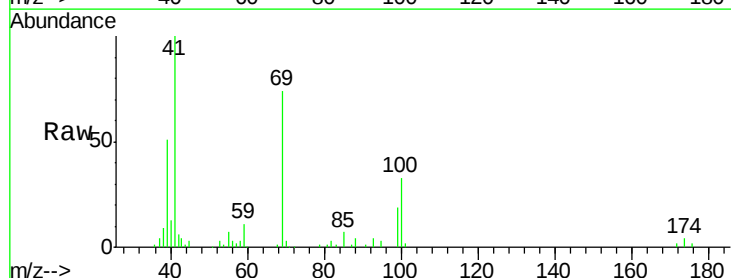
Tgt Ion: 41 Resp: 202638

Ion Ratio Lower Upper

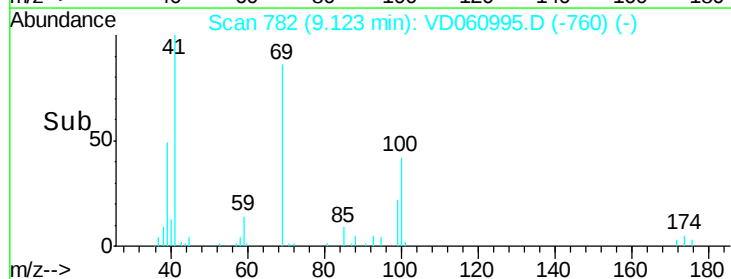
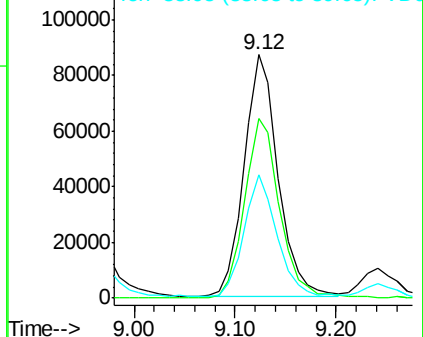
41 100

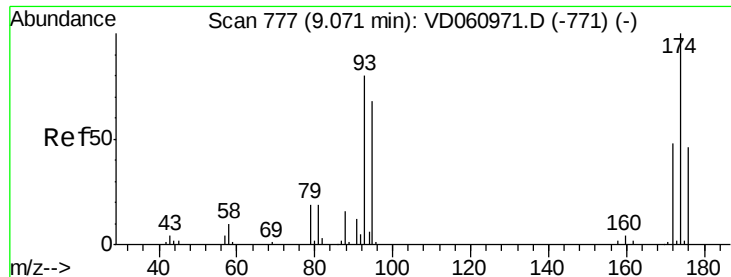
69 73.7 59.9 89.9

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

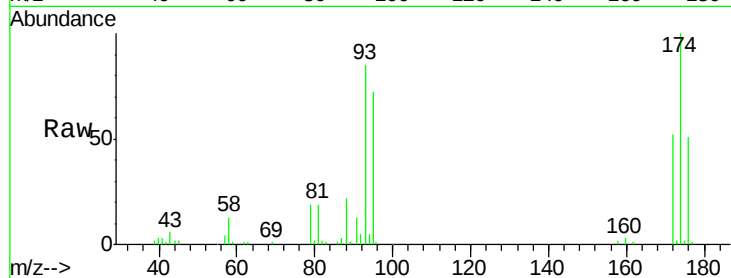




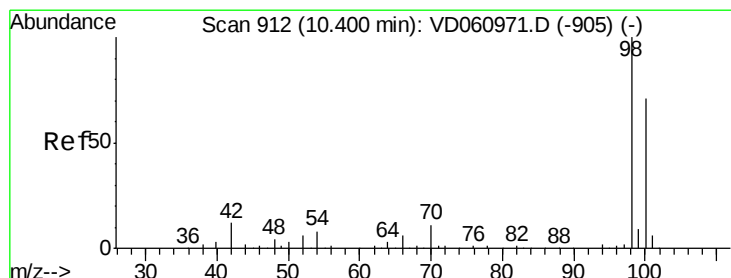
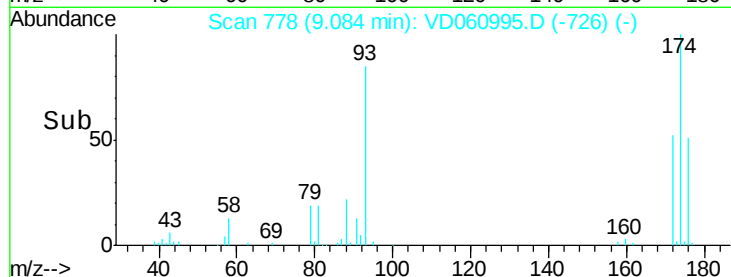
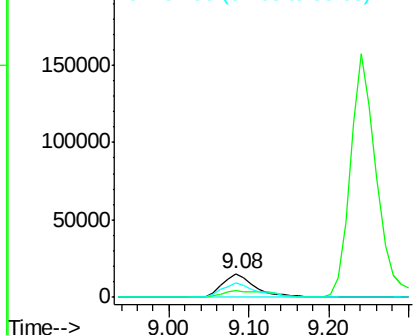
#49
1,4-Dioxane
Concen: 1103.417 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

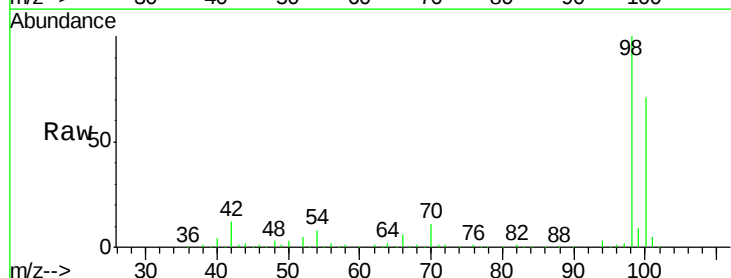


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

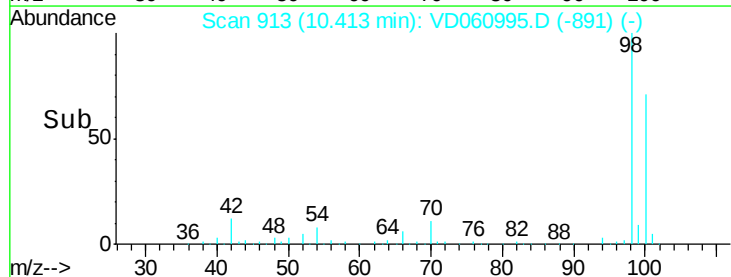
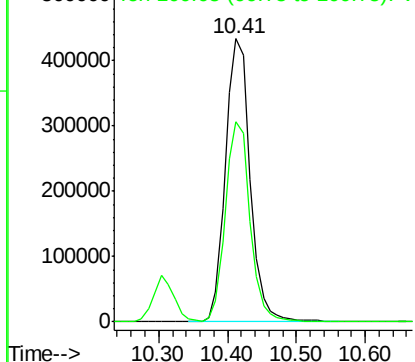


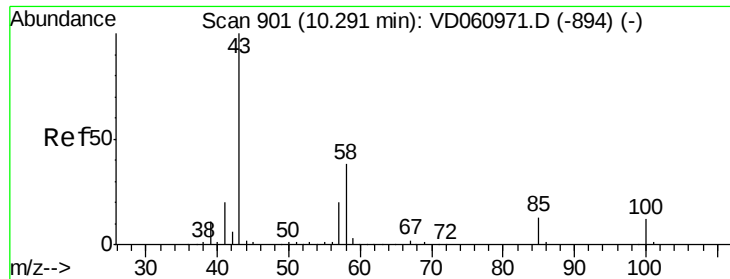
#50
Toluene-d8
Concen: 1103.417 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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 :

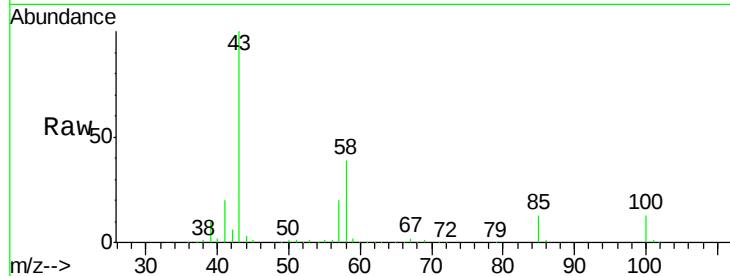
VSTDCCC050EC

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

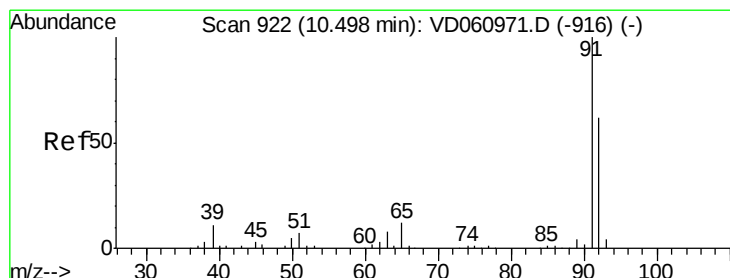
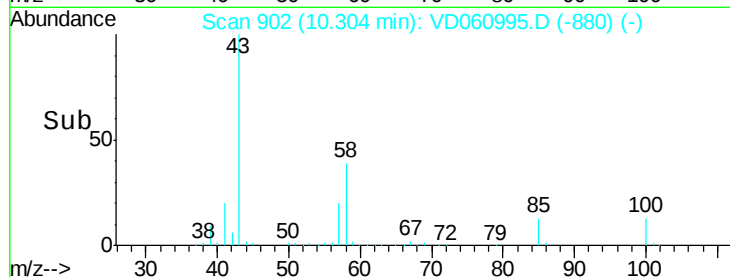
300000

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

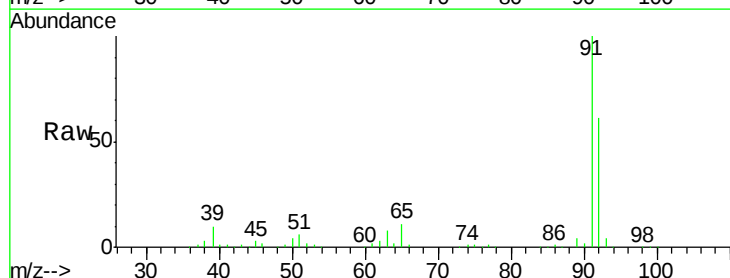
Acq: 8 Mar 2019 21:04

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

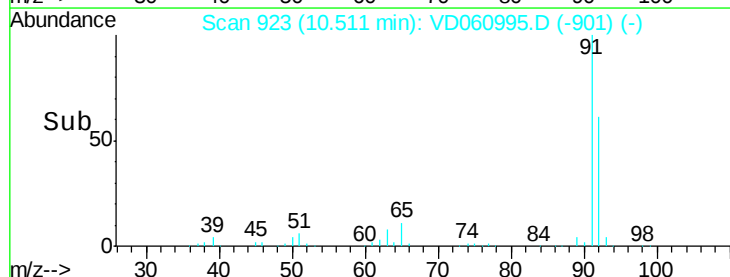
600000

400000

200000

0

Time-->

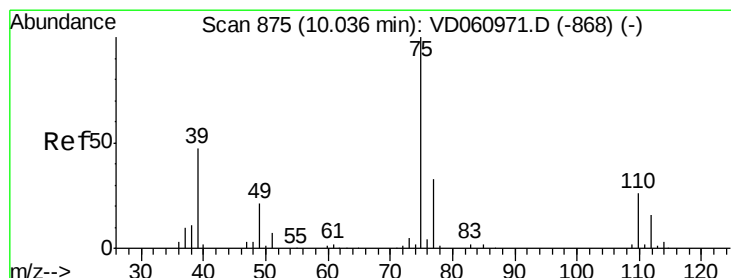
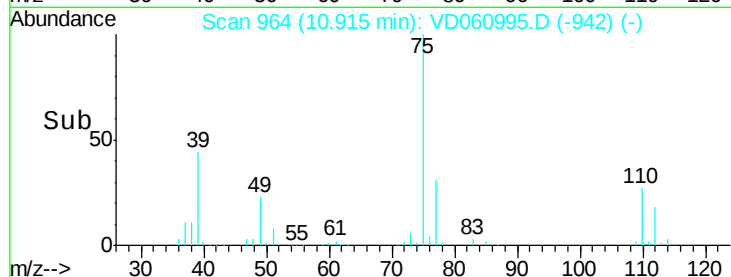
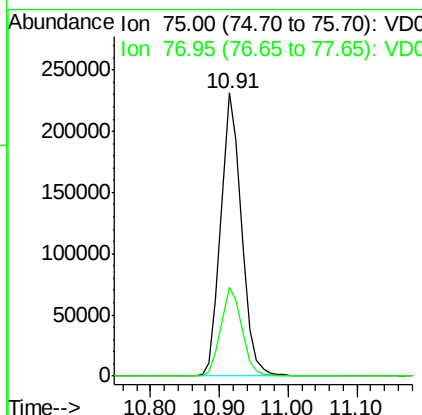
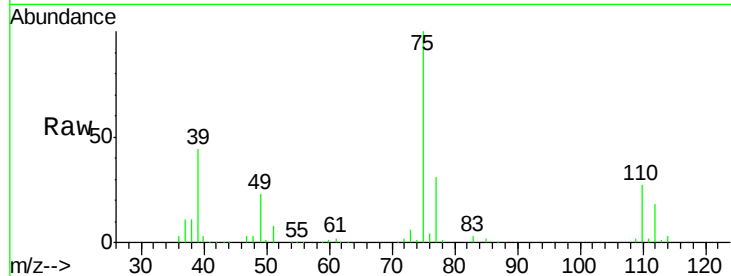




#53
 t-1,3-Dichloropropene
 Concen: 52.809 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

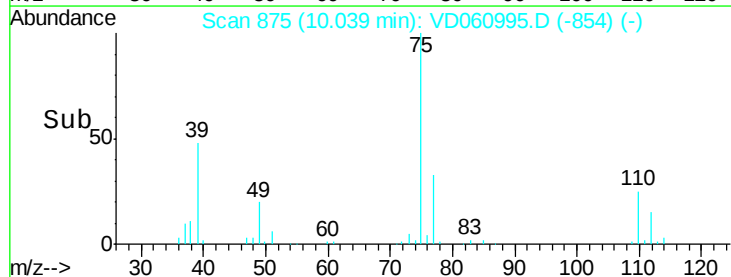
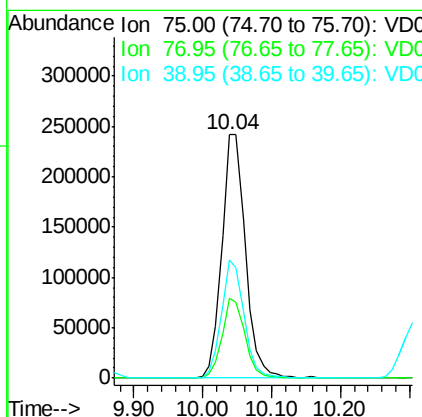
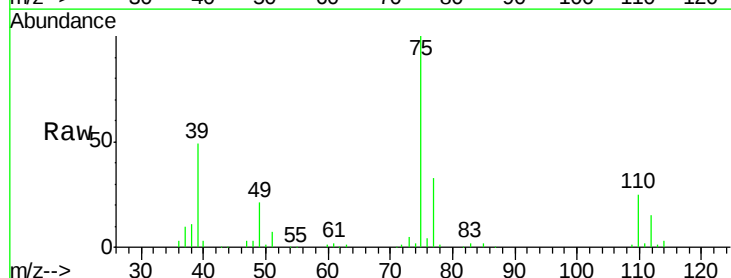
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

