

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD030819\
 Data File : VD060976.D
 Acq On : 8 Mar 2019 10:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 08 23:30:49 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	7.04	168	792755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1363660	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1001459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	462917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	292484	44.32	ug/l	0.00
Spiked Amount						
			Recovery	=		88.64%
35) Dibromofluoromethane	6.91	113	481474	47.58	ug/l	-0.01
Spiked Amount						
			Recovery	=		95.16%
50) Toluene-d8	10.40	98	1161252	45.69	ug/l	0.00
Spiked Amount						
			Recovery	=		91.38%
62) 4-Bromofluorobenzene	13.55	95	466643	47.32	ug/l	0.00
Spiked Amount						
			Recovery	=		94.64%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	351206	44.724	ug/l	99
3) Chloromethane	1.77	50	292577	44.726	ug/l	99
4) Vinyl Chloride	1.86	62	290049	47.985	ug/l	95
5) Bromomethane	2.16	94	60453	58.341	ug/l	93
6) Chloroethane	2.28	64	94610	52.292	ug/l	95
7) Trichlorofluoromethane	2.54	101	415563	47.857	ug/l	97
8) Diethyl Ether	2.88	74	132723	46.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	450328	46.387	ug/l	99
10) Methyl Iodide	3.31	142	543920	41.231	ug/l	98
11) Tert butyl alcohol	4.05	59	103548	246.490	ug/l	97
12) 1,1-Dichloroethene	3.13	96	375108	47.138	ug/l	95
13) Acrolein	3.04	56	145787	239.847	ug/l	93
14) Allyl chloride	3.63	41	602974	47.358	ug/l	97
15) Acrylonitrile	4.19	53	329903	222.197	ug/l	97
16) Acetone	3.22	43	530852	281.324	ug/l	99
17) Carbon Disulfide	3.38	76	1268942	47.272	ug/l	99
18) Methyl Acetate	3.64	43	175075	47.145	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	648571	46.506	ug/l	96
20) Methylene Chloride	3.82	84	406137	46.916	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	416194	48.321	ug/l	97
22) Diisopropyl ether	5.11	45	1222288	46.245	ug/l	98
23) Vinyl Acetate	5.05	43	3125079	230.325	ug/l	99
24) 1,1-Dichloroethane	4.98	63	694447	47.954	ug/l	99
25) 2-Butanone	6.06	43	568030	265.286	ug/l	99
26) 2,2-Dichloropropane	6.02	77	567599	50.208	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	455338	49.827	ug/l	99
28) Bromochloromethane	6.43	49	283306	46.211	ug/l	99
29) Tetrahydrofuran	6.44	42	245012	210.732	ug/l	99
30) Chloroform	6.66	83	708418	47.200	ug/l	99
31) Cyclohexane	6.94	56	608716	52.130	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	633474	48.819	ug/l	99
36) 1,1-Dichloropropene	7.14	75	529769	45.069	ug/l	99
37) Ethyl Acetate	6.17	43	238500	43.238	ug/l	99
38) Carbon Tetrachloride	7.10	117	673872	52.045	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD030819\
 Data File : VD060976.D
 Acq On : 8 Mar 2019 10:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 08 23:30:49 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)
39) Methylcyclohexane	8.85	83	563820	46.258	ug/l	98
40) Benzene	7.45	78	1307442	44.514	ug/l	99
41) Methacrylonitrile	6.44	41	269844	42.531	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	390848	45.855	ug/l	100
43) Isopropyl Acetate	9.23	43	352620	46.155	ug/l #	98
44) Trichloroethene	8.53	130	492636	48.617	ug/l	96
45) 1,2-Dichloropropane	8.92	63	351995	45.615	ug/l	98
46) Dibromomethane	9.05	93	224267	45.817	ug/l	98
47) Bromodichloromethane	9.37	83	552346	50.006	ug/l	98
48) Methyl methacrylate	9.11	41	194471	45.210	ug/l	100
49) 1,4-Dioxane	9.07	88	39573	909.806	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	982527	209.925	ug/l	100
52) Toluene	10.50	92	861356	47.160	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	475928	47.121	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	585924	48.282	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	267520	43.982	ug/l	98
56) Ethyl methacrylate	11.03	69	299366	47.022	ug/l	99
57) 1,3-Dichloropropane	11.39	76	416307	45.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	726421	215.557	ug/l	99
59) 2-Hexanone	11.52	43	755198	220.581	ug/l	99
60) Dibromochloromethane	11.68	129	448012	50.048	ug/l	100
61) 1,2-Dibromoethane	11.80	107	304091	42.977	ug/l	97
64) Tetrachloroethene	11.25	164	353476	52.287	ug/l	100
65) Chlorobenzene	12.39	112	921042	46.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	377249	53.907	ug/l	100
67) Ethyl Benzene	12.52	91	1565043	53.545	ug/l	99
68) m/p-Xylenes	12.66	106	1285117	112.022	ug/l	100
69) o-Xylene	13.04	106	560500	49.705	ug/l	98
70) Styrene	13.07	104	868729	47.179	ug/l	98
71) Bromoform	13.22	173	225358	49.918	ug/l	97
73) Isopropylbenzene	13.39	105	1578038	47.301	ug/l	98
74) N-amyl acetate	13.25	43	440049	46.845	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	315821	48.521	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	304102	45.662	ug/l	99
77) Bromobenzene	13.66	156	416751	48.936	ug/l	84
78) n-propylbenzene	13.77	91	1802270	46.146	ug/l	97
79) 2-Chlorotoluene	13.83	91	1061739	49.379	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	1270982	50.183	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	99973	50.916	ug/l	98
82) 4-Chlorotoluene	13.94	91	1151450	45.298	ug/l	96
83) tert-Butylbenzene	14.18	119	1514701	54.648	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1270982	50.183	ug/l	100
85) sec-Butylbenzene	14.36	105	1750437	51.731	ug/l	96
86) p-Isopropyltoluene	14.48	119	1337699	48.365	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	774846	50.953	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	704855	47.168	ug/l	98
89) n-Butylbenzene	14.79	91	1204550	45.350	ug/l	98
90) Hexachloroethane	15.00	117	394330	50.490	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	607766	47.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	36039	45.947	ug/l	78

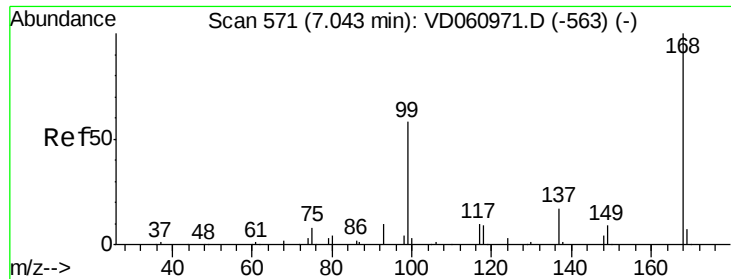
Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD030819\
Data File : VD060976.D
Acq On : 8 Mar 2019 10:33
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Mar 08 23:30:49 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)
93) 1,2,4-Trichlorobenzene	15.94	180	314313	53.445	ug/l	97
94) Hexachlorobutadiene	16.03	225	220747	49.625	ug/l	97
95) Naphthalene	16.12	128	442837	49.551	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	140389	48.332	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

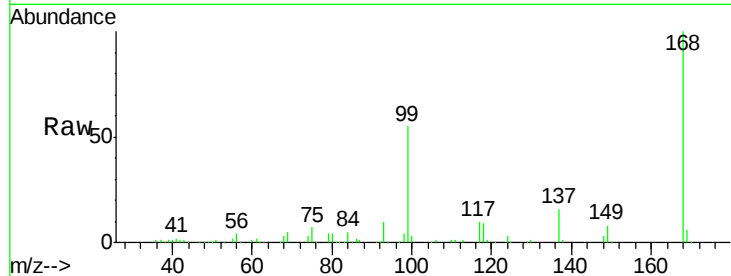
VSTDCCC050

Tot Ion:168 Resp: 792755

Ion Ratio Lower Upper

168 100

99 55.0 47.3 70.9

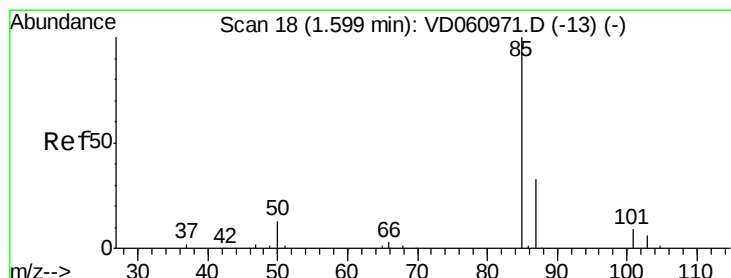
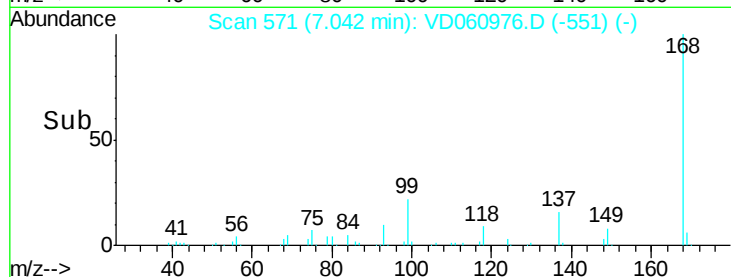


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

Time-->



#2

Dichlorodifluoromethane

Concen: 44.724 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060976.D

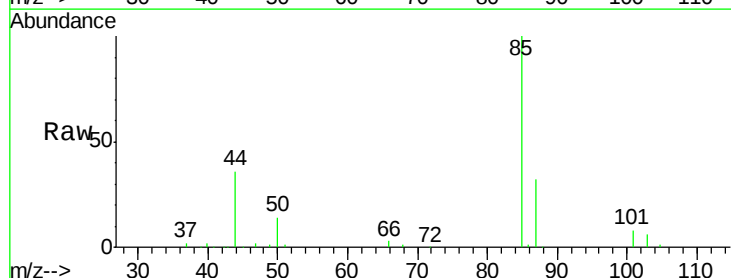
Acq: 8 Mar 2019 10:33

Tgt Ion: 85 Resp: 351206

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4

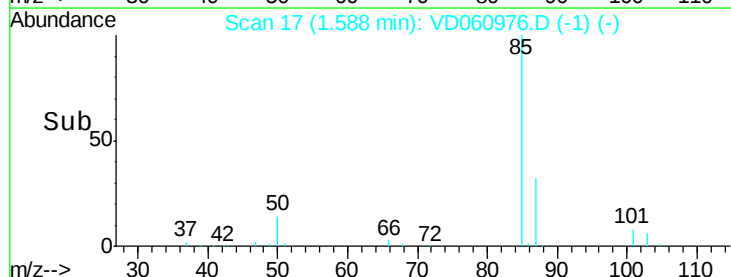


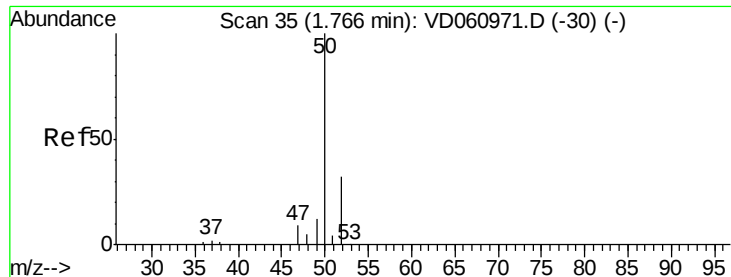
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

Time-->





#3

Chloromethane

Concen: 44.726 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

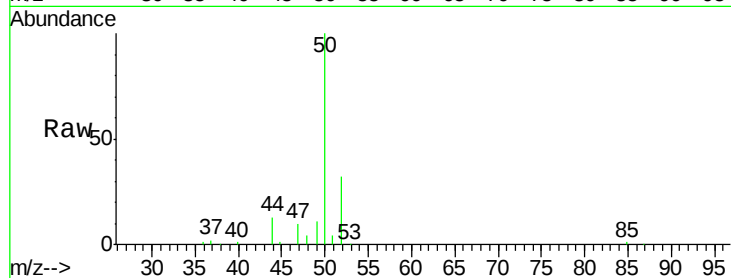
VSTDCCC050

Tot Ion: 50 Resp: 292577

Ion Ratio Lower Upper

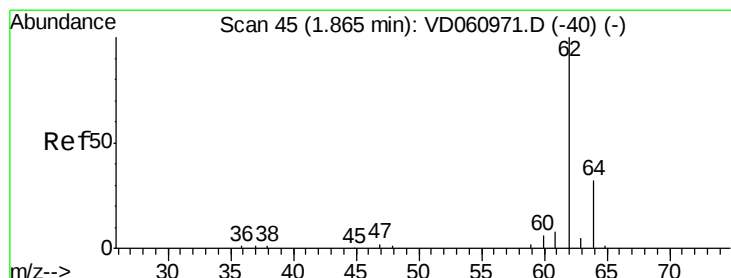
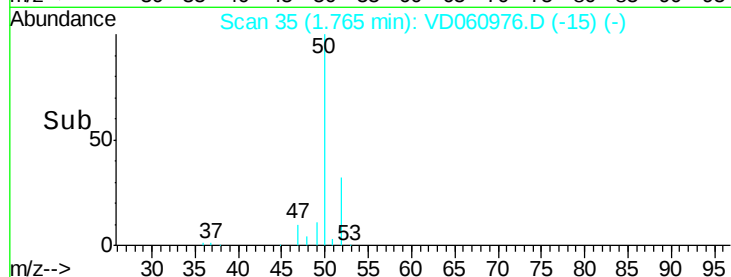
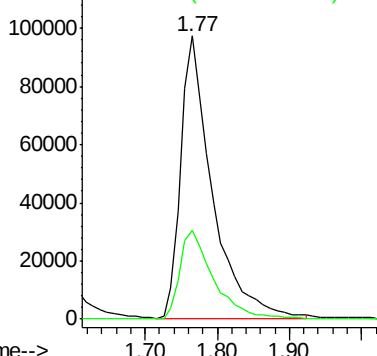
50 100

52 31.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.985 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD060976.D

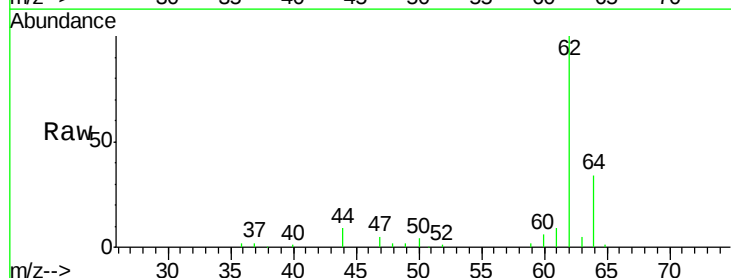
Acq: 8 Mar 2019 10:33

Tgt Ion: 62 Resp: 290049

Ion Ratio Lower Upper

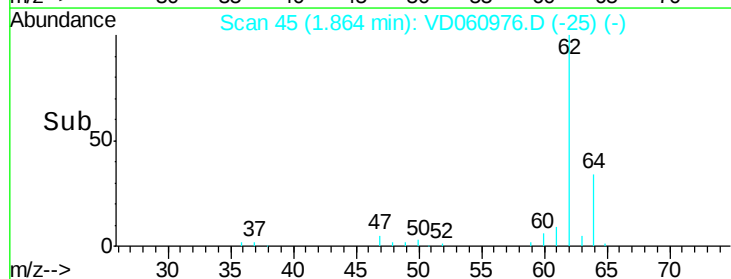
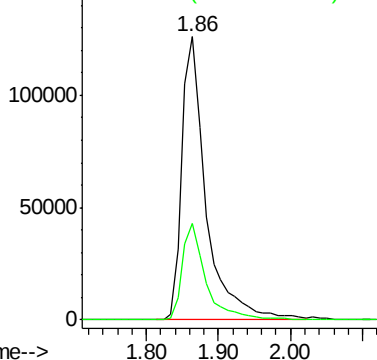
62 100

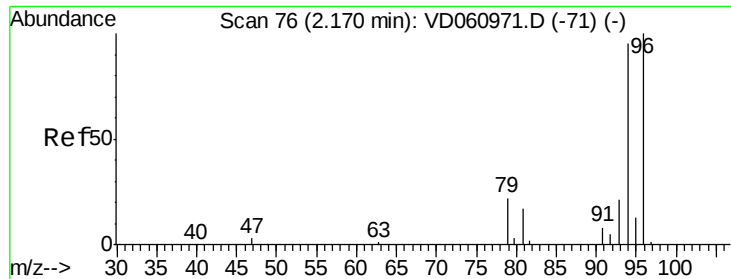
64 34.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.341 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

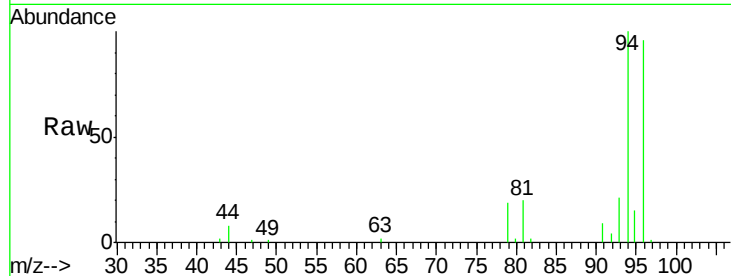
Tot Ion: 94 Resp: 60453

Ion Ratio Lower Upper

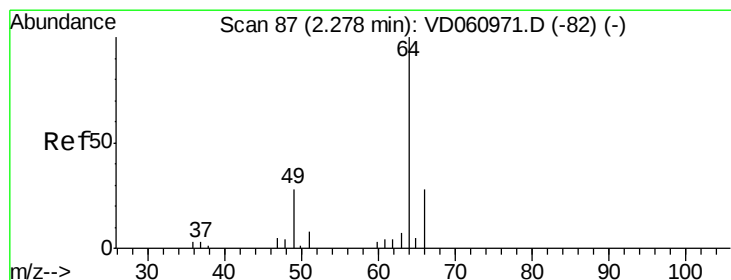
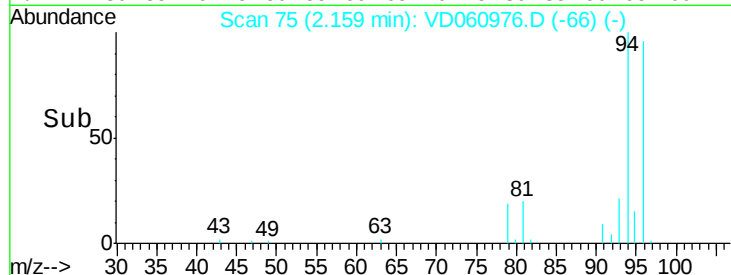
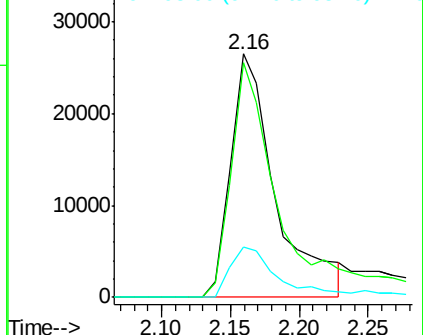
94 100

96 96.3 84.0 126.0

93 20.9 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: 52.292 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD060976.D

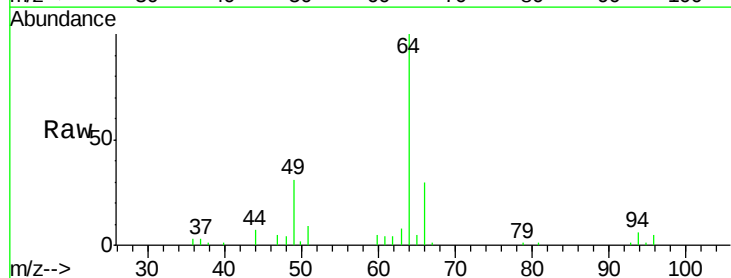
Acq: 8 Mar 2019 10:33

Tgt Ion: 64 Resp: 94610

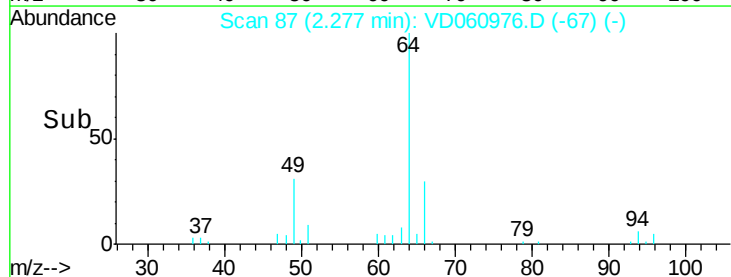
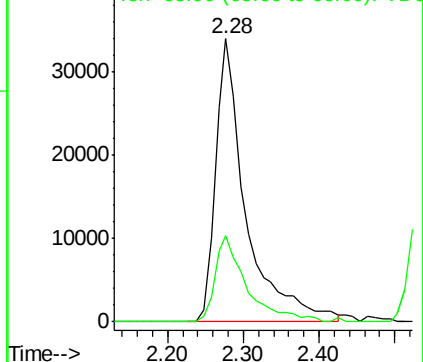
Ion Ratio Lower Upper

64 100

66 30.4 22.2 33.2



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



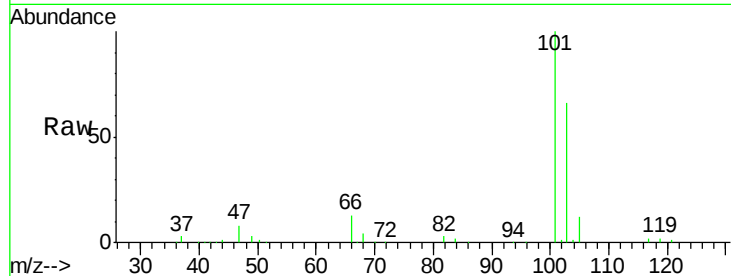


#7

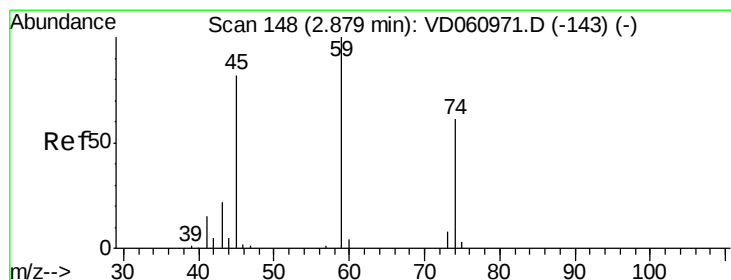
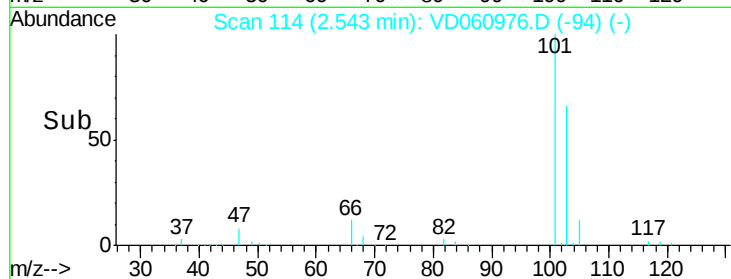
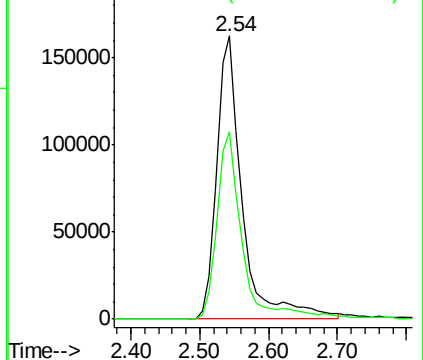
Trichlorofluoromethane
 Concen: 47.857 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 415563
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.2 76.8



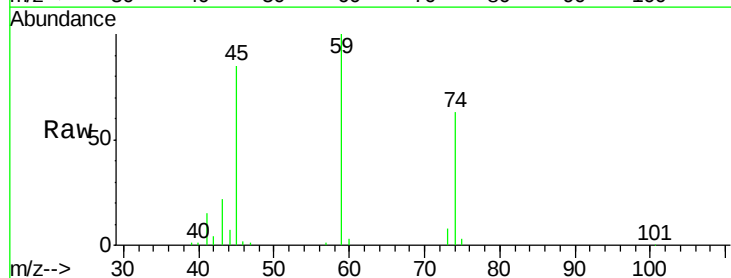
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



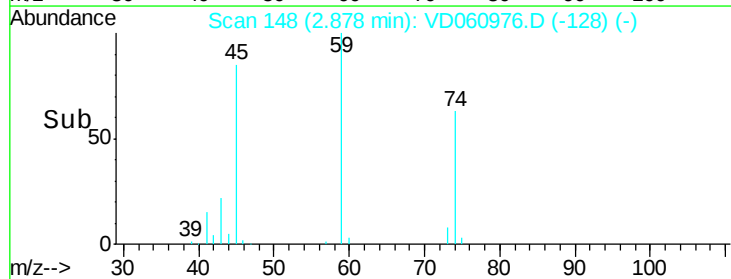
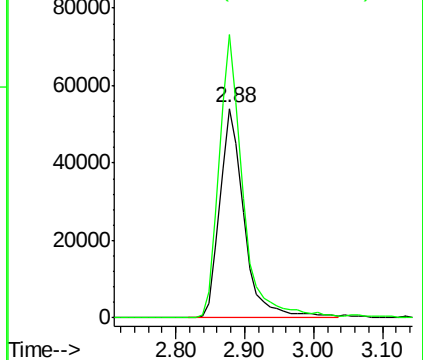
#8

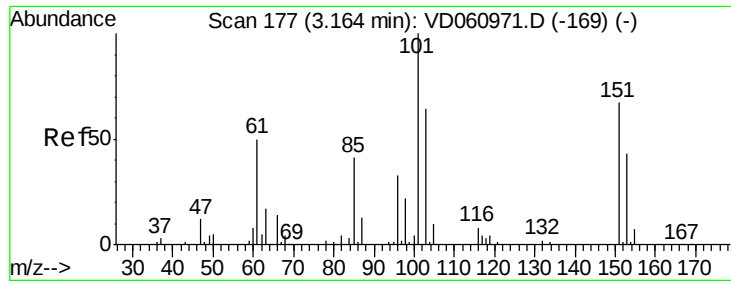
Diethyl Ether
 Concen: 46.332 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 74 Resp: 132723
 Ion Ratio Lower Upper
 74 100
 45 135.3 67.0 201.1



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

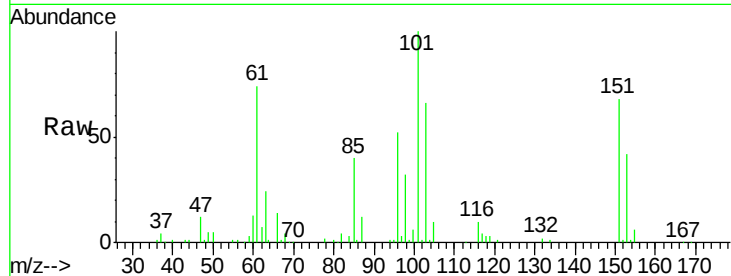




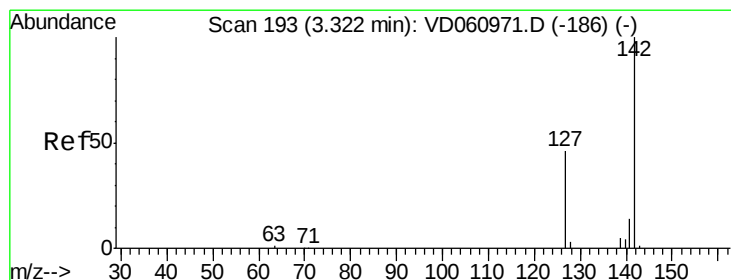
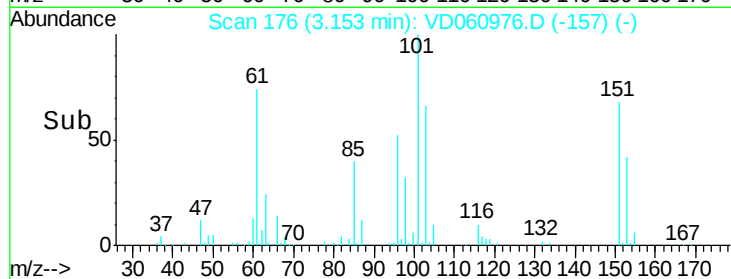
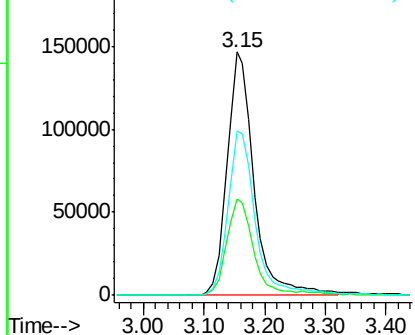
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.387 ug/l
RT: 3.15 min Scan# 176
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 450328
Ion Ratio Lower Upper
101 100
85 39.6 32.5 48.7
151 67.6 53.3 79.9

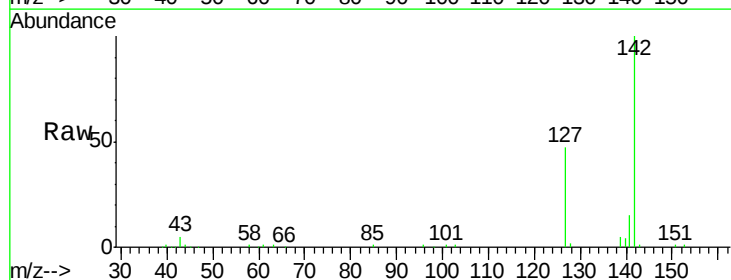


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

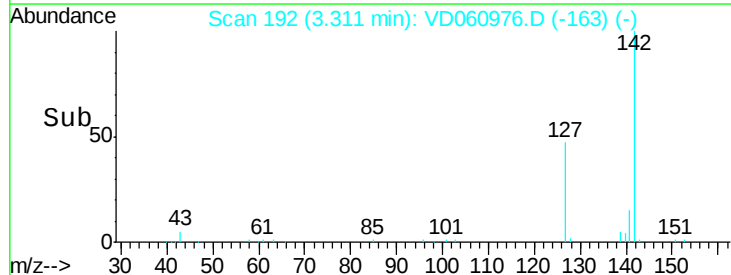
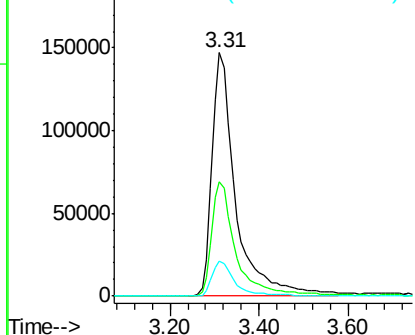


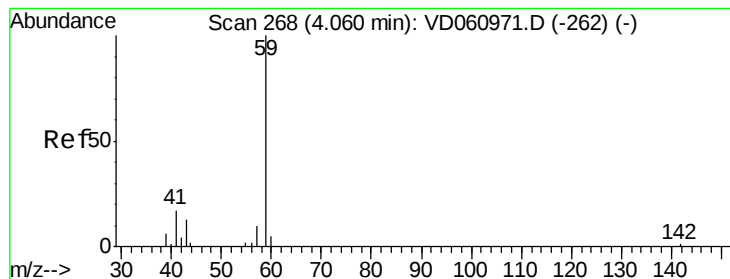
#10
Methyl Iodide
Concen: 41.231 ug/l
RT: 3.31 min Scan# 192
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion:142 Resp: 543920
Ion Ratio Lower Upper
142 100
127 47.0 36.8 55.2
141 14.6 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



