

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061104.D
 Acq On : 16 Mar 2019 12:51
 Operator : VA/AP
 Sample : VD0316SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 02:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	715588	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1300236	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1065173	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	443571	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	277279	46.55	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	6.94	113	453717	47.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.41	98	1080485	44.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.18%	
62) 4-Bromofluorobenzene	13.56	95	409484	43.55	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	144888	20.440	ug/l	100
3) Chloromethane	1.76	50	129991	22.014	ug/l	100
4) Vinyl Chloride	1.86	62	116580	21.366	ug/l	98
5) Bromomethane	2.15	94	15369	13.422	ug/l	84
6) Chloroethane	2.27	64	30965	18.960	ug/l #	88
7) Trichlorofluoromethane	2.54	101	169534	21.629	ug/l	99
8) Diethyl Ether	2.88	74	52177	20.179	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	186686	21.304	ug/l	99
10) Methyl Iodide	3.33	142	206980	19.079	ug/l	98
11) Tert butyl alcohol	4.08	59	36156	95.348	ug/l	99
12) 1,1-Dichloroethene	3.14	96	146817	20.439	ug/l	98
13) Acrolein	3.05	56	32307	58.883	ug/l	86
14) Allyl chloride	3.63	41	242949	21.139	ug/l	98
15) Acrylonitrile	4.21	53	132721	99.030	ug/l	96
16) Acetone	3.23	43	175033	102.761	ug/l	94
17) Carbon Disulfide	3.38	76	452663	18.681	ug/l	99
18) Methyl Acetate	3.65	43	65378	19.504	ug/l #	91
19) Methyl tert-butyl Ether	4.24	73	259752	20.634	ug/l	99
20) Methylene Chloride	3.83	84	163886	18.129	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	162092	20.849	ug/l	98
22) Diisopropyl ether	5.14	45	473313	19.839	ug/l	98
23) Vinyl Acetate	5.07	43	1302095	106.316	ug/l	100
24) 1,1-Dichloroethane	5.00	63	262326	20.068	ug/l	99
25) 2-Butanone	6.08	43	199285	103.108	ug/l	99
26) 2,2-Dichloropropane	6.03	77	209131	20.494	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	174113	21.108	ug/l	98
28) Bromochloromethane	6.45	49	104202	18.830	ug/l	100
29) Tetrahydrofuran	6.47	42	104693	99.756	ug/l	97
30) Chloroform	6.67	83	275753	20.354	ug/l	99
31) Cyclohexane	6.97	56	226543	21.493	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	244823	20.902	ug/l	95
36) 1,1-Dichloropropene	7.16	75	207158	18.483	ug/l	99
37) Ethyl Acetate	6.19	43	98583	18.744	ug/l	97
38) Carbon Tetrachloride	7.13	117	221028	17.903	ug/l	99

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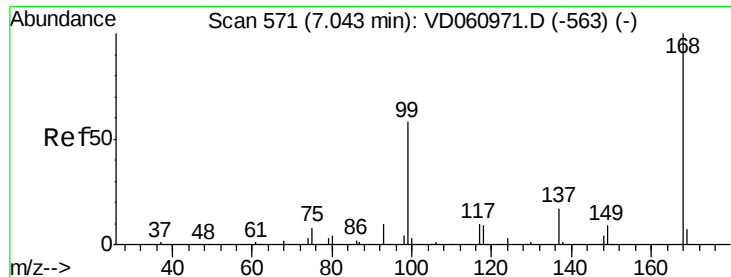
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	235150	20.234	ug/l	99
40) Benzene	7.47	78	526379	18.795	ug/l	99
41) Methacrylonitrile	6.46	41	112176	18.543	ug/l	99
42) 1,2-Dichloroethane	7.59	62	155309	19.110	ug/l	96
43) Isopropyl Acetate	9.24	43	136840	18.785	ug/l #	99
44) Trichloroethene	8.55	130	193406	20.018	ug/l	100
45) 1,2-Dichloropropane	8.95	63	145325	19.751	ug/l	99
46) Dibromomethane	9.07	93	90585	19.409	ug/l	96
47) Bromodichloromethane	9.38	83	202185	19.197	ug/l	99
48) Methyl methacrylate	9.13	41	75844	18.492	ug/l	97
49) 1,4-Dioxane	9.08	88	15343	369.951	ug/l #	94
51) 4-Methyl-2-Pentanone	10.31	43	415805	93.174	ug/l	98
52) Toluene	10.52	92	341522	19.611	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	171073	17.764	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	230460	19.917	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	110706	19.089	ug/l	98
56) Ethyl methacrylate	11.05	69	113358	18.674	ug/l	97
57) 1,3-Dichloropropane	11.42	76	164130	18.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	284210	88.450	ug/l	98
59) 2-Hexanone	11.54	43	327115	100.206	ug/l	98
60) Dibromochloromethane	11.69	129	169639	19.875	ug/l	99
61) 1,2-Dibromoethane	11.81	107	130426	19.332	ug/l	97
64) Tetrachloroethene	11.27	164	144748	20.131	ug/l	95
65) Chlorobenzene	12.40	112	446505	21.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	155399	20.877	ug/l	98
67) Ethyl Benzene	12.53	91	652590	20.992	ug/l	99
68) m/p-Xylenes	12.68	106	500542	41.022	ug/l	99
69) o-Xylene	13.05	106	243856	20.332	ug/l	94
70) Styrene	13.08	104	389002	19.862	ug/l	98
71) Bromoform	13.24	173	94058	19.588	ug/l	96
73) Isopropylbenzene	13.41	105	669328	20.938	ug/l	98
74) N-amyl acetate	13.27	43	180500	20.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	121103	19.417	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	124754	19.549	ug/l	97
77) Bromobenzene	13.67	156	175130	21.461	ug/l	87
78) n-propylbenzene	13.78	91	799509	21.364	ug/l	97
79) 2-Chlorotoluene	13.85	91	434670	21.097	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	545080	22.461	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	36783	19.551	ug/l	95
82) 4-Chlorotoluene	13.95	91	512975	21.061	ug/l	92
83) tert-Butylbenzene	14.19	119	616688	23.220	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	545080	22.461	ug/l	97
85) sec-Butylbenzene	14.37	105	621889	19.180	ug/l	94
86) p-Isopropyltoluene	14.50	119	607856	22.936	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	316873	21.746	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	288796	20.169	ug/l	95
89) n-Butylbenzene	14.80	91	516747	20.304	ug/l	97
90) Hexachloroethane	15.01	117	156970	20.975	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	248439	20.452	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14813	19.709	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	128994	22.891	ug/l	98
94) Hexachlorobutadiene	16.04	225	93052	21.831	ug/l	98
95) Naphthalene	16.13	128	194204	22.678	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	62606	22.494	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061104.D

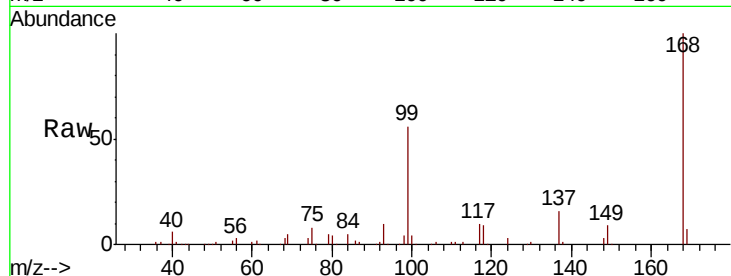
Acq: 16 Mar 2019 12:51

Tgt Ion: 168 Resp: 715588

Ion Ratio Lower Upper

168 100

99 56.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

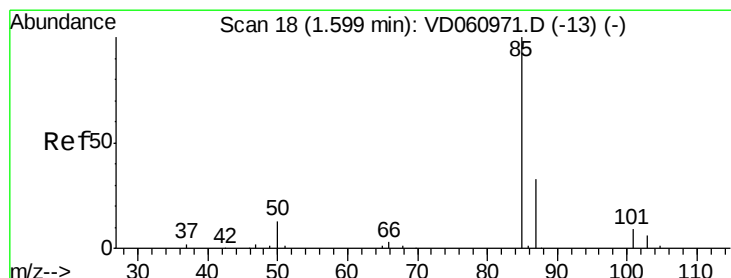
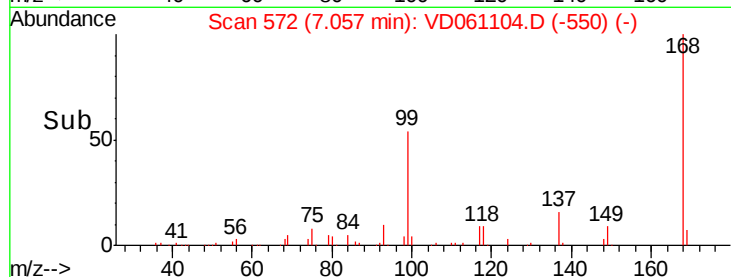
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.440 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061104.D

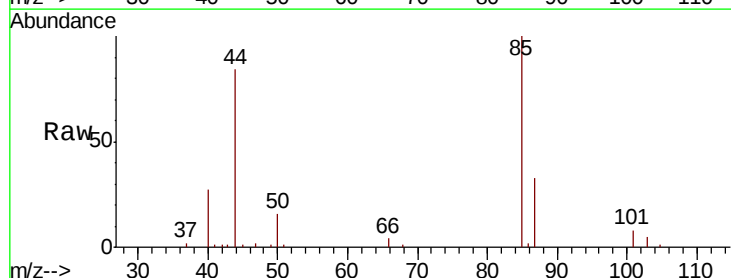
Acq: 16 Mar 2019 12:51

Tgt Ion: 85 Resp: 144888

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

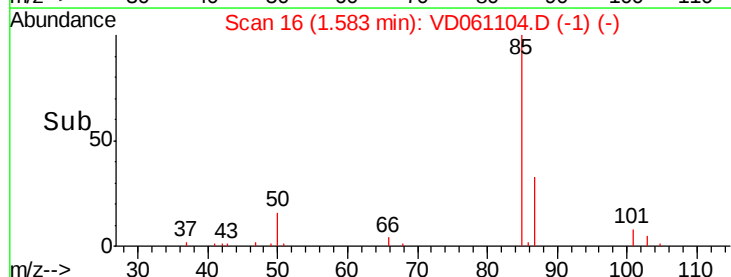
40000

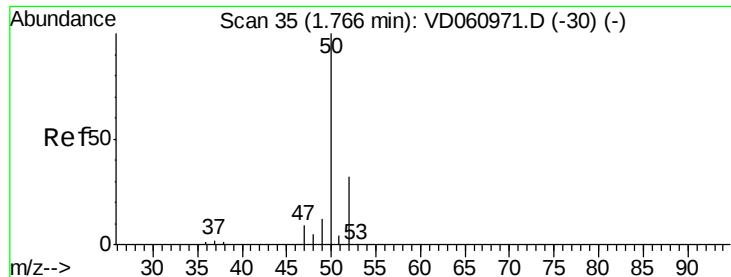
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.014 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061104.D

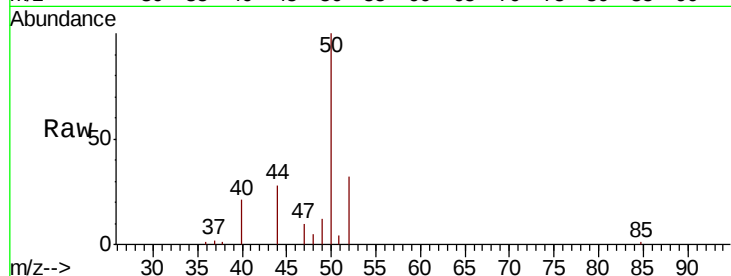
Acq: 16 Mar 2019 12:51

Tgt Ion: 50 Resp: 129991

Ion Ratio Lower Upper

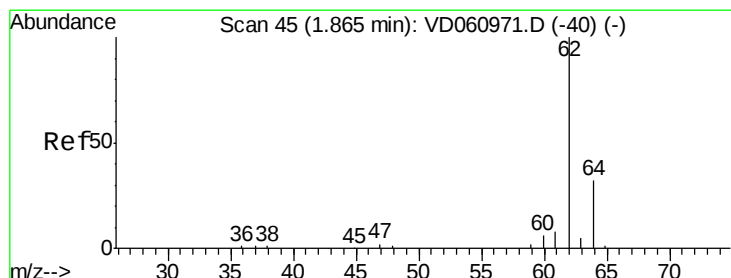
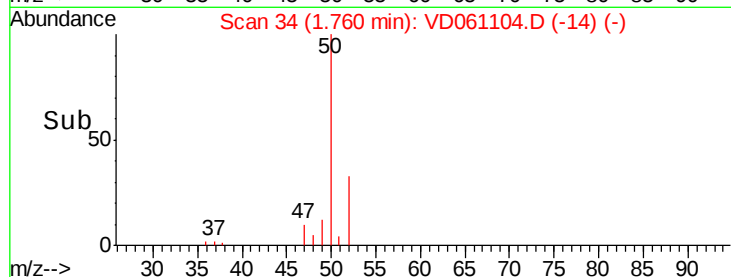
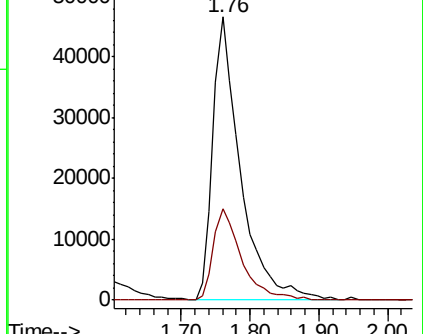
50 100

52 32.3 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: 21.366 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061104.D

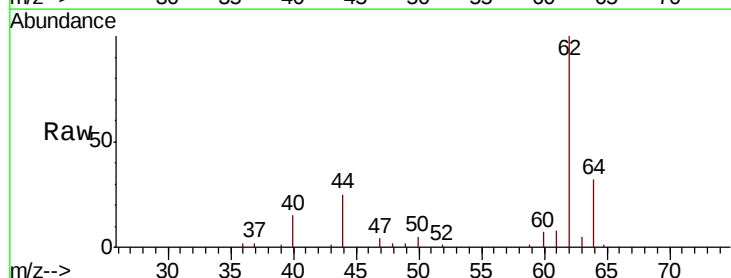
Acq: 16 Mar 2019 12:51

Tgt Ion: 62 Resp: 116580

Ion Ratio Lower Upper

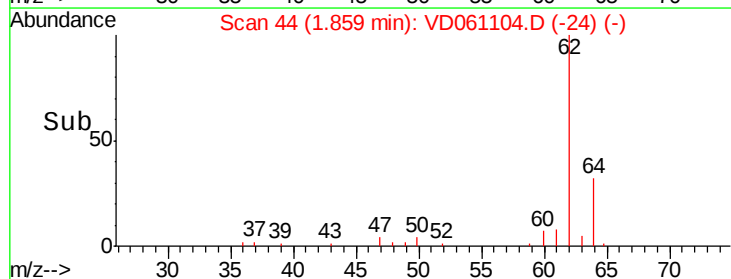
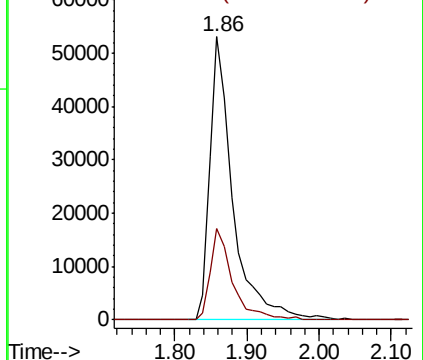
62 100

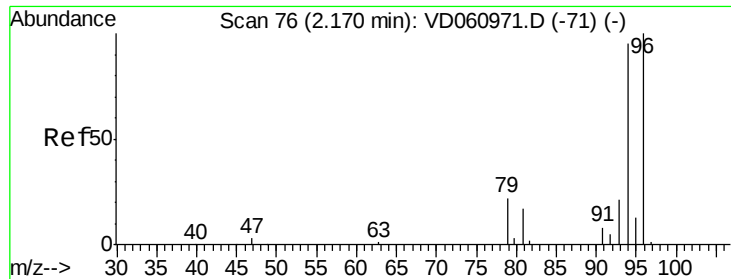
64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.422 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

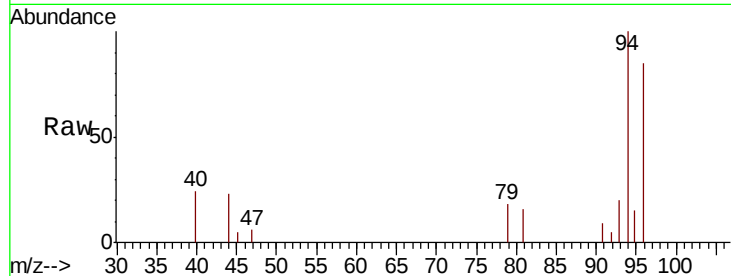
Tgt Ion: 94 Resp: 15369

Ion Ratio Lower Upper

94 100

96 85.5 84.0 126.0

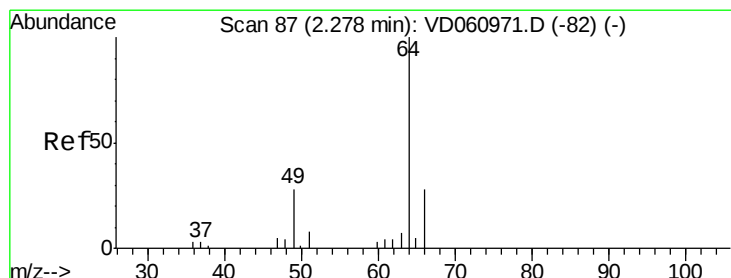
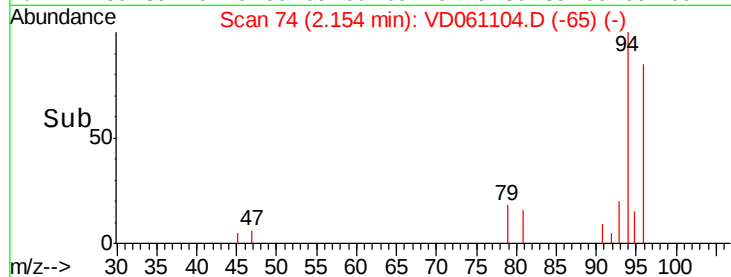
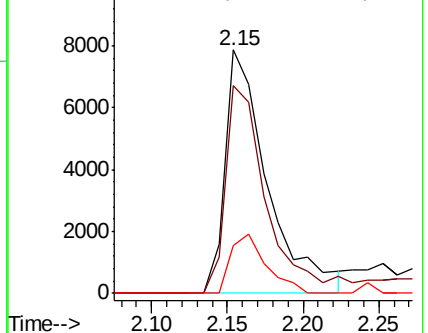
93 19.6 17.3 25.9



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: 18.960 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061104.D

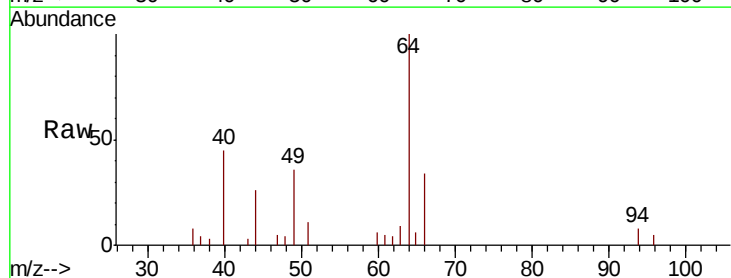
Acq: 16 Mar 2019 12:51

Tgt Ion: 64 Resp: 30965

Ion Ratio Lower Upper

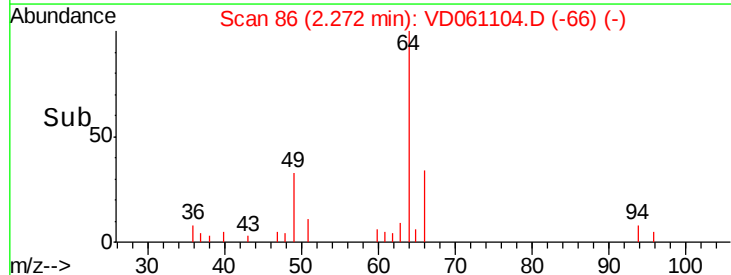
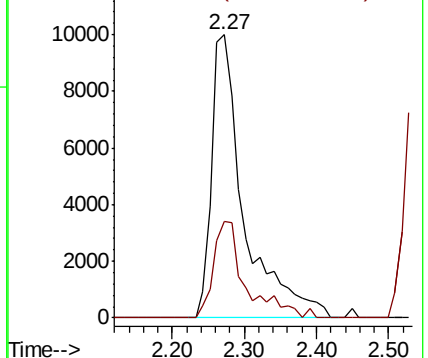
64 100

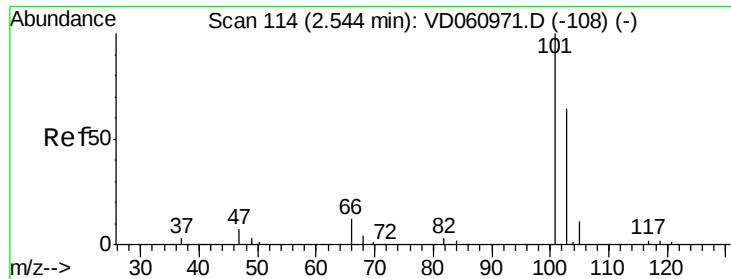
66 34.2 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

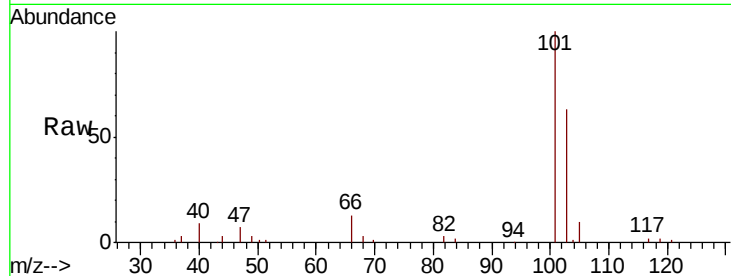




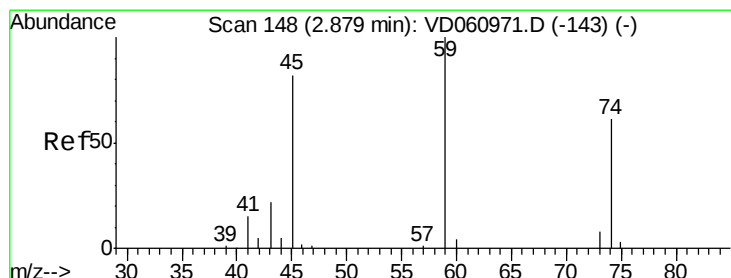
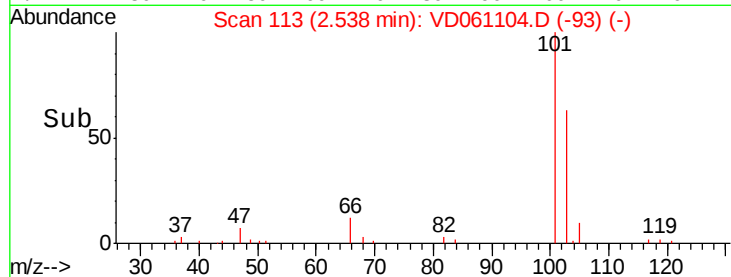
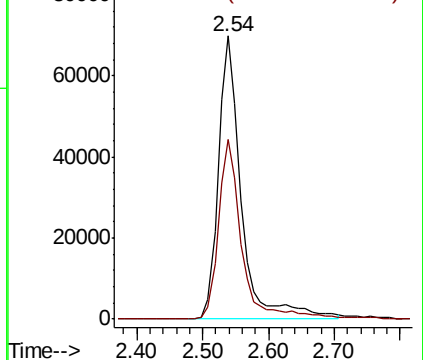
#7

Trichlorofluoromethane
Concen: 21.629 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 101 Resp: 169534
Ion Ratio Lower Upper
101 100
103 63.4 51.2 76.8



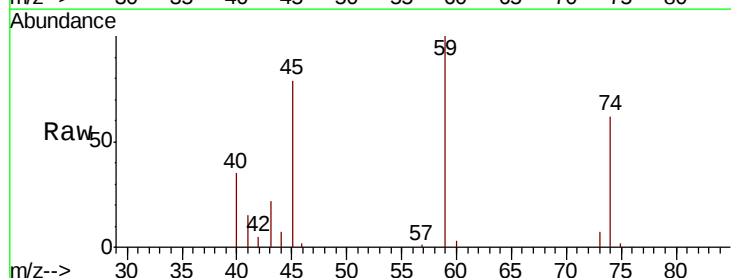
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



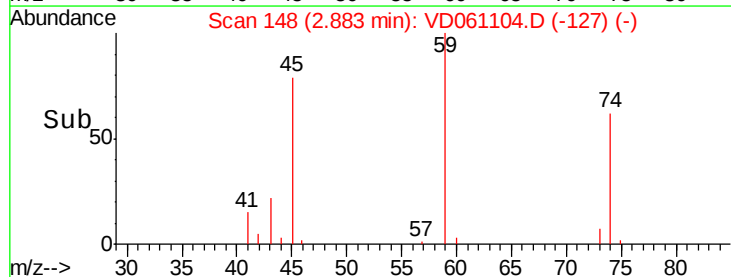
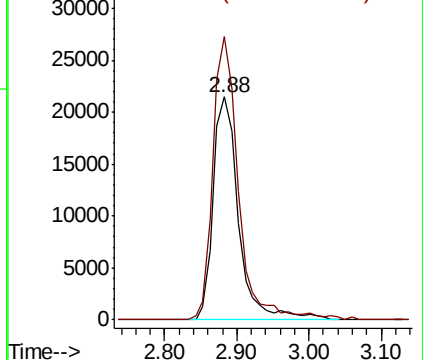
#8

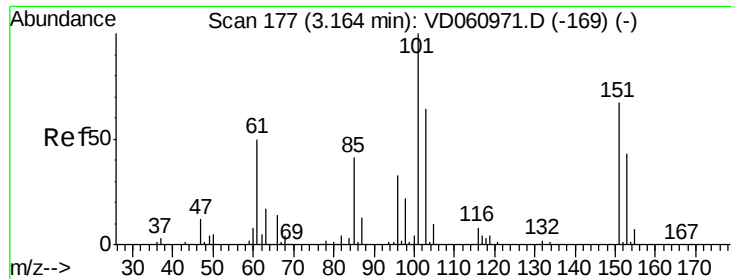
Diethyl Ether
Concen: 20.179 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 74 Resp: 52177
Ion Ratio Lower Upper
74 100
45 127.0 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.304 ug/l

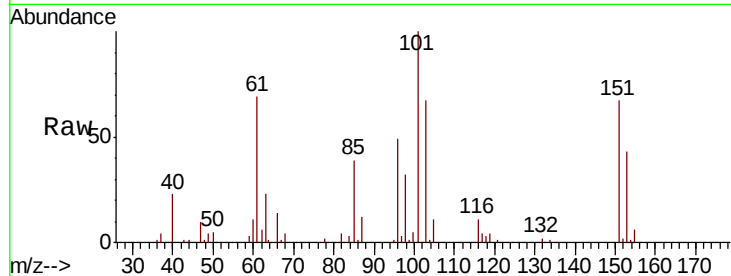
RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

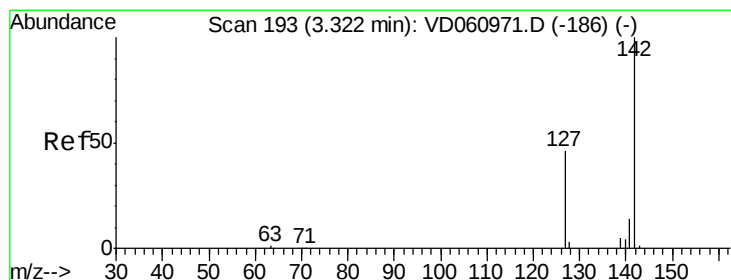
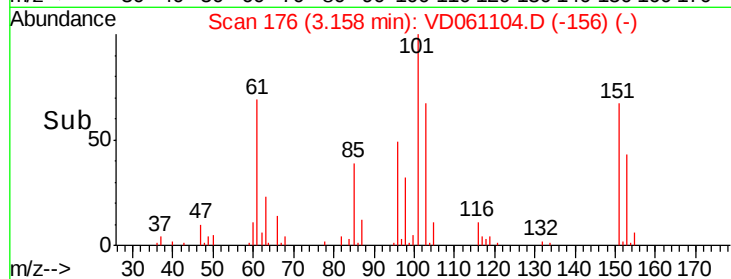
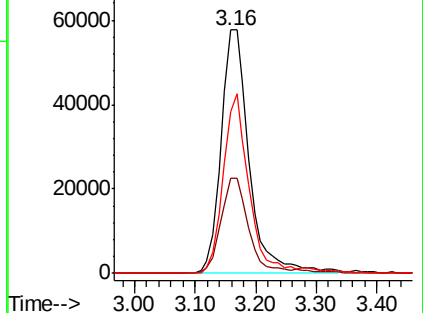
Tgt Ion:	101	Resp:	186686
Ion	Ratio	Lower	Upper
101	100		
85	38.9	32.5	48.7
151	66.6	53.3	79.9



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: 19.079 ug/l

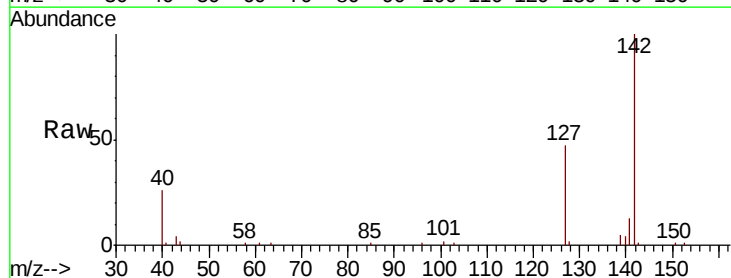
RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

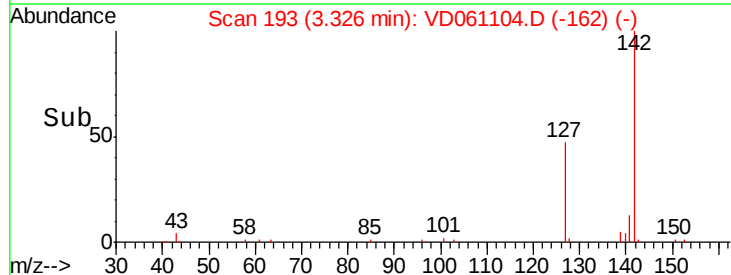
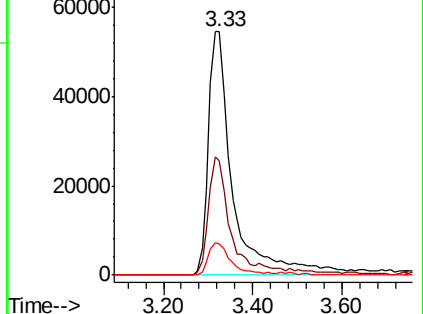
Tgt Ion:	142	Resp:	206980
Ion	Ratio	Lower	Upper
142	100		
127	47.0	36.8	55.2
141	13.0	11.2	16.8

