

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061202.D
 Acq On : 20 Mar 2019 12:31
 Operator : VA/AP
 Sample : VD0320SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Quant Time: Mar 22 01:58:04 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	774088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1293504	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1047178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	441788	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	305829	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	6.92	113	468171	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	10.39	98	1094282	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
62) 4-Bromofluorobenzene	13.54	95	412420	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	150369	19.610	ug/l	98
3) Chloromethane	1.76	50	117112	18.334	ug/l	95
4) Vinyl Chloride	1.86	62	107708	18.249	ug/l	96
5) Bromomethane	2.15	94	20087	16.545	ug/l #	83
6) Chloroethane	2.26	64	29582	16.744	ug/l #	81
7) Trichlorofluoromethane	2.54	101	159033	18.756	ug/l	99
8) Diethyl Ether	2.87	74	51390	18.372	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	185854	19.606	ug/l	98
10) Methyl Iodide	3.31	142	206780	17.844	ug/l	98
11) Tert butyl alcohol	4.06	59	37923	92.450	ug/l	98
12) 1,1-Dichloroethene	3.13	96	145604	18.739	ug/l	94
13) Acrolein	3.04	56	39689	66.871	ug/l	95
14) Allyl chloride	3.62	41	204832	16.476	ug/l	96
15) Acrylonitrile	4.18	53	125719	86.716	ug/l	91
16) Acetone	3.22	43	175117	95.041	ug/l	98
17) Carbon Disulfide	3.38	76	461446	17.605	ug/l	98
18) Methyl Acetate	3.64	43	55828	15.396	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	256247	18.817	ug/l	93
20) Methylene Chloride	3.82	84	173128	17.584	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	159232	18.933	ug/l	96
22) Diisopropyl ether	5.11	45	440284	17.060	ug/l	92
23) Vinyl Acetate	5.05	43	1134176	85.607	ug/l	99
24) 1,1-Dichloroethane	4.98	63	249849	17.669	ug/l	98
25) 2-Butanone	6.06	43	186943	89.413	ug/l	98
26) 2,2-Dichloropropane	6.01	77	211390	19.150	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	171469	19.216	ug/l	91
28) Bromochloromethane	6.43	49	102059	17.049	ug/l	97
29) Tetrahydrofuran	6.45	42	90005	79.279	ug/l	94
30) Chloroform	6.65	83	274597	18.737	ug/l	97
31) Cyclohexane	6.94	56	196688	17.251	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	241195	19.036	ug/l	99
36) 1,1-Dichloropropene	7.14	75	209501	18.790	ug/l	99
37) Ethyl Acetate	6.17	43	76562	14.633	ug/l	99
38) Carbon Tetrachloride	7.11	117	243290	19.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	220076	19.035	ug/l	99
40) Benzene	7.45	78	529544	19.007	ug/l	99
41) Methacrylonitrile	6.44	41	102354	17.007	ug/l	99
42) 1,2-Dichloroethane	7.57	62	152871	18.908	ug/l	98
43) Isopropyl Acetate	9.23	43	111431	15.377	ug/l #	92
44) Trichloroethene	8.53	130	196111	20.403	ug/l	95
45) 1,2-Dichloropropane	8.93	63	129107	17.639	ug/l	99
46) Dibromomethane	9.05	93	81107	17.469	ug/l	97
47) Bromodichloromethane	9.36	83	195947	18.702	ug/l	95
48) Methyl methacrylate	9.10	41	75532	18.512	ug/l	97
49) 1,4-Dioxane	9.07	88	15688	380.238	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	384022	86.499	ug/l	96
52) Toluene	10.50	92	297269	17.159	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	169882	17.732	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	212870	18.493	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	105493	18.285	ug/l	97
56) Ethyl methacrylate	11.03	69	110030	18.220	ug/l	96
57) 1,3-Dichloropropane	11.40	76	152748	17.716	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	290310	90.819	ug/l	98
59) 2-Hexanone	11.53	43	289566	89.165	ug/l	97
60) Dibromochloromethane	11.67	129	155855	18.355	ug/l	98
61) 1,2-Dibromoethane	11.79	107	118335	17.631	ug/l	98
64) Tetrachloroethene	11.25	164	135703	19.197	ug/l	98
65) Chlorobenzene	12.39	112	398901	19.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	142359	19.454	ug/l	99
67) Ethyl Benzene	12.51	91	571346	18.694	ug/l	97
68) m/p-Xylenes	12.66	106	476649	39.735	ug/l	96
69) o-Xylene	13.04	106	209382	17.757	ug/l	98
70) Styrene	13.06	104	356217	18.501	ug/l	99
71) Bromoform	13.23	173	83895	17.772	ug/l	95
73) Isopropylbenzene	13.40	105	635217	19.951	ug/l	100
74) N-amyl acetate	13.26	43	156629	17.471	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	109197	17.579	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	119691	18.831	ug/l	98
77) Bromobenzene	13.66	156	159168	19.584	ug/l	96
78) n-propylbenzene	13.77	91	688518	18.472	ug/l	95
79) 2-Chlorotoluene	13.83	91	432901	21.096	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	462602	19.139	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	35041	18.700	ug/l	97
82) 4-Chlorotoluene	13.94	91	463669	19.113	ug/l	97
83) tert-Butylbenzene	14.18	119	558896	21.129	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	462602	19.139	ug/l	95
85) sec-Butylbenzene	14.36	105	671191	20.784	ug/l	98
86) p-Isopropyltoluene	14.48	119	559238	21.186	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	303662	20.924	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	270480	18.966	ug/l	99
89) n-Butylbenzene	14.79	91	501465	19.783	ug/l	96
90) Hexachloroethane	15.00	117	148246	19.889	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	255686	21.133	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13626	18.203	ug/l	90

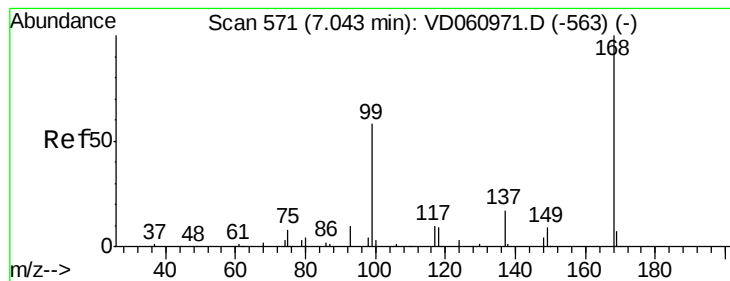
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	105495	18.796	ug/l	98
94) Hexachlorobutadiene	16.04	225	84657	19.941	ug/l	94
95) Naphthalene	16.11	128	160041	18.764	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	44239	15.959	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

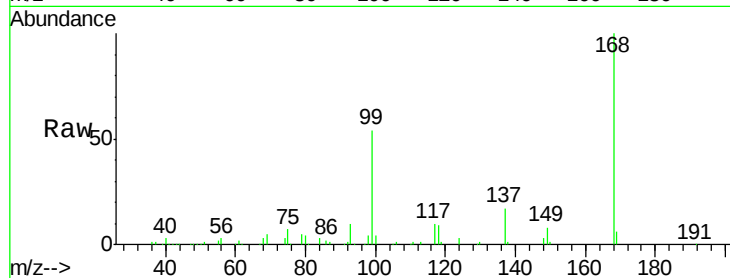
VD0320SBS01

Tot Ion:168 Resp: 774088

Ion Ratio Lower Upper

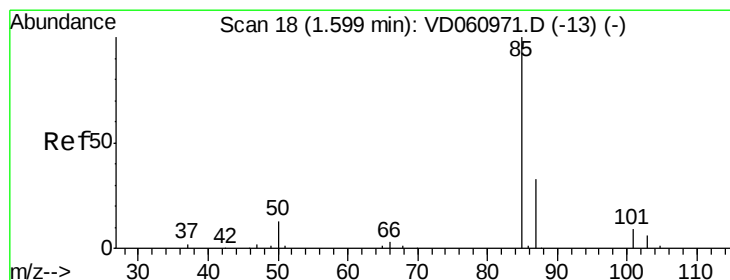
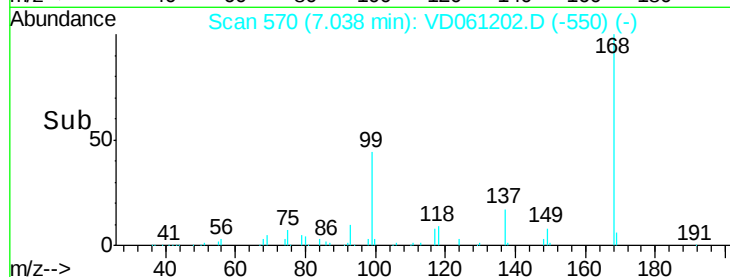
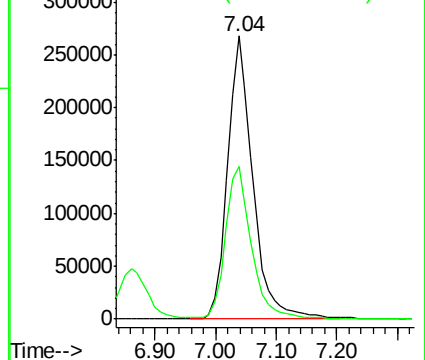
168 100

99 53.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.610 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061202.D

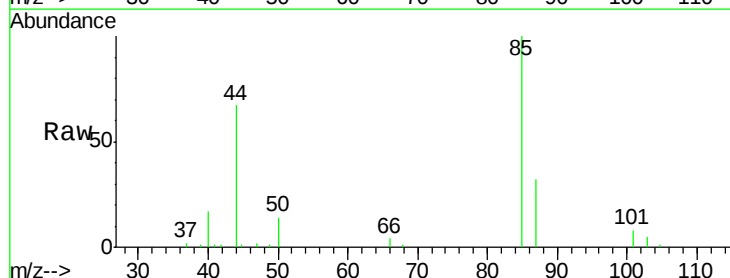
Acq: 20 Mar 2019 12:31

Tgt Ion: 85 Resp: 150369

Ion Ratio Lower Upper

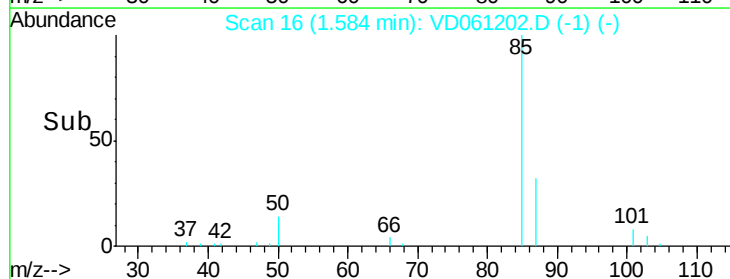
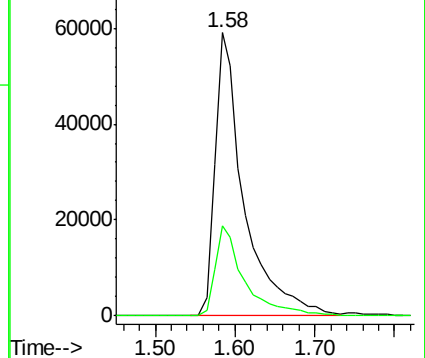
85 100

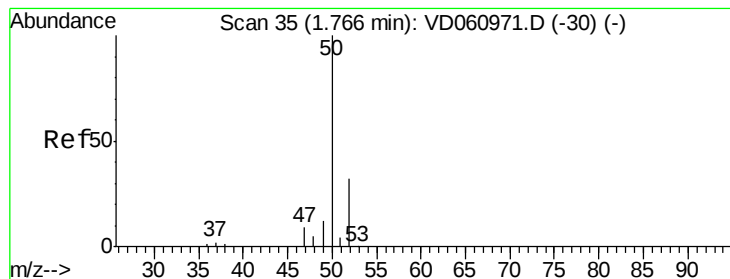
87 32.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.334 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

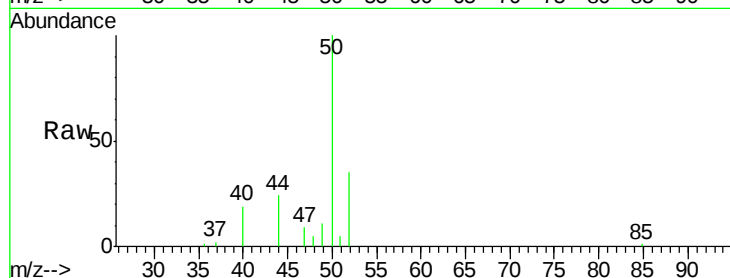
VD0320SBS01

Tot Ion: 50 Resp: 117112

Ion Ratio Lower Upper

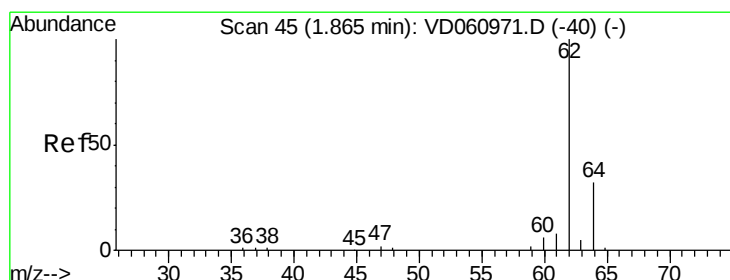
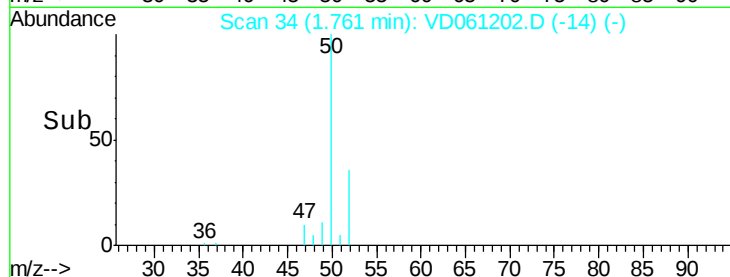
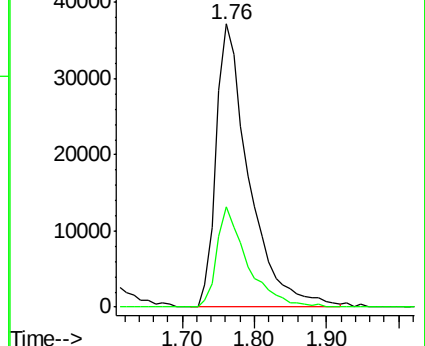
50 100

52 35.4 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: 18.249 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061202.D

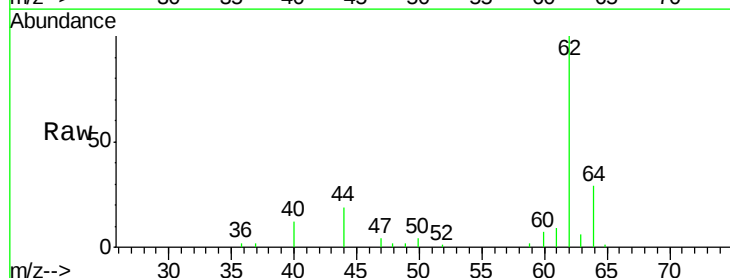
Acq: 20 Mar 2019 12:31

Tgt Ion: 62 Resp: 107708

Ion Ratio Lower Upper

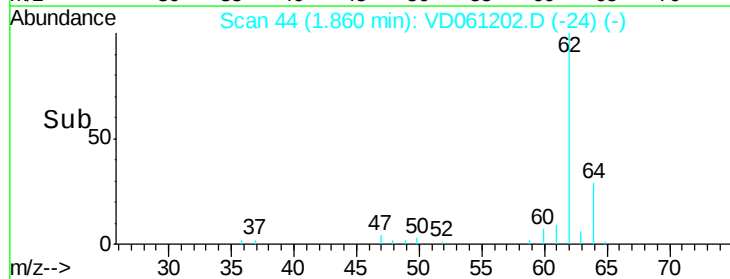
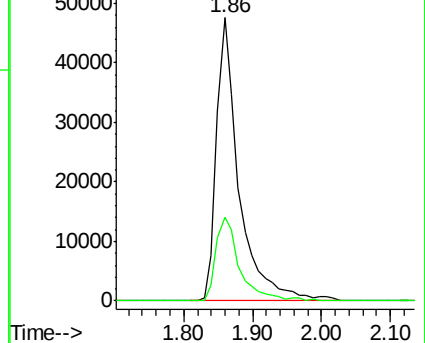
62 100

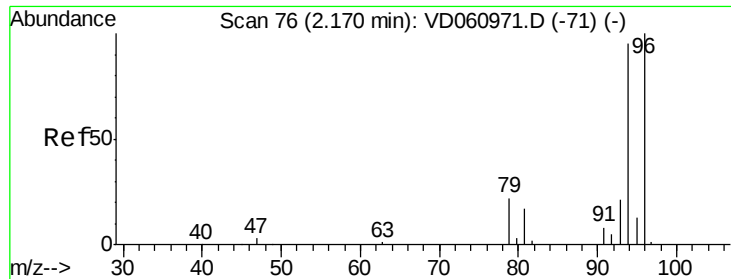
64 29.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.545 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

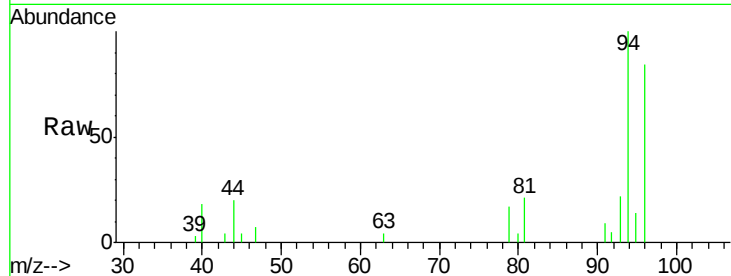
Tot Ion: 94 Resp: 20087

Ion Ratio Lower Upper

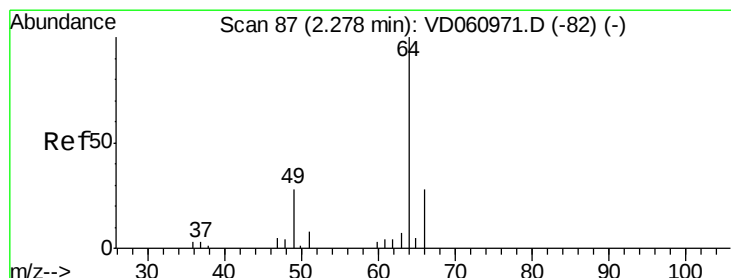
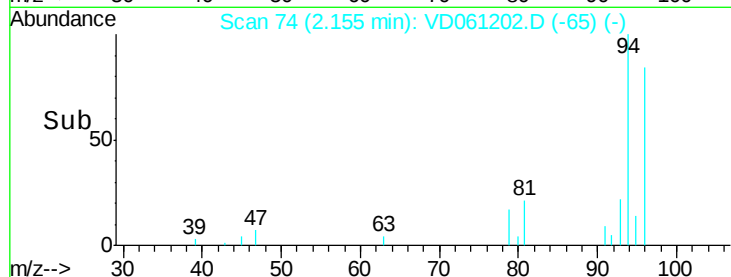
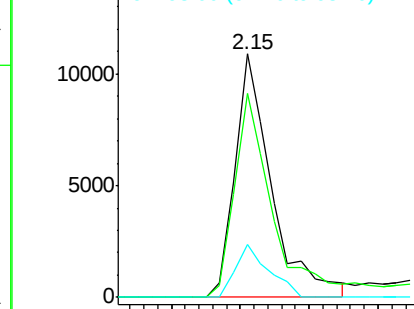
94 100

96 83.9 84.0 126.0#

93 21.6 17.3 25.9



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



#6

Chloroethane

Concen: 16.744 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061202.D

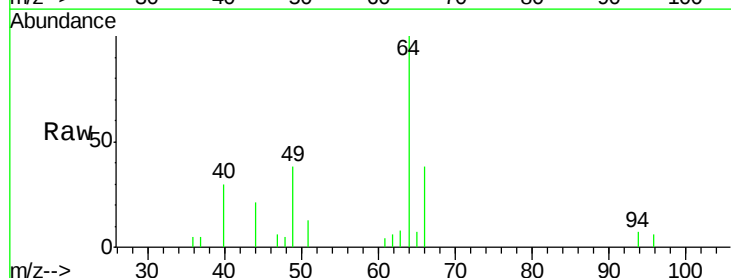
Acq: 20 Mar 2019 12:31

Tgt Ion: 64 Resp: 29582

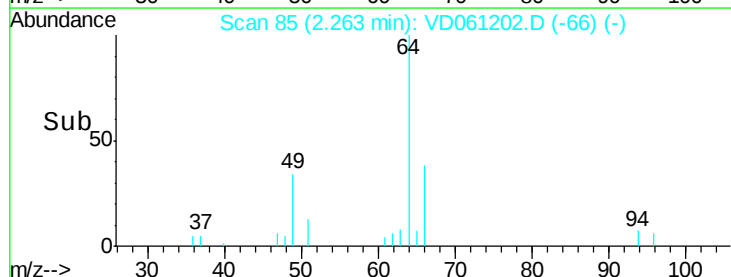
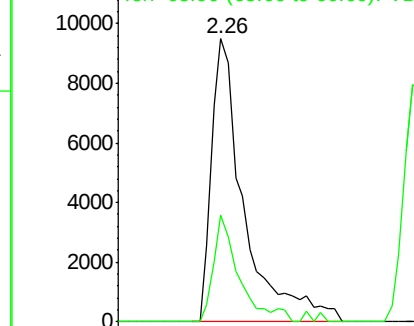
Ion Ratio Lower Upper

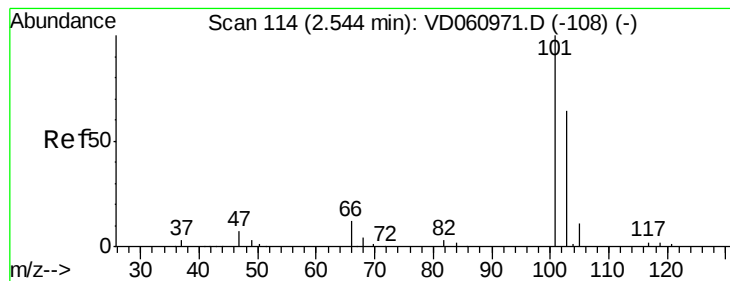
64 100

66 37.6 22.2 33.2#



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



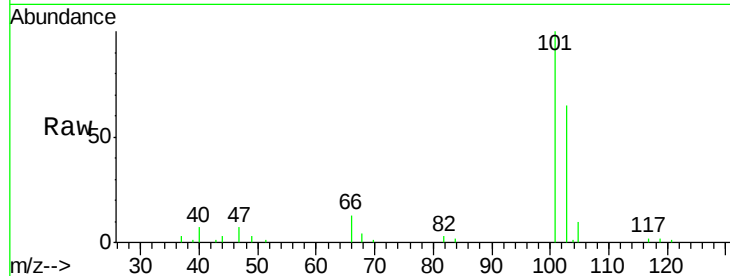


#7

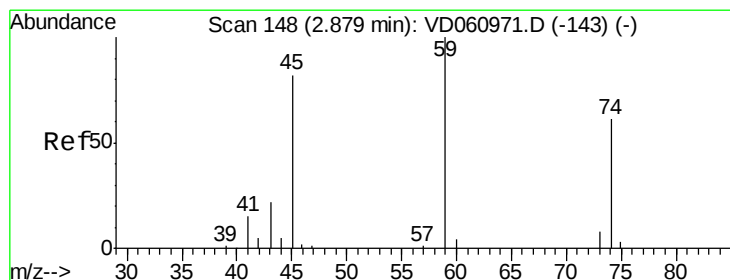
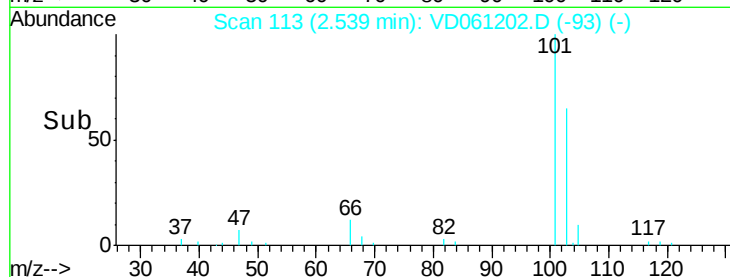
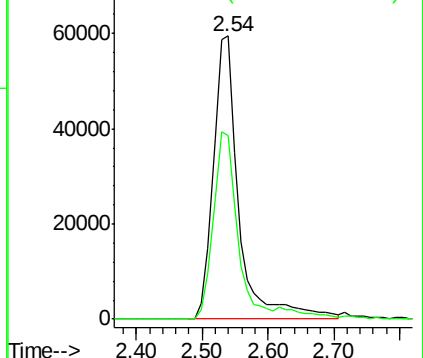
Trichlorofluoromethane
Concen: 18.756 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 159033
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8



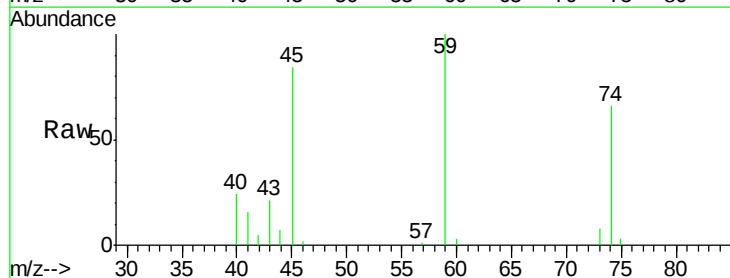
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



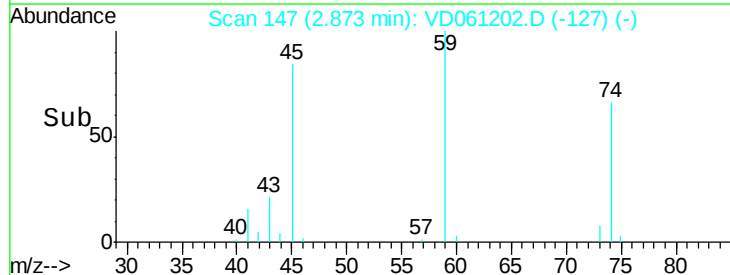
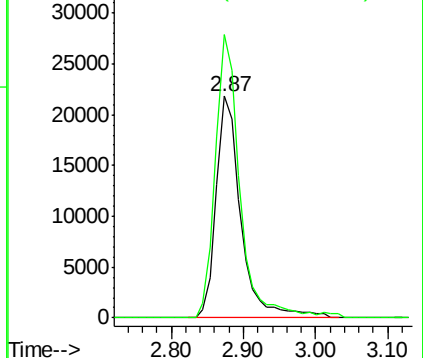
#8

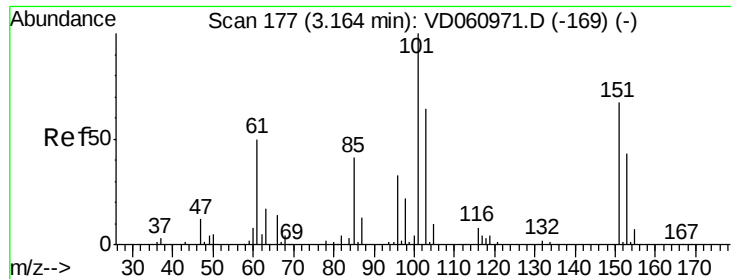
Diethyl Ether
Concen: 18.372 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 74 Resp: 51390
Ion Ratio Lower Upper
74 100
45 127.9 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.606 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

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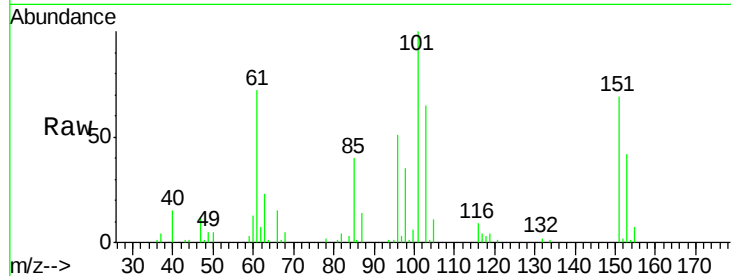
Tot Ion:101 Resp: 185854

Ion Ratio Lower Upper

101 100

85 40.1 32.5 48.7

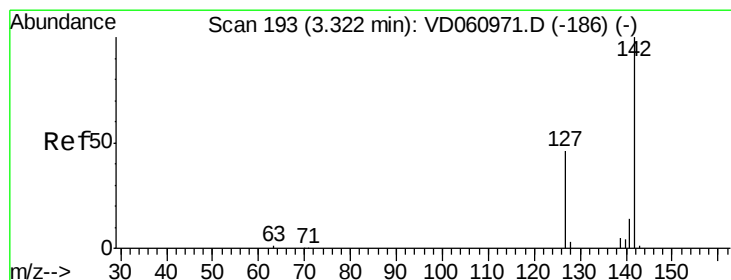
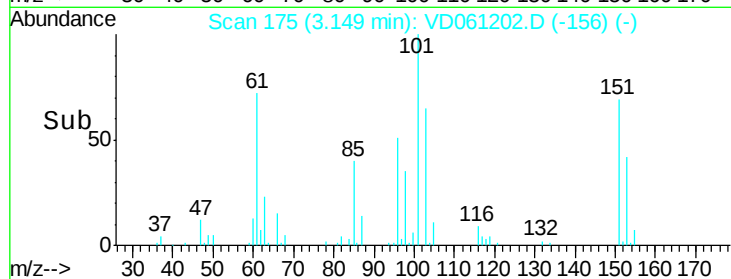
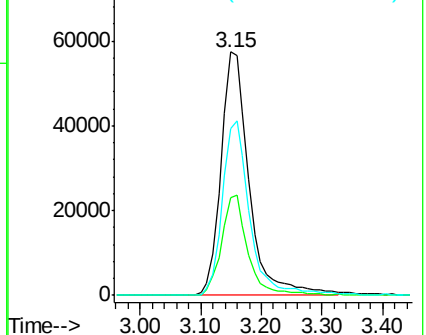
151 68.6 53.3 79.9



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: 17.844 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