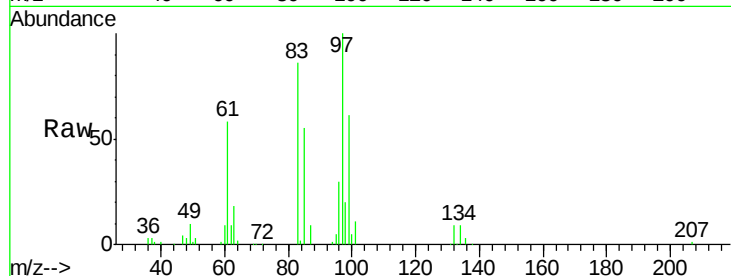




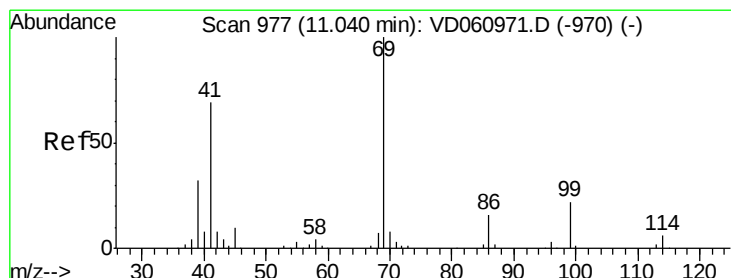
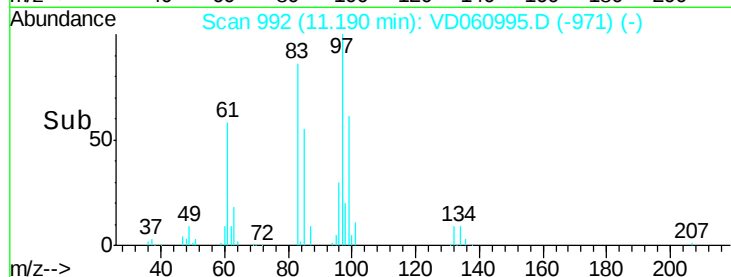
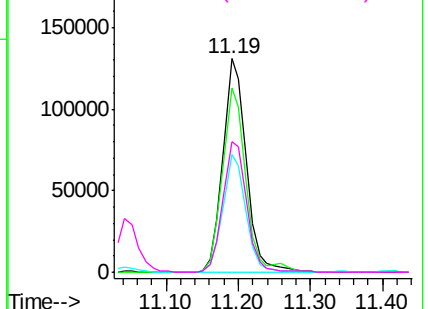
#55
 1,1,2-Trichloroethane
 Concen: 53.313 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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

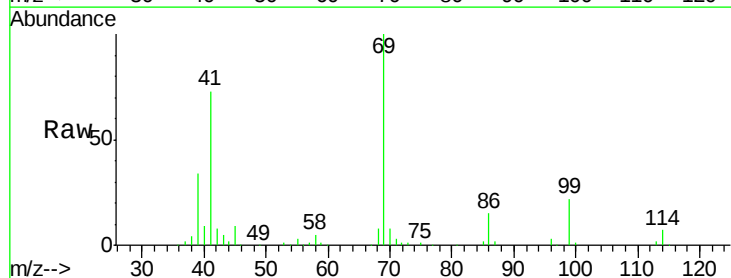


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

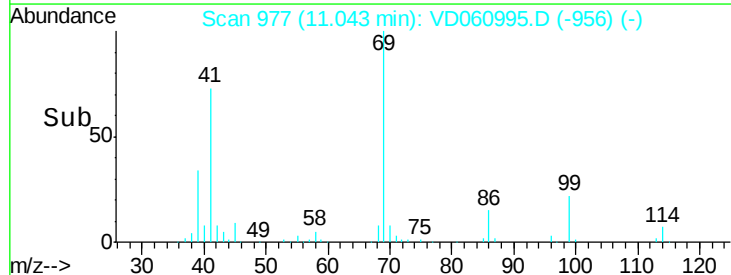
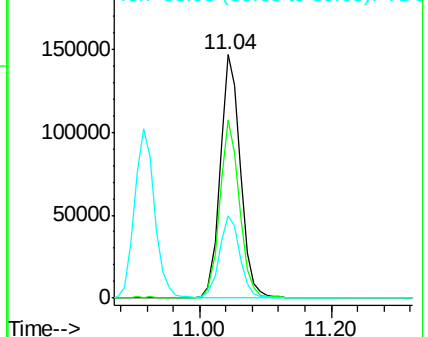


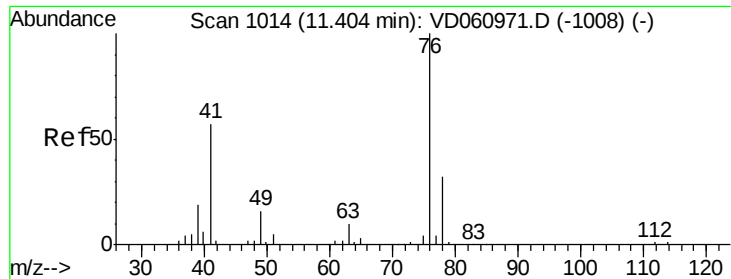
#56
 Ethyl methacrylate
 Concen: 53.979 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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
 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 :

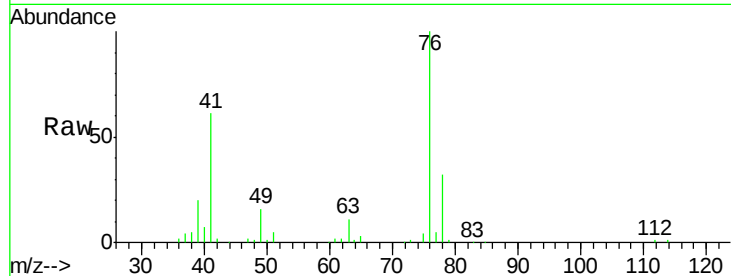
VSTDCCC050EC

Tot Ion: 76 Resp: 452474

Ion Ratio Lower Upper

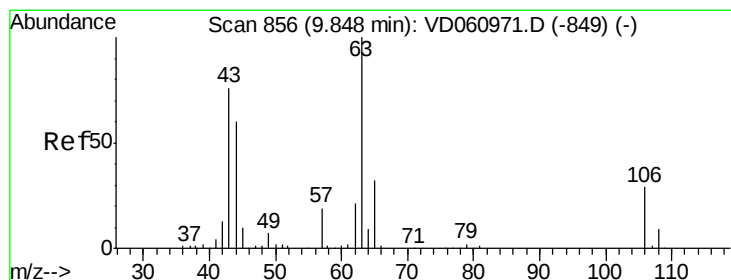
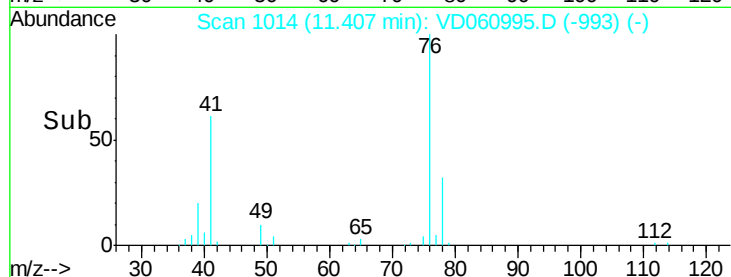
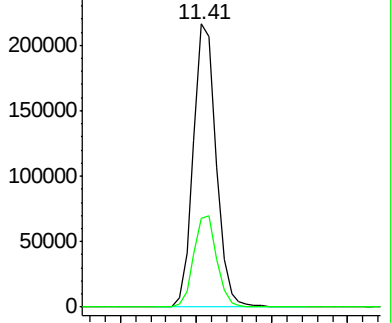
76 100

78 31.6 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 247.171 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD060995.D

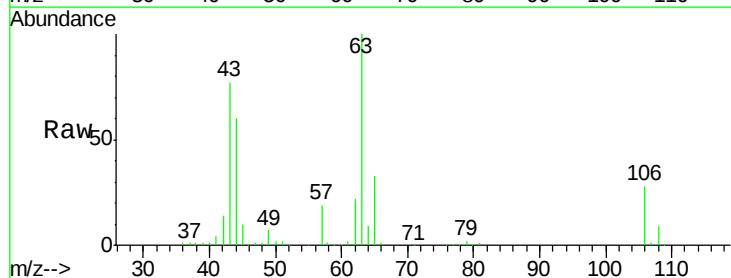
Acq: 8 Mar 2019 21:04

Tgt Ion: 63 Resp: 758274

Ion Ratio Lower Upper

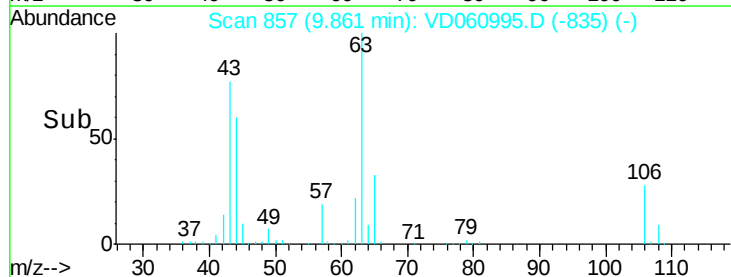
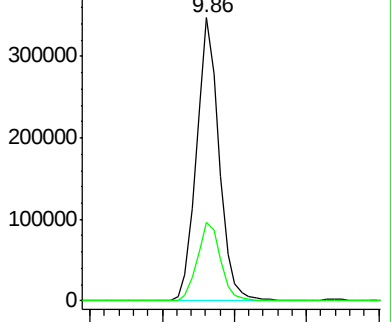
63 100

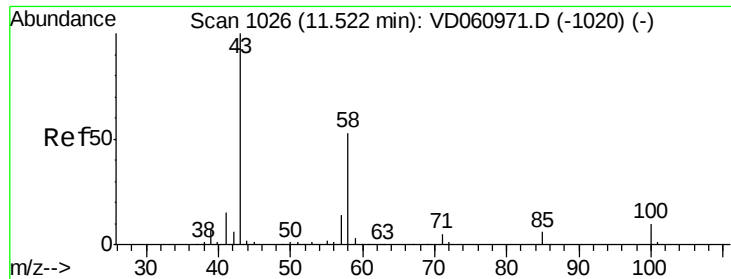
106 27.9 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

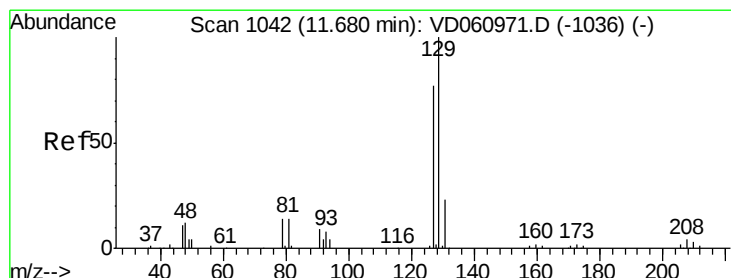
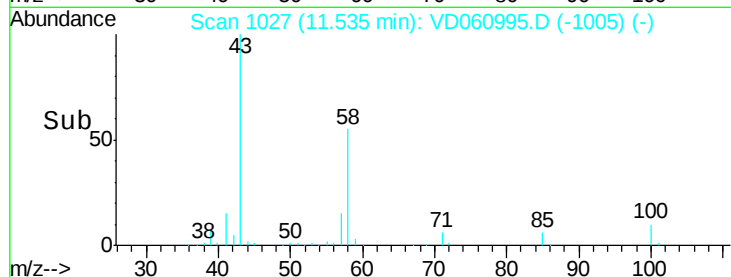
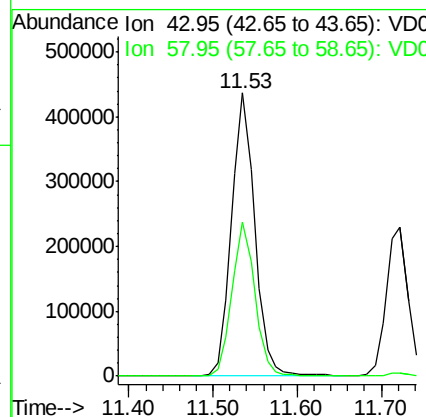
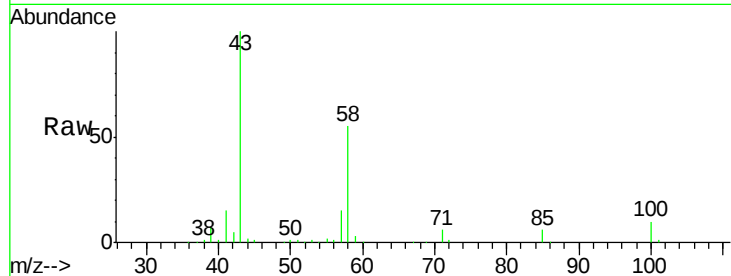




#59
2-Hexanone
Concen: 269.295 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

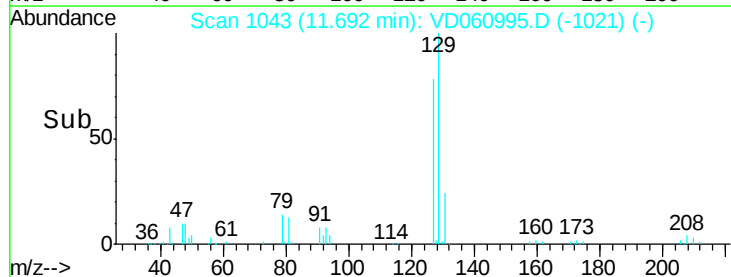
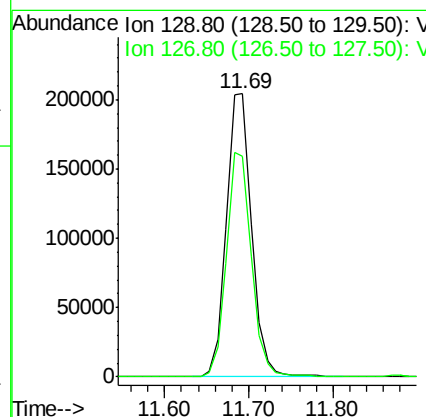
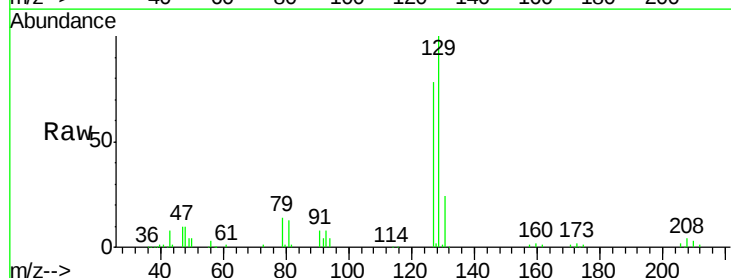
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