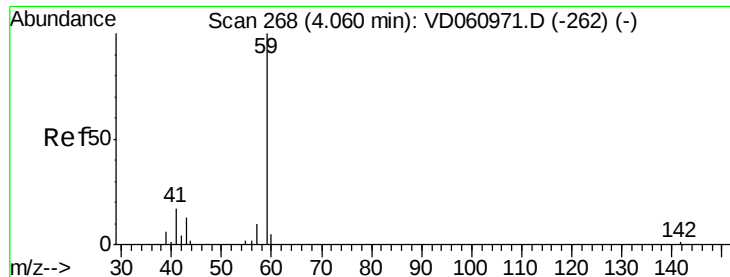


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

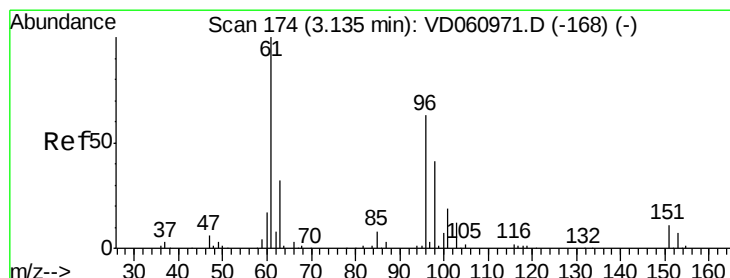
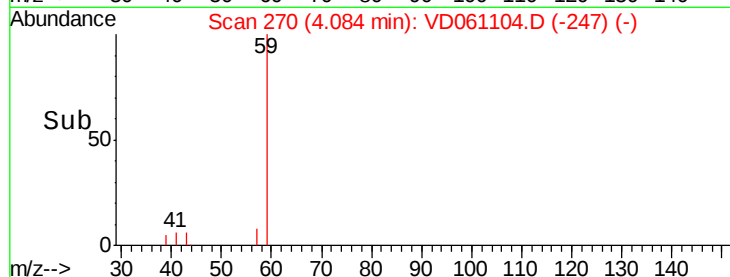
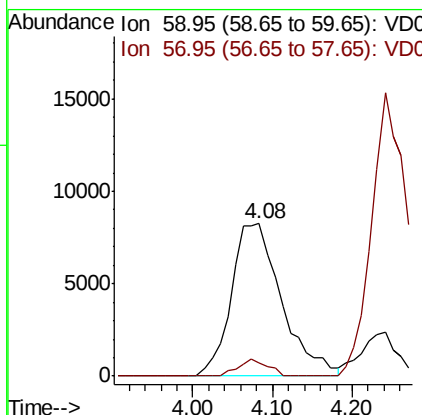
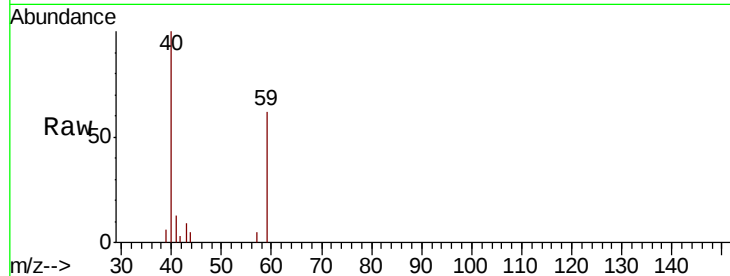
Ion 140.85 (140.55 to 141.55): V





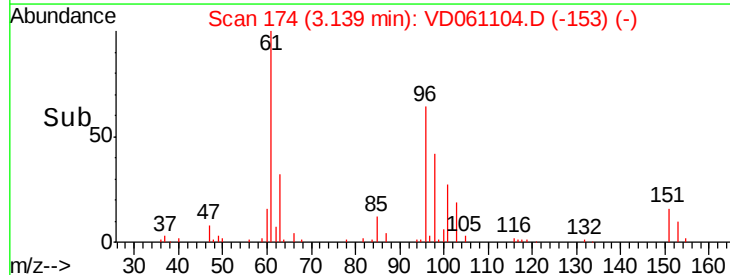
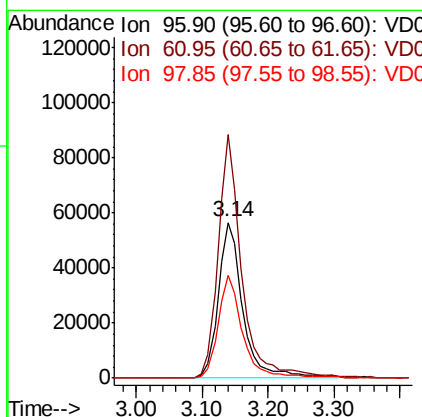
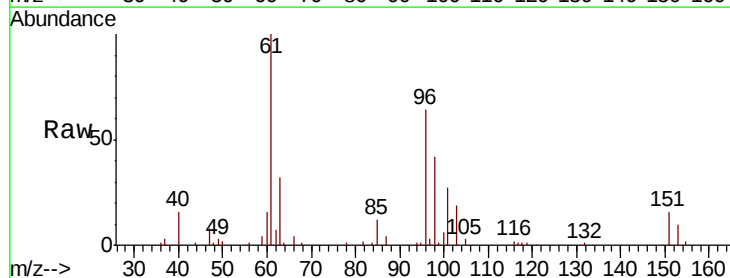
#11
Tert butyl alcohol
Concen: 95.348 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

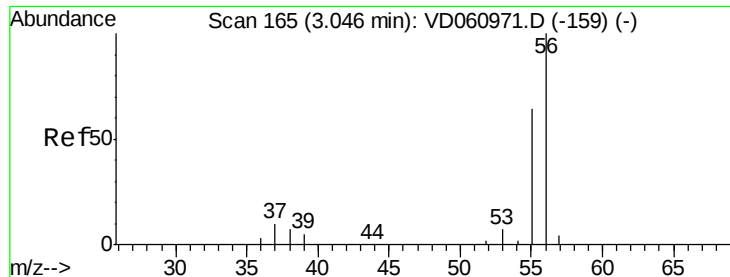
Tgt Ion: 59 Resp: 36156
Ion Ratio Lower Upper
59 100
57 8.4 7.1 10.7



#12
1,1-Dichloroethene
Concen: 20.439 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 96 Resp: 146817
Ion Ratio Lower Upper
96 100
61 156.6 127.1 190.7
98 66.4 51.5 77.3





#13

Acrolein

Concen: 58.883 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061104.D

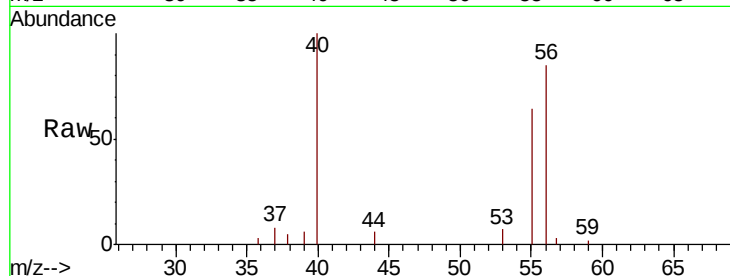
Acq: 16 Mar 2019 12:51

Tgt Ion: 56 Resp: 32307

Ion Ratio Lower Upper

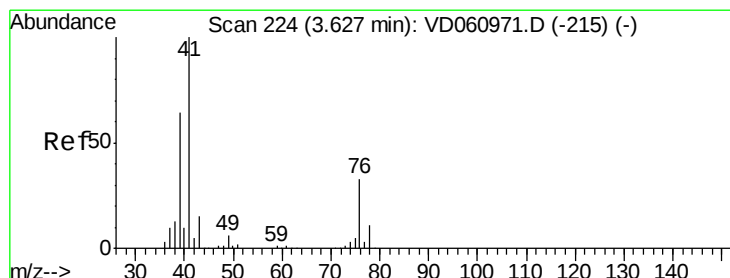
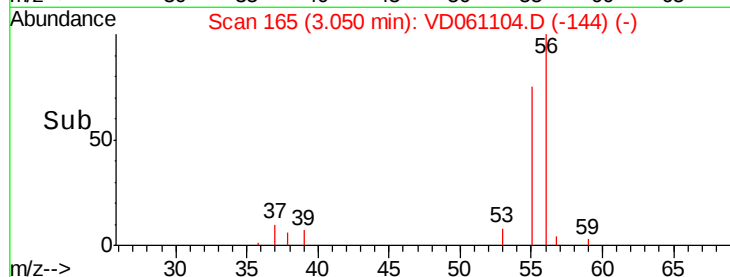
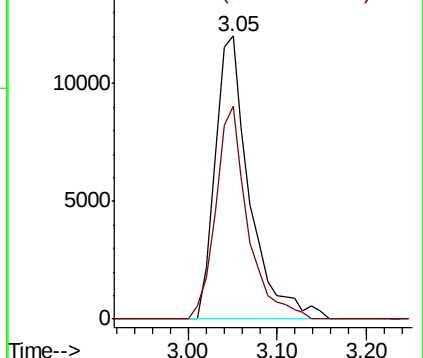
56 100

55 75.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.139 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

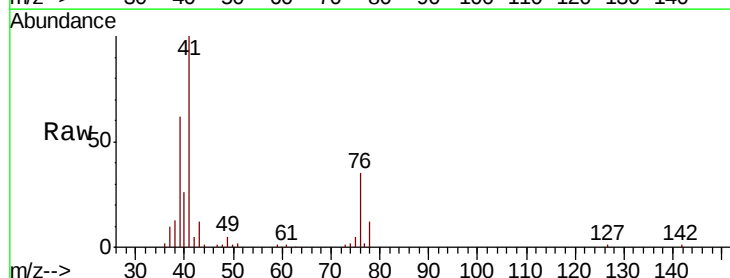
Tgt Ion: 41 Resp: 242949

Ion Ratio Lower Upper

41 100

39 62.2 51.1 76.7

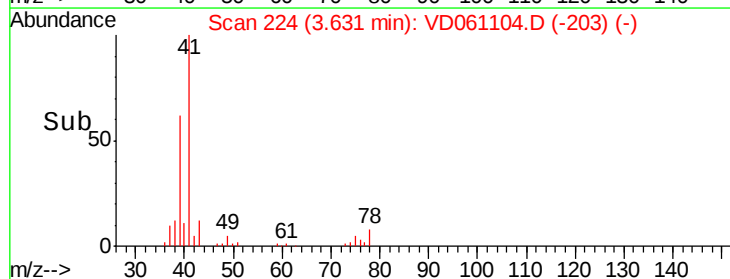
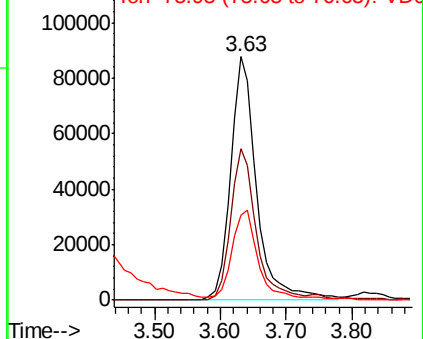
76 34.7 29.1 43.7

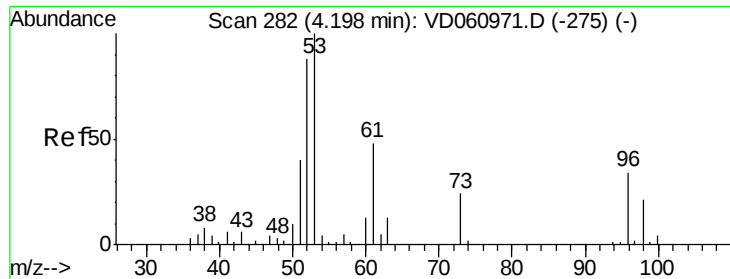


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.030 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

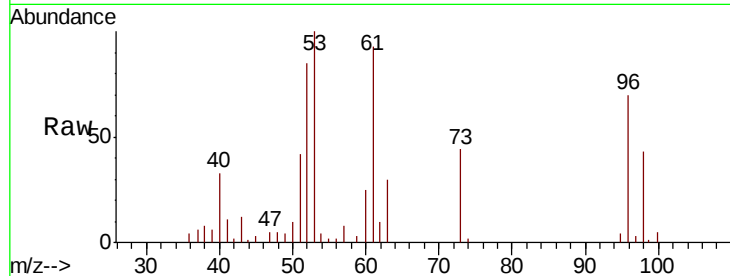
Tgt Ion: 53 Resp: 132721

Ion Ratio Lower Upper

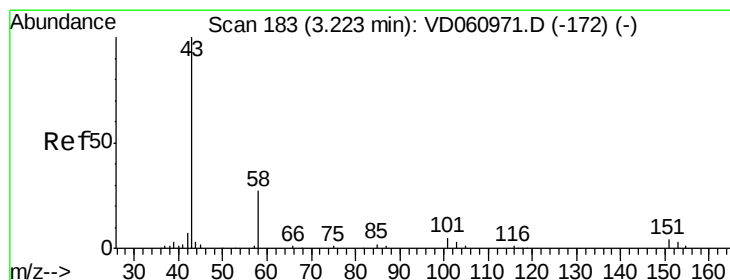
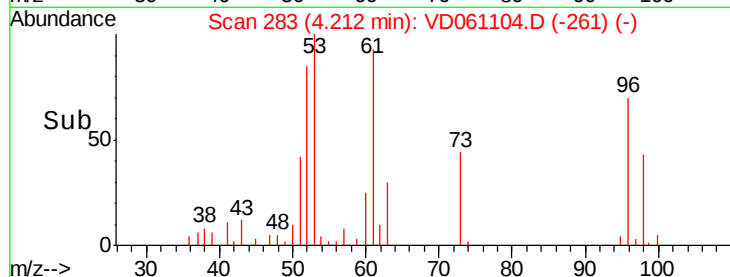
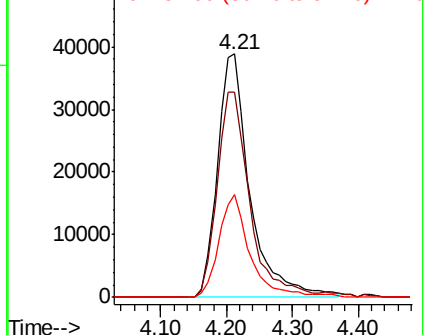
53 100

52 84.5 70.2 105.4

51 42.3 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: 102.761 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061104.D

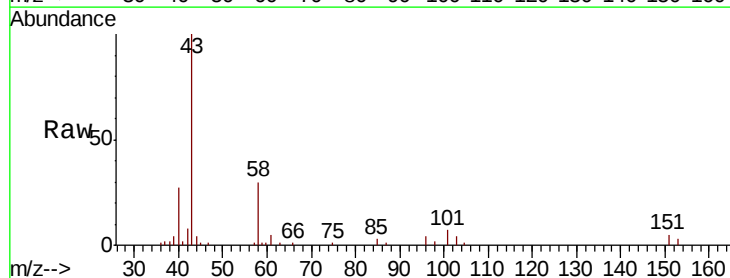
Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 175033

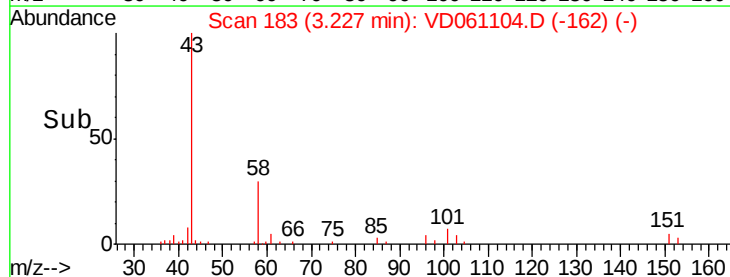
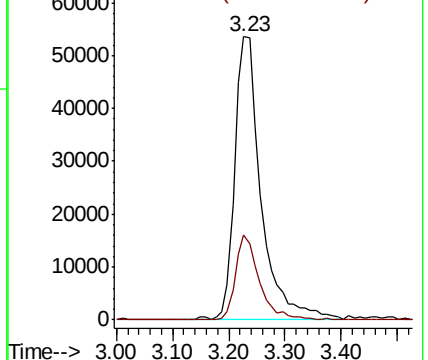
Ion Ratio Lower Upper

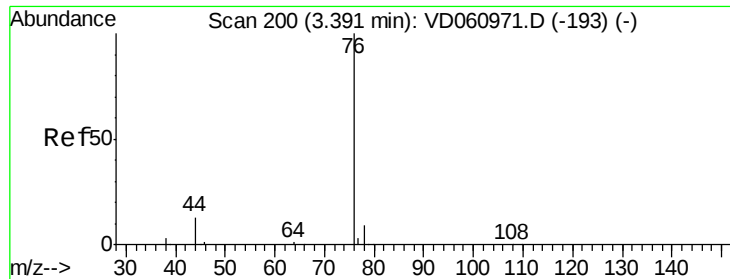
43 100

58 30.0 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: 18.681 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061104.D

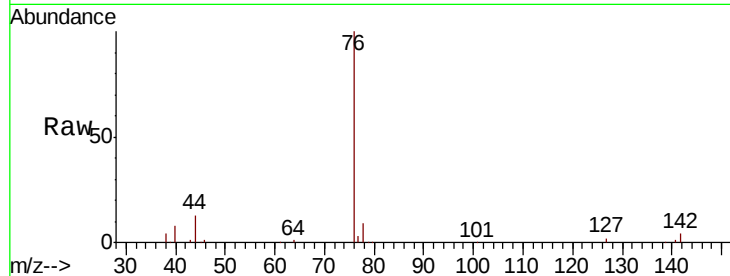
Acq: 16 Mar 2019 12:51

Tgt Ion: 76 Resp: 452663

Ion Ratio Lower Upper

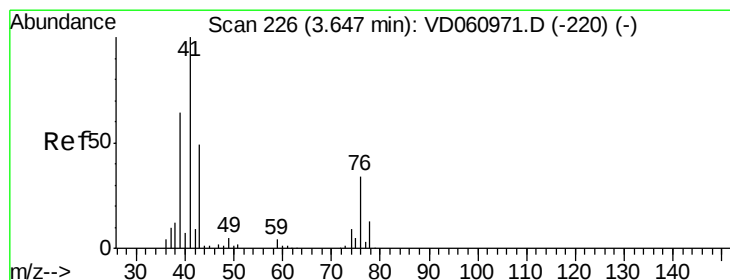
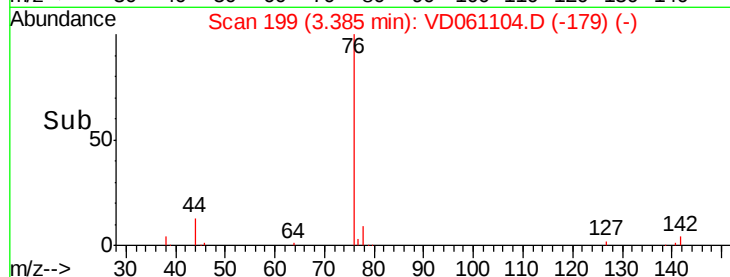
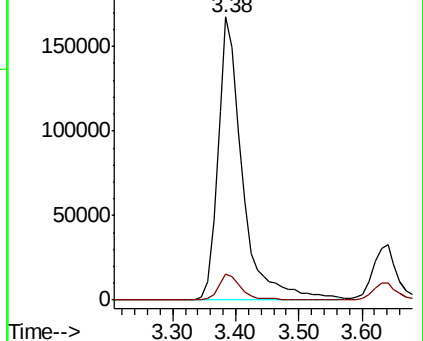
76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.504 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061104.D

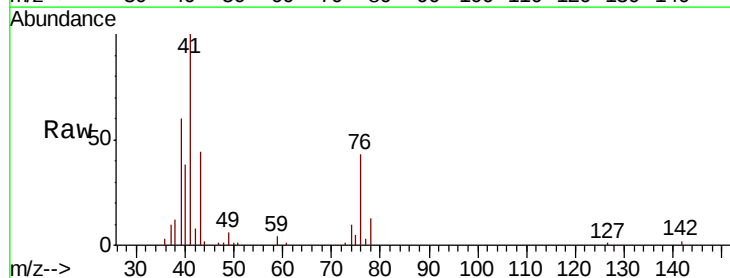
Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 65378

Ion Ratio Lower Upper

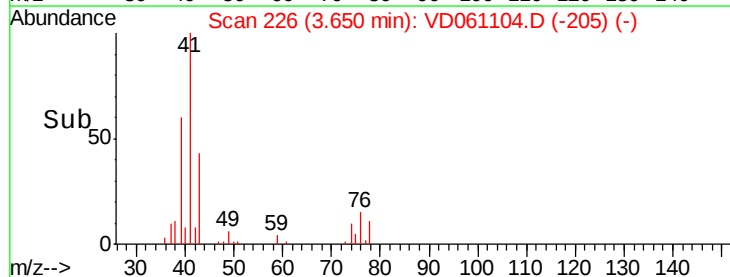
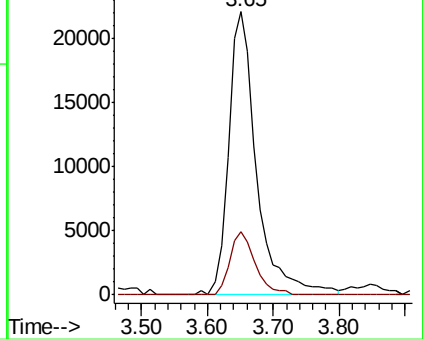
43 100

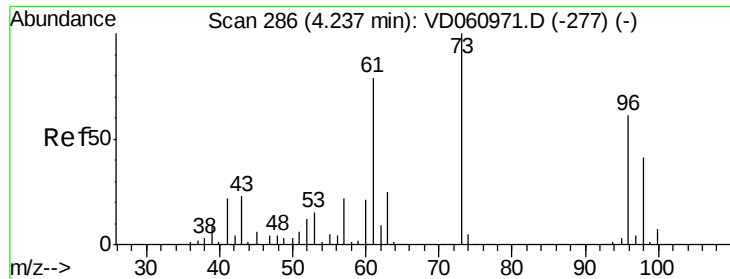
74 22.1 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

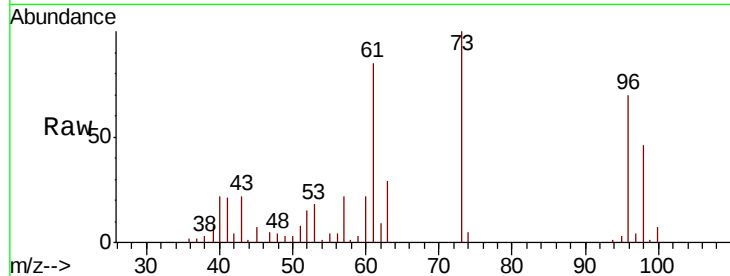




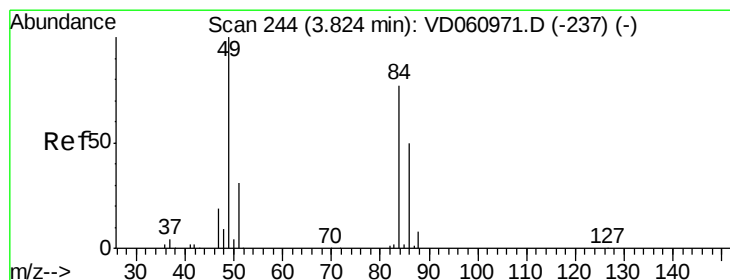
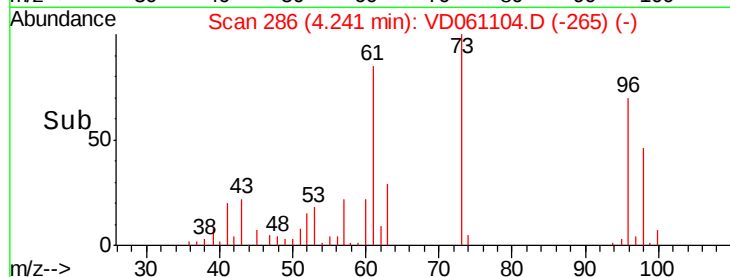
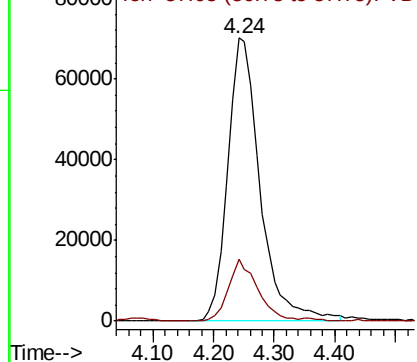
#19

Methyl tert-butyl Ether
 Concen: 20.634 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 73 Resp: 259752
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.7 26.5



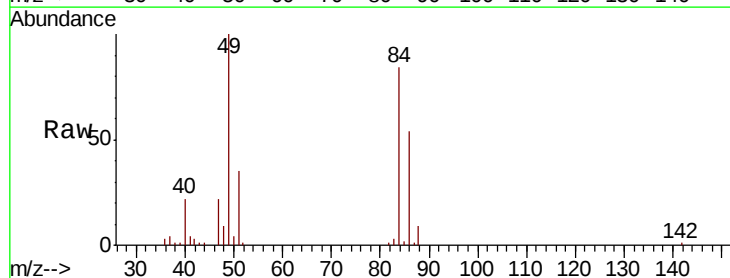
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



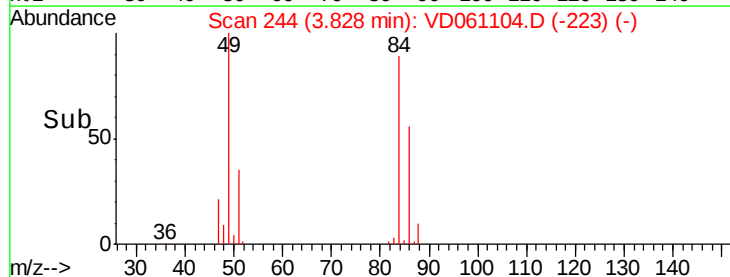
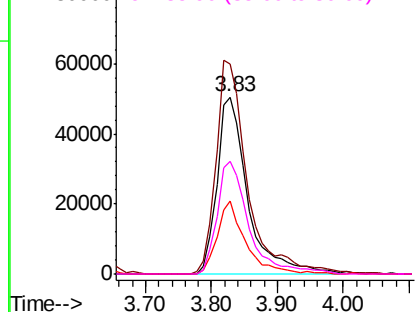
#20

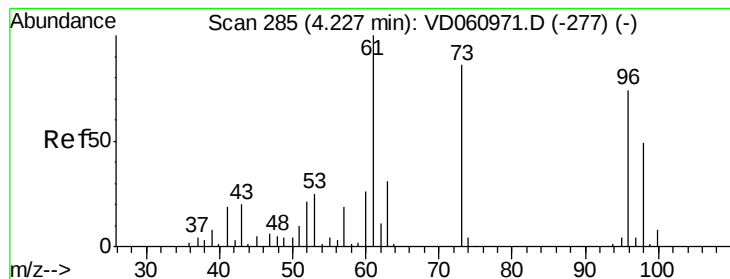
Methylene Chloride
 Concen: 18.129 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 84 Resp: 163886
 Ion Ratio Lower Upper
 84 100
 49 118.8 104.2 156.2
 51 41.5 32.3 48.5
 86 63.7 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.849 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

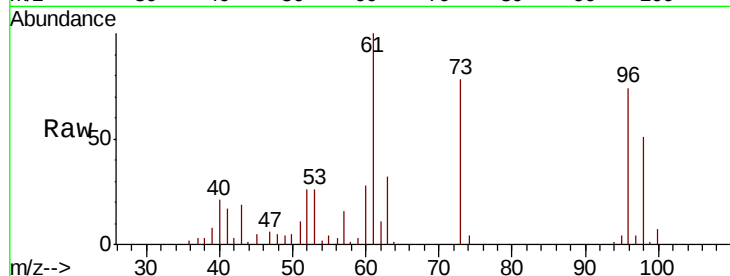
Tgt Ion: 96 Resp: 162092

Ion Ratio Lower Upper

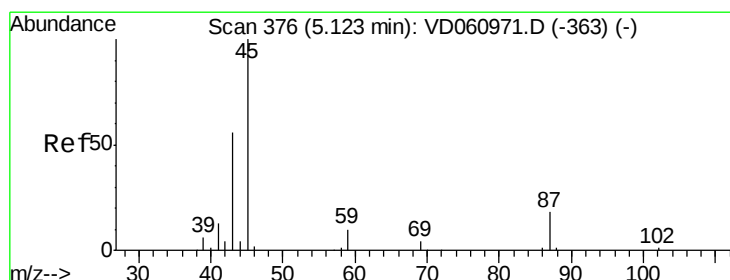
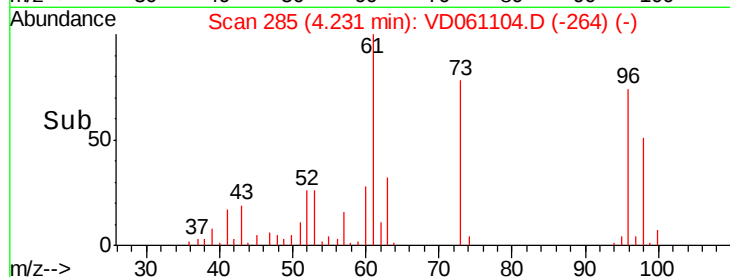
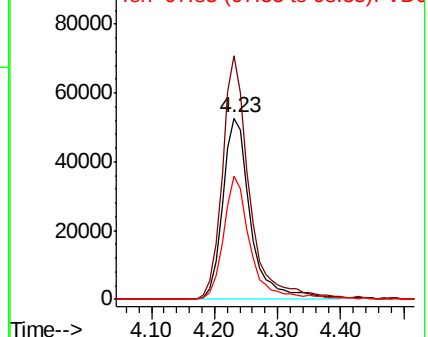
96 100

61 134.4 108.4 162.6

98 68.4 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: 19.839 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