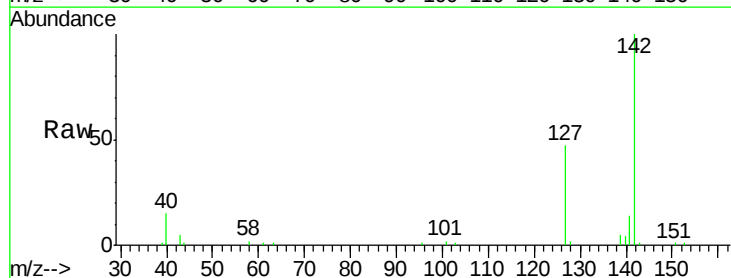
Tgt Ion:142 Resp: 206780

Ion Ratio Lower Upper

142 100

127 47.4 36.8 55.2

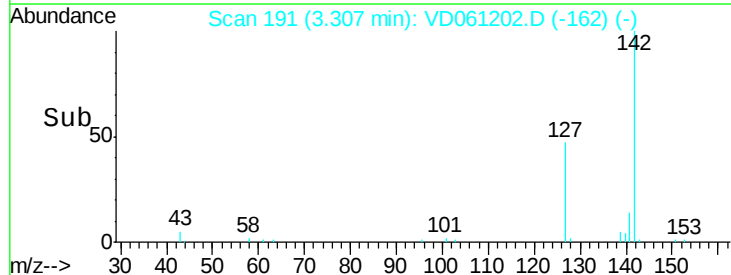
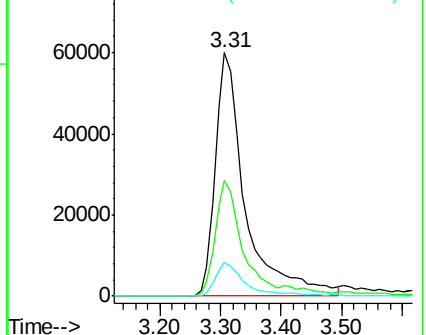
141 14.0 11.2 16.8

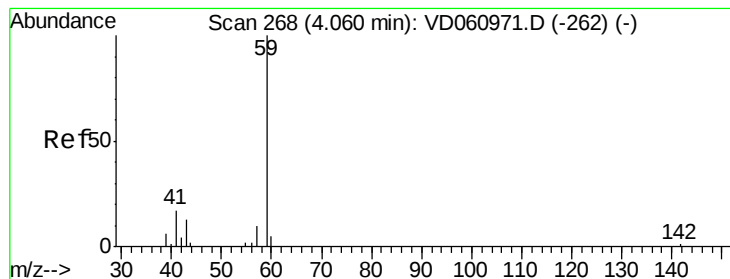


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



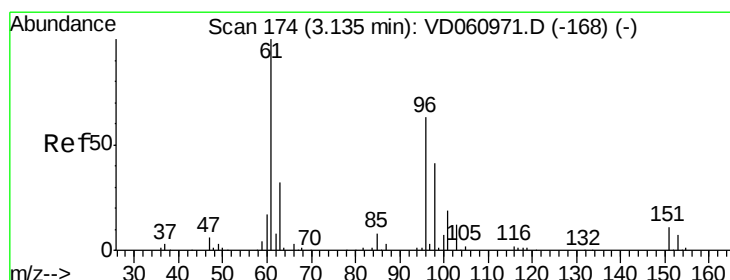
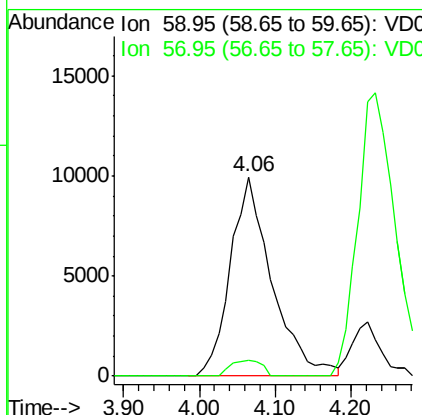
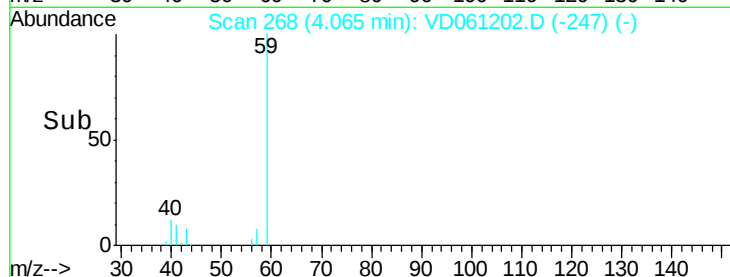
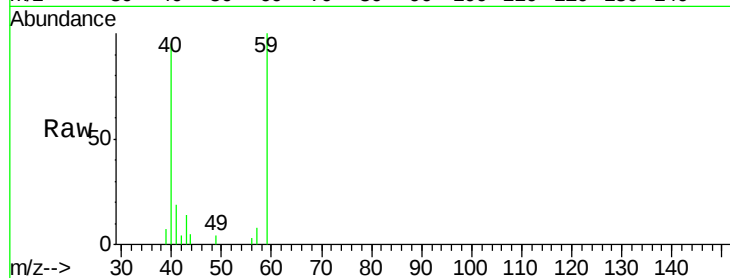


#11

Tert butyl alcohol
Concen: 92.450 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

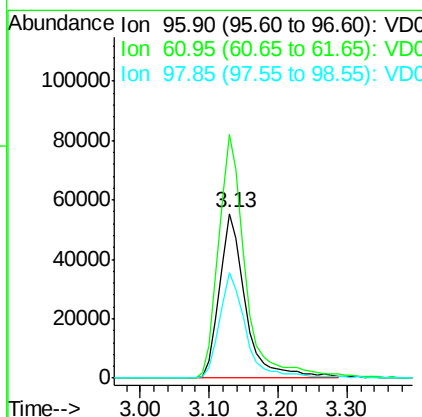
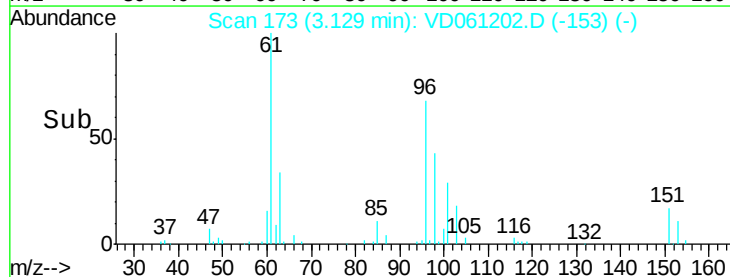
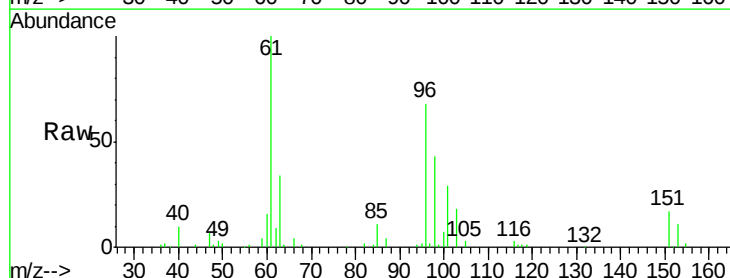
Tot Ion: 59 Resp: 37923
Ion Ratio Lower Upper
59 100
57 8.2 7.1 10.7

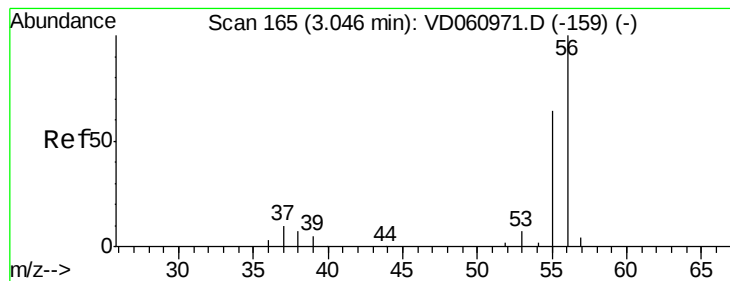


#12

1,1-Dichloroethene
Concen: 18.739 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 96 Resp: 145604
Ion Ratio Lower Upper
96 100
61 148.0 127.1 190.7
98 63.7 51.5 77.3





#13

Acrolein

Concen: 66.871 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

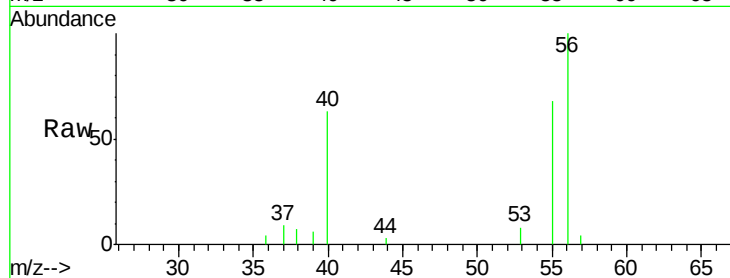
VD0320SBS01

Tot Ion: 56 Resp: 39689

Ion Ratio Lower Upper

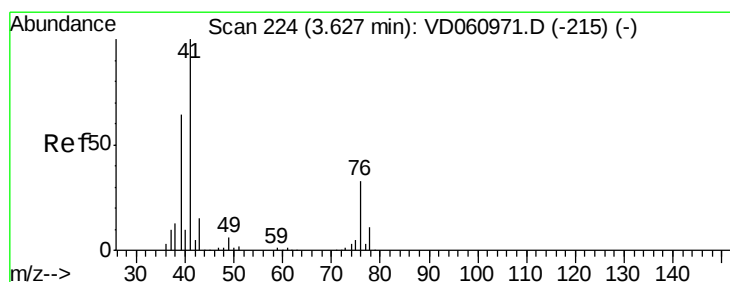
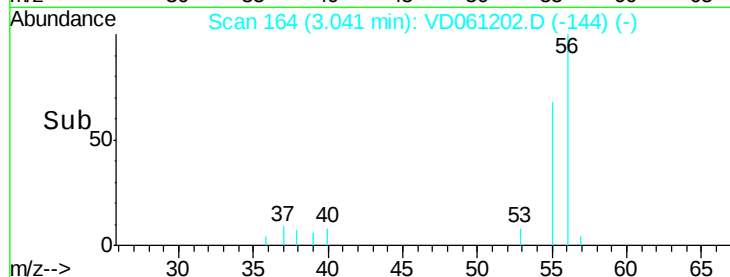
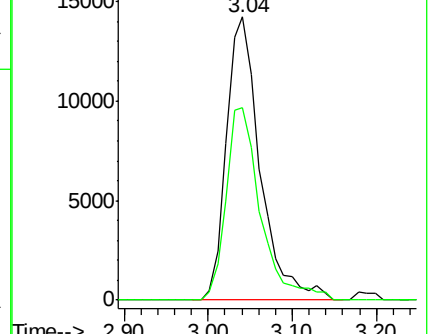
56 100

55 68.1 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: 16.476 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

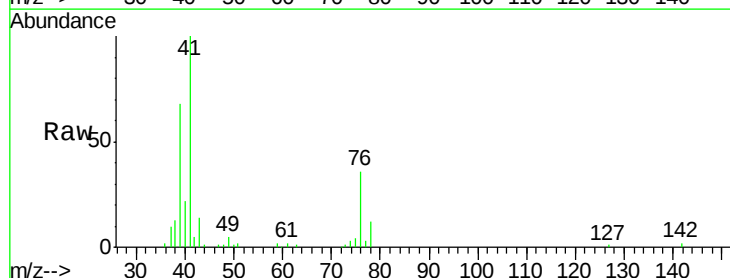
Tgt Ion: 41 Resp: 204832

Ion Ratio Lower Upper

41 100

39 68.3 51.1 76.7

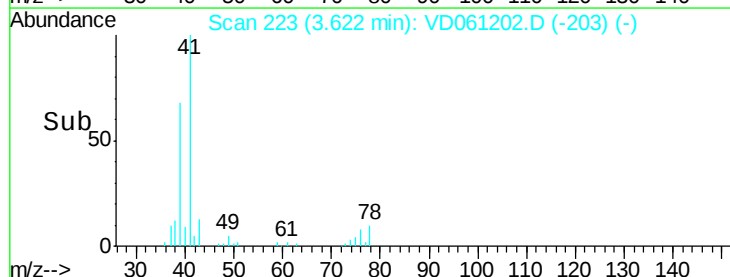
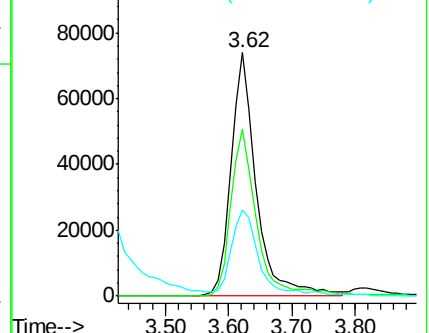
76 35.5 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 86.716 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

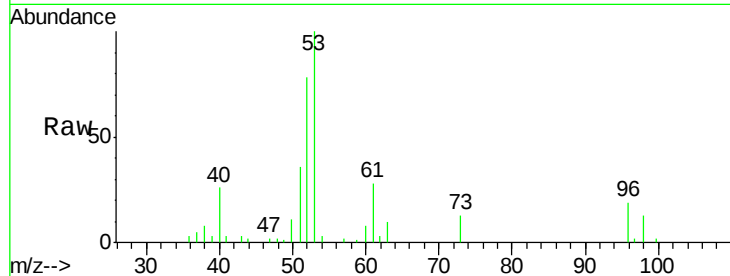
Tot Ion: 53 Resp: 125719

Ion Ratio Lower Upper

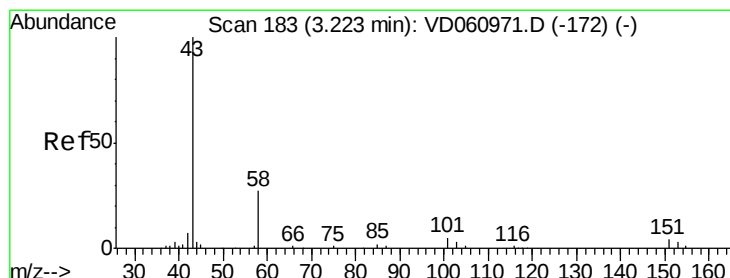
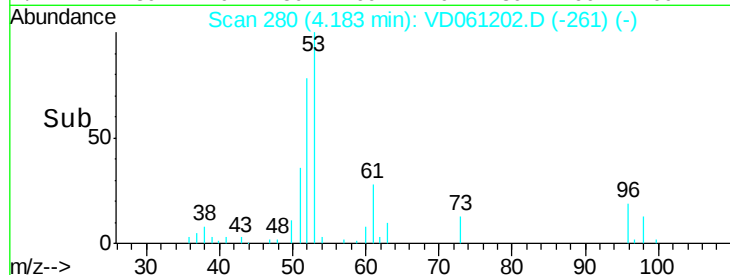
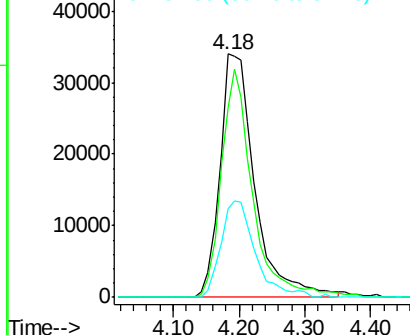
53 100

52 77.8 70.2 105.4

51 36.3 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.041 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061202.D

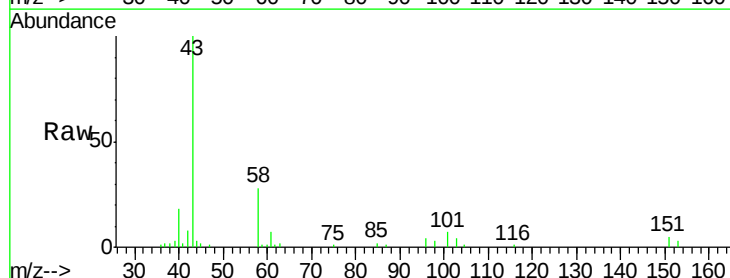
Acq: 20 Mar 2019 12:31

Tgt Ion: 43 Resp: 175117

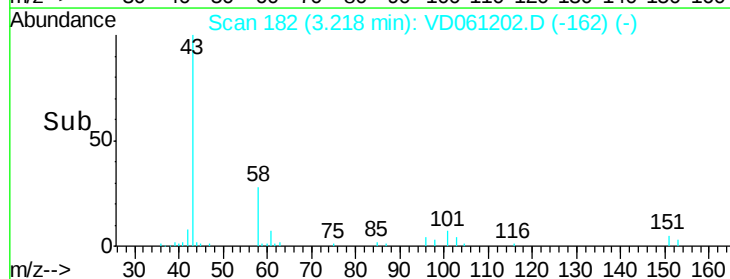
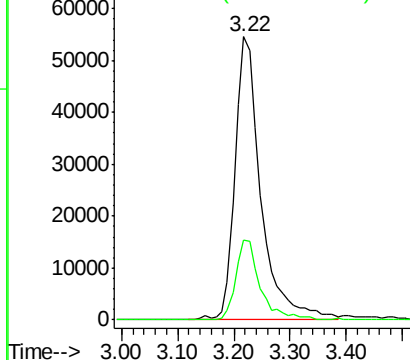
Ion Ratio Lower Upper

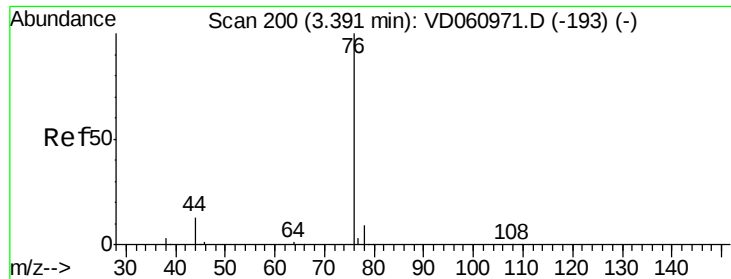
43 100

58 28.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

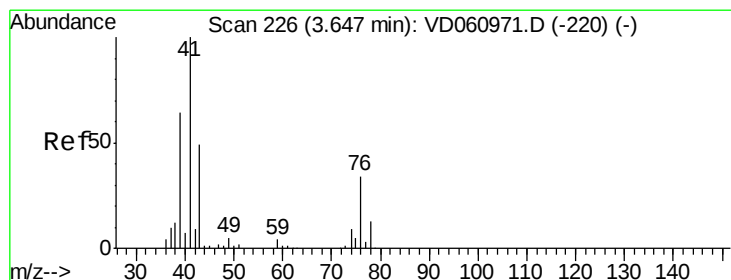
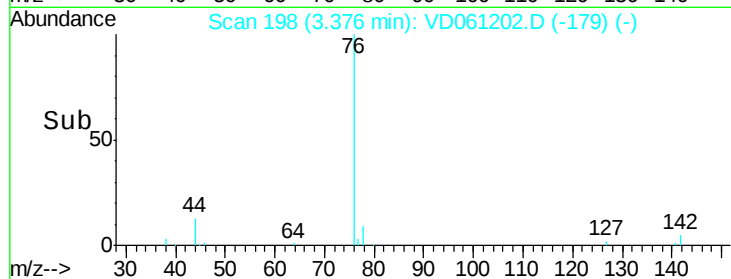
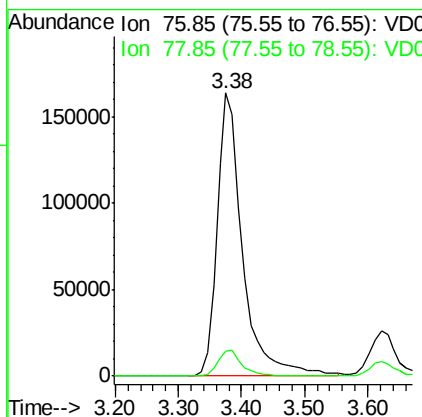
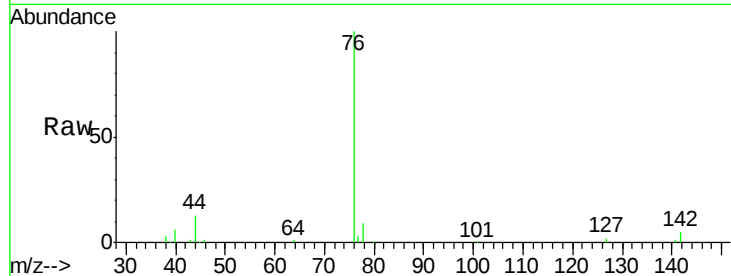




#17
Carbon Disulfide
Concen: 17.605 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

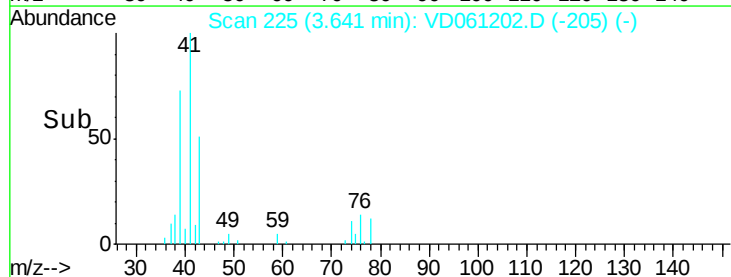
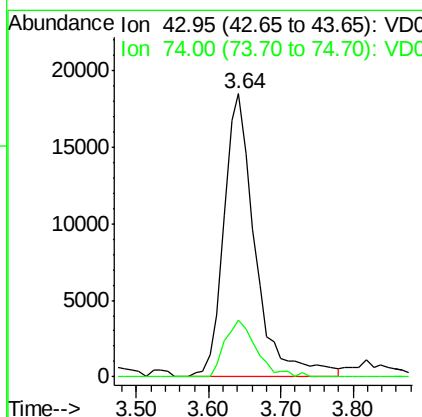
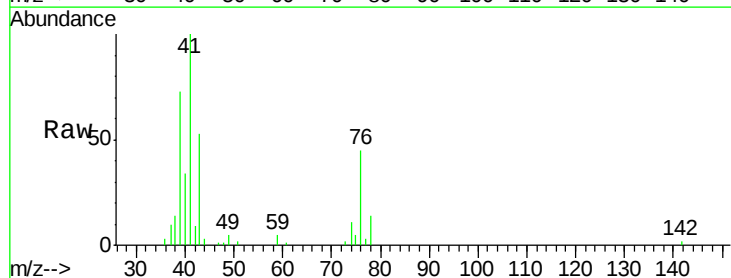
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

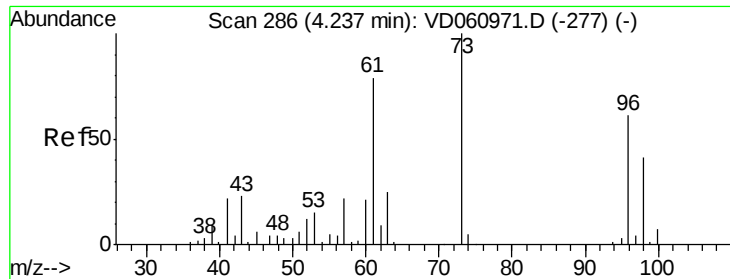
Tot Ion: 76 Resp: 461446
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 15.396 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 43 Resp: 55828
Ion Ratio Lower Upper
43 100
74 20.3 14.6 21.8

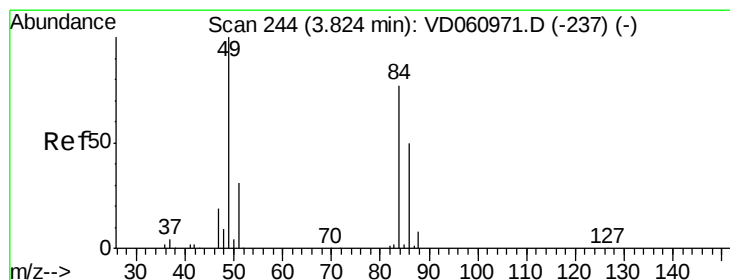
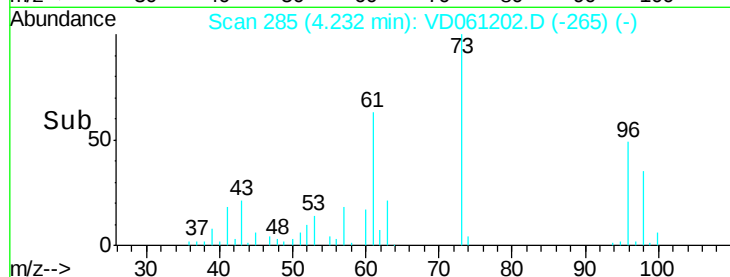
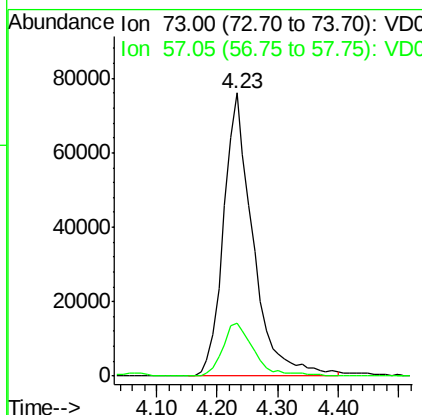
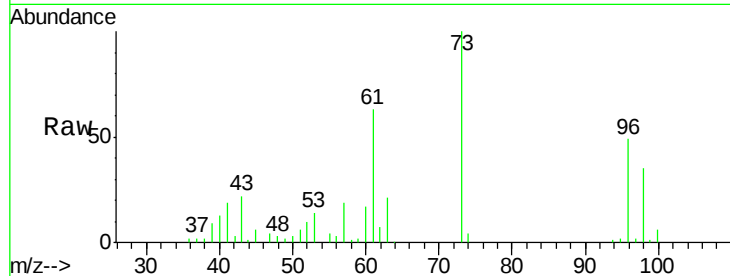




#19
Methyl tert-butyl Ether
Concen: 18.817 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

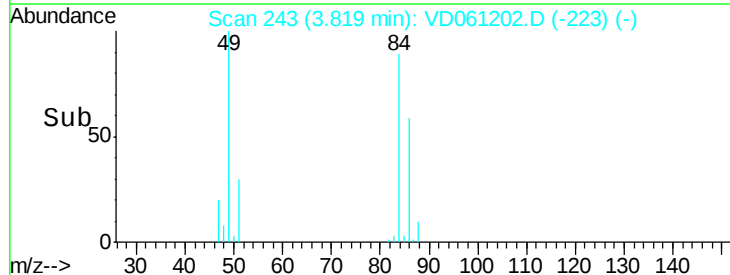
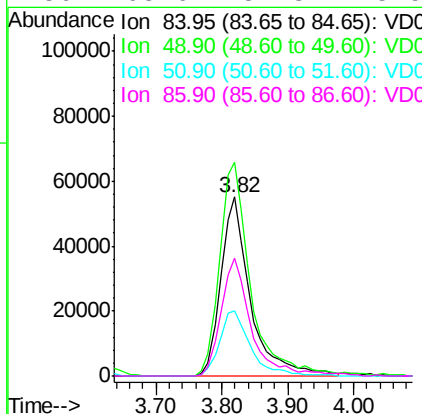
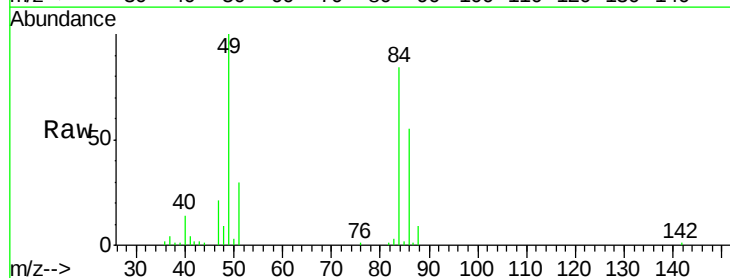
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

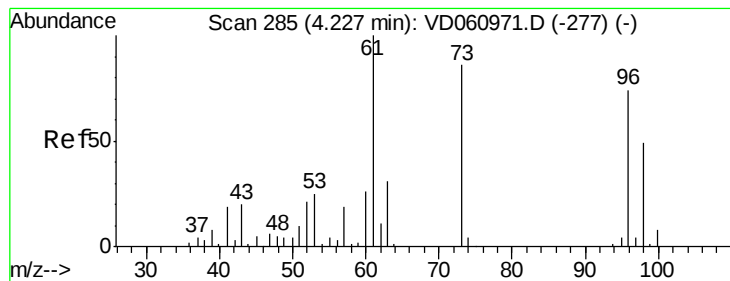
Tot Ion: 73 Resp: 256247
Ion Ratio Lower Upper
73 100
57 18.6 17.7 26.5



#20
Methylene Chloride
Concen: 17.584 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 84 Resp: 173128
Ion Ratio Lower Upper
84 100
49 119.4 104.2 156.2
51 36.2 32.3 48.5
86 65.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.933 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

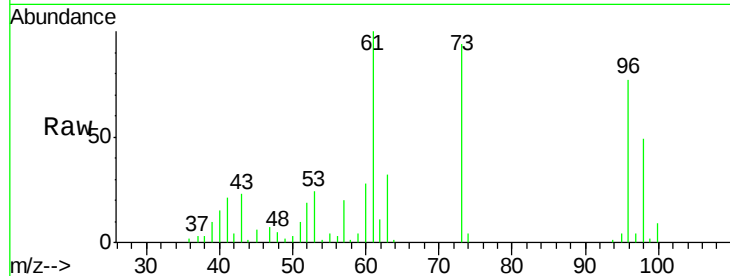
Tot Ion: 96 Resp: 159232

Ion Ratio Lower Upper

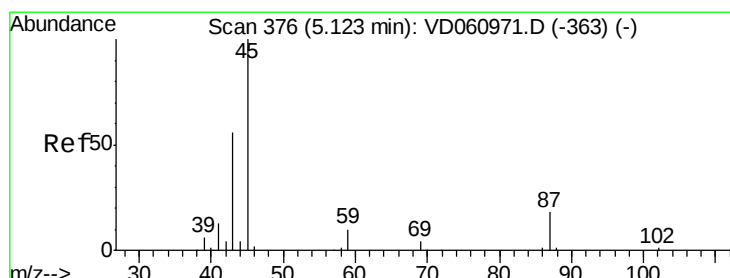
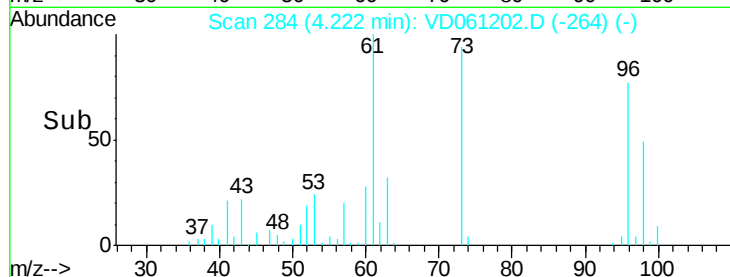
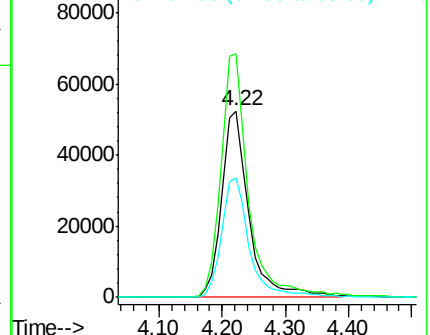
96 100