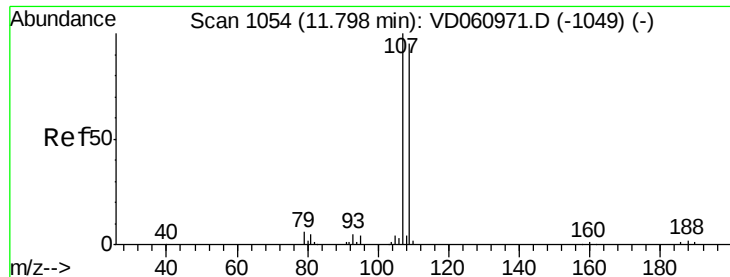
Tot Ion: 43 Resp: 839309
Ion Ratio Lower Upper
43 100
58 54.6 26.5 79.5



#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

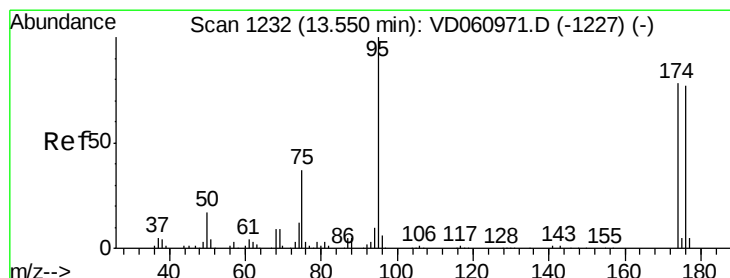
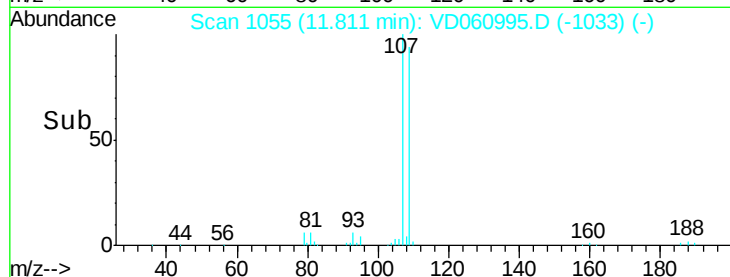
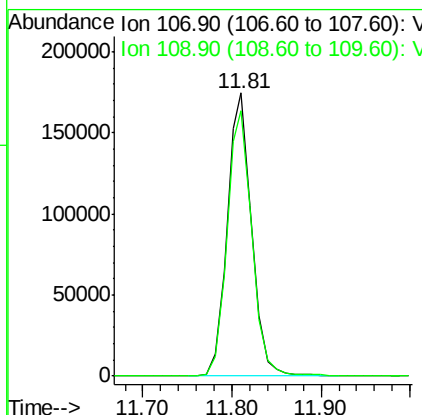
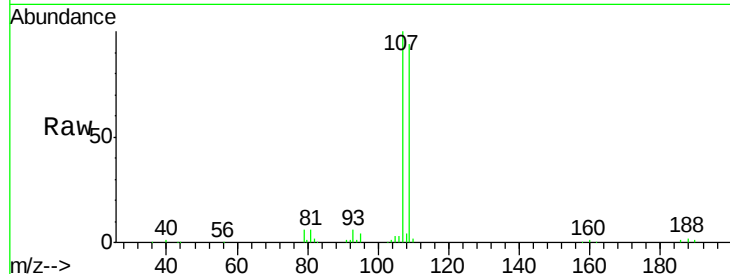




#61
 1,2-Dibromoethane
 Concen: 52.168 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

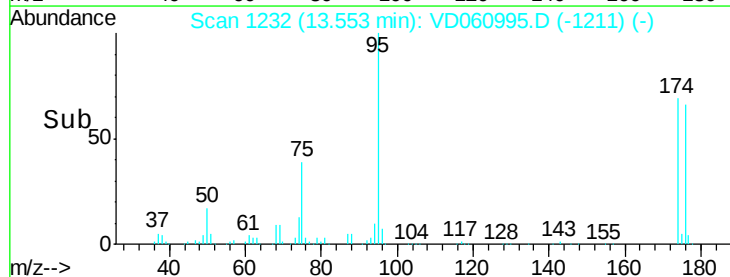
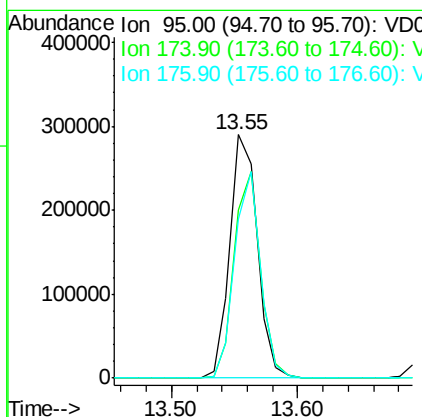
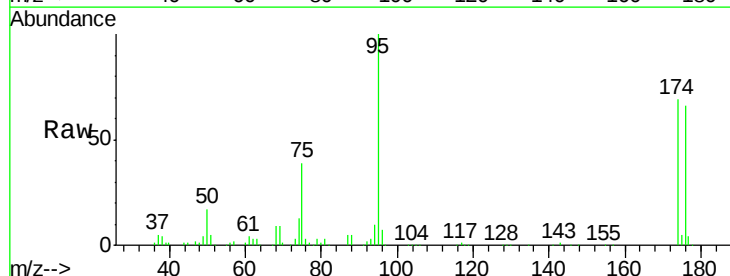
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

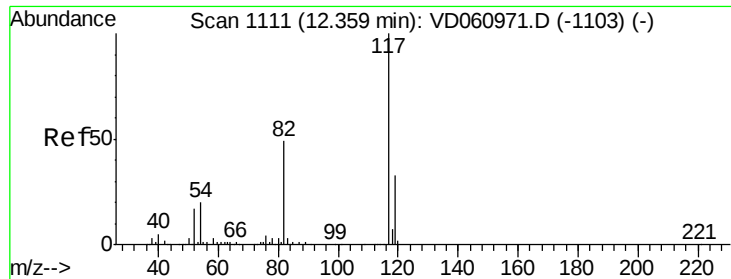
Tot Ion: 107 Resp: 336023
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#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

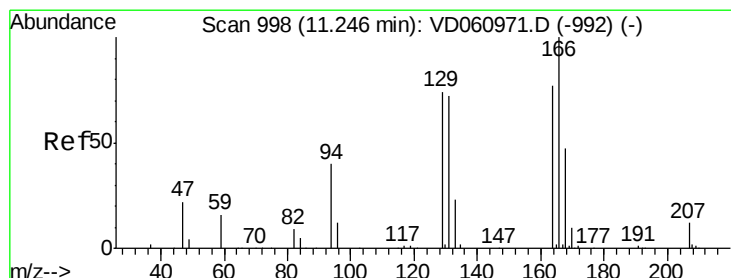
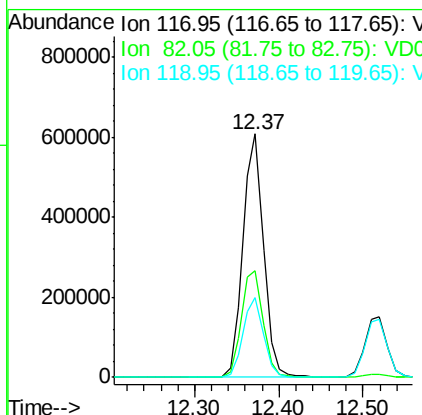
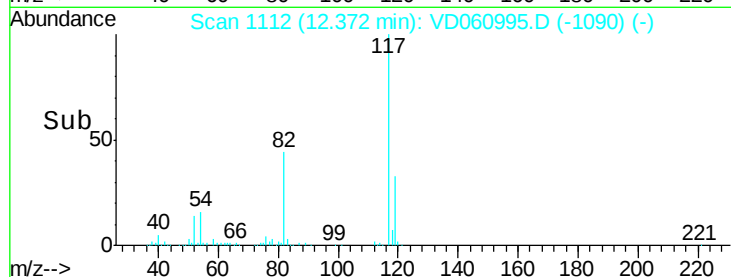
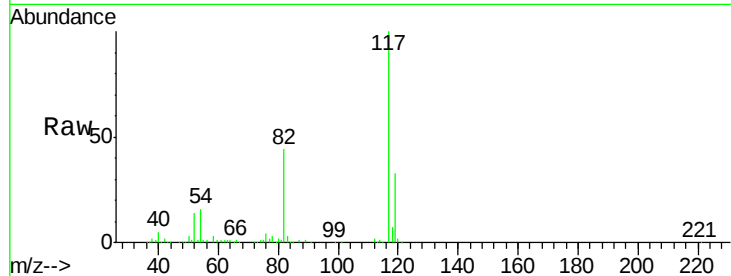




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

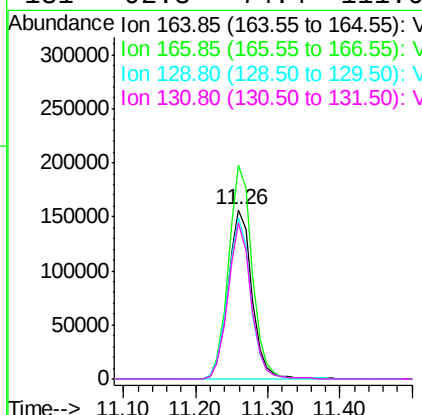
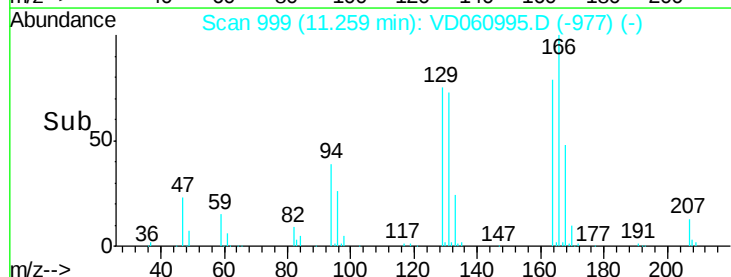
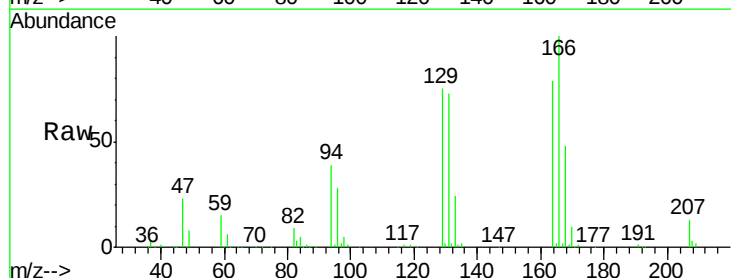
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

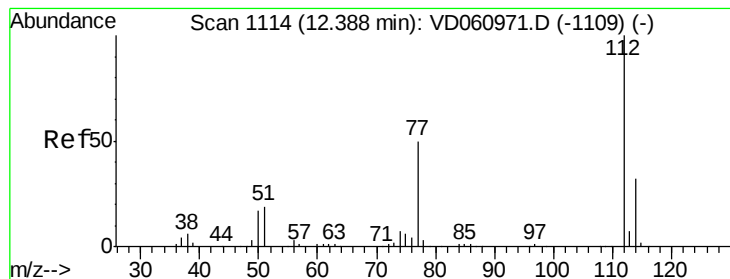
Tot Ion:117 Resp: 1038550
Ion Ratio Lower Upper
117 100
82 43.6 38.9 58.3
119 32.6 26.6 39.8



#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 :

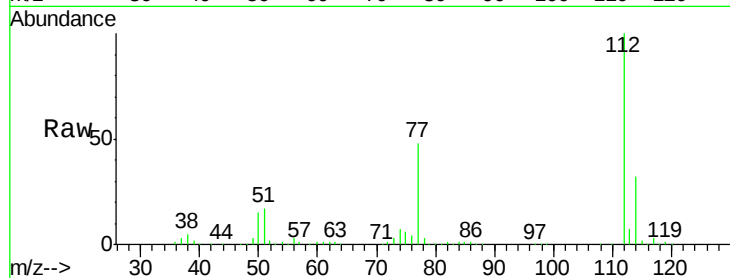
VSTDCCC050EC

Tot Ion:112 Resp: 986076

Ion Ratio Lower Upper

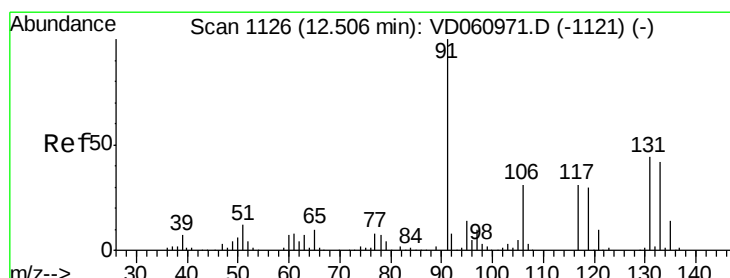
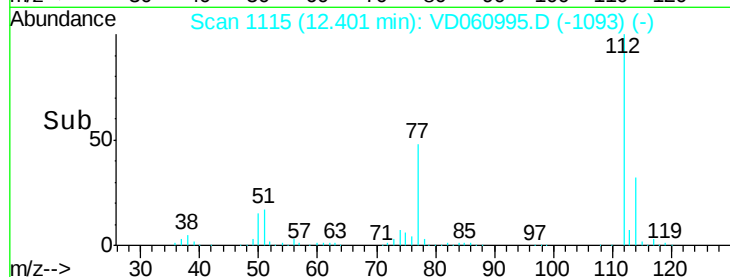
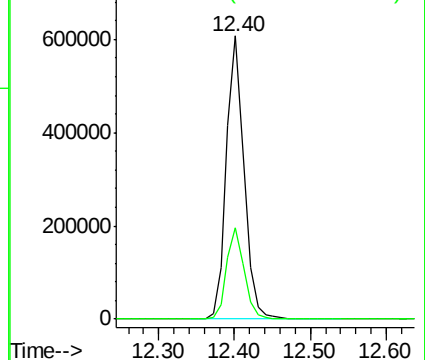
112 100

114 32.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#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