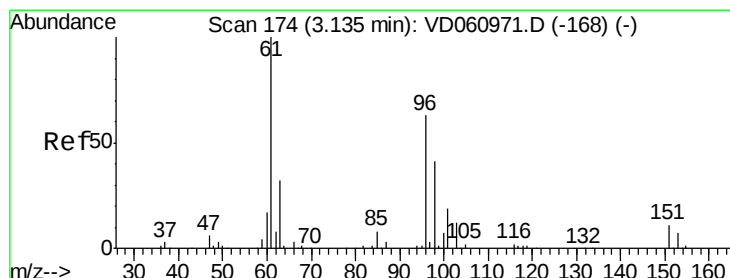
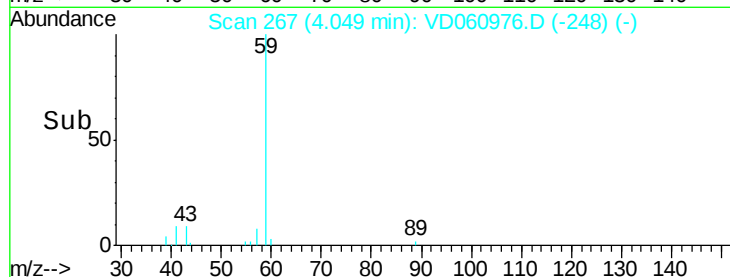
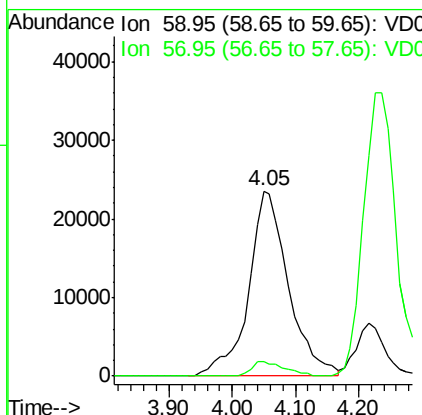
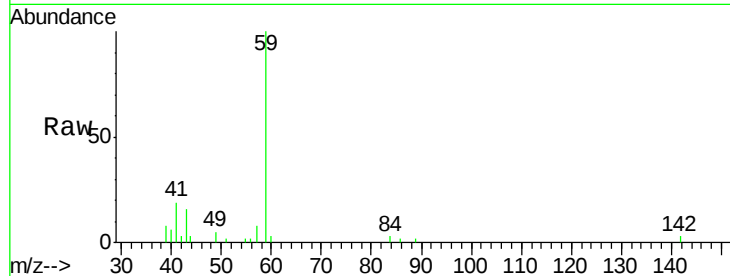


#11

Tert butyl alcohol
Concen: 246.490 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

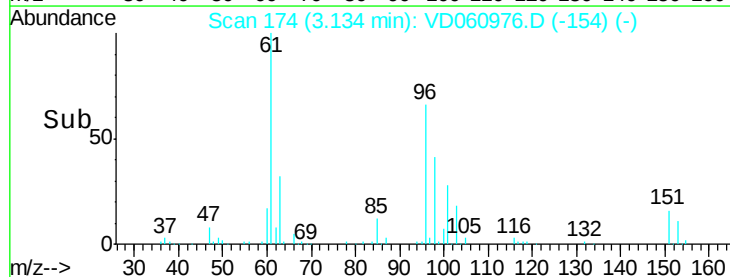
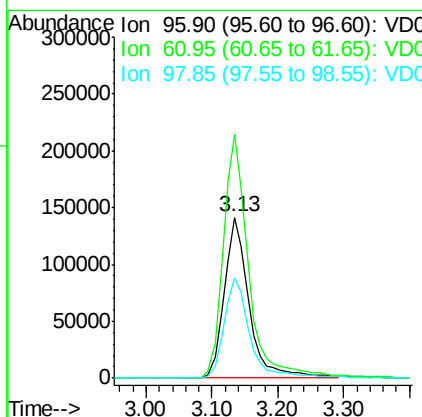
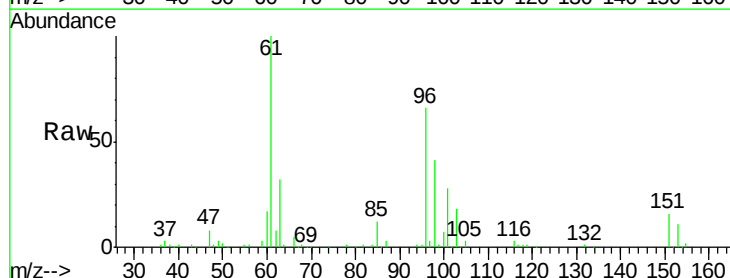
Tot Ion: 59 Resp: 103548
Ion Ratio Lower Upper
59 100
57 7.8 7.1 10.7

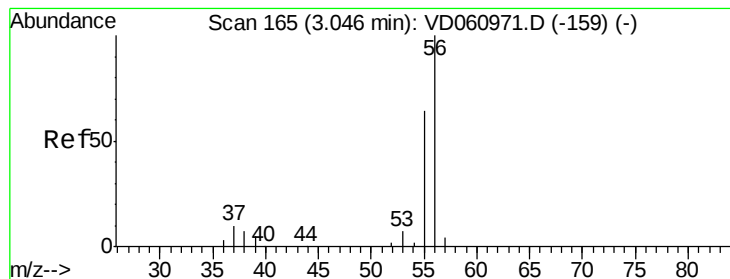


#12

1,1-Dichloroethene
Concen: 47.138 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 96 Resp: 375108
Ion Ratio Lower Upper
96 100
61 151.3 127.1 190.7
98 62.1 51.5 77.3





#13

Acrolein

Concen: 239.847 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

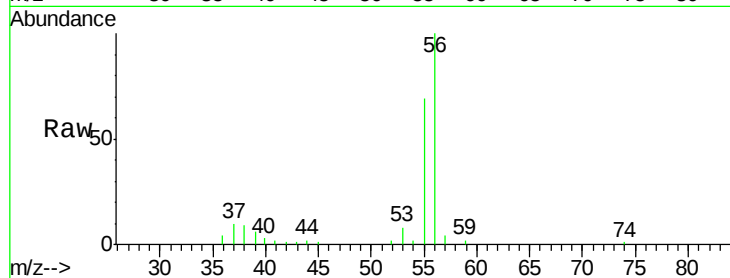
VSTDCCC050

Tot Ion: 56 Resp: 145787

Ion Ratio Lower Upper

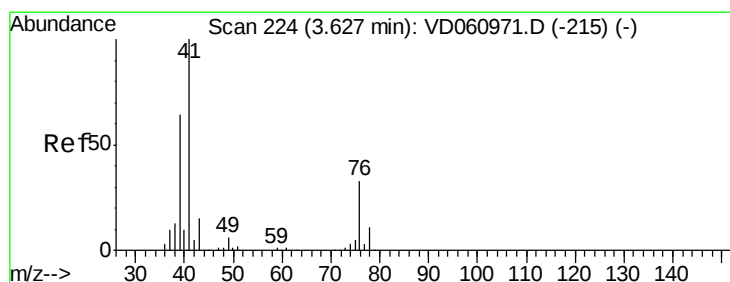
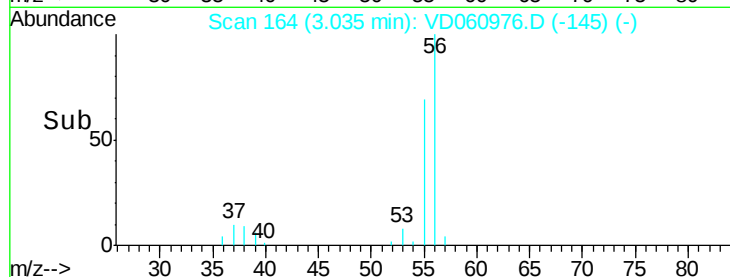
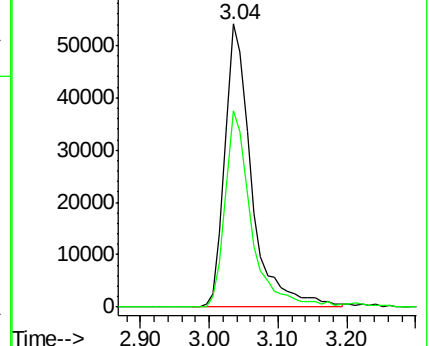
56 100

55 69.2 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: 47.358 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

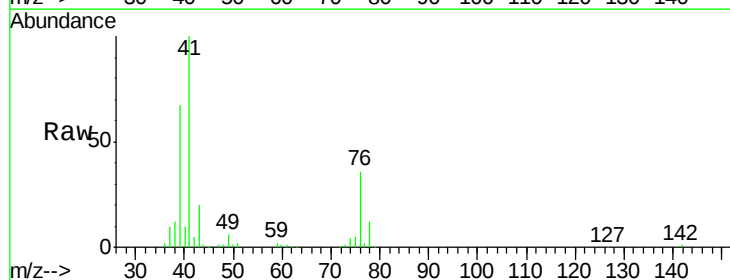
Tgt Ion: 41 Resp: 602974

Ion Ratio Lower Upper

41 100

39 66.5 51.1 76.7

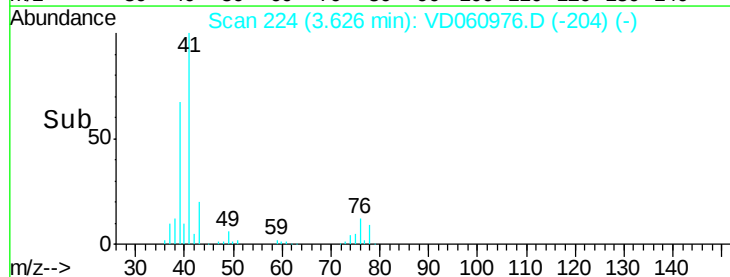
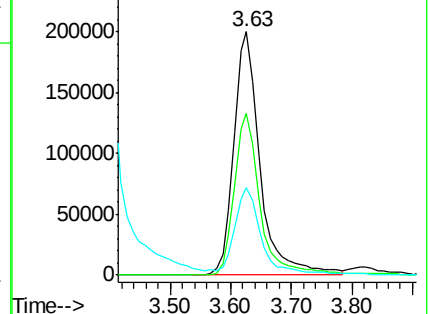
76 35.8 29.1 43.7



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: 222.197 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

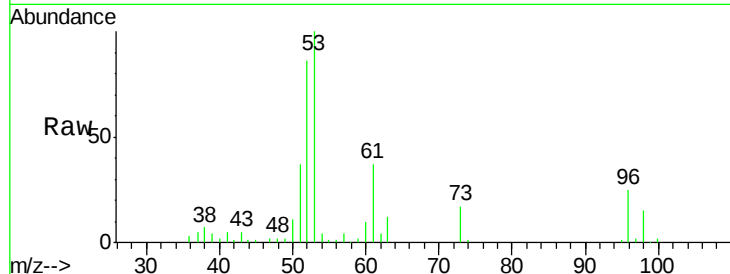
Tot Ion: 53 Resp: 329903

Ion Ratio Lower Upper

53 100

52 85.9 70.2 105.4

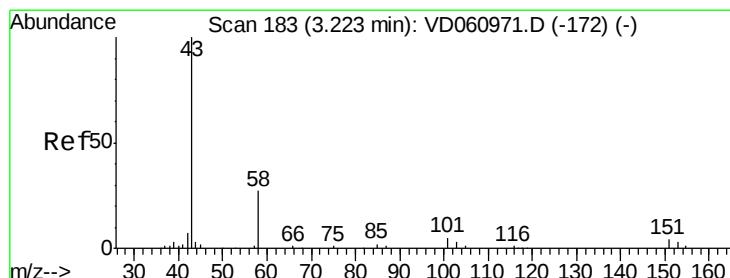
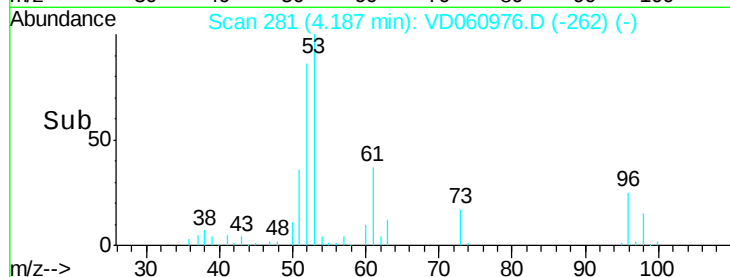
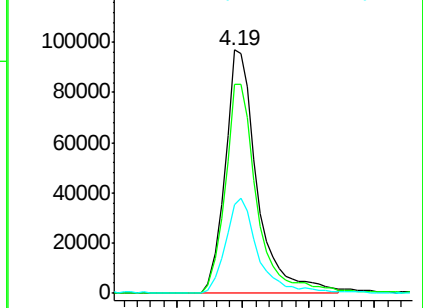
51 36.7 31.7 47.5



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: 281.324 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060976.D

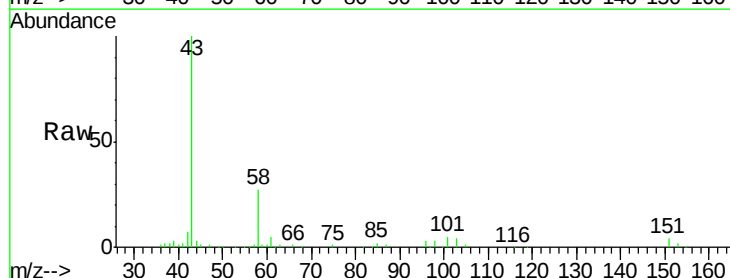
Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 530852

Ion Ratio Lower Upper

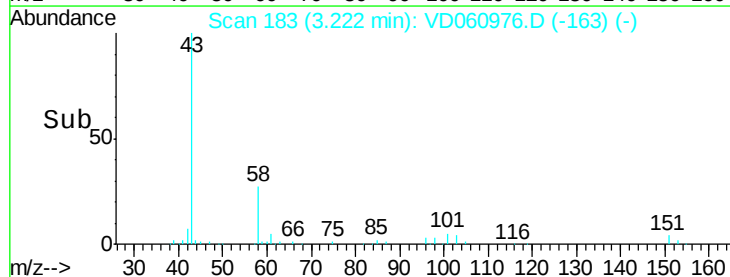
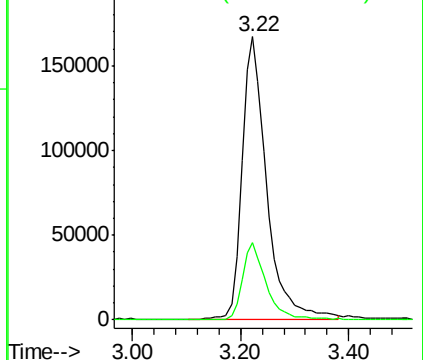
43 100

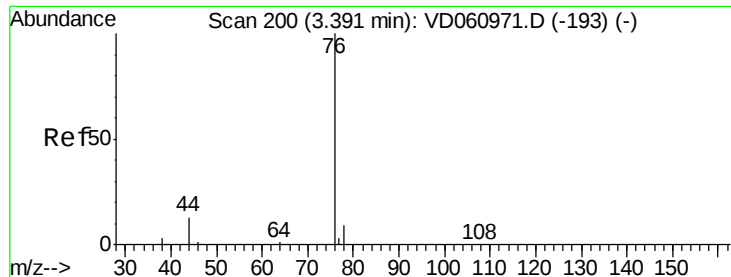
58 27.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.272 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

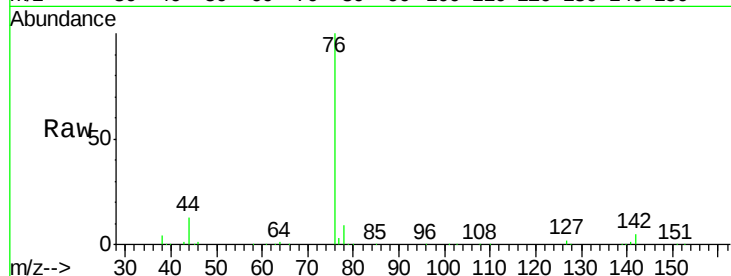
VSTDCCC050

Tot Ion: 76 Resp: 1268942

Ion Ratio Lower Upper

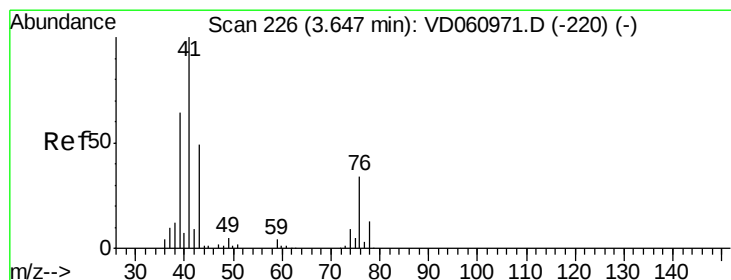
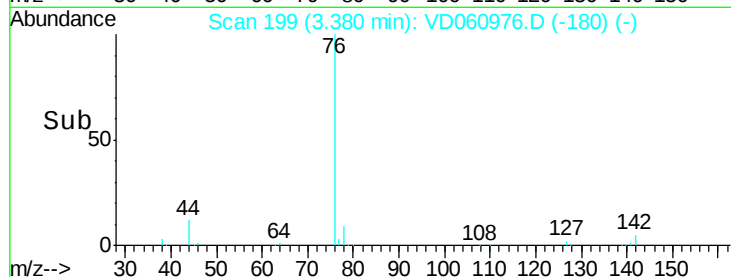
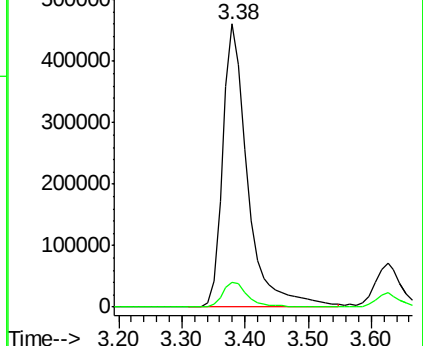
76 100

78 8.9 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: 47.145 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060976.D

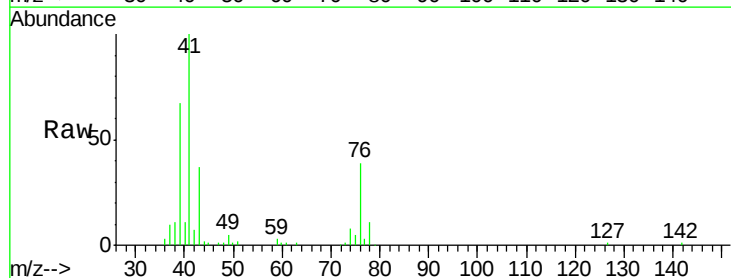
Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 175075

Ion Ratio Lower Upper

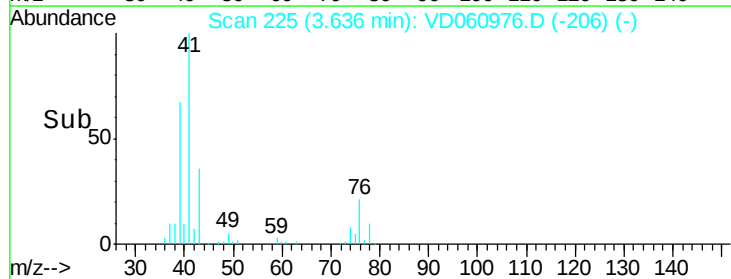
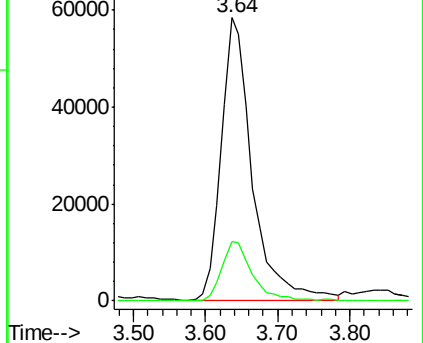
43 100

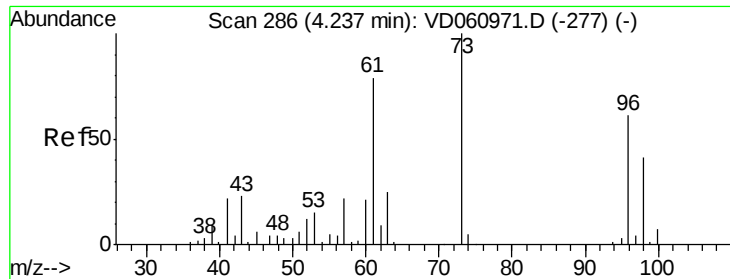
74 21.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

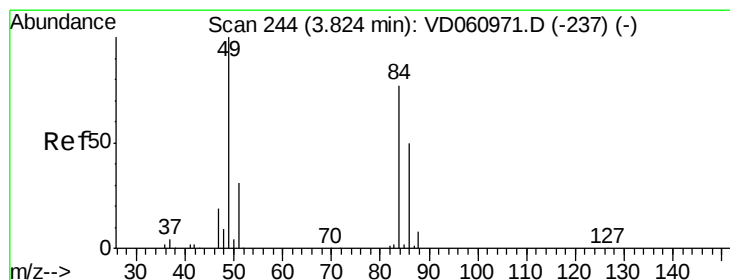
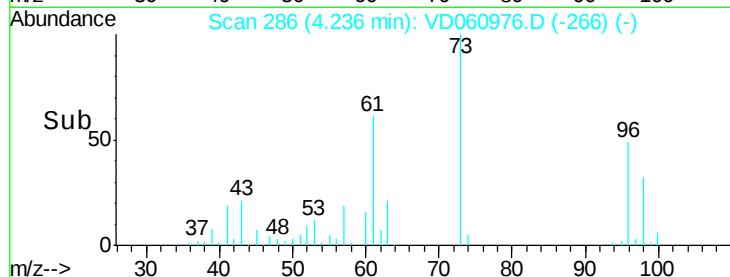
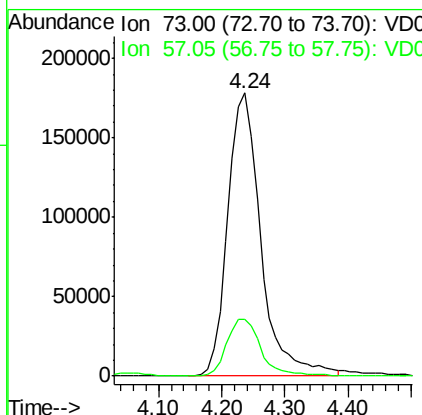
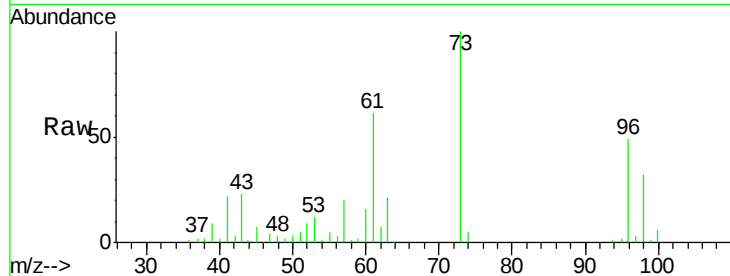




#19
Methyl tert-butyl Ether
Concen: 46.506 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

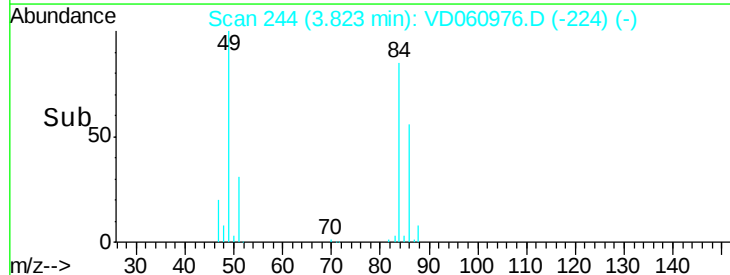
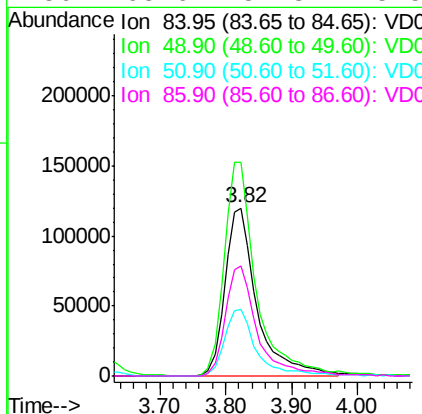
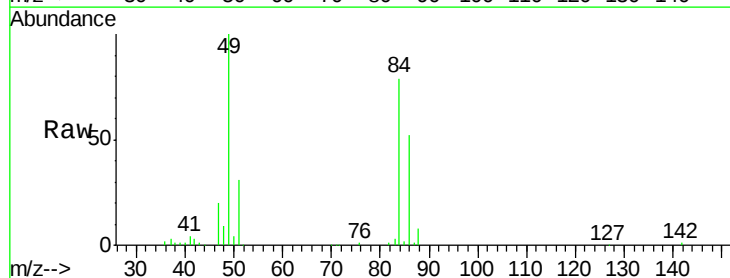
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

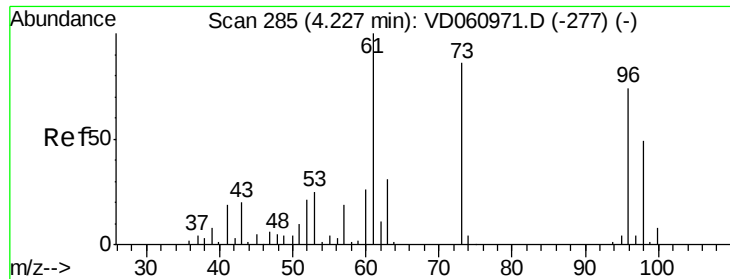
Tot Ion: 73 Resp: 648571
Ion Ratio Lower Upper
73 100
57 20.2 17.7 26.5



#20
Methylene Chloride
Concen: 46.916 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 84 Resp: 406137
Ion Ratio Lower Upper
84 100
49 127.3 104.2 156.2
51 39.6 32.3 48.5
86 65.6 52.3 78.5

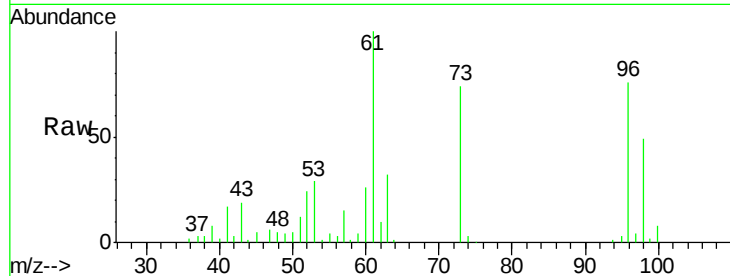




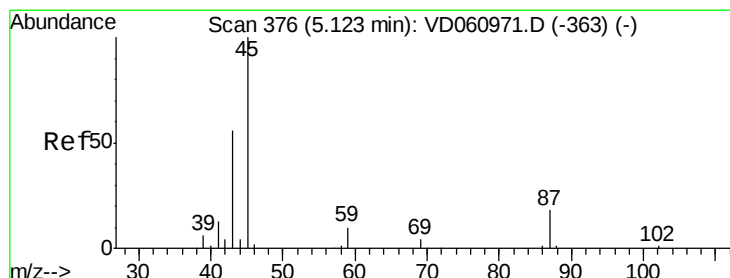
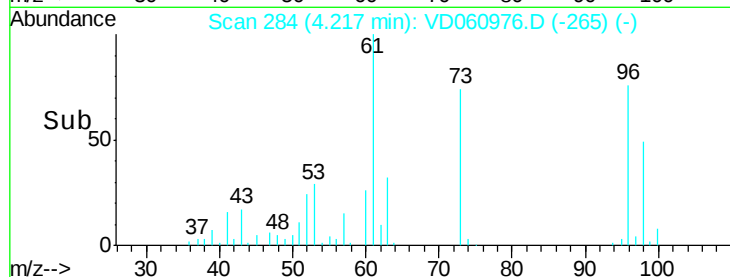
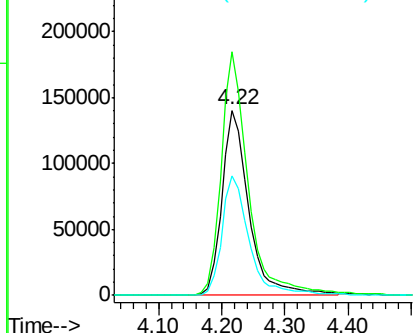
#21
trans-1,2-Dichloroethene
Concen: 48.321 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 416194
Ion Ratio Lower Upper
96 100
61 131.7 108.4 162.6
98 64.8 53.0 79.4

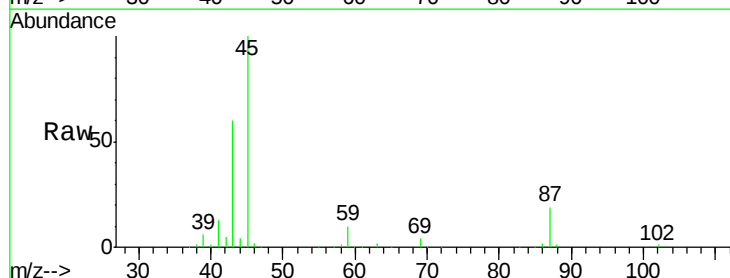


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

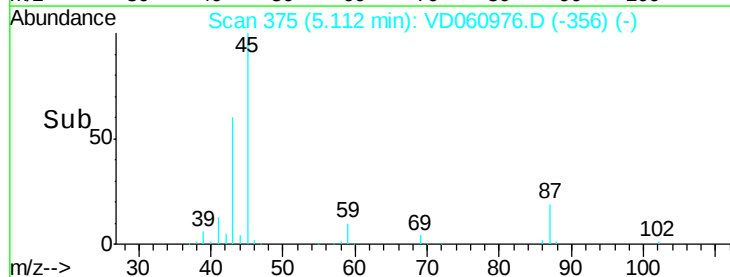
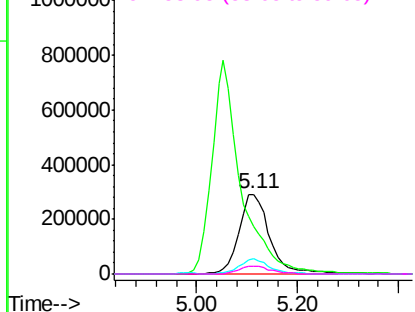