61 130.4 108.4 162.6

98 63.9 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: 17.060 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Tgt Ion: 45 Resp: 440284

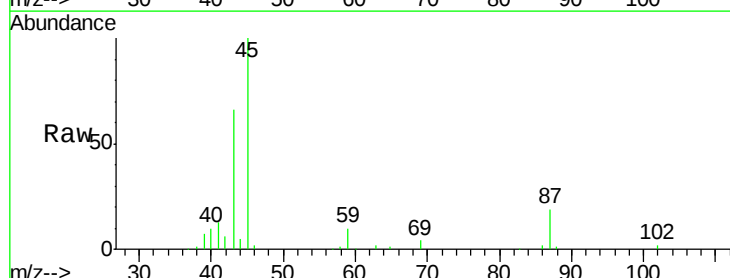
Ion Ratio Lower Upper

45 100

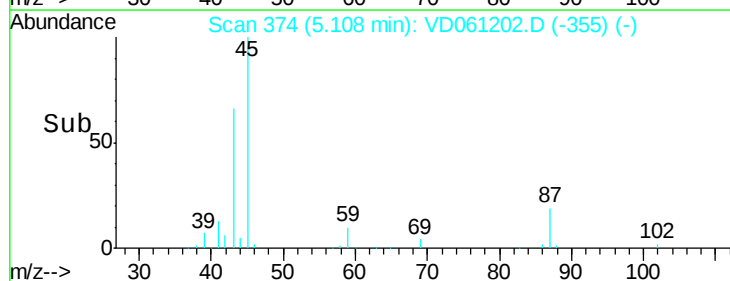
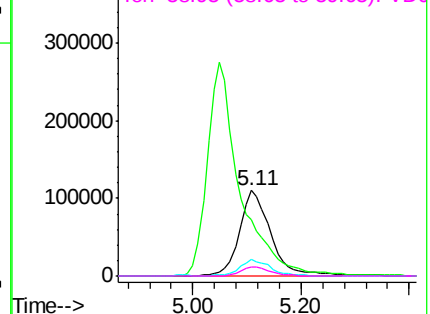
43 65.8 45.8 68.8

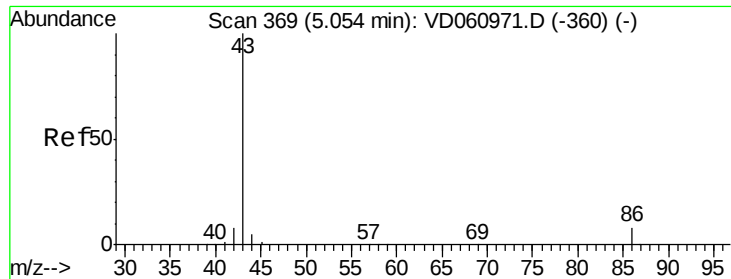
87 19.4 14.9 22.3

59 10.4 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: 85.607 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

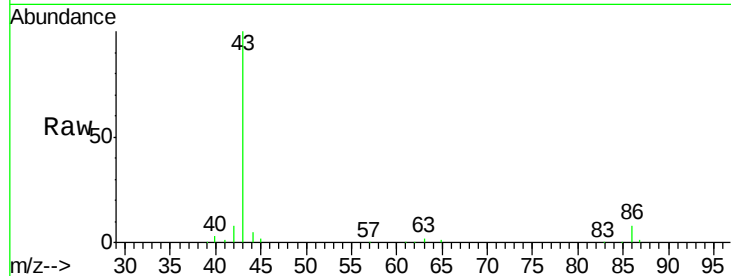
VD0320SBS01

Tot Ion: 43 Resp: 1134176

Ion Ratio Lower Upper

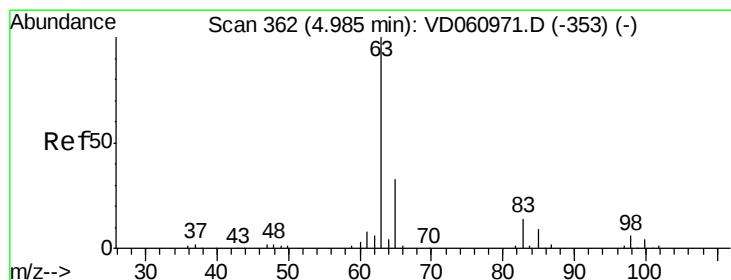
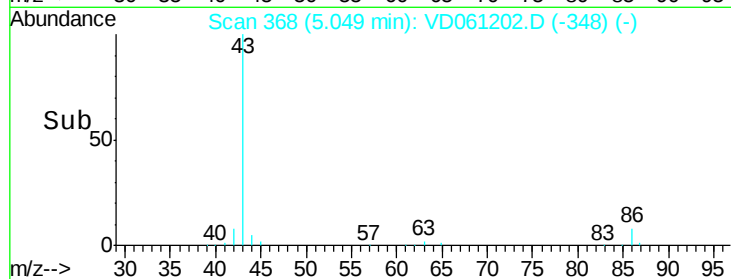
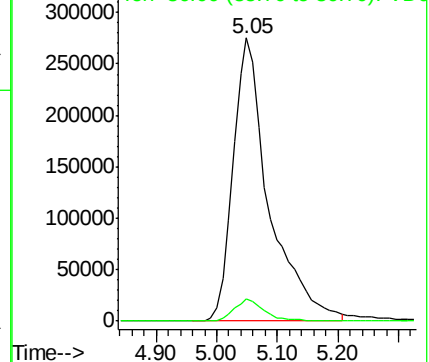
43 100

86 8.1 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: 17.669 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

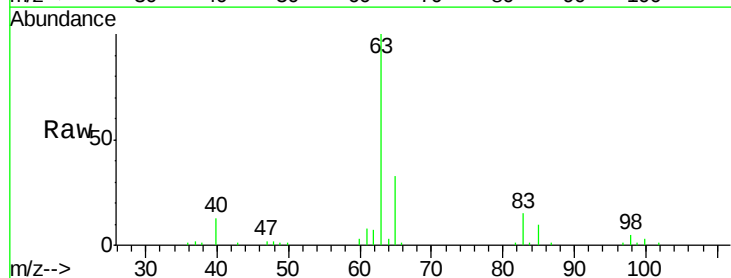
Tgt Ion: 63 Resp: 249849

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

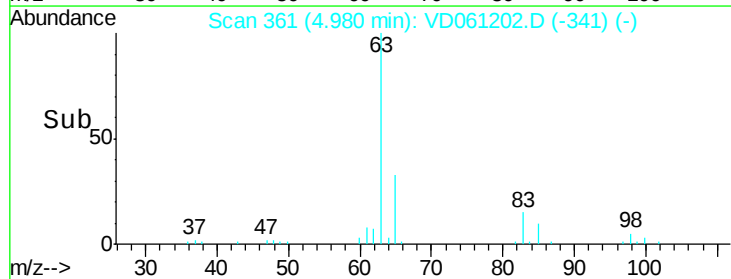
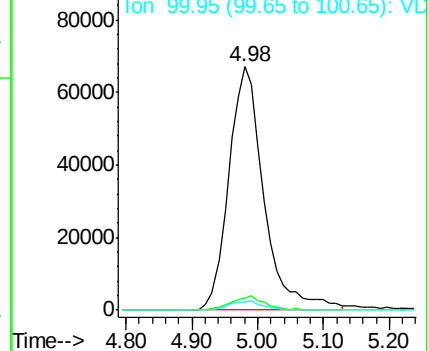
100 3.3 2.0 5.8



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: 89.413 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

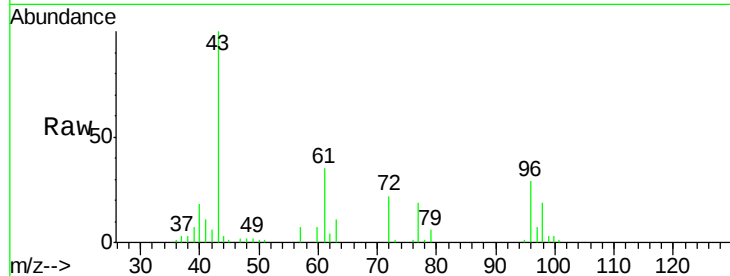
VD0320SBS01

Tot Ion: 43 Resp: 186943

Ion Ratio Lower Upper

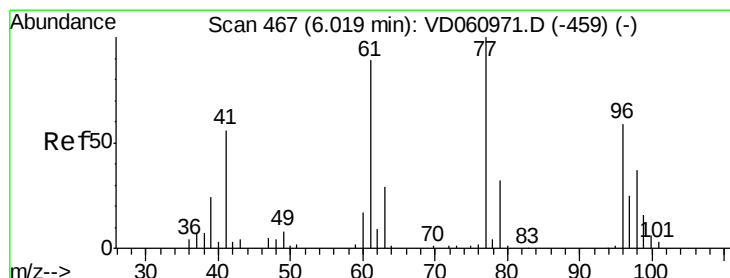
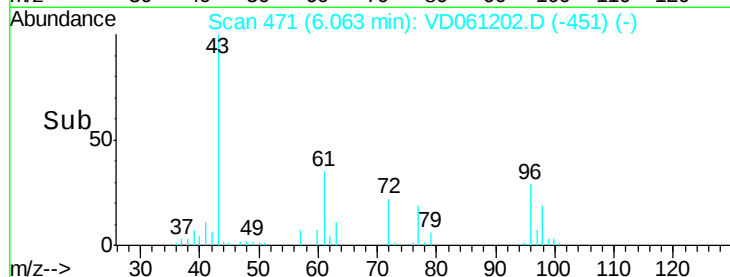
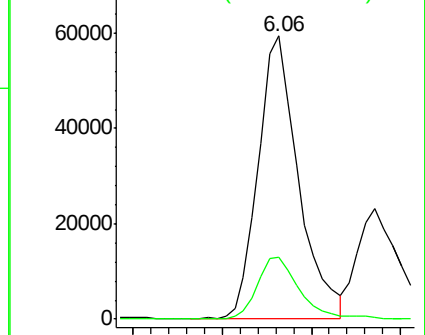
43 100

72 21.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.150 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061202.D

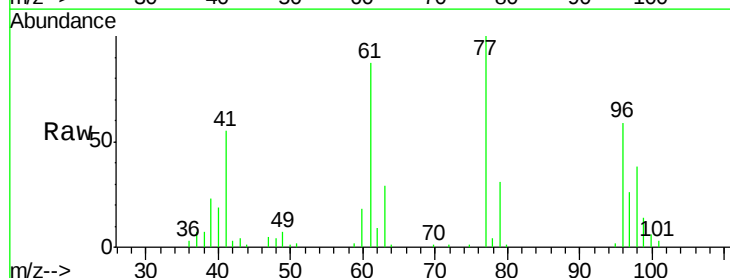
Acq: 20 Mar 2019 12:31

Tgt Ion: 77 Resp: 211390

Ion Ratio Lower Upper

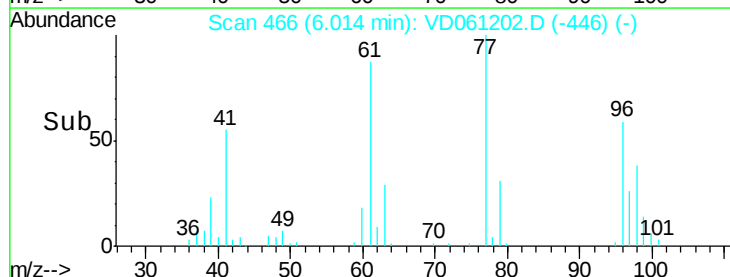
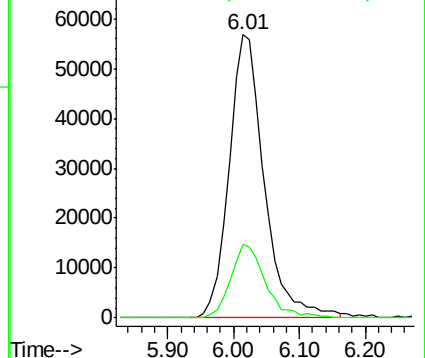
77 100

97 25.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



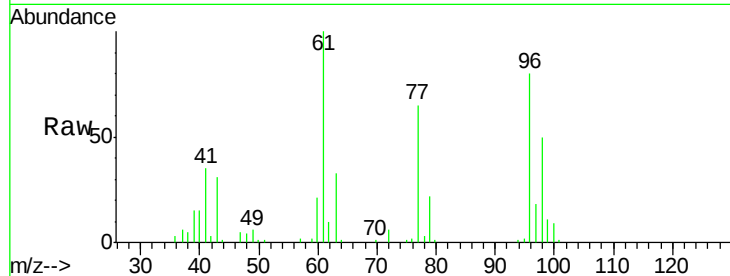


#27

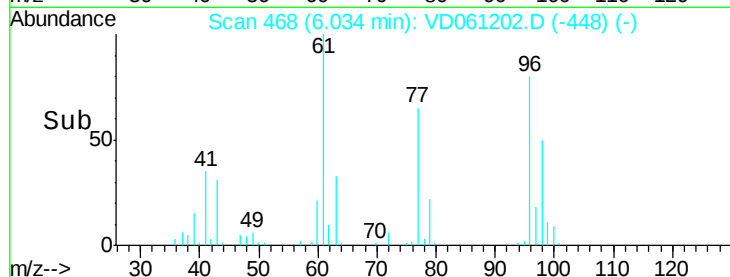
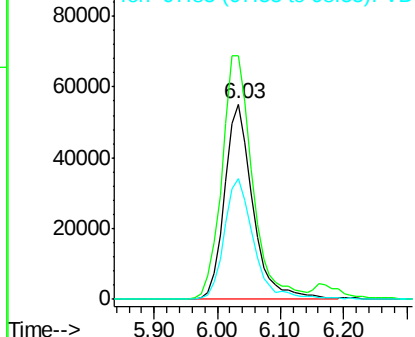
cis-1,2-Dichloroethene
 Concen: 19.216 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion: 96 Resp: 171469
 Ion Ratio Lower Upper
 96 100
 61 124.3 0.0 273.6
 98 61.6 0.0 132.6



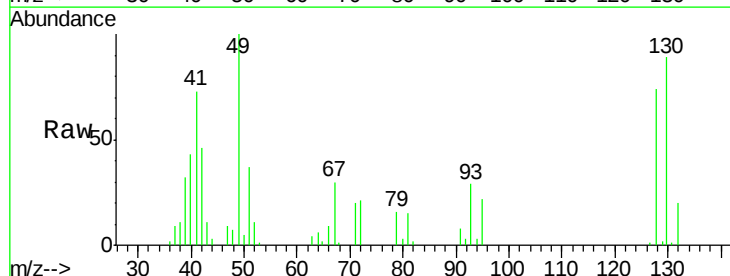
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



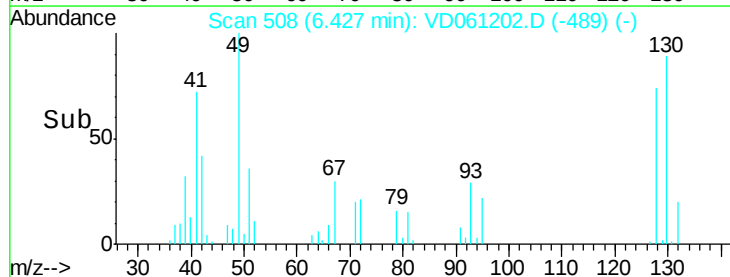
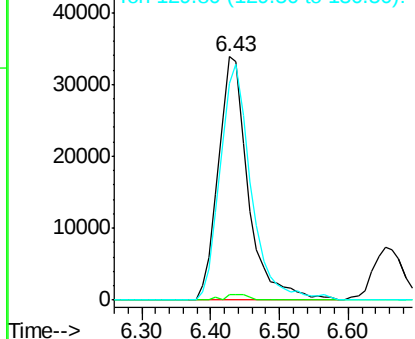
#28

Bromochloromethane
 Concen: 17.049 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 49 Resp: 102059
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 89.2 73.8 110.8



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

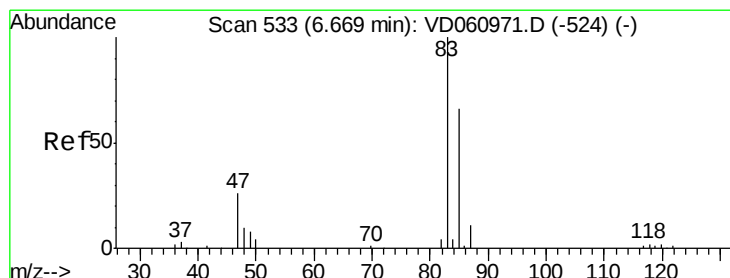
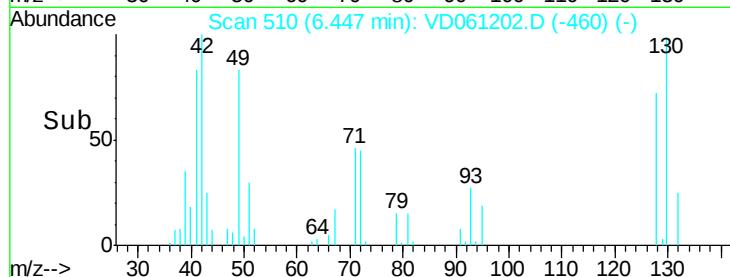
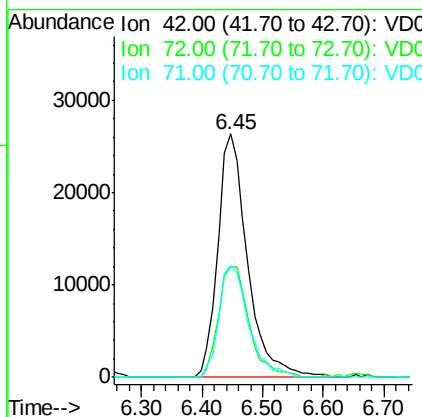
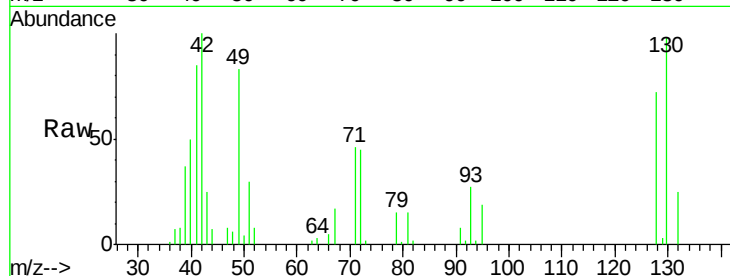




#29
Tetrahydrofuran
Concen: 79.279 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

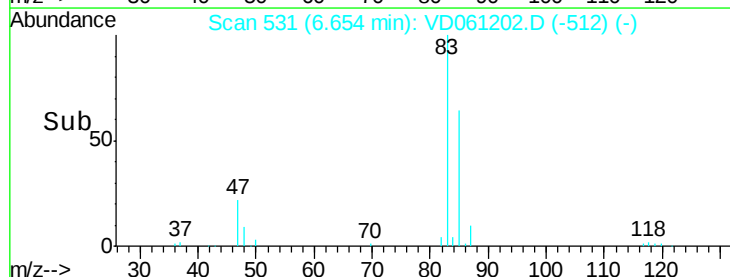
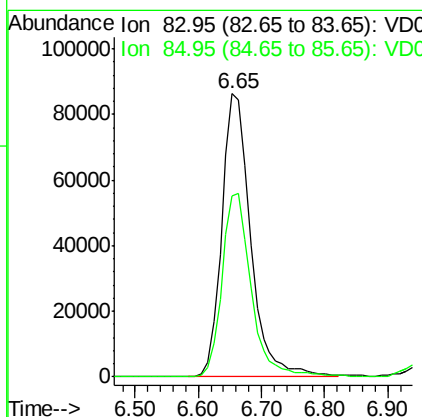
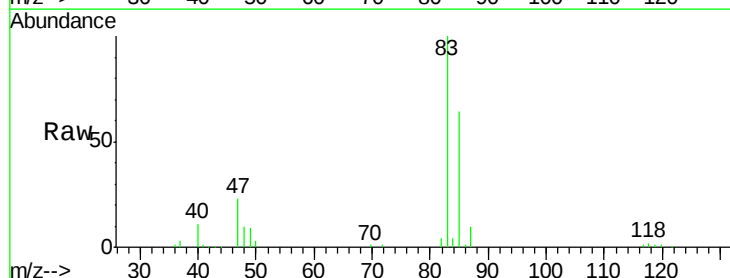
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

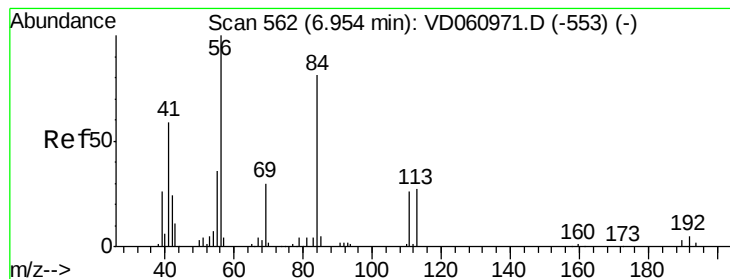
Tot Ion: 42 Resp: 90005
Ion Ratio Lower Upper
42 100
72 46.7 34.5 51.7
71 45.9 33.8 50.6



#30
Chloroform
Concen: 18.737 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 83 Resp: 274597
Ion Ratio Lower Upper
83 100
85 63.9 53.0 79.4





#31

Cvclohexane

Concen: 17.251 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

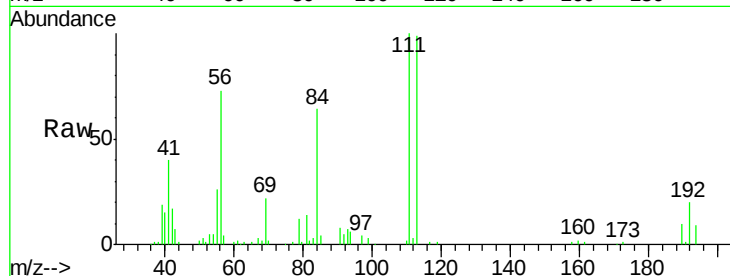
Tot Ion: 56 Resp: 196688

Ion Ratio Lower Upper

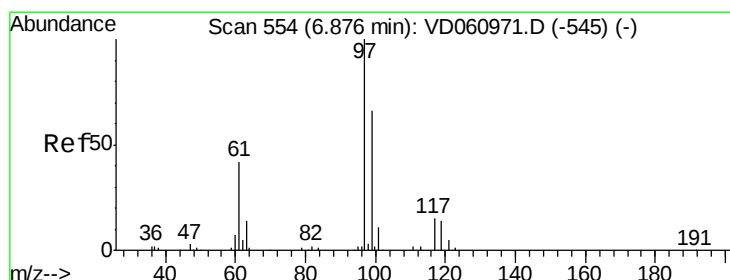
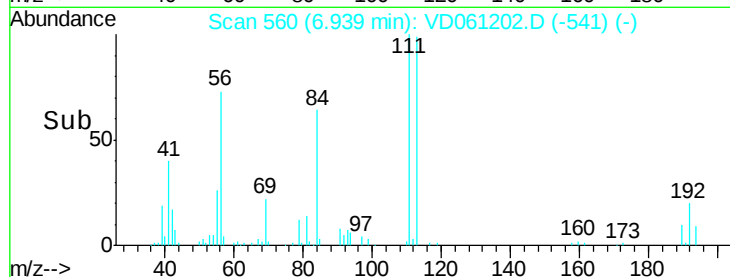
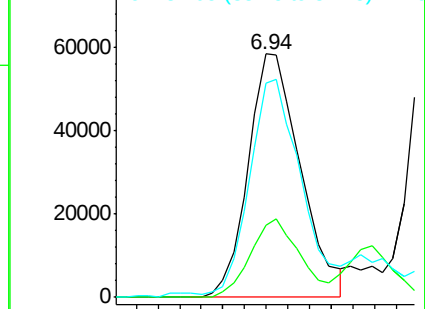
56 100

69 29.6 24.0 36.0

84 87.9 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 19.036 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

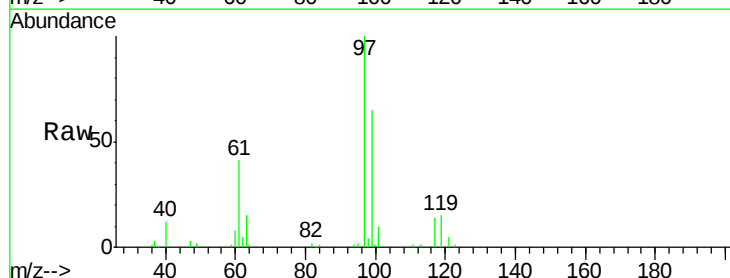
Tgt Ion: 97 Resp: 241195

Ion Ratio Lower Upper

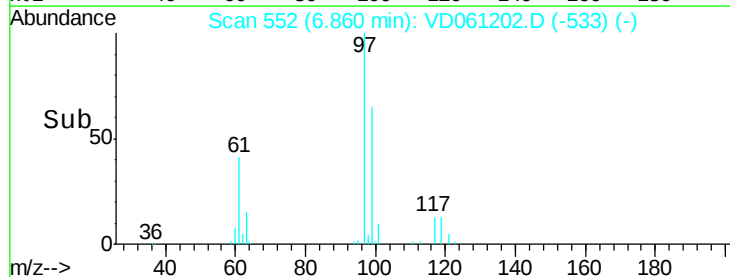
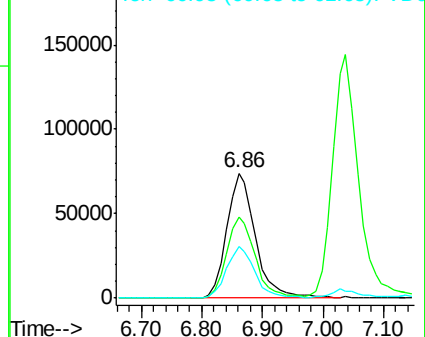
97 100

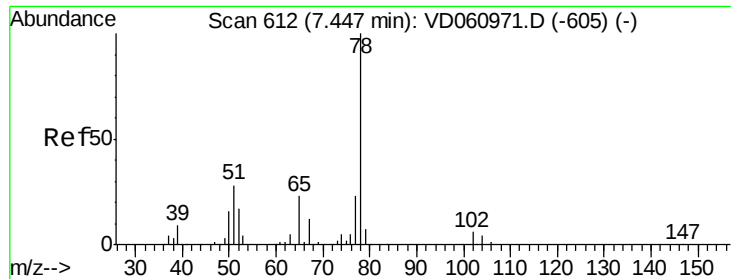
99 65.3 53.2 79.8

61 41.5 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 19.036 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

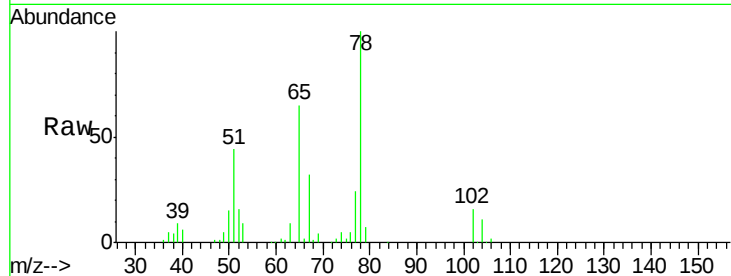
VD0320SBS01

Tot Ion: 65 Resp: 305829

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

120000

100000

80000

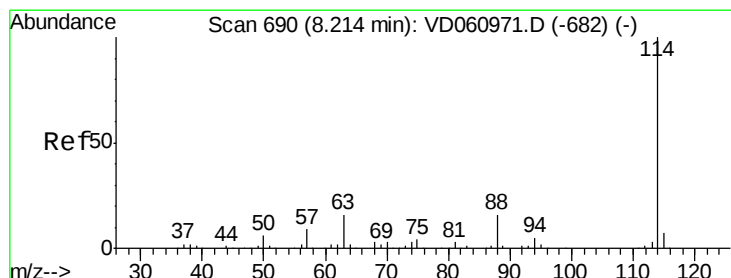
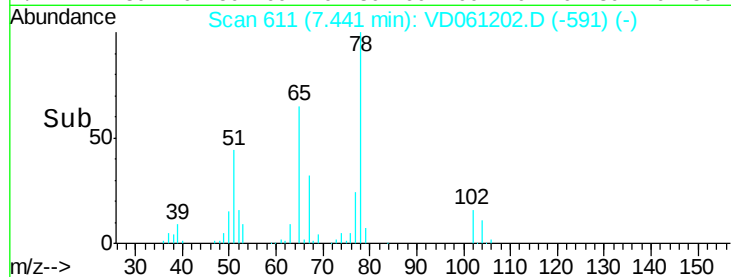
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

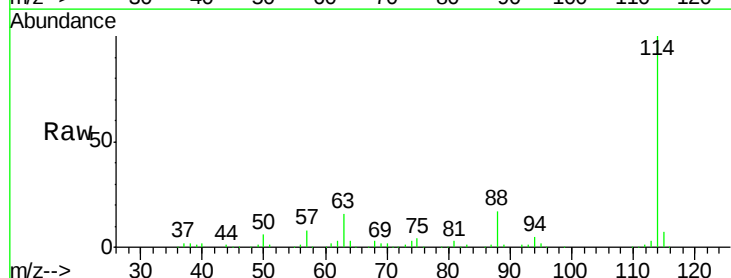
Tgt Ion: 114 Resp: 1293504

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

88 16.8 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

8.21

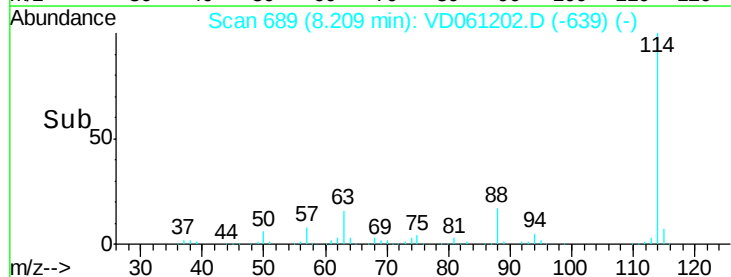
600000

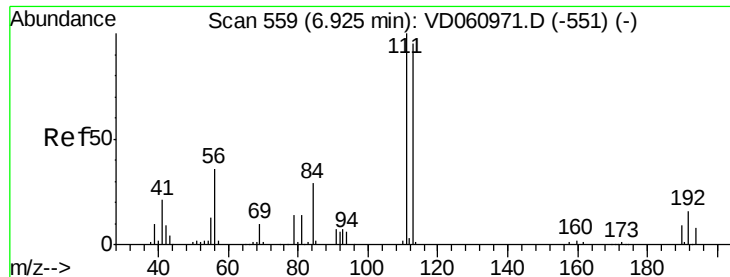
400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