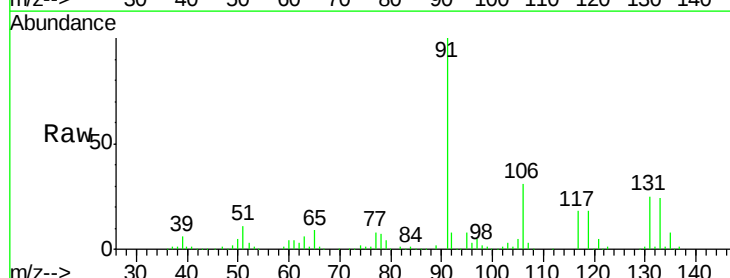
Tgt Ion:131 Resp: 378171

Ion Ratio Lower Upper

131 100

133 96.2 47.8 143.3

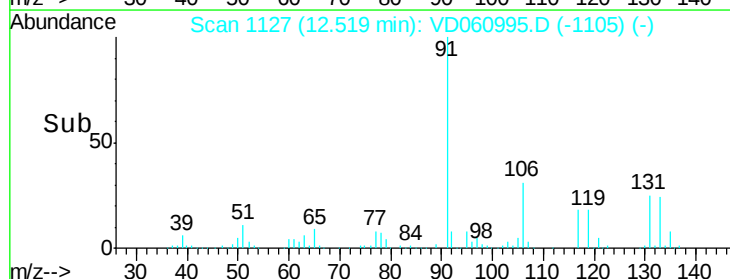
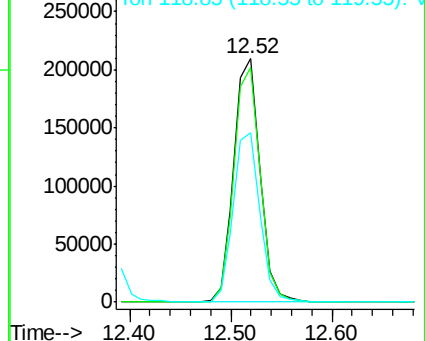
119 69.3 34.3 102.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

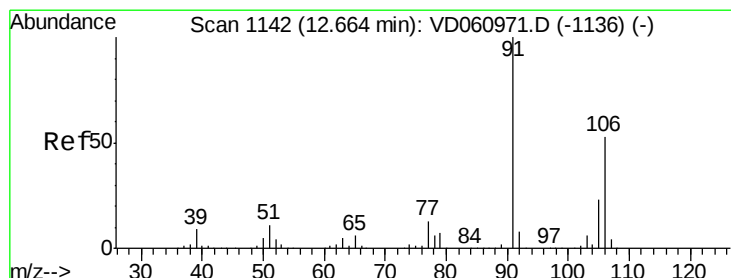
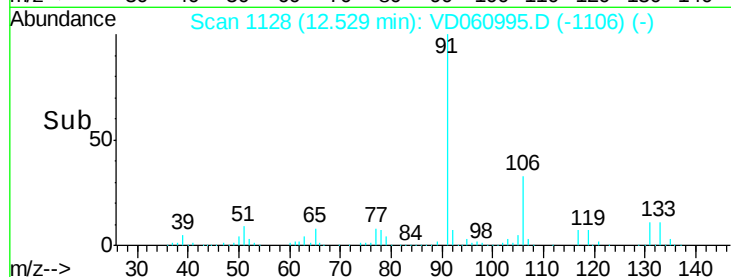
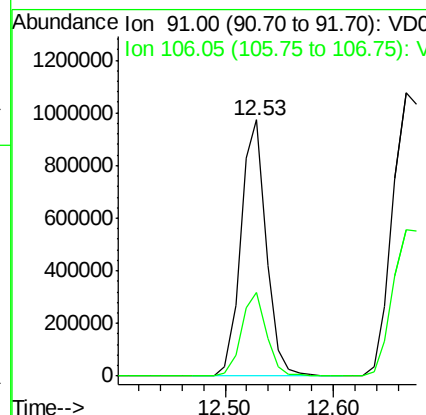
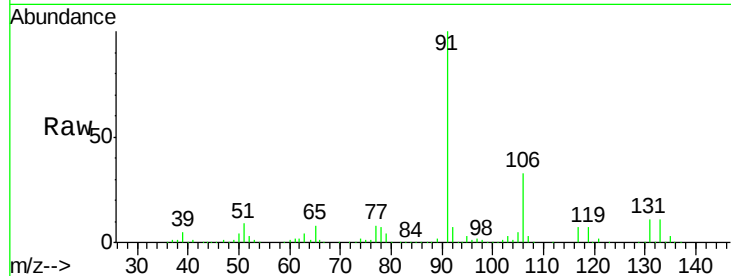




#67
Ethyl Benzene
Concen: 52.091 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

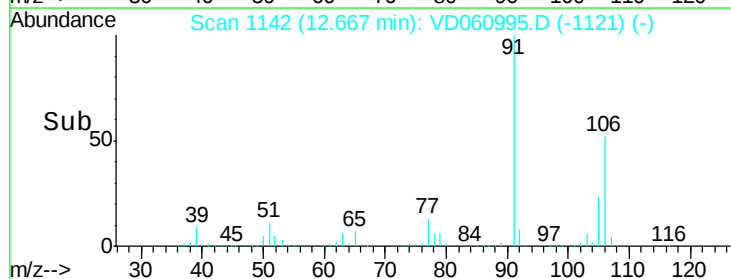
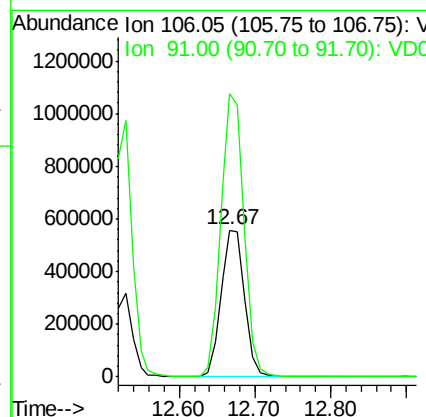
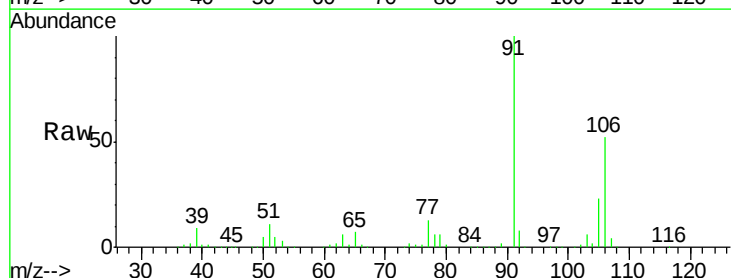
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

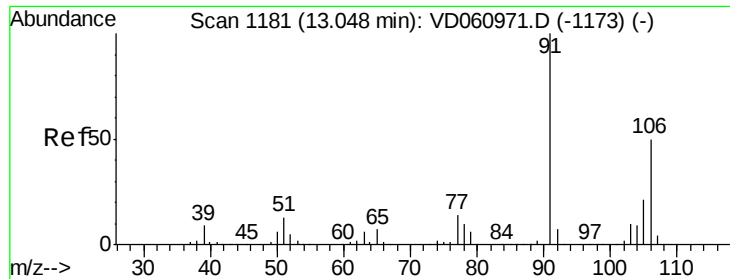
Tot Ion: 91 Resp: 1578922
Ion Ratio Lower Upper
91 100
106 32.8 25.7 38.5



#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

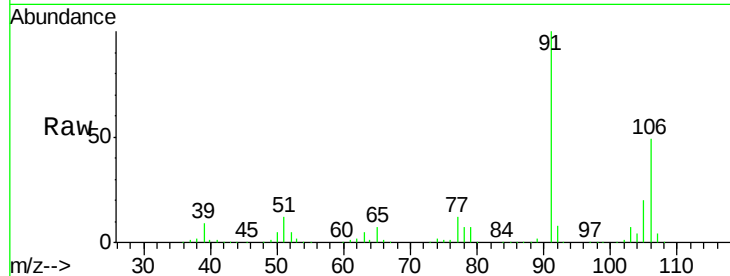




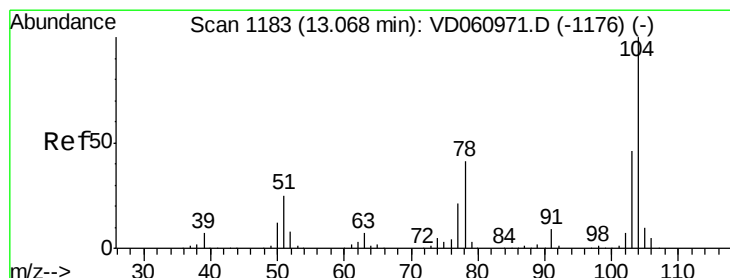
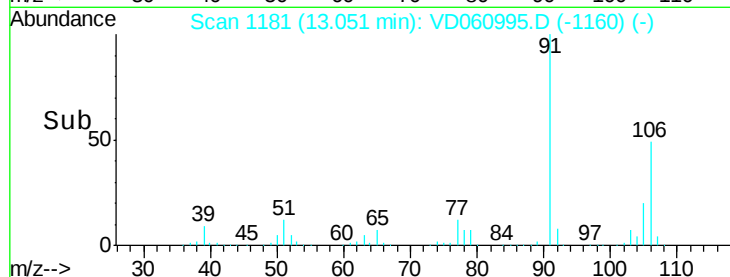
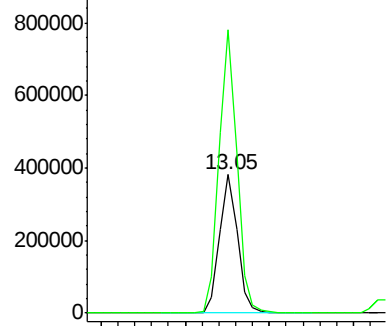
#69
o-Xylene
Concen: 49.173 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

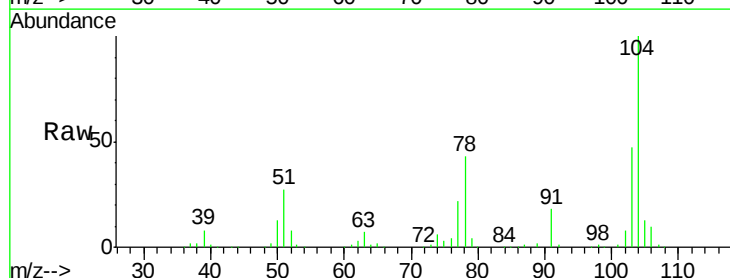


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

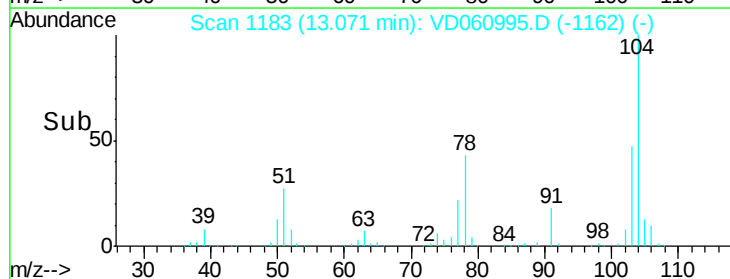
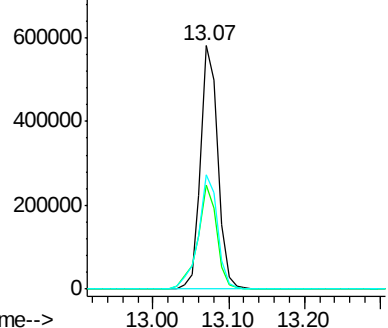


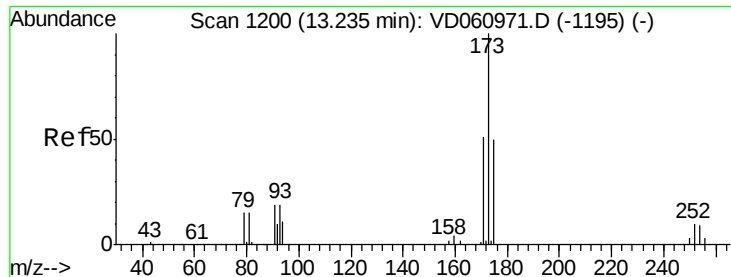
#70
Styrene
Concen: 47.960 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

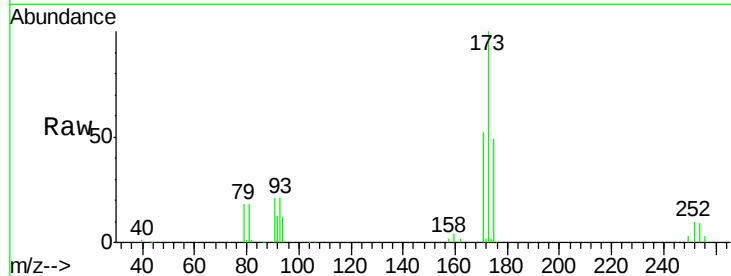
Tot Ion:173 Resp: 253921

Ion Ratio Lower Upper

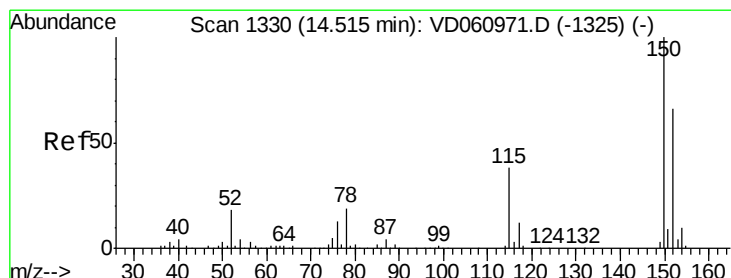
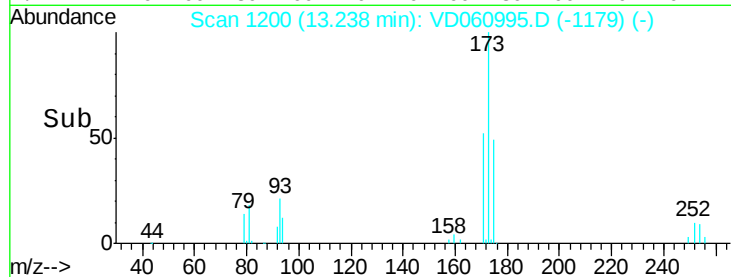
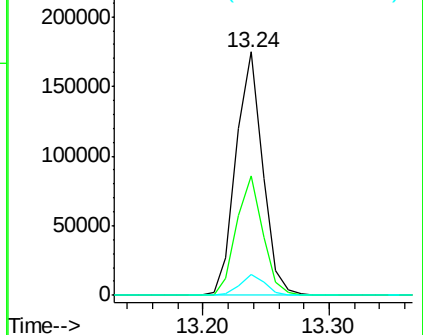
173 100