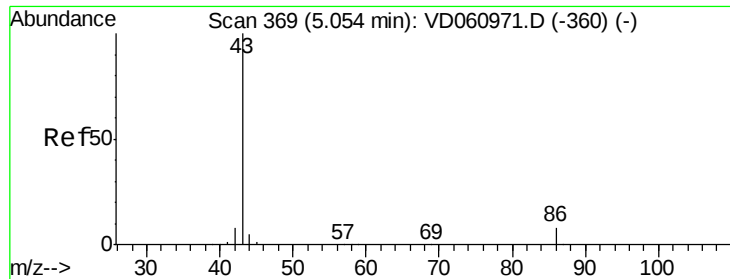
#22
Diisopropyl ether
Concen: 46.245 ug/l
RT: 5.11 min Scan# 375
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 45 Resp: 1222288
Ion Ratio Lower Upper
45 100
43 59.6 45.8 68.8
87 19.2 14.9 22.3
59 10.0 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: 230.325 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

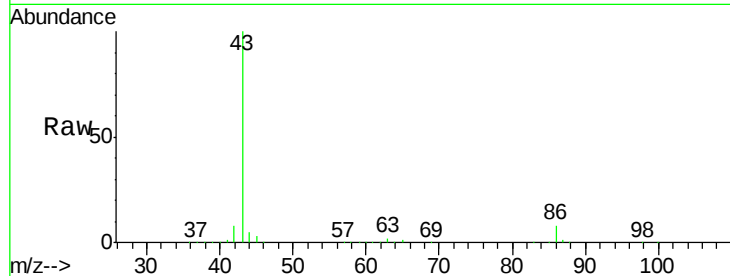
VSTDCCC050

Tot Ion: 43 Resp: 3125079

Ion Ratio Lower Upper

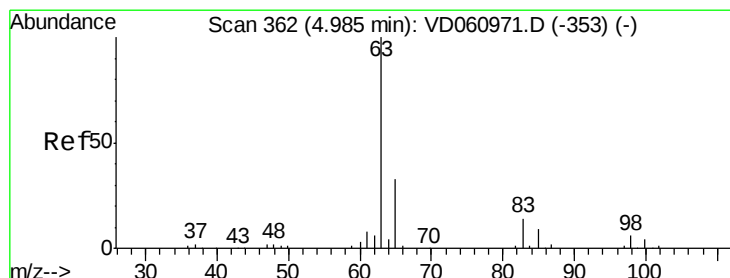
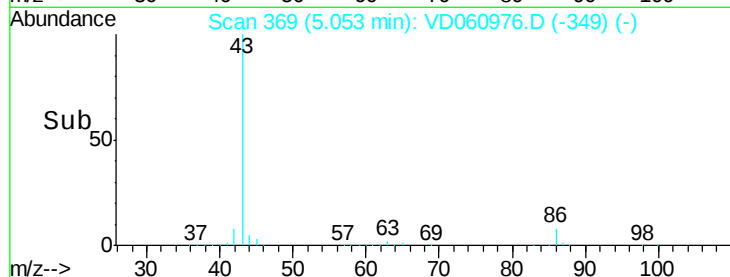
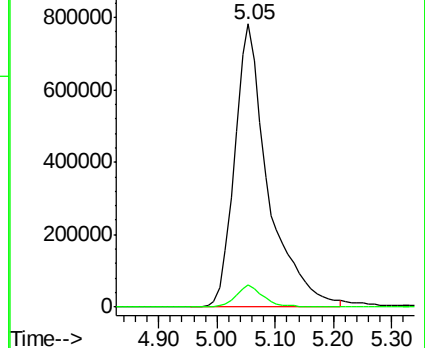
43 100

86 8.0 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: 47.954 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

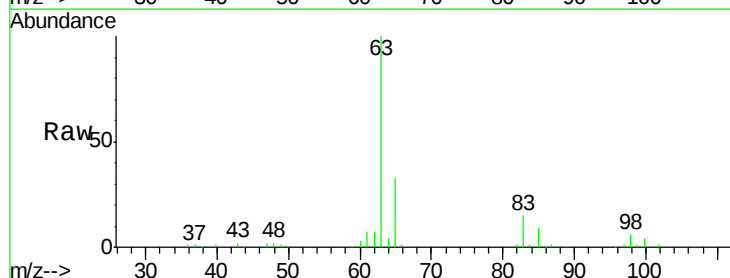
Tgt Ion: 63 Resp: 694447

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

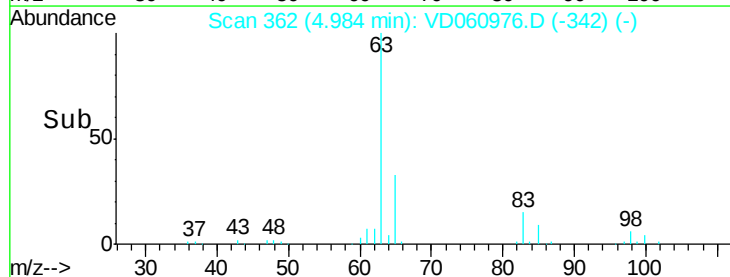
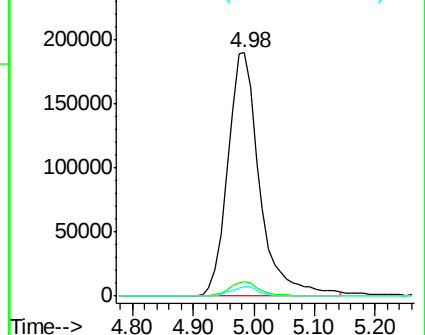
100 3.9 2.0 5.8

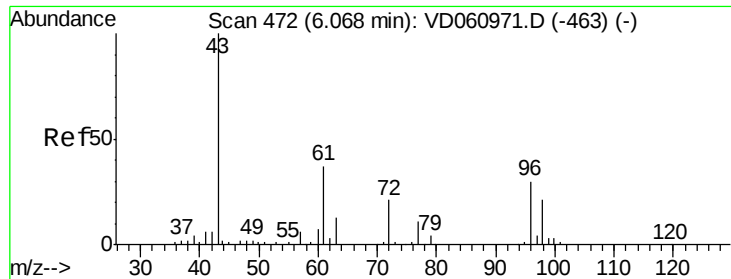


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.286 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

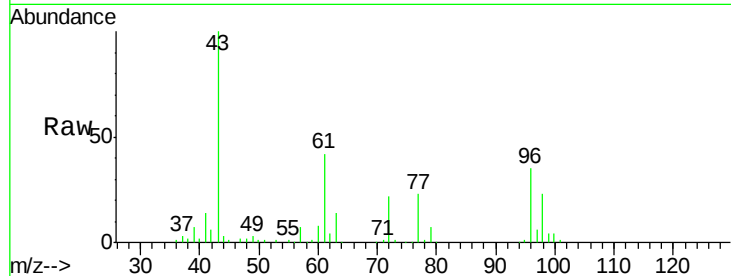
VSTDCCC050

Tot Ion: 43 Resp: 568030

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

200000

150000

100000

50000

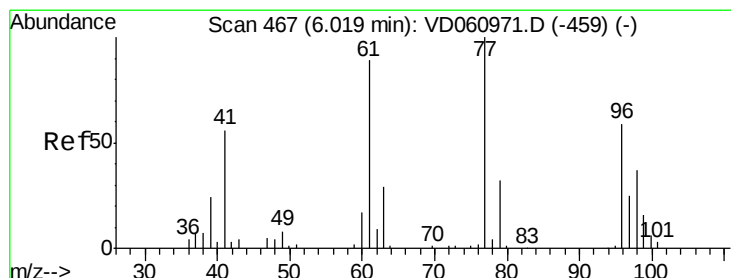
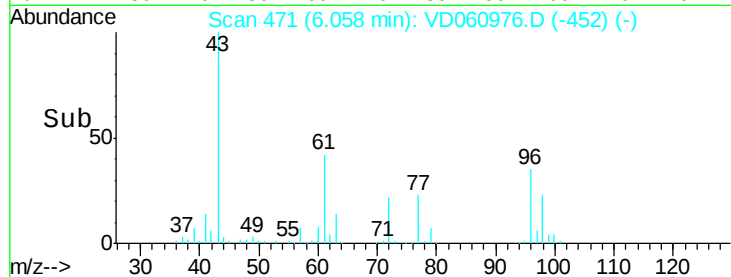
0

Time-->

5.90 6.00 6.10

6.06

0



#26

2,2-Dichloropropane

Concen: 50.208 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060976.D

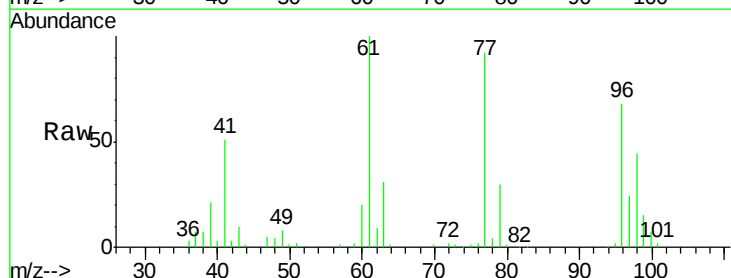
Acq: 8 Mar 2019 10:33

Tgt Ion: 77 Resp: 567599

Ion Ratio Lower Upper

77 100

97 26.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

150000

100000

50000

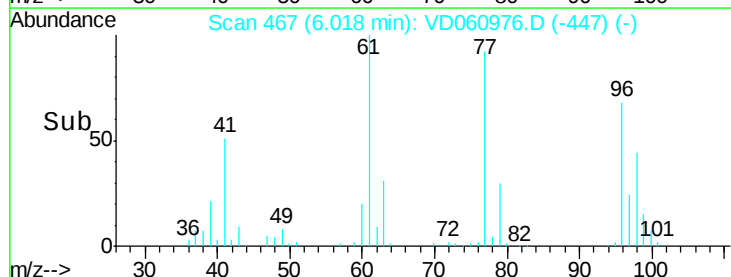
0

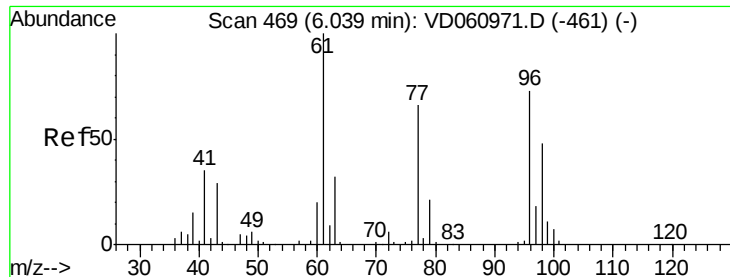
Time-->

5.90 6.00 6.10 6.20

6.02

0



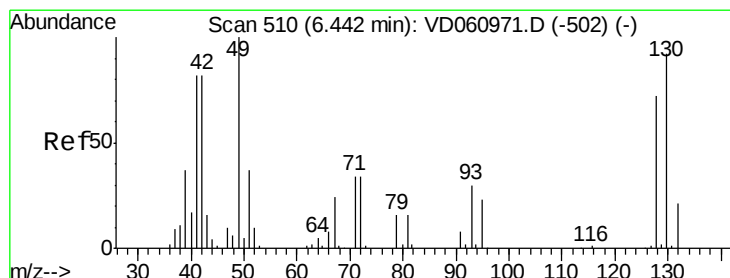
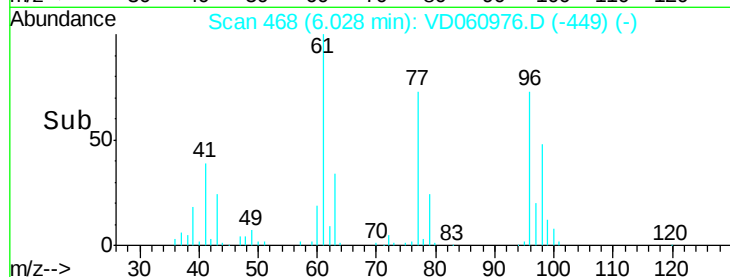
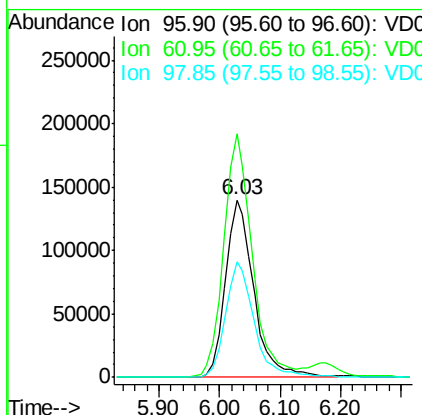
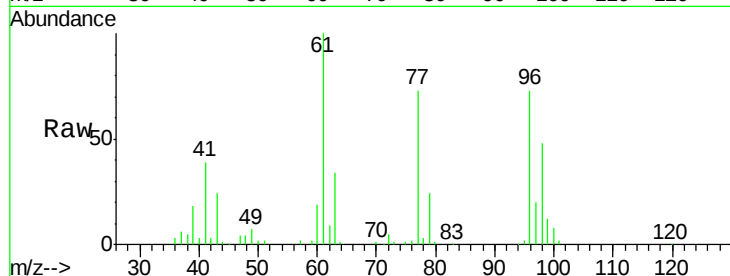


#27

cis-1,2-Dichloroethene
Concen: 49.827 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

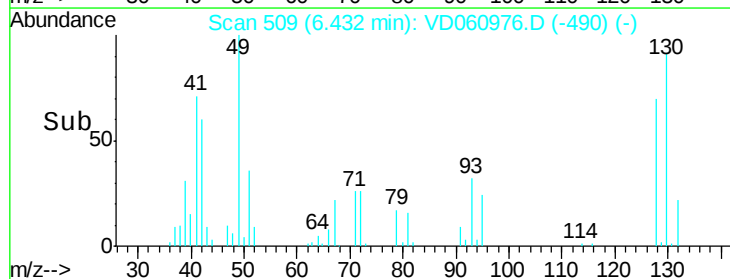
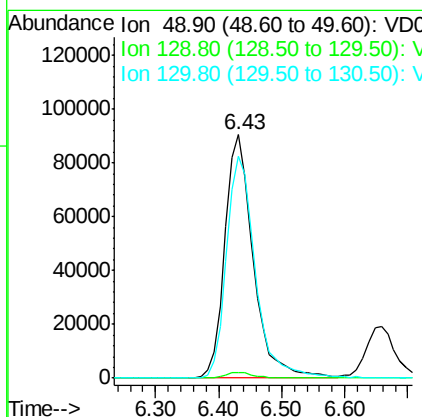
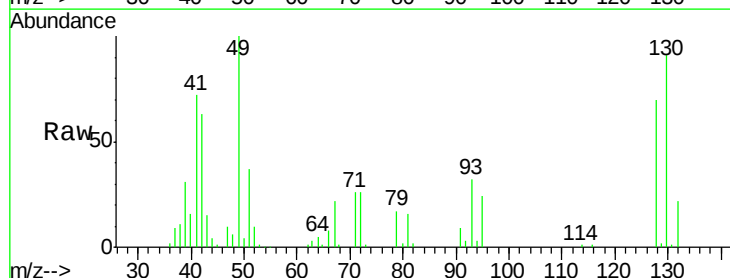
Tot Ion: 96 Resp: 455338
Ion Ratio Lower Upper
96 100
61 137.4 0.0 273.6
98 65.3 0.0 132.6



#28

Bromochloromethane
Concen: 46.211 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 49 Resp: 283306
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 90.9 73.8 110.8

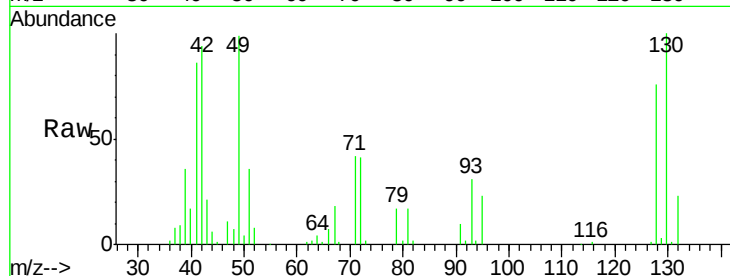




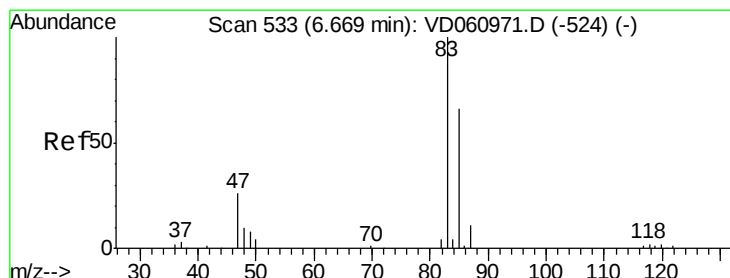
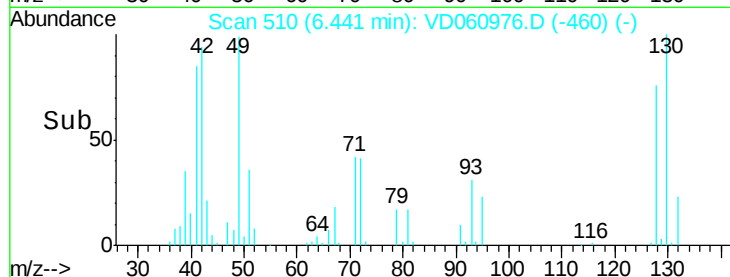
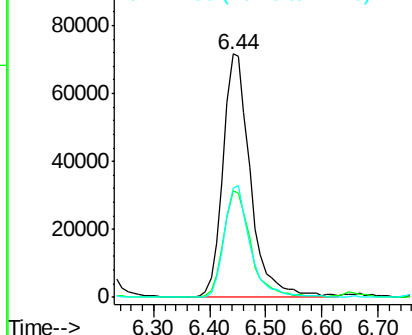
#29
Tetrahydrofuran
Concen: 210.732 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 245012
Ion Ratio Lower Upper
42 100
72 43.4 34.5 51.7
71 43.0 33.8 50.6

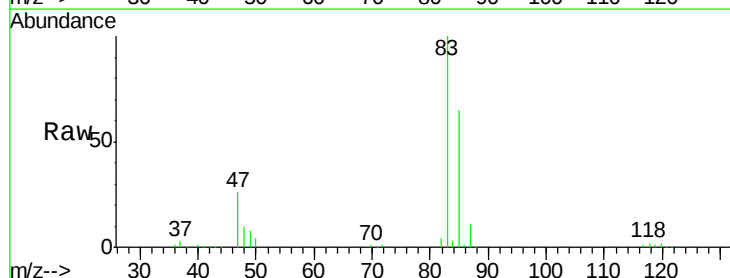


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

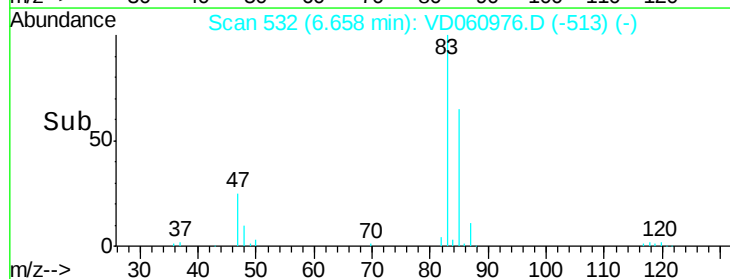
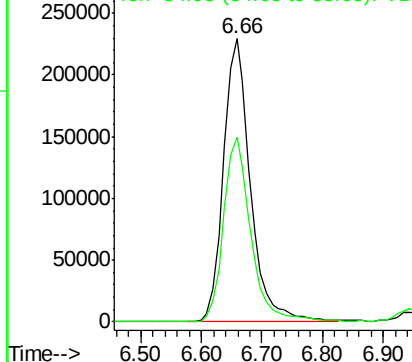


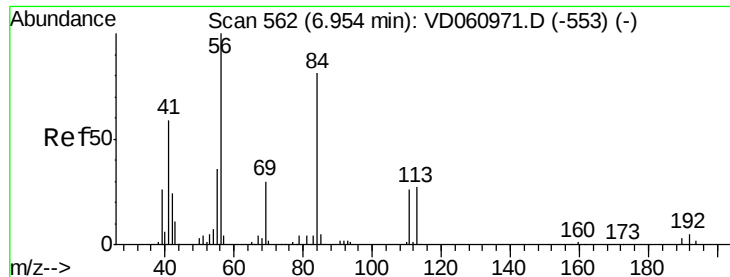
#30
Chloroform
Concen: 47.200 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 83 Resp: 708418
Ion Ratio Lower Upper
83 100
85 65.2 53.0 79.4



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

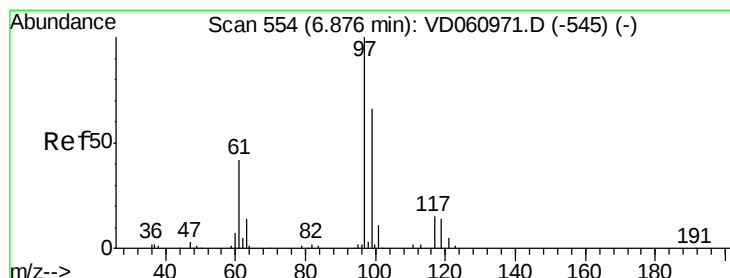
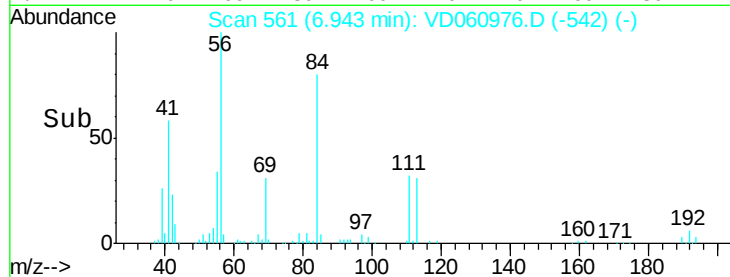
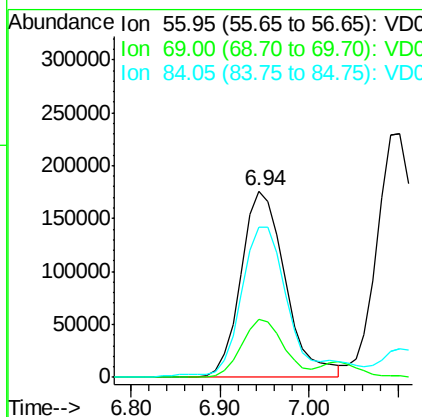
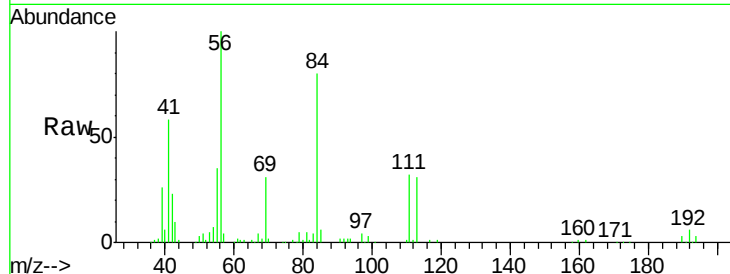




#31
Cyclohexane
Concen: 52.130 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

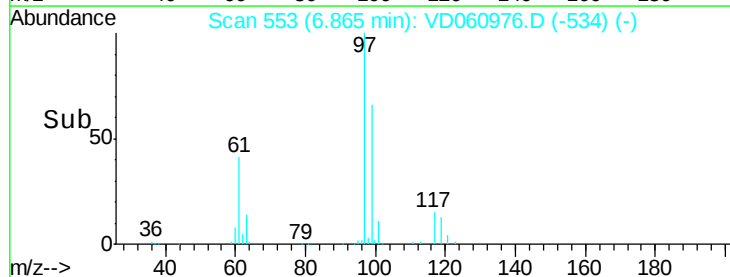
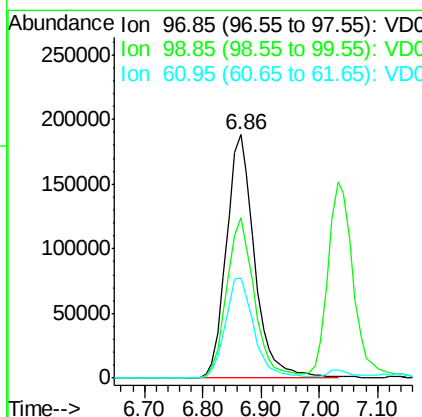
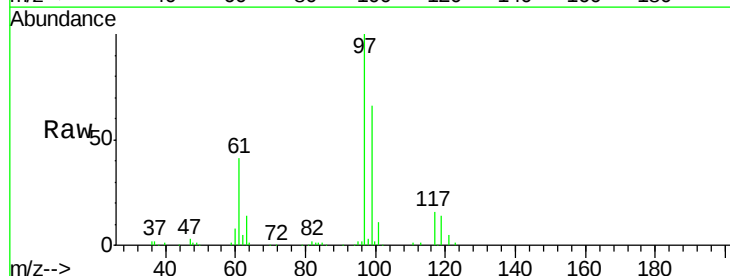
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

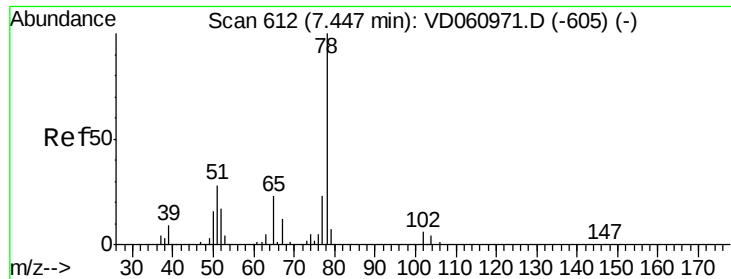
Tot Ion: 56 Resp: 608716
Ion Ratio Lower Upper
56 100
69 31.1 24.0 36.0
84 80.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 48.819 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 97 Resp: 633474
Ion Ratio Lower Upper
97 100
99 65.9 53.2 79.8
61 41.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.819 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

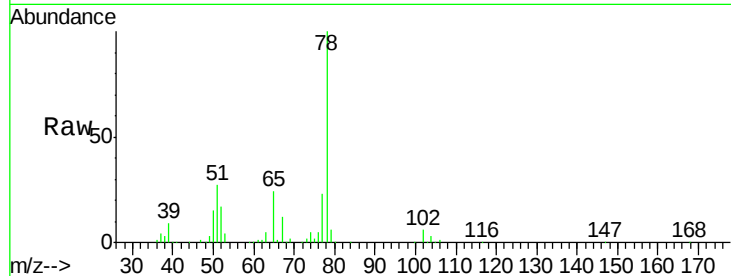
VSTDCCC050

Tot Ion: 65 Resp: 292484

Ion Ratio Lower Upper

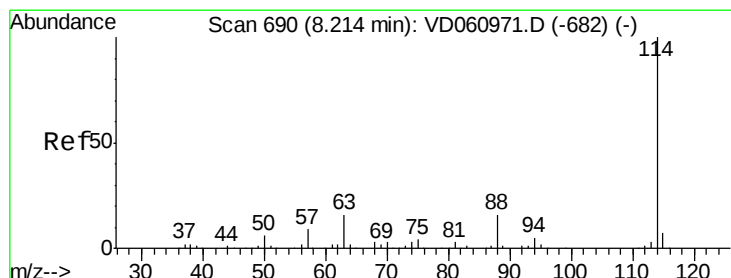
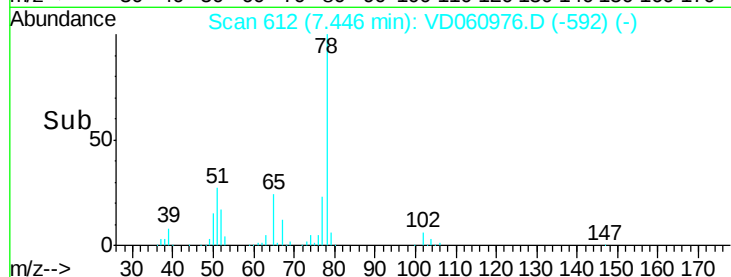
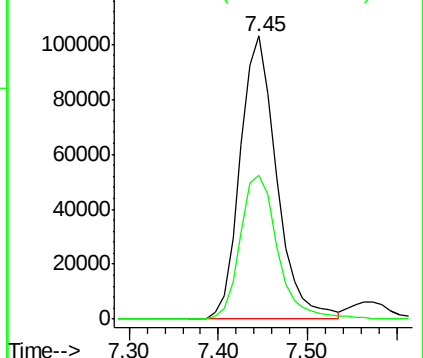
65 100

67 50.8 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: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

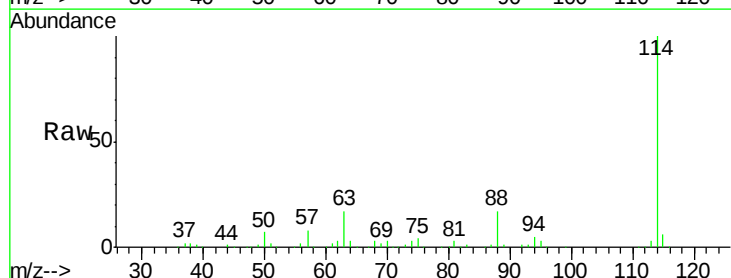
Tgt Ion: 114 Resp: 1363660

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.4

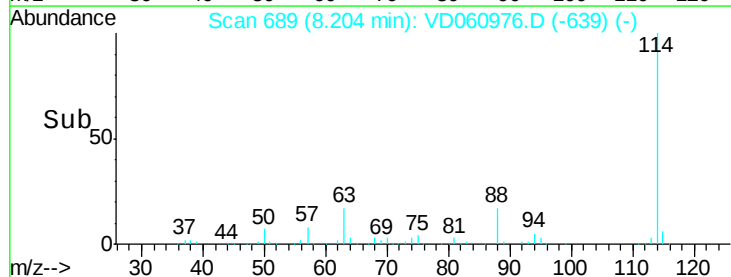
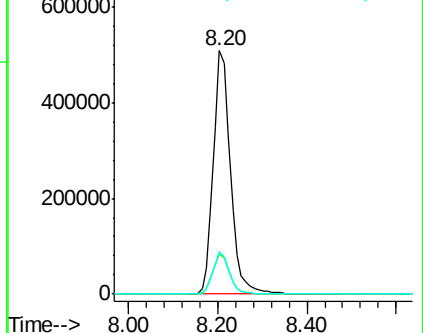
88 17.3 0.0 33.0