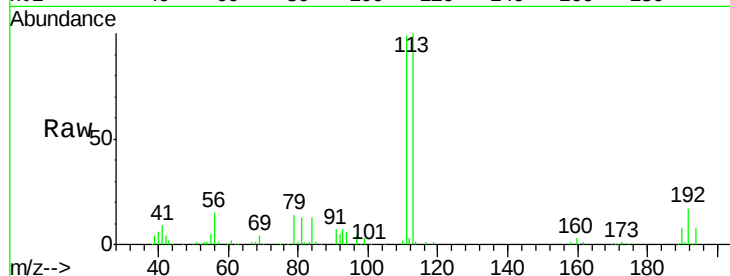
Tot Ion:113 Resp: 468171

Ion Ratio Lower Upper

113 100

111 98.6 84.2 126.4

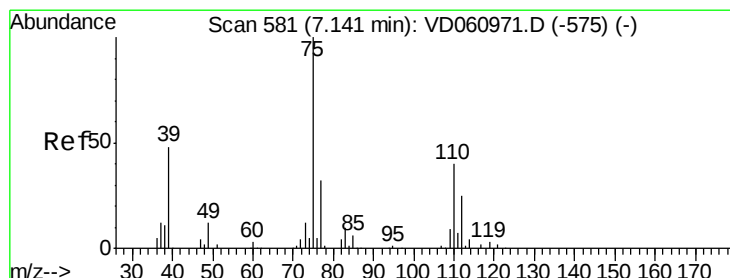
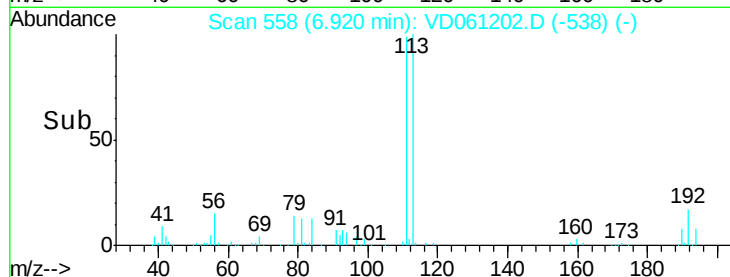
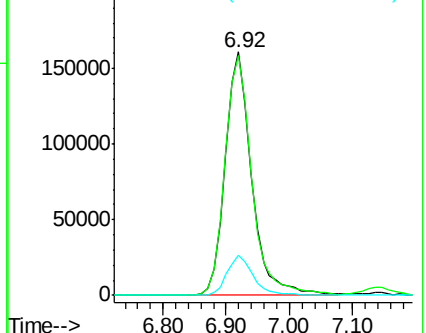
192 16.7 13.1 19.7



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: 18.790 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

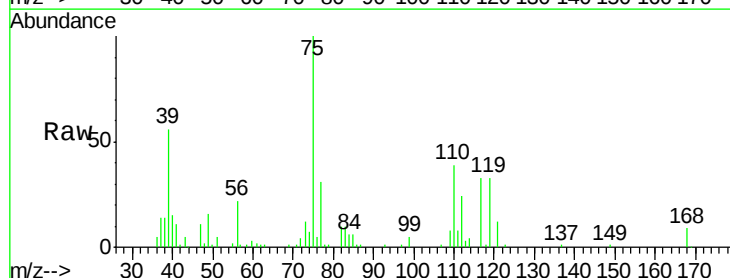
Tgt Ion: 75 Resp: 209501

Ion Ratio Lower Upper

75 100

110 38.6 19.7 59.1

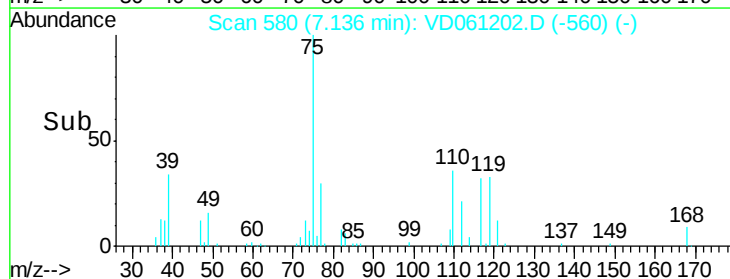
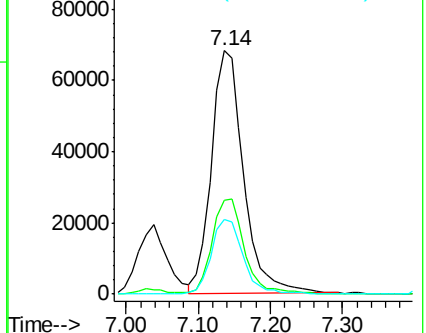
77 30.8 24.7 37.1

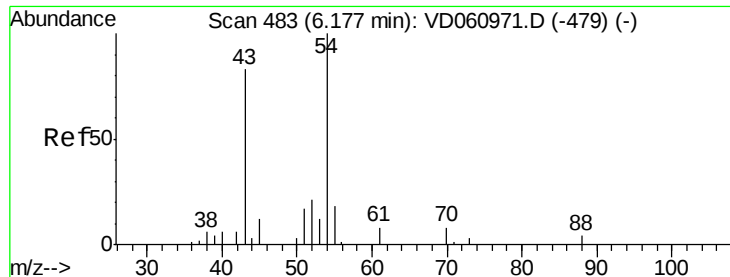


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

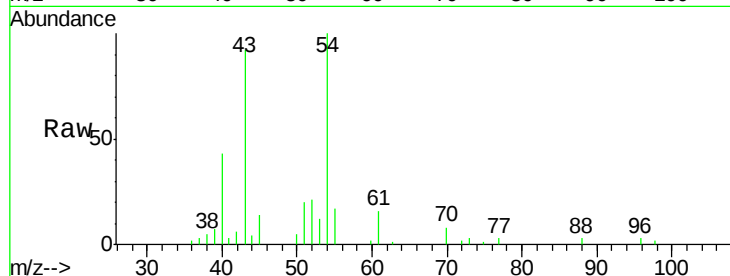




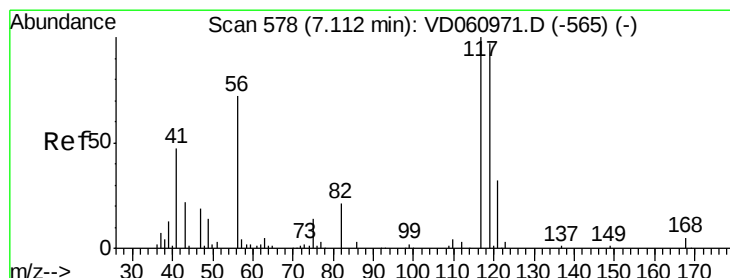
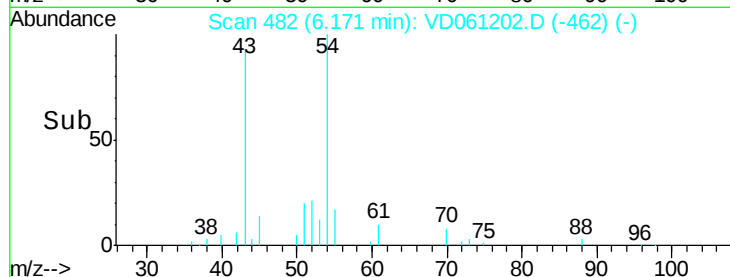
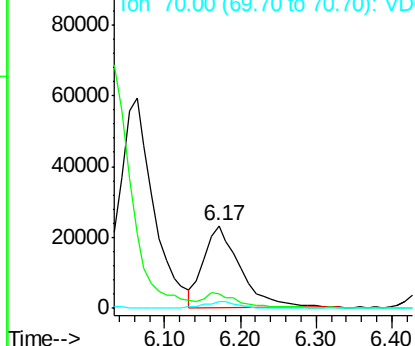
#37
Ethyl Acetate
Concen: 14.633 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion: 43 Resp: 76562
Ion Ratio Lower Upper
43 100
61 17.5 13.7 20.5
70 8.6 7.1 10.7

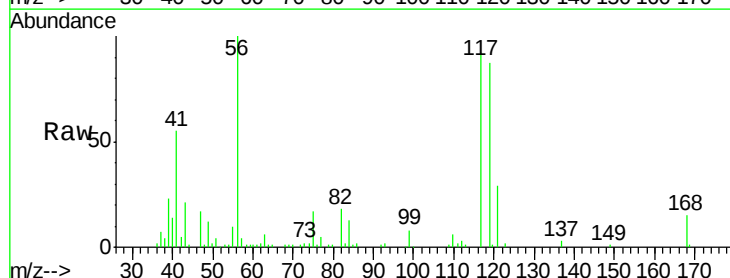


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

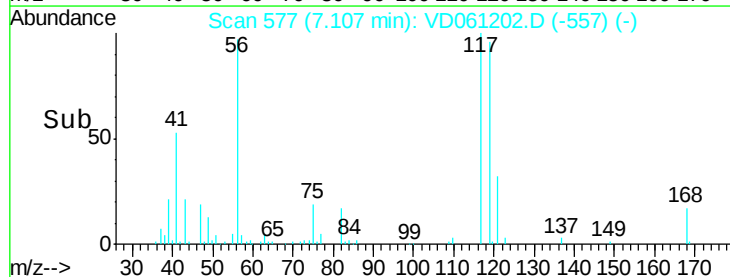
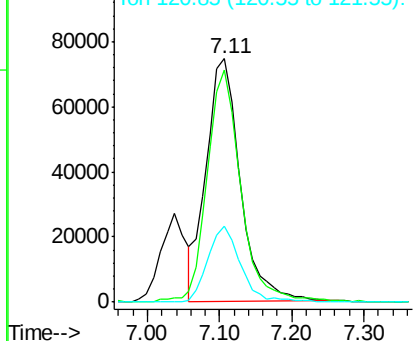


#38
Carbon Tetrachloride
Concen: 19.809 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 117 Resp: 243290
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.8
121 31.4 25.3 37.9



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





#39

Methvlcvclohexane

Concen: 19.035 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

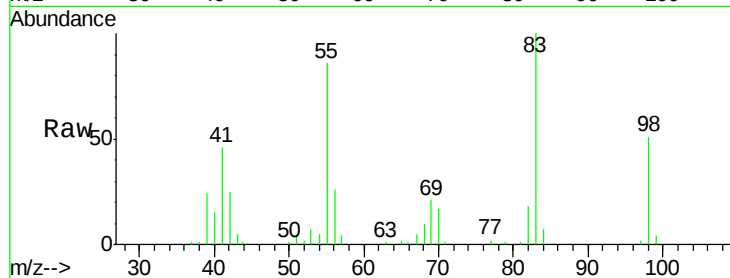
Tot Ion: 83 Resp: 220076

Ion Ratio Lower Upper

83 100

55 86.2 69.6 104.4

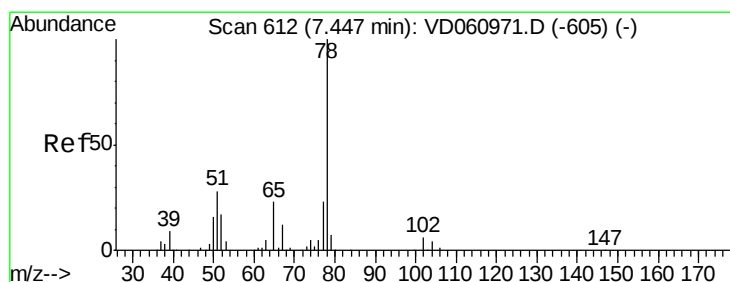
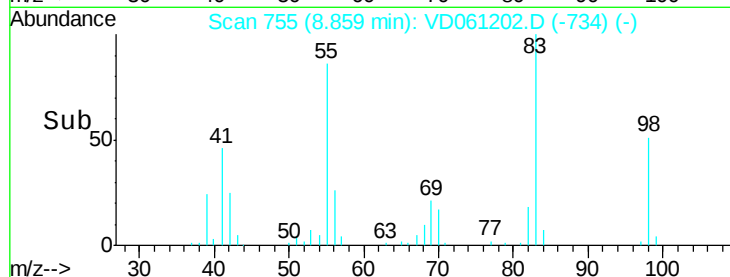
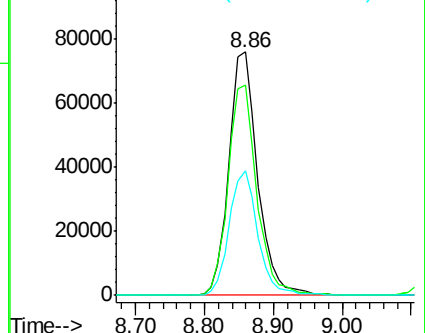
98 51.3 40.0 60.0



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: 19.007 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061202.D

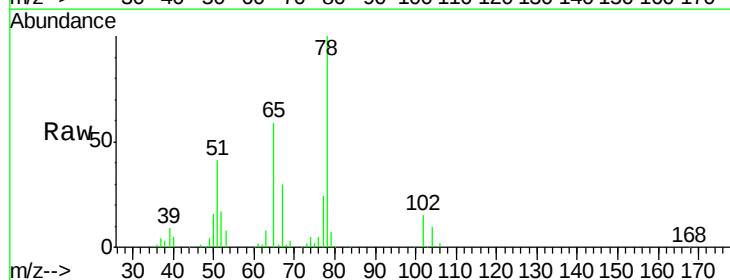
Acq: 20 Mar 2019 12:31

Tgt Ion: 78 Resp: 529544

Ion Ratio Lower Upper

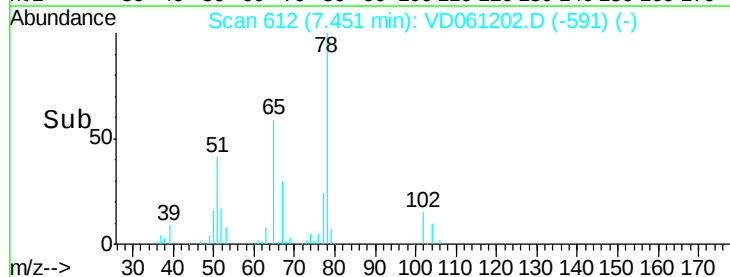
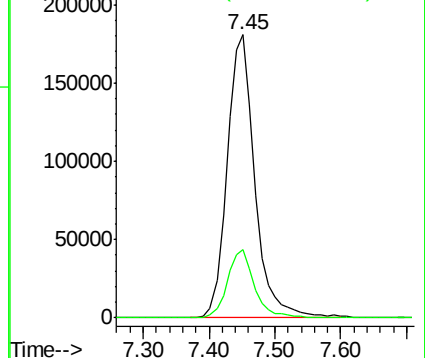
78 100

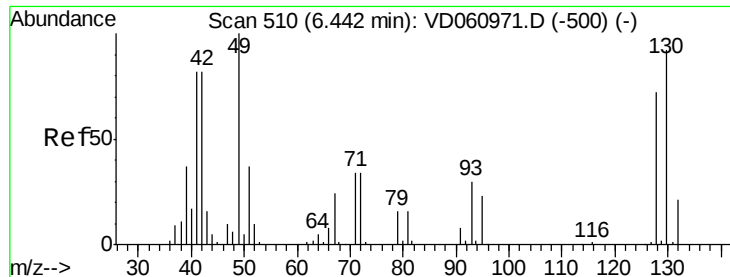
77 24.2 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

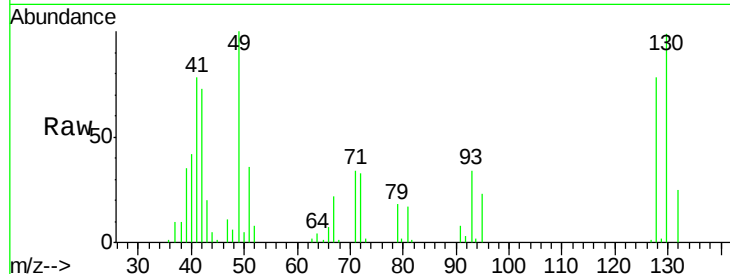




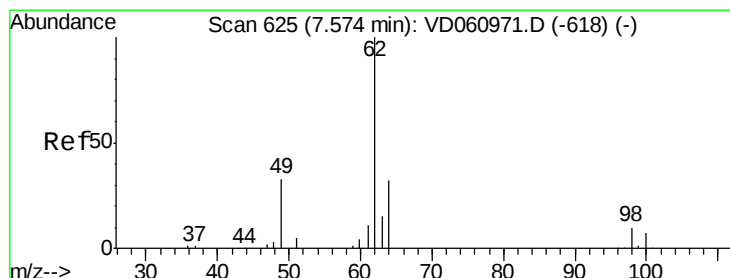
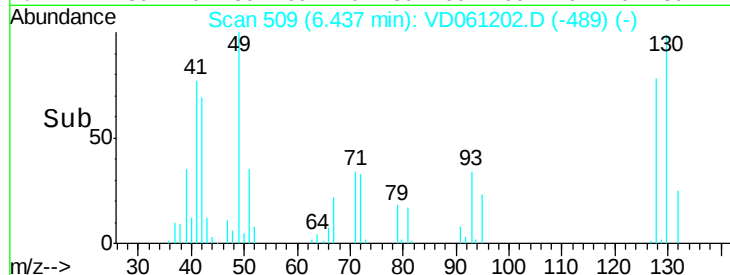
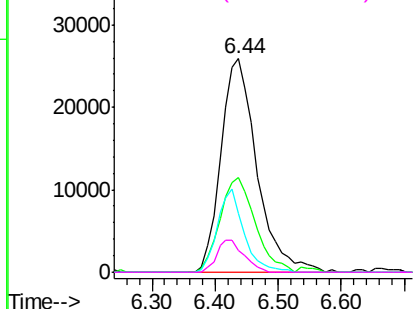
#41
Methacrylonitrile
Concen: 17.007 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion:	41	Resp:	102354
Ion	Ratio	Lower	Upper
41	100		
39	44.3	35.7	53.5
67	27.8	23.0	34.6
52	10.5	9.2	13.8

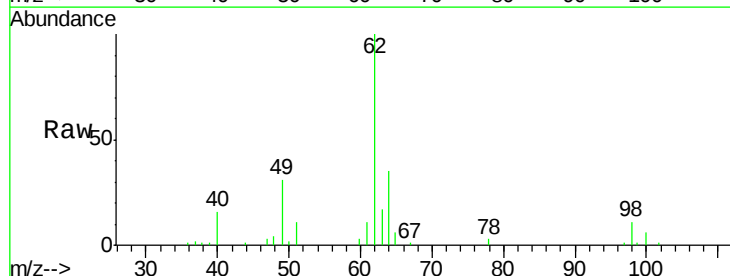


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

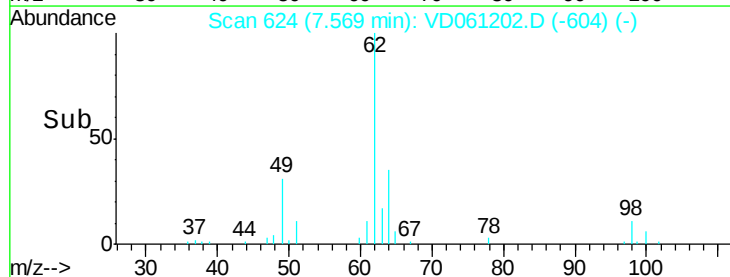
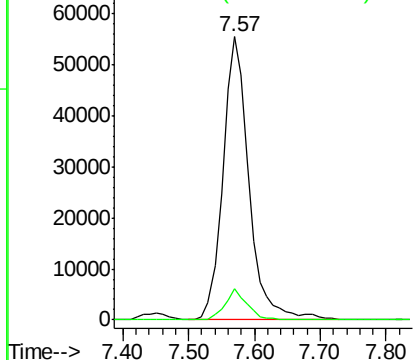


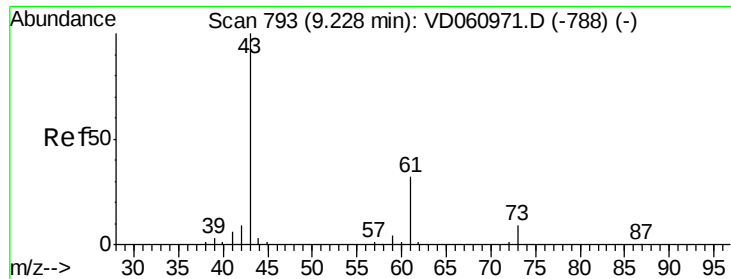
#42
1,2-Dichloroethane
Concen: 18.908 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion:	62	Resp:	152871
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.4



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



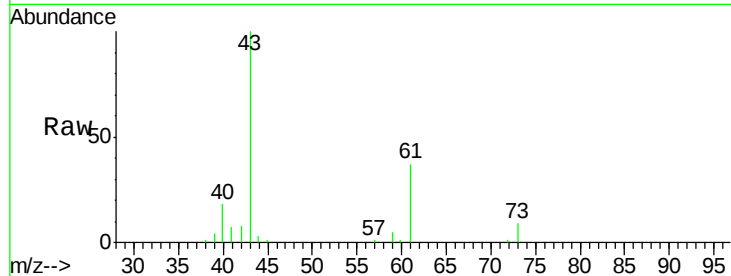


#43

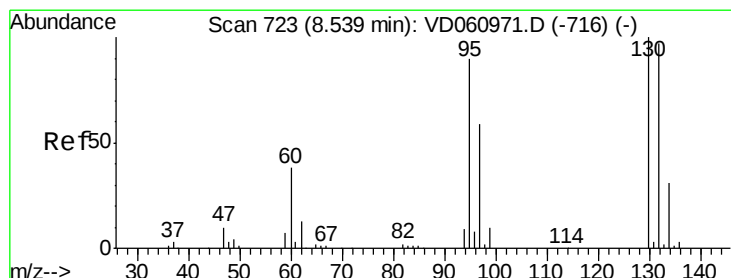
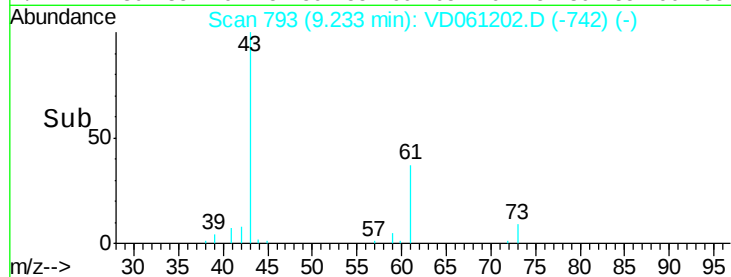
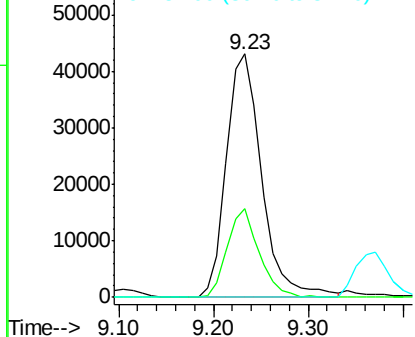
Isopropyl Acetate
 Concen: 15.377 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion: 43 Resp: 111431
 Ion Ratio Lower Upper
 43 100
 61 36.6 25.6 38.4
 87 0.0 0.2 0.4#



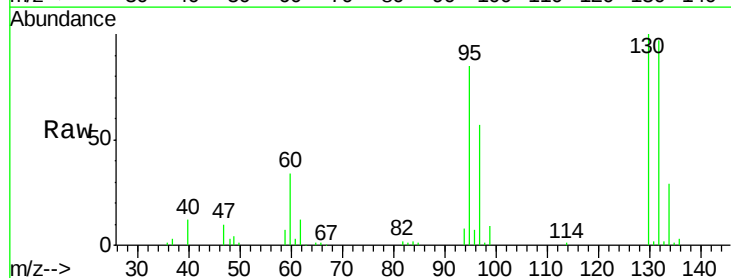
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



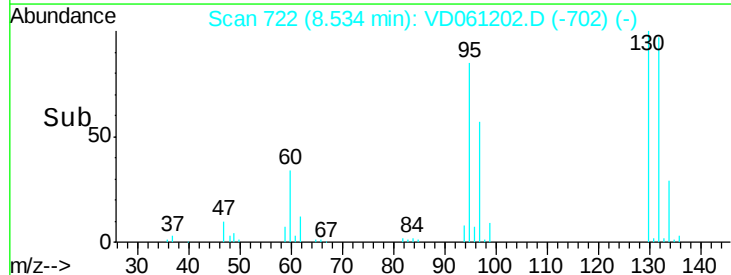
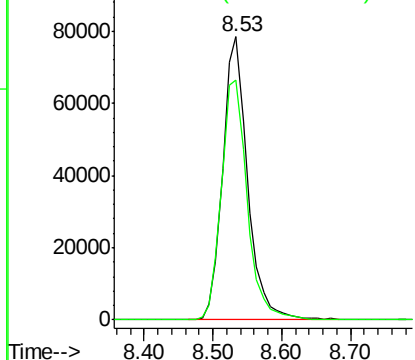
#44

Trichloroethene
 Concen: 20.403 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion:130 Resp: 196111
 Ion Ratio Lower Upper
 130 100
 95 84.5 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 17.639 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

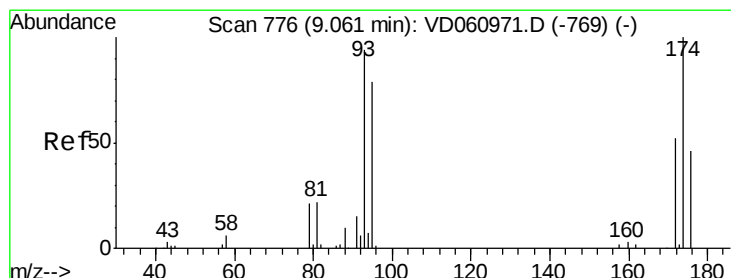
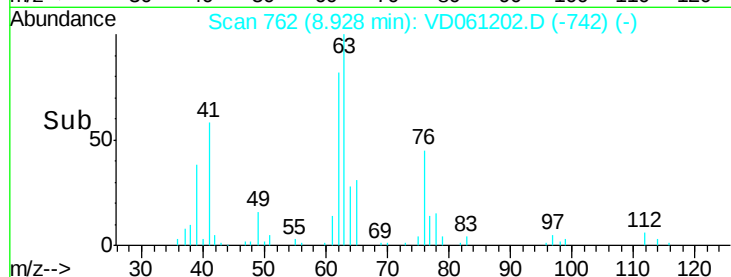
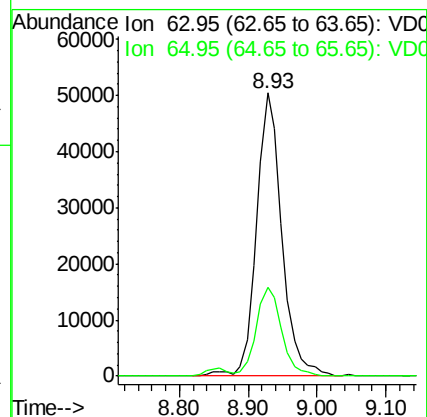
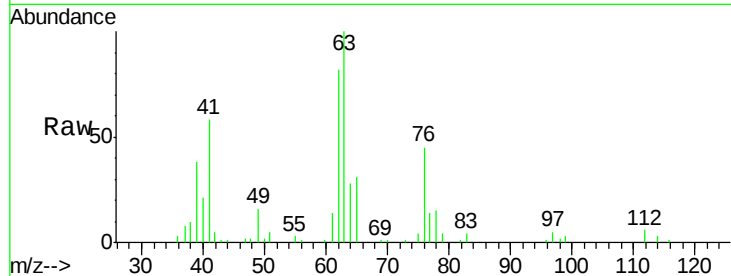
VD0320SBS01

Tot Ion: 63 Resp: 129107

Ion Ratio Lower Upper

63 100

65 31.4 24.8 37.2



#46

Dibromomethane

Concen: 17.469 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

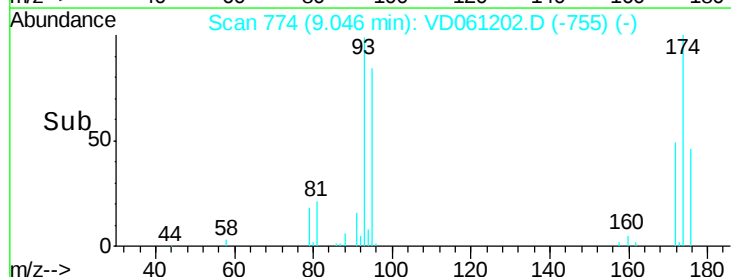
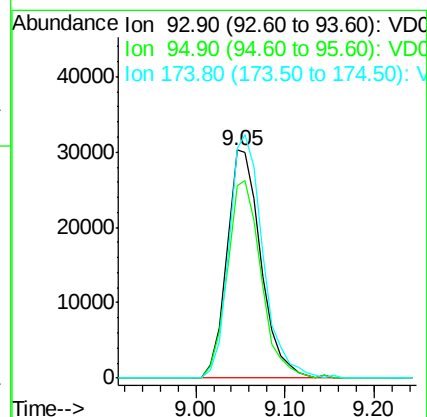
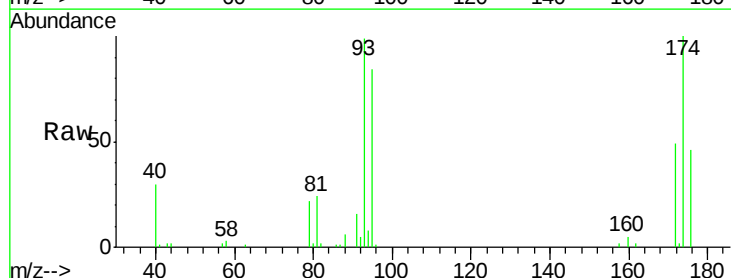
Tgt Ion: 93 Resp: 81107