Tgt Ion: 45 Resp: 473313

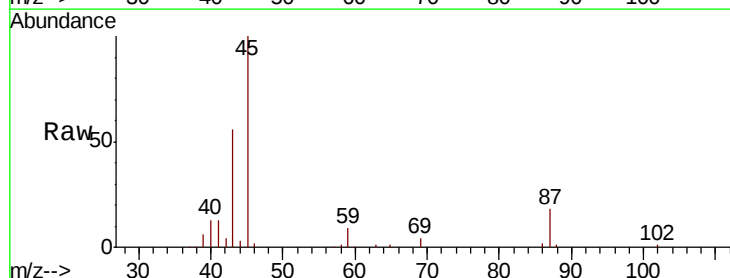
Ion Ratio Lower Upper

45 100

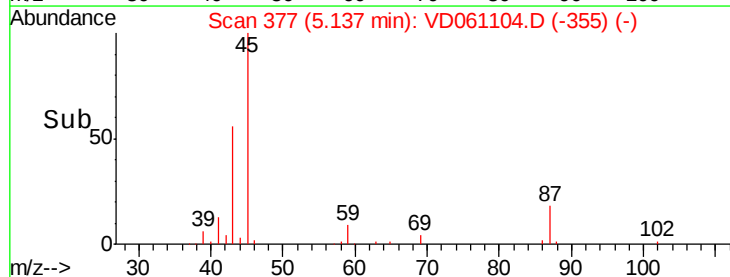
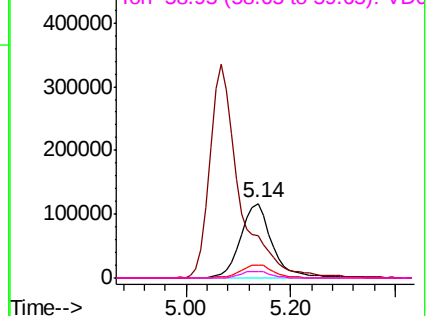
43 56.1 45.8 68.8

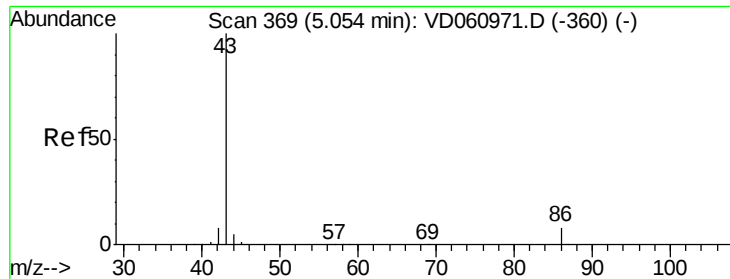
87 17.7 14.9 22.3

59 9.0 8.0 12.0



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





#23

Vinyl Acetate

Concen: 106.316 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061104.D

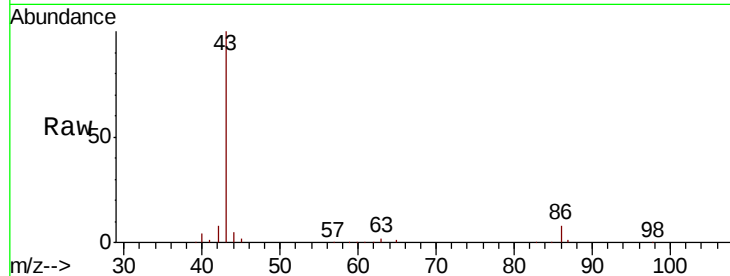
Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 1302095

Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VD061104.D (-370) (-)

Ion 86.00 (85.70 to 86.70): VD061104.D (-370) (-)

5.07

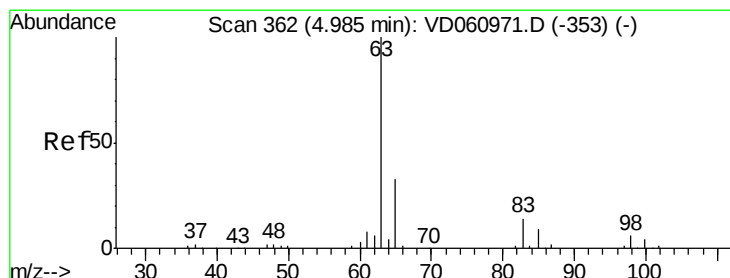
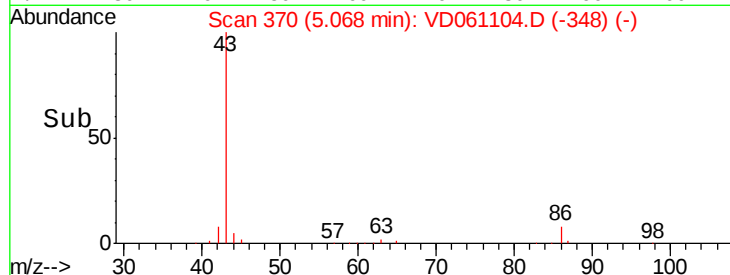
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.068 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

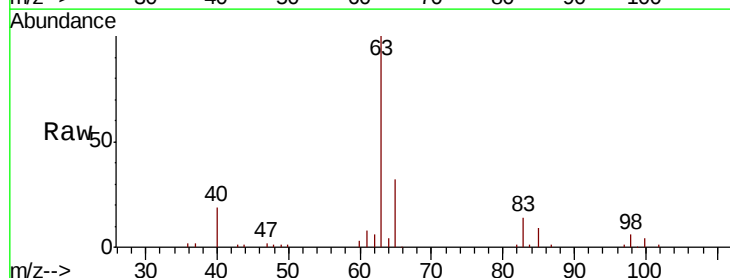
Tgt Ion: 63 Resp: 262326

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.9 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD061104.D (-363) (-)

Ion 97.95 (97.65 to 98.65): VD061104.D (-363) (-)

Ion 99.95 (99.65 to 100.65): VD061104.D (-363) (-)

5.00

100000

80000

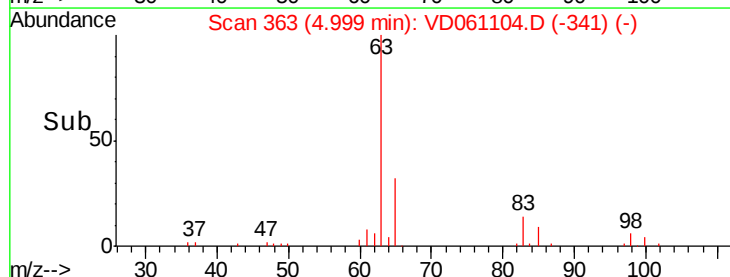
60000

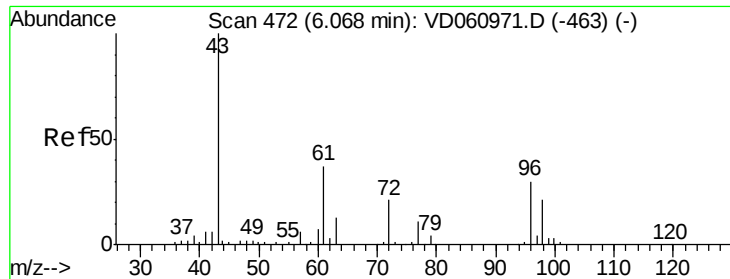
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.108 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061104.D

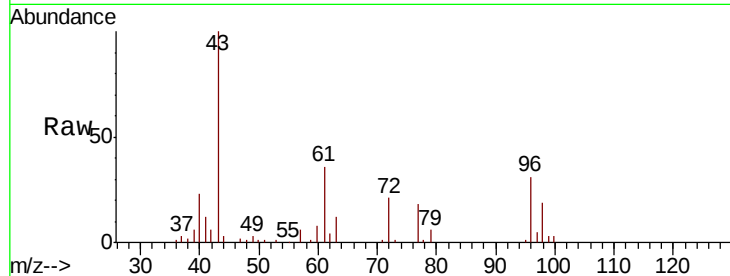
Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 199285

Ion Ratio Lower Upper

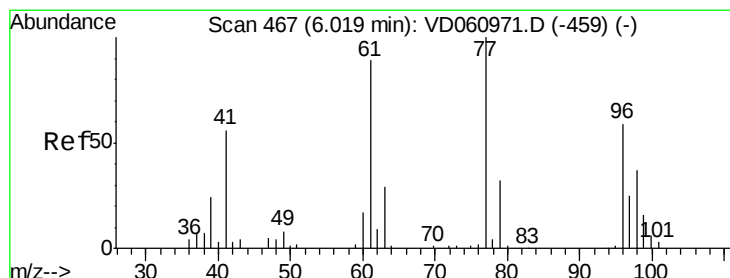
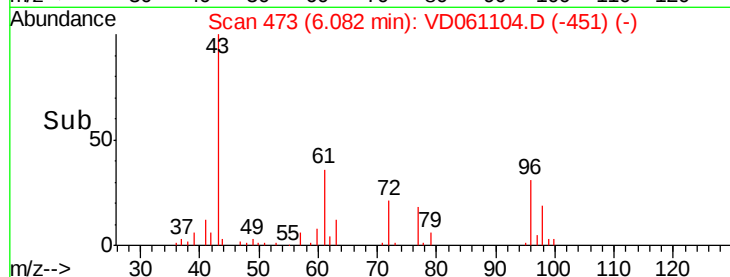
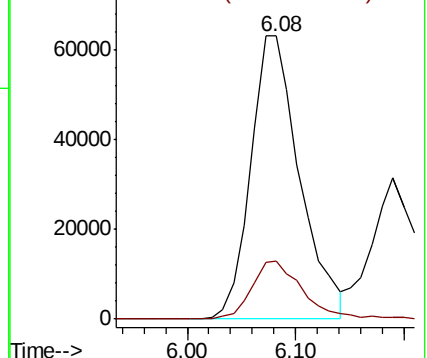
43 100

72 20.7 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: 20.494 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061104.D

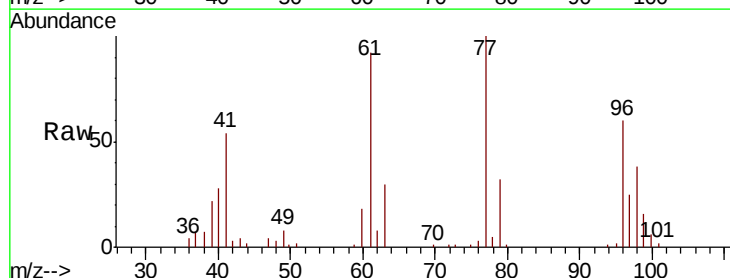
Acq: 16 Mar 2019 12:51

Tgt Ion: 77 Resp: 209131

Ion Ratio Lower Upper

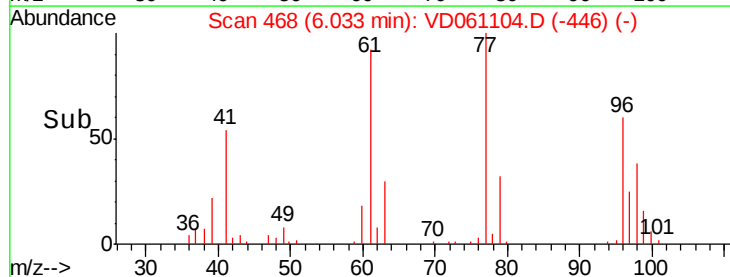
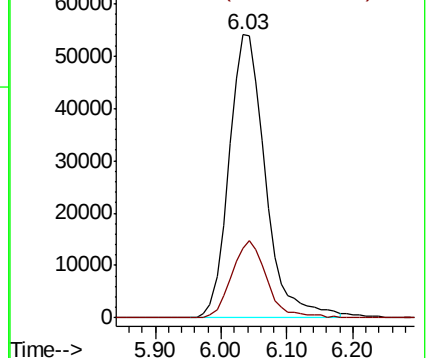
77 100

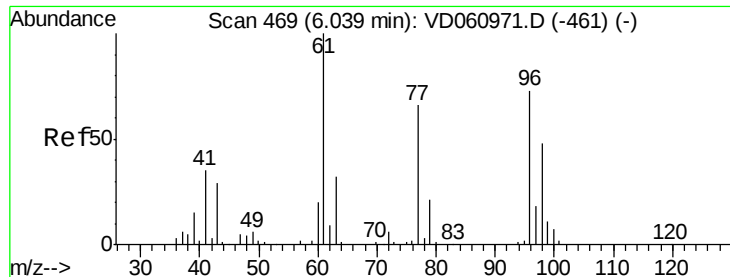
97 24.6 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

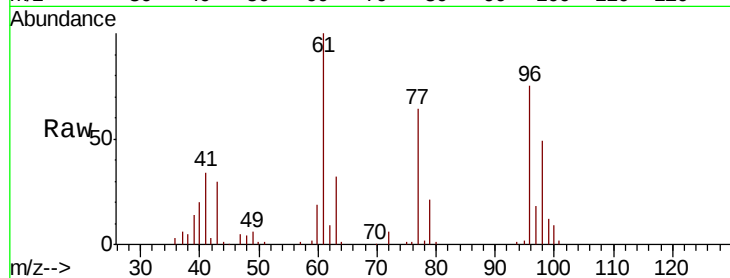




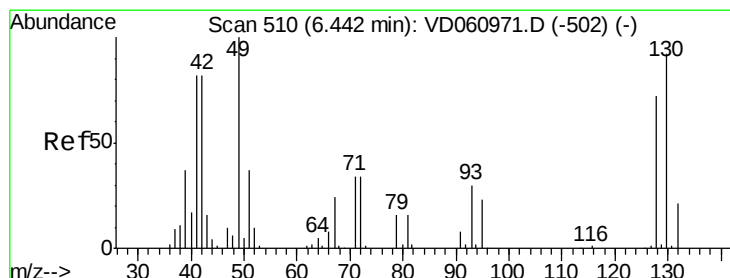
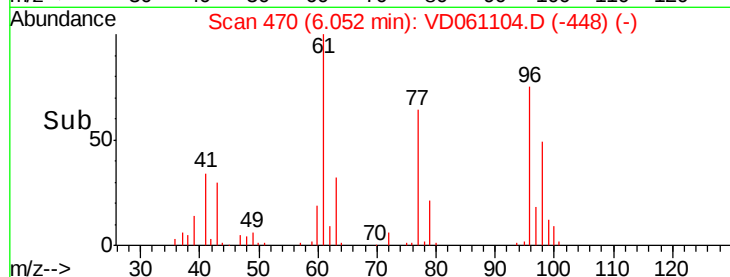
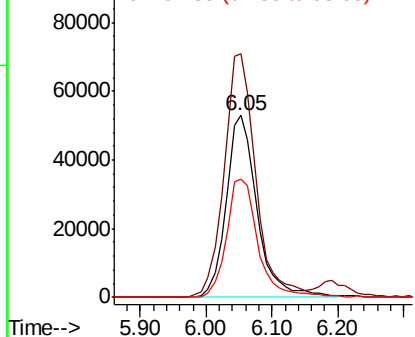
#27

cis-1,2-Dichloroethene
 Concen: 21.108 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 96 Resp: 174113
 Ion Ratio Lower Upper
 96 100
 61 134.1 0.0 273.6
 98 65.3 0.0 132.6



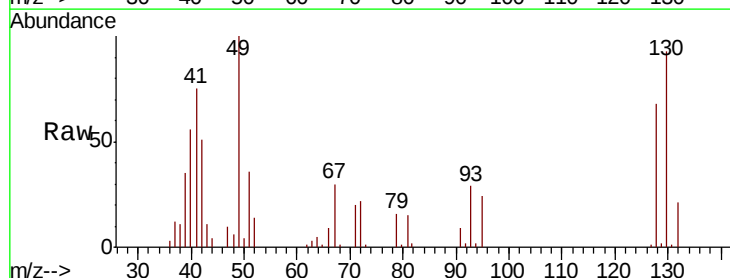
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



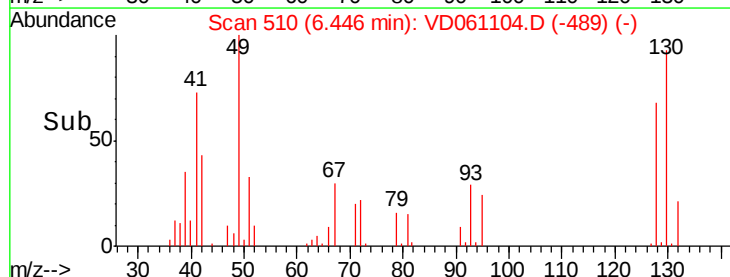
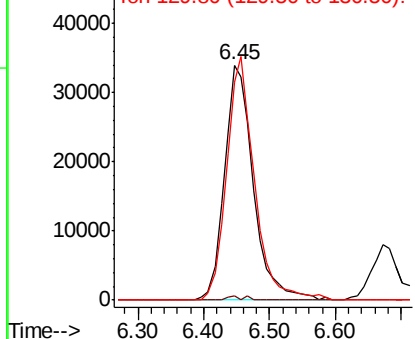
#28

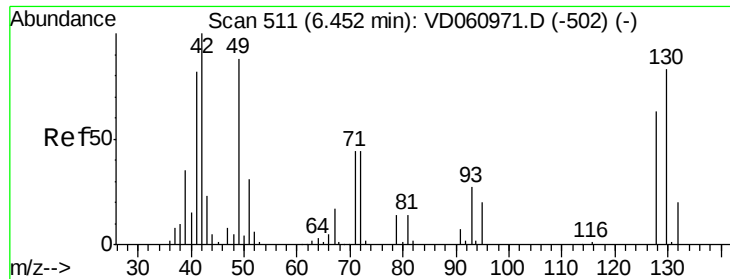
Bromochloromethane
 Concen: 18.830 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 49 Resp: 104202
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 92.7 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: 99.756 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

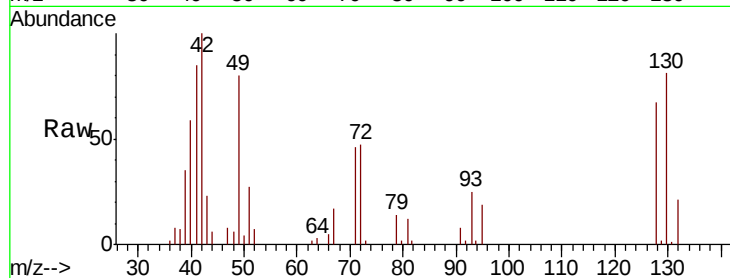
Tgt Ion: 42 Resp: 104693

Ion Ratio Lower Upper

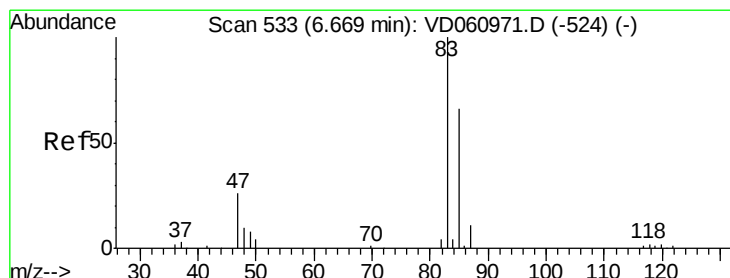
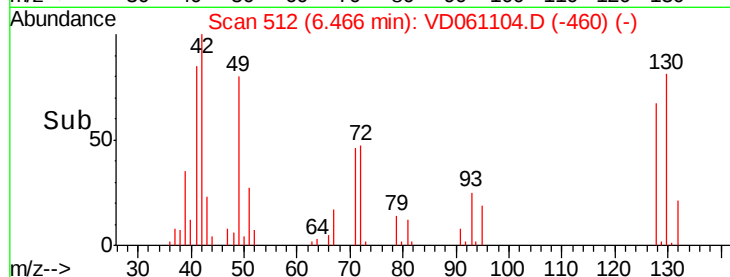
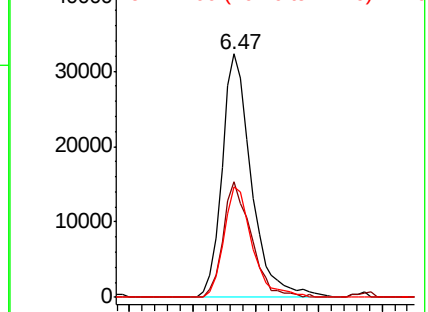
42 100

72 45.3 34.5 51.7

71 43.6 33.8 50.6



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



#30

Chloroform

Concen: 20.354 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061104.D

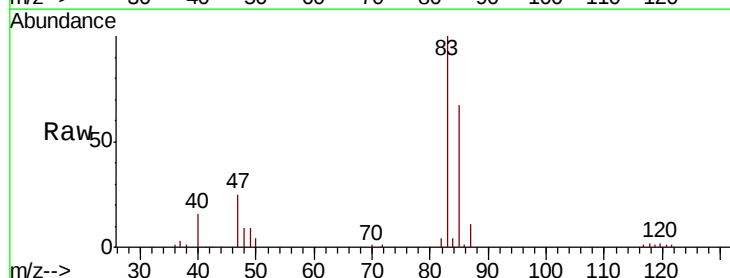
Acq: 16 Mar 2019 12:51

Tgt Ion: 83 Resp: 275753

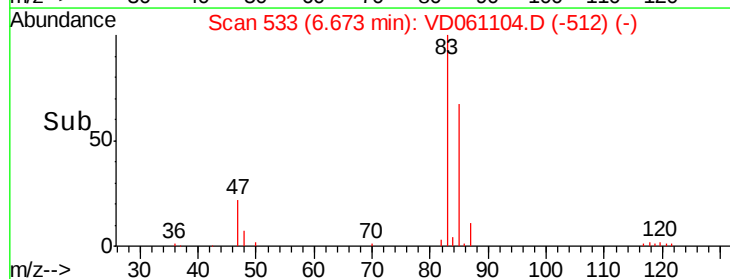
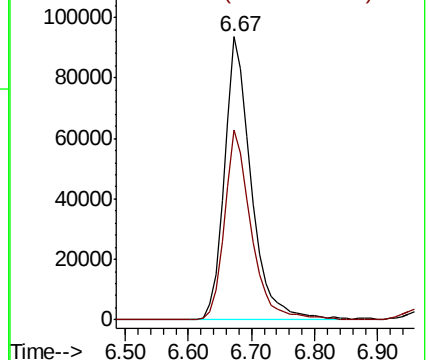
Ion Ratio Lower Upper

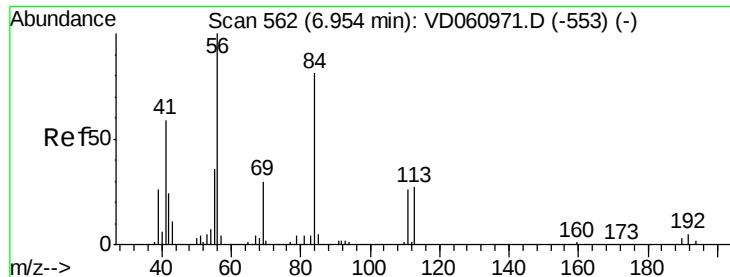
83 100

85 67.3 53.0 79.4



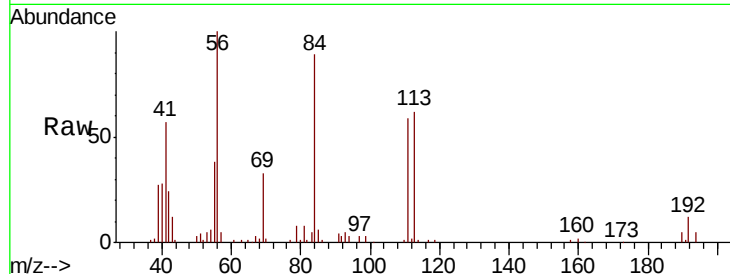
Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC



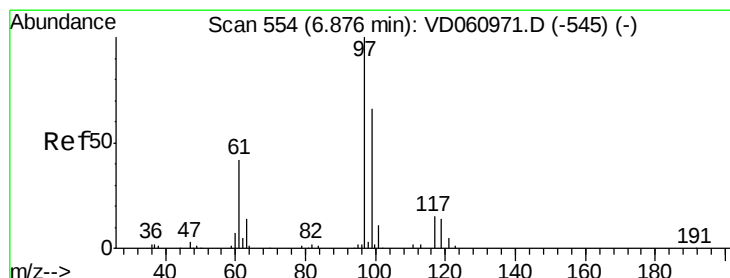
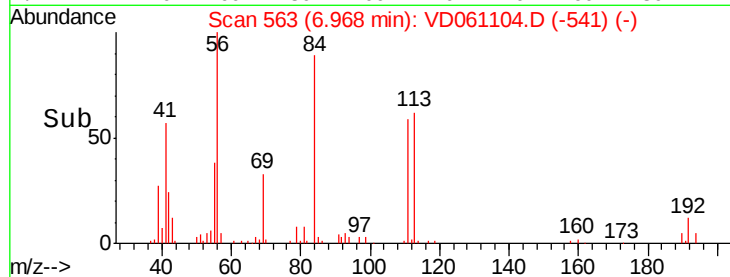
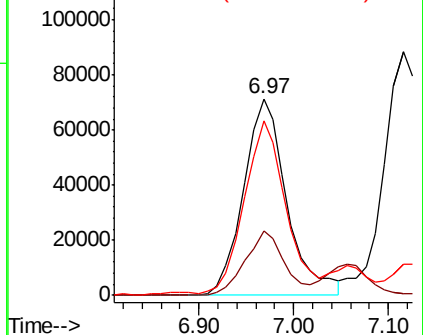


#31
Cyclohexane
Concen: 21.493 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion:	56	Resp:	226543
Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.0	36.0
84	88.7	65.8	98.6

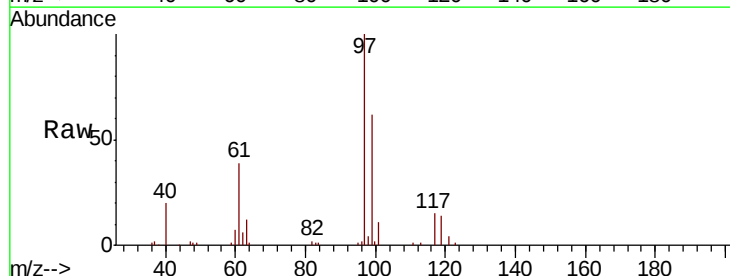


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

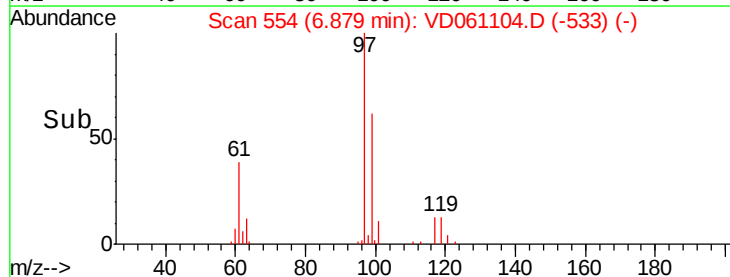
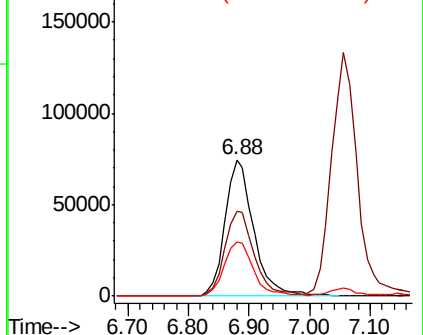


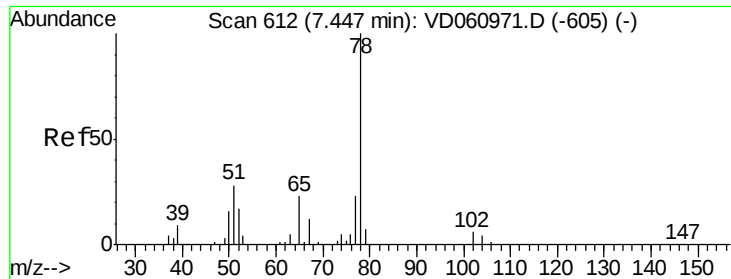
#32
1,1,1-Trichloroethane
Concen: 20.902 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion:	97	Resp:	244823
Ion	Ratio	Lower	Upper
97	100		
99	61.8	53.2	79.8
61	39.5	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: 20.902 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061104.D

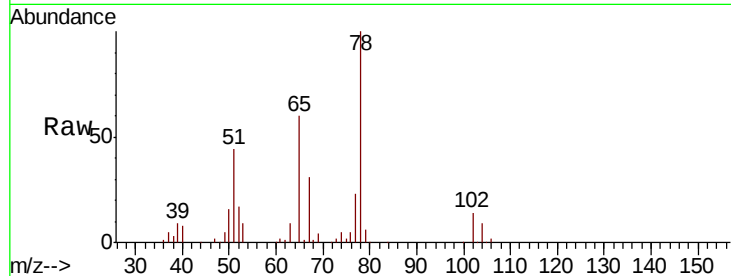
Acq: 16 Mar 2019 12:51

Tgt Ion: 65 Resp: 277279

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

40000

20000

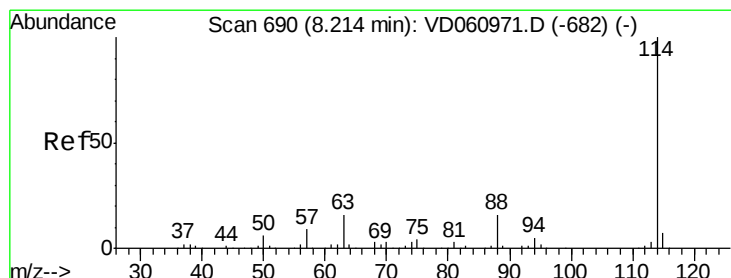
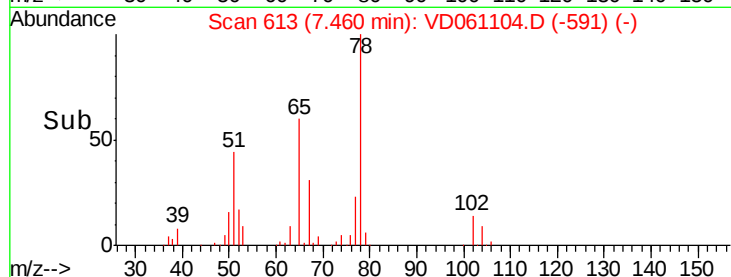
0