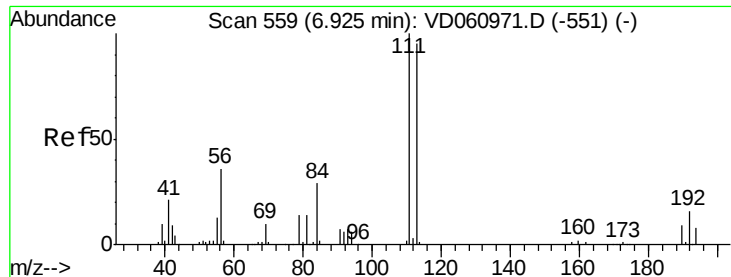


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

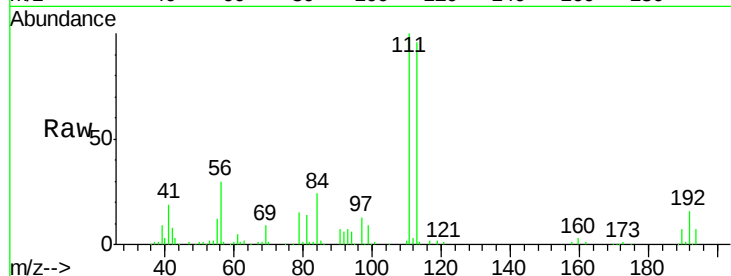
Tot Ion:113 Resp: 481474

Ion Ratio Lower Upper

113 100

111 104.0 84.2 126.4

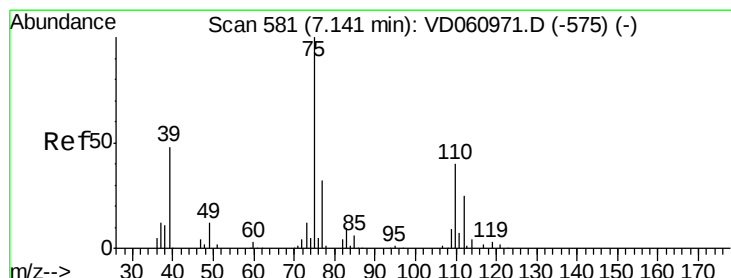
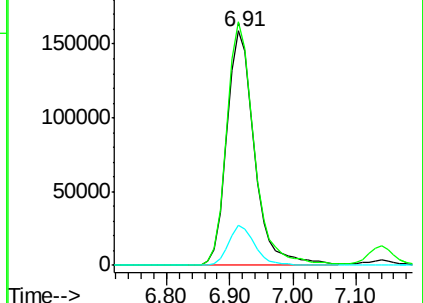
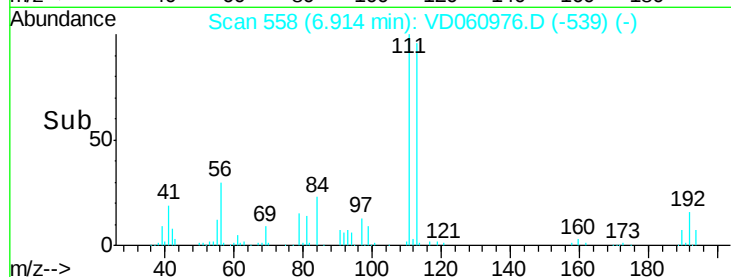
192 17.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.069 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

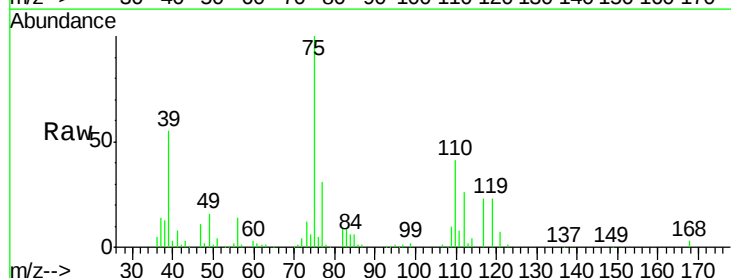
Tgt Ion: 75 Resp: 529769

Ion Ratio Lower Upper

75 100

110 40.9 19.7 59.1

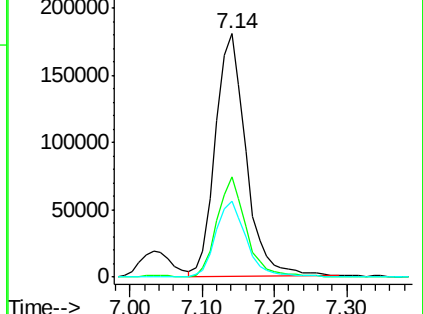
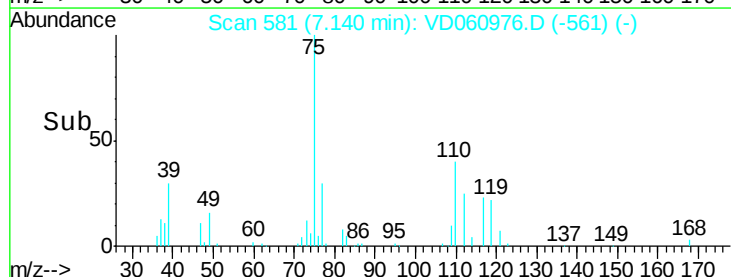
77 31.0 24.7 37.1

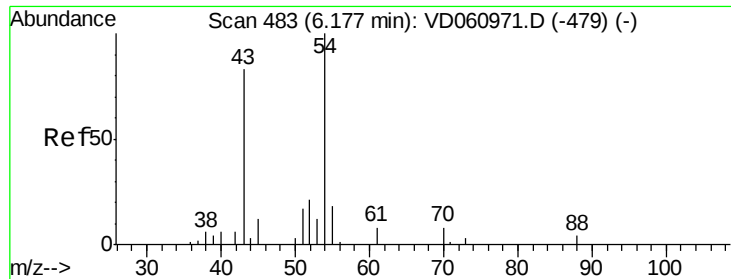


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

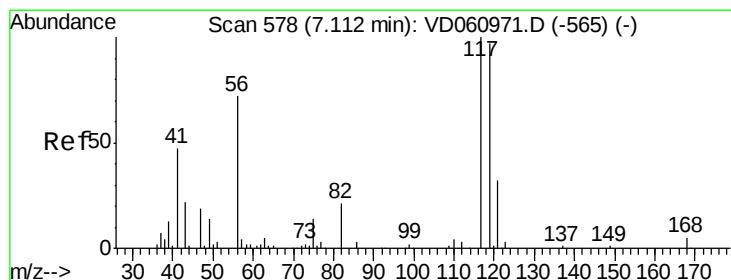
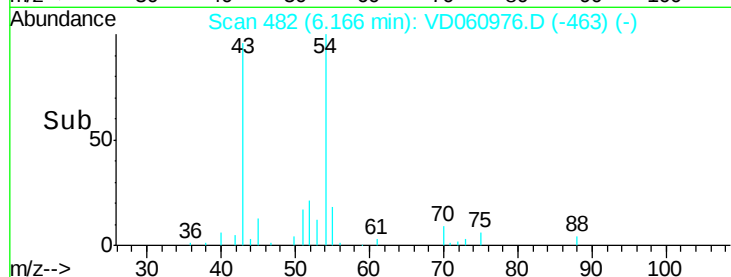
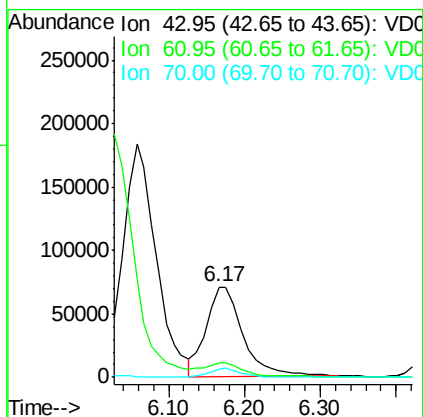
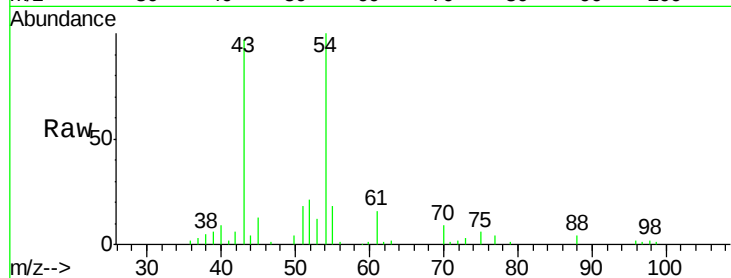




#37
Ethyl Acetate
Concen: 43.238 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

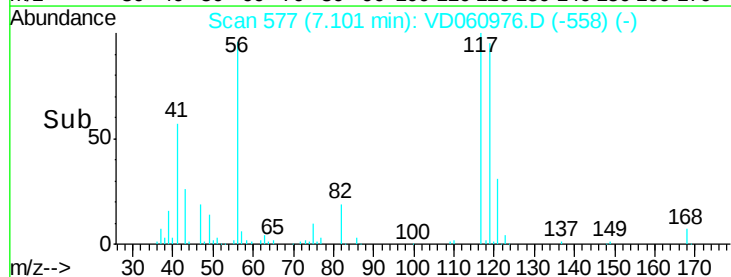
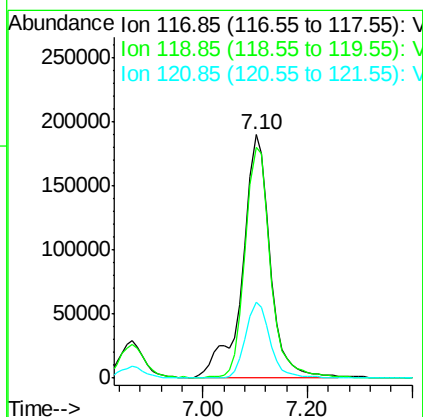
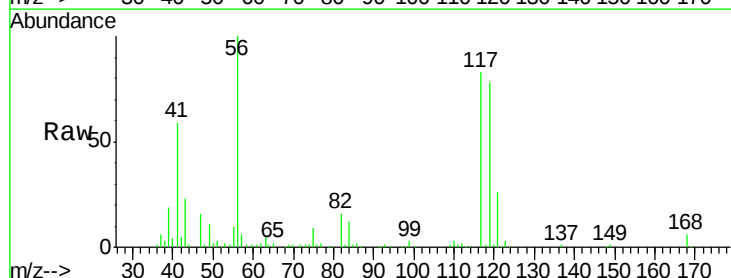
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 238500
Ion Ratio Lower Upper
43 100
61 16.5 13.7 20.5
70 9.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.045 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 117 Resp: 673872
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8
121 31.0 25.3 37.9





#39

Methvlcvclohexane

Concen: 46.258 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

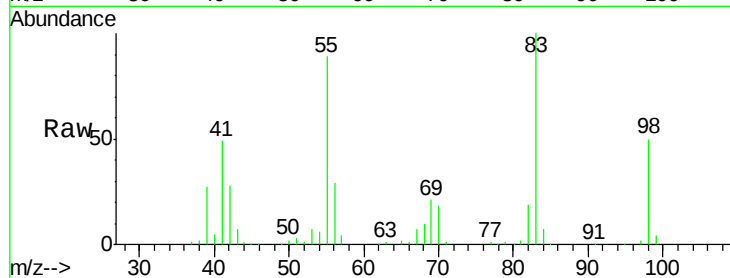
Tot Ion: 83 Resp: 563820

Ion Ratio Lower Upper

83 100

55 89.1 69.6 104.4

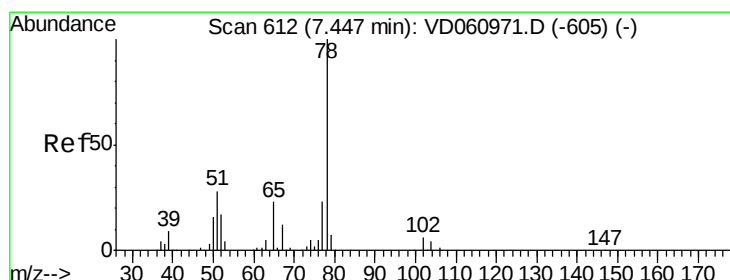
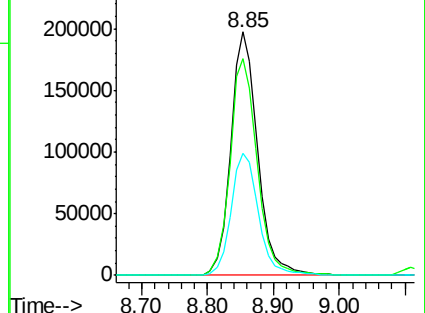
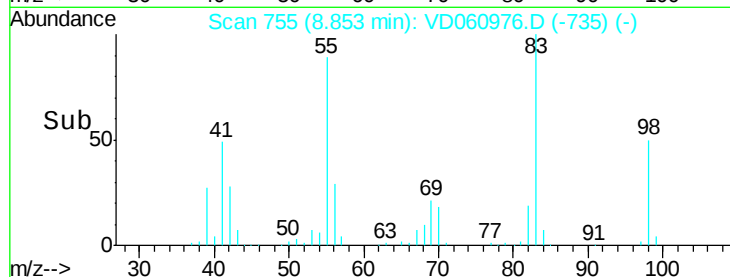
98 50.4 40.0 60.0



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: 44.514 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060976.D

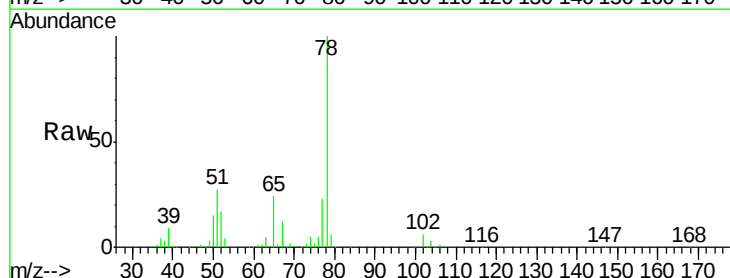
Acq: 8 Mar 2019 10:33

Tgt Ion: 78 Resp: 1307442

Ion Ratio Lower Upper

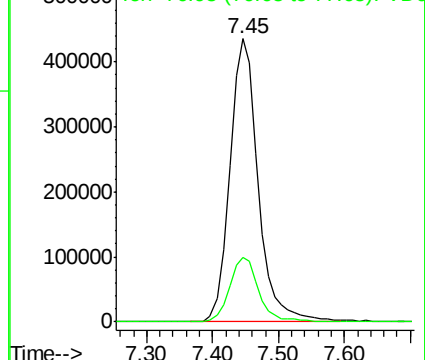
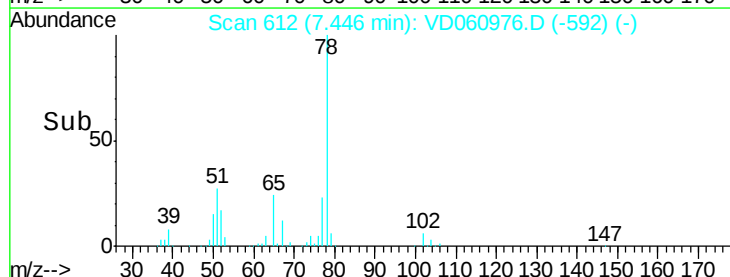
78 100

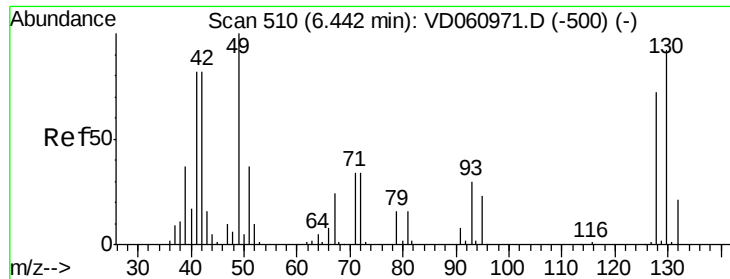
77 23.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

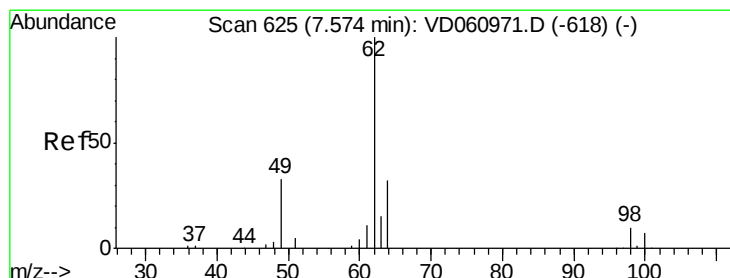
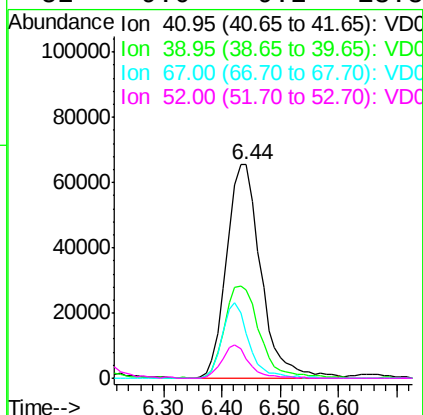
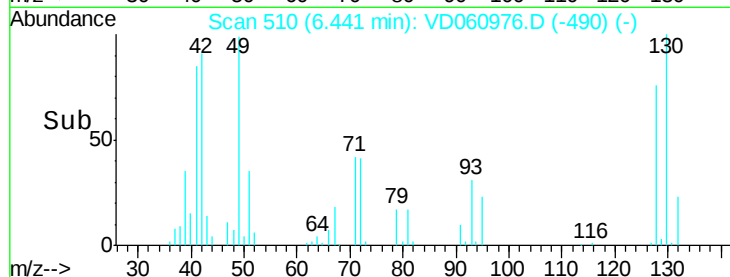
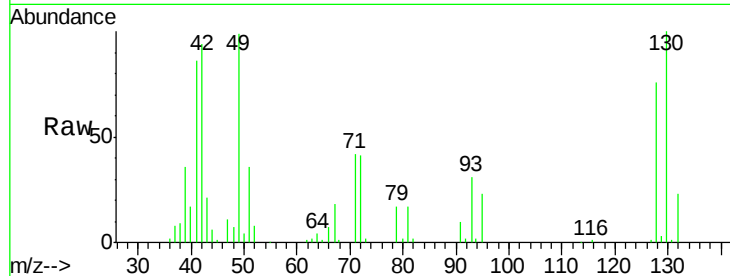




#41
Methacrylonitrile
Concen: 42.531 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

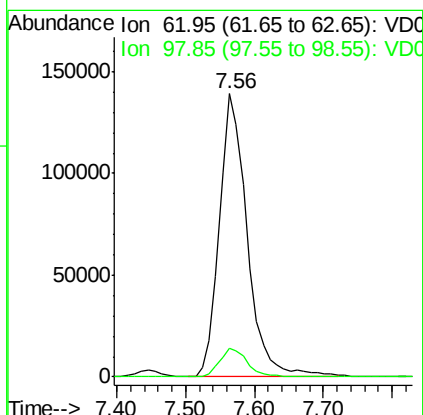
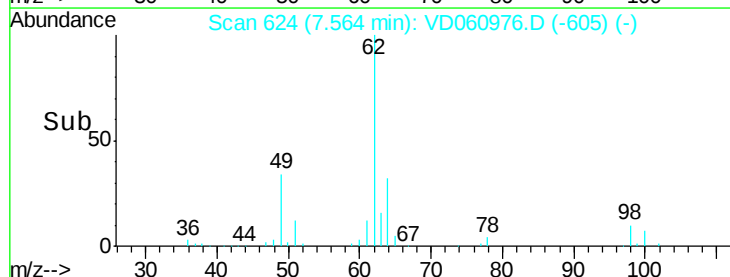
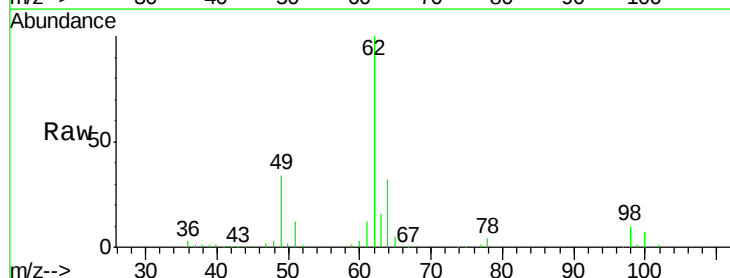
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

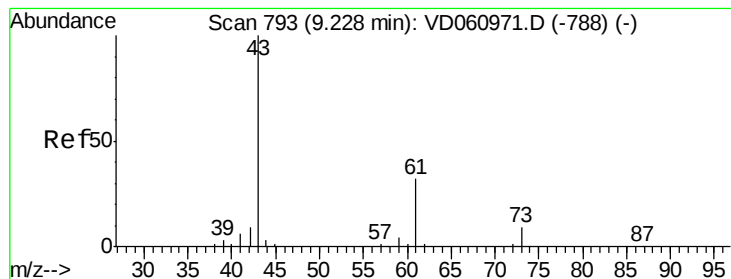
Tot Ion: 41 Resp: 269844
Ion Ratio Lower Upper
41 100
39 41.5 35.7 53.5
67 20.8 23.0 34.6#
52 9.0 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 45.855 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 62 Resp: 390848
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4



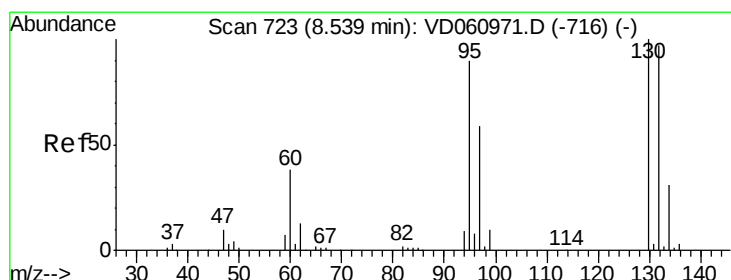
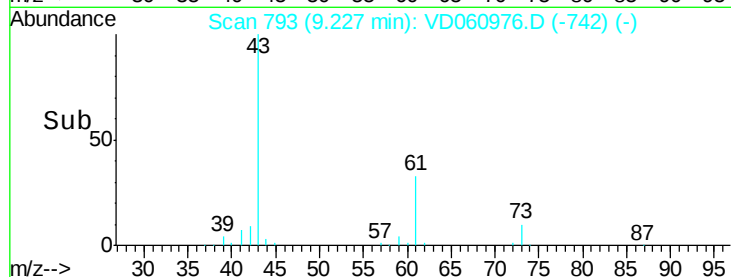
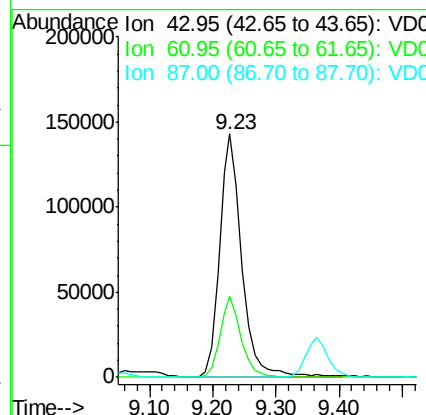
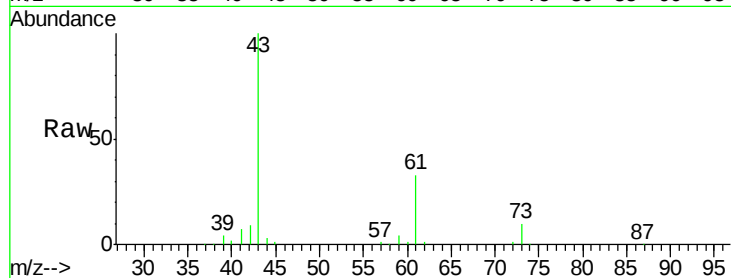


#43

Isopropyl Acetate
 Concen: 46.155 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

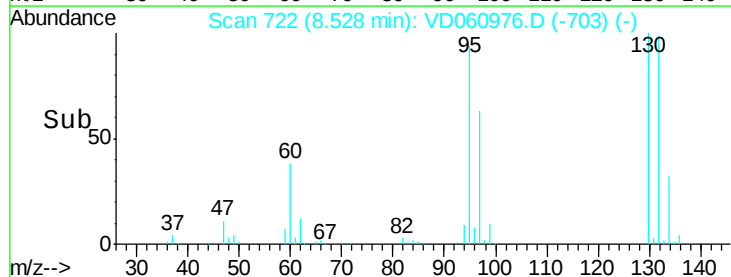
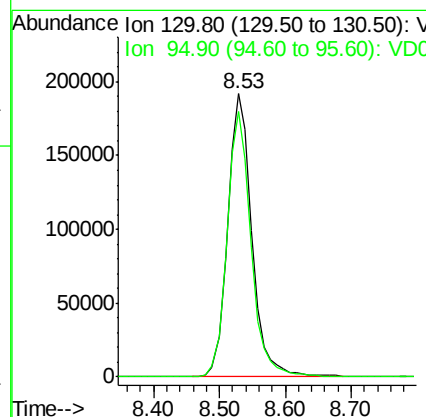
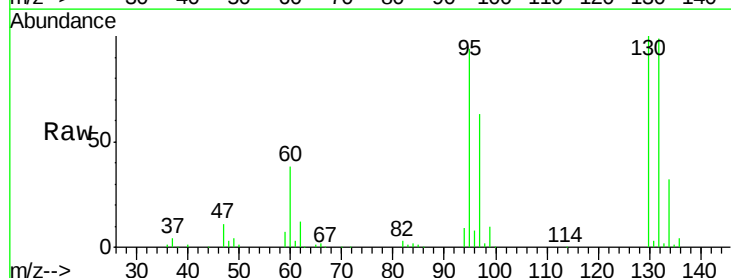
Tot Ion: 43 Resp: 352620
 Ion Ratio Lower Upper
 43 100
 61 33.2 25.6 38.4
 87 0.4 0.2 0.4#

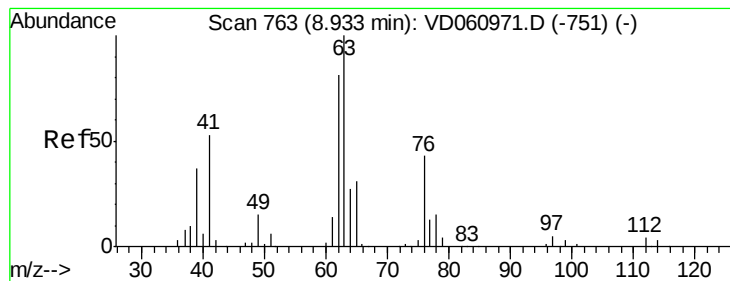


#44

Trichloroethene
 Concen: 48.617 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 130 Resp: 492636
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 179.4





#45

1,2-Dichloropropane

Concen: 45.615 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

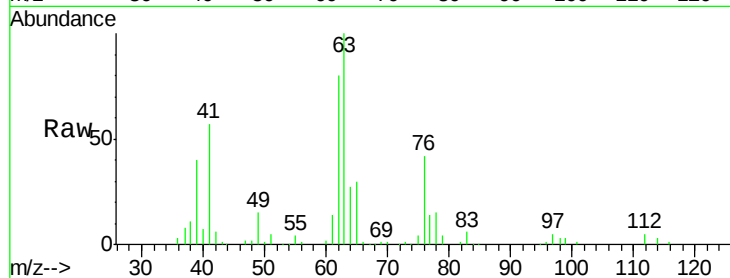
VSTDCCC050

Tot Ion: 63 Resp: 351995

Ion Ratio Lower Upper

63 100

65 29.6 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

150000

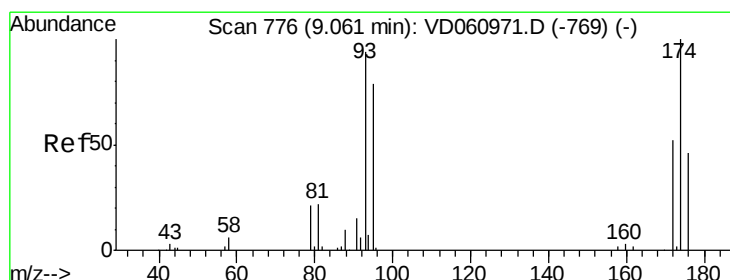
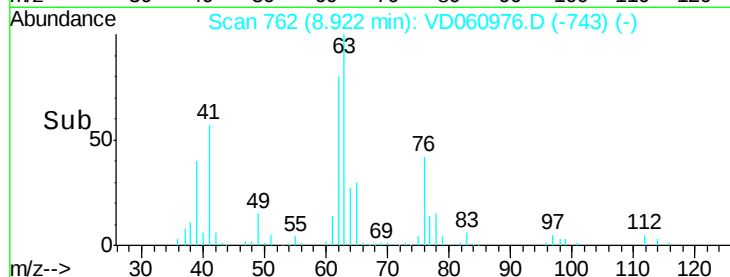
100000

50000

0

Time-->

8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 45.817 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

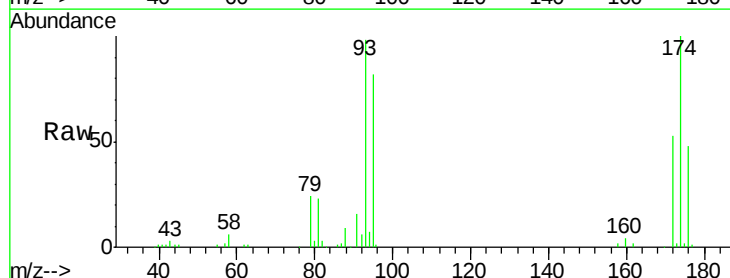
Tgt Ion: 93 Resp: 224267

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

174 102.4 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

9.05

120000

100000

80000

60000

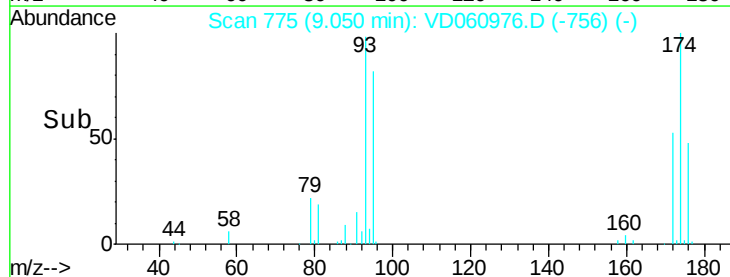
40000

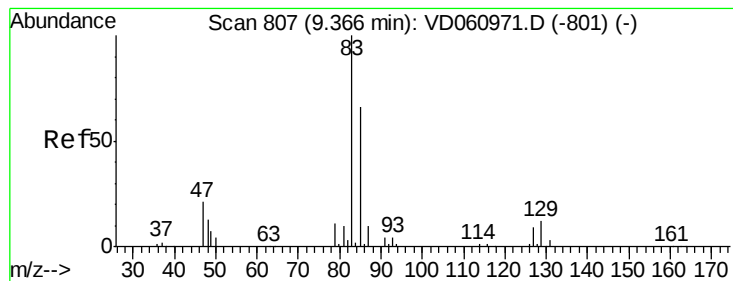
20000

0

Time-->

8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 50.006 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

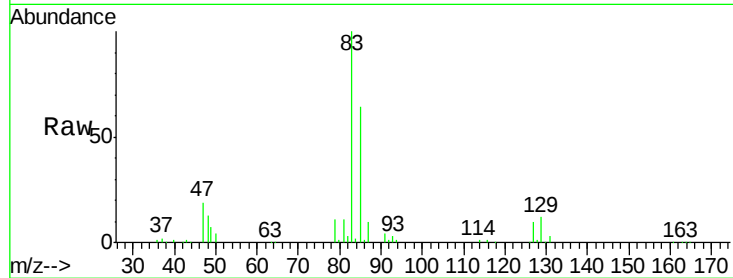
Tot Ion: 83 Resp: 552346

Ion Ratio Lower Upper

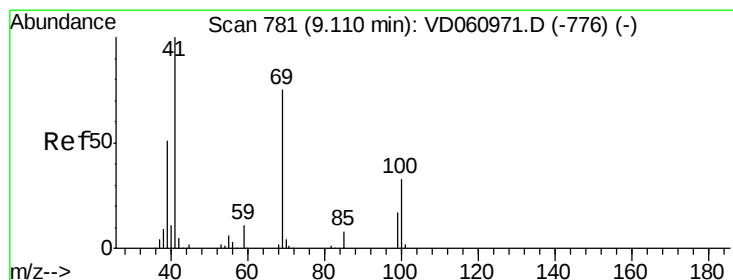
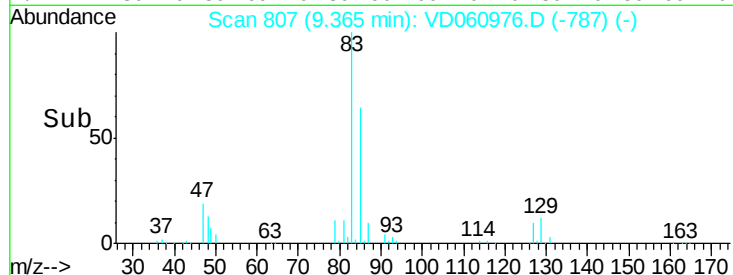
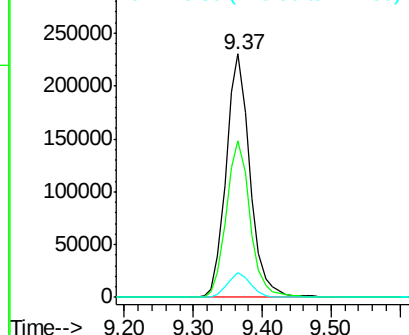
83 100