Ion Ratio Lower Upper

93 100

95 84.4 67.4 101.0

174 100.6 85.4 128.0





#47

Bromodichloromethane

Concen: 18.702 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

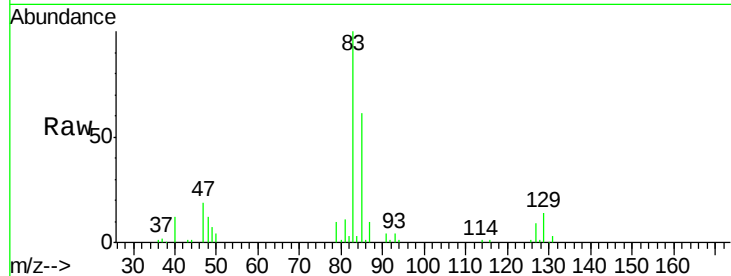
Tot Ion: 83 Resp: 195947

Ion Ratio Lower Upper

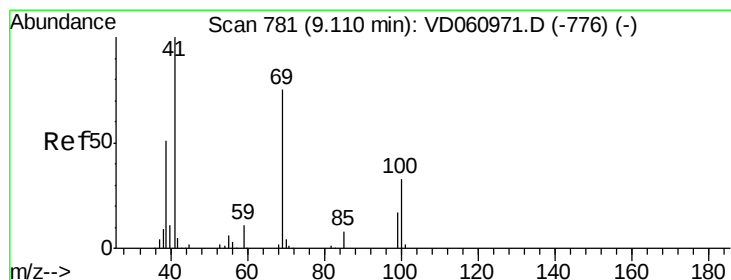
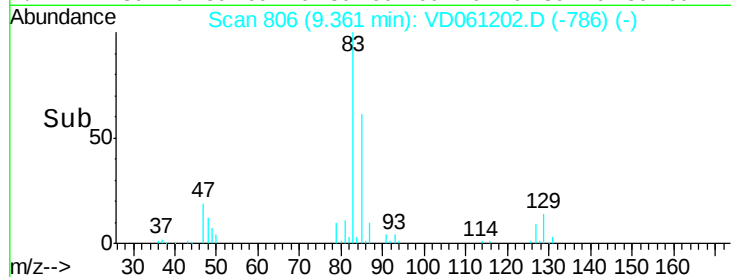
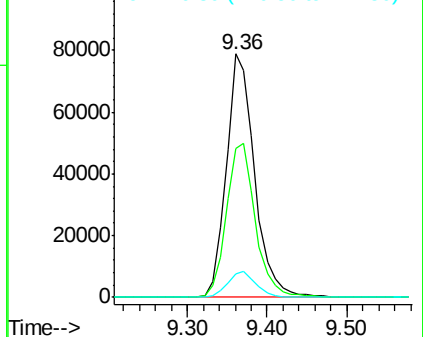
83 100

85 61.2 52.5 78.7

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 18.512 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

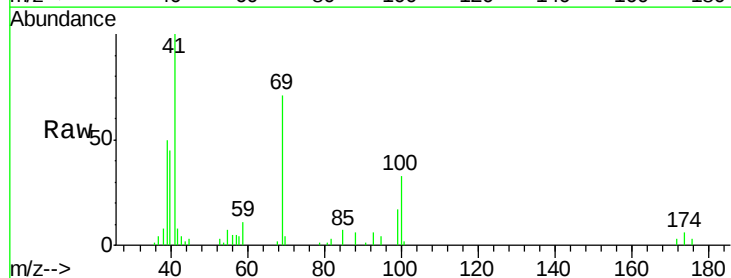
Tgt Ion: 41 Resp: 75532

Ion Ratio Lower Upper

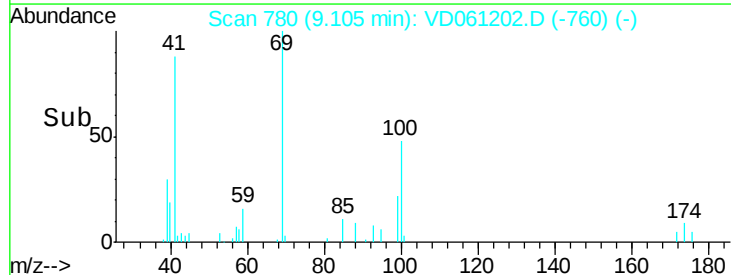
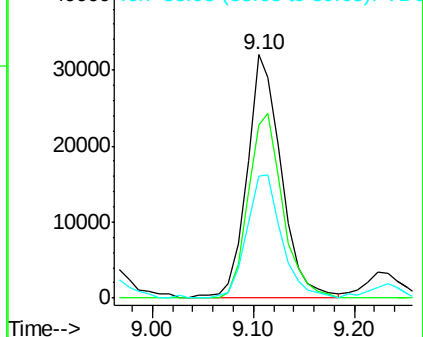
41 100

69 71.4 59.9 89.9

39 50.1 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

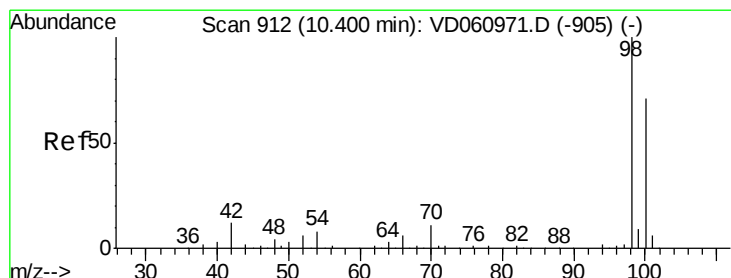
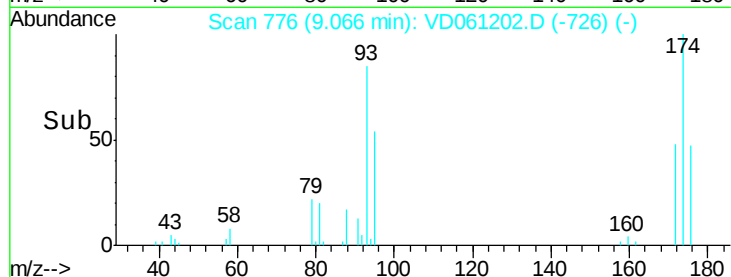
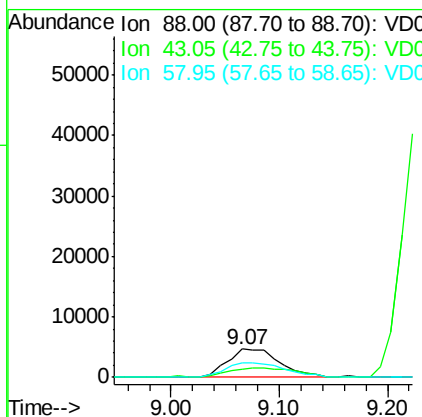
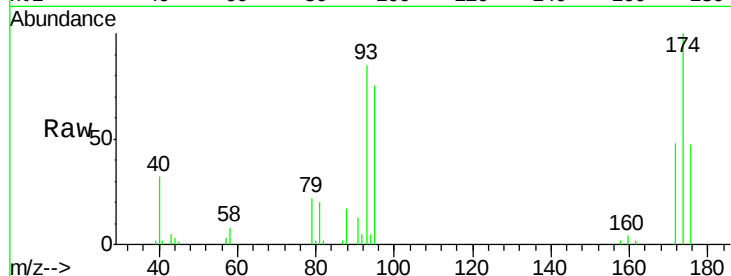




#49
 1,4-Dioxane
 Concen: 380.238 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

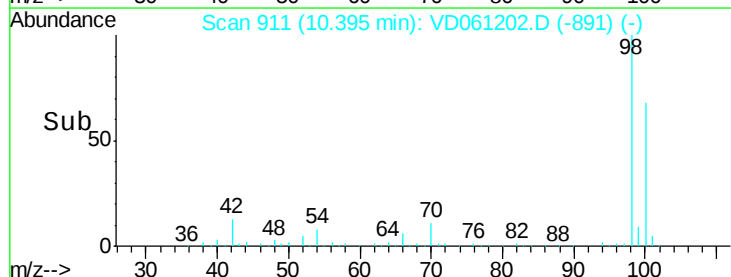
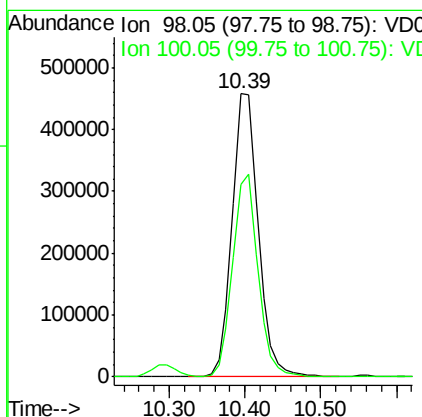
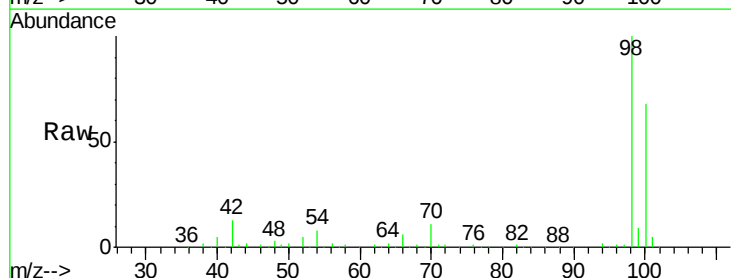
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

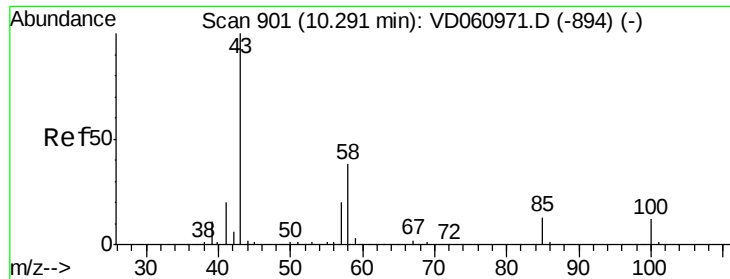
Tot Ion: 88 Resp: 15688
 Ion Ratio Lower Upper
 88 100
 43 28.7 21.0 31.6
 58 49.9 48.6 72.8



#50
 Toluene-d8
 Concen: 380.238 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 98 Resp: 1094282
 Ion Ratio Lower Upper
 98 100
 100 68.2 57.4 86.2

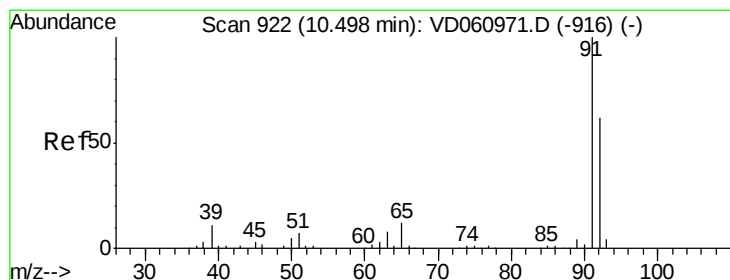
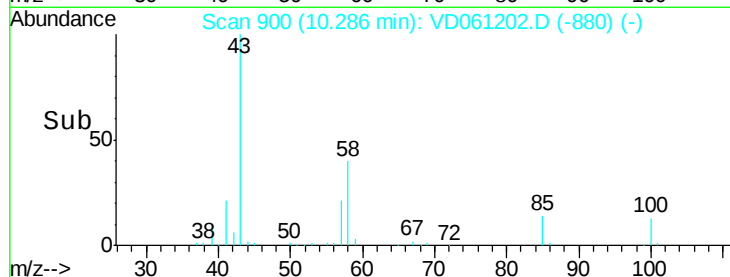
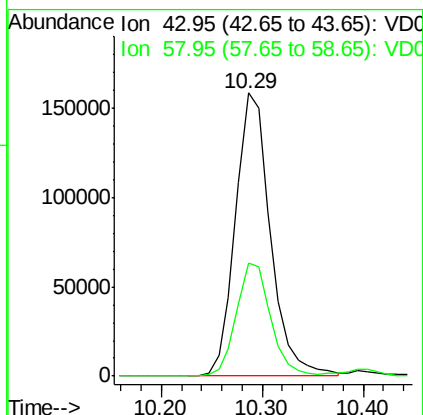
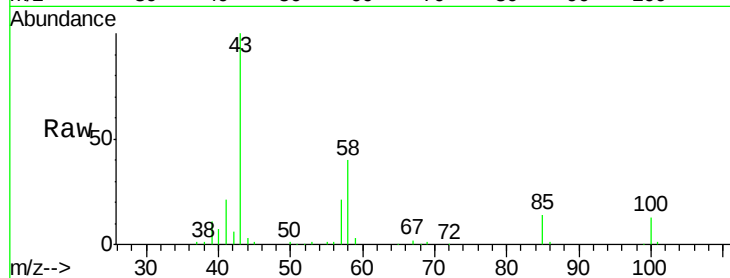




#51
4-Methyl-2-Pentanone
Concen: 86.499 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

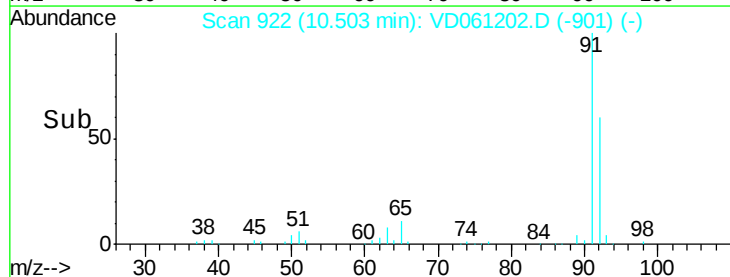
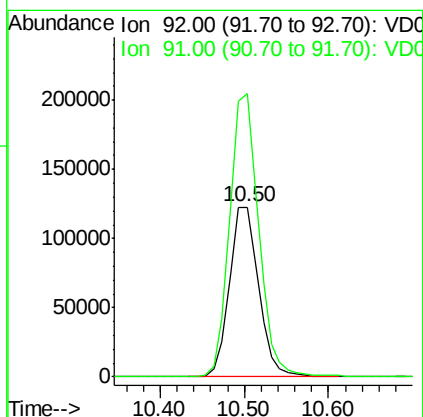
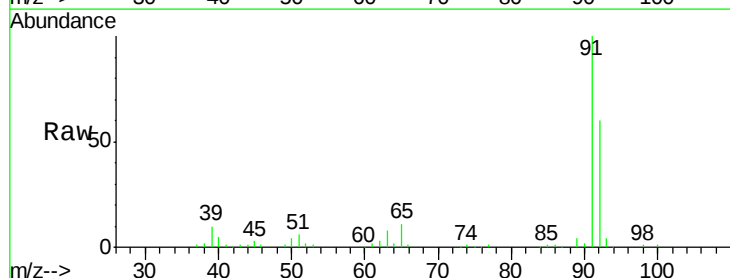
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

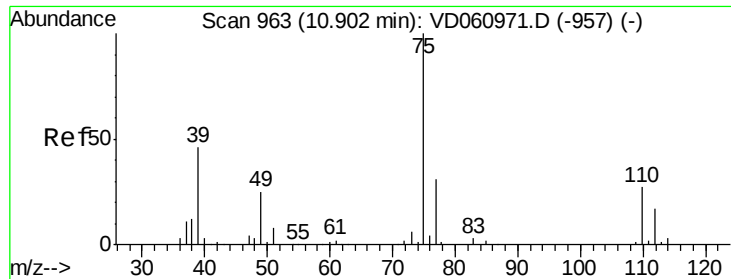
Tot Ion: 43 Resp: 384022
Ion Ratio Lower Upper
43 100
58 40.1 30.2 45.2



#52
Toluene
Concen: 17.159 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 92 Resp: 297269
Ion Ratio Lower Upper
92 100
91 166.6 129.8 194.8

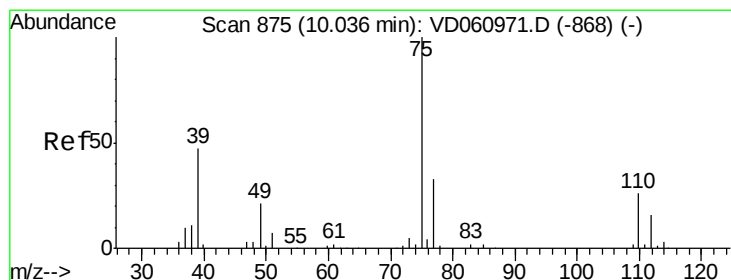
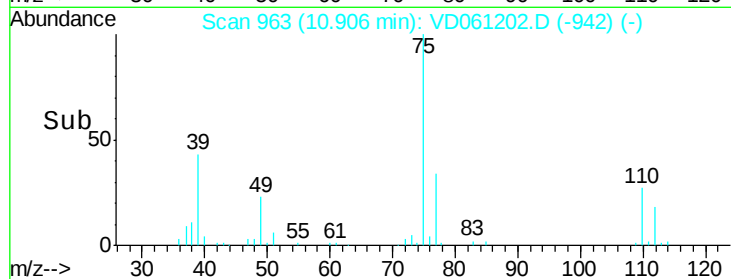
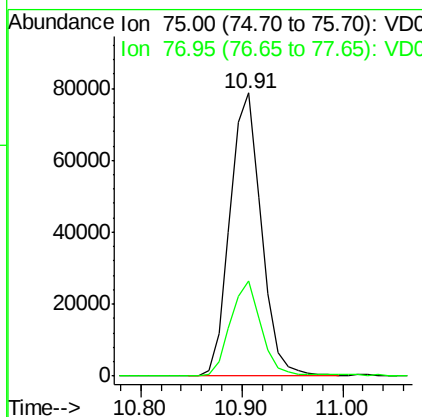
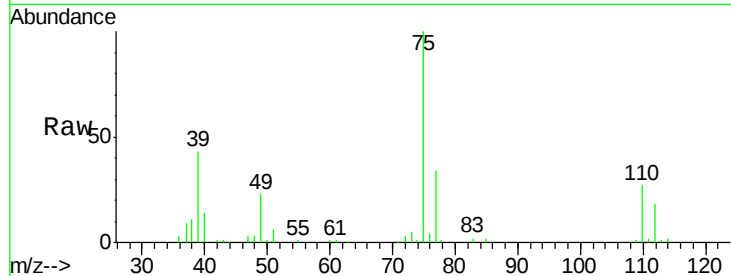




#53
 t-1,3-Dichloropropene
 Concen: 17.732 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

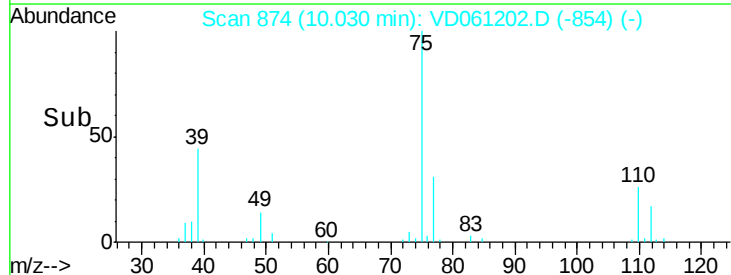
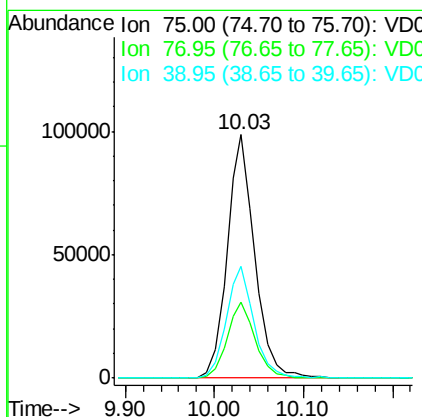
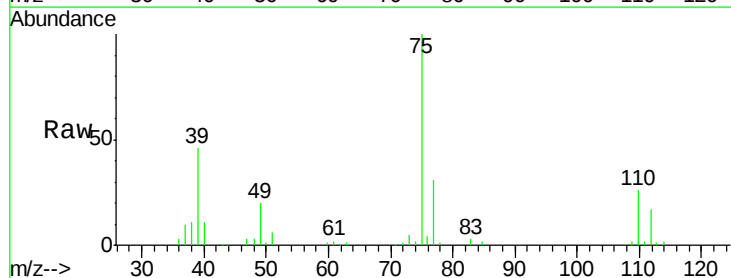
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion: 75 Resp: 169882
 Ion Ratio Lower Upper
 75 100
 77 33.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 18.493 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 75 Resp: 212870
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.4
 39 46.1 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 18.285 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

Tot Ion: 97 Resp: 105493

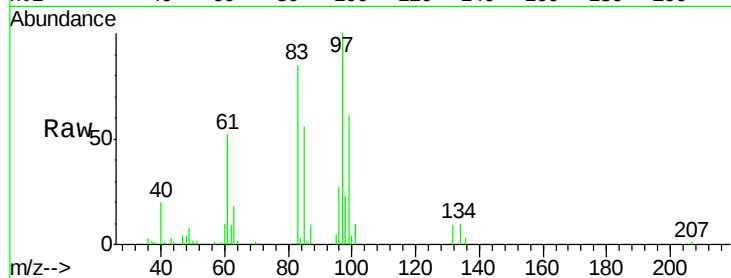
Ion Ratio Lower Upper

97 100

83 84.8 66.6 100.0

85 56.0 46.4 69.6

99 61.1 52.4 78.6

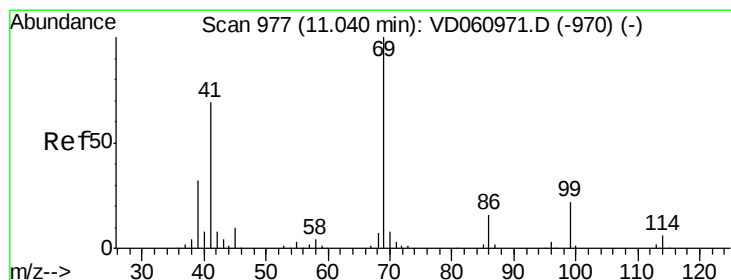
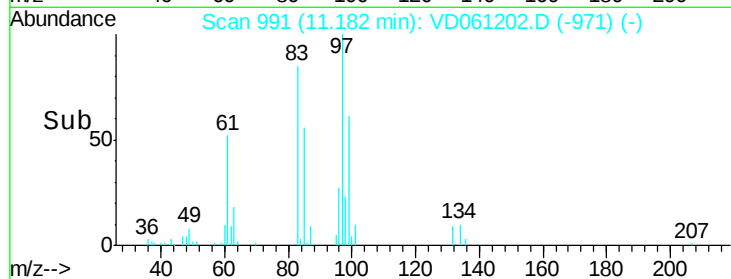
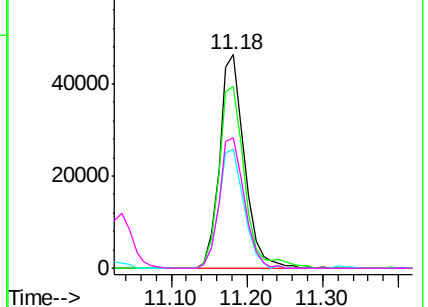


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.220 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

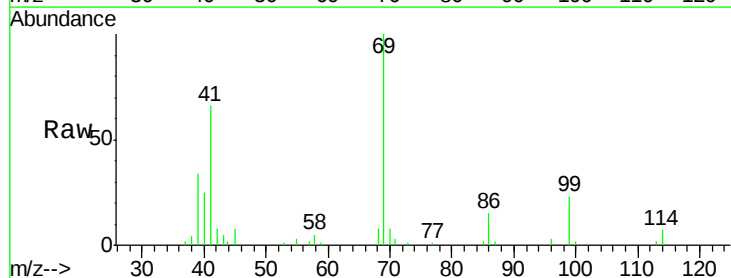
Tgt Ion: 69 Resp: 110030

Ion Ratio Lower Upper

69 100

41 65.8 55.5 83.3

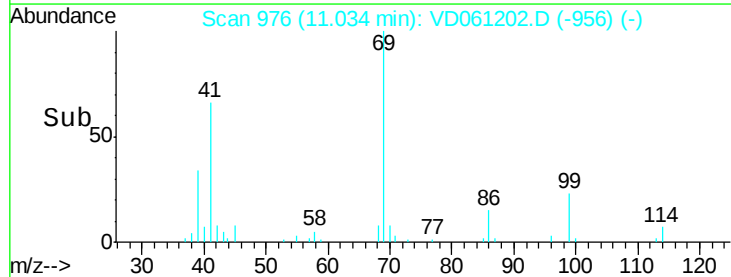
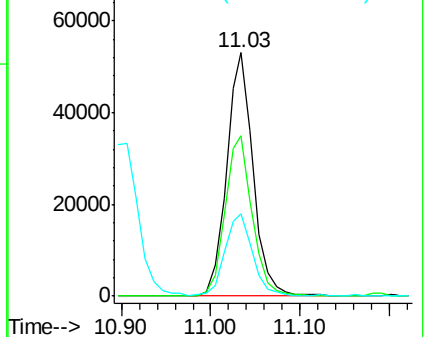
39 33.8 26.2 39.2

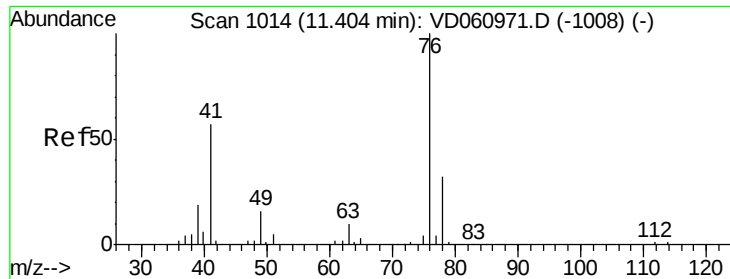


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

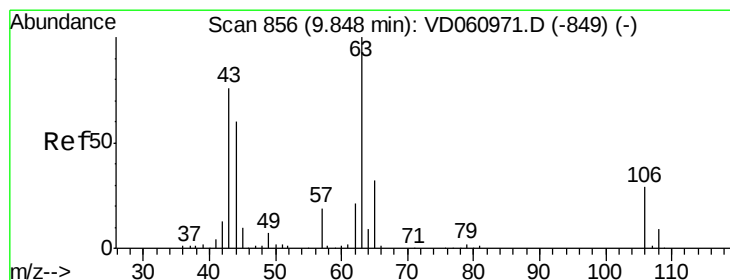
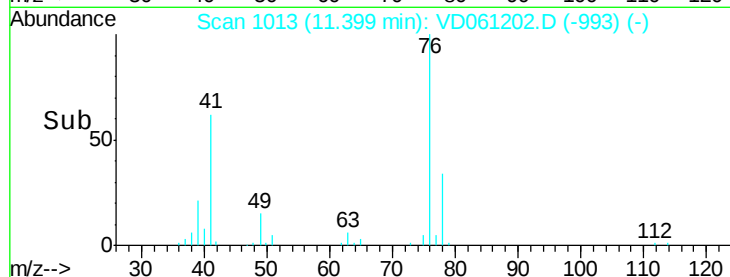
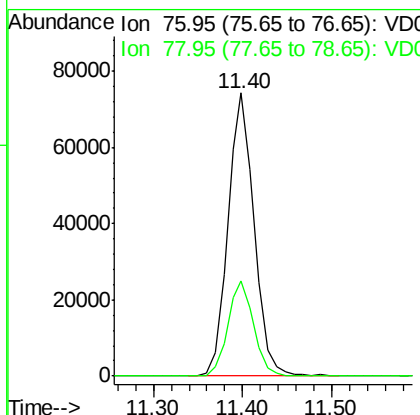
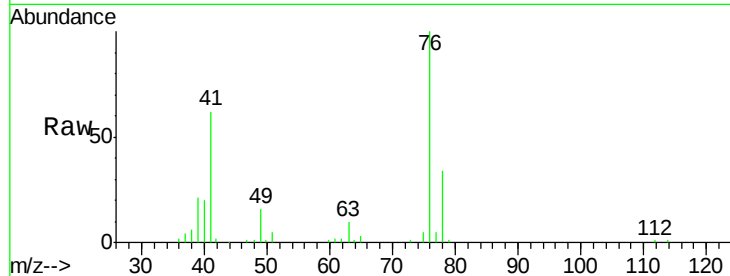




#57
 1,3-Dichloropropane
 Concen: 17.716 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

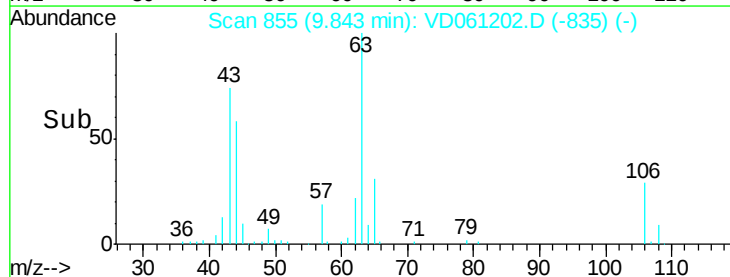
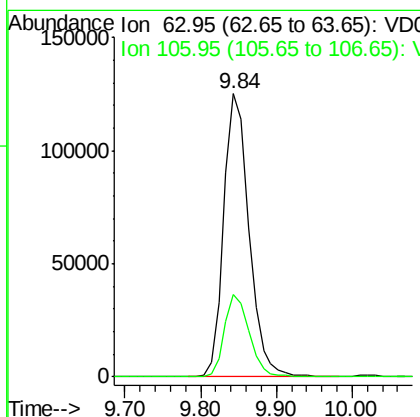
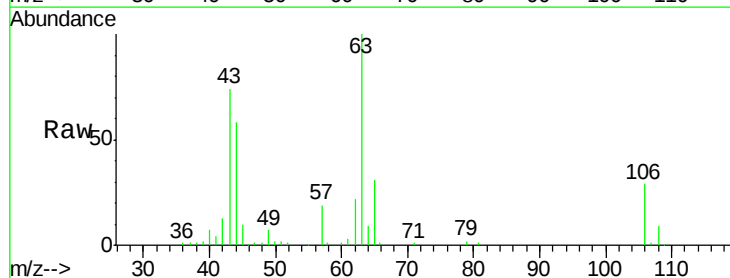
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

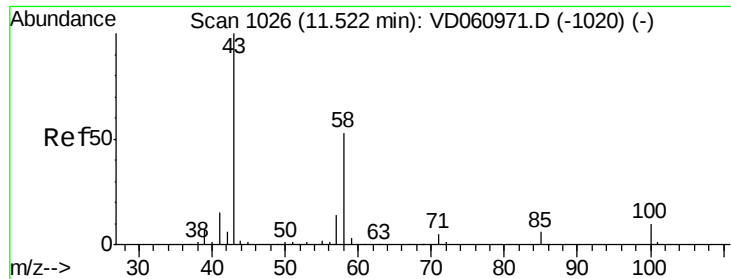
Tot Ion: 76 Resp: 152748
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.819 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 63 Resp: 290310
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.8 34.2