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

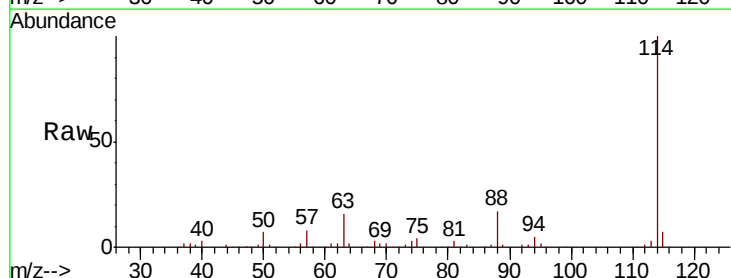
Tgt Ion: 114 Resp: 1300236

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

88 16.5 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

400000

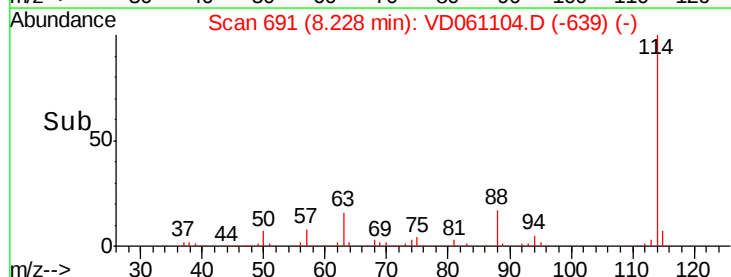
200000

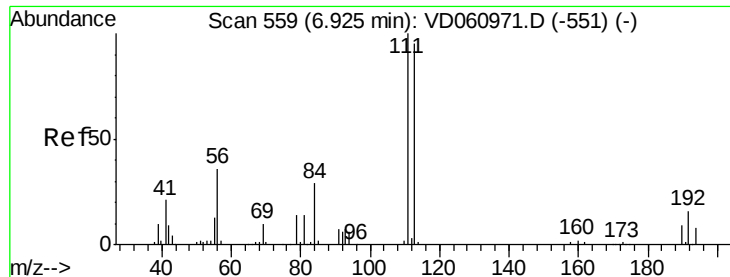
0

8.20

8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

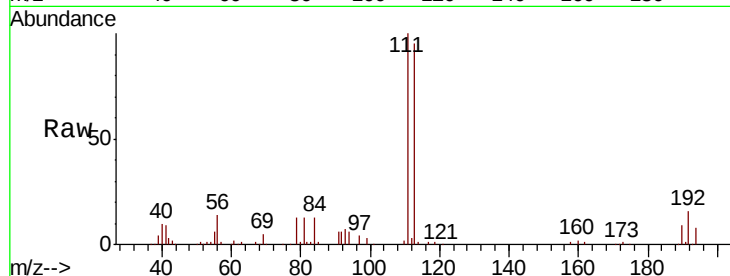
Tgt Ion: 113 Resp: 453717

Ion Ratio Lower Upper

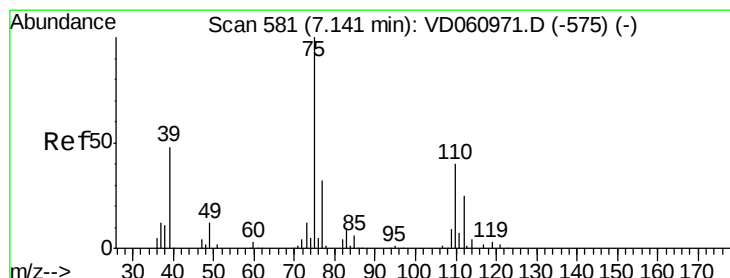
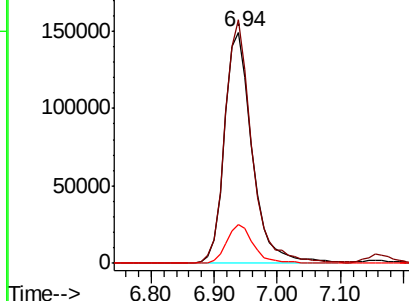
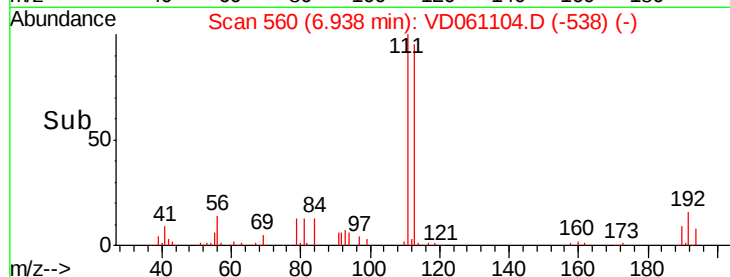
113 100

111 105.2 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: 18.483 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

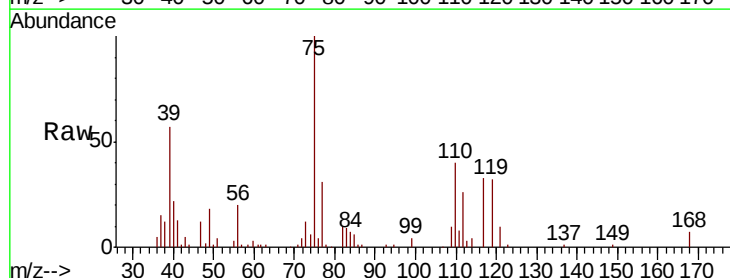
Tgt Ion: 75 Resp: 207158

Ion Ratio Lower Upper

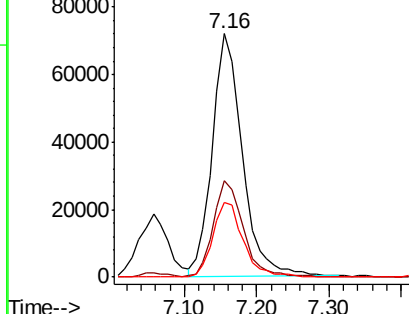
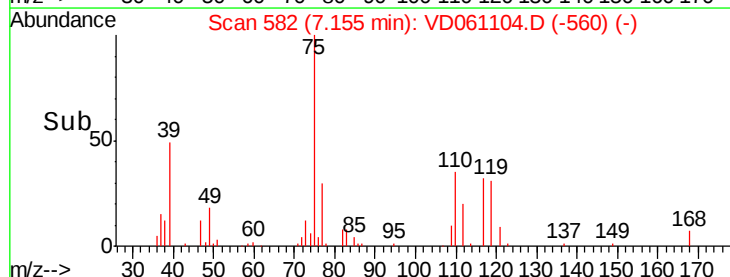
75 100

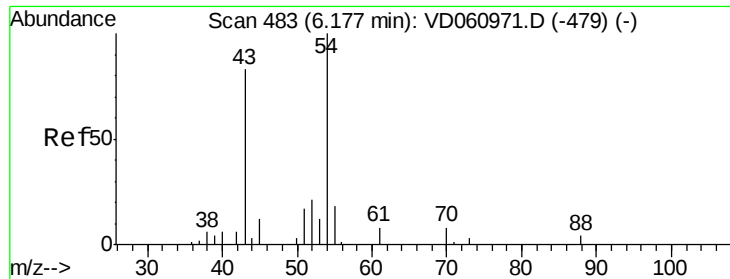
110 39.7 19.7 59.1

77 30.6 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: 18.744 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

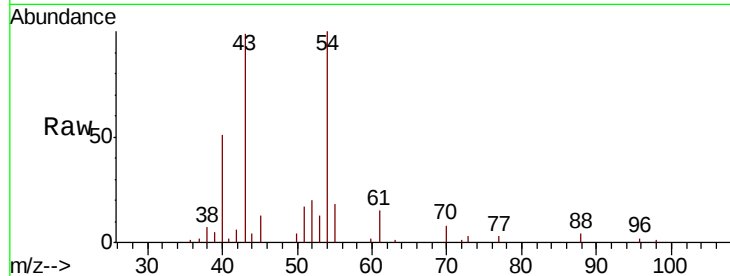
Tgt Ion: 43 Resp: 98583

Ion Ratio Lower Upper

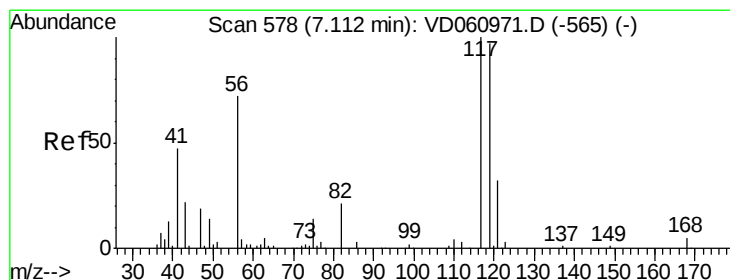
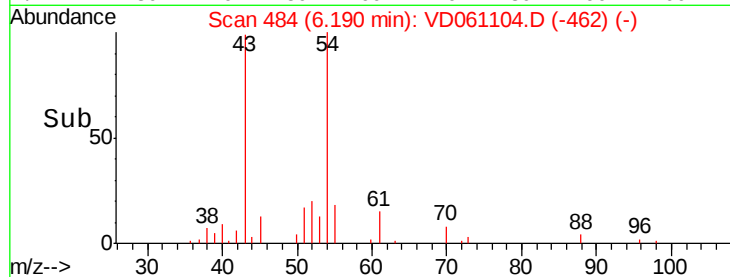
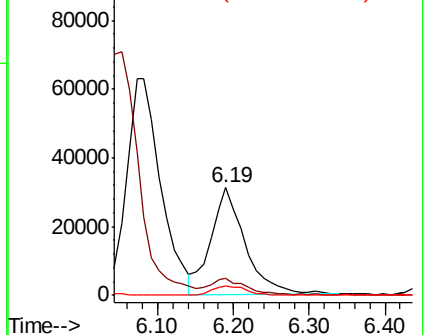
43 100

61 15.3 13.7 20.5

70 8.3 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: 17.903 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

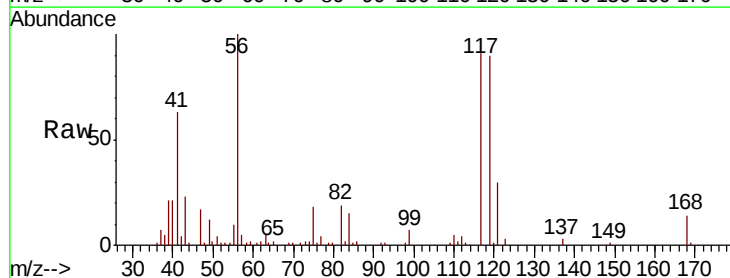
Tgt Ion: 117 Resp: 221028

Ion Ratio Lower Upper

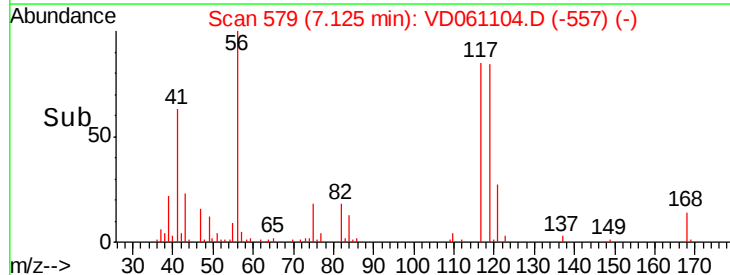
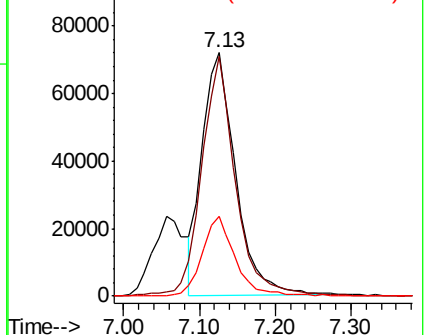
117 100

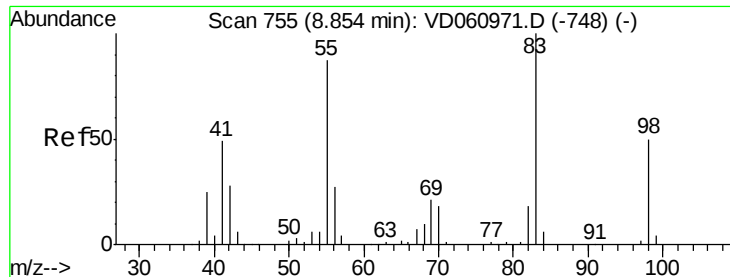
119 98.6 77.8 116.8

121 32.5 25.3 37.9



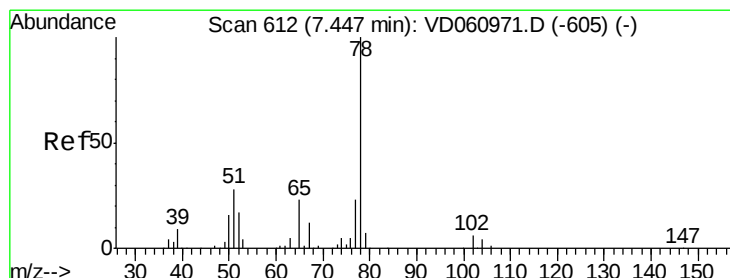
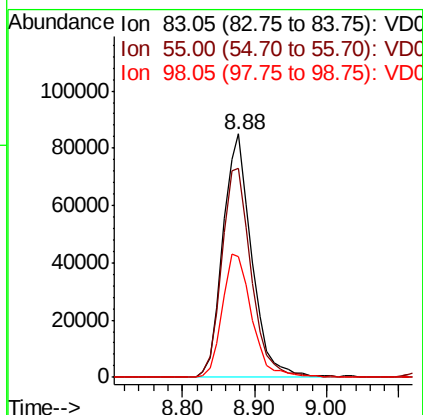
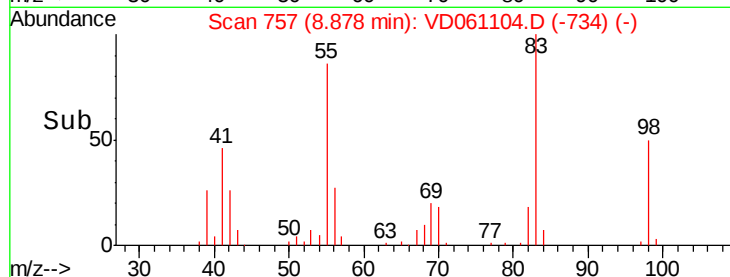
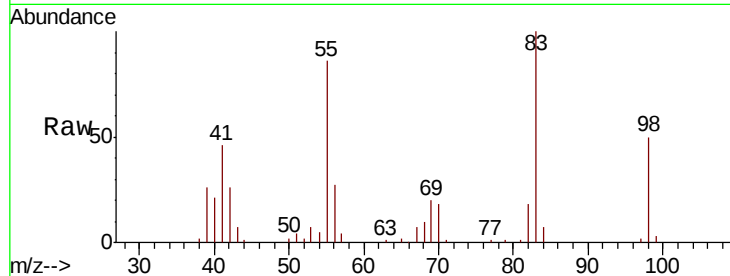
Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





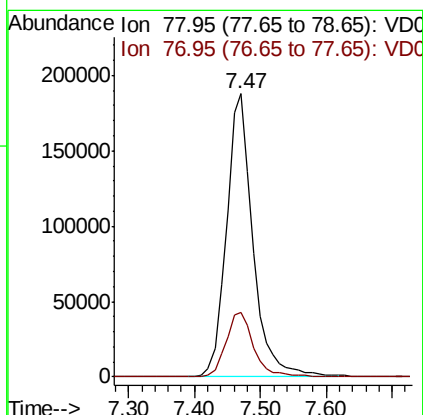
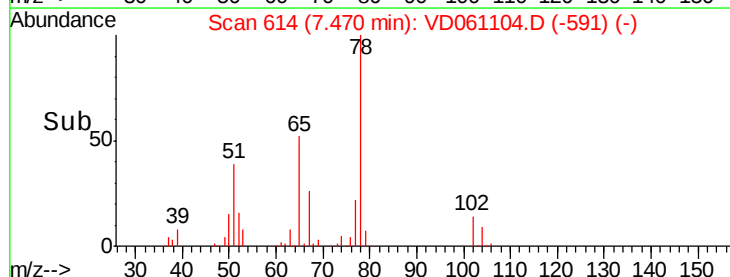
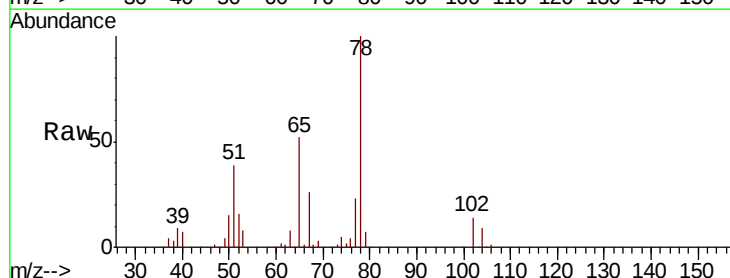
#39
Methylcyclohexane
Concen: 20.234 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

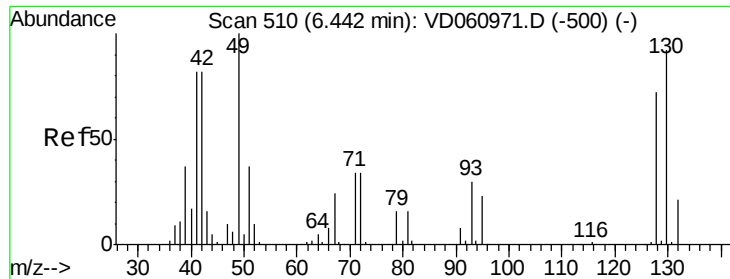
Tgt Ion: 83 Resp: 235150
Ion Ratio Lower Upper
83 100
55 85.9 69.6 104.4
98 49.8 40.0 60.0



#40
Benzene
Concen: 18.795 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 78 Resp: 526379
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 18.543 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

Tgt Ion: 41 Resp: 112176

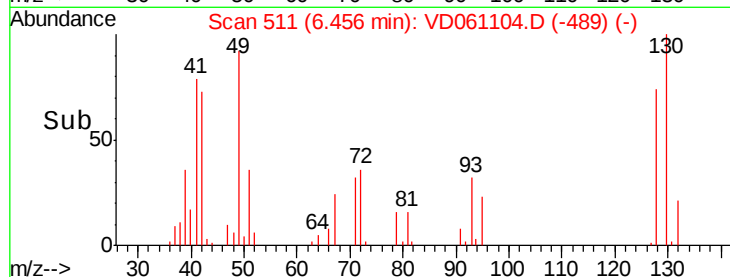
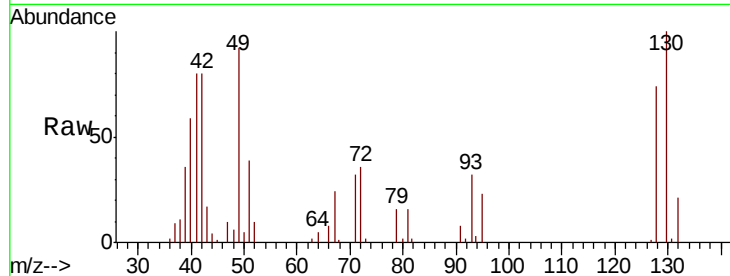
Ion Ratio Lower Upper

41 100

39 44.8 35.7 53.5

67 30.0 23.0 34.6

52 12.4 9.2 13.8

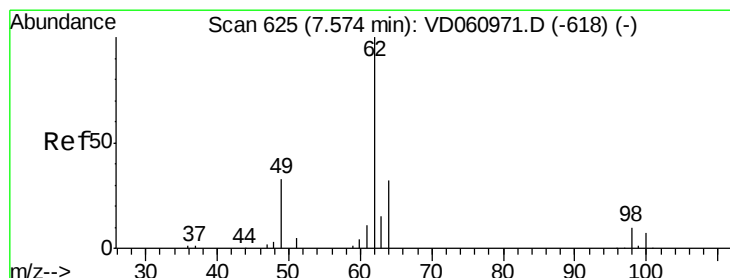
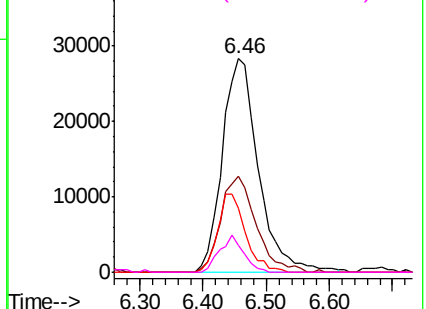


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.110 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061104.D

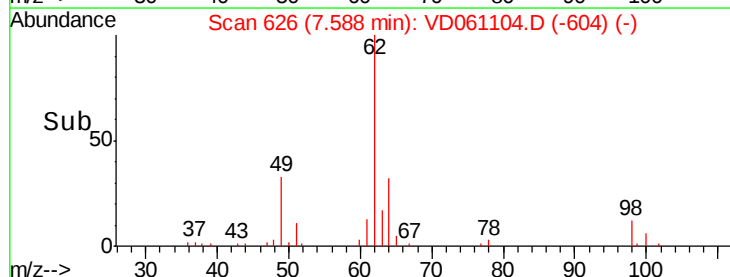
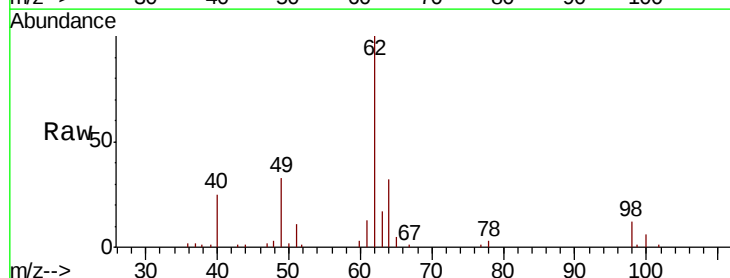
Acq: 16 Mar 2019 12:51

Tgt Ion: 62 Resp: 155309

Ion Ratio Lower Upper

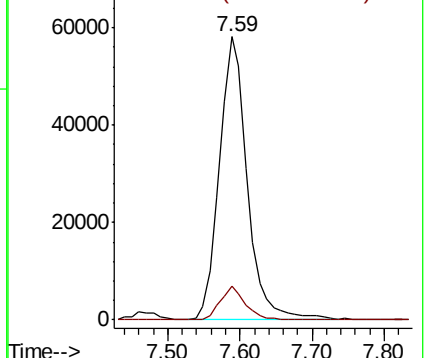
62 100

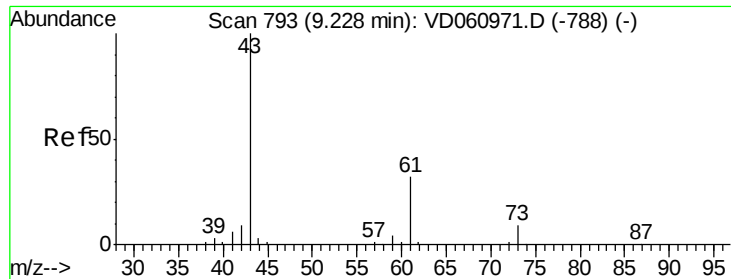
98 11.8 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.785 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

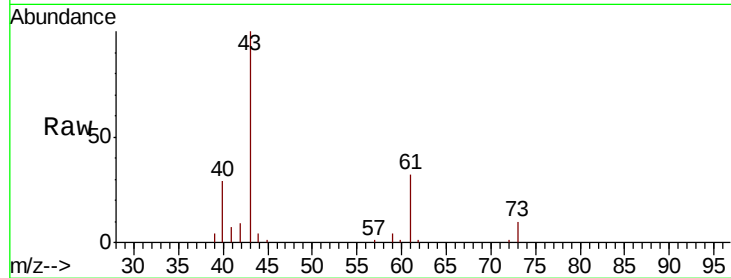
Tgt Ion: 43 Resp: 136840

Ion Ratio Lower Upper

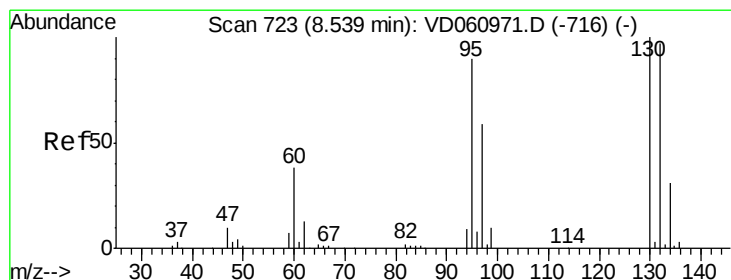
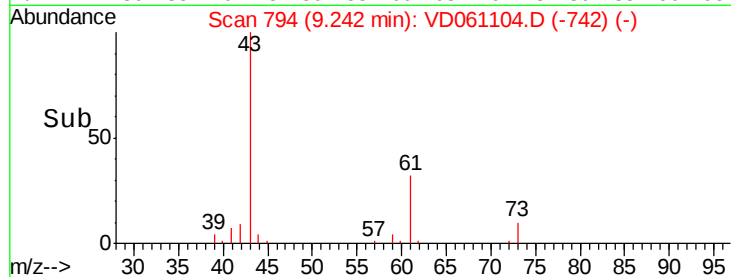
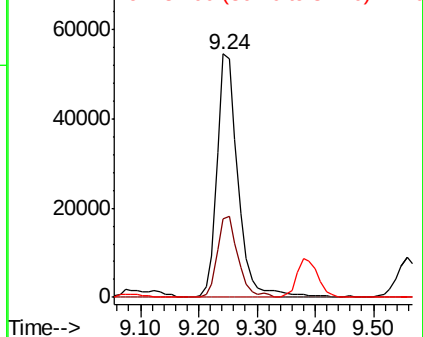
43 100

61 32.5 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: 20.018 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061104.D

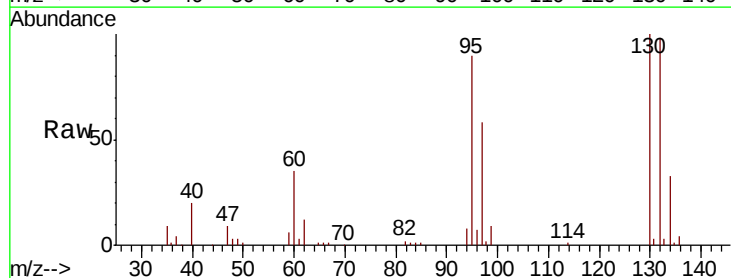
Acq: 16 Mar 2019 12:51

Tgt Ion: 130 Resp: 193406

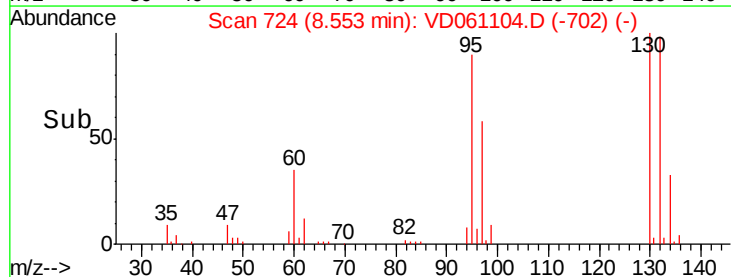
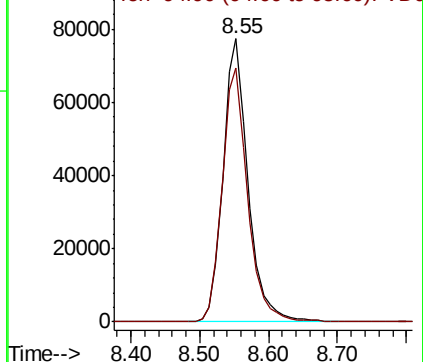
Ion Ratio Lower Upper

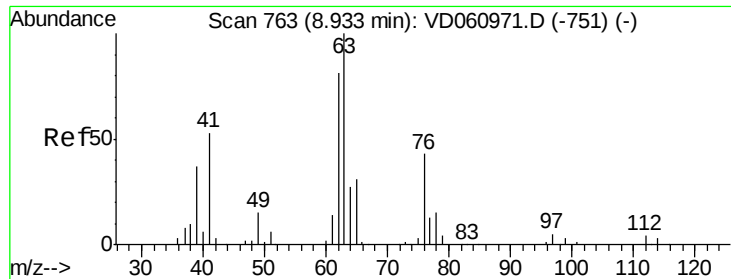
130 100

95 89.9 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: 19.751 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061104.D

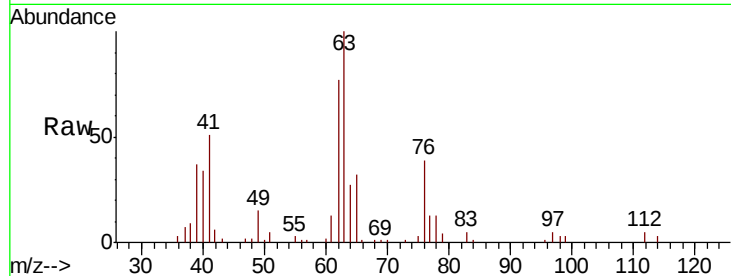
Acq: 16 Mar 2019 12:51

Tgt Ion: 63 Resp: 145325

Ion Ratio Lower Upper

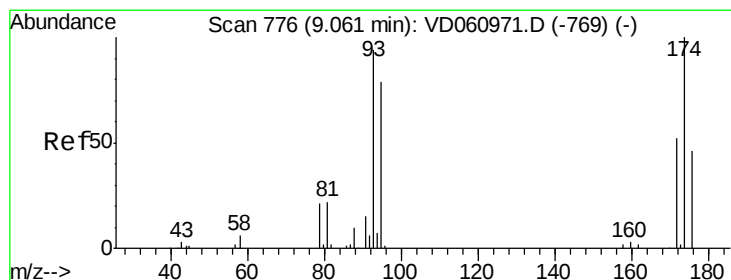
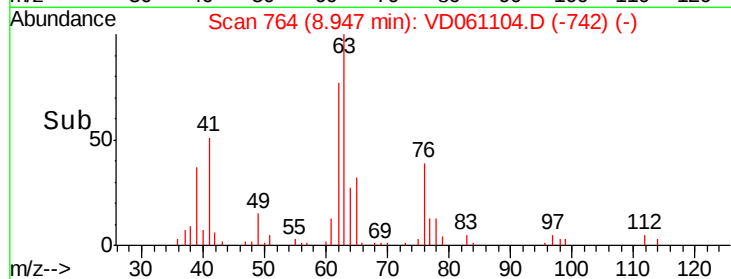
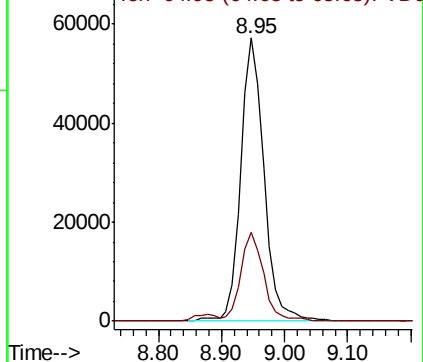
63 100

65 31.6 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.409 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

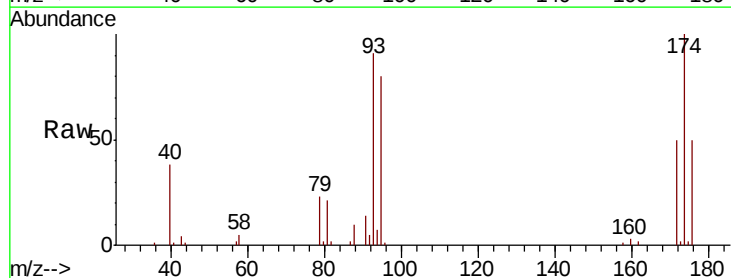
Tgt Ion: 93 Resp: 90585

Ion Ratio Lower Upper

93 100

95 88.1 67.4 101.0

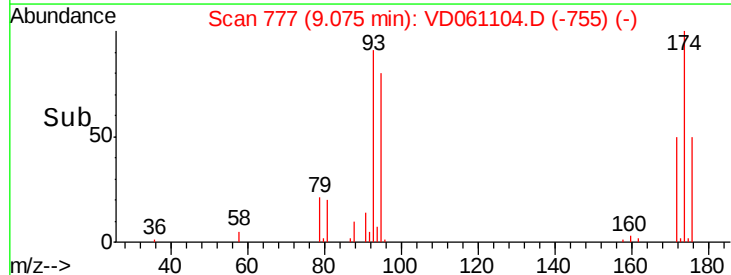
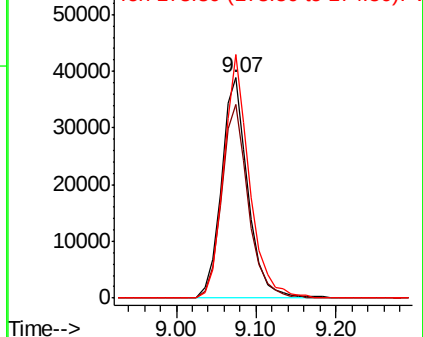
174 110.5 85.4 128.0