85 64.1 52.5 78.7

127 10.3 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): VDC



#48

Methyl methacrylate

Concen: 45.210 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

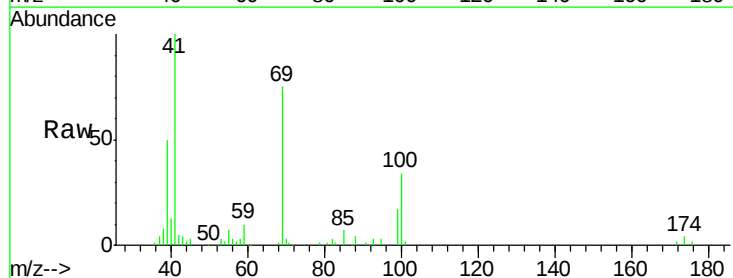
Tgt Ion: 41 Resp: 194471

Ion Ratio Lower Upper

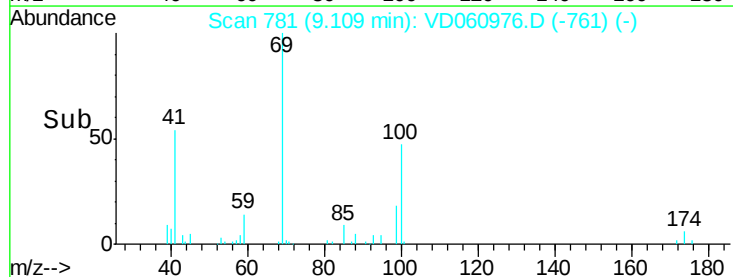
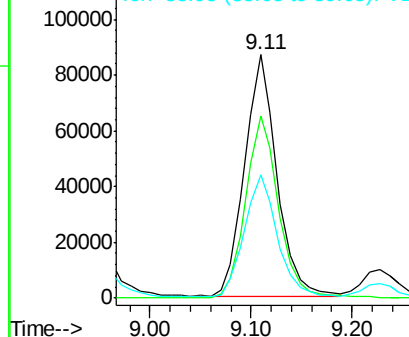
41 100

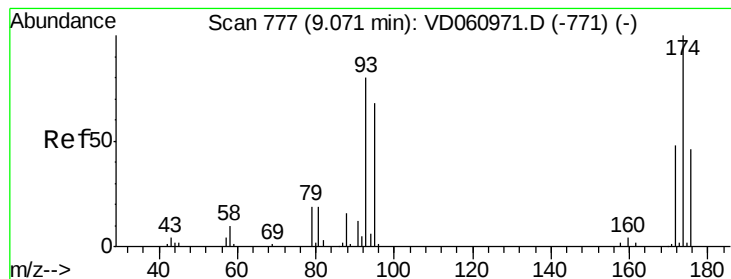
69 74.9 59.9 89.9

39 50.4 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: 909.806 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

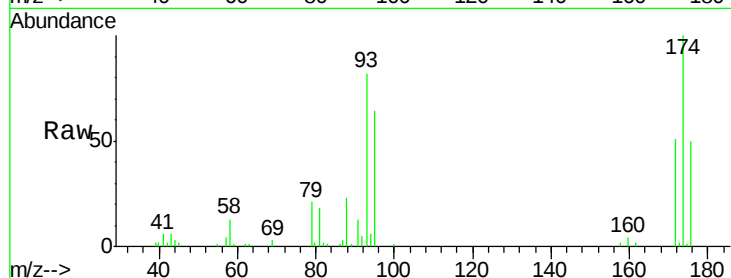
Tot Ion: 88 Resp: 39573

Ion Ratio Lower Upper

88 100

43 28.0 21.0 31.6

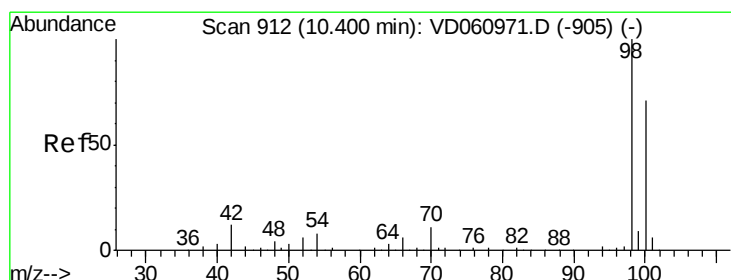
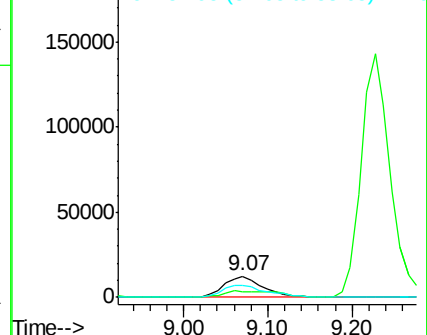
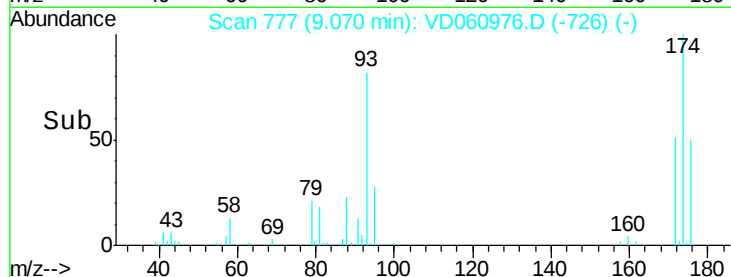
58 58.0 48.6 72.8



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: 909.806 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD060976.D

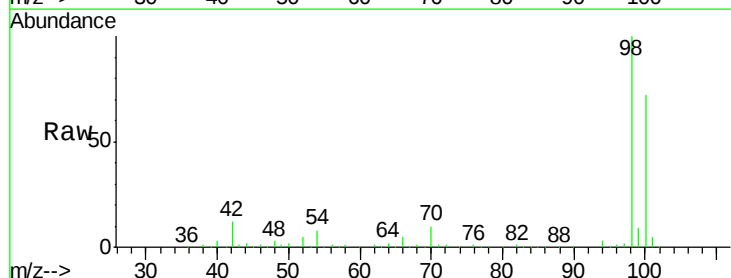
Acq: 8 Mar 2019 10:33

Tgt Ion: 98 Resp: 1161252

Ion Ratio Lower Upper

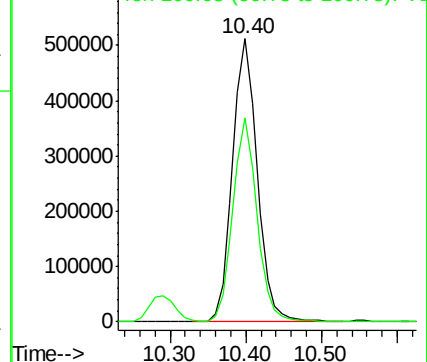
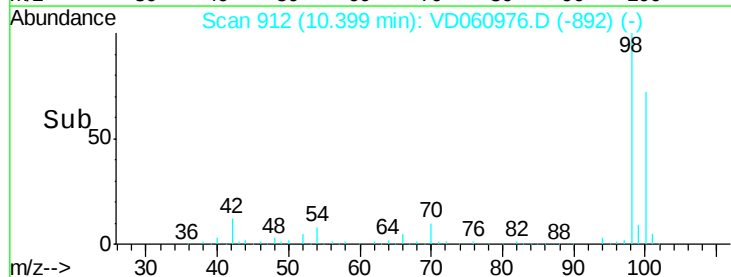
98 100

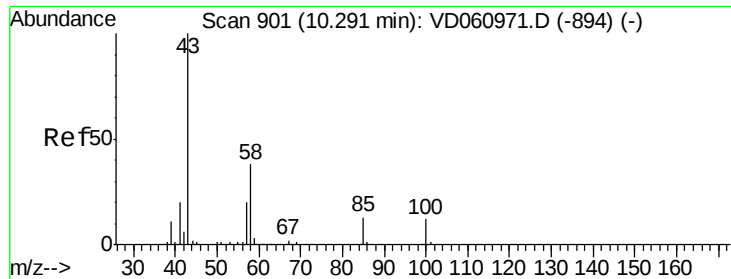
100 72.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

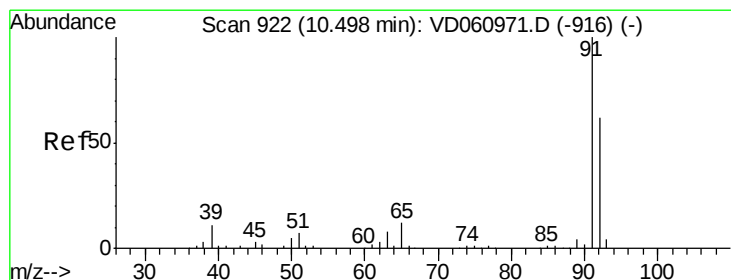
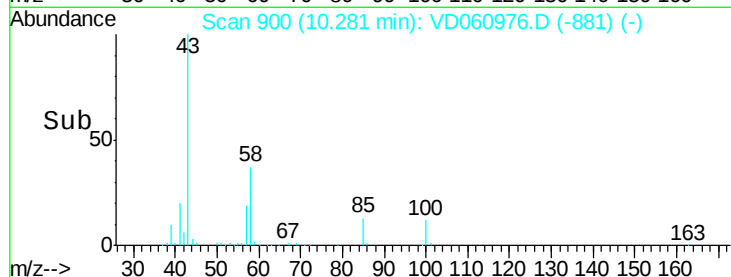
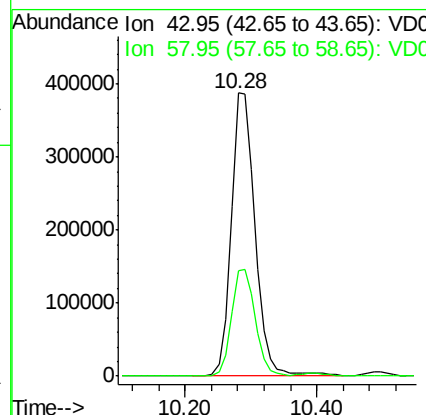
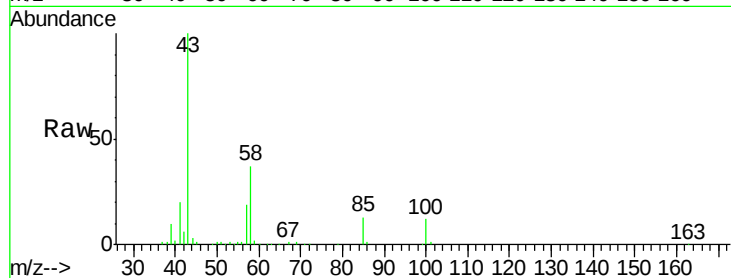




#51
 4-Methyl-2-Pentanone
 Concen: 209.925 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

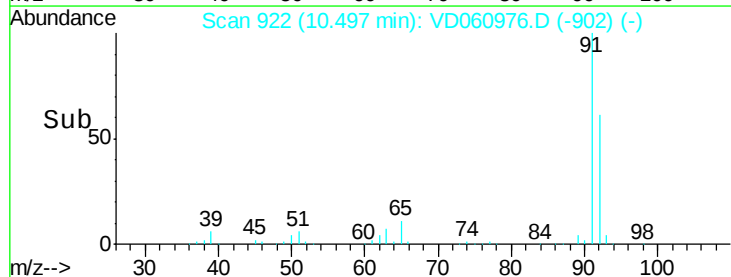
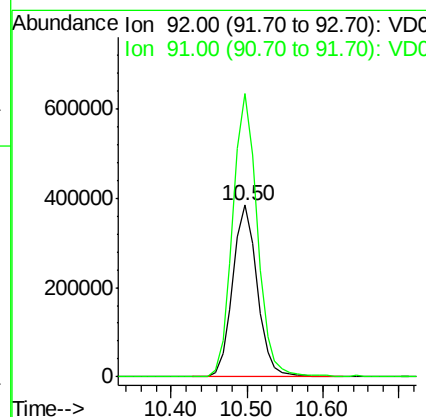
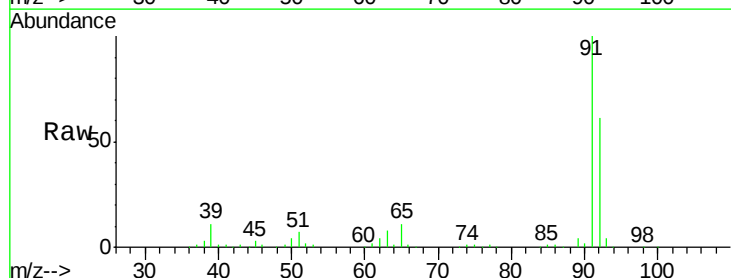
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

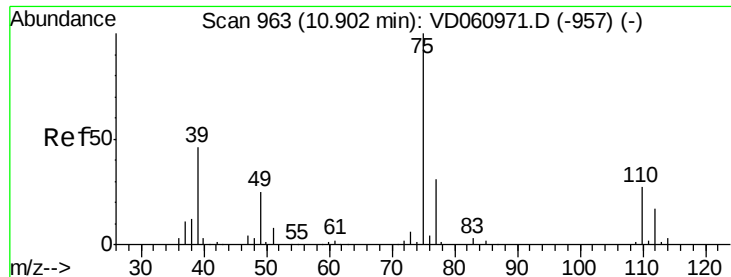
Tot Ion: 43 Resp: 982527
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2



#52
 Toluene
 Concen: 47.160 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 92 Resp: 861356
 Ion Ratio Lower Upper
 92 100
 91 165.0 129.8 194.8

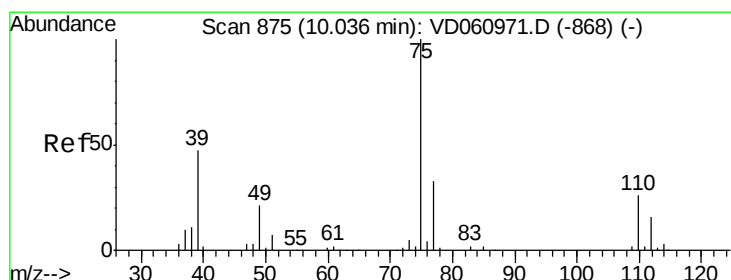
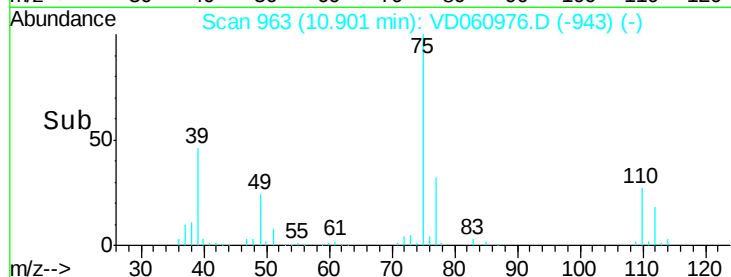
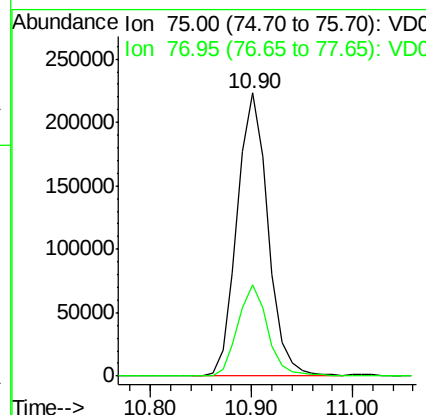
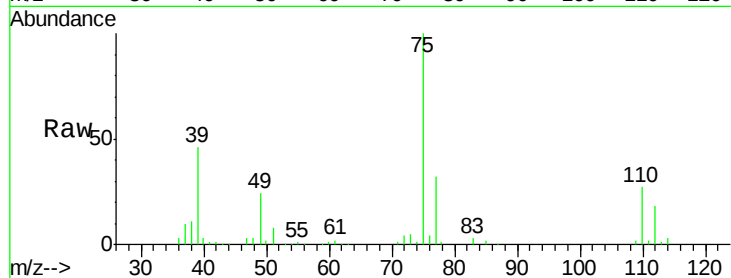




#53
 t-1,3-Dichloropropene
 Concen: 47.121 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

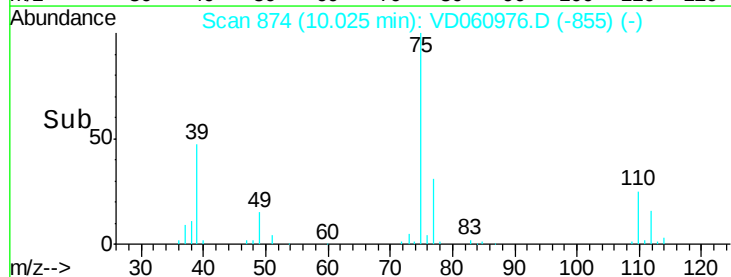
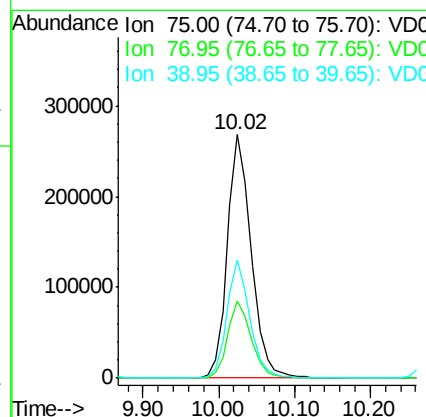
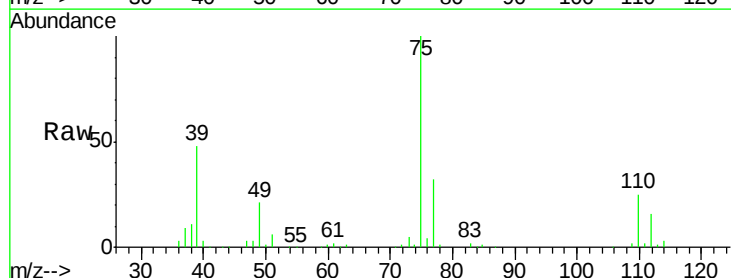
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

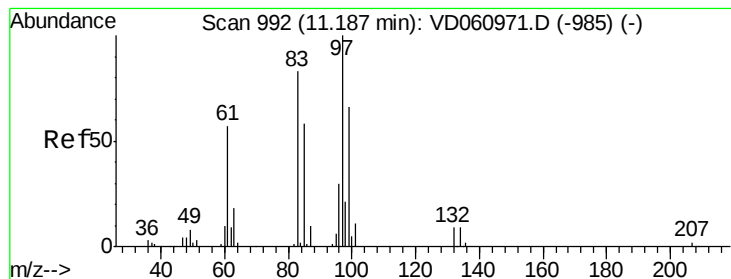
Tot Ion: 75 Resp: 475928
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 48.282 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 585924
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.4
 39 48.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 43.982 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 267520

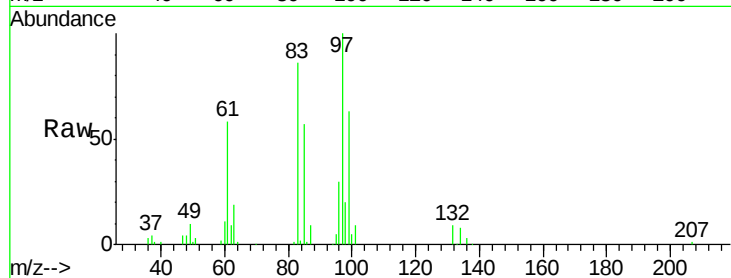
Ion Ratio Lower Upper

97 100

83 85.6 66.6 100.0

85 56.9 46.4 69.6

99 63.0 52.4 78.6

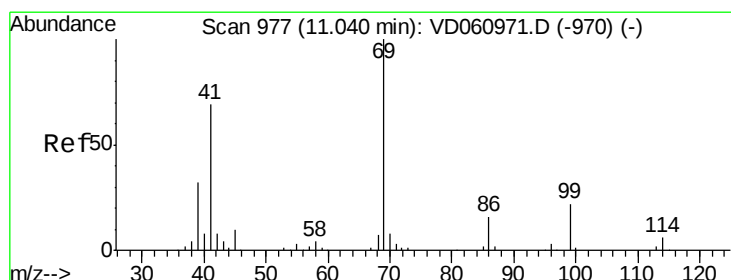
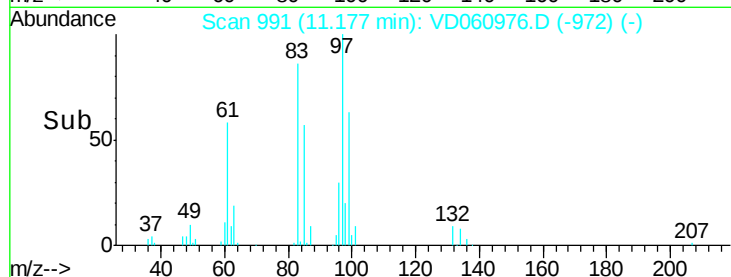
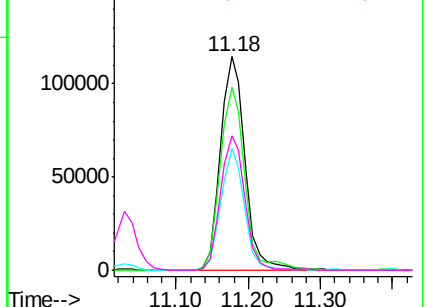


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 47.022 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

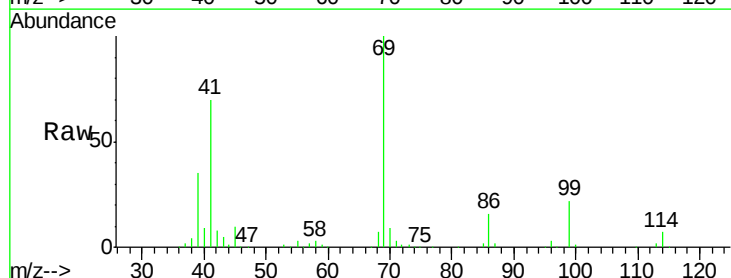
Tgt Ion: 69 Resp: 299366

Ion Ratio Lower Upper

69 100

41 69.7 55.5 83.3

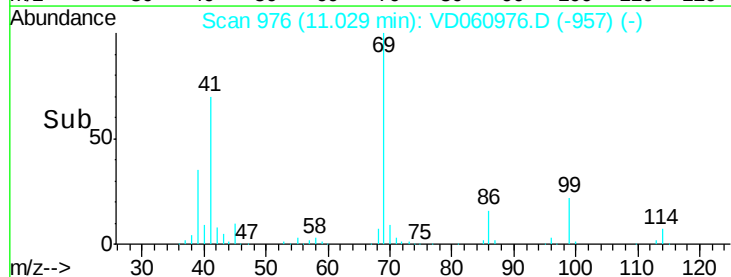
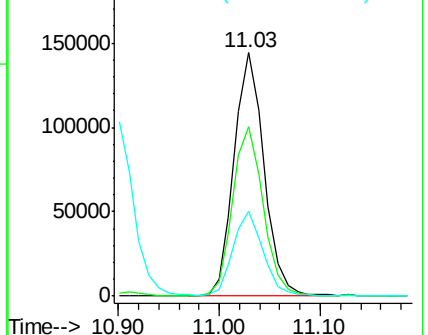
39 34.8 26.2 39.2

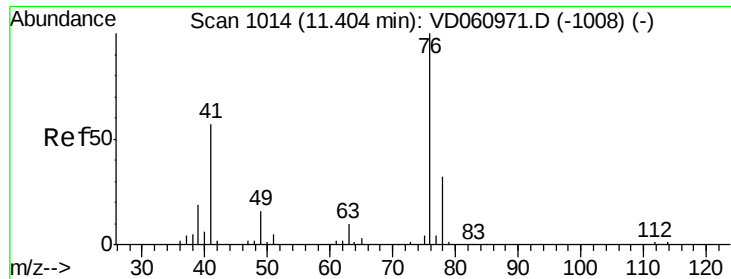


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

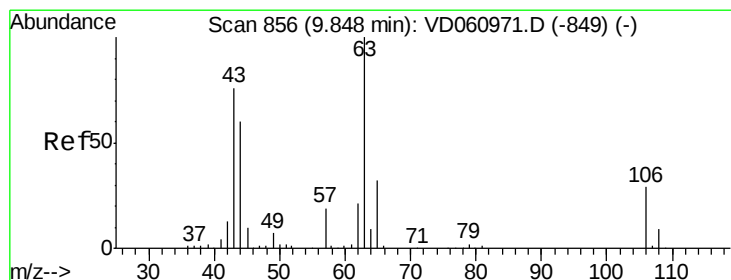
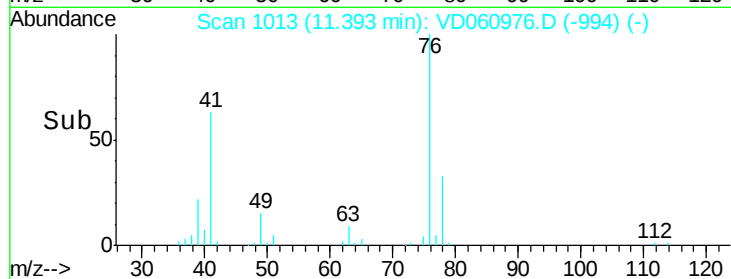
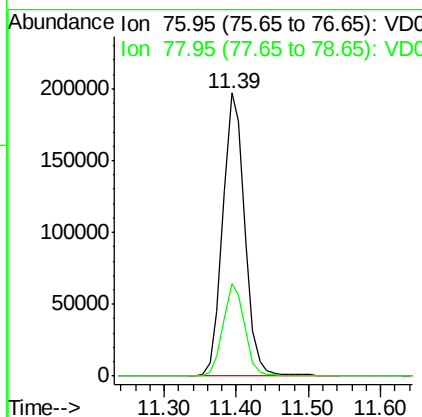
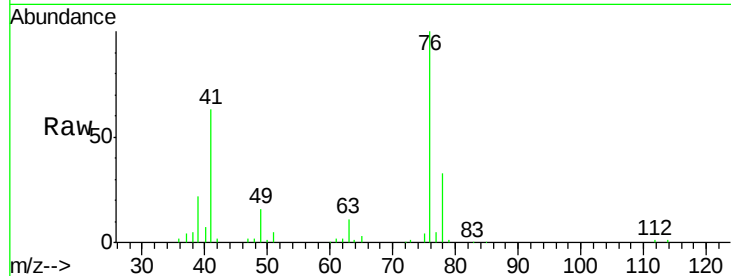




#57
 1,3-Dichloropropane
 Concen: 45.801 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

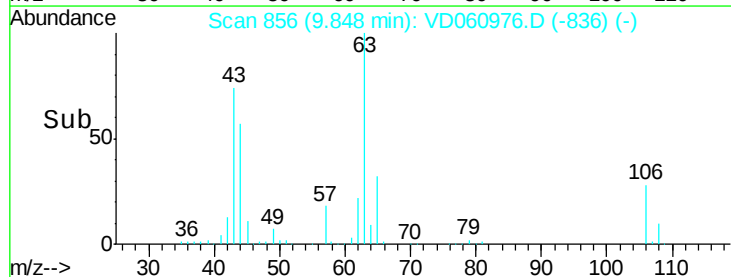
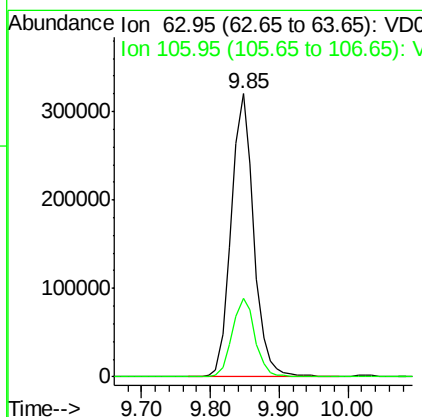
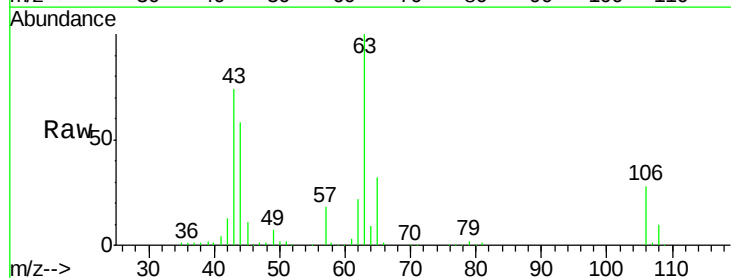
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

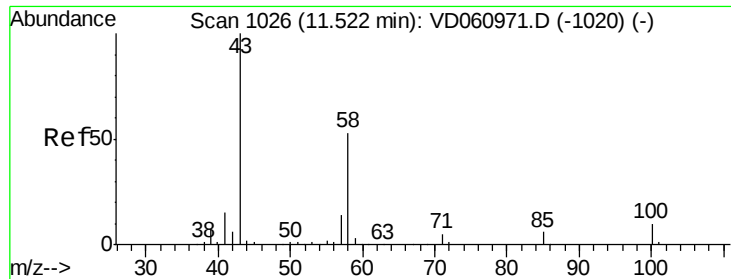
Tot Ion: 76 Resp: 416307
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 215.557 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 63 Resp: 726421
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.8 34.2