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

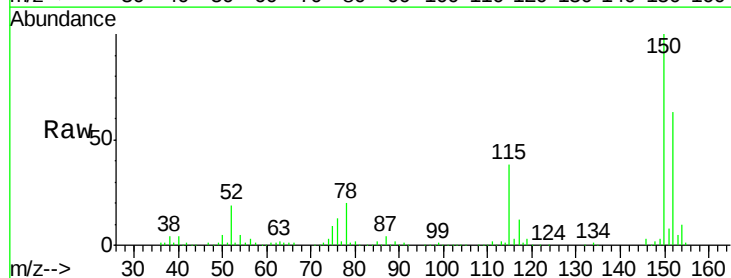
Tgt Ion:152 Resp: 451766

Ion Ratio Lower Upper

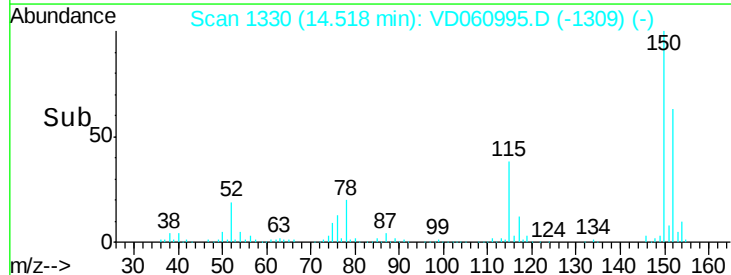
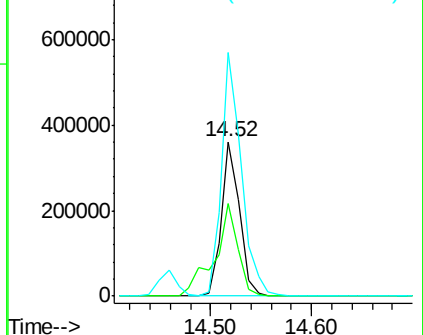
152 100

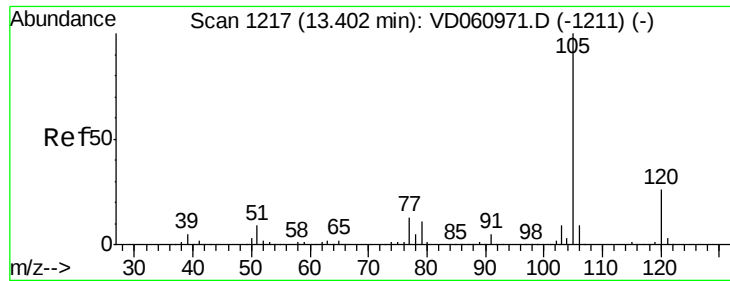
115 59.9 28.6 85.9

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 :

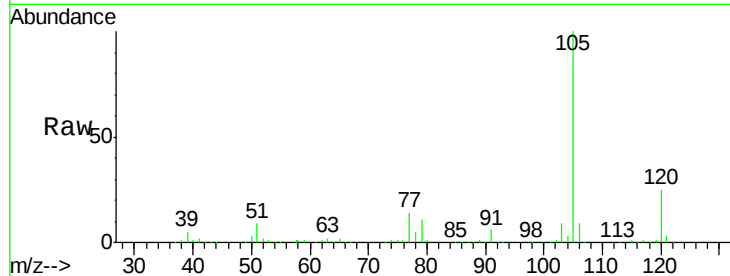
VSTDCCC050EC

Tot Ion:105 Resp: 1606755

Ion Ratio Lower Upper

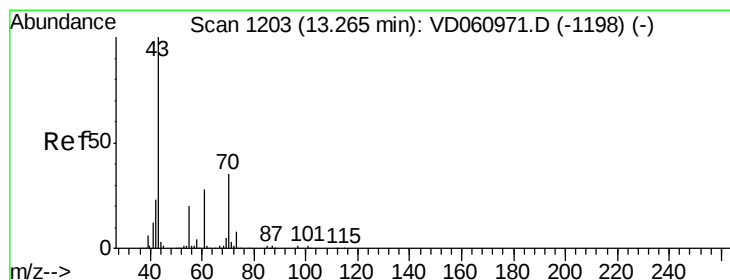
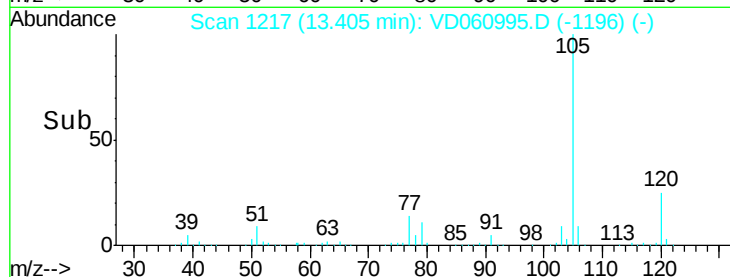
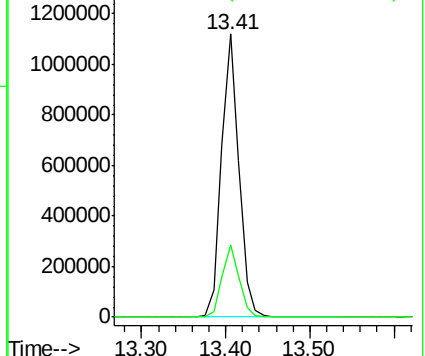
105 100

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

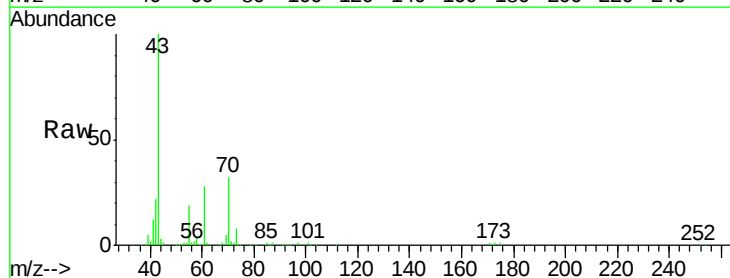
Ion Ratio Lower Upper

43 100

70 32.4 27.7 41.5

55 19.0 16.2 24.2

61 28.2 22.3 33.5

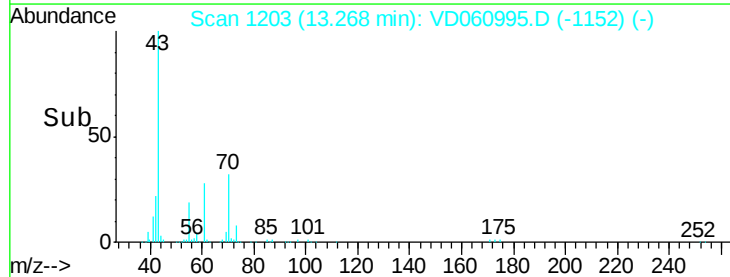
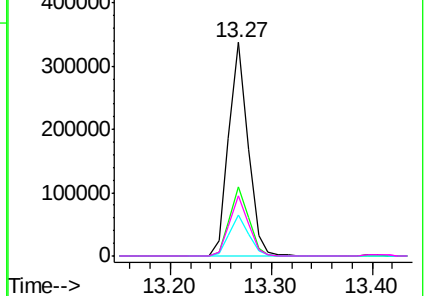


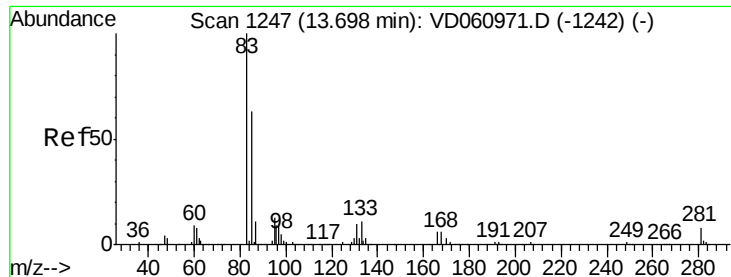
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

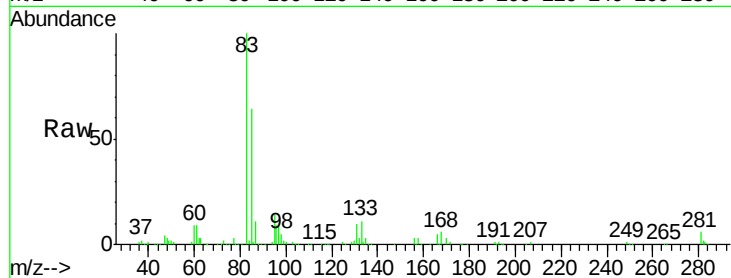
Tot Ion: 83 Resp: 319815

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

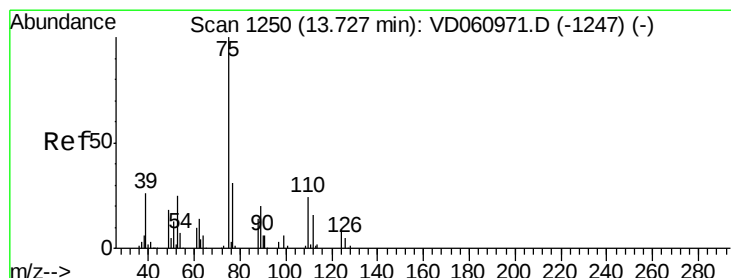
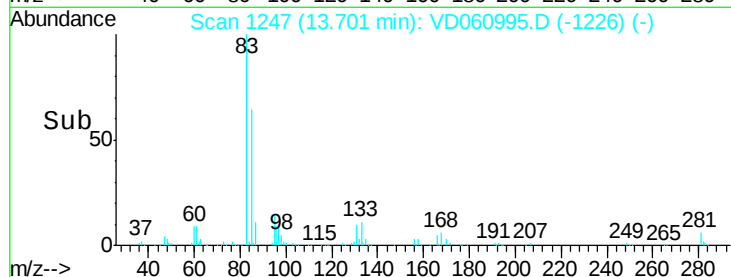
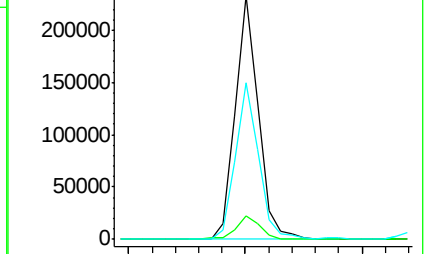
85 64.5 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.881 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060995.D

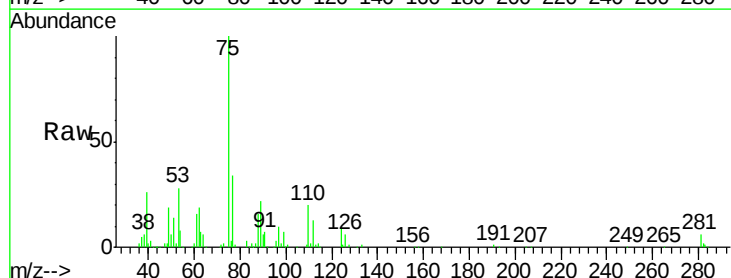
Acq: 8 Mar 2019 21:04

Tgt Ion: 75 Resp: 343699

Ion Ratio Lower Upper

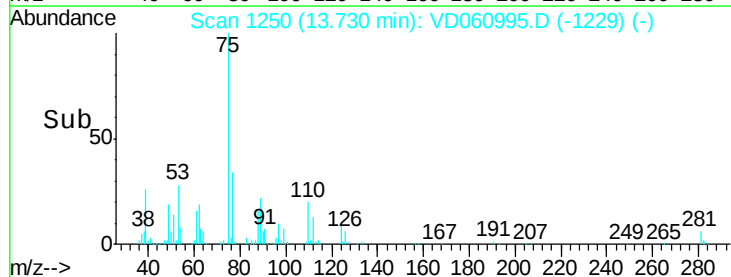
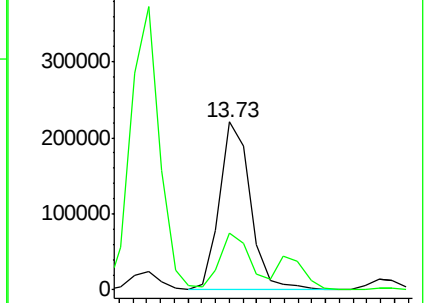
75 100

77 33.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#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

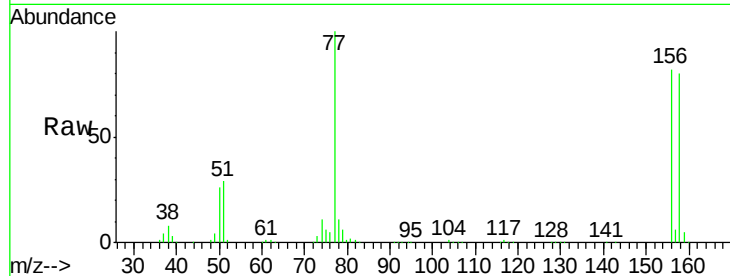
Tot Ion:156 Resp: 415612

Ion Ratio Lower Upper

156 100

77 122.3 55.5 166.7

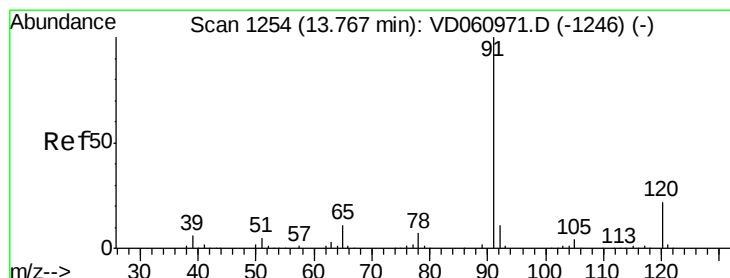
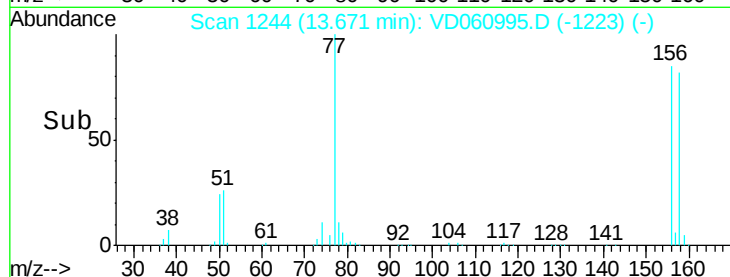
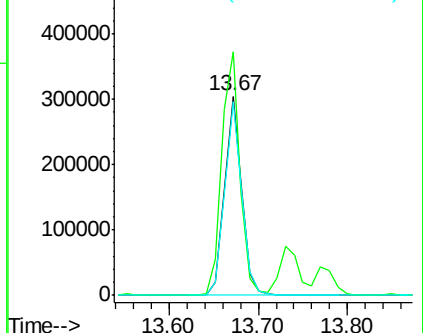
158 97.2 49.0 147.0