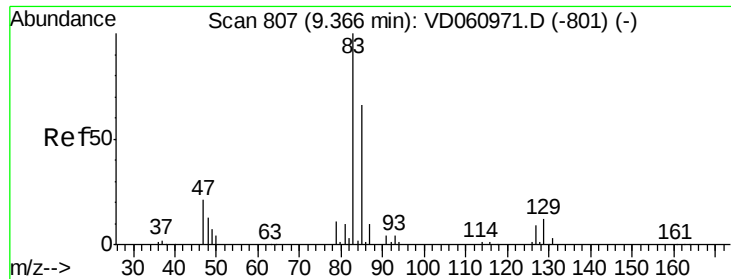


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.197 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

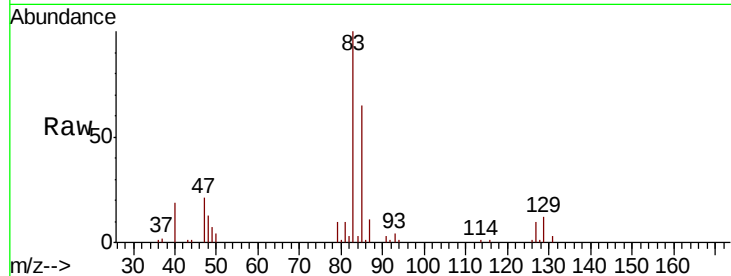
Tgt Ion: 83 Resp: 202185

Ion Ratio Lower Upper

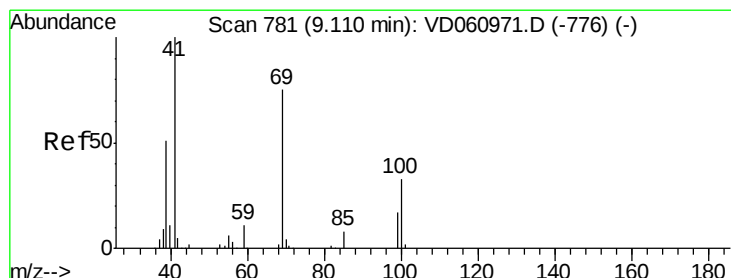
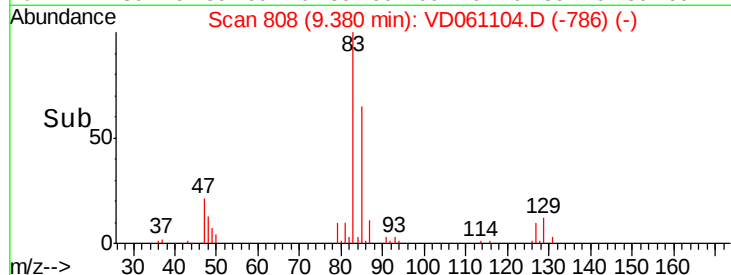
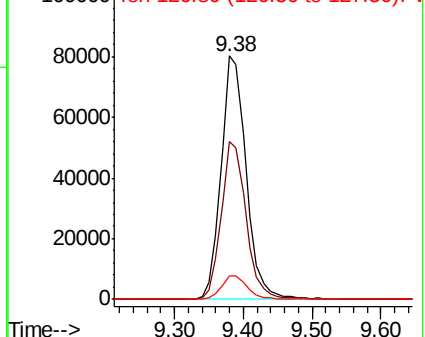
83 100

85 65.0 52.5 78.7

127 9.6 7.5 11.3



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



#48

Methyl methacrylate

Concen: 18.492 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

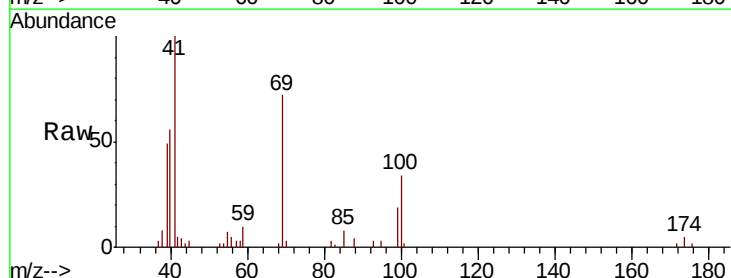
Tgt Ion: 41 Resp: 75844

Ion Ratio Lower Upper

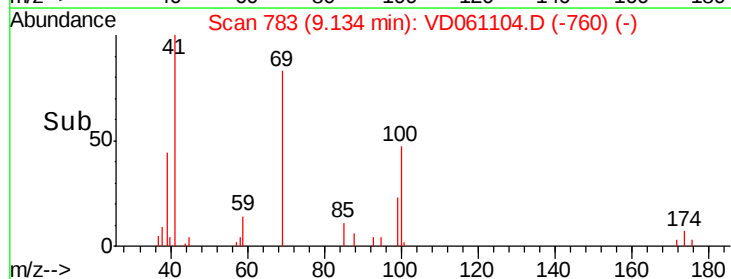
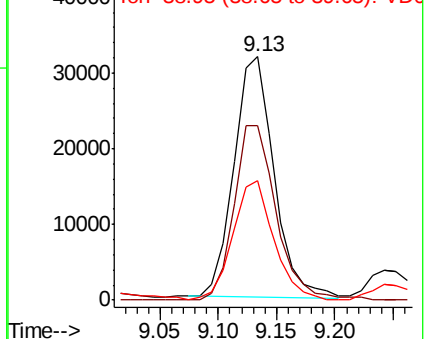
41 100

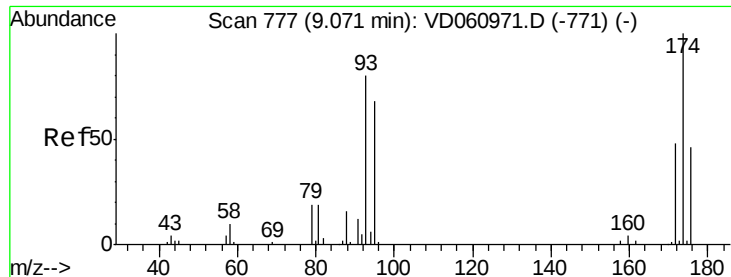
69 71.8 59.9 89.9

39 49.2 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: 369.951 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

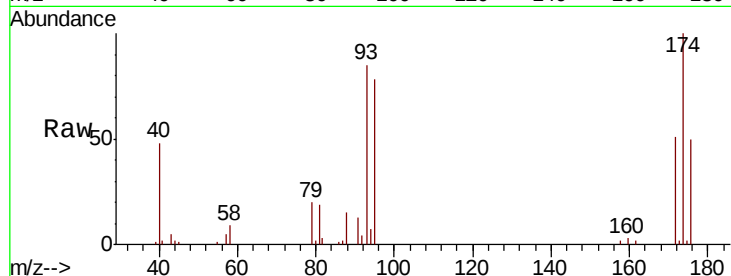
Tgt Ion: 88 Resp: 15343

Ion Ratio Lower Upper

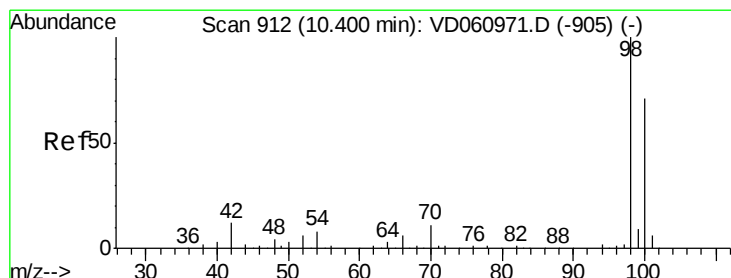
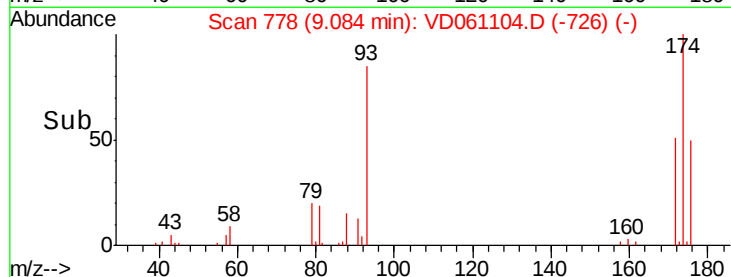
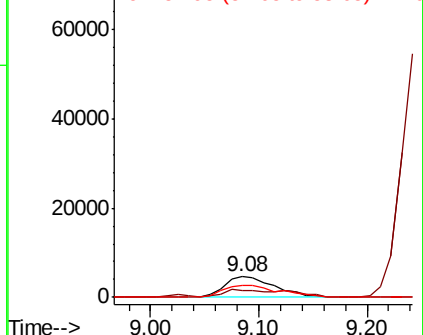
88 100

43 31.6 21.0 31.6#

58 57.6 48.6 72.8



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



#50

Toluene-d8

Concen: 369.951 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061104.D

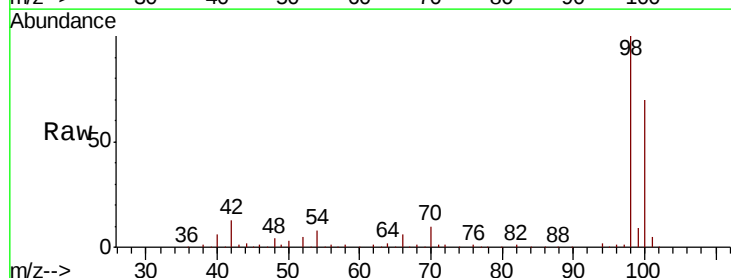
Acq: 16 Mar 2019 12:51

Tgt Ion: 98 Resp: 1080485

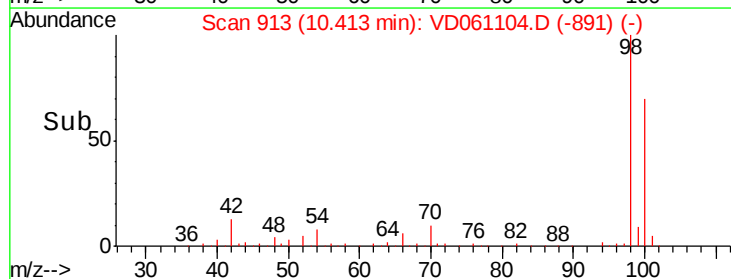
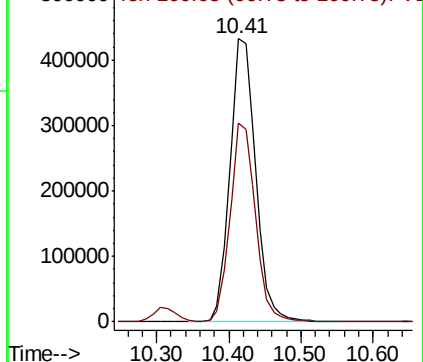
Ion Ratio Lower Upper

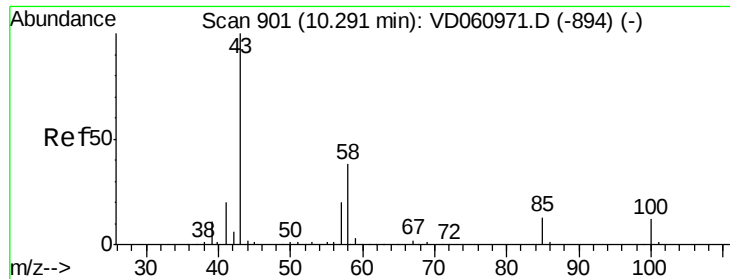
98 100

100 70.2 57.4 86.2



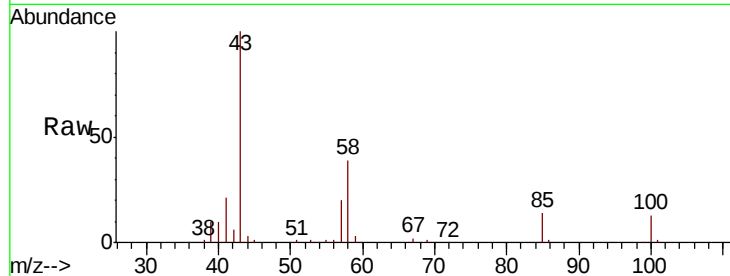
Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



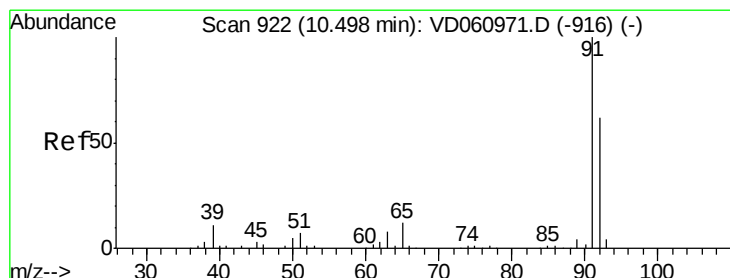
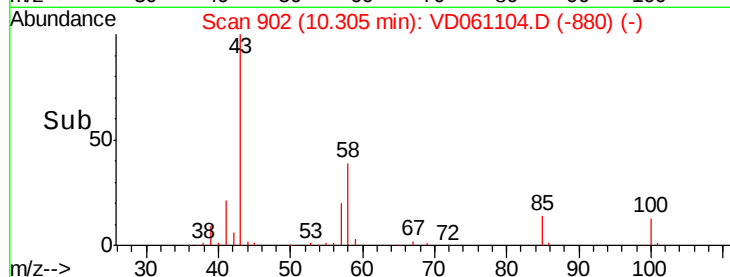
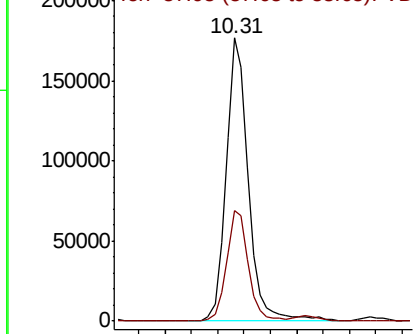


#51
4-Methyl-2-Pentanone
Concen: 93.174 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 415805
Ion Ratio Lower Upper
43 100
58 38.9 30.2 45.2

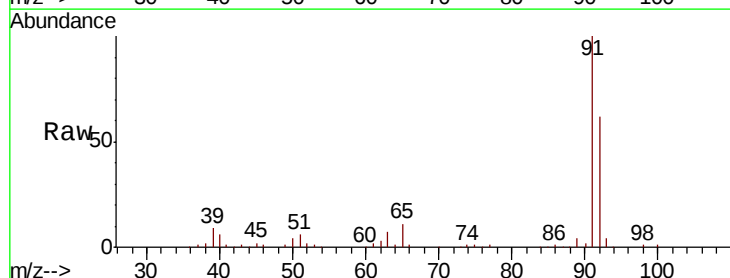


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

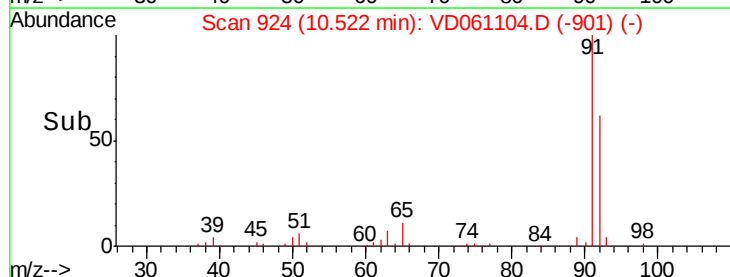
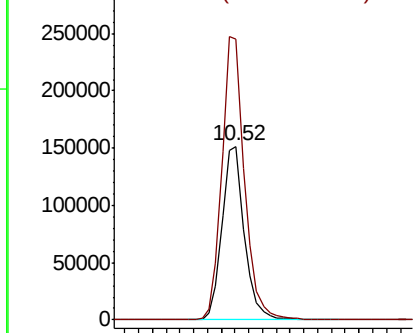


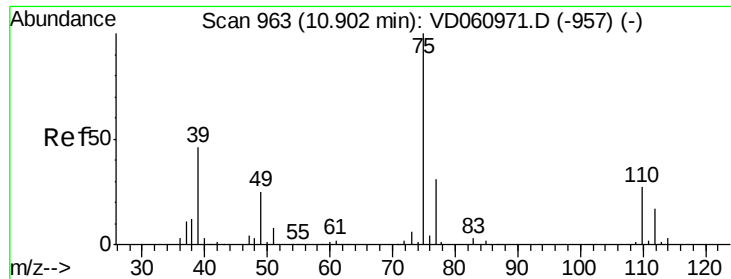
#52
Toluene
Concen: 19.611 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 92 Resp: 341522
Ion Ratio Lower Upper
92 100
91 161.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 17.764 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061104.D

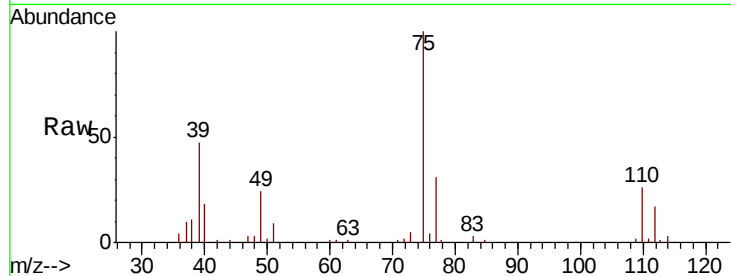
Acq: 16 Mar 2019 12:51

Tgt Ion: 75 Resp: 171073

Ion Ratio Lower Upper

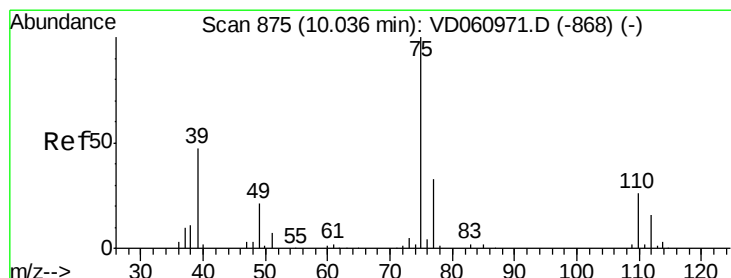
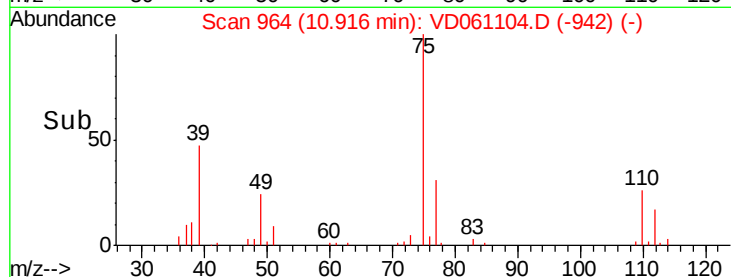
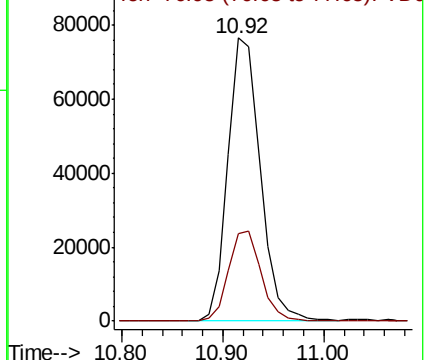
75 100

77 30.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.917 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

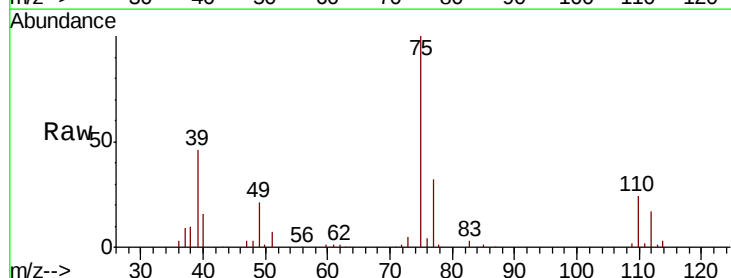
Tgt Ion: 75 Resp: 230460

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4

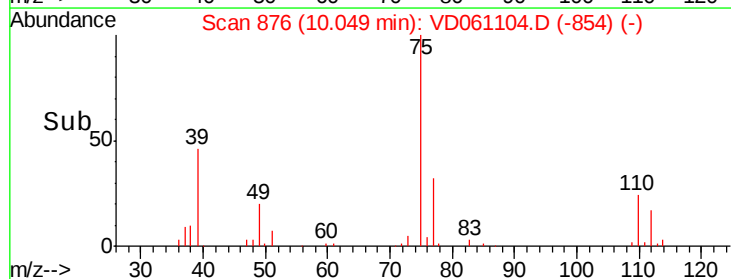
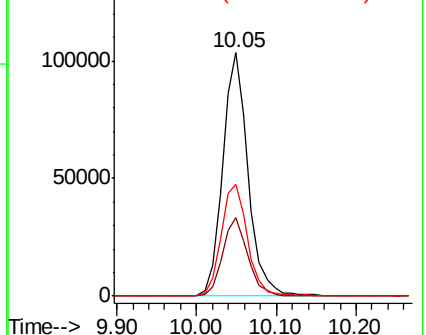
39 45.8 37.8 56.8

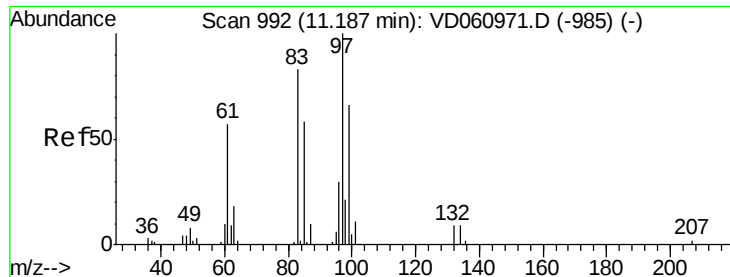


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.089 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

Tgt Ion: 97 Resp: 110706

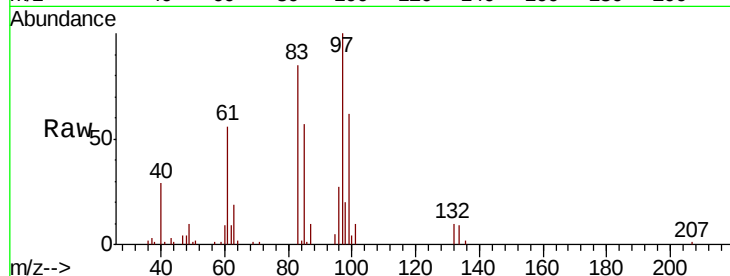
Ion Ratio Lower Upper

97 100

83 84.8 66.6 100.0

85 56.9 46.4 69.6

99 62.4 52.4 78.6

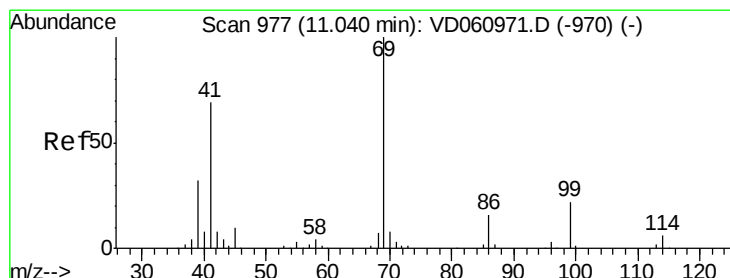
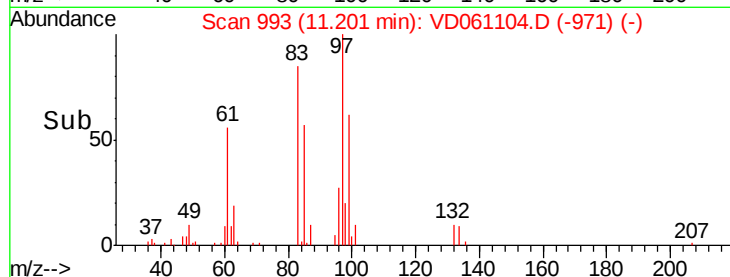
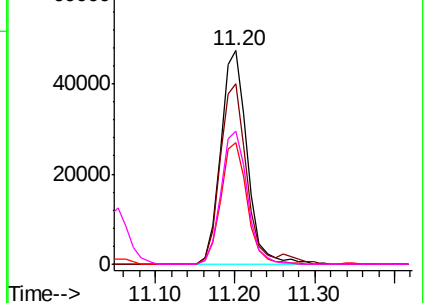


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.674 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

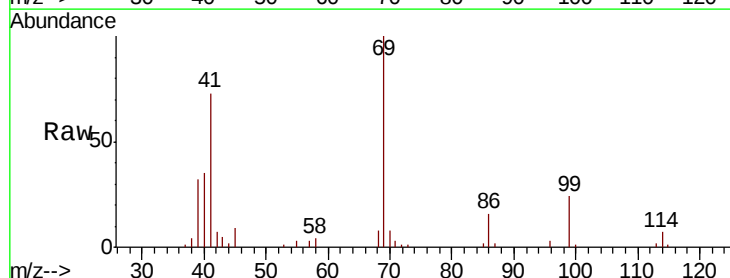
Tgt Ion: 69 Resp: 113358

Ion Ratio Lower Upper

69 100

41 73.2 55.5 83.3

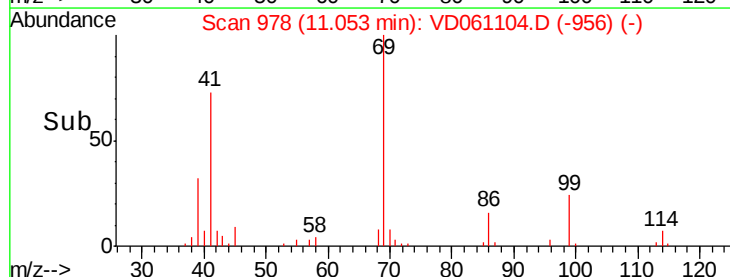
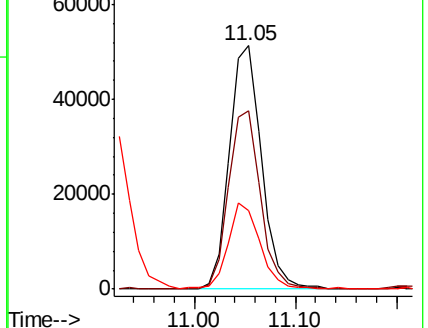
39 32.4 26.2 39.2

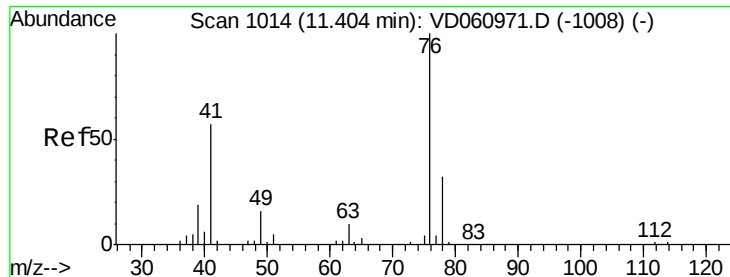


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

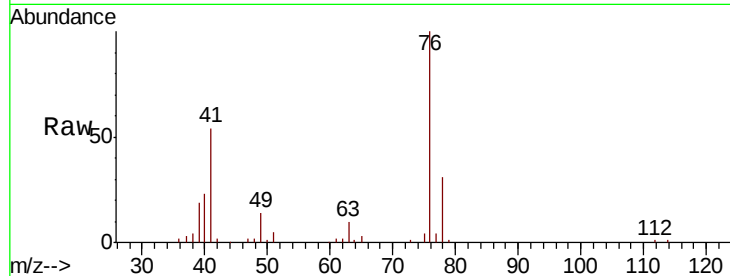
Ion 38.95 (38.65 to 39.65): VDC



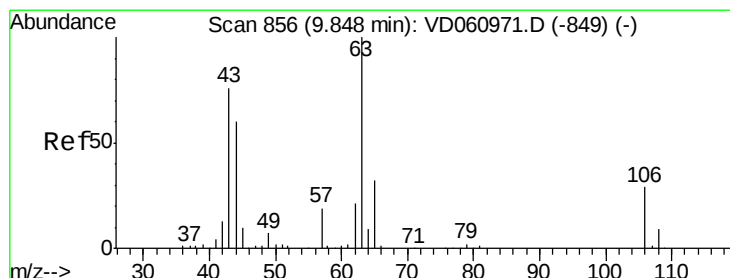
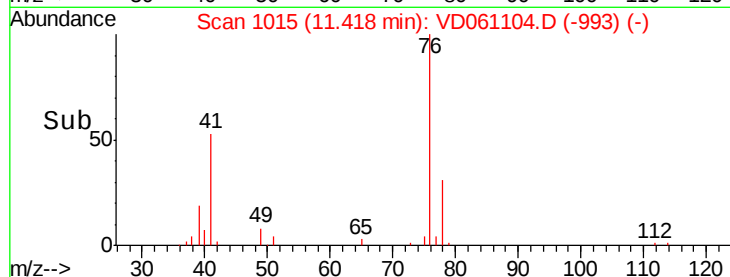
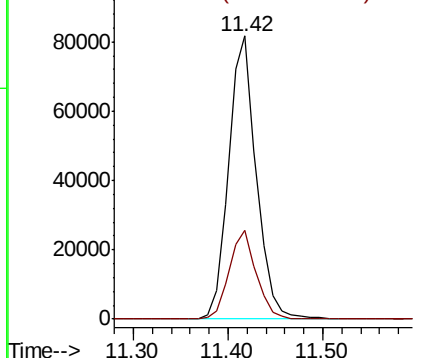


#57
 1,3-Dichloropropane
 Concen: 18.938 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 76 Resp: 164130
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0