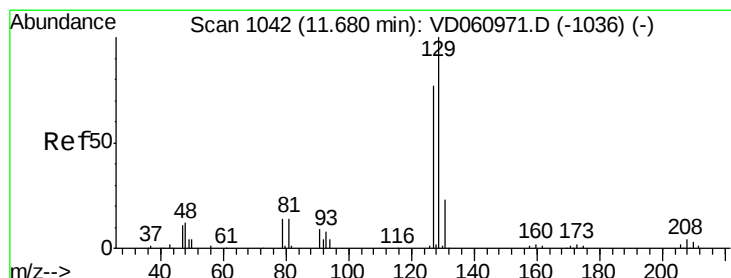
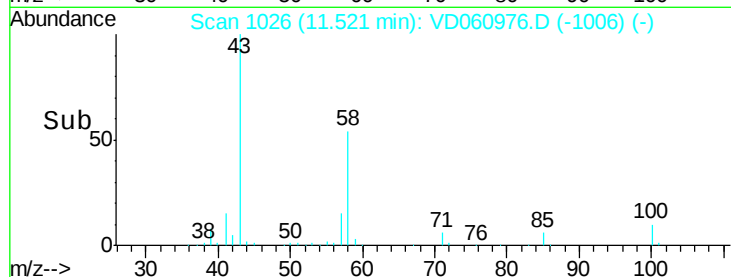
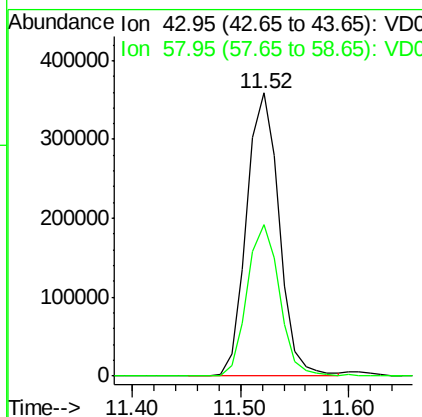
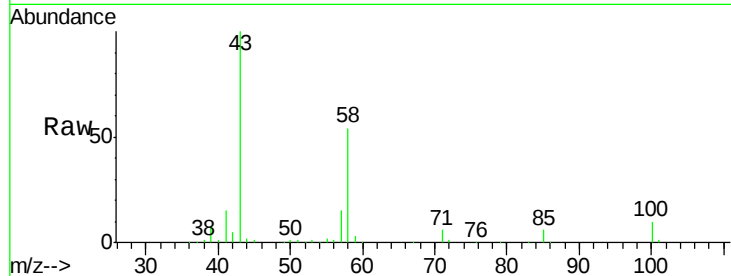




#59
2-Hexanone
Concen: 220.581 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

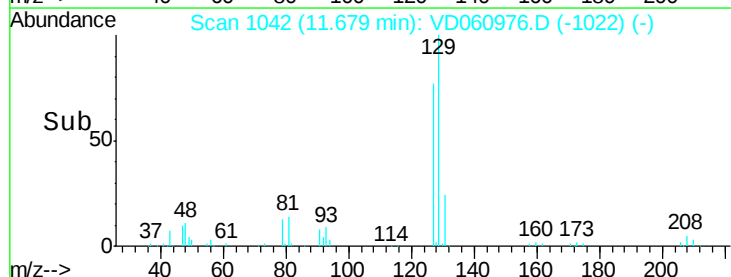
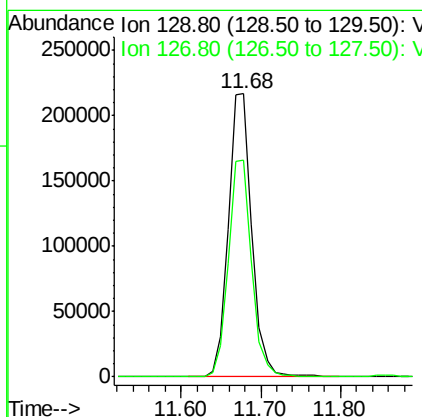
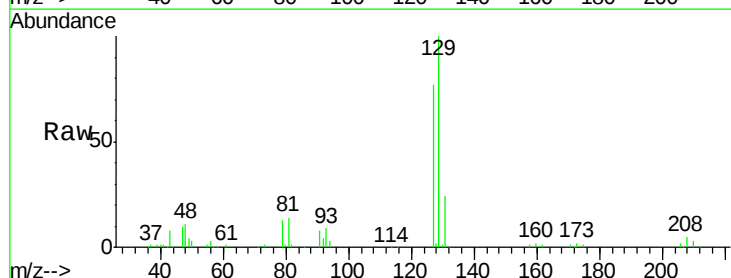
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

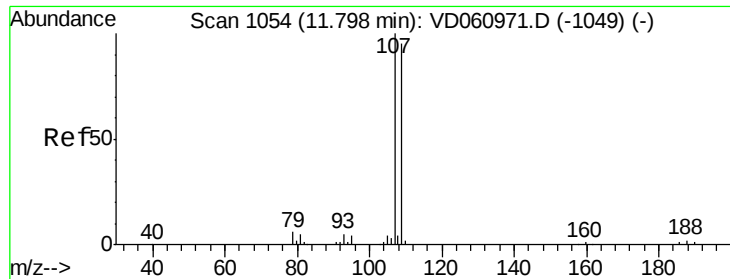
Tot Ion: 43 Resp: 755198
Ion Ratio Lower Upper
43 100
58 53.6 26.5 79.5



#60
Dibromochloromethane
Concen: 50.048 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 129 Resp: 448012
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9

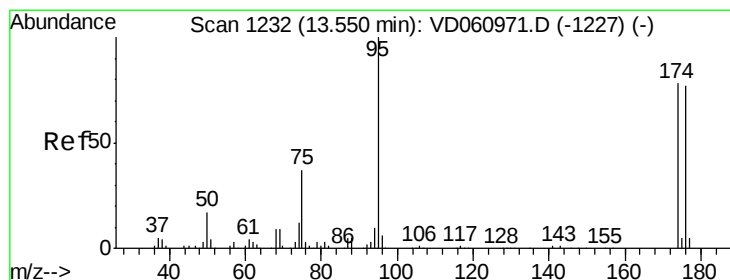
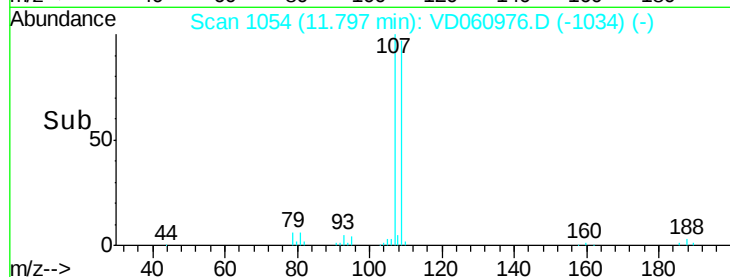
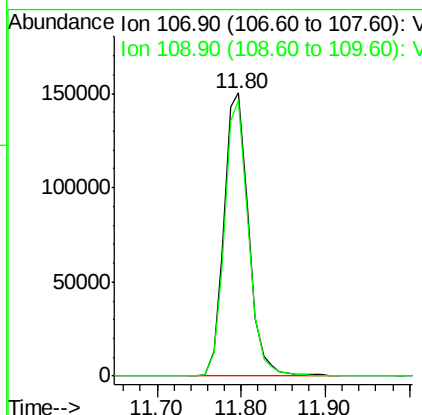
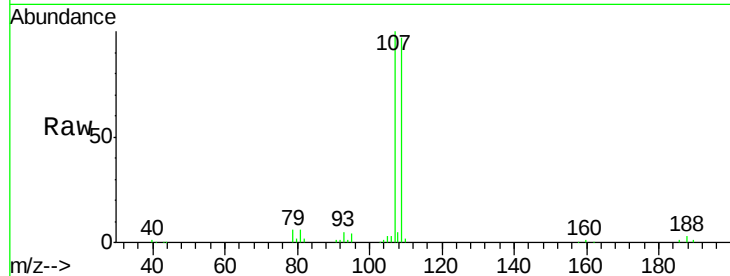




#61
 1,2-Dibromoethane
 Concen: 42.977 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

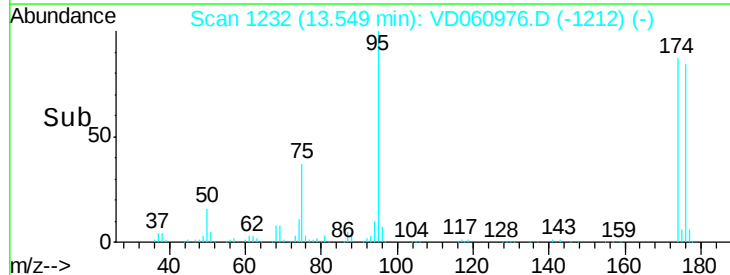
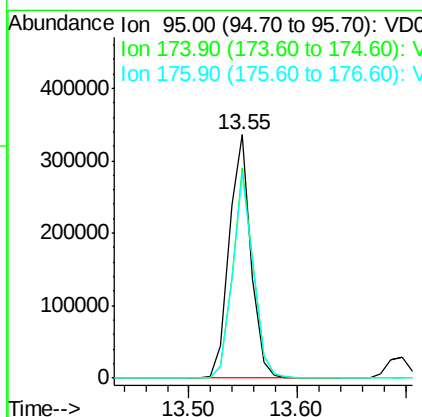
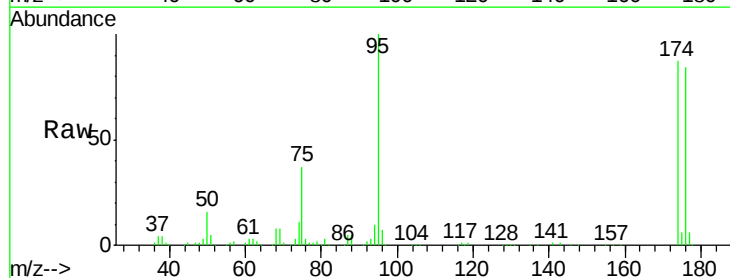
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

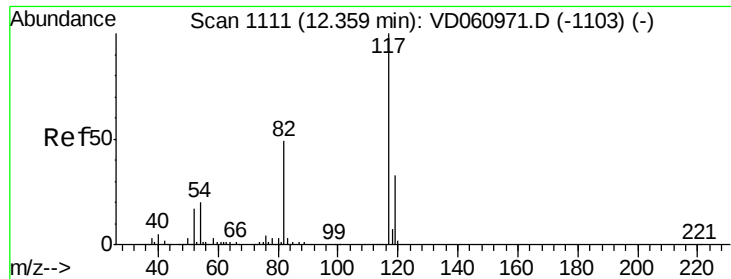
Tot Ion:107 Resp: 304091
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 42.977 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 95 Resp: 466643
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 155.6
 176 84.3 0.0 153.8

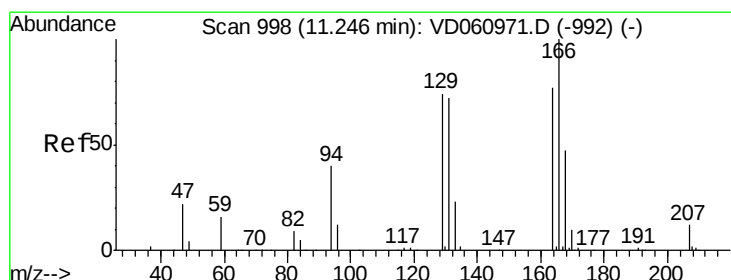
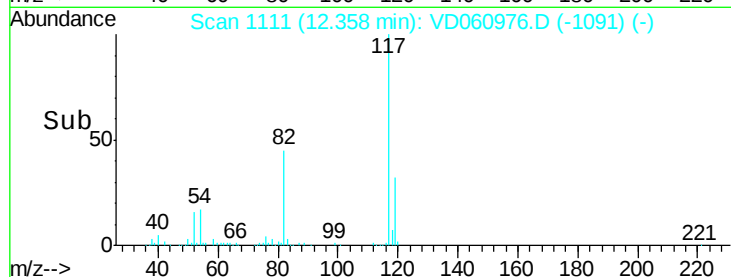
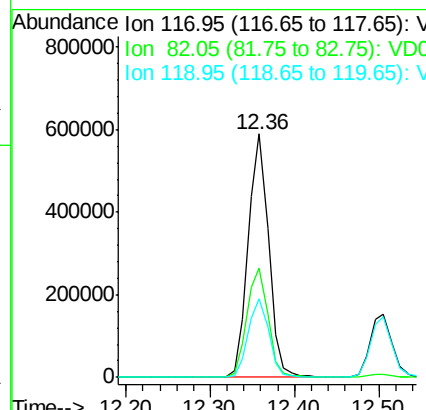
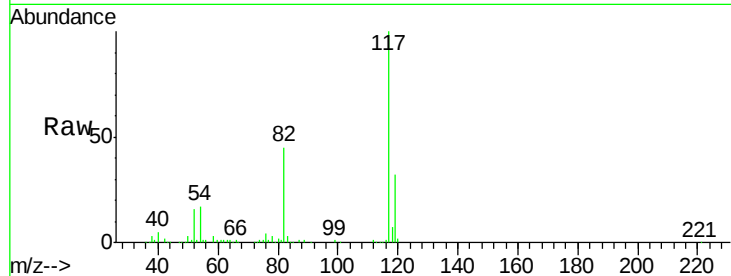




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

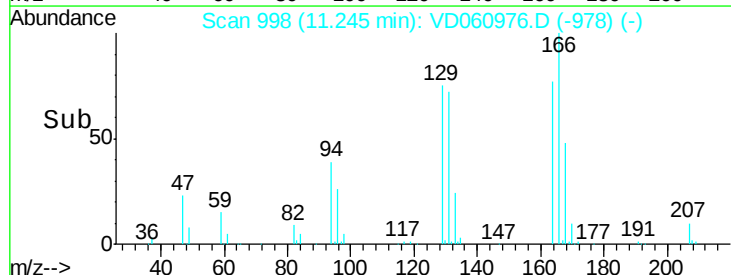
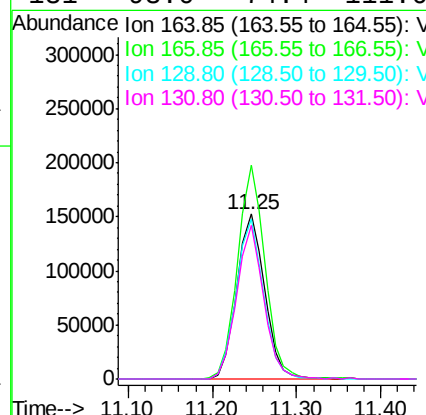
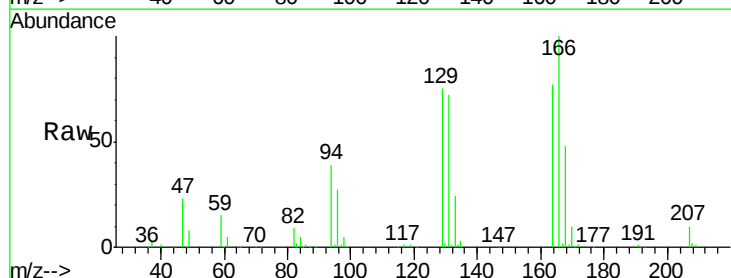
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

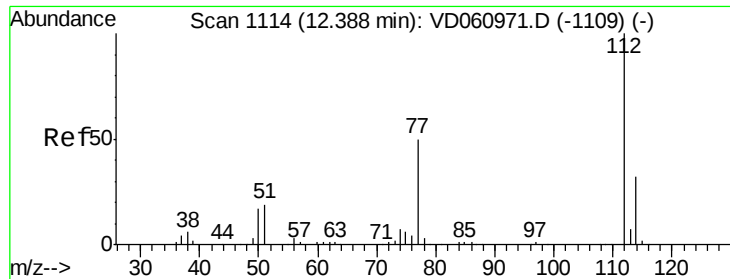
Tot Ion:117 Resp: 1001459
Ion Ratio Lower Upper
117 100
82 44.8 38.9 58.3
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 52.287 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion:164 Resp: 353476
Ion Ratio Lower Upper
164 100
166 129.4 103.4 155.0
129 96.6 76.9 115.3
131 93.0 74.4 111.6

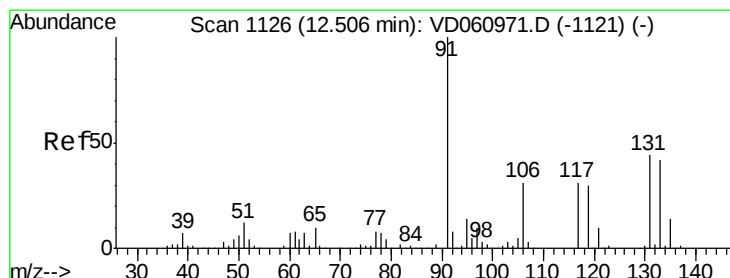
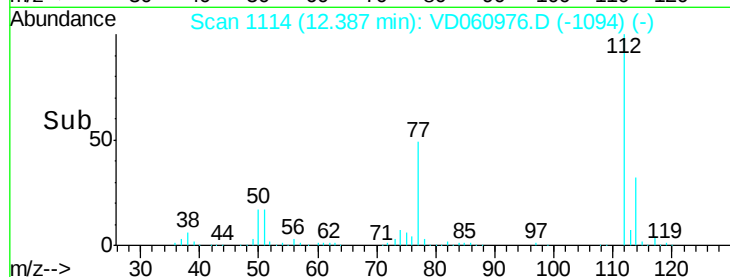
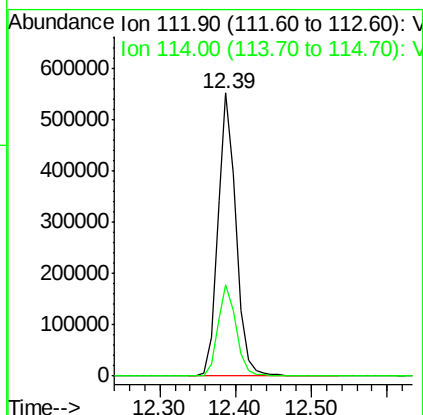
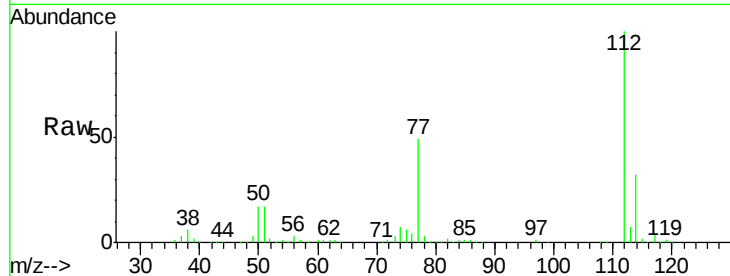




#65
Chlorobenzene
Concen: 46.913 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

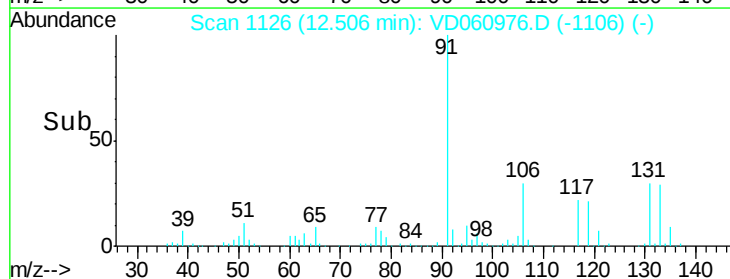
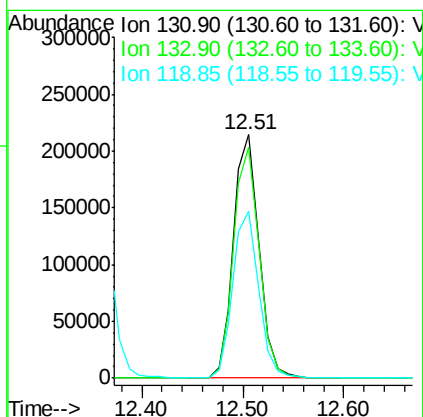
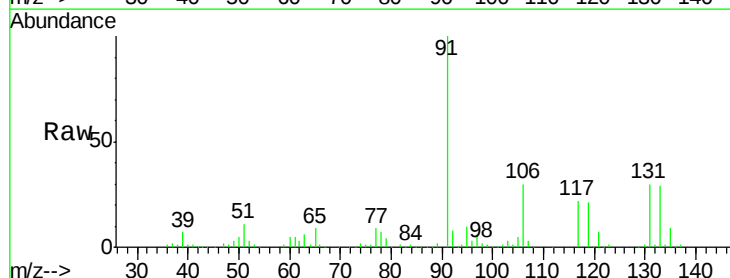
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

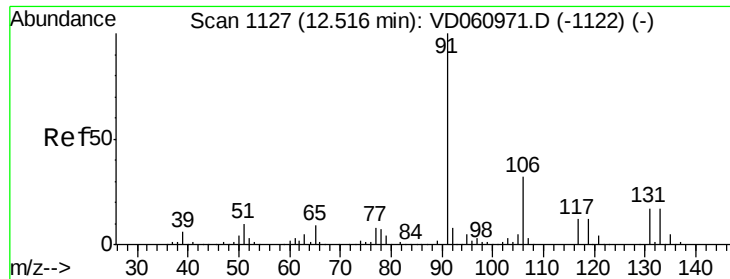
Tot Ion:112 Resp: 921042
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.907 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion:131 Resp: 377249
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 68.3 34.3 102.9

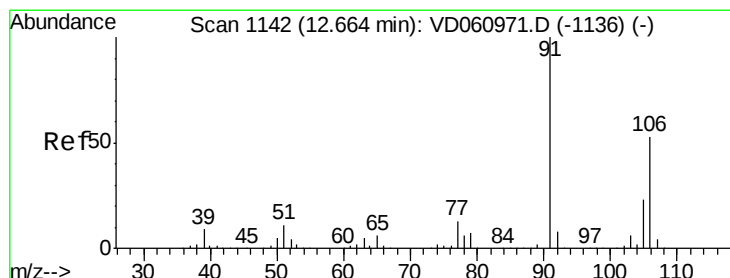
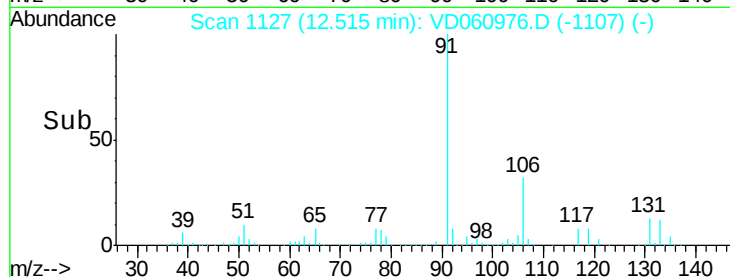
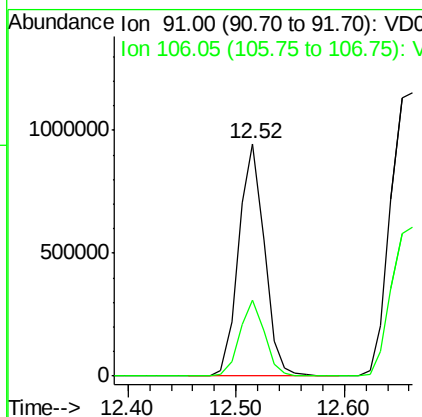
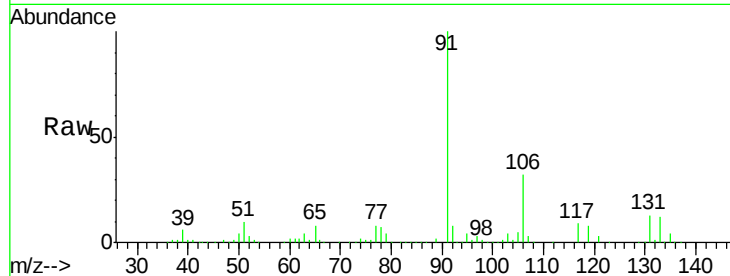




#67
Ethyl Benzene
Concen: 53.545 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

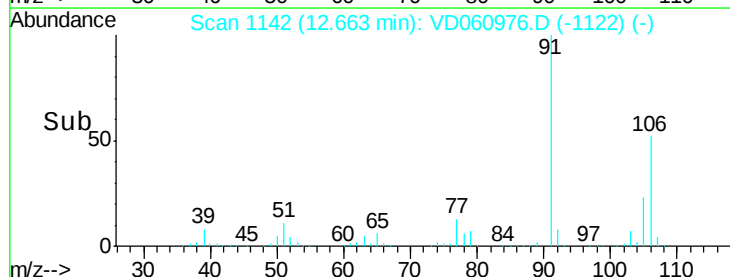
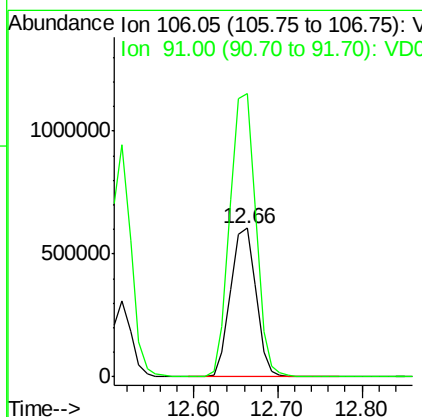
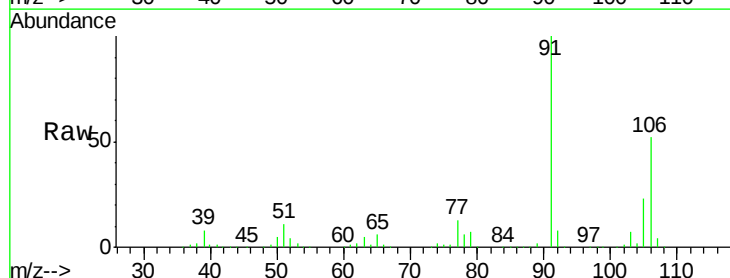
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

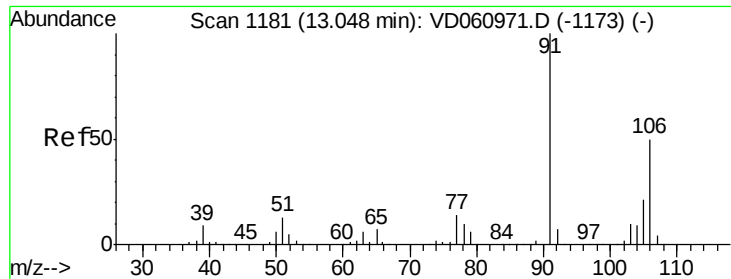
Tot Ion: 91 Resp: 1565043
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 112.022 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 106 Resp: 1285117
Ion Ratio Lower Upper
106 100
91 190.6 152.0 228.0

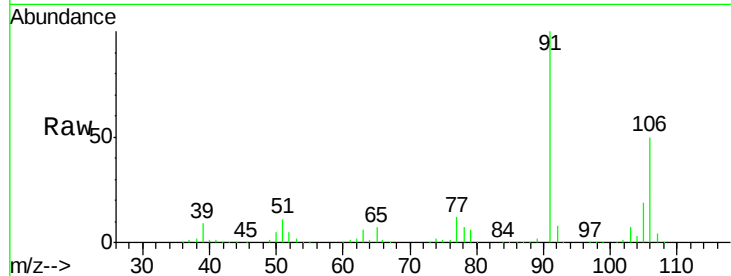




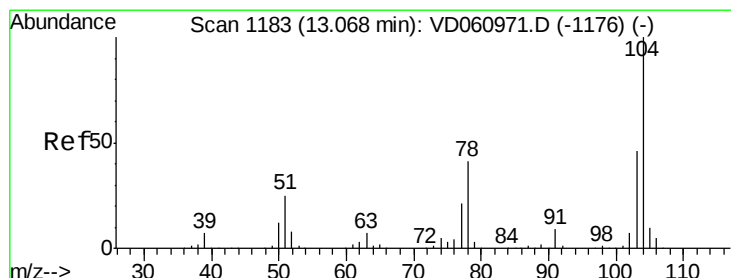
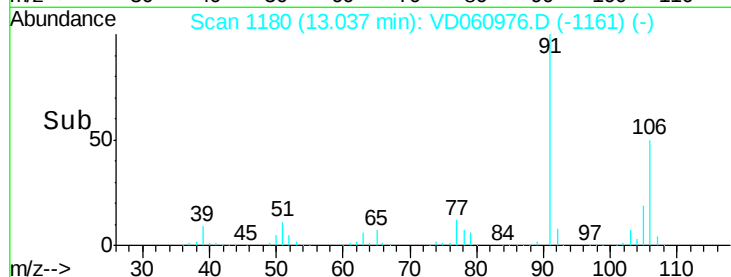
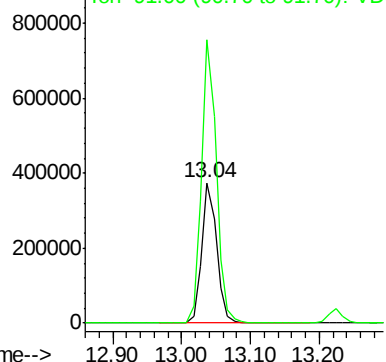
#69
o-Xylene
Concen: 49.705 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 560500
Ion Ratio Lower Upper
106 100
91 201.8 99.8 299.3

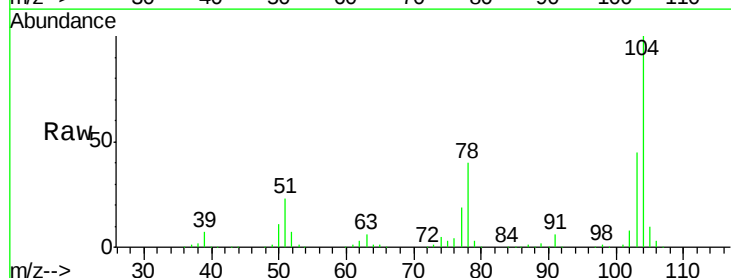


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

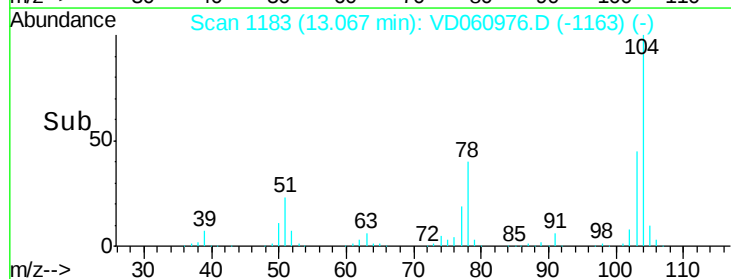
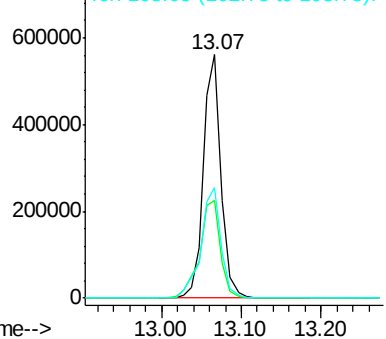


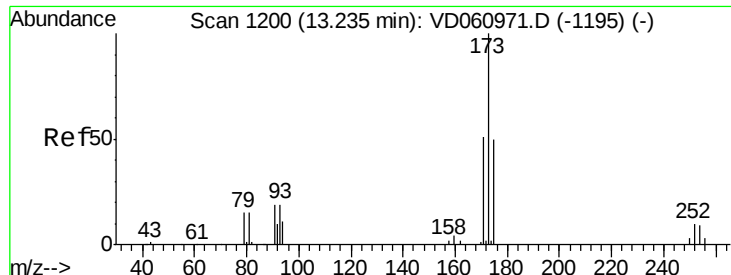
#70
Styrene
Concen: 47.179 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion:104 Resp: 868729
Ion Ratio Lower Upper
104 100
78 40.3 33.0 49.4
103 45.3 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: 49.918 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