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

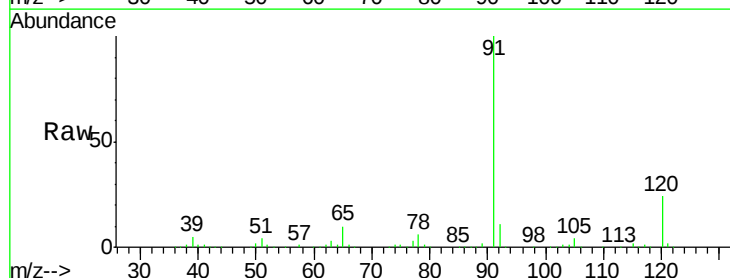
Acq: 8 Mar 2019 21:04

Tgt Ion: 91 Resp: 1782741

Ion Ratio Lower Upper

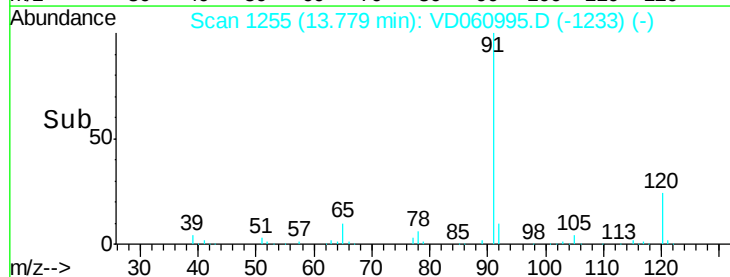
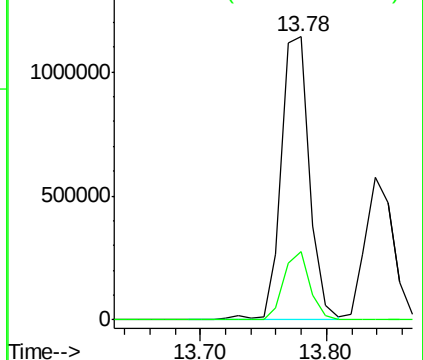
91 100

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

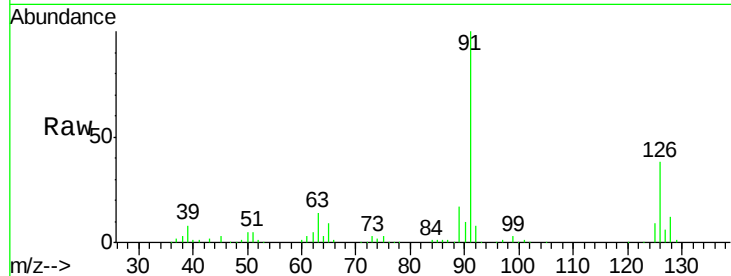




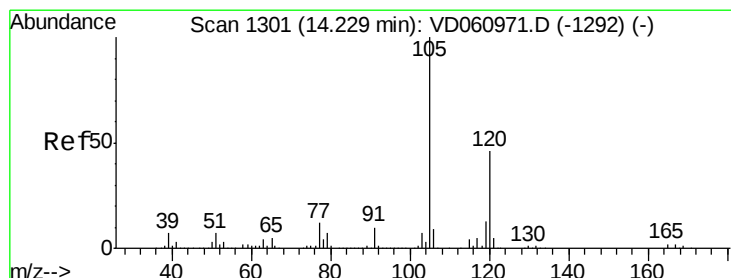
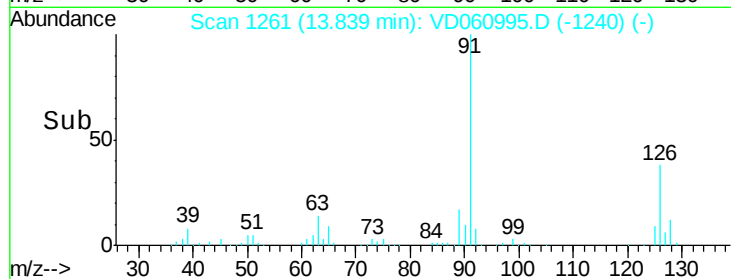
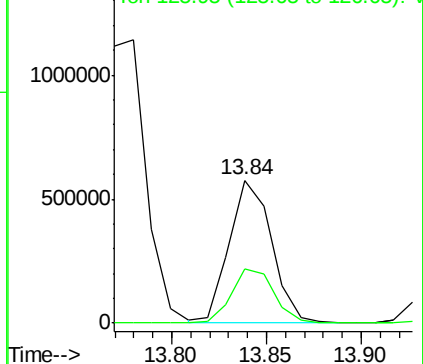
#79
2-Chlorotoluene
Concen: 42.325 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

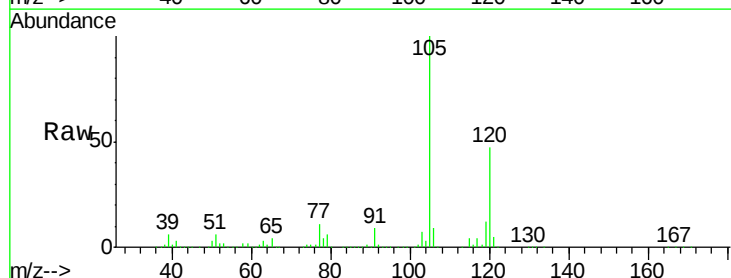


Abundance Ion 91.00 (90.70 to 91.70): VD060995.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD060995.D (-1258) (-)

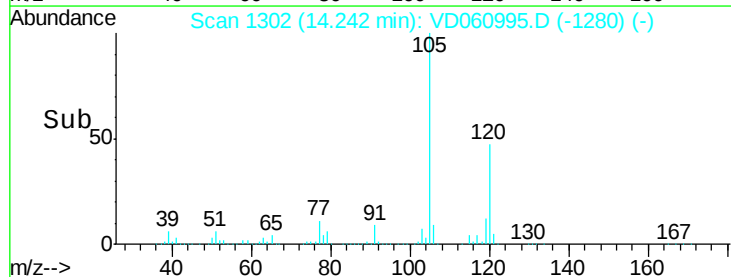
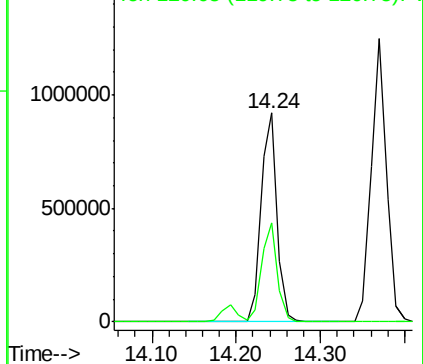


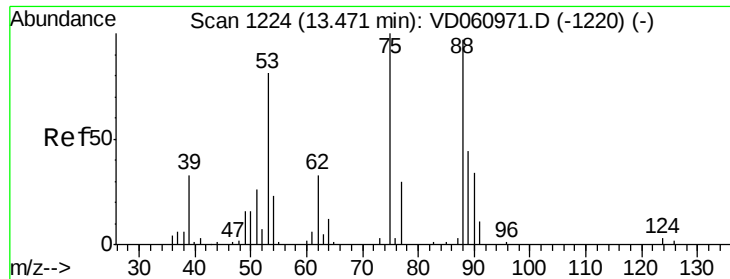
#80
1,3,5-Trimethylbenzene
Concen: 50.338 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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): VD060995.D (-1292) (-)
Ion 120.05 (119.75 to 120.75): VD060995.D (-1292) (-)

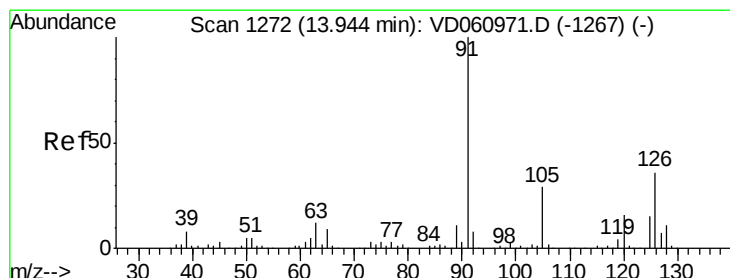
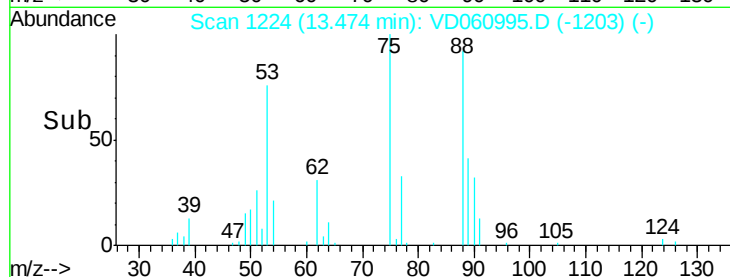
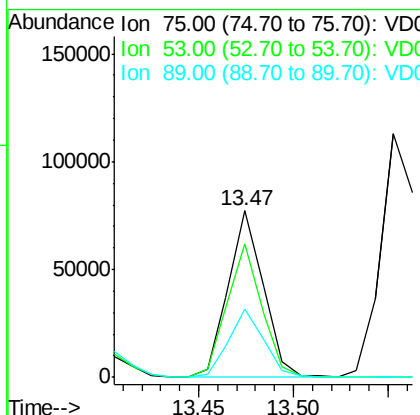
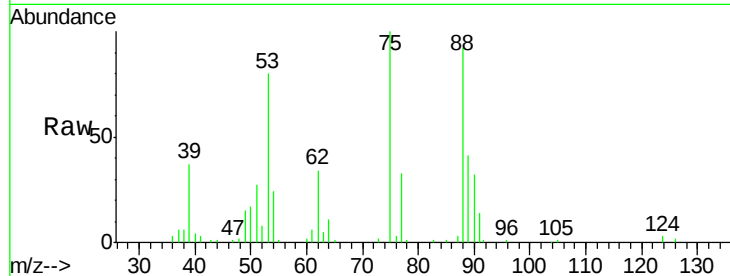




#81
trans-1,4-Dichloro-2-butene
Concen: 51.774 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

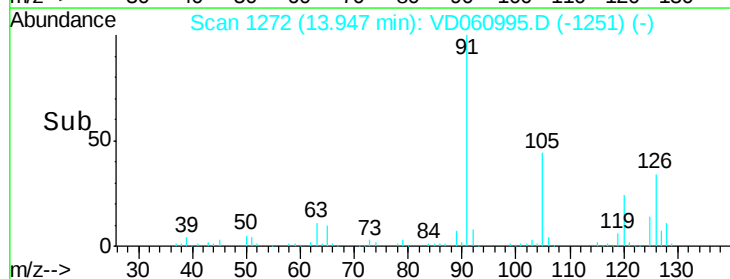
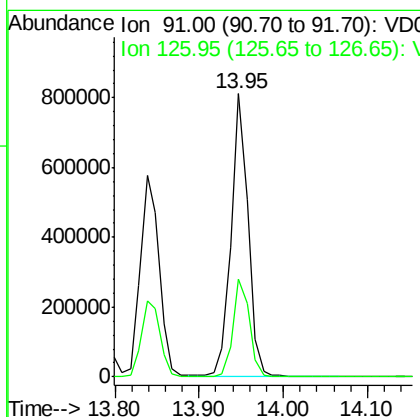
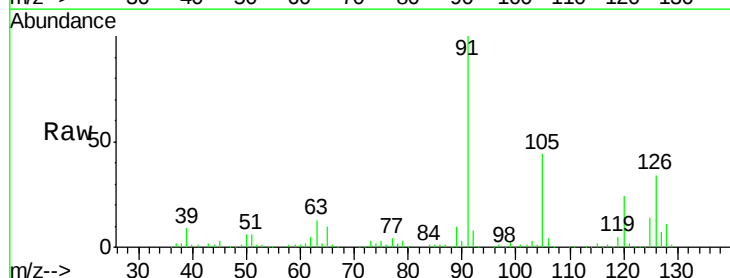
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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



#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

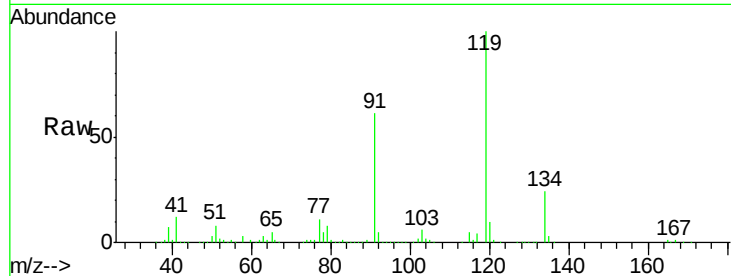




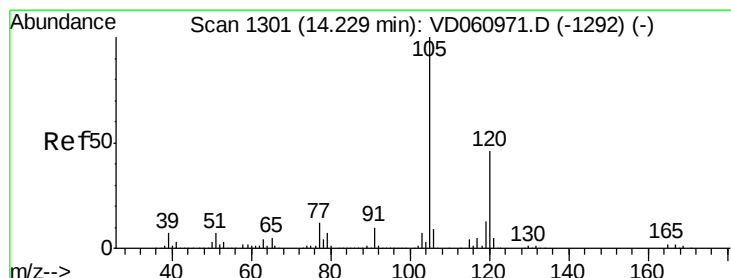
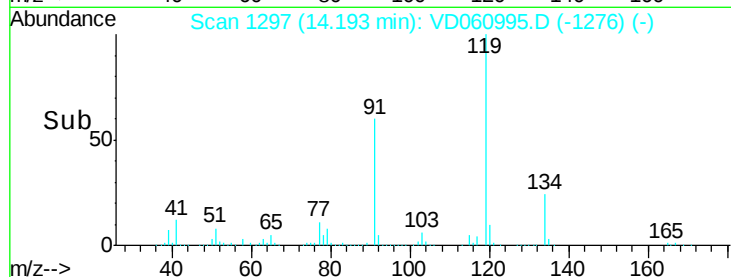
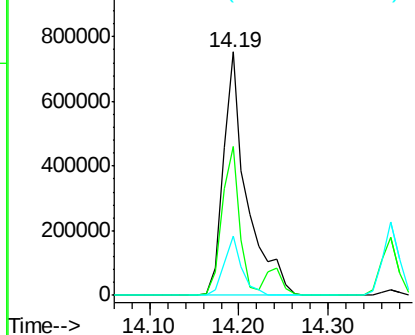
#83
 tert-Butylbenzene
 Concen: 51.199 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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