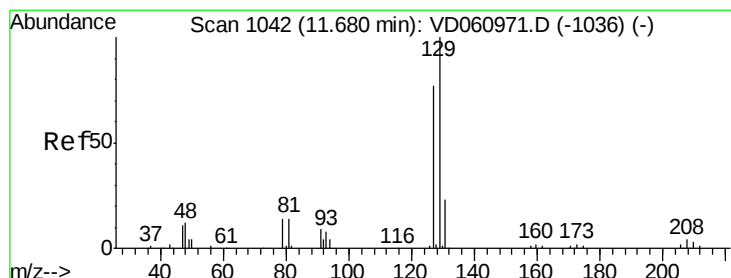
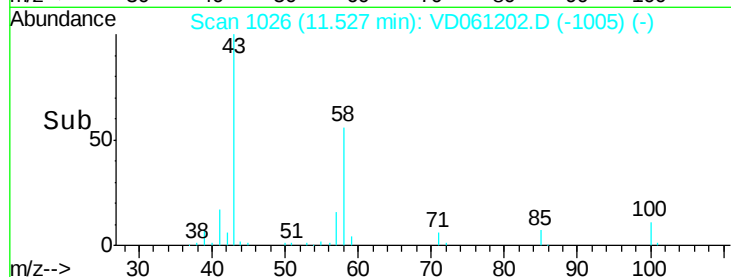
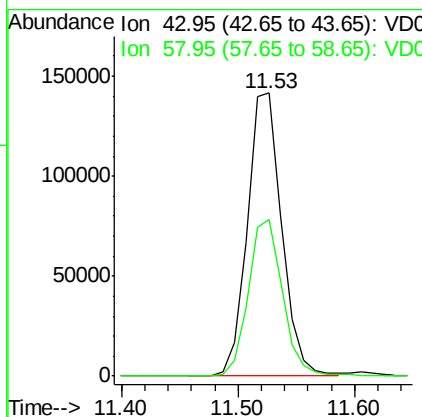
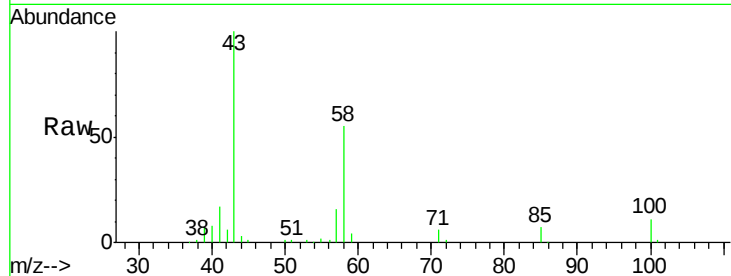




#59
2-Hexanone
Concen: 89.165 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

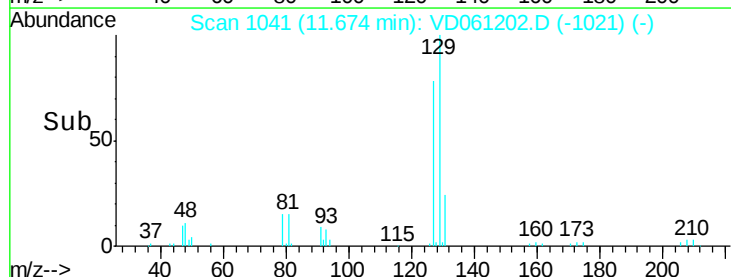
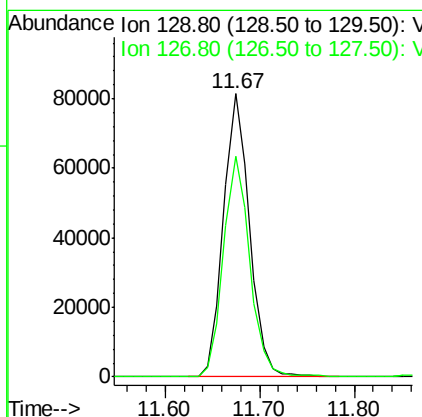
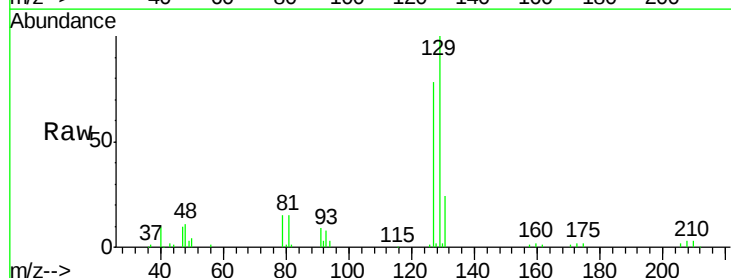
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion: 43 Resp: 289566
Ion Ratio Lower Upper
43 100
58 55.4 26.5 79.5



#60
Dibromochloromethane
Concen: 18.355 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 129 Resp: 155855
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.9

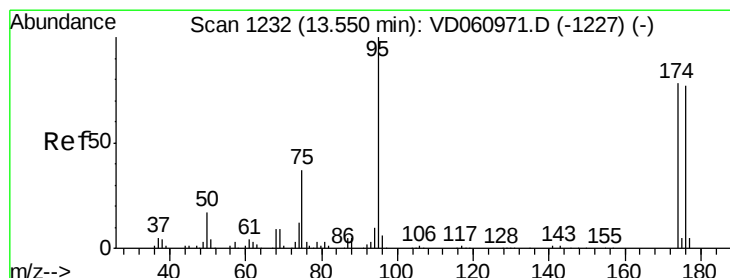
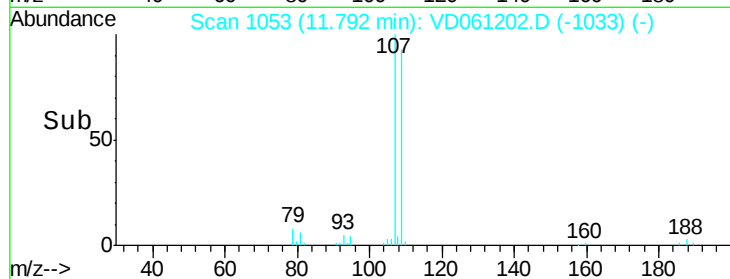
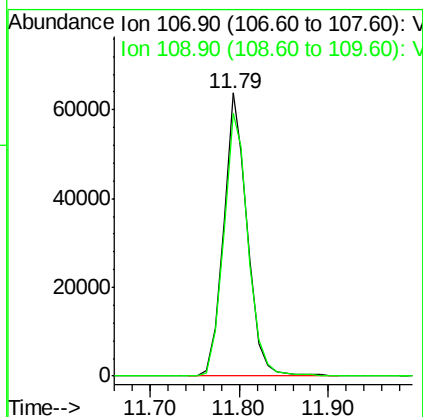
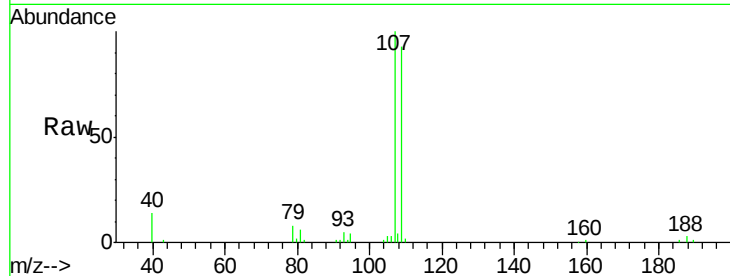




#61
 1,2-Dibromoethane
 Concen: 17.631 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

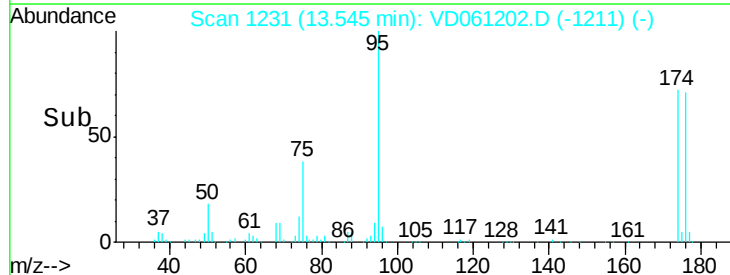
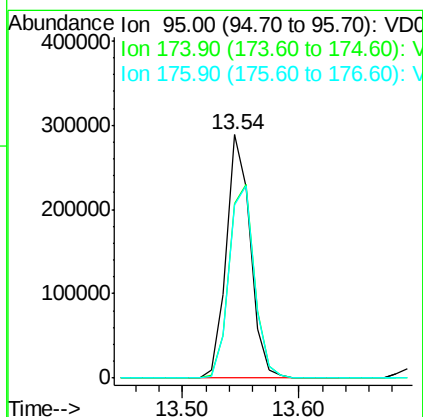
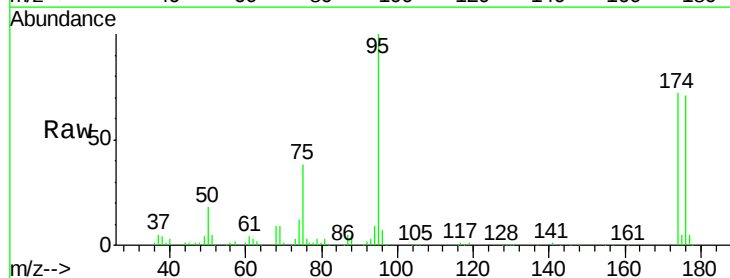
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

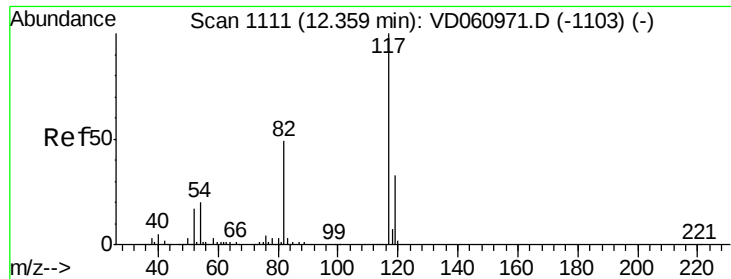
Tot Ion:107 Resp: 118335
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 17.631 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 95 Resp: 412420
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 155.6
 176 70.9 0.0 153.8

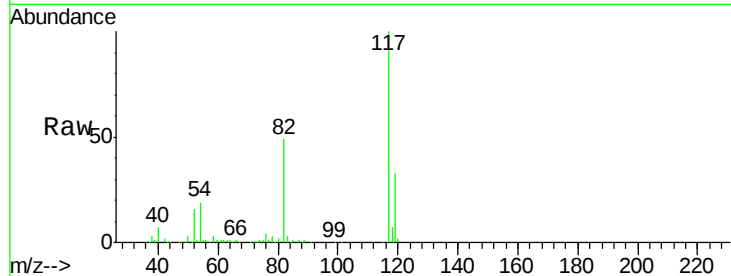




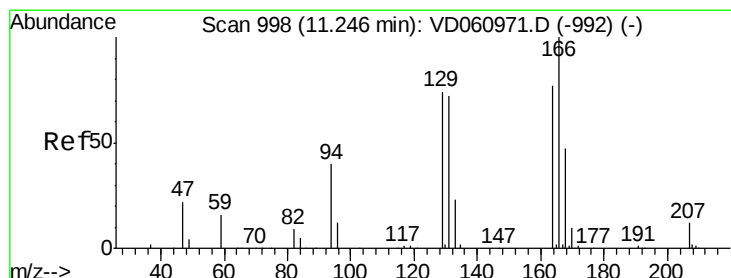
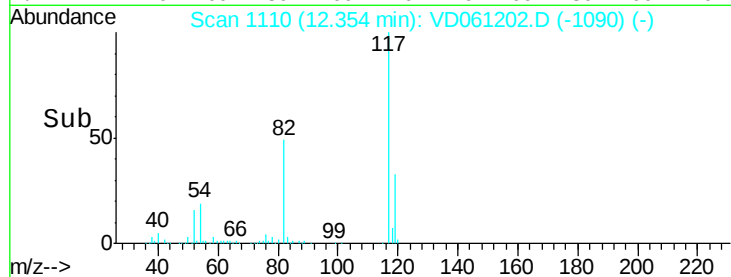
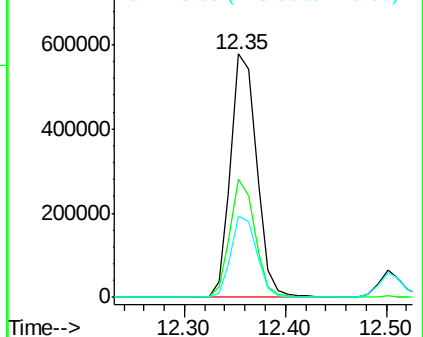
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion:117 Resp: 1047178
Ion Ratio Lower Upper
117 100
82 48.7 38.9 58.3
119 33.2 26.6 39.8

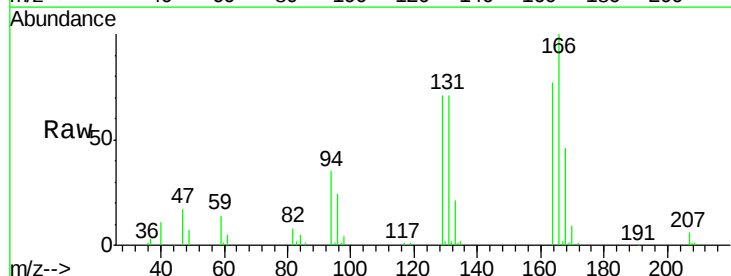


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

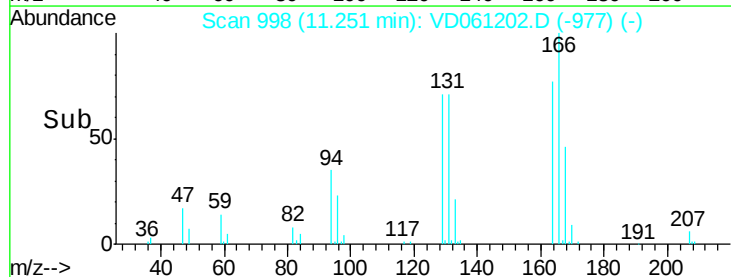
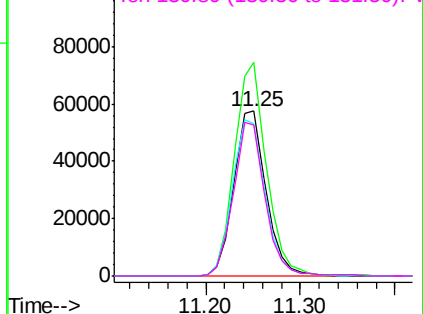


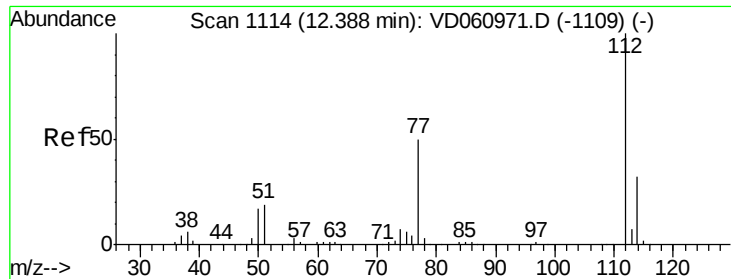
#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion:164 Resp: 135703
Ion Ratio Lower Upper
164 100
166 129.5 103.4 155.0
129 92.4 76.9 115.3
131 91.3 74.4 111.6



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

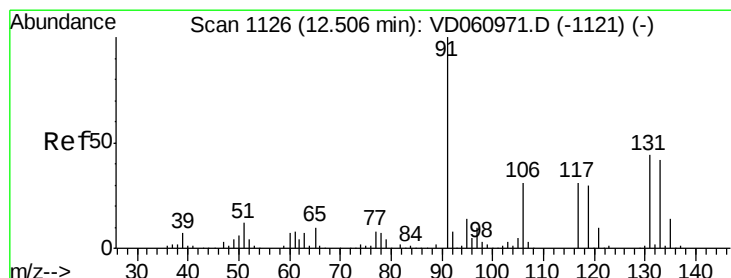
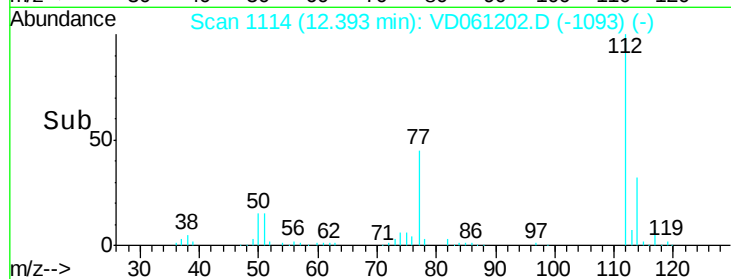
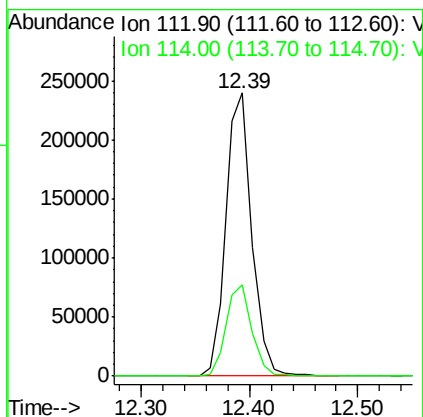
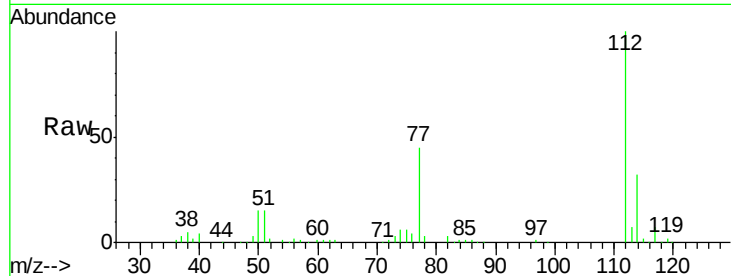




#65
Chlorobenzene
Concen: 19.431 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

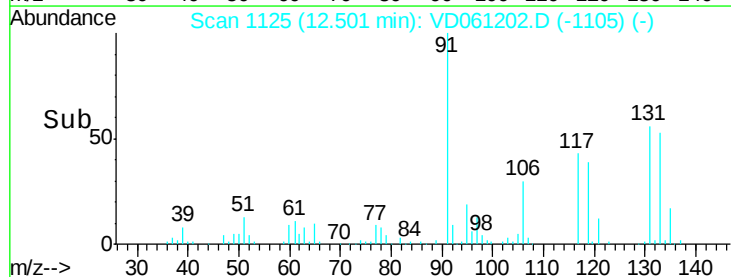
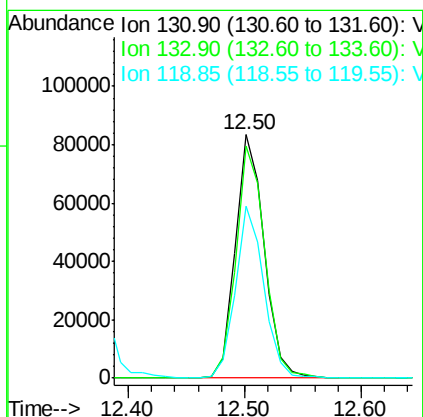
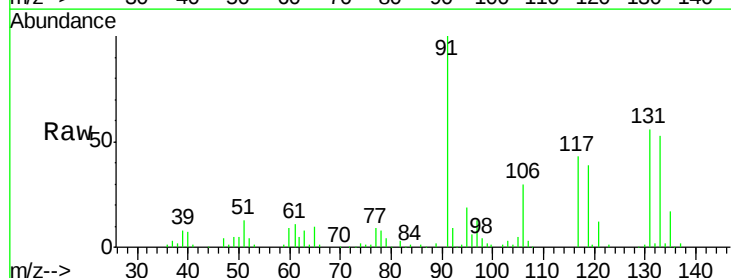
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion:112 Resp: 398901
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.454 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion:131 Resp: 142359
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 70.4 34.3 102.9

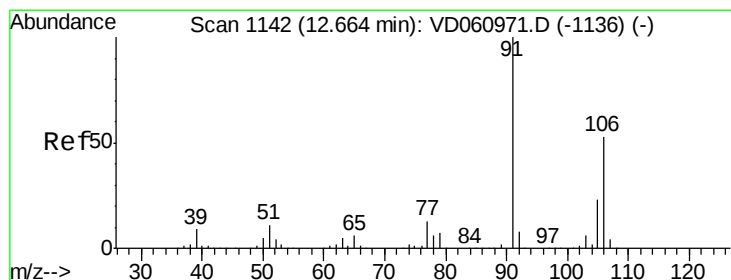
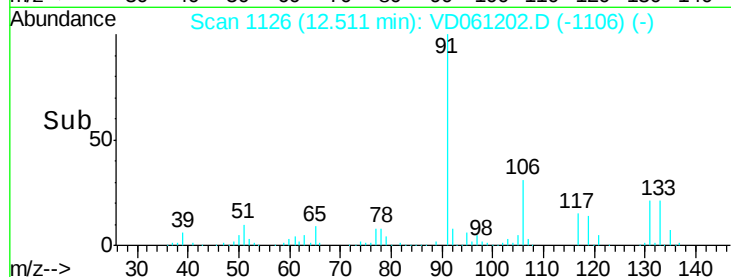
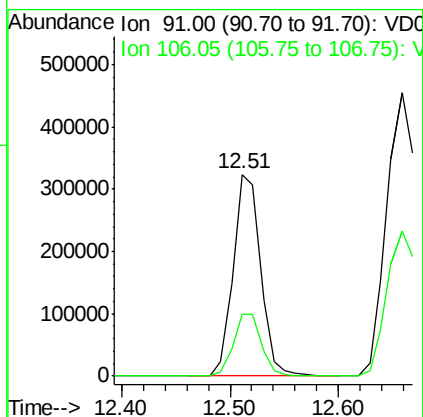
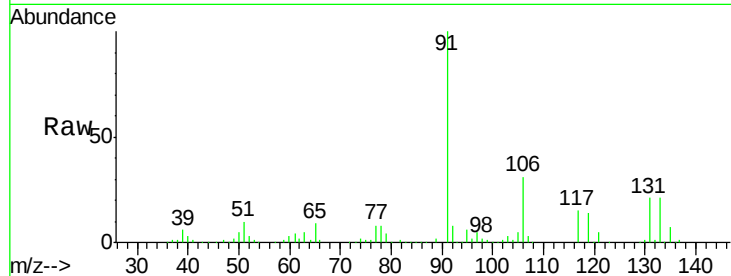




#67
Ethyl Benzene
Concen: 18.694 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

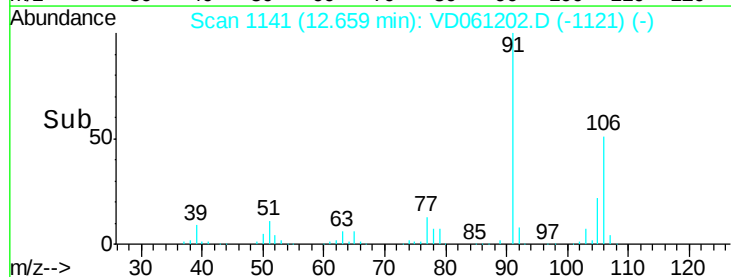
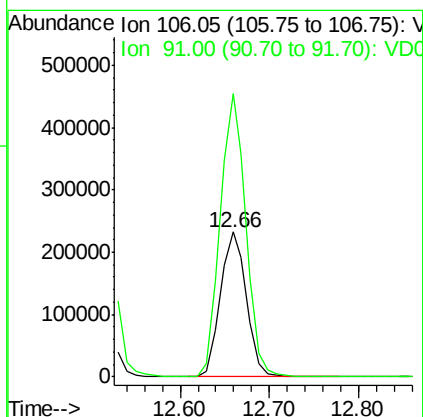
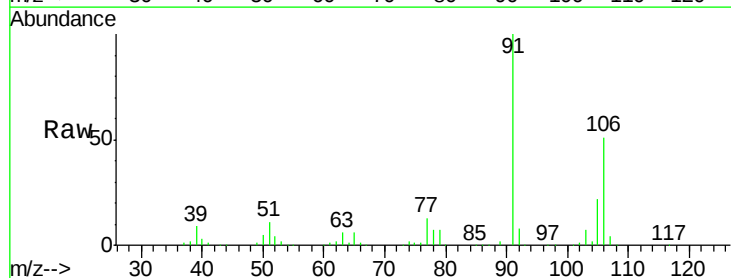
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

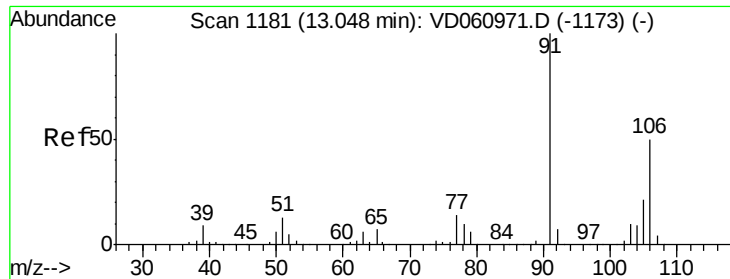
Tot Ion: 91 Resp: 571346
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5



#68
m/p-Xylenes
Concen: 39.735 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 106 Resp: 476649
Ion Ratio Lower Upper
106 100
91 195.2 152.0 228.0

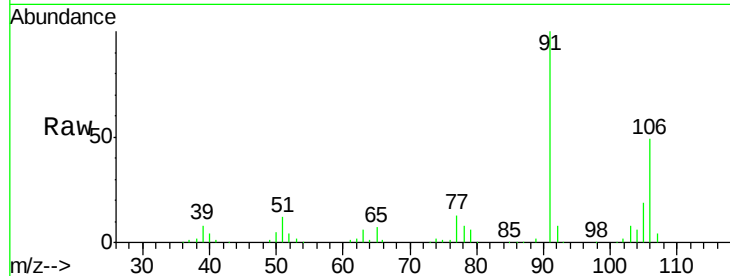




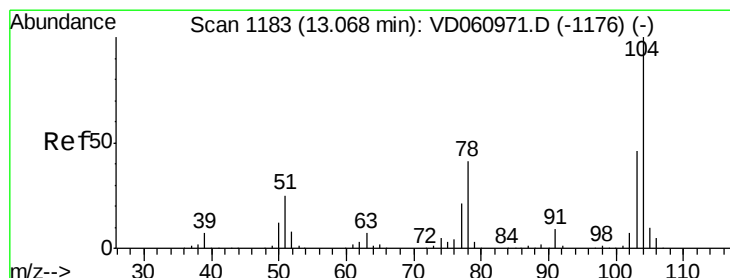
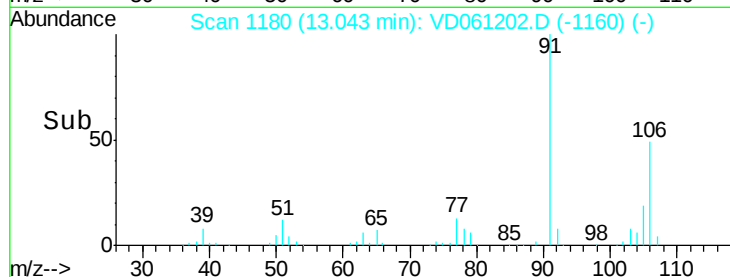
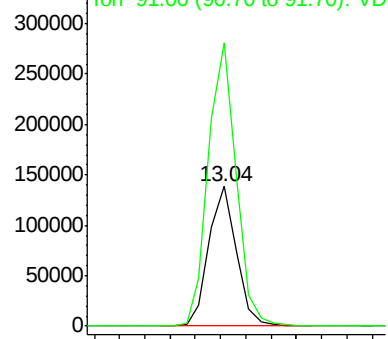
#69
o-Xylene
Concen: 17.757 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion:106 Resp: 209382
Ion Ratio Lower Upper
106 100
91 203.0 99.8 299.3

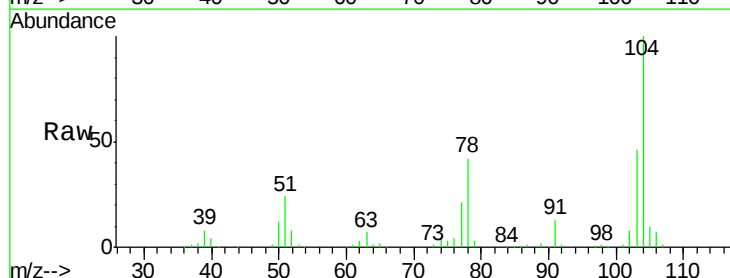


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

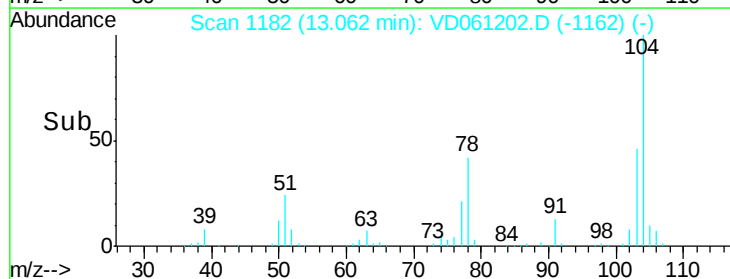
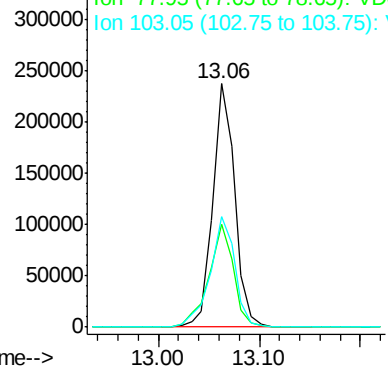


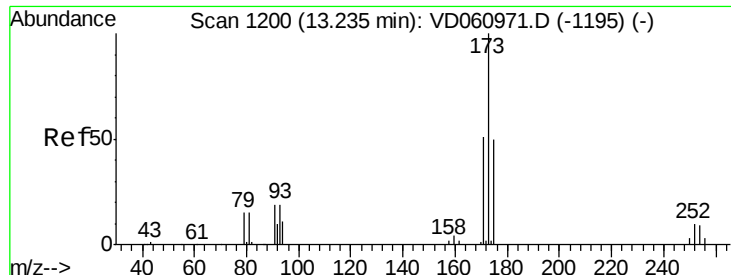
#70
Styrene
Concen: 18.501 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion:104 Resp: 356217
Ion Ratio Lower Upper
104 100
78 42.2 33.0 49.4
103 45.6 37.1 55.7