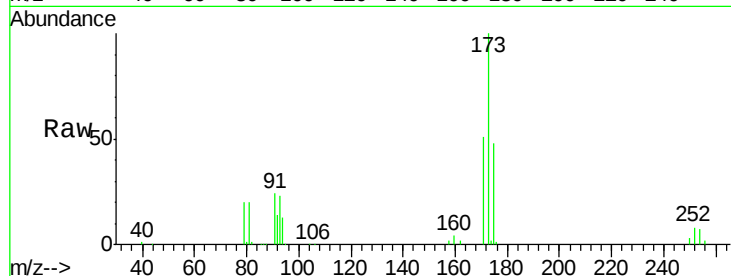
Tot Ion:173 Resp: 225358

Ion Ratio Lower Upper

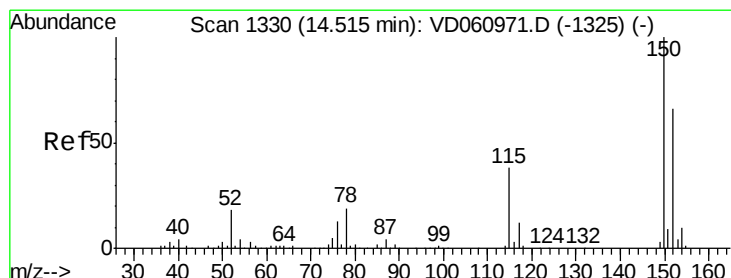
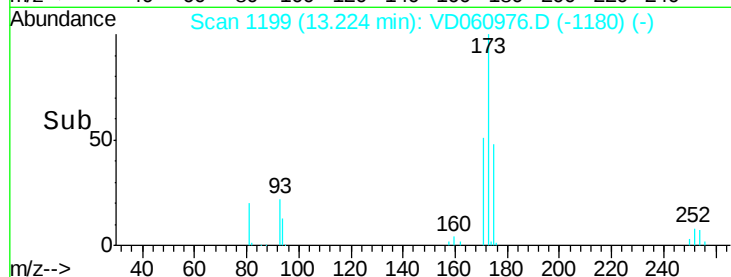
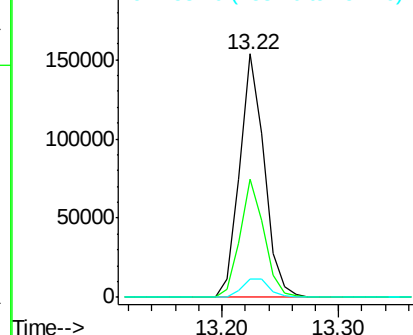
173 100

175 48.3 24.9 74.8

254 7.3 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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

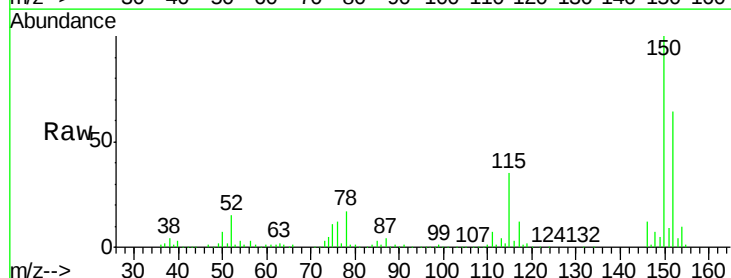
Tgt Ion:152 Resp: 462917

Ion Ratio Lower Upper

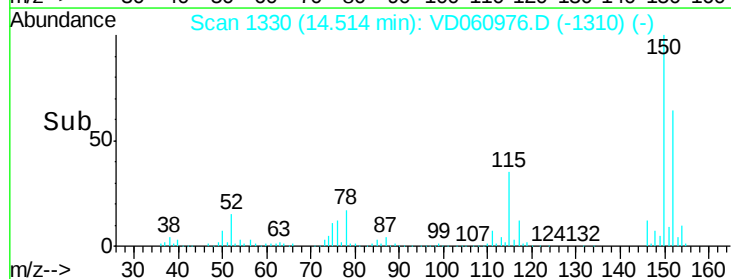
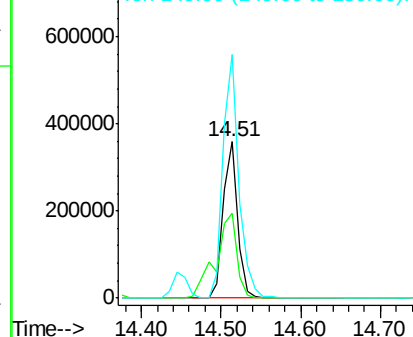
152 100

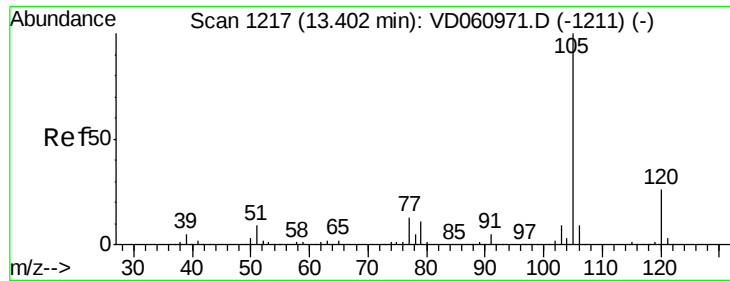
115 54.6 28.6 85.9

150 156.0 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

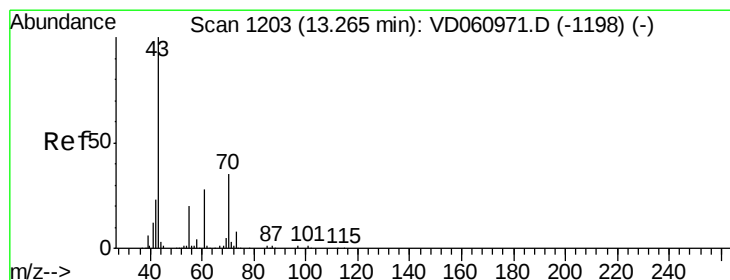
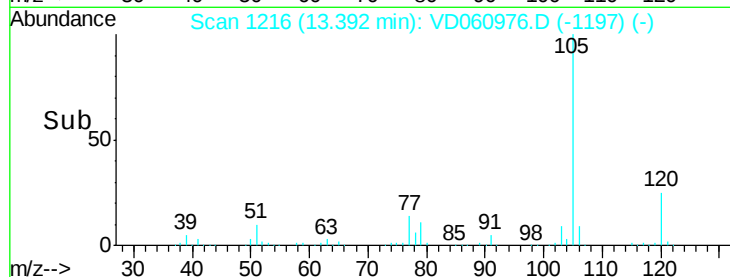
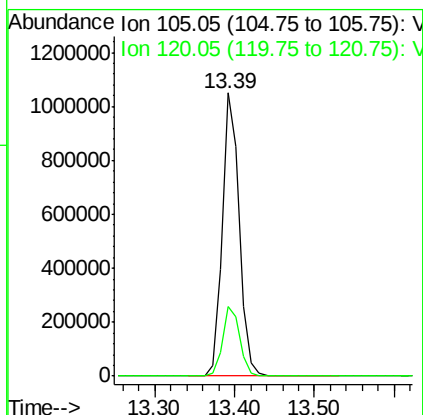
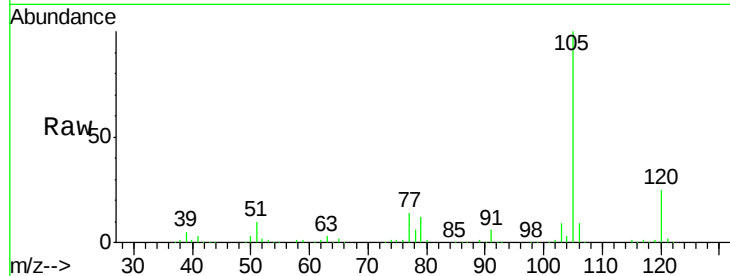




#73
Isopropylbenzene
Concen: 47.301 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

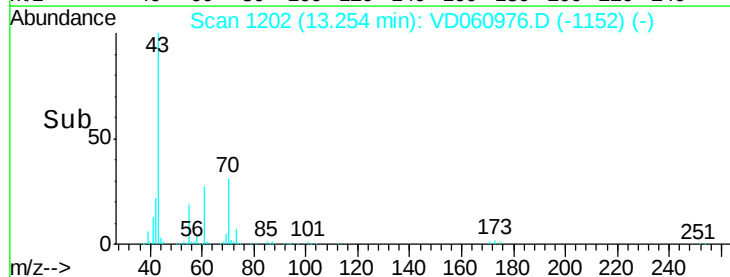
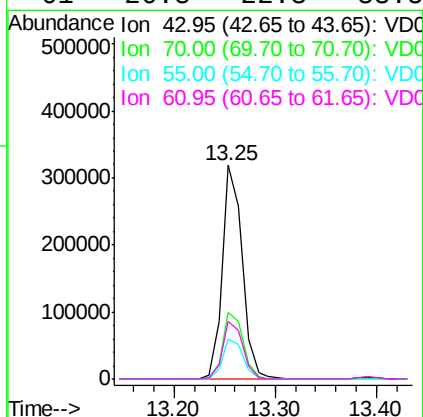
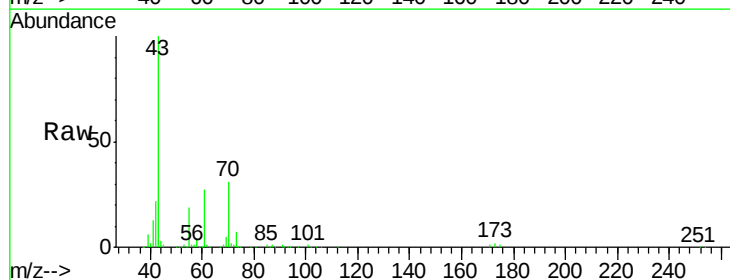
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

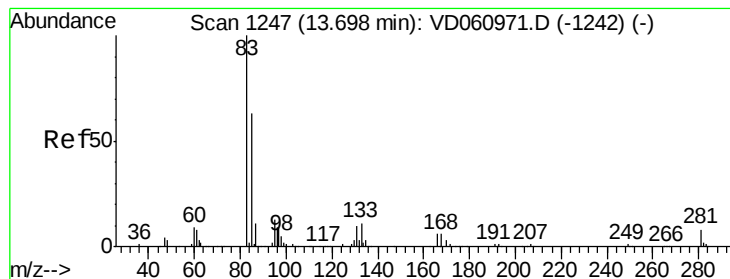
Tot Ion:105 Resp: 1578038
Ion Ratio Lower Upper
105 100
120 24.6 12.8 38.4



#74
N-ethyl acetate
Concen: 46.845 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD060976.D
Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 440049
Ion Ratio Lower Upper
43 100
70 31.2 27.7 41.5
55 18.6 16.2 24.2
61 26.8 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.521 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

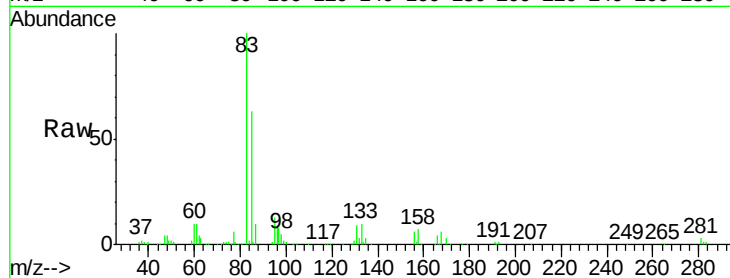
Tot Ion: 83 Resp: 315821

Ion Ratio Lower Upper

83 100

131 9.3 5.1 15.3

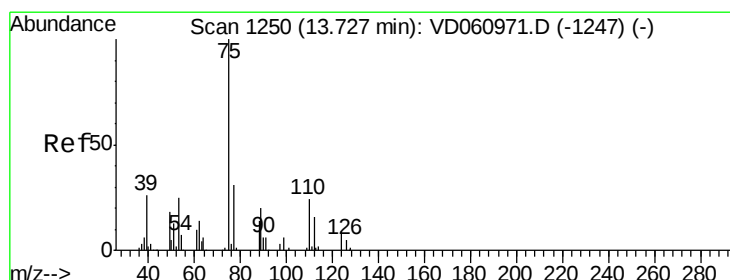
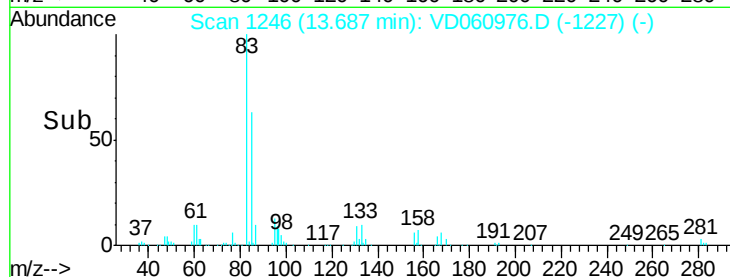
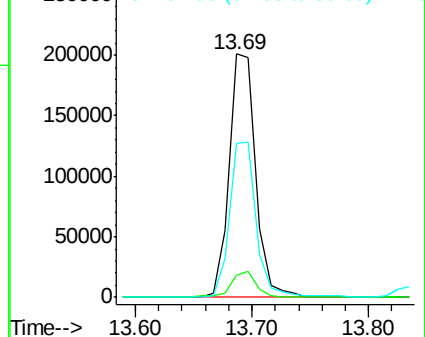
85 63.1 31.5 94.5



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: 45.662 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD060976.D

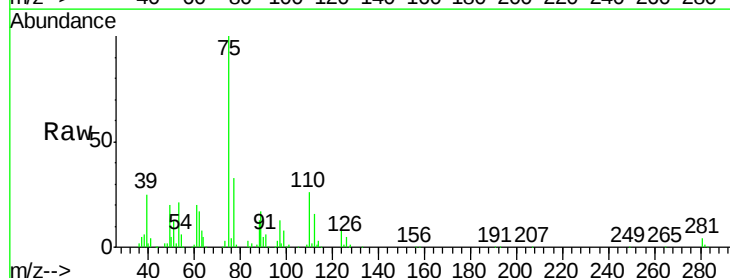
Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 304102

Ion Ratio Lower Upper

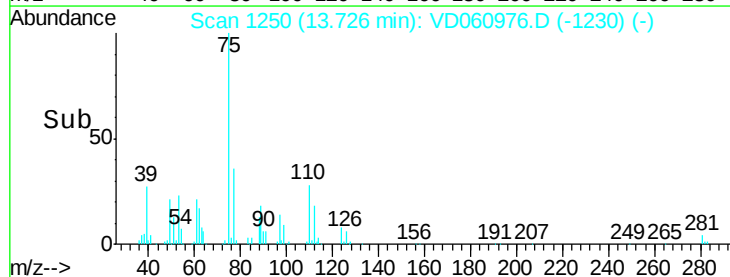
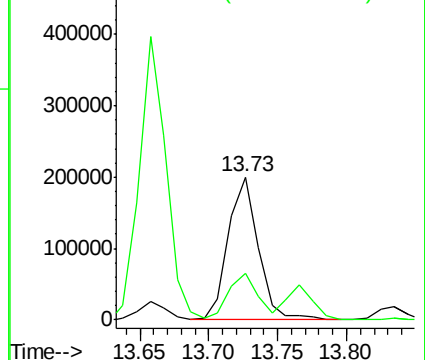
75 100

77 32.6 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: 48.936 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

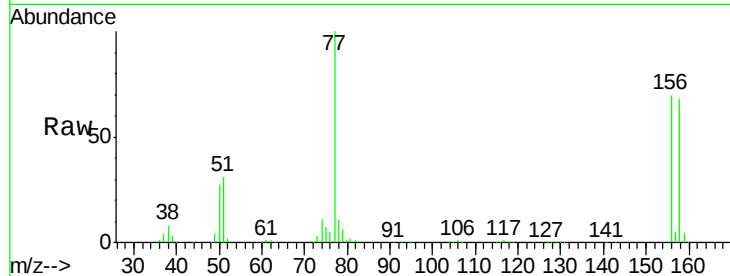
Tot Ion:156 Resp: 416751

Ion Ratio Lower Upper

156 100

77 141.9 55.5 166.7

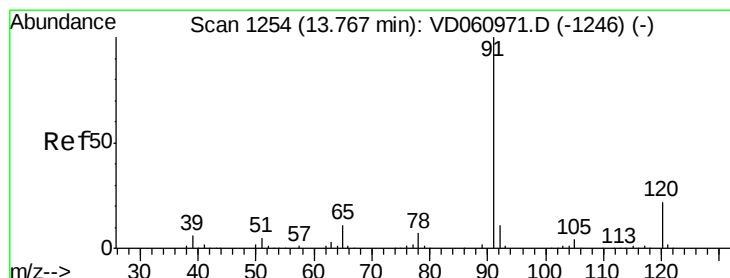
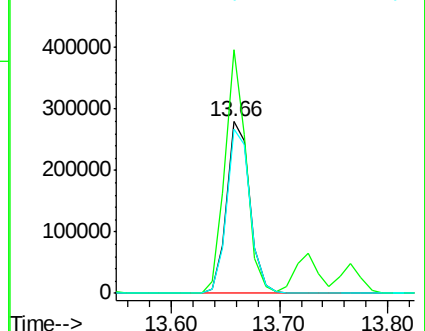
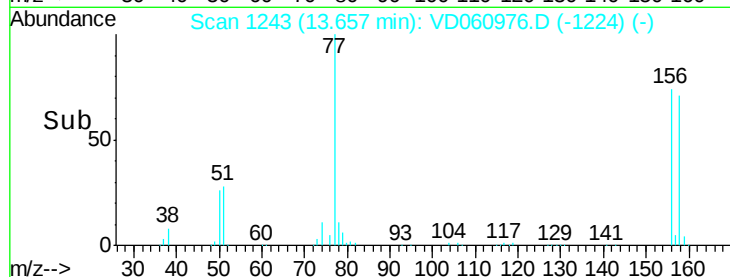
158 96.1 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.146 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060976.D

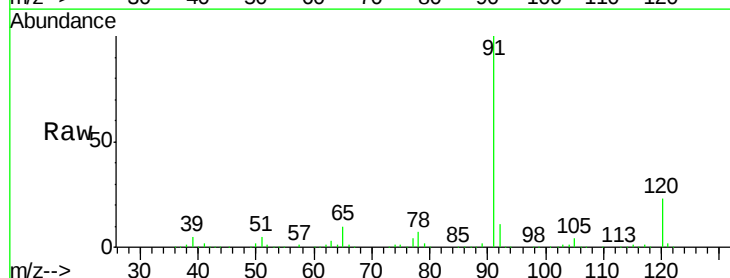
Acq: 8 Mar 2019 10:33

Tgt Ion: 91 Resp: 1802270

Ion Ratio Lower Upper

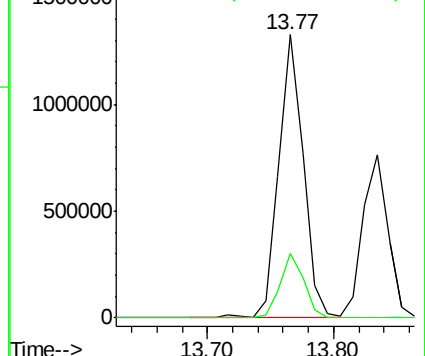
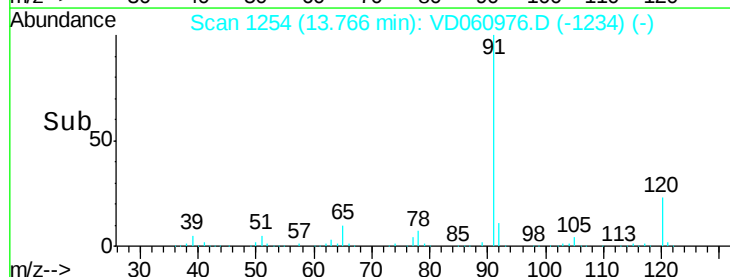
91 100

120 22.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.379 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

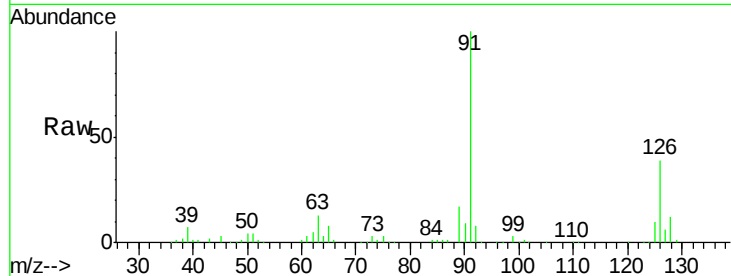
VSTDCCC050

Tot Ion: 91 Resp: 1061739

Ion Ratio Lower Upper

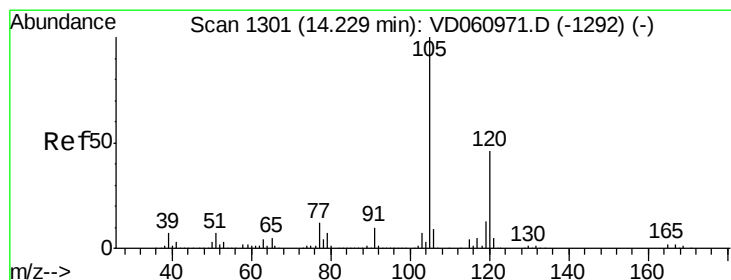
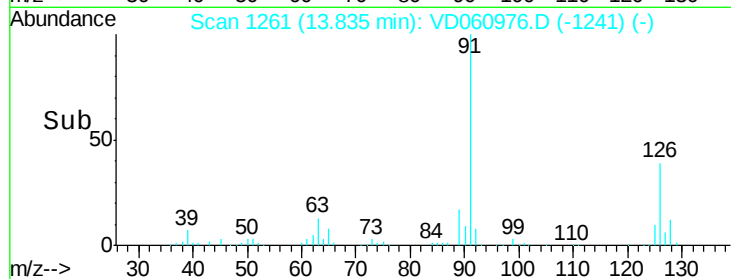
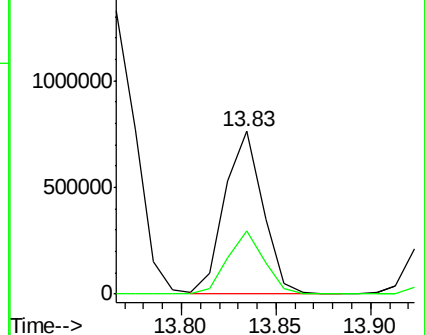
91 100

126 38.7 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060976.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060976.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.183 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060976.D

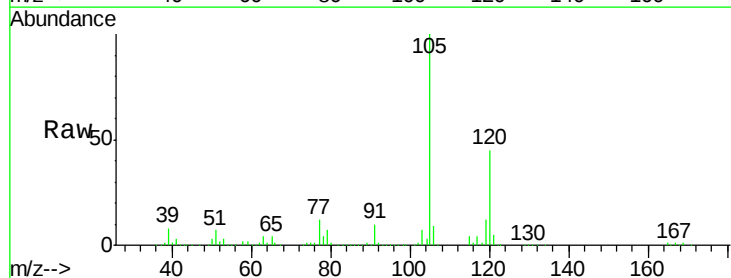
Acq: 8 Mar 2019 10:33

Tgt Ion:105 Resp: 1270982

Ion Ratio Lower Upper

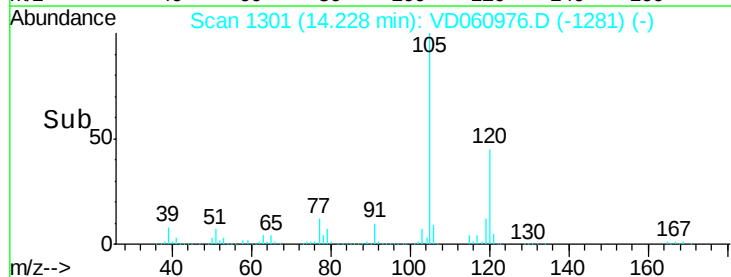
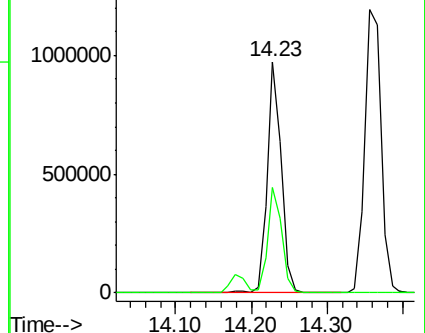
105 100

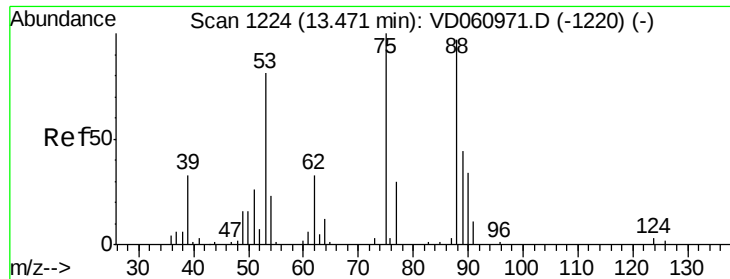
120 45.4 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060976.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060976.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.916 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

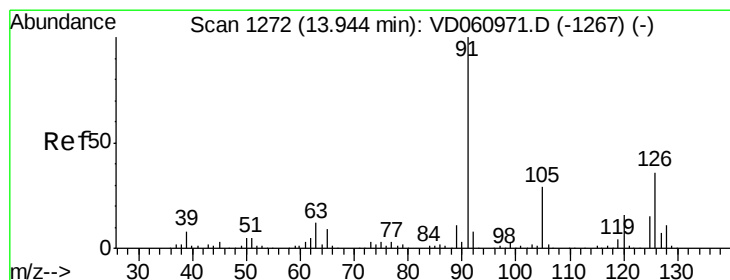
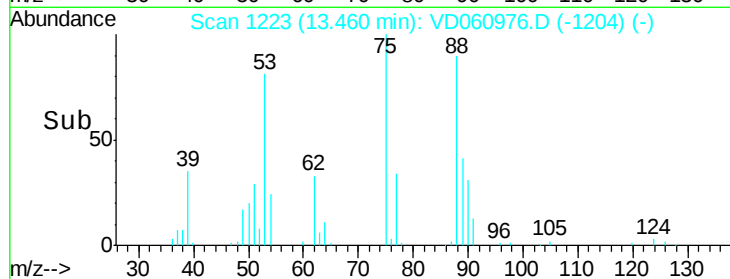
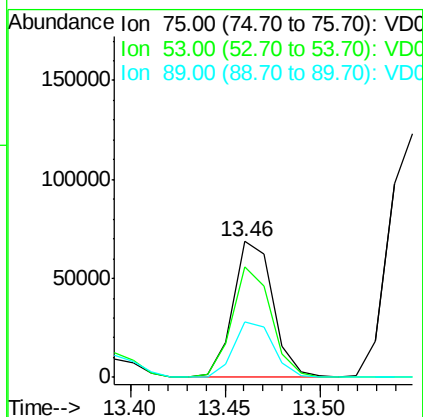
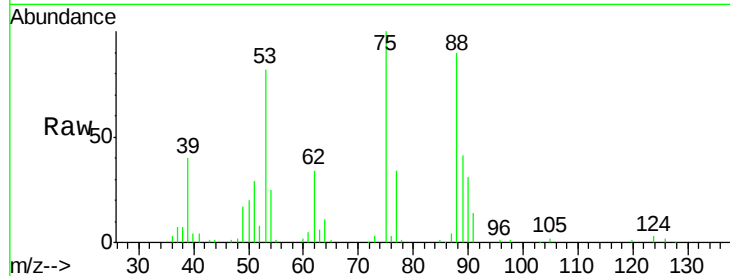
Tot Ion: 75 Resp: 99973

Ion Ratio Lower Upper

75 100

53 81.7 64.4 96.6

89 40.7 34.8 52.2



#82

4-Chlorotoluene

Concen: 45.298 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD060976.D

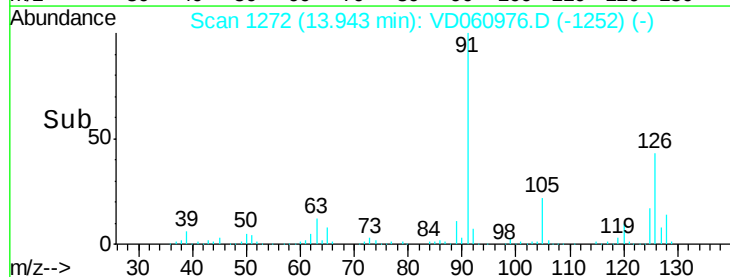
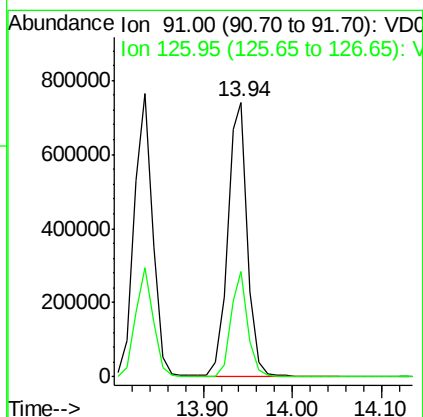
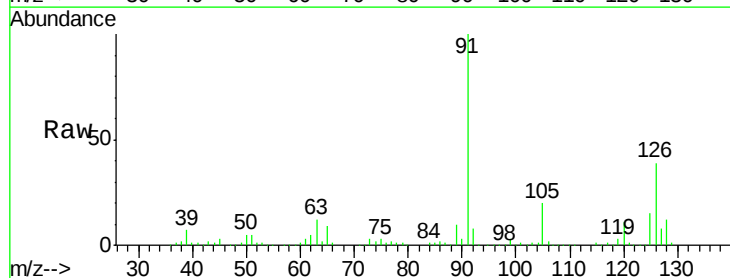
Acq: 8 Mar 2019 10:33

Tgt Ion: 91 Resp: 1151450

Ion Ratio Lower Upper

91 100

126 38.6 18.0 54.0





#83

tert-Butylbenzene

Concen: 54.648 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

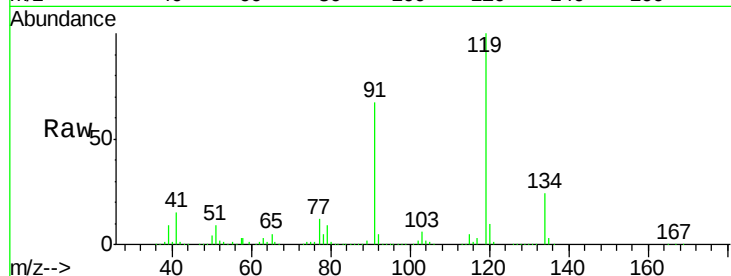
Tot Ion:119 Resp: 1514701

Ion Ratio Lower Upper

119 100

91 66.5 30.1 90.3

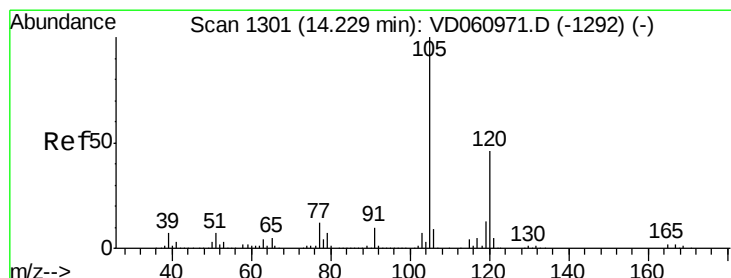
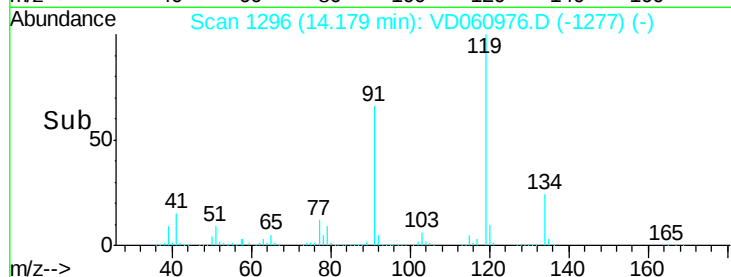
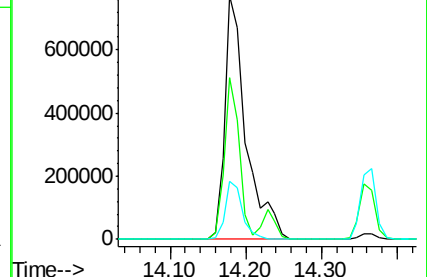
134 24.0 11.6 34.7