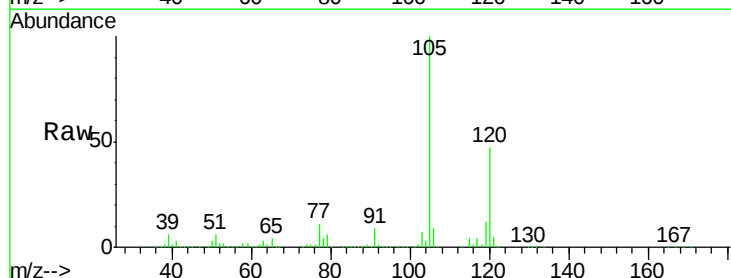


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

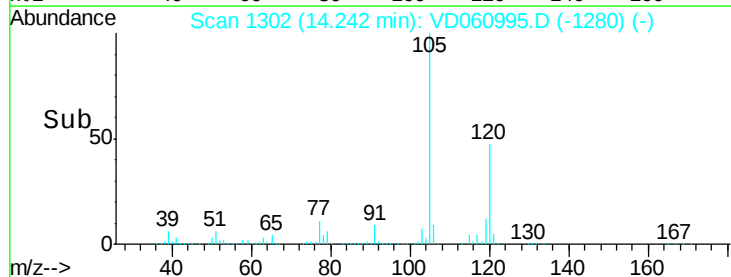
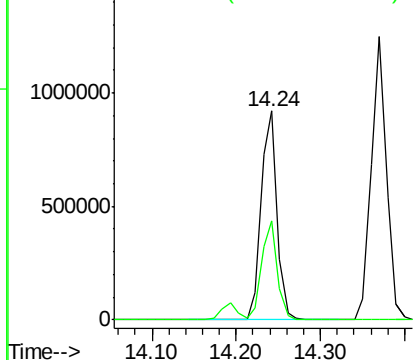


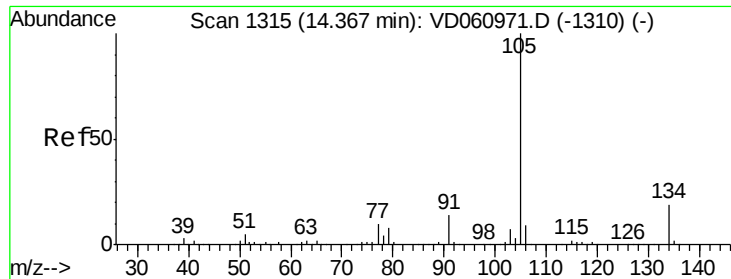
#84
 1,2,4-Trimethylbenzene
 Concen: 50.338 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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 :

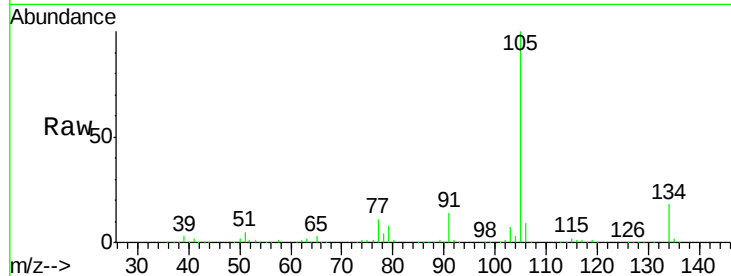
VSTDCCC050EC

Tot Ion:105 Resp: 1568170

Ion Ratio Lower Upper

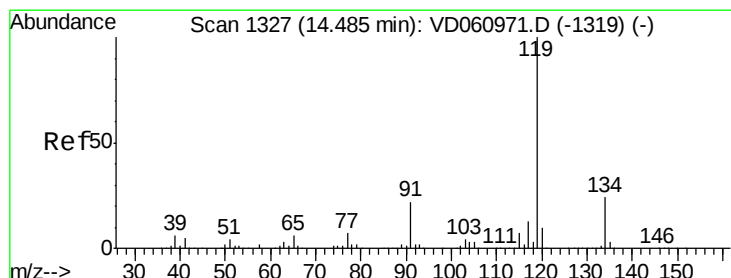
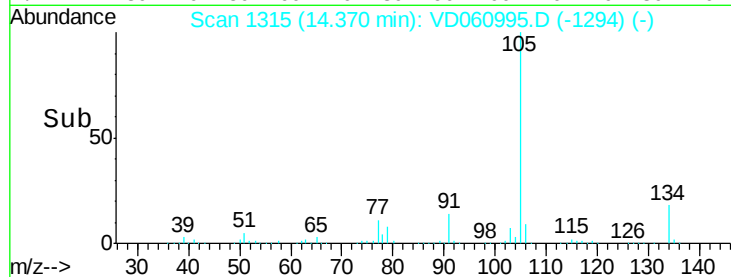
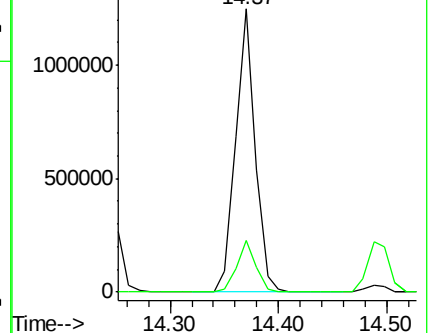
105 100

134 18.1 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#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

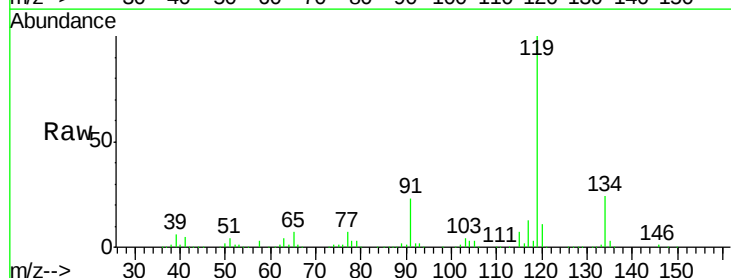
Tgt Ion:119 Resp: 1264815

Ion Ratio Lower Upper

119 100

134 24.0 12.0 36.1

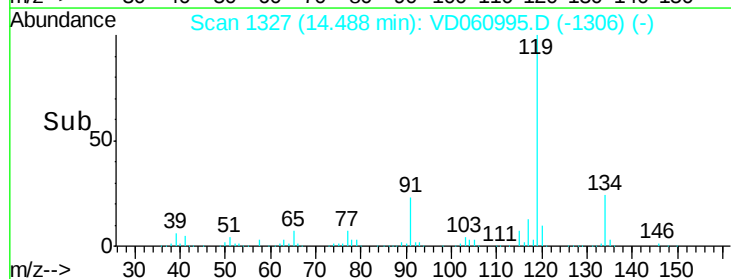
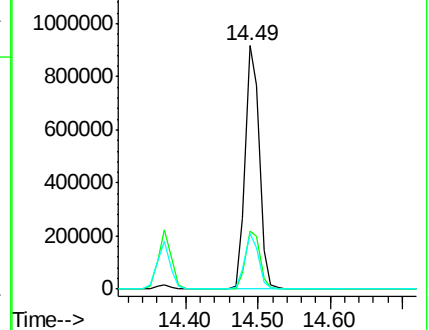
91 22.9 11.2 33.6

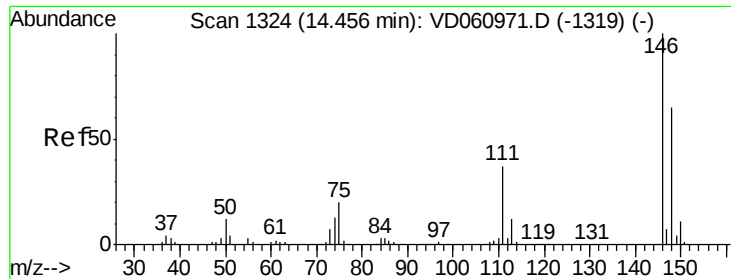


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

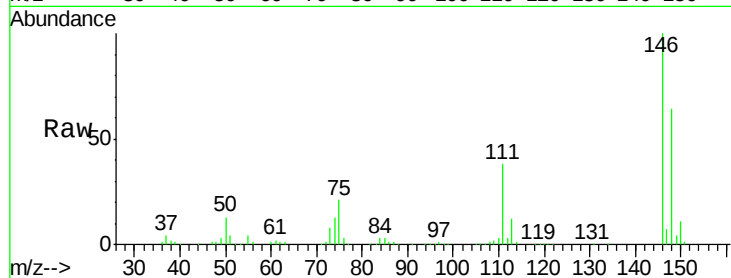




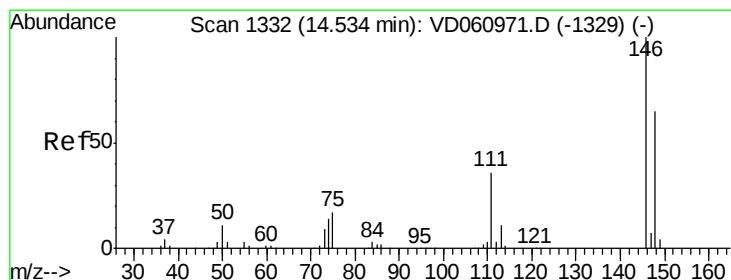
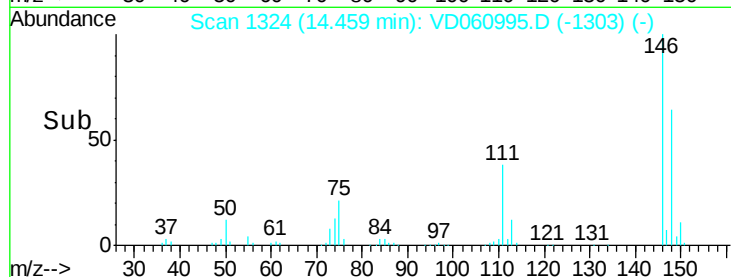
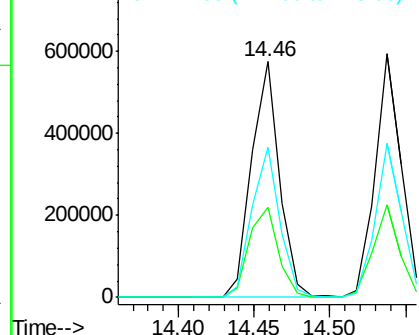
#87
 1,3-Dichlorobenzene
 Concen: 49.925 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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

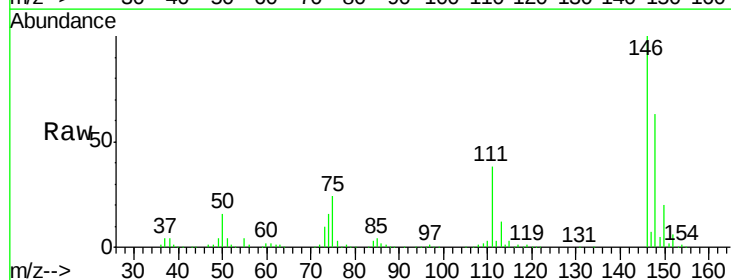


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

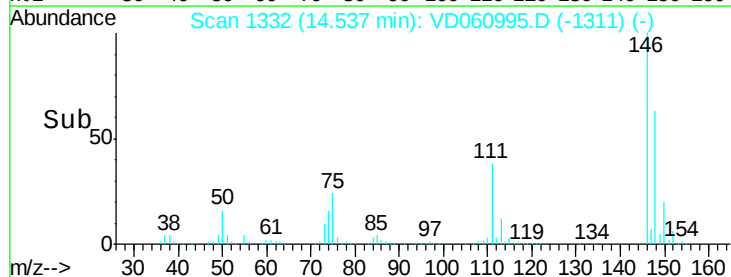
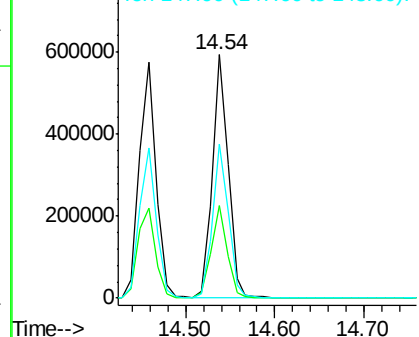


#88
 1,4-Dichlorobenzene
 Concen: 49.698 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

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

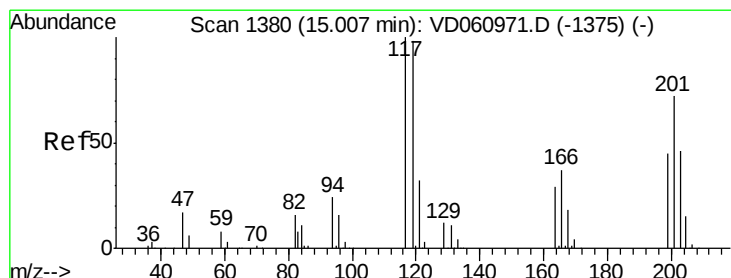
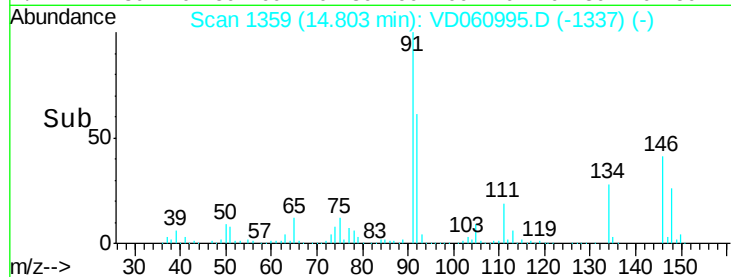
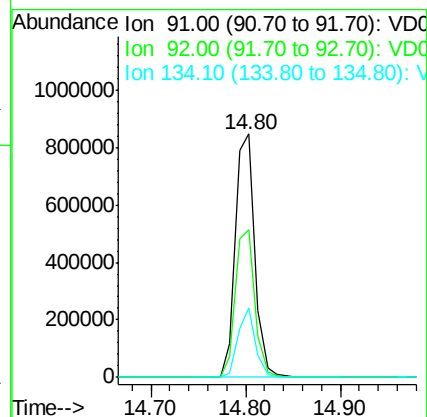
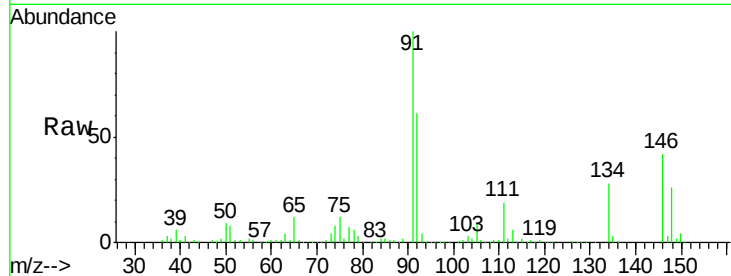
Tot Ion: 91 Resp: 1208935