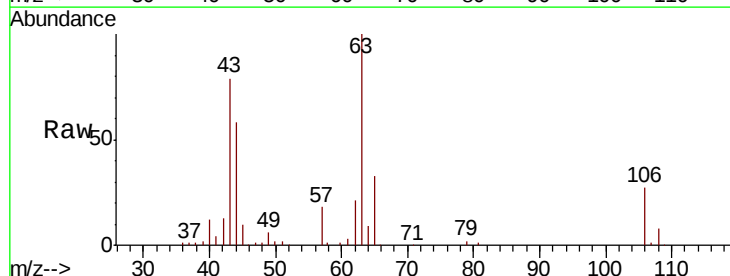


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

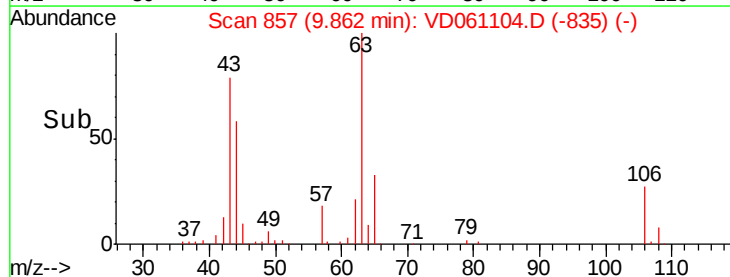
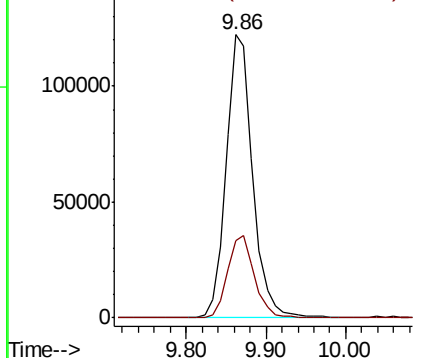


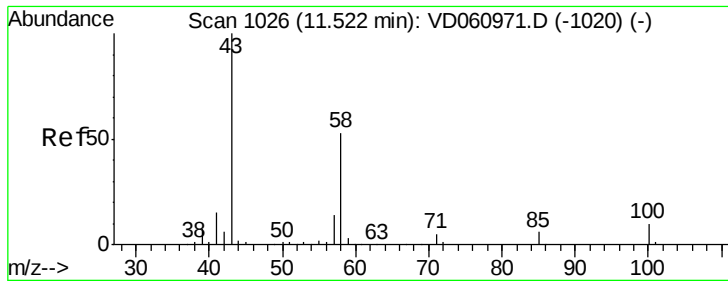
#58
 2-Chloroethyl Vinyl ether
 Concen: 88.450 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 63 Resp: 284210
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.8 34.2



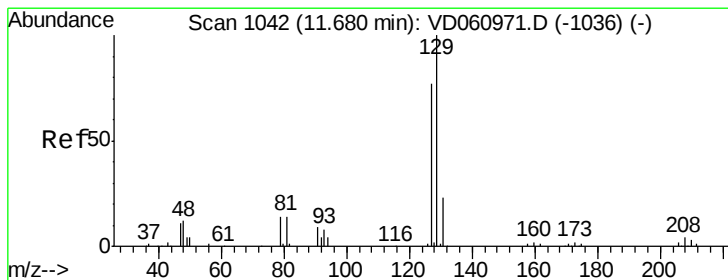
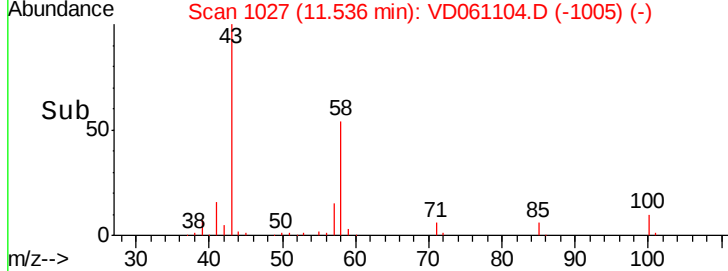
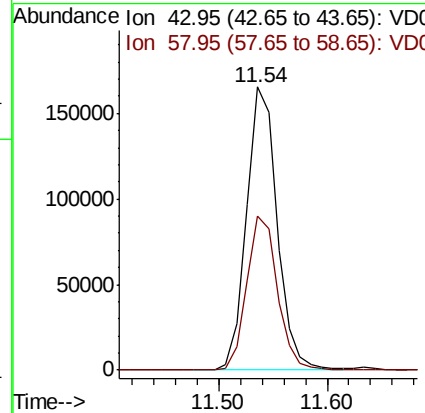
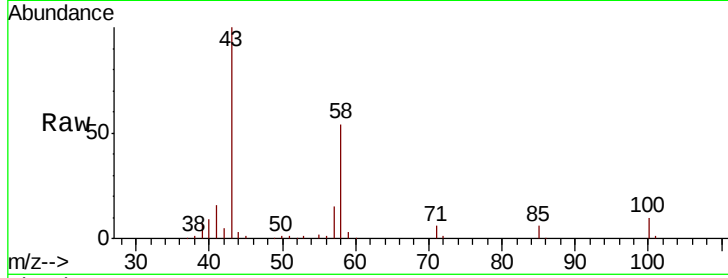
Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V





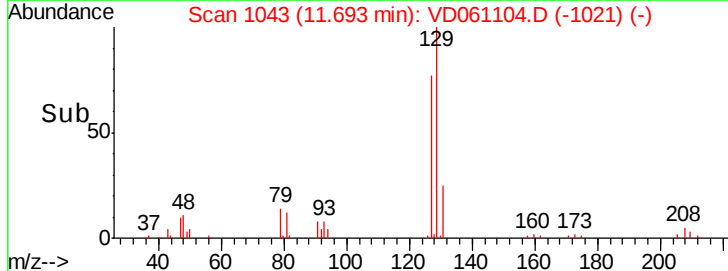
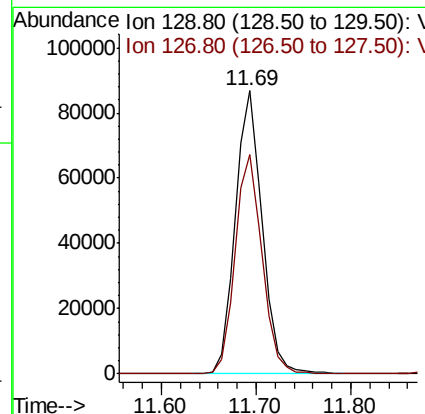
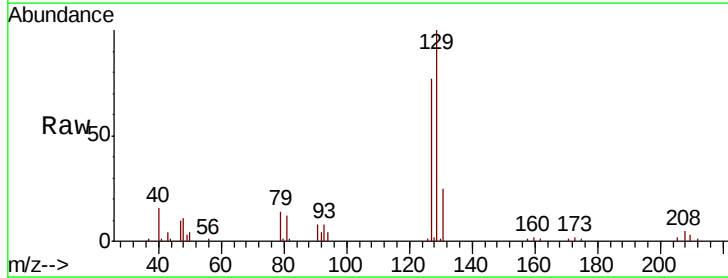
#59
2-Hexanone
Concen: 100.206 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

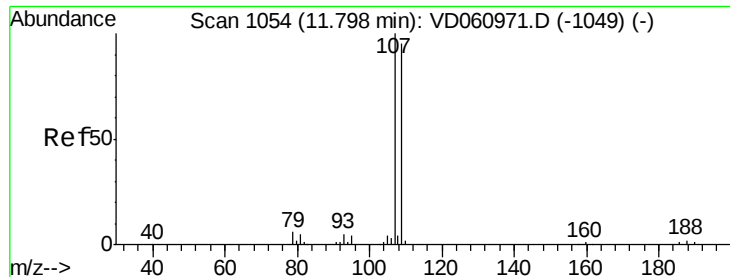
Tgt Ion: 43 Resp: 327115
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.5



#60
Dibromochloromethane
Concen: 19.875 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

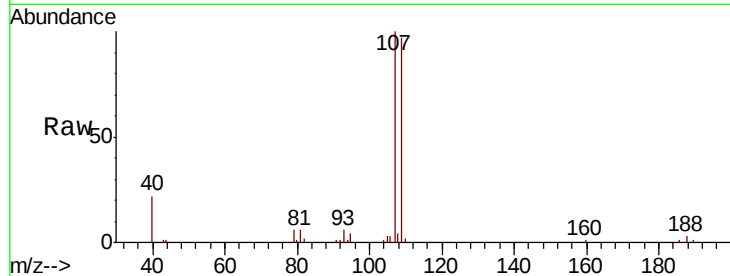
Tgt Ion: 129 Resp: 169639
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9



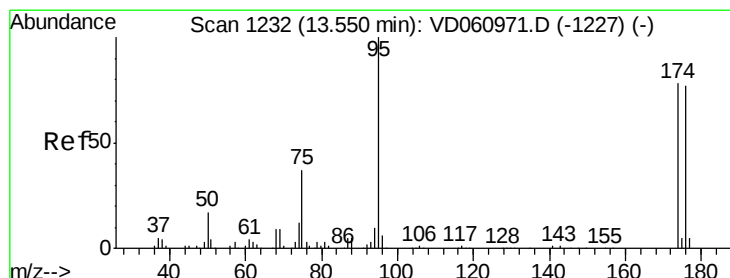
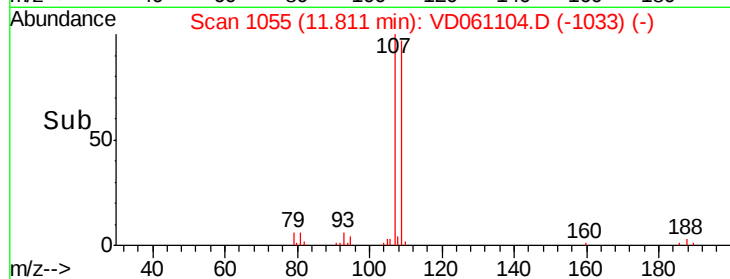
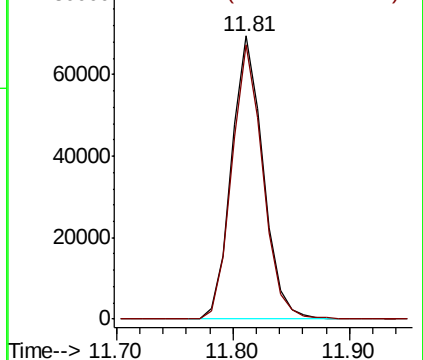


#61
 1,2-Dibromoethane
 Concen: 19.332 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 107 Resp: 130426
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.6 113.4

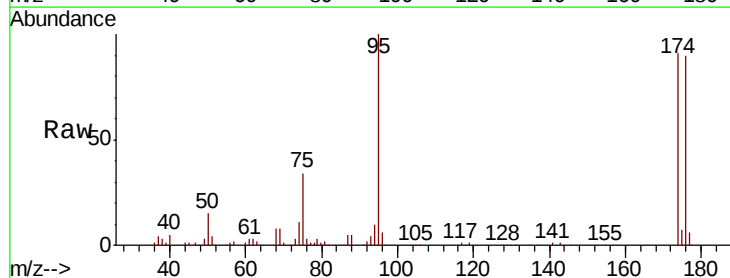


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

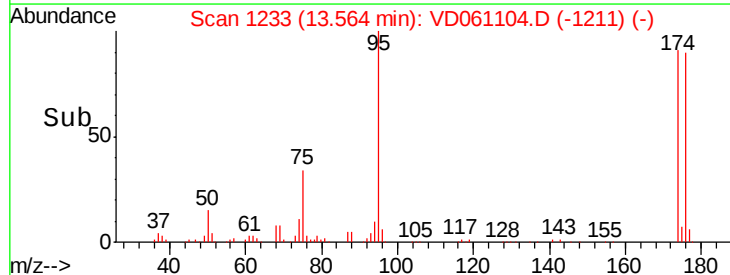
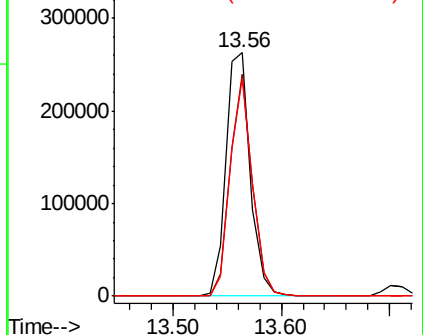


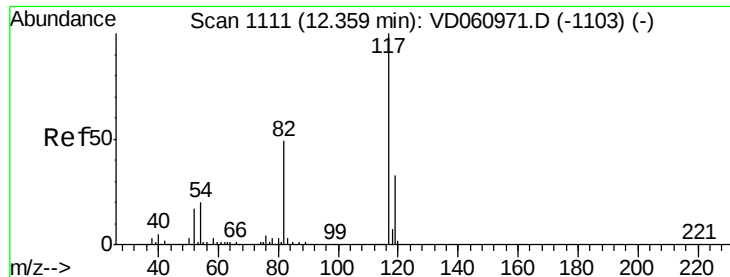
#62
 4-Bromofluorobenzene
 Concen: 19.332 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 95 Resp: 409484
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 155.6
 176 89.8 0.0 153.8



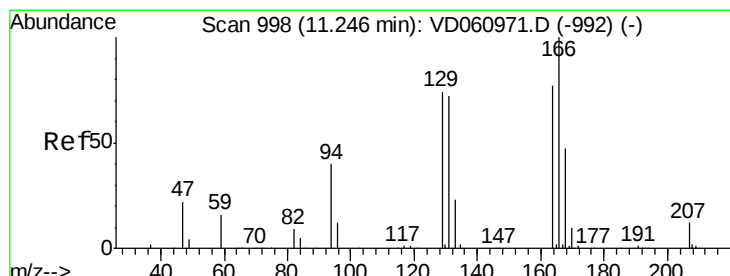
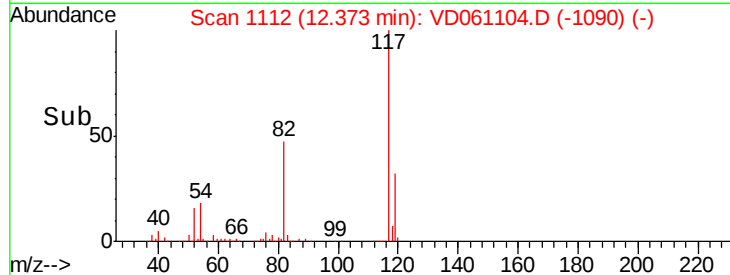
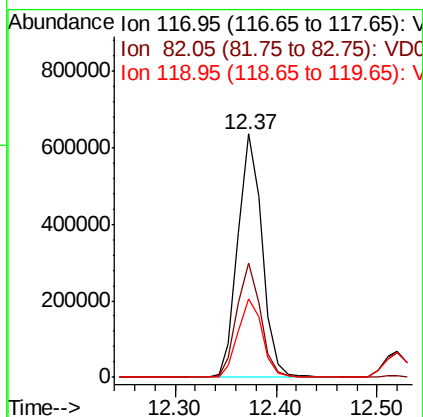
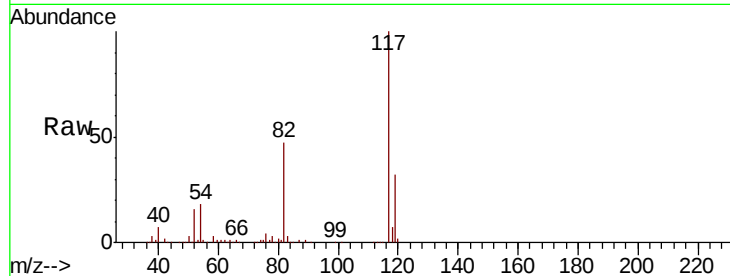
Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V





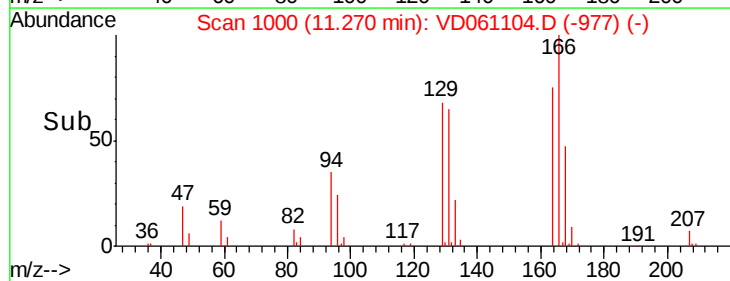
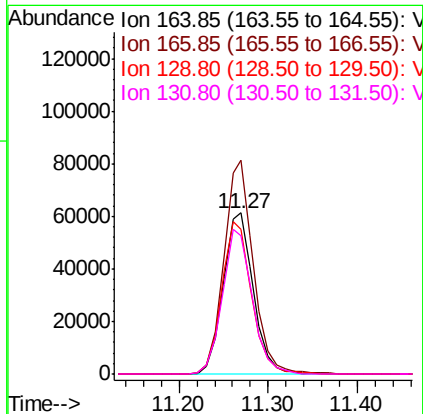
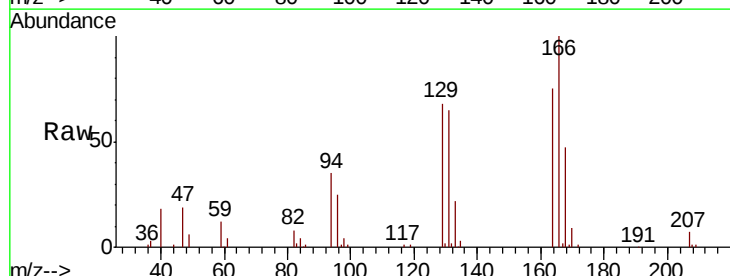
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

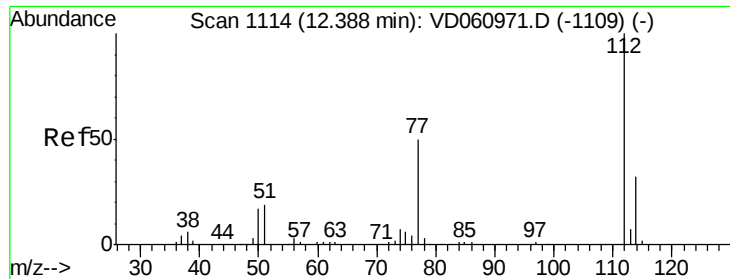
Tgt Ion:117 Resp: 1065173
Ion Ratio Lower Upper
117 100
82 47.0 38.9 58.3
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 20.131 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

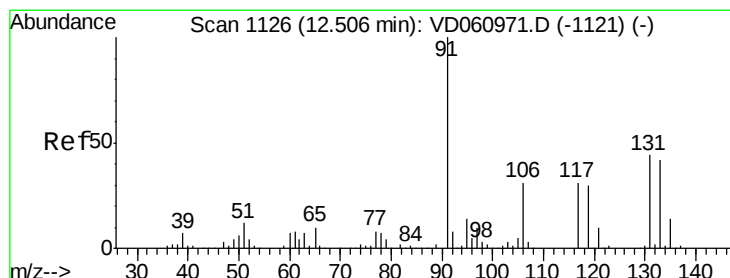
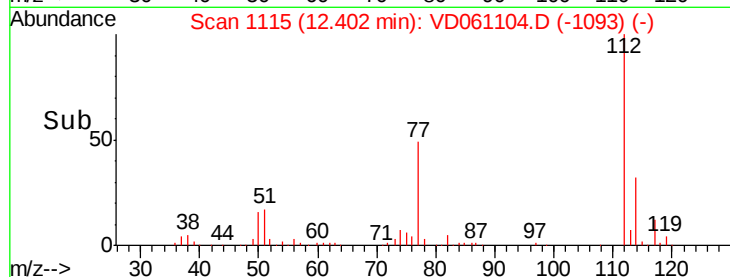
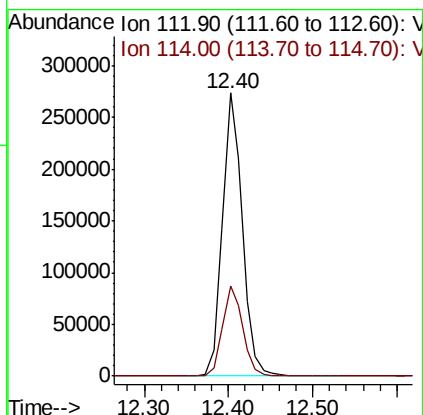
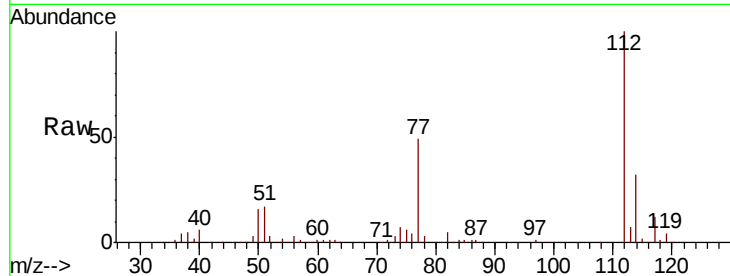
Tgt Ion:164 Resp: 144748
Ion Ratio Lower Upper
164 100
166 132.9 103.4 155.0
129 90.3 76.9 115.3
131 86.1 74.4 111.6





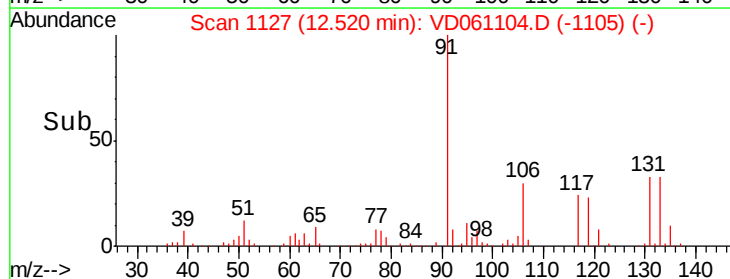
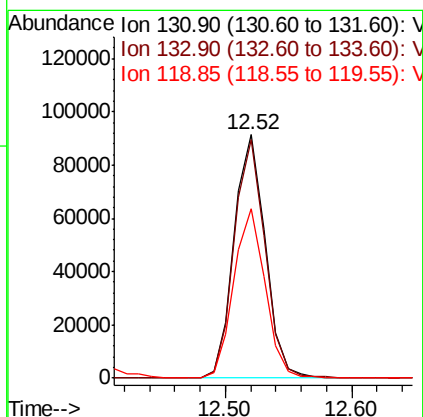
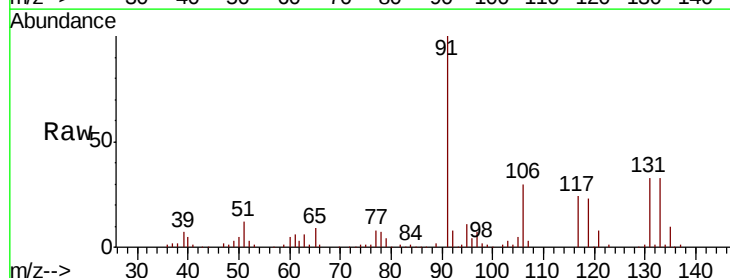
#65
Chlorobenzene
Concen: 21.382 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

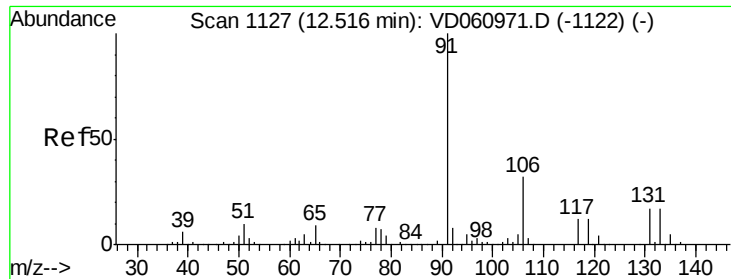
Tgt Ion:112 Resp: 446505
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.877 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

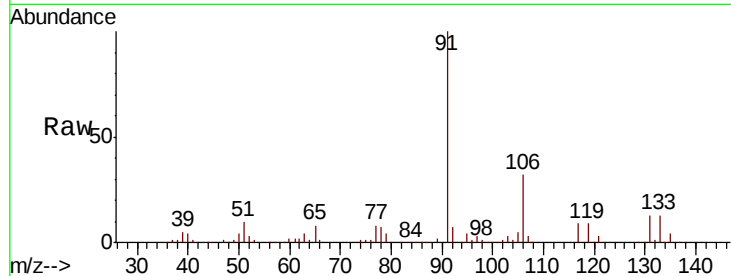
Tgt Ion:131 Resp: 155399
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 69.7 34.3 102.9



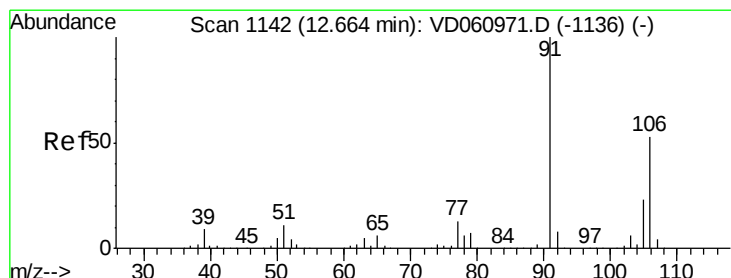
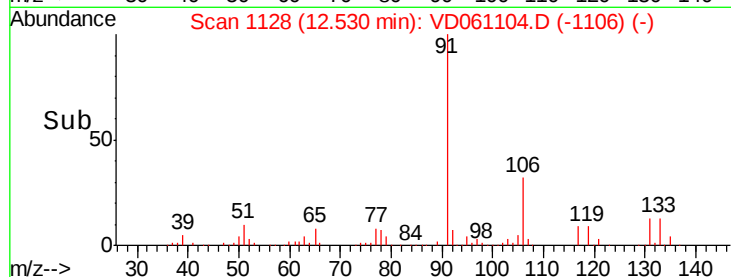
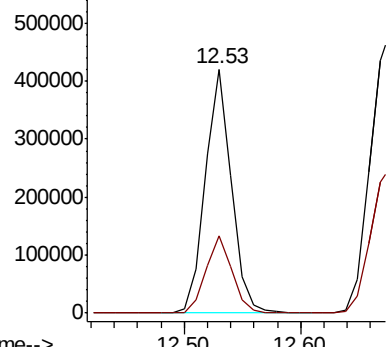


#67
Ethyl Benzene
Concen: 20.992 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 91 Resp: 652590
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

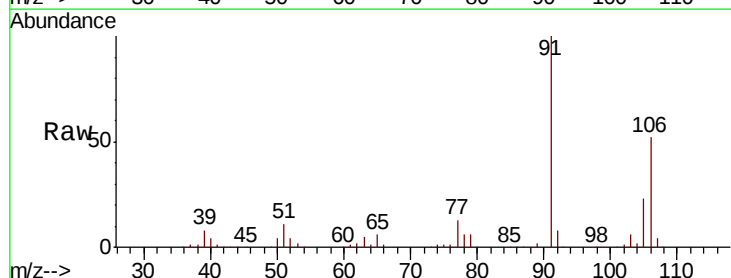


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

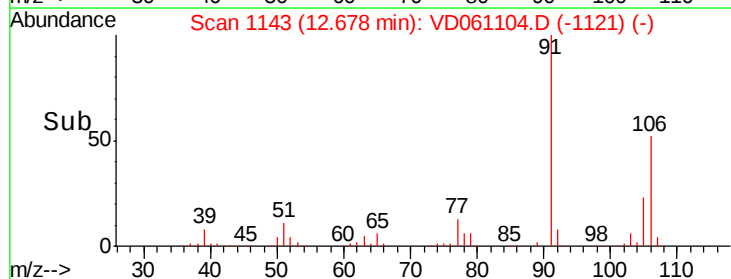
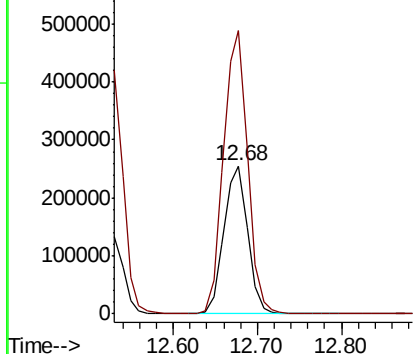


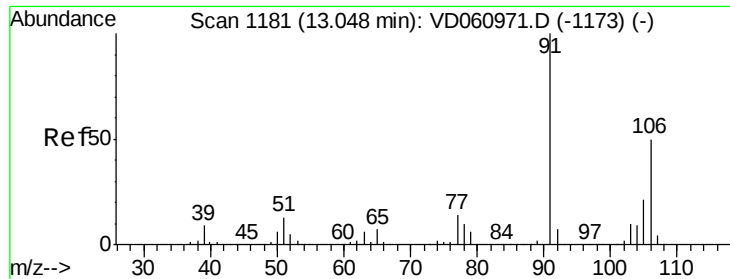
#68
m/p-Xylenes
Concen: 41.022 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 106 Resp: 500542
Ion Ratio Lower Upper
106 100
91 191.6 152.0 228.0



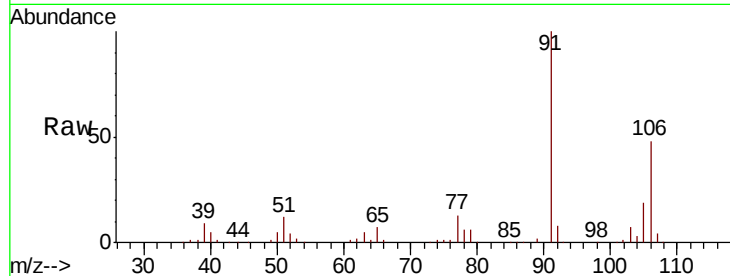
Abundance Ion 106.05 (105.75 to 106.75): VDC
Ion 91.00 (90.70 to 91.70): VDC



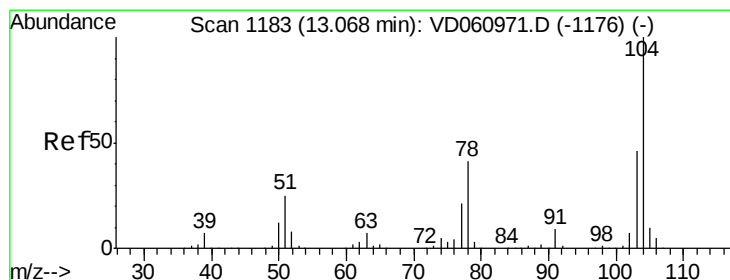
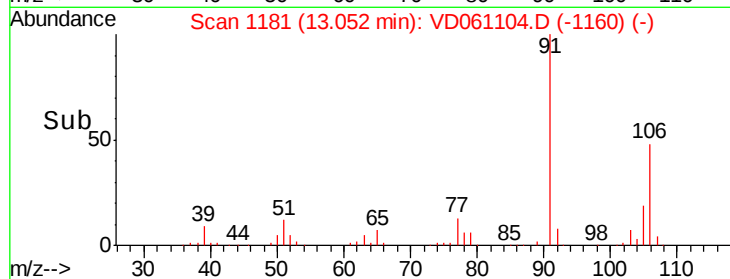
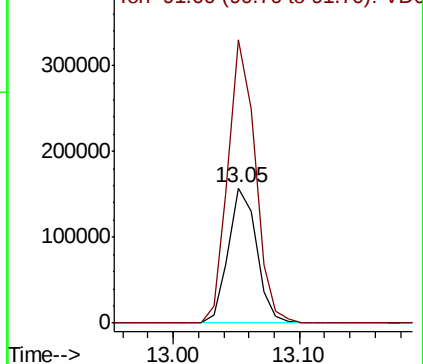