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: 50.183 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060976.D

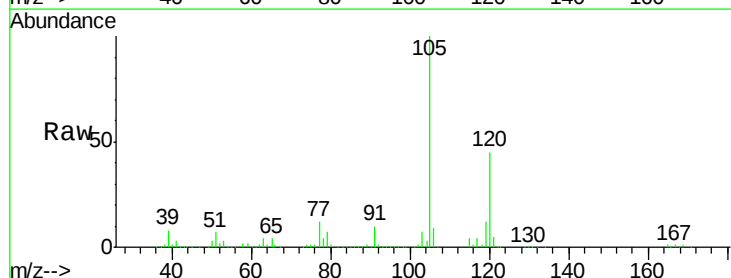
Acq: 8 Mar 2019 10:33

Tgt Ion:105 Resp: 1270982

Ion Ratio Lower Upper

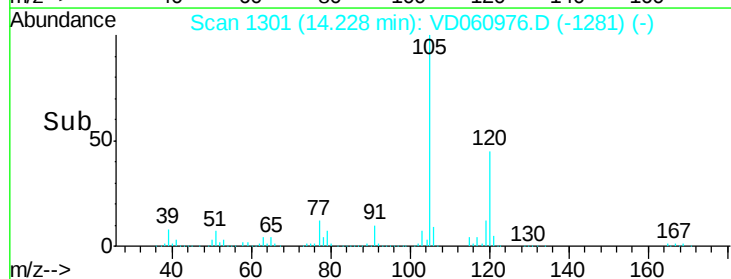
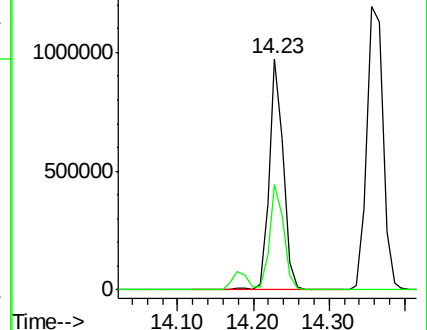
105 100

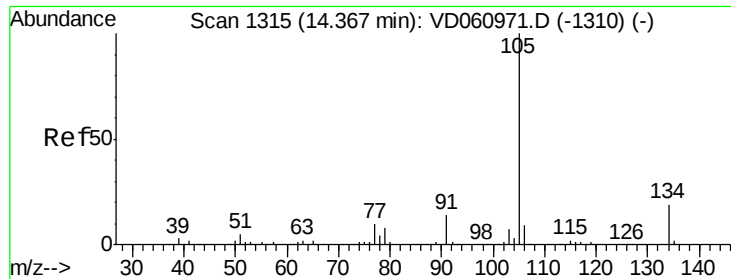
120 45.4 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 51.731 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

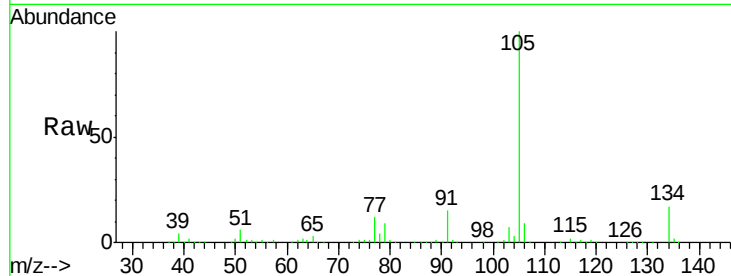
VSTDCCC050

Tot Ion:105 Resp: 1750437

Ion Ratio Lower Upper

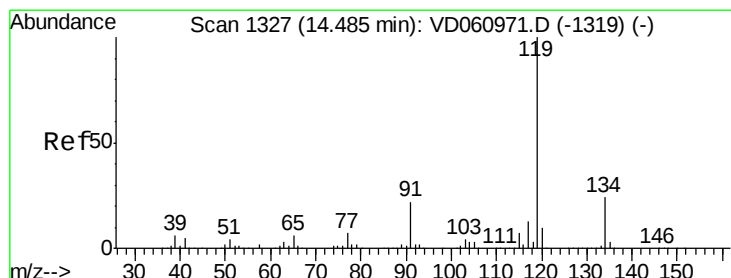
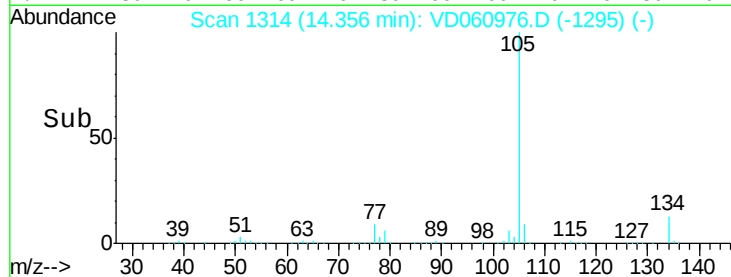
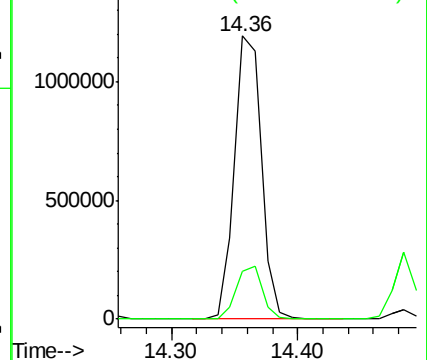
105 100

134 17.1 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: 48.365 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

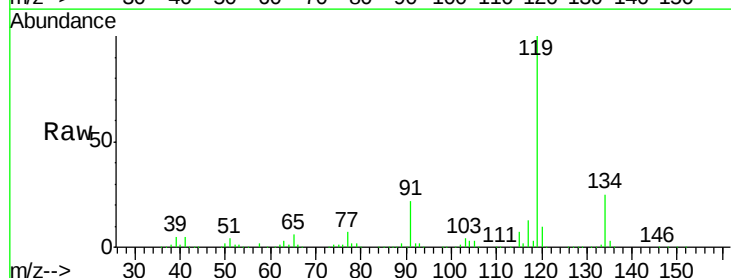
Tgt Ion:119 Resp: 1337699

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

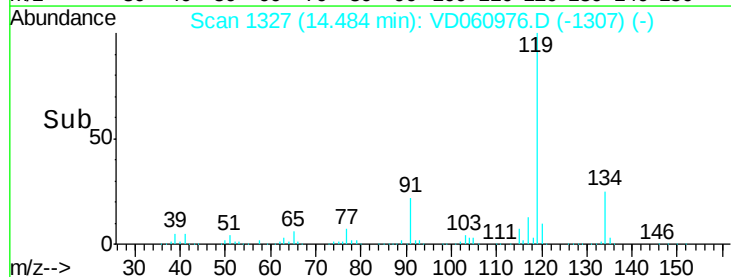
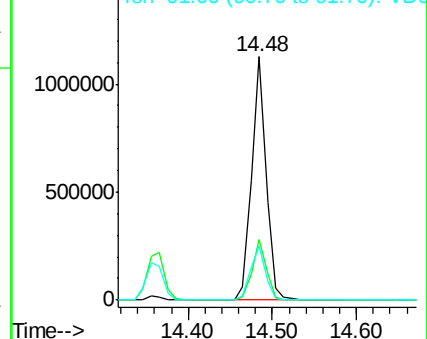
91 22.0 11.2 33.6



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

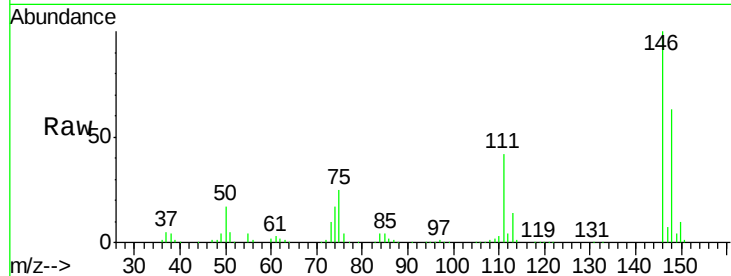




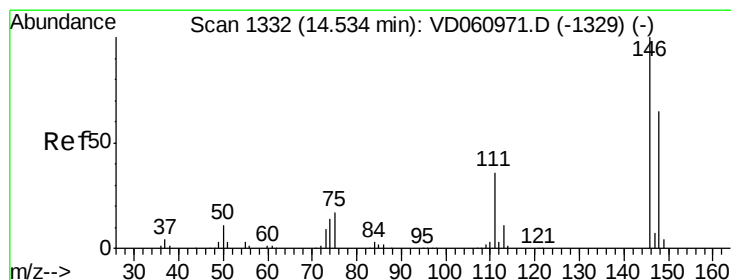
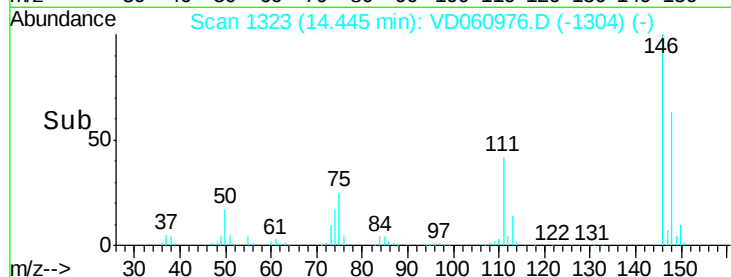
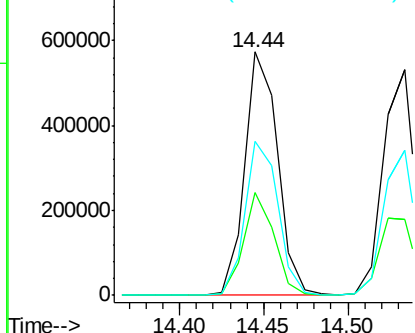
#87
 1,3-Dichlorobenzene
 Concen: 50.953 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 774846
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.4 55.4
 148 63.2 32.5 97.4

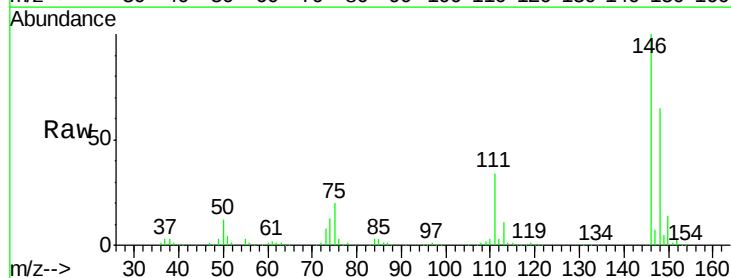


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

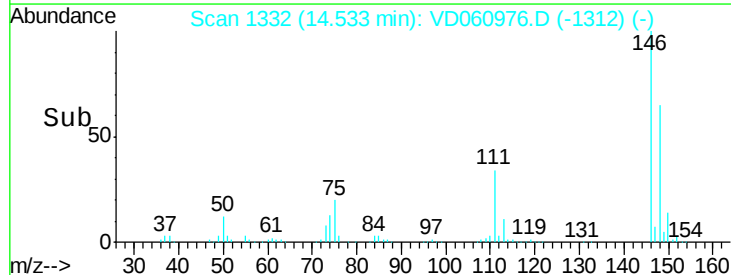
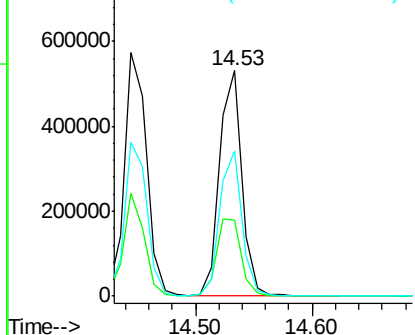


#88
 1,4-Dichlorobenzene
 Concen: 47.168 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion:146 Resp: 704855
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.4 55.2
 148 64.6 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: 45.350 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

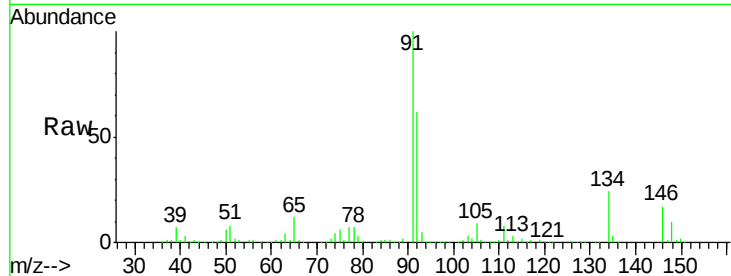
Tot Ion: 91 Resp: 1204550

Ion Ratio Lower Upper

91 100

92 62.4 30.6 91.8

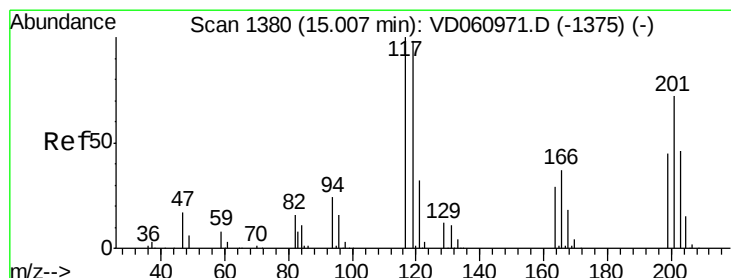
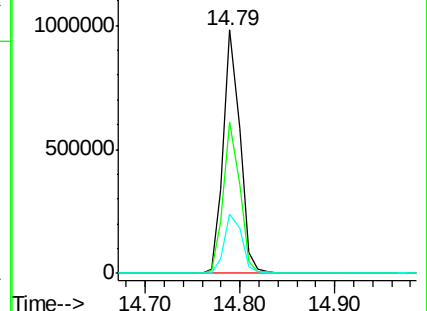
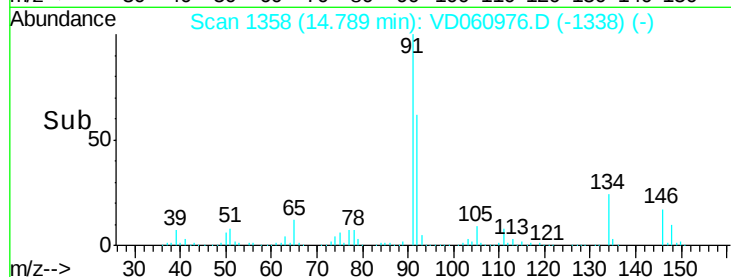
134 24.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.490 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060976.D

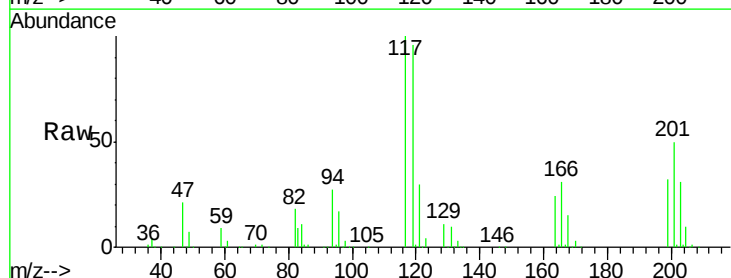
Acq: 8 Mar 2019 10:33

Tgt Ion: 117 Resp: 394330

Ion Ratio Lower Upper

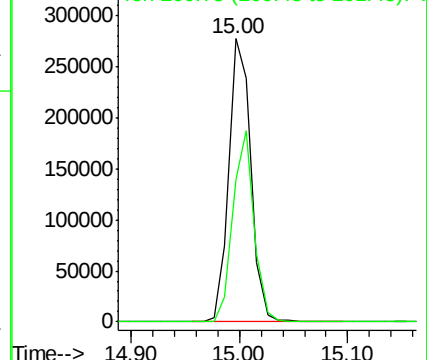
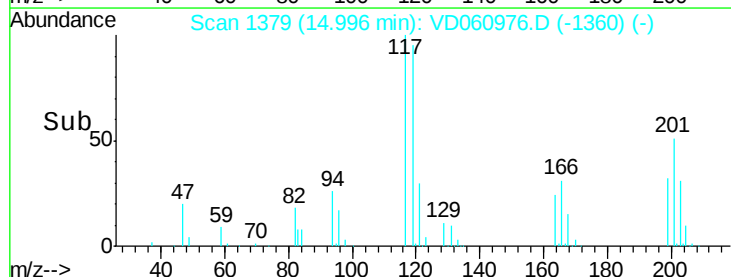
117 100

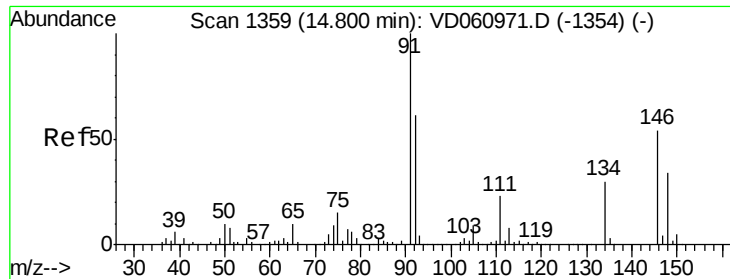
201 50.4 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

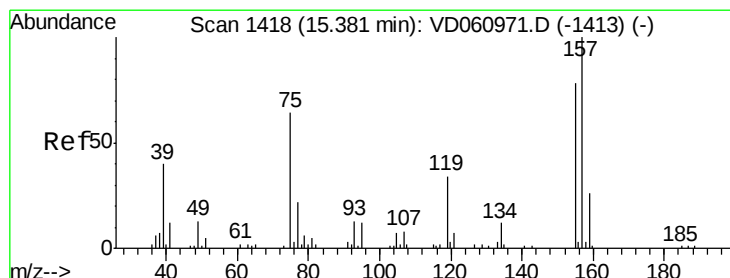
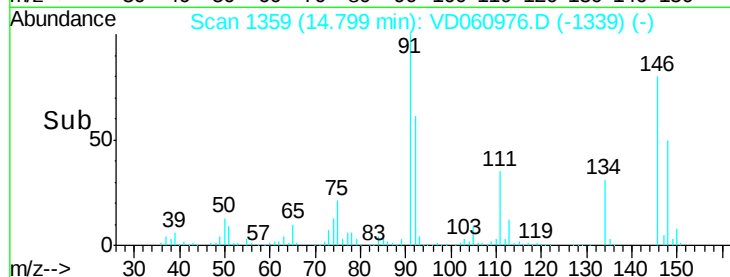
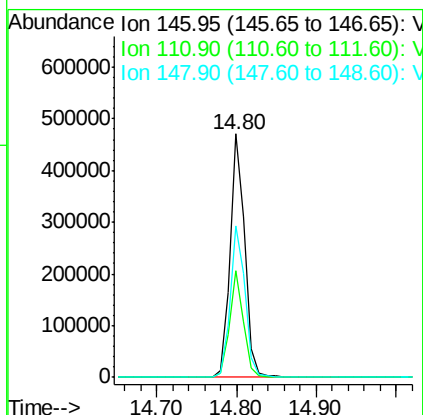
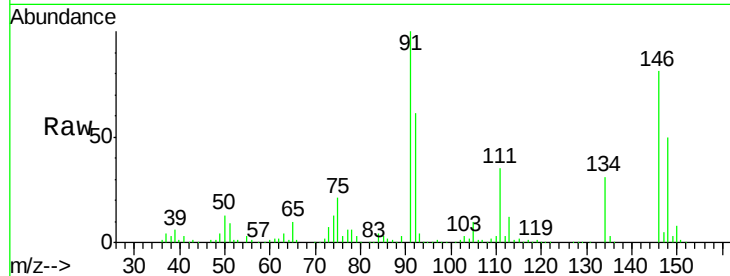




#91
 1,2-Dichlorobenzene
 Concen: 47.941 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

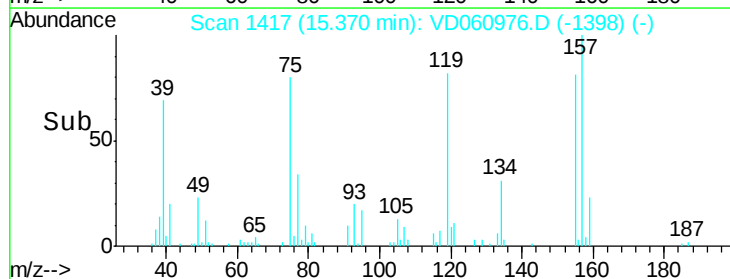
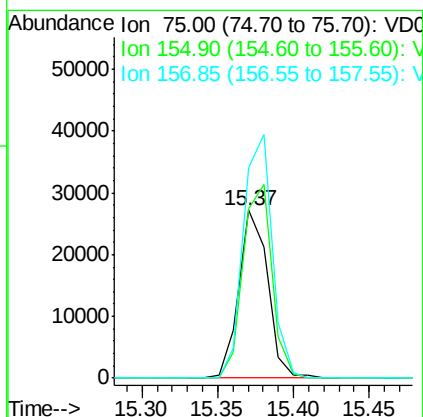
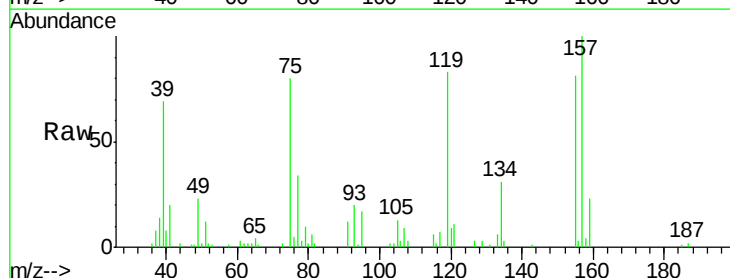
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 607766
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.5 64.5
 148 62.4 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.947 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 36039
 Ion Ratio Lower Upper
 75 100
 155 101.2 61.2 183.5
 157 125.1 78.3 234.8

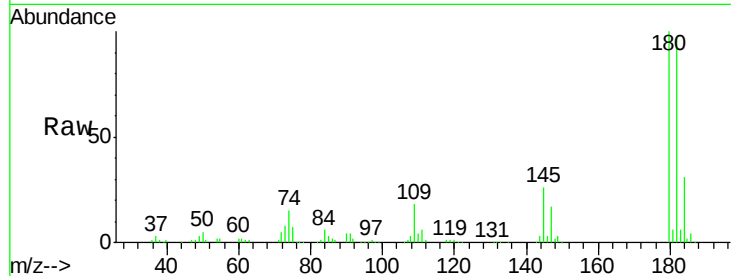




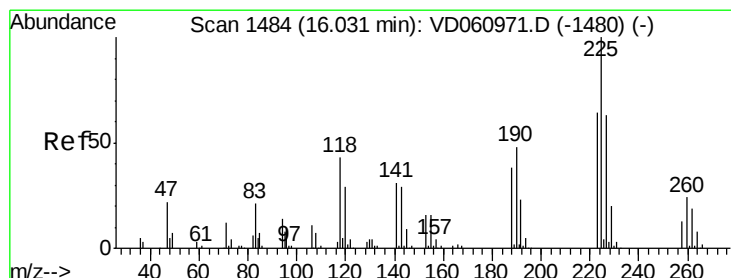
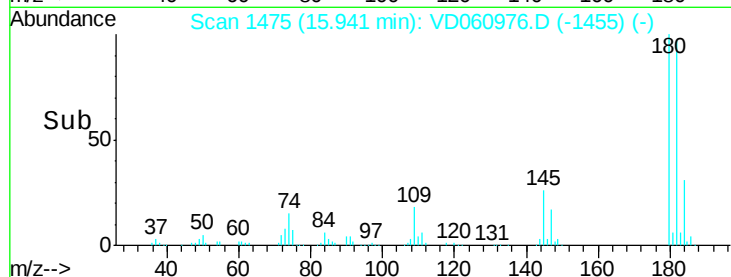
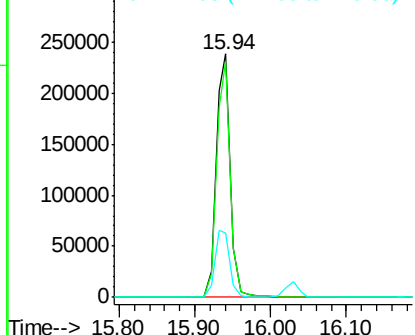
#93
 1,2,4-Trichlorobenzene
 Concen: 53.445 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 314313
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.3 142.0
 145 26.2 14.4 43.0

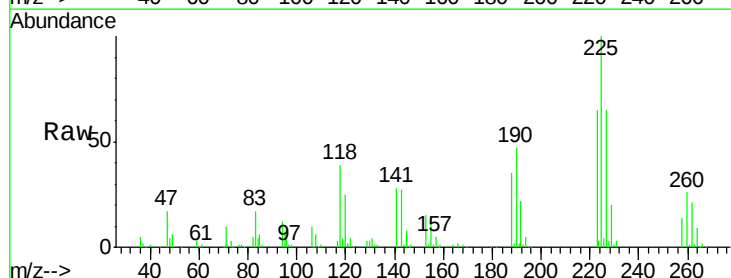


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

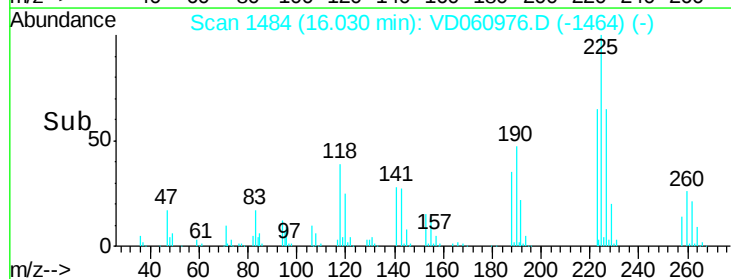
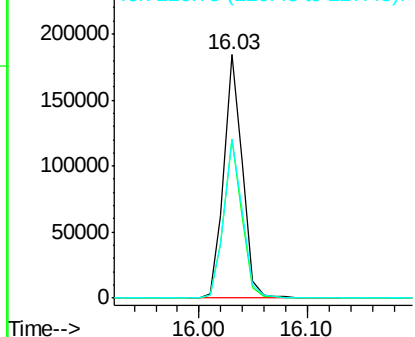


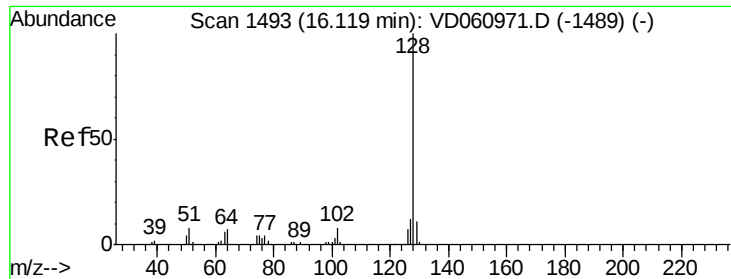
#94
 Hexachlorobutadiene
 Concen: 49.625 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD060976.D
 Acq: 8 Mar 2019 10:33

Tgt Ion:225 Resp: 220747
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.8 95.3
 227 65.2 31.4 94.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 49.551 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

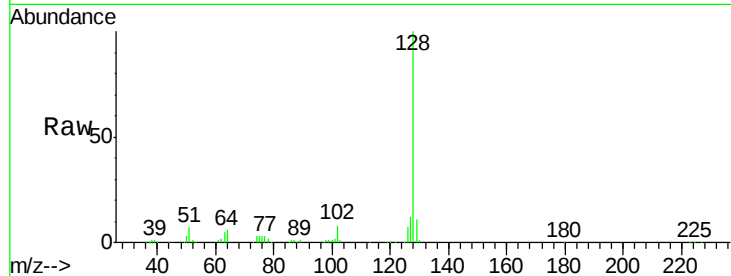
Tot Ion:128 Resp: 442837

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

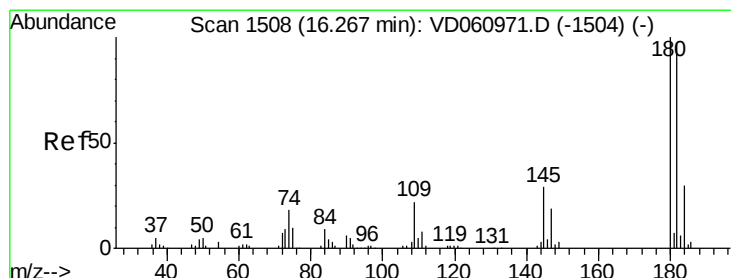
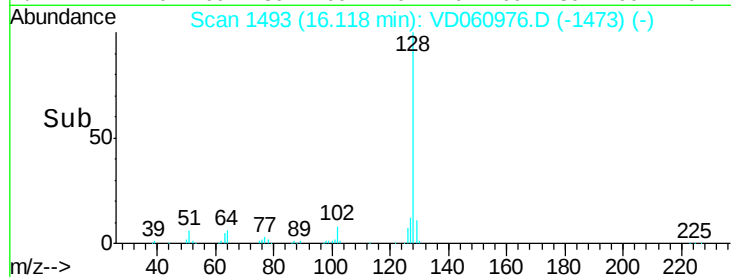
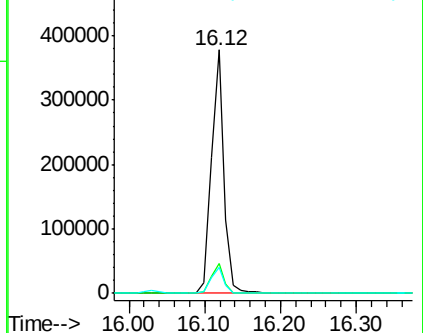
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.332 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

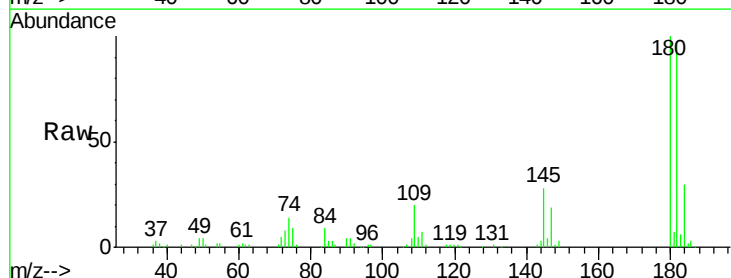
Tgt Ion:180 Resp: 140389

Ion Ratio Lower Upper

180 100

182 97.4 48.6 145.8

145 27.7 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