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

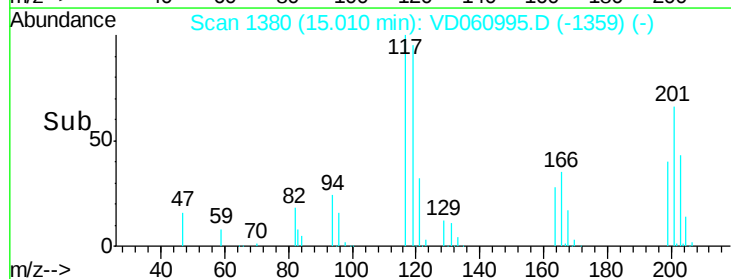
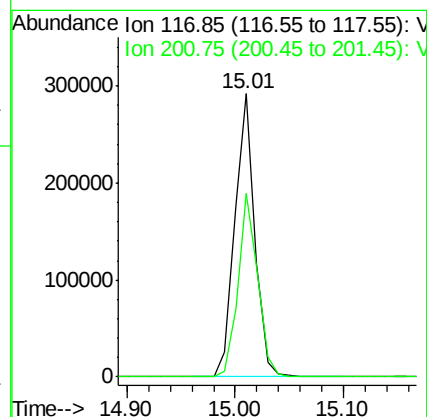
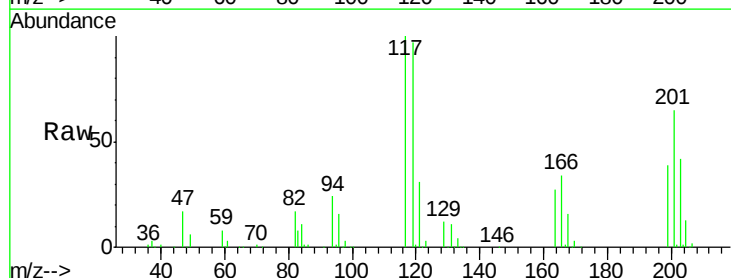
Acq: 8 Mar 2019 21:04

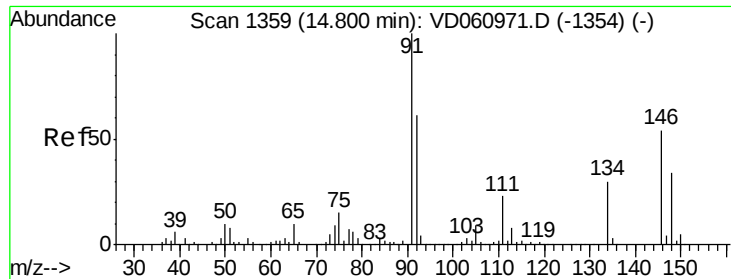
Tgt Ion: 117 Resp: 375594

Ion Ratio Lower Upper

117 100

201 64.8 36.2 108.6

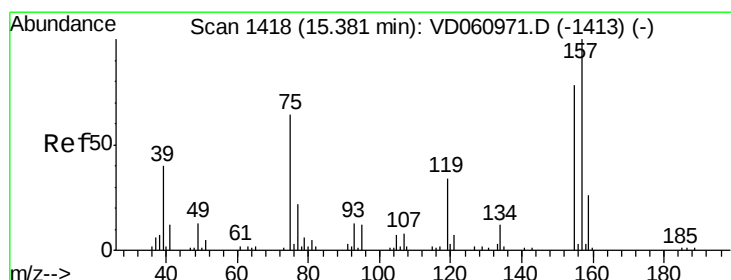
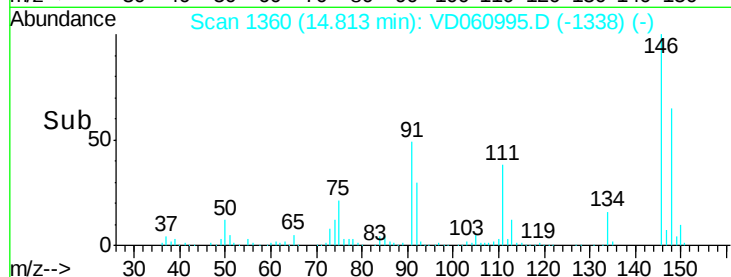
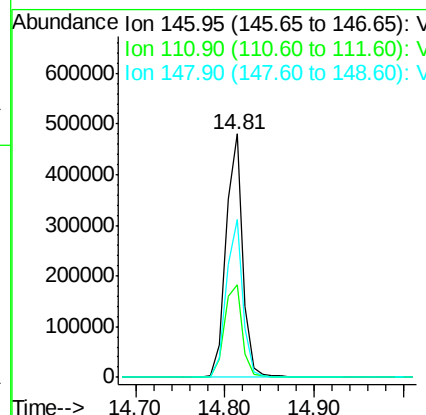
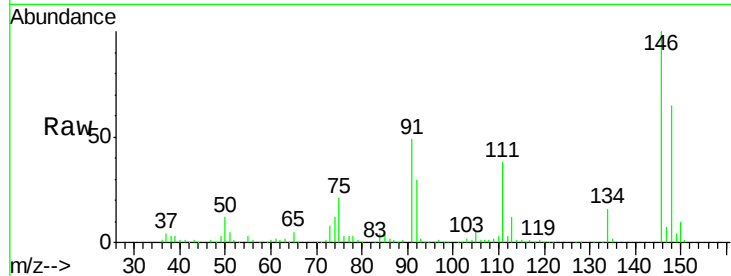




#91
 1,2-Dichlorobenzene
 Concen: 50.864 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

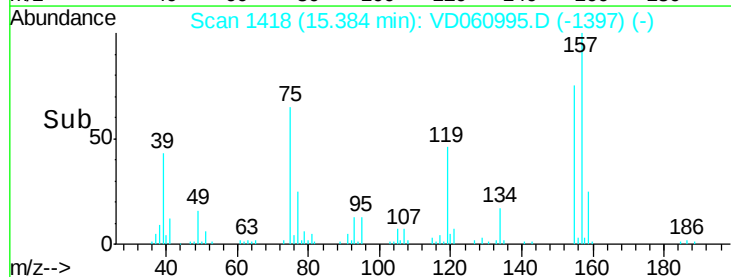
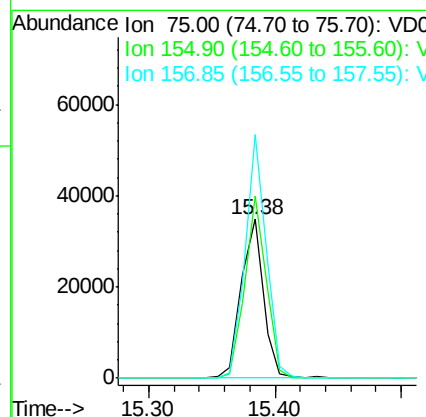
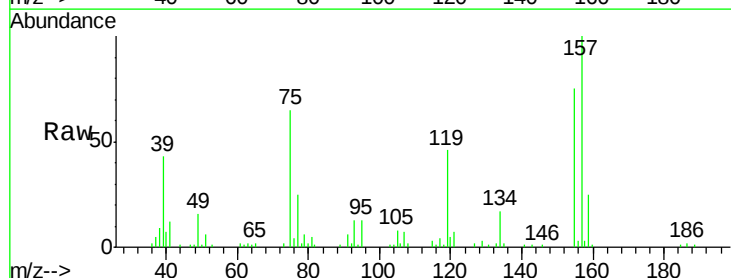
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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



#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

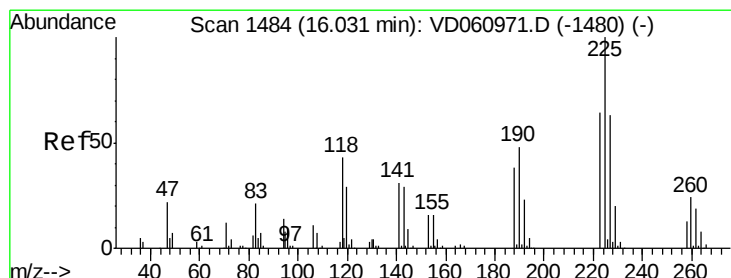
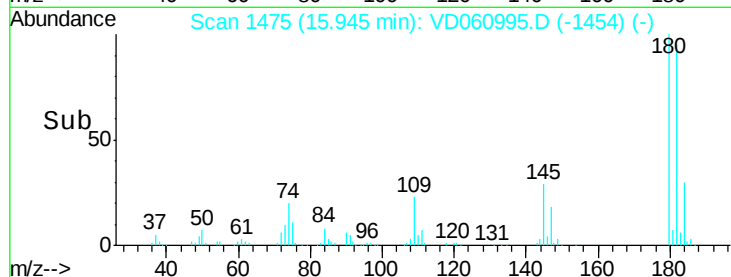
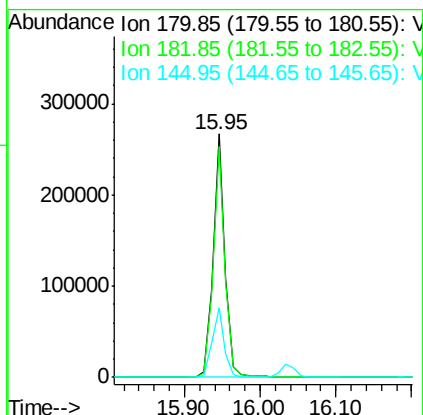
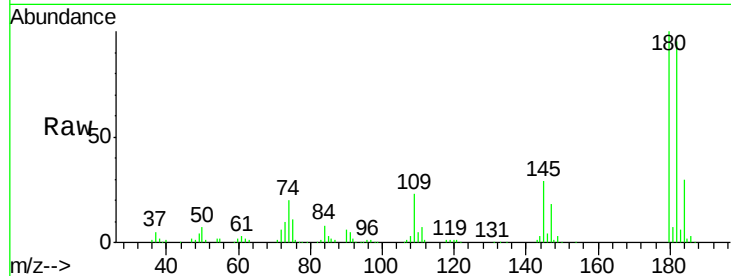




#93
 1,2,4-Trichlorobenzene
 Concen: 51.447 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060995.D
 Acq: 8 Mar 2019 21:04

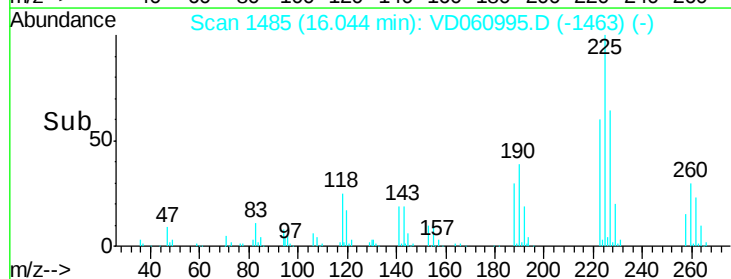
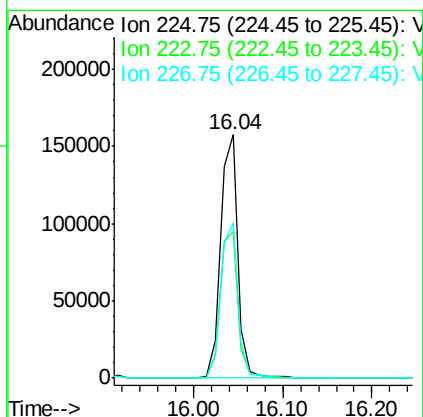
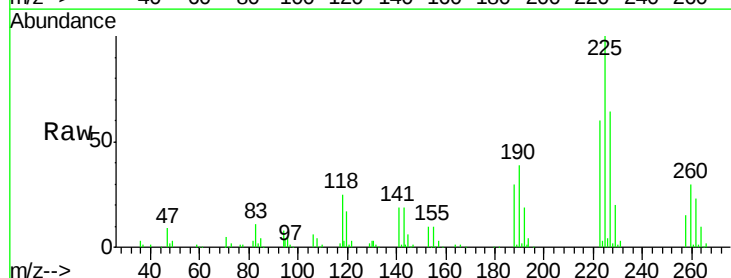
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

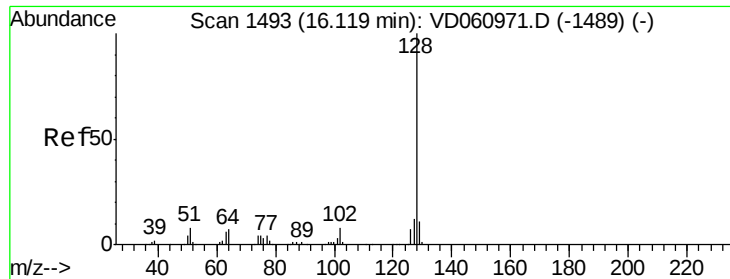
Tot Ion:180 Resp: 295275
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 28.6 14.4 43.0



#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

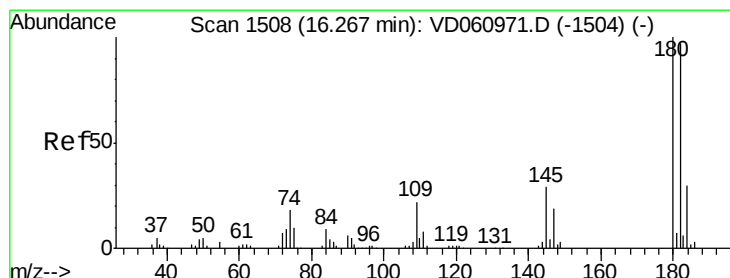
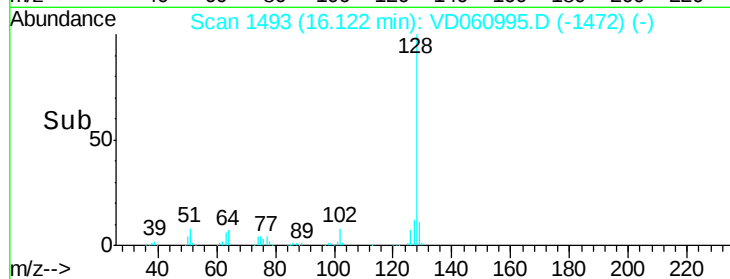
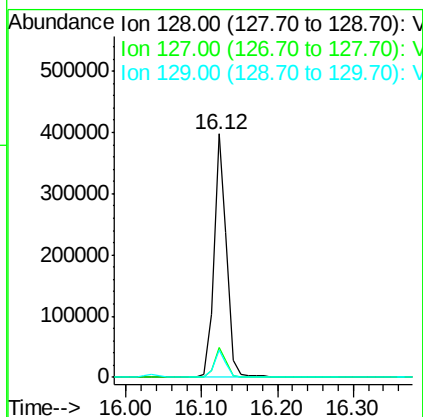
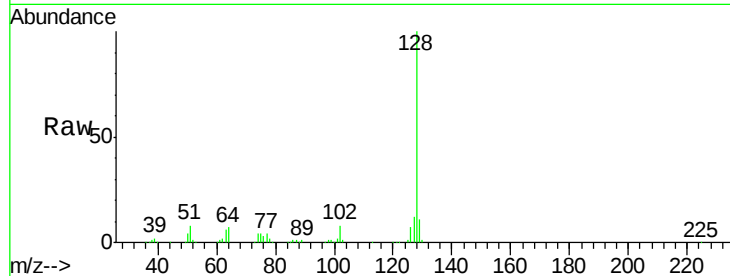




#95
Naphthalene
Concen: 53.431 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060995.D
Acq: 8 Mar 2019 21:04

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