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

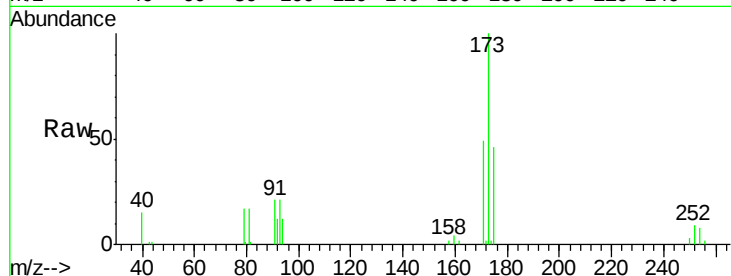




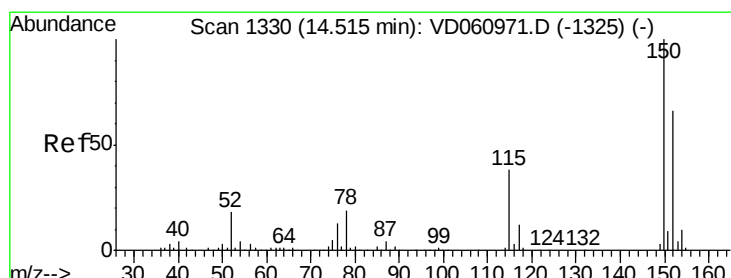
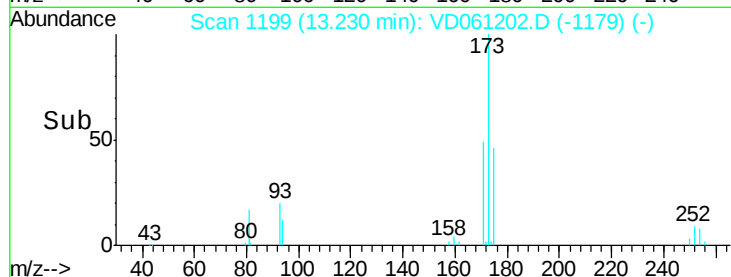
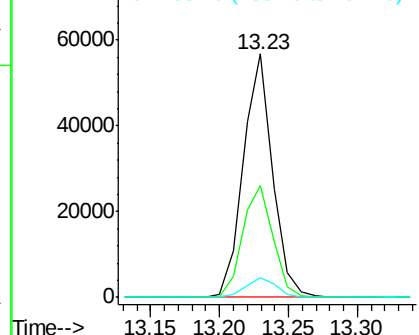
#71
Bromoform
Concen: 17.772 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion:173 Resp: 83895
Ion Ratio Lower Upper
173 100
175 46.2 24.9 74.8
254 8.3 7.3 10.9

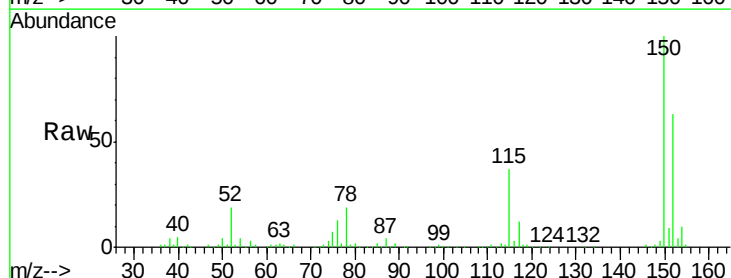


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

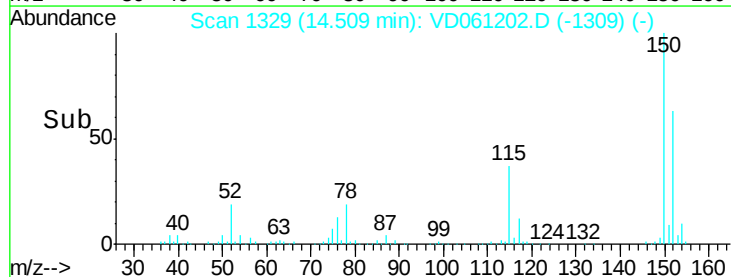
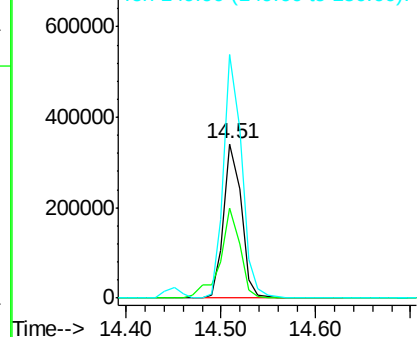


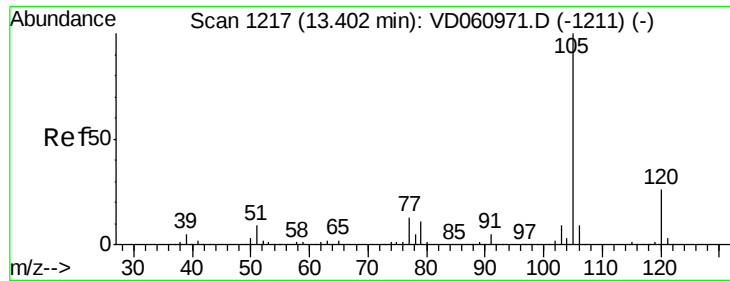
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion:152 Resp: 441788
Ion Ratio Lower Upper
152 100
115 58.5 28.6 85.9
150 157.8 0.0 310.6



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





#73

Isopropylbenzene

Concen: 19.951 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

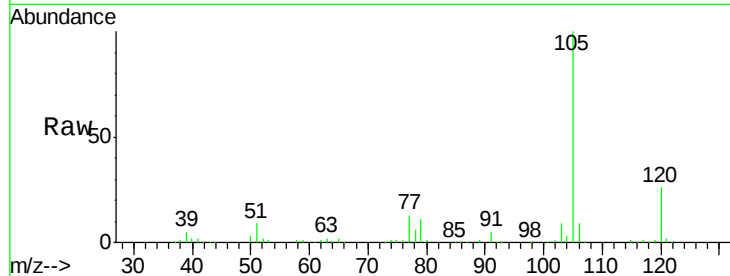
VD0320SBS01

Tot Ion:105 Resp: 635217

Ion Ratio Lower Upper

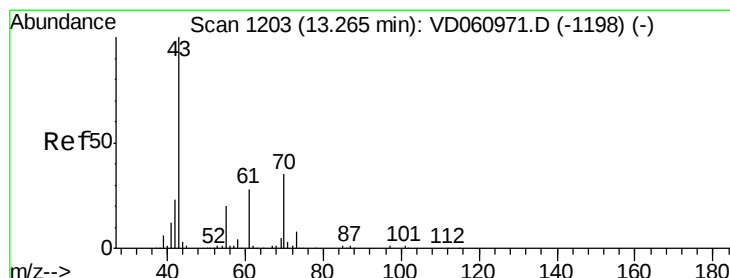
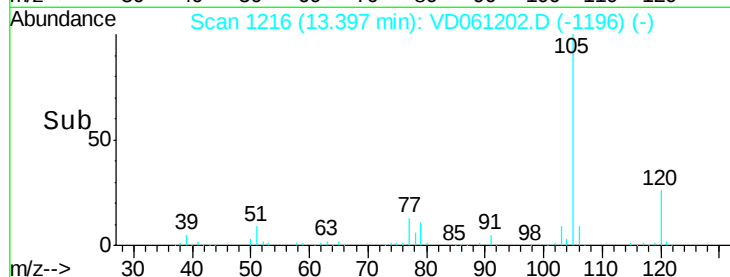
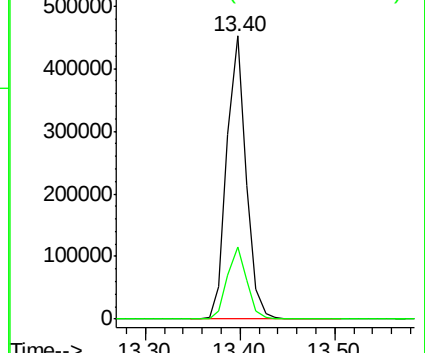
105 100

120 25.5 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.471 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Tgt Ion: 43 Resp: 156629

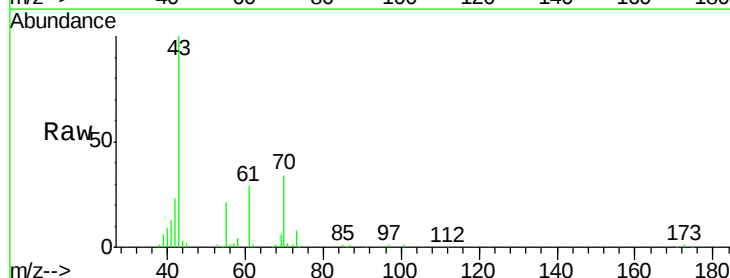
Ion Ratio Lower Upper

43 100

70 33.9 27.7 41.5

55 21.2 16.2 24.2

61 28.8 22.3 33.5

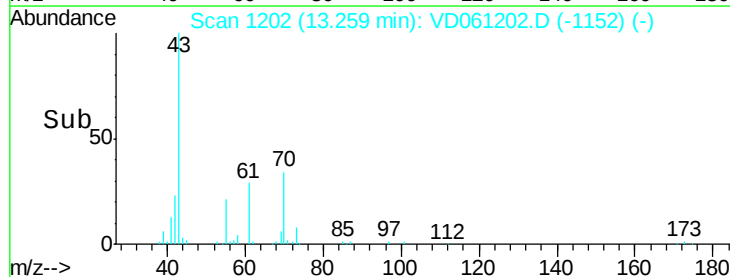
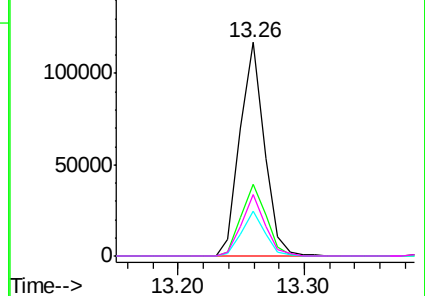


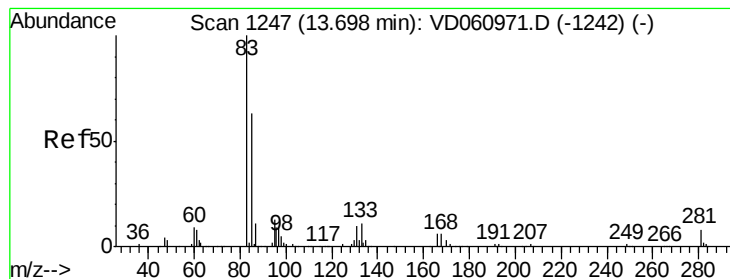
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.579 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

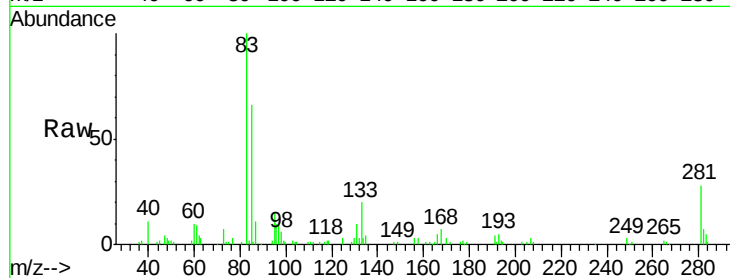
Tot Ion: 83 Resp: 109197

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

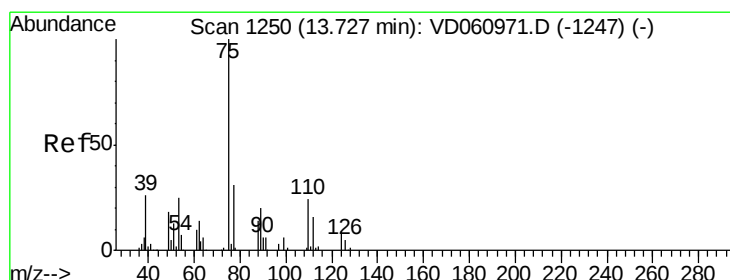
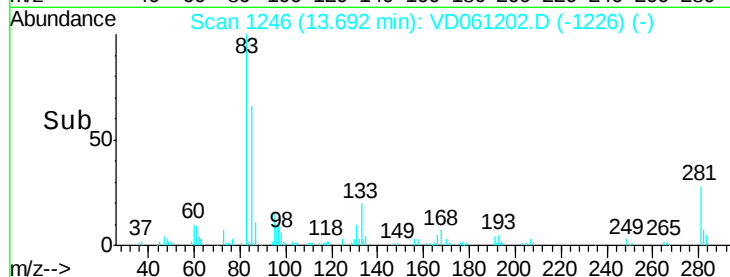
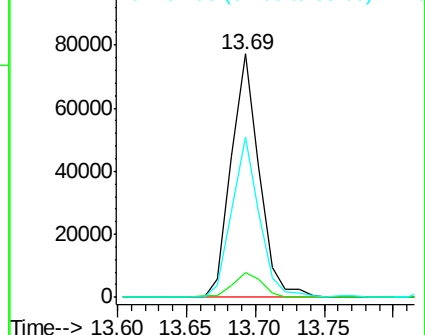
85 66.1 31.5 94.5



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: 18.831 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061202.D

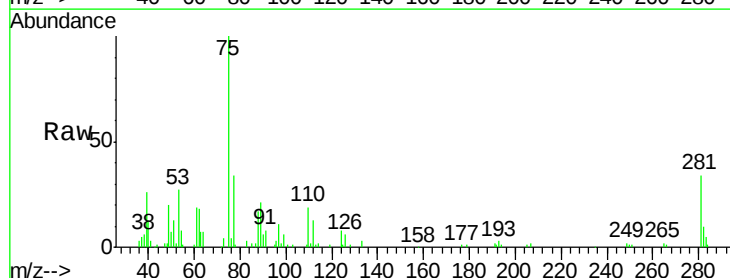
Acq: 20 Mar 2019 12:31

Tgt Ion: 75 Resp: 119691

Ion Ratio Lower Upper

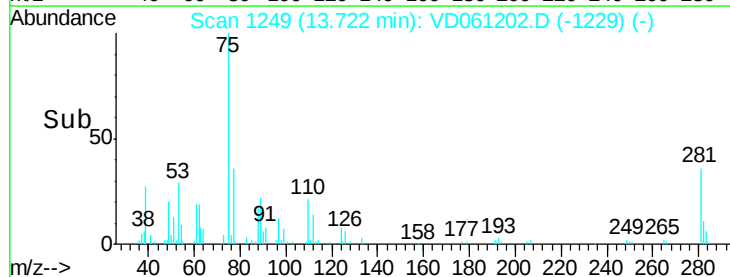
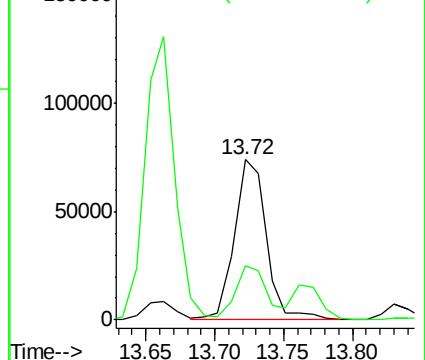
75 100

77 34.1 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: 19.584 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

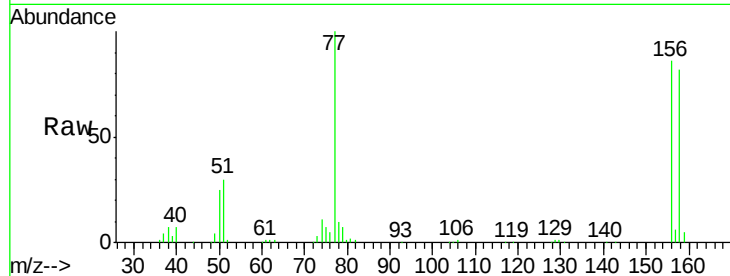
Tot Ion:156 Resp: 159168

Ion Ratio Lower Upper

156 100

77 115.8 55.5 166.7

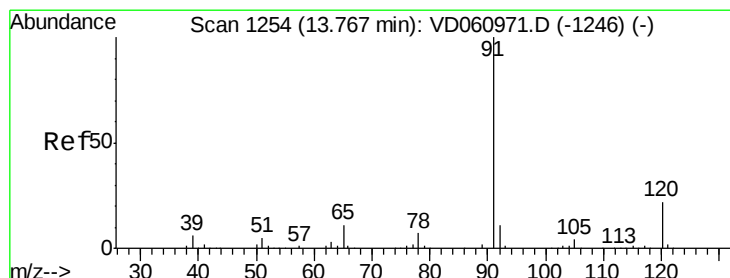
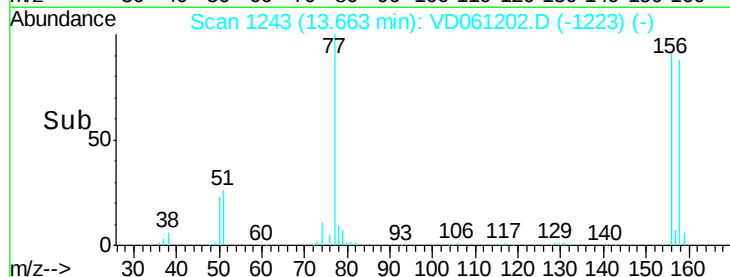
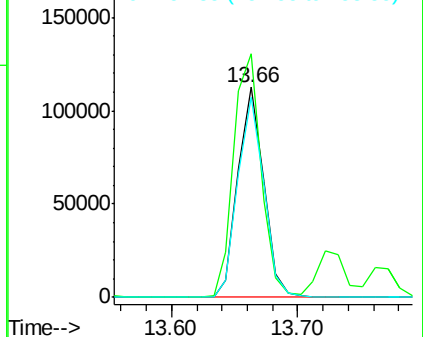
158 95.4 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.472 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061202.D

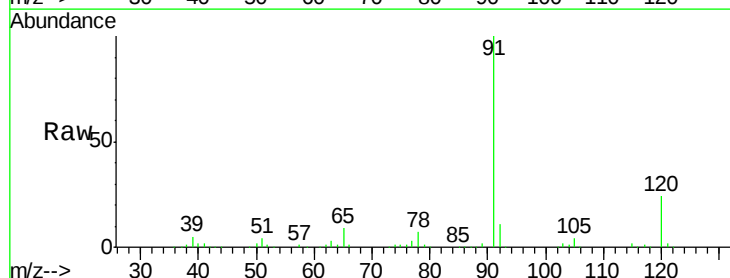
Acq: 20 Mar 2019 12:31

Tgt Ion: 91 Resp: 688518

Ion Ratio Lower Upper

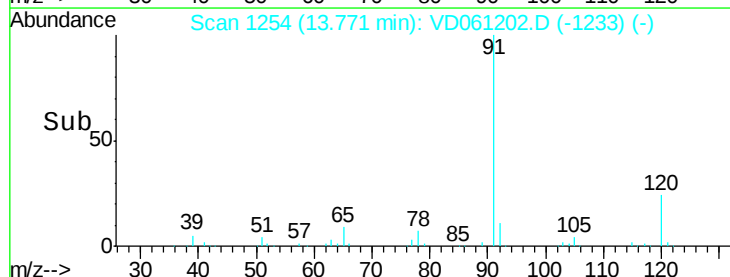
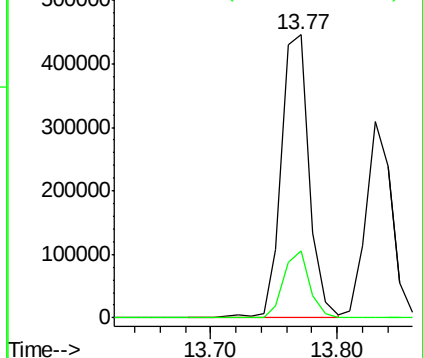
91 100

120 23.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.096 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

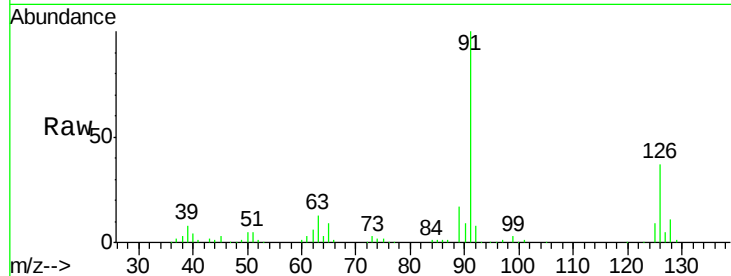
VD0320SBS01

Tot Ion: 91 Resp: 432901

Ion Ratio Lower Upper

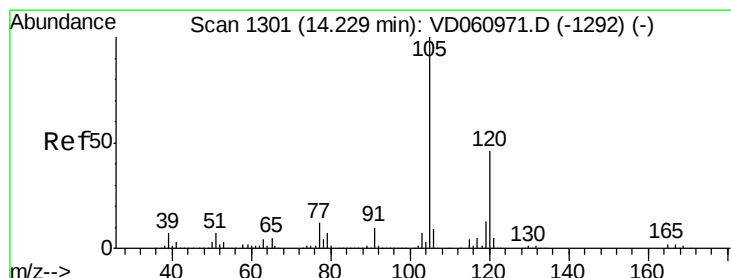
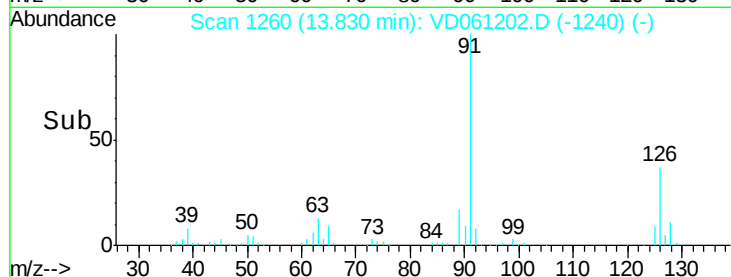
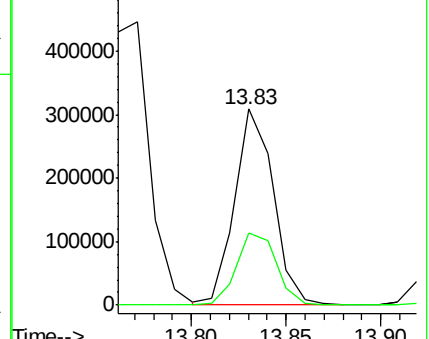
91 100

126 36.8 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 19.139 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061202.D

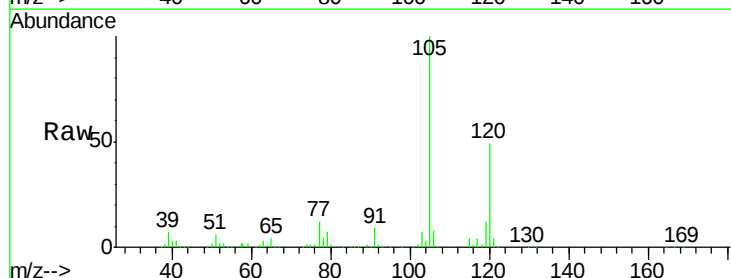
Acq: 20 Mar 2019 12:31

Tgt Ion:105 Resp: 462602

Ion Ratio Lower Upper

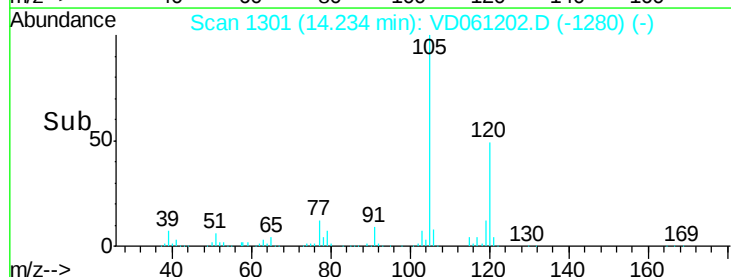
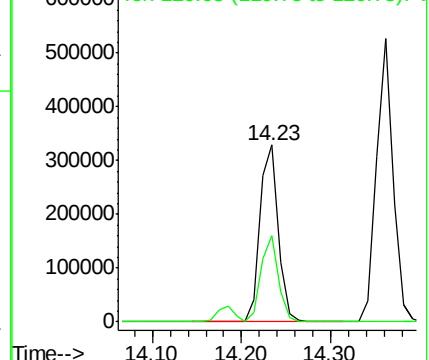
105 100

120 48.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

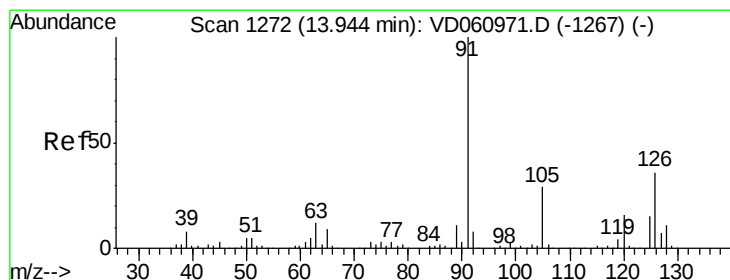
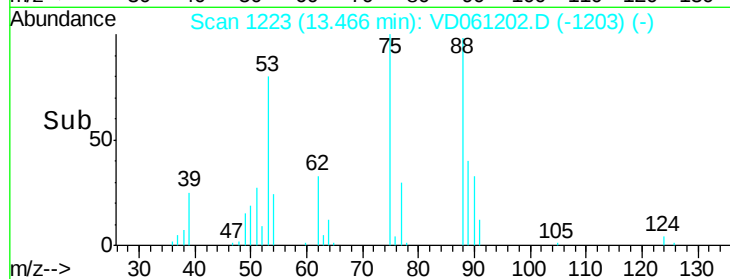
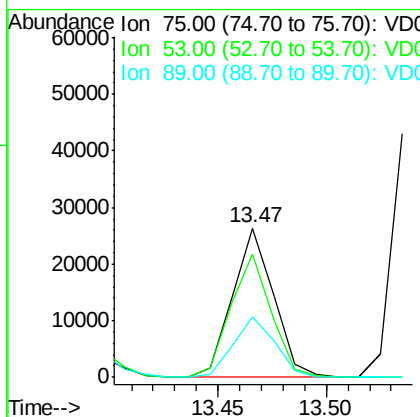
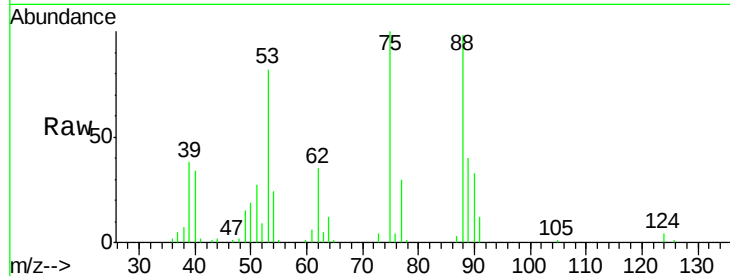




#81
trans-1,4-Dichloro-2-butene
Concen: 18.700 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

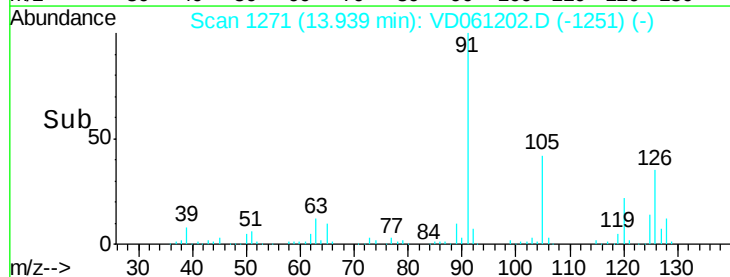
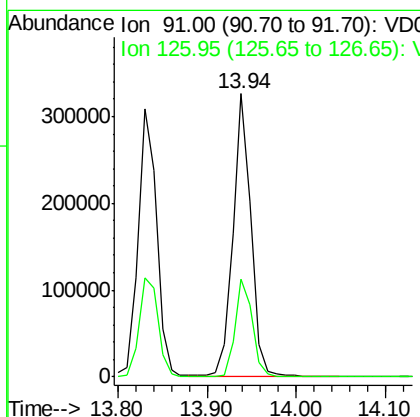
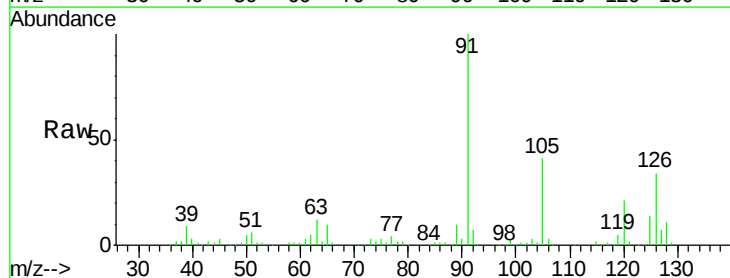
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS01

Tot Ion: 75 Resp: 35041
Ion Ratio Lower Upper
75 100
53 82.3 64.4 96.6
89 40.2 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.113 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061202.D
Acq: 20 Mar 2019 12:31

Tgt Ion: 91 Resp: 463669
Ion Ratio Lower Upper
91 100
126 34.4 18.0 54.0





#83

tert-Butylbenzene

Concen: 21.129 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

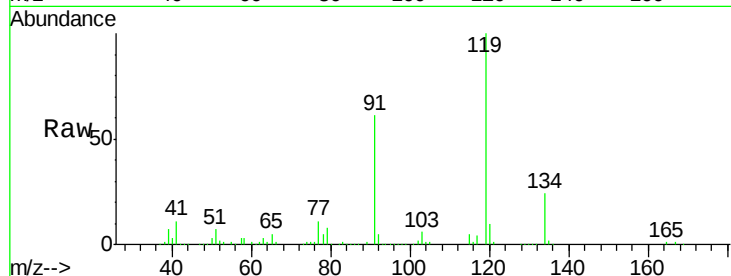
Tot Ion:119 Resp: 558896

Ion Ratio Lower Upper

119 100

91 61.0 30.1 90.3

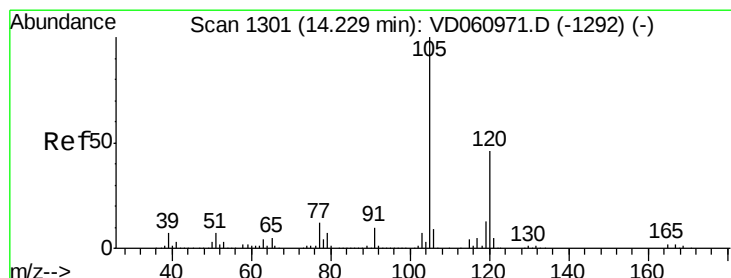
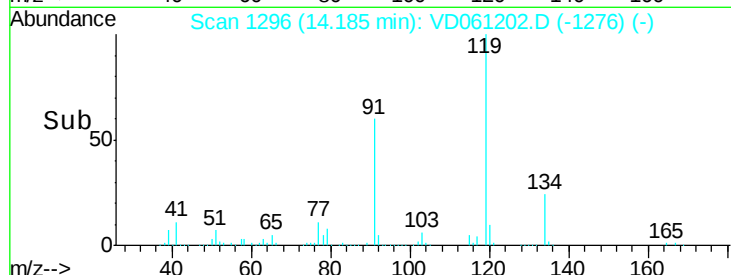
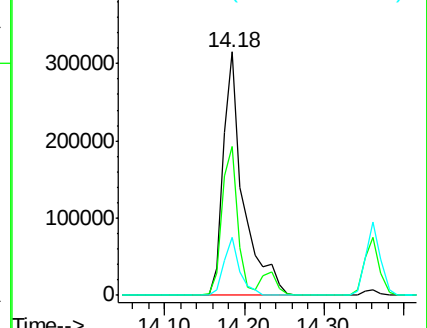
134 24.1 11.6 34.7