#69
o-Xylene
Concen: 20.332 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion:106 Resp: 243856
Ion Ratio Lower Upper
106 100
91 209.2 99.8 299.3

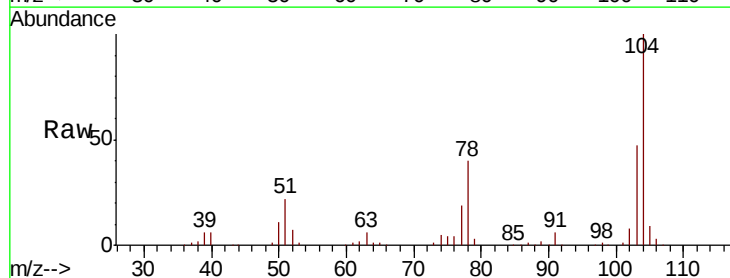


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

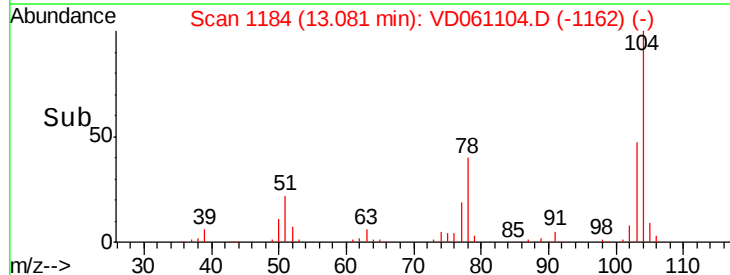
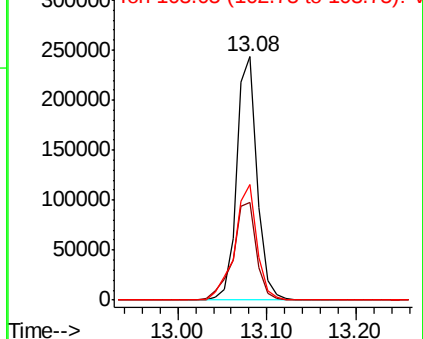


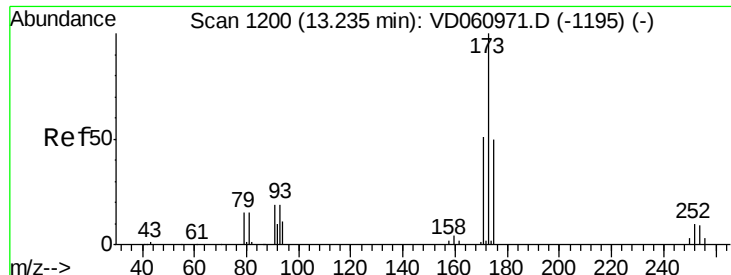
#70
Styrene
Concen: 19.862 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion:104 Resp: 389002
Ion Ratio Lower Upper
104 100
78 40.2 33.0 49.4
103 47.5 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: 19.588 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

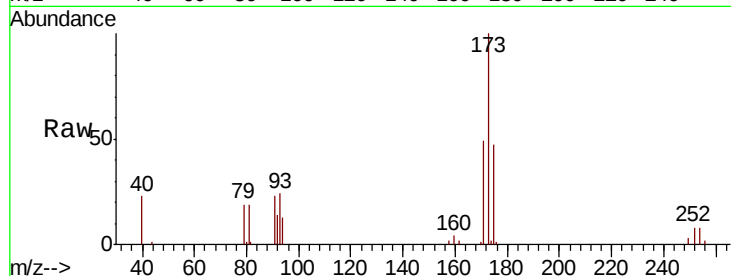
Tgt Ion:173 Resp: 94058

Ion Ratio Lower Upper

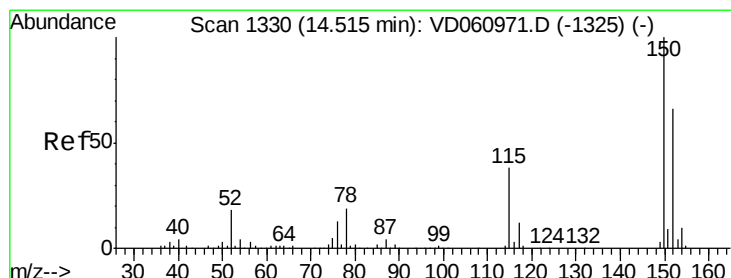
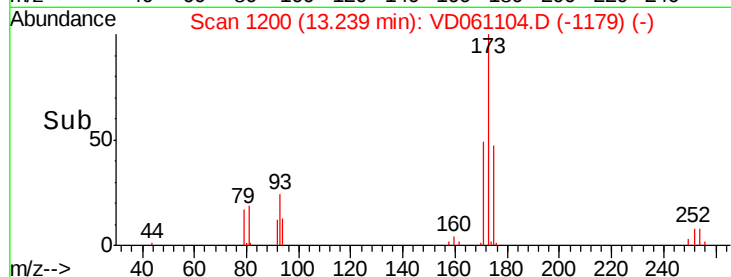
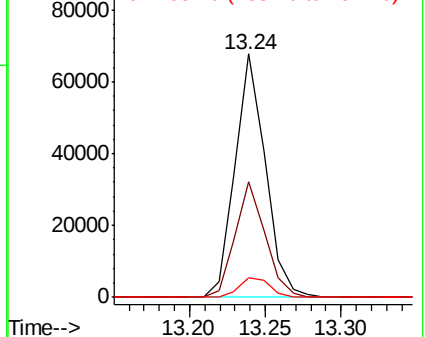
173 100

175 47.3 24.9 74.8

254 8.2 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

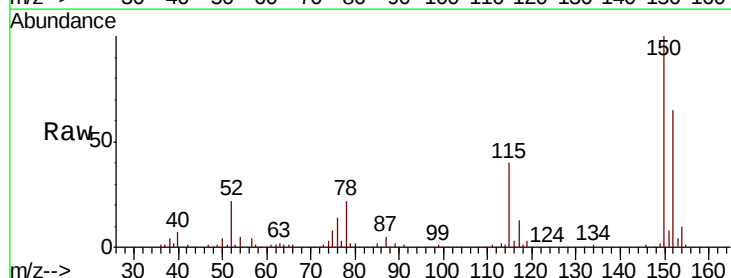
Tgt Ion:152 Resp: 443571

Ion Ratio Lower Upper

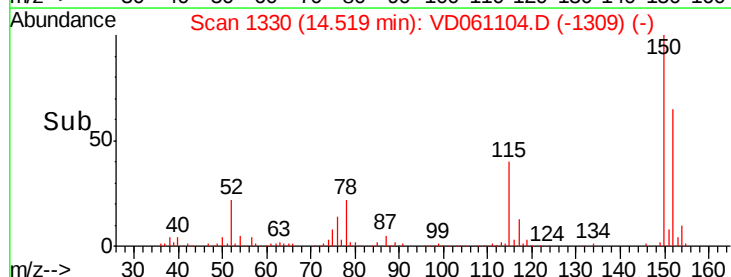
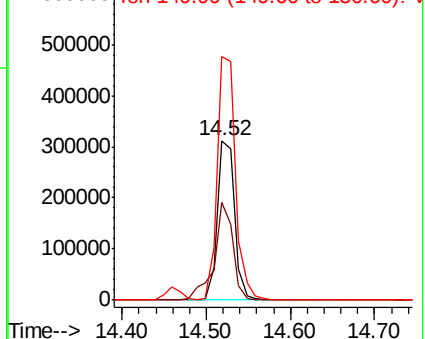
152 100

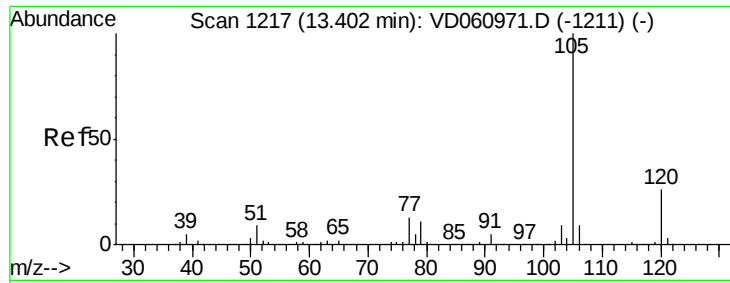
115 61.7 28.6 85.9

150 152.9 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: 20.938 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061104.D

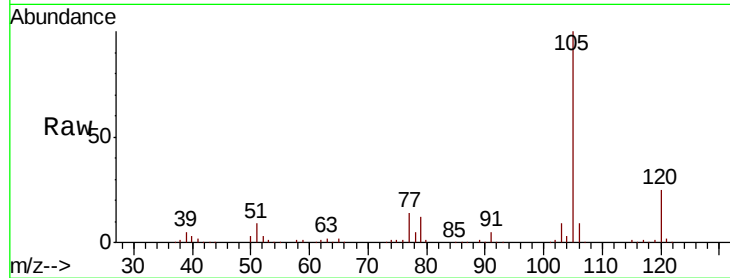
Acq: 16 Mar 2019 12:51

Tgt Ion: 105 Resp: 669328

Ion Ratio Lower Upper

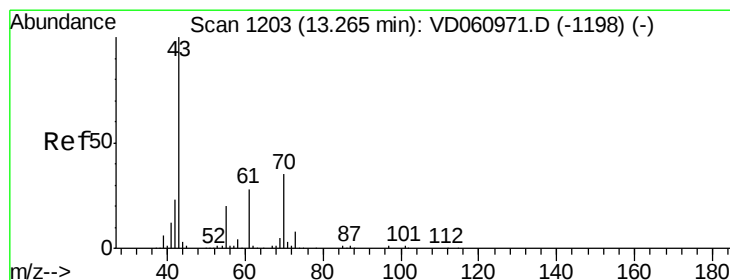
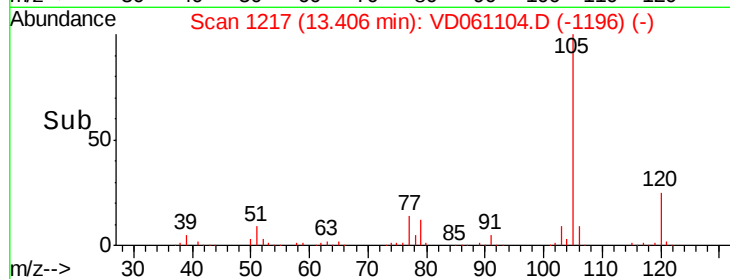
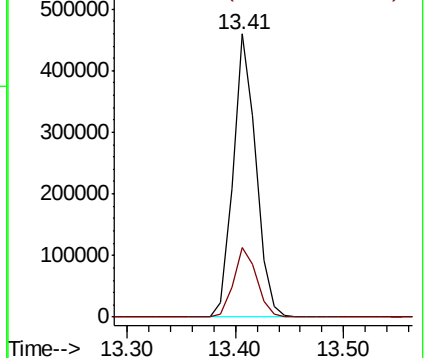
105 100

120 24.7 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: 20.053 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

Tgt Ion: 43 Resp: 180500

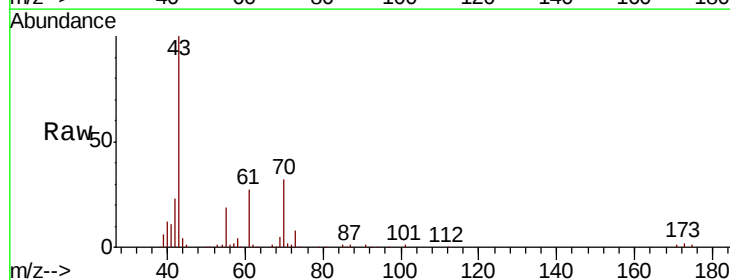
Ion Ratio Lower Upper

43 100

70 31.9 27.7 41.5

55 19.4 16.2 24.2

61 26.8 22.3 33.5

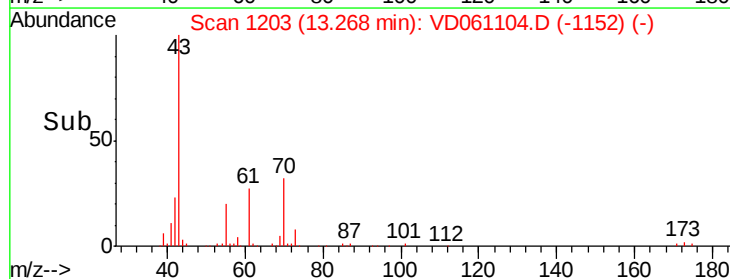
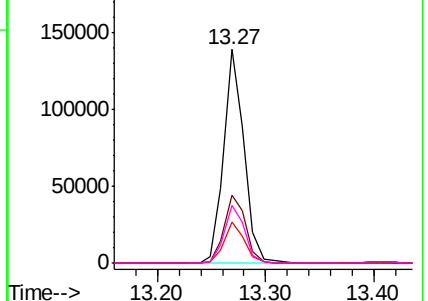


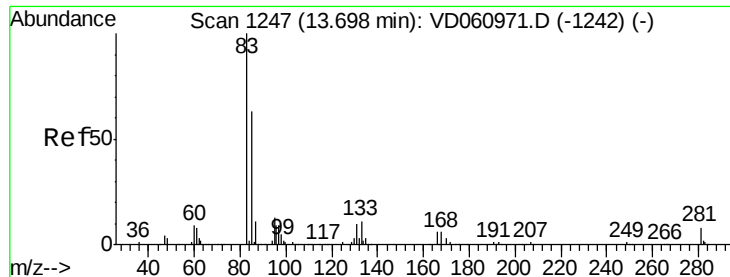
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.417 ug/l

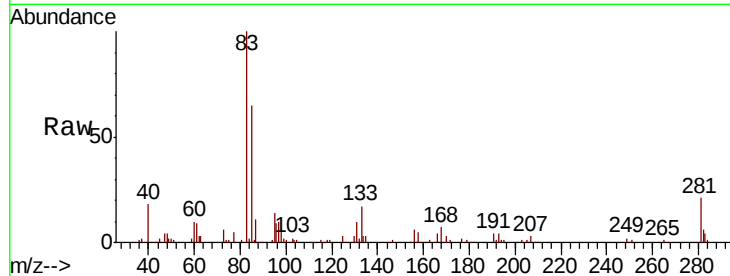
RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

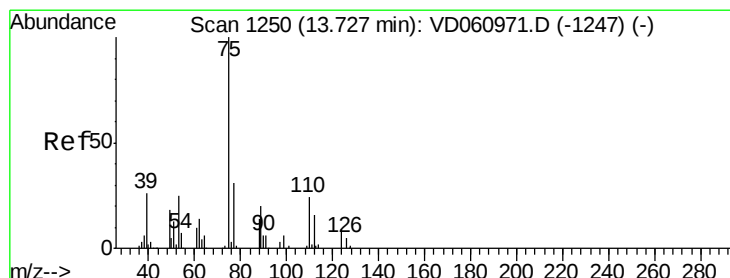
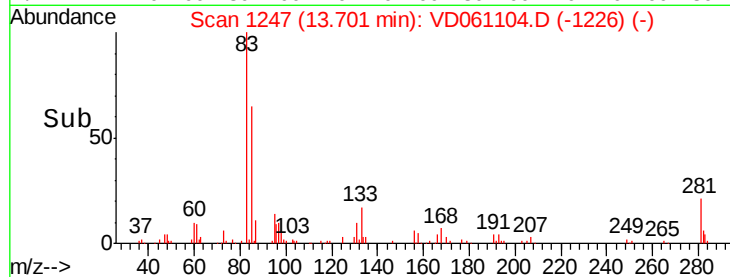
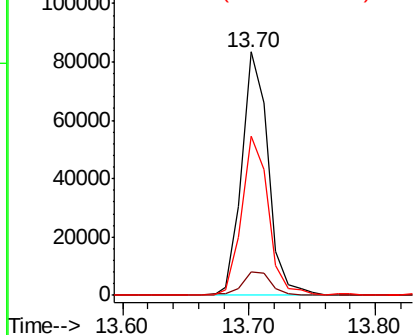
Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

Tgt Ion:	83	Resp:	121103
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	65.3	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: 19.549 ug/l

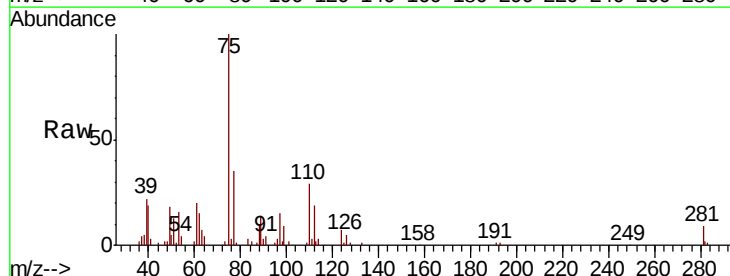
RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

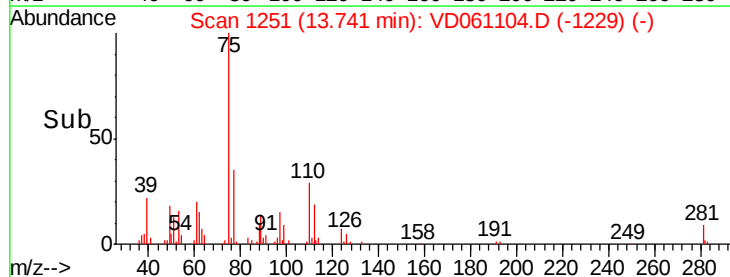
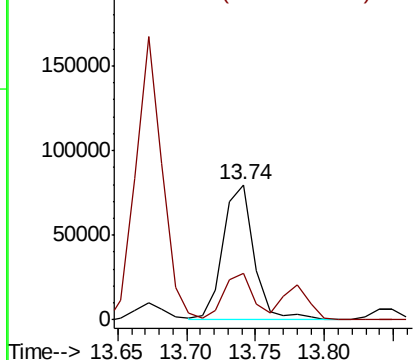
Lab File: VD061104.D

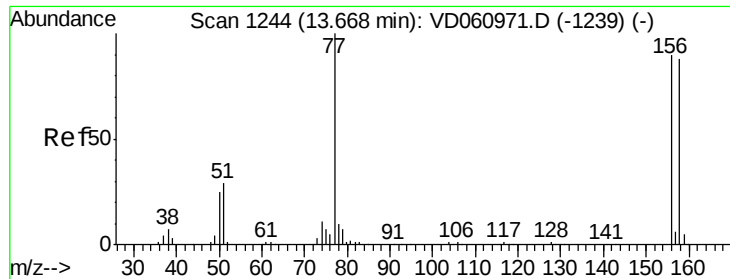
Acq: 16 Mar 2019 12:51

Tgt Ion:	75	Resp:	124754
Ion	Ratio	Lower	Upper
75	100		
77	34.6	16.6	49.7



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





#77

Bromobenzene

Concen: 21.461 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

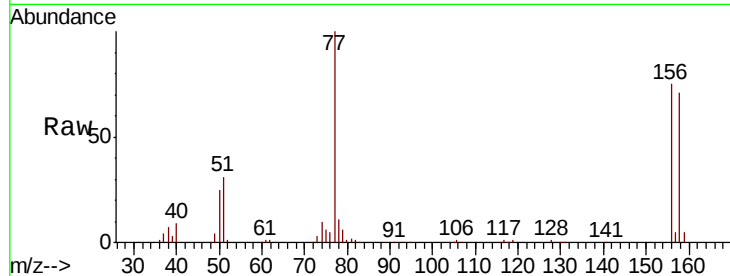
Tgt Ion: 156 Resp: 175130

Ion Ratio Lower Upper

156 100

77 133.3 55.5 166.7

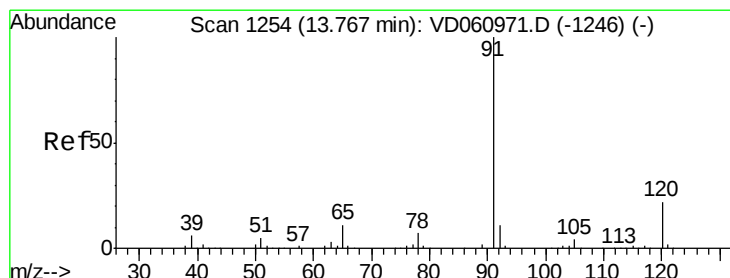
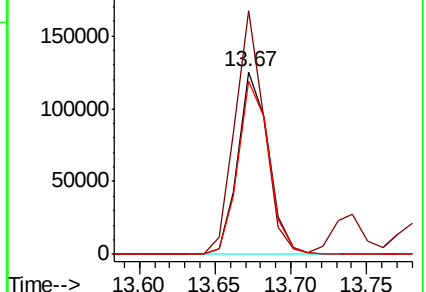
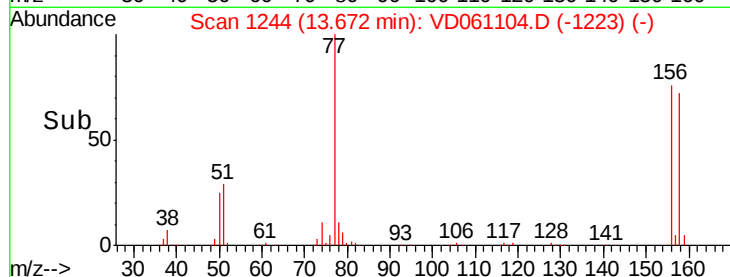
158 94.9 49.0 147.0



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: 21.364 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061104.D

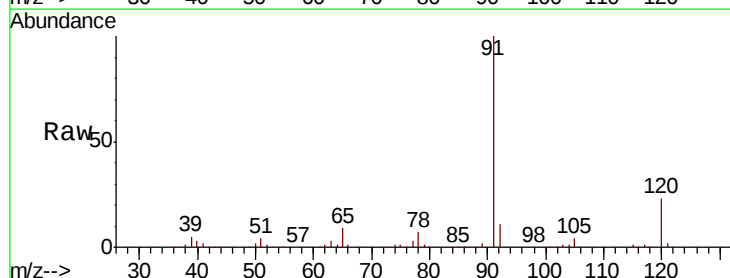
Acq: 16 Mar 2019 12:51

Tgt Ion: 91 Resp: 799509

Ion Ratio Lower Upper

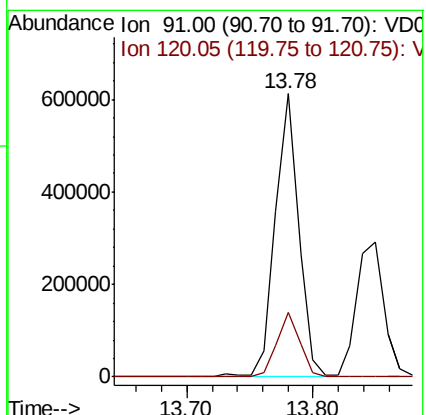
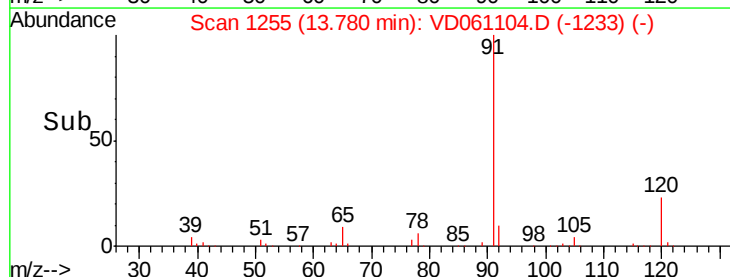
91 100

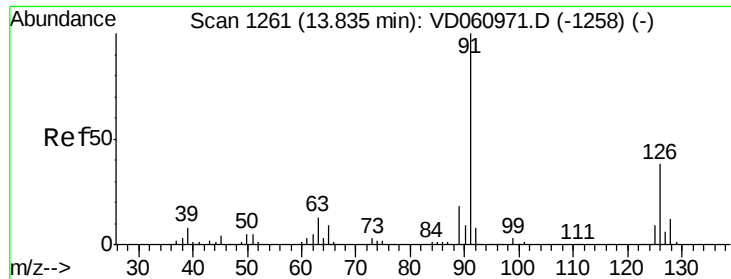
120 23.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

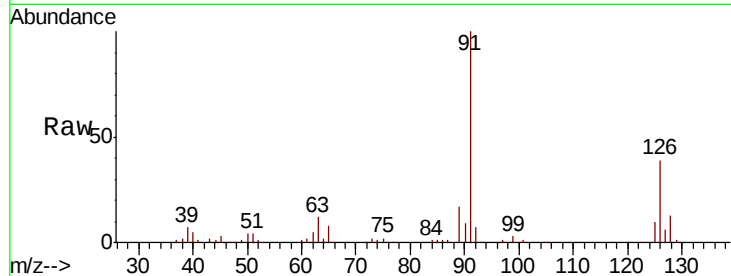
Ion 120.05 (119.75 to 120.75): V



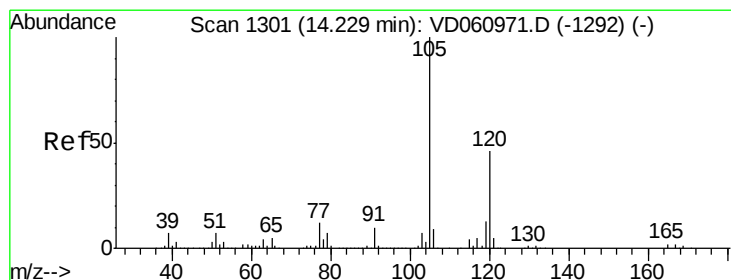
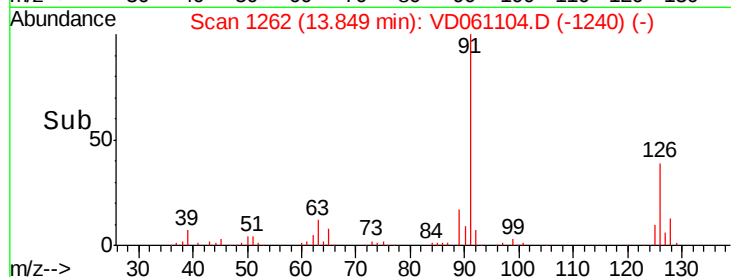
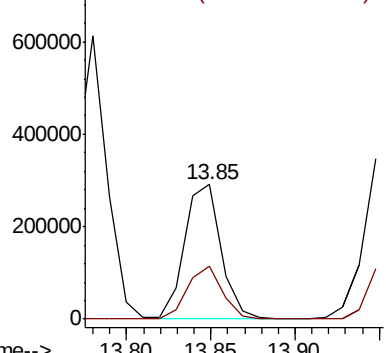


#79
 2-Chlorotoluene
 Concen: 21.097 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 91 Resp: 434670
 Ion Ratio Lower Upper
 91 100
 126 39.4 18.6 55.6

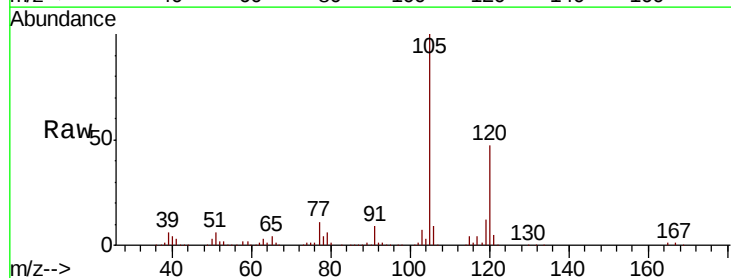


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

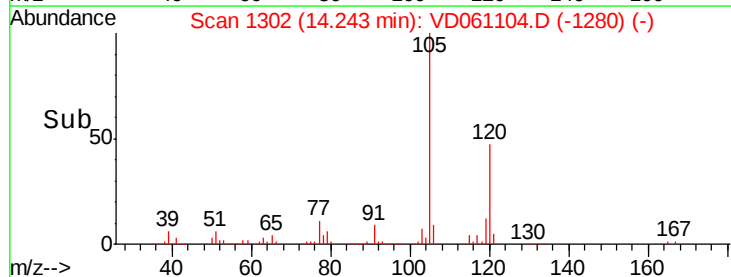
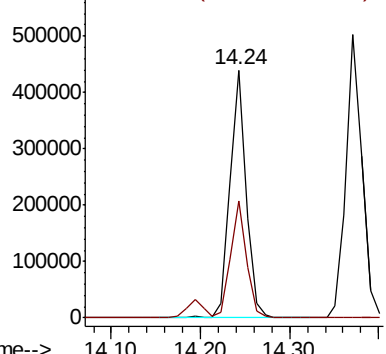


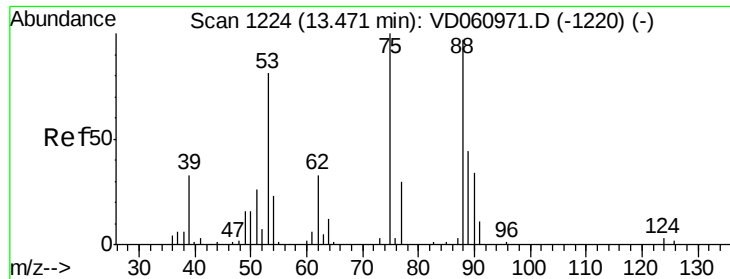
#80
 1,3,5-Trimethylbenzene
 Concen: 22.461 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion: 105 Resp: 545080
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.9 68.5



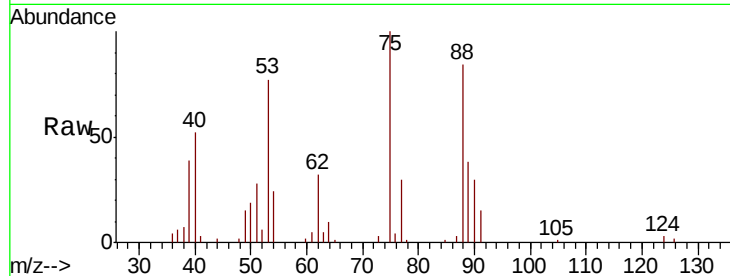
Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)



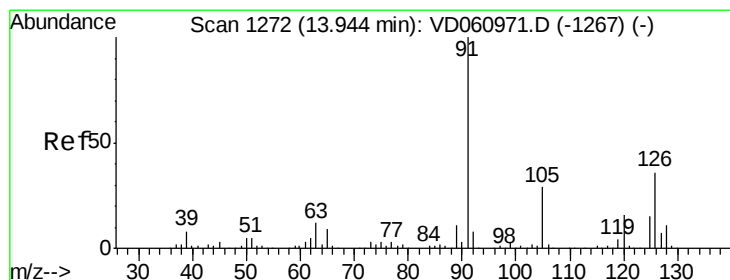
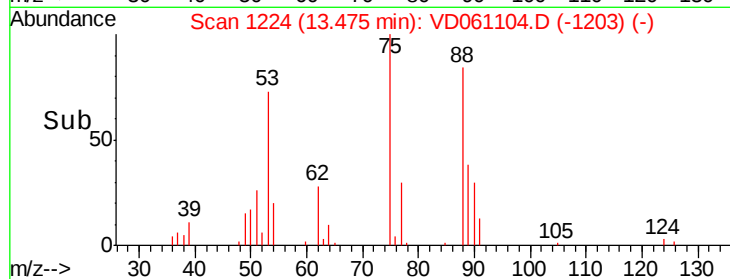
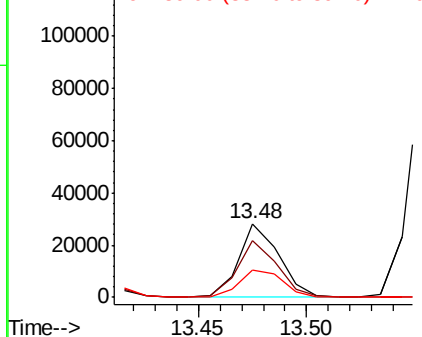