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: 19.139 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061202.D

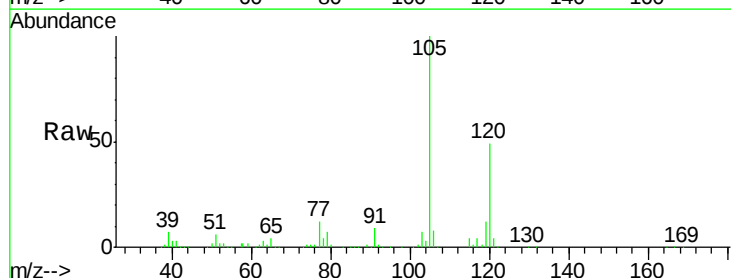
Acq: 20 Mar 2019 12:31

Tgt Ion:105 Resp: 462602

Ion Ratio Lower Upper

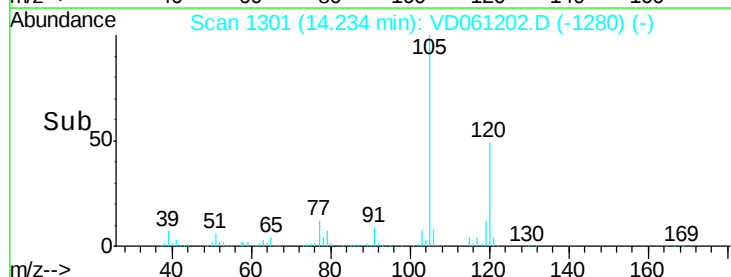
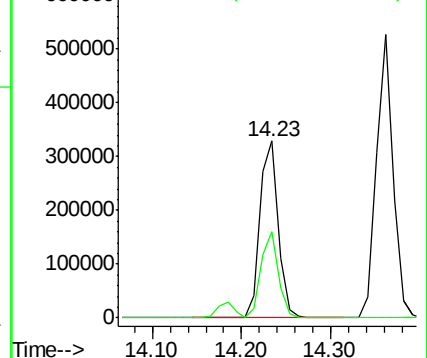
105 100

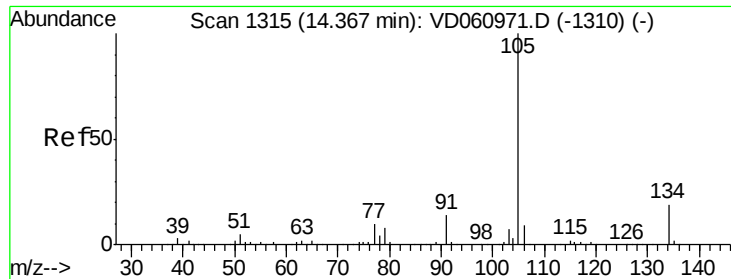
120 48.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.784 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

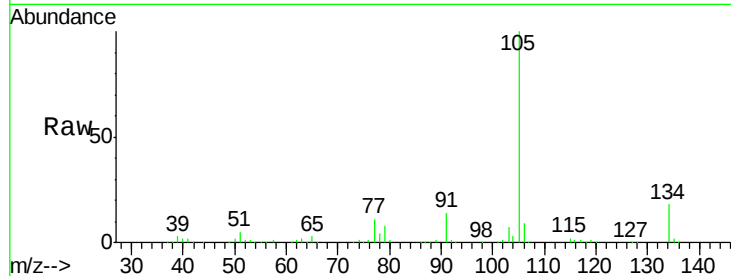
VD0320SBS01

Tot Ion:105 Resp: 671191

Ion Ratio Lower Upper

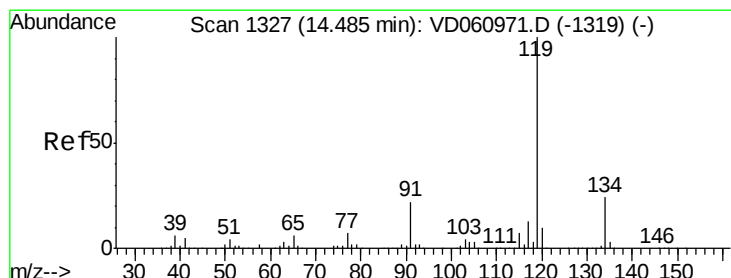
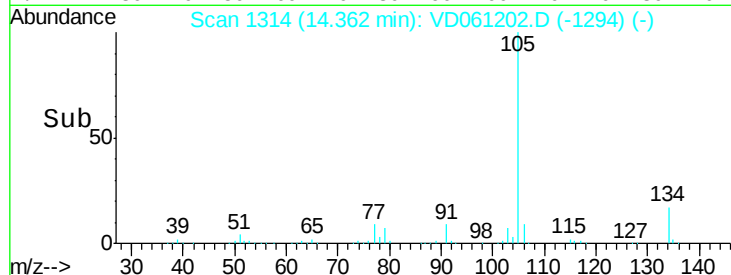
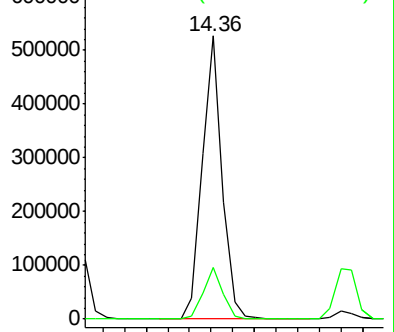
105 100

134 18.1 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.186 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

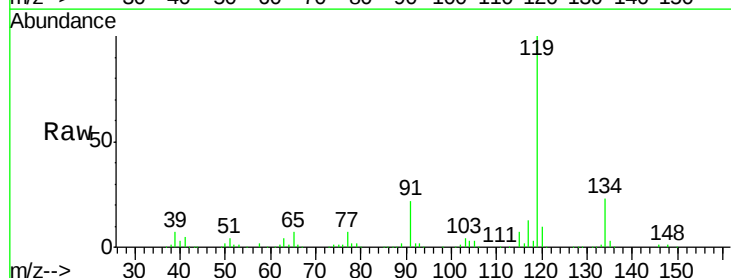
Tgt Ion:119 Resp: 559238

Ion Ratio Lower Upper

119 100

134 22.6 12.0 36.1

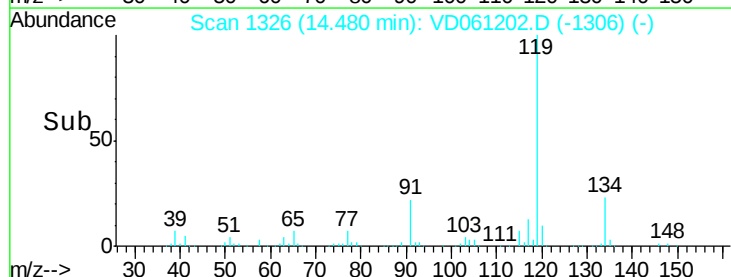
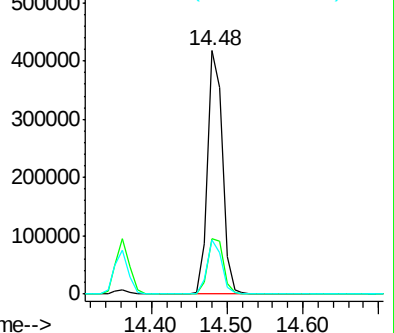
91 22.3 11.2 33.6



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

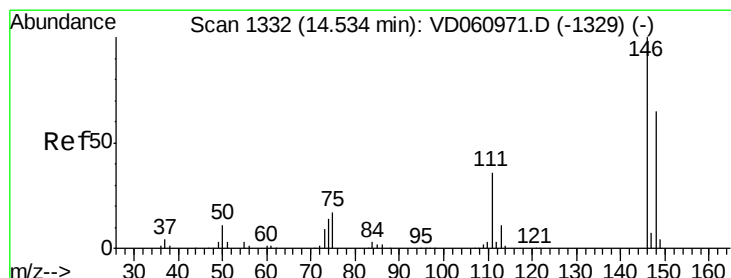
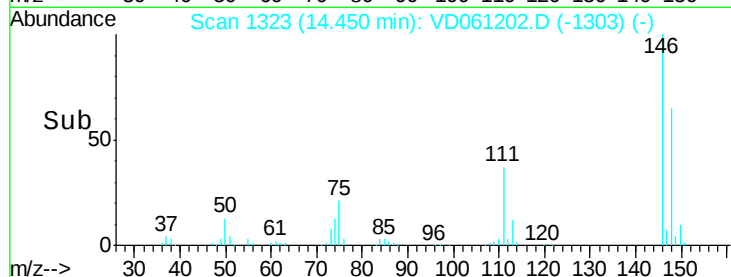
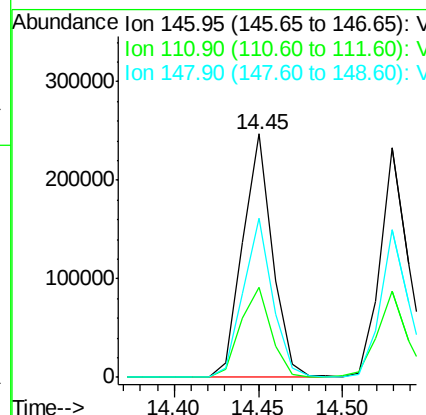
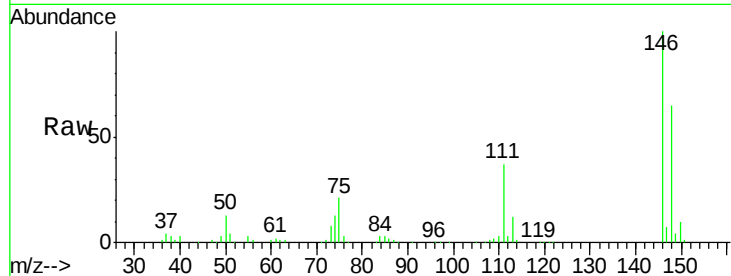




#87
 1,3-Dichlorobenzene
 Concen: 20.924 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

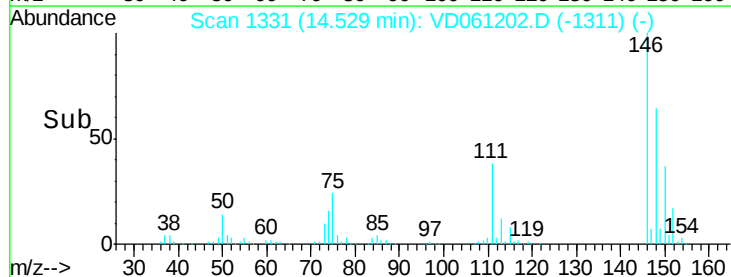
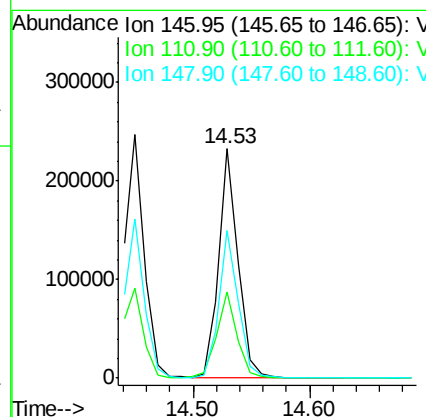
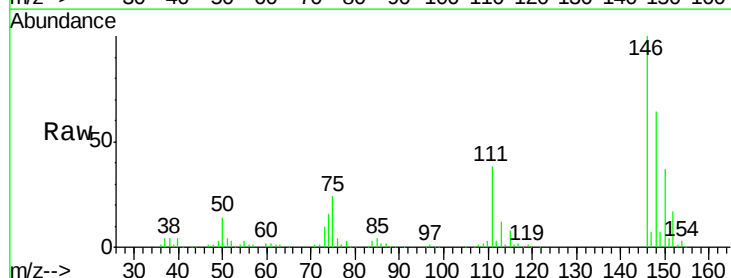
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion:146 Resp: 303662
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.4
 148 65.1 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 18.966 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion:146 Resp: 270480
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.2
 148 64.3 32.5 97.5





#89

n-Butylbenzene

Concen: 19.783 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

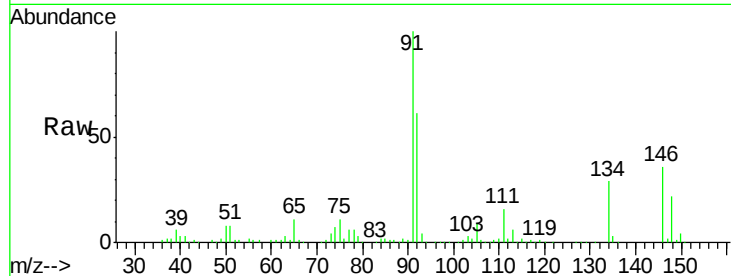
Tot Ion: 91 Resp: 501465

Ion Ratio Lower Upper

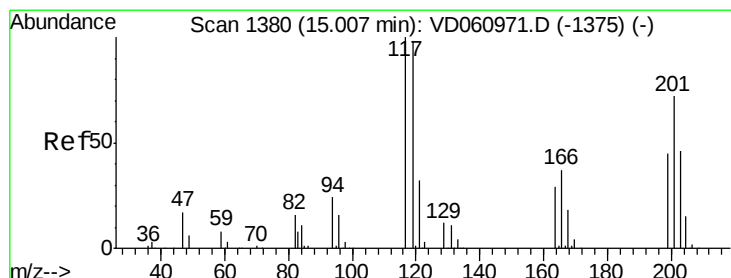
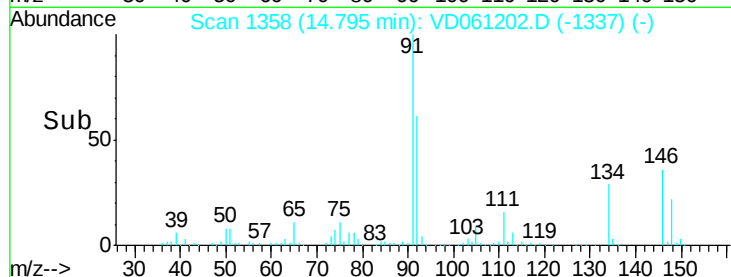
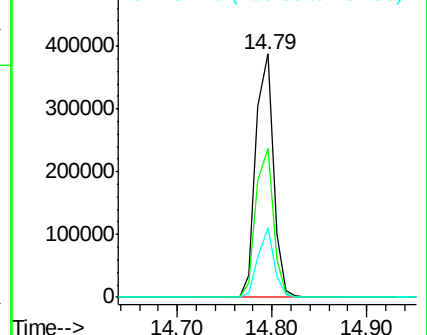
91 100

92 61.2 30.6 91.8

134 28.5 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): V



#90

Hexachloroethane

Concen: 19.889 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061202.D

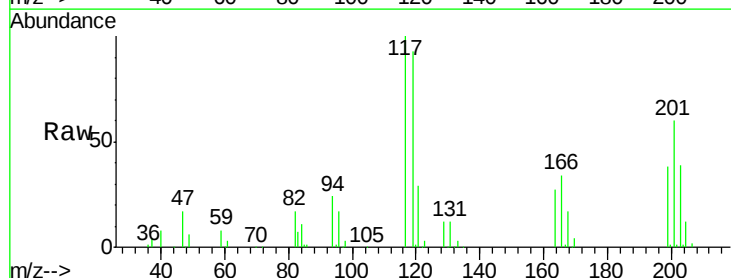
Acq: 20 Mar 2019 12:31

Tgt Ion: 117 Resp: 148246

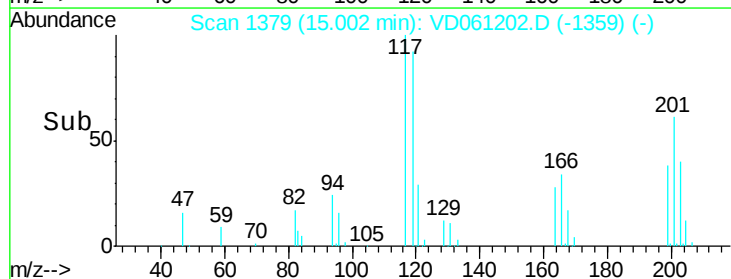
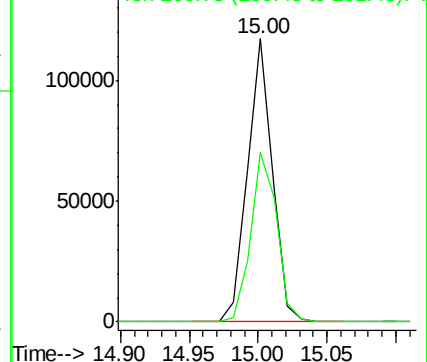
Ion Ratio Lower Upper

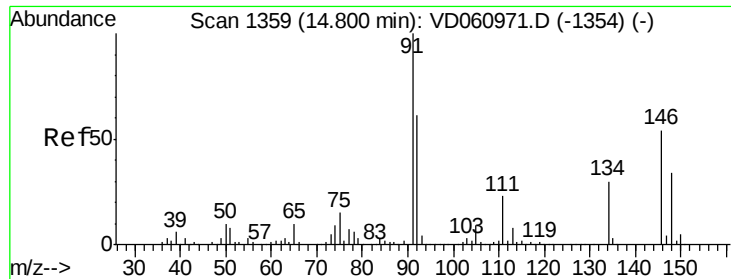
117 100

201 60.0 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

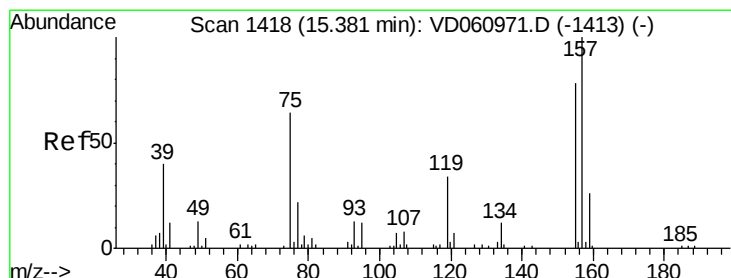
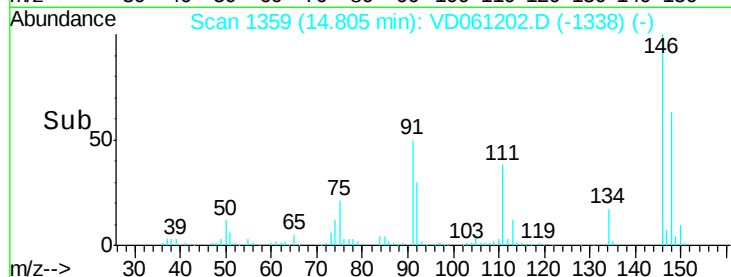
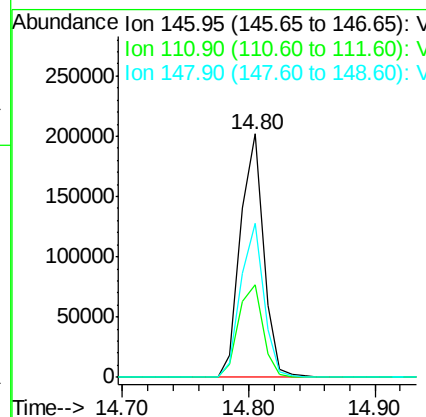
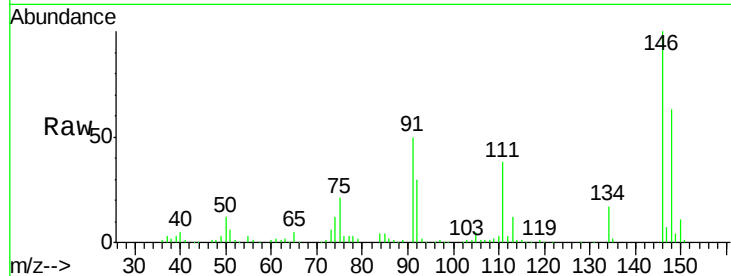




#91
 1,2-Dichlorobenzene
 Concen: 21.133 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

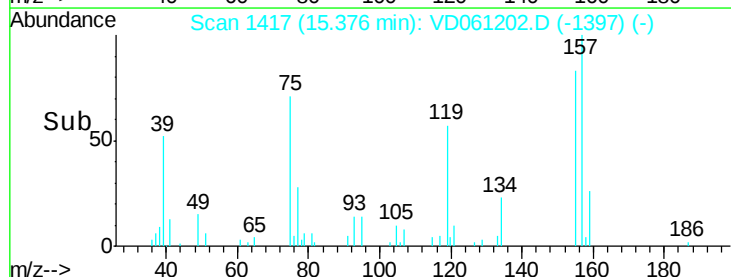
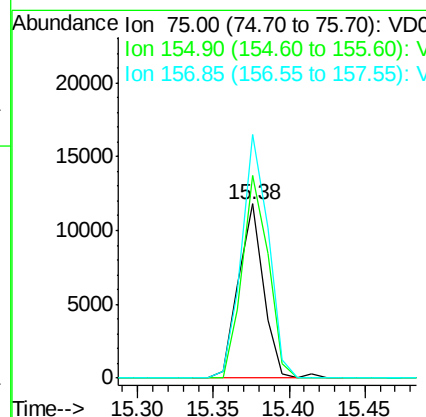
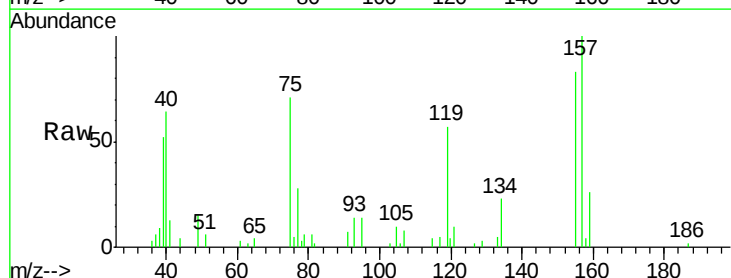
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion:146 Resp: 255686
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.5 64.5
 148 63.3 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.203 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion: 75 Resp: 13626
 Ion Ratio Lower Upper
 75 100
 155 116.2 61.2 183.5
 157 140.0 78.3 234.8

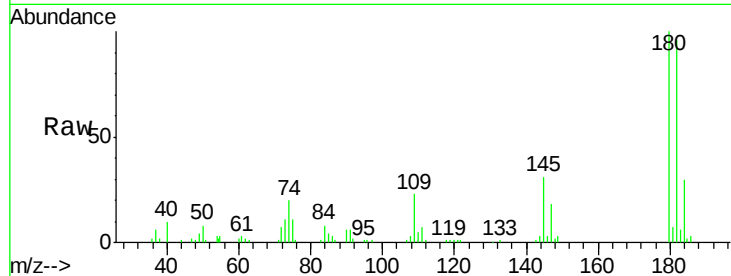




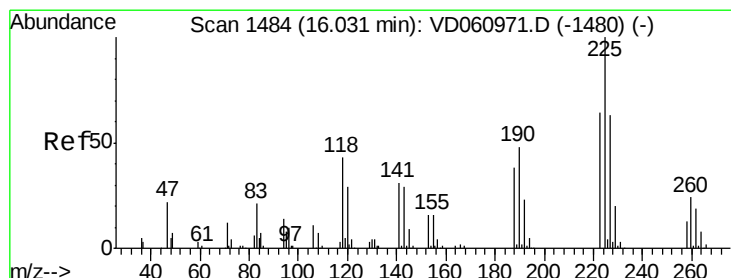
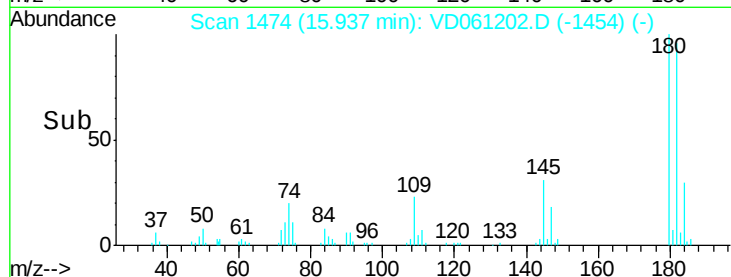
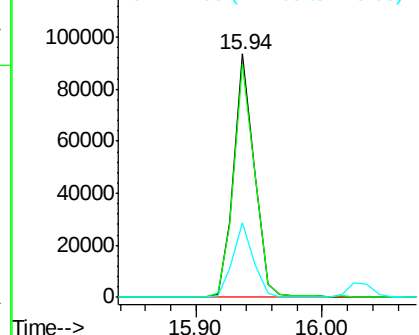
#93
 1,2,4-Trichlorobenzene
 Concen: 18.796 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Tot Ion:180 Resp: 105495
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 142.0
 145 30.5 14.4 43.0

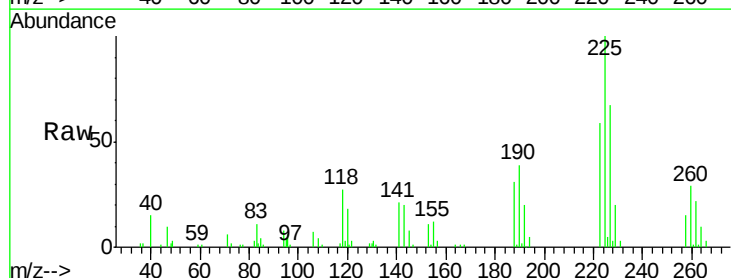


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

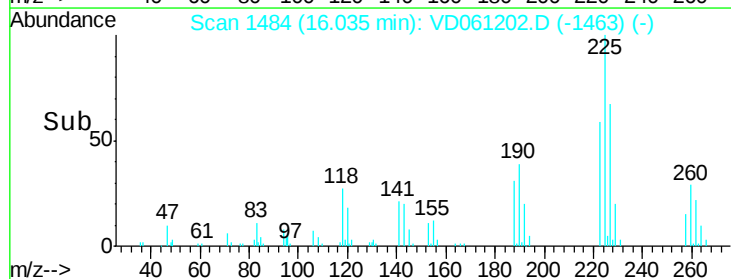
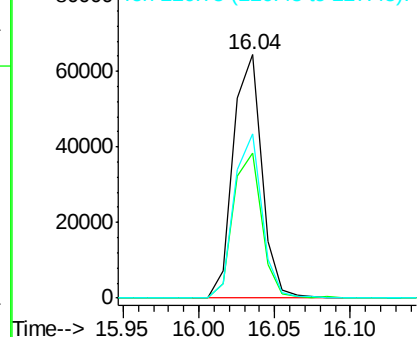


#94
 Hexachlorobutadiene
 Concen: 19.941 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061202.D
 Acq: 20 Mar 2019 12:31

Tgt Ion:225 Resp: 84657
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.8 95.3
 227 67.2 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: 18.764 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS01

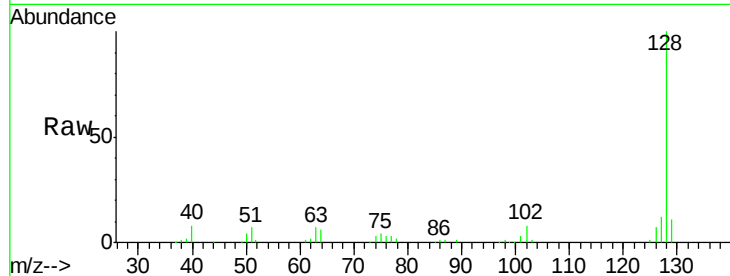
Tot Ion:128 Resp: 160041

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

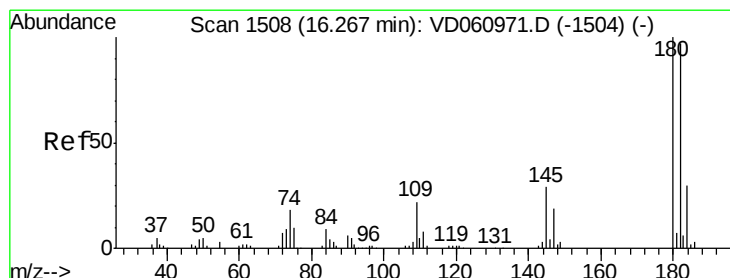
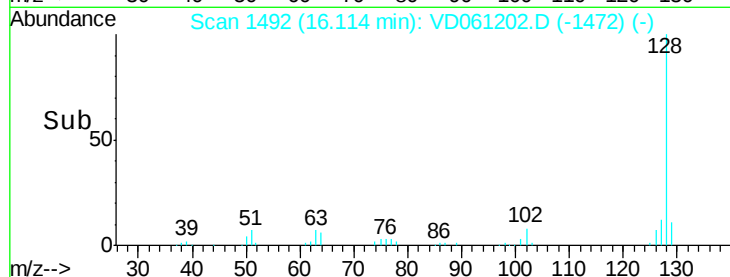
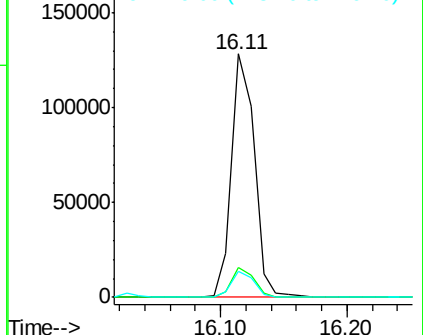
129 10.6 8.5 12.7



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: 15.959 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061202.D

Acq: 20 Mar 2019 12:31

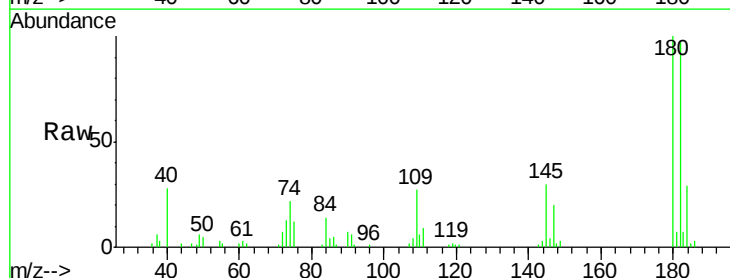
Tgt Ion:180 Resp: 44239

Ion Ratio Lower Upper

180 100

182 97.2 48.6 145.8

145 30.4 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