#81
trans-1,4-Dichloro-2-butene
Concen: 19.551 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 75 Resp: 36783
Ion Ratio Lower Upper
75 100
53 77.2 64.4 96.6
89 37.8 34.8 52.2

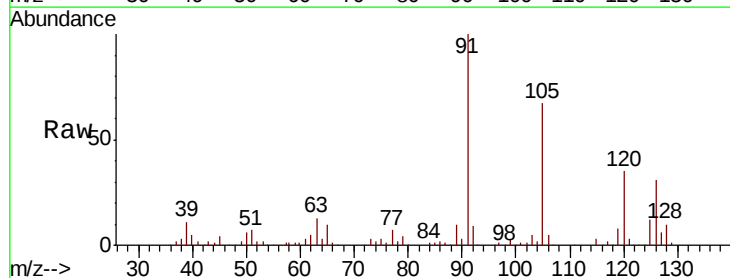


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

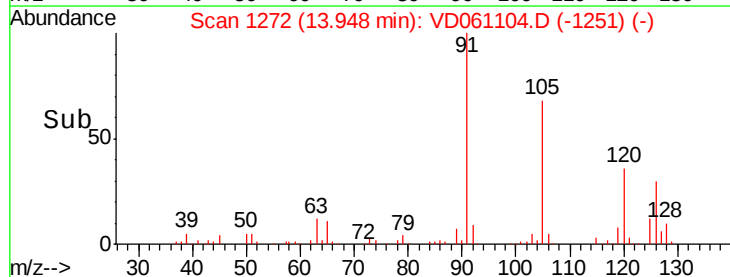
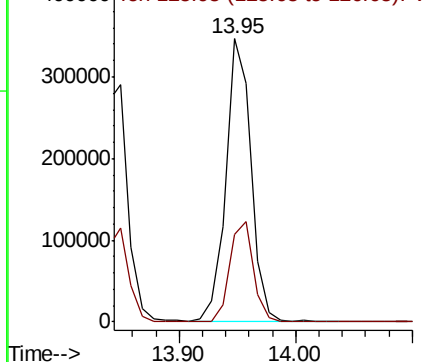


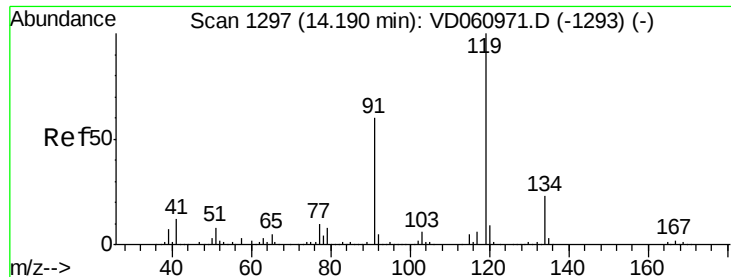
#82
4-Chlorotoluene
Concen: 21.061 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion: 91 Resp: 512975
Ion Ratio Lower Upper
91 100
126 31.2 18.0 54.0



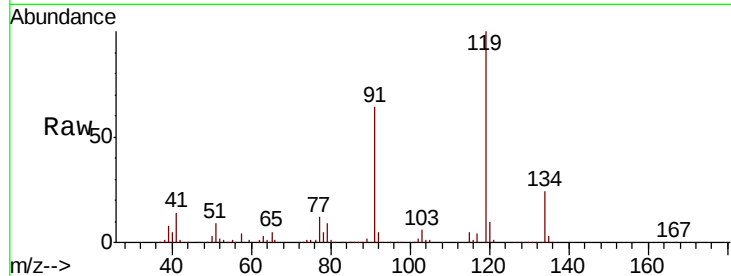
Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



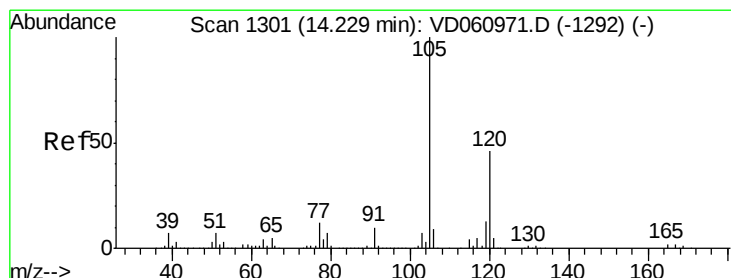
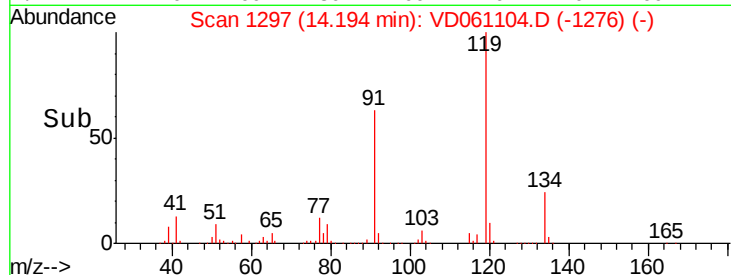
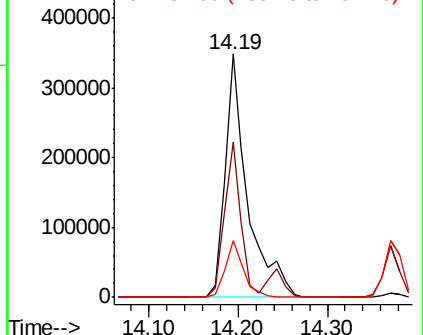


#83
 tert-Butylbenzene
 Concen: 23.220 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.1	90.3
134	23.5	11.6	34.7

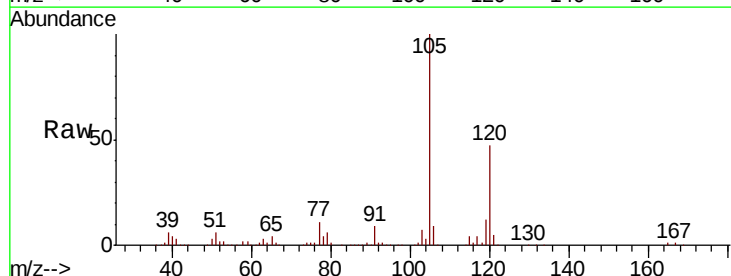


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

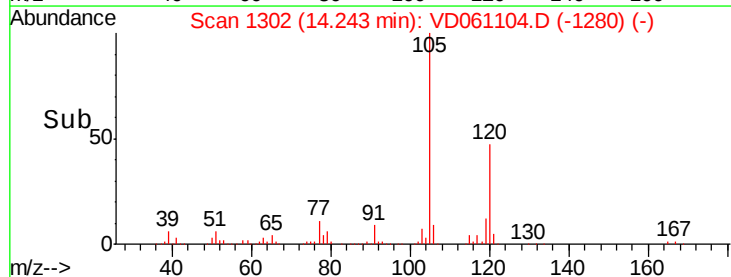
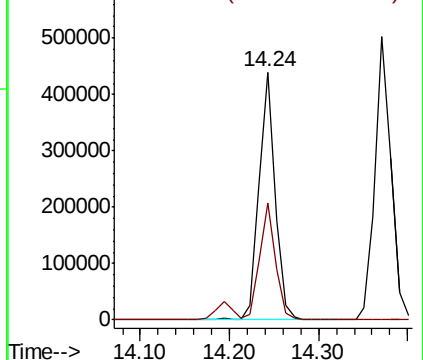


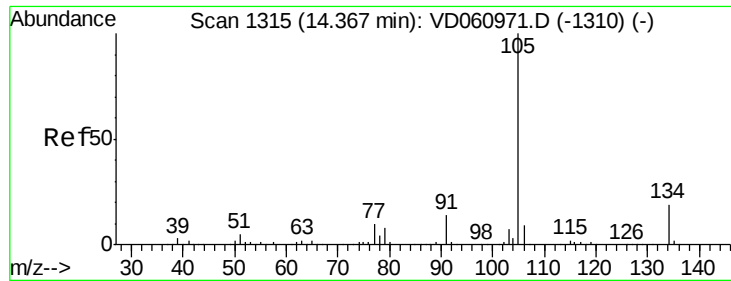
#84
 1,2,4-Trimethylbenzene
 Concen: 22.461 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.9	68.5



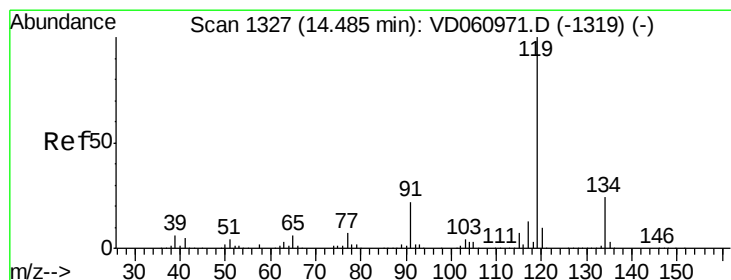
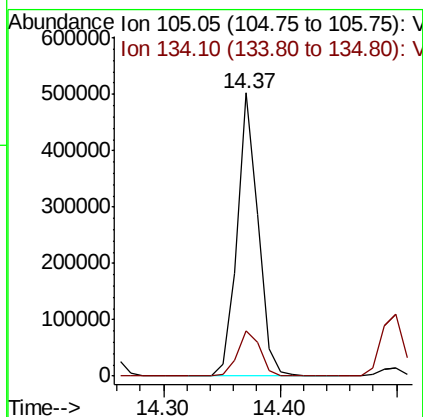
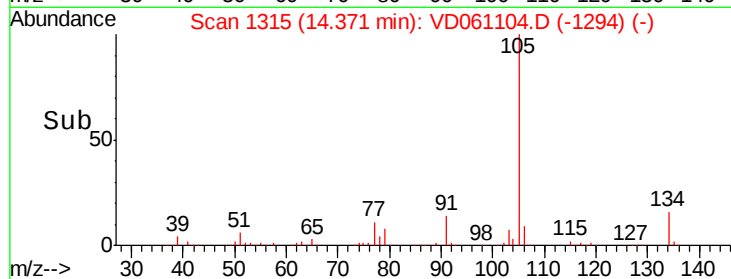
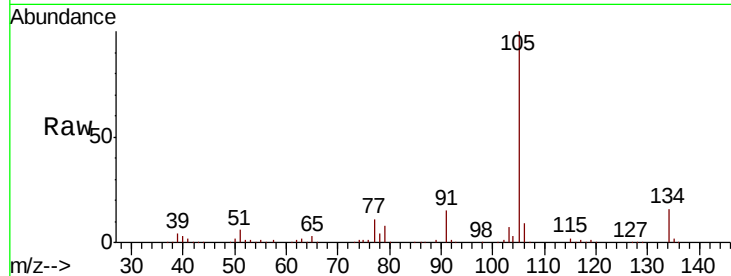
Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





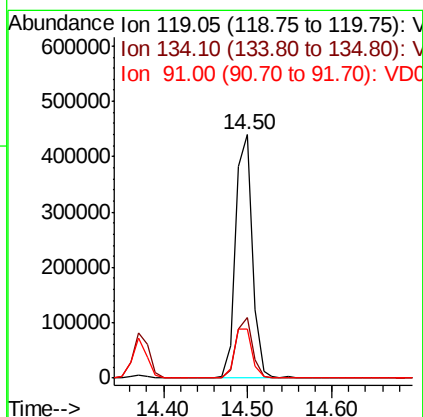
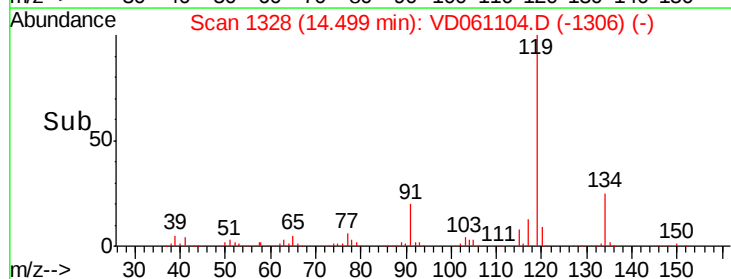
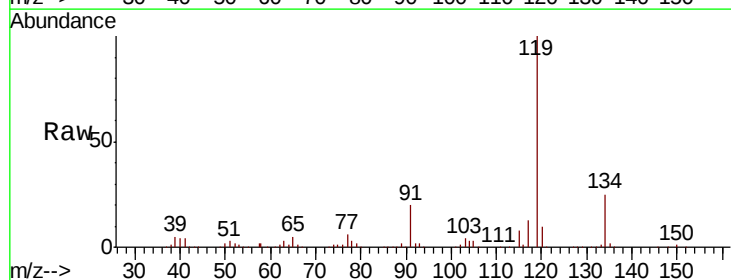
#85
 sec-Butylbenzene
 Concen: 19.180 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

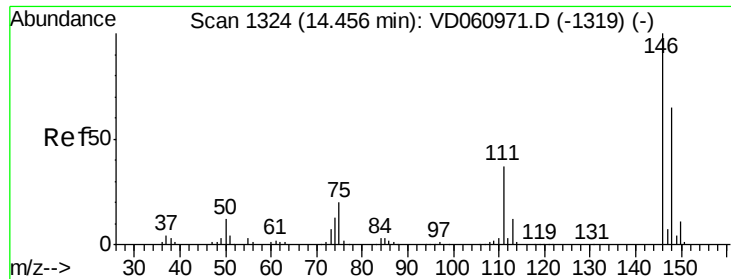
Tgt Ion:105 Resp: 621889
 Ion Ratio Lower Upper
 105 100
 134 16.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.936 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion:119 Resp: 607856
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.0 36.1
 91 20.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.746 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

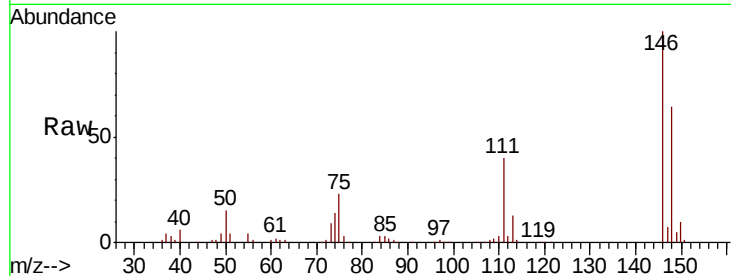
Tgt Ion:146 Resp: 316873

Ion Ratio Lower Upper

146 100

111 39.5 18.4 55.4

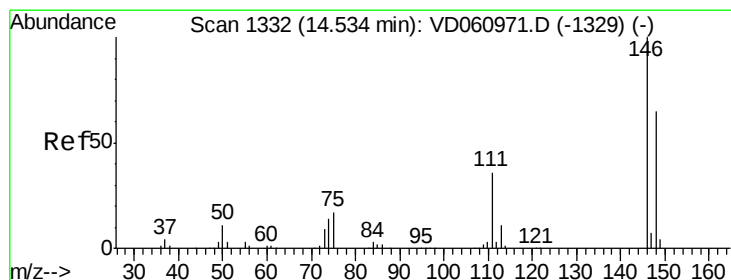
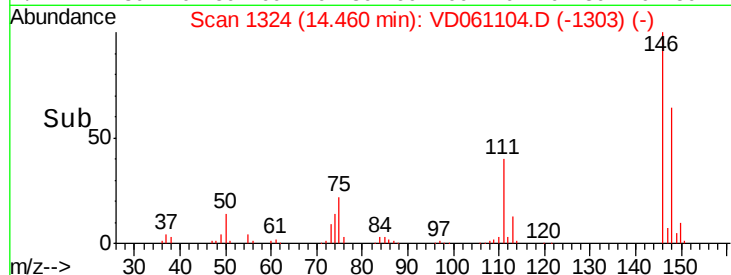
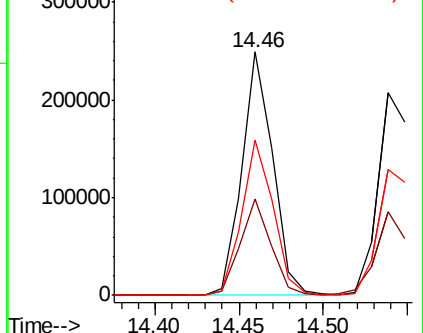
148 63.5 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.169 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD061104.D

Acq: 16 Mar 2019 12:51

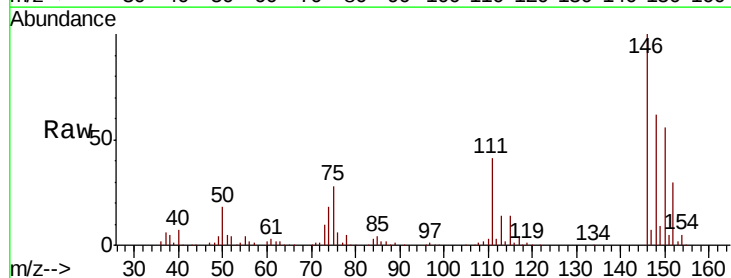
Tgt Ion:146 Resp: 288796

Ion Ratio Lower Upper

146 100

111 40.9 18.4 55.2

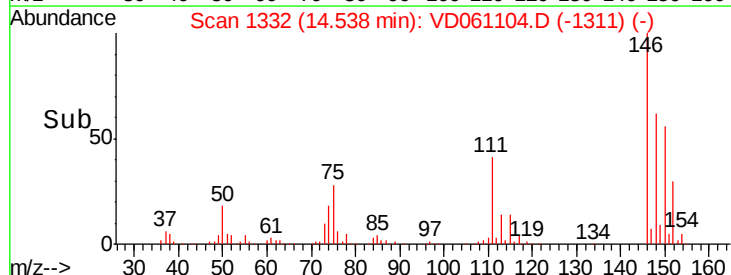
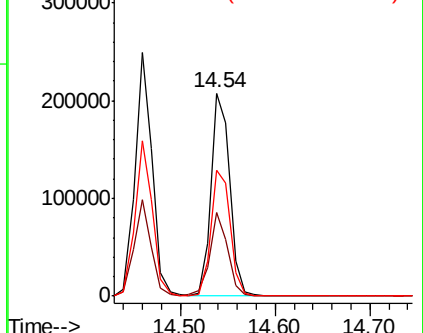
148 61.9 32.5 97.5

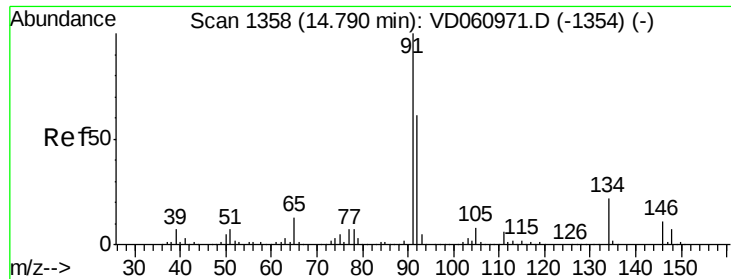


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

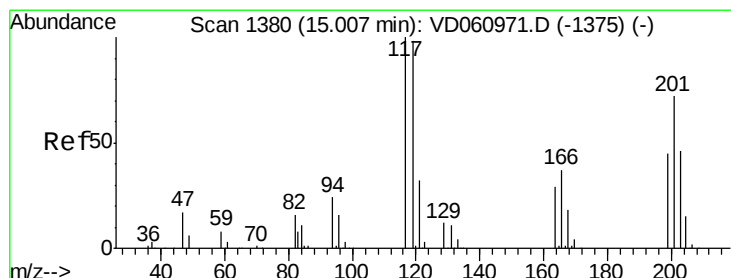
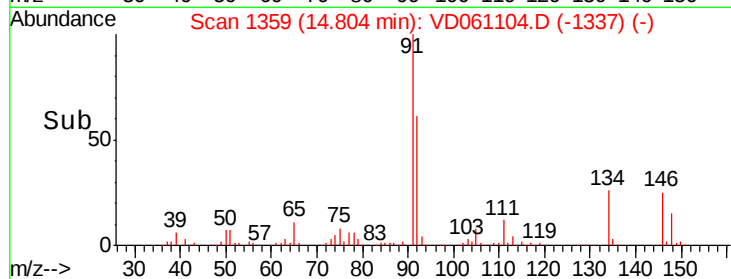
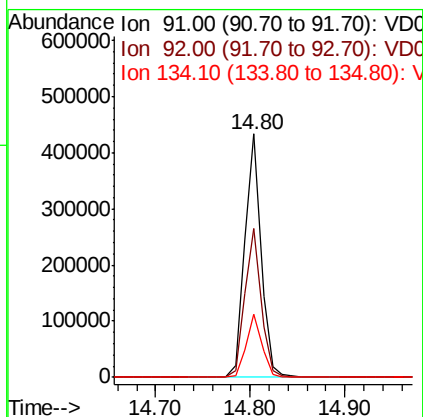
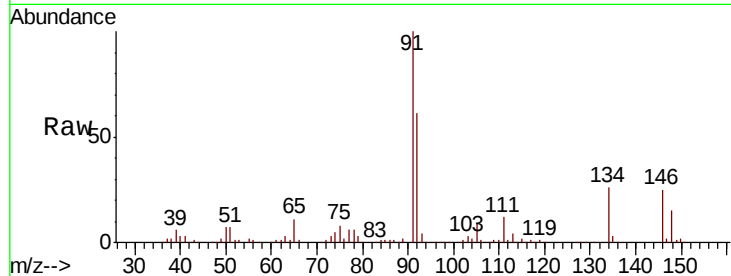
Ion 147.90 (147.60 to 148.60): V





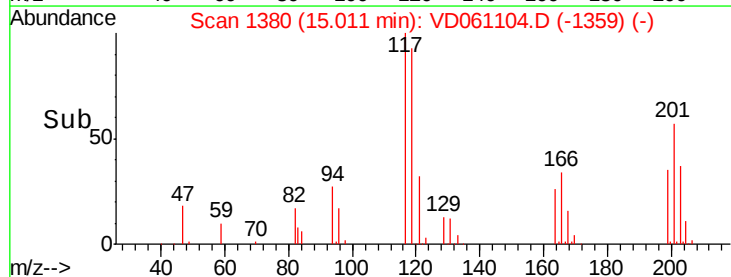
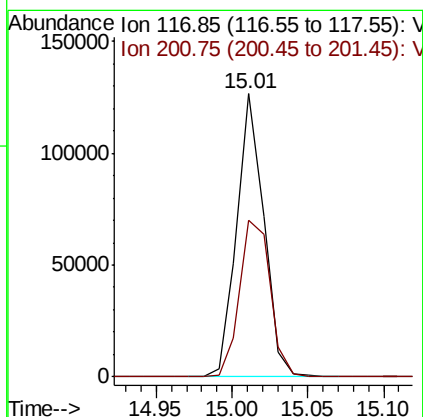
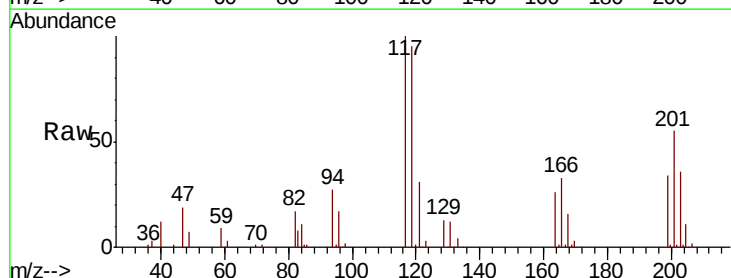
#89
n-Butylbenzene
Concen: 20.304 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

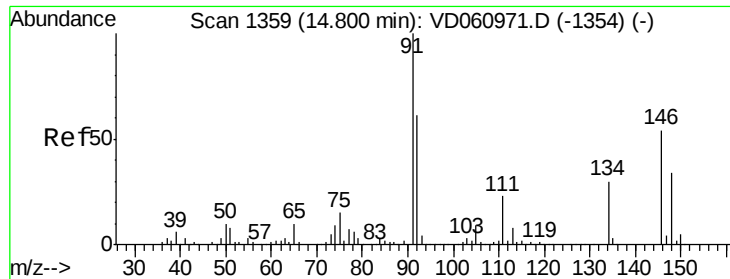
Tgt Ion: 91 Resp: 516747
Ion Ratio Lower Upper
91 100
92 61.0 30.6 91.8
134 26.2 11.0 33.0



#90
Hexachloroethane
Concen: 20.975 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

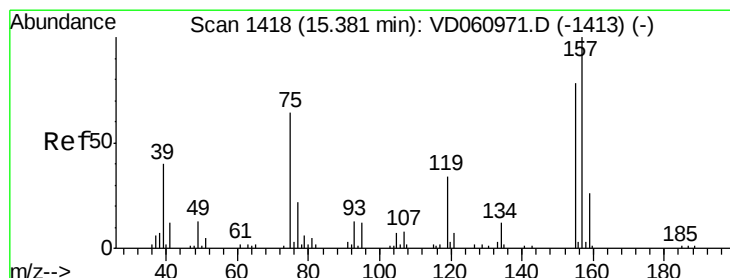
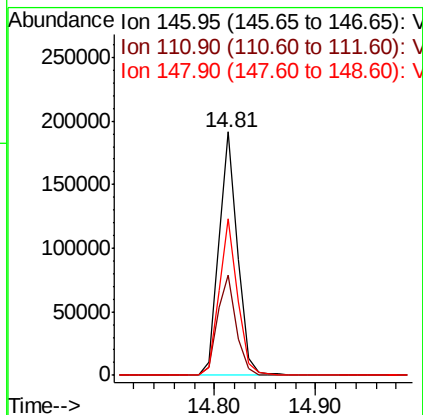
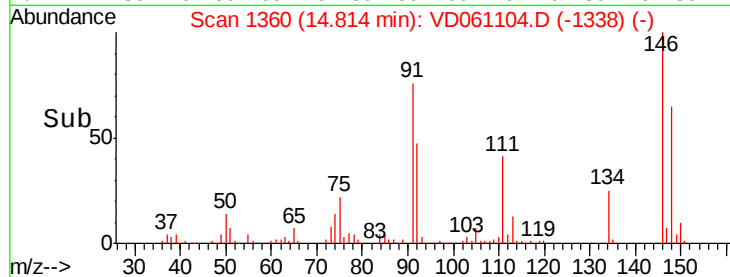
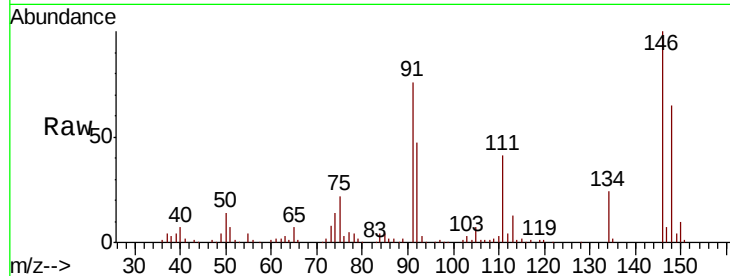
Tgt Ion: 117 Resp: 156970
Ion Ratio Lower Upper
117 100
201 55.4 36.2 108.6





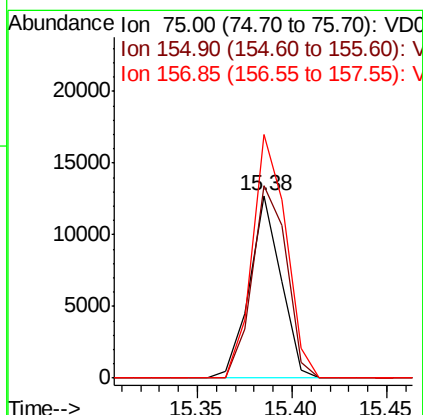
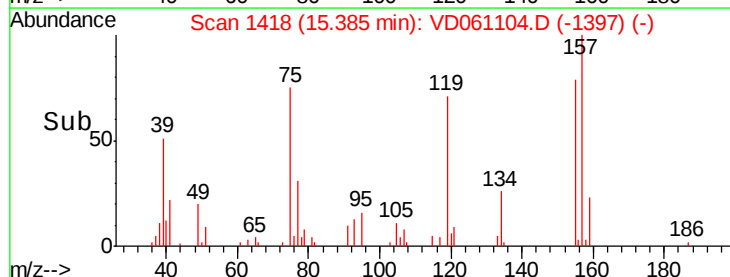
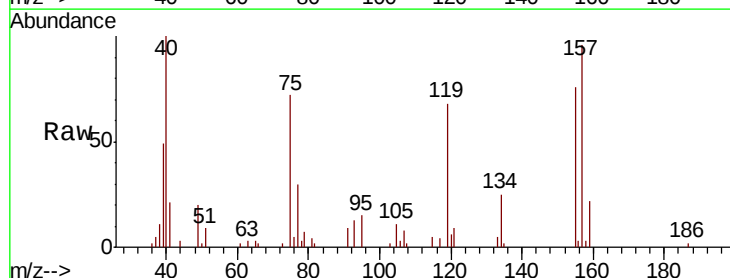
#91
 1,2-Dichlorobenzene
 Concen: 20.452 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

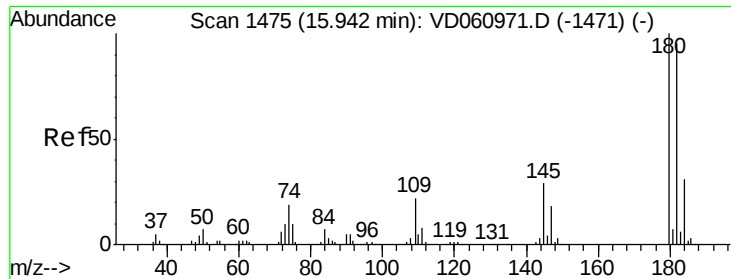
Tgt Ion: 146 Resp: 248439
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.5 64.5
 148 64.5 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.709 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

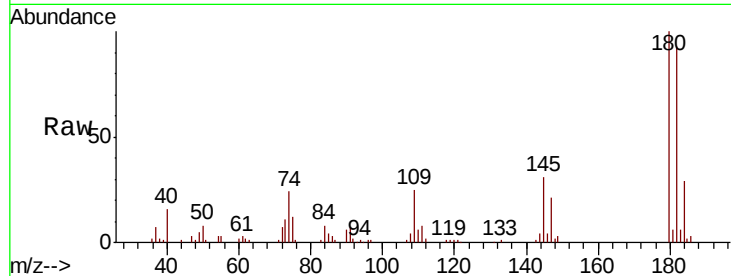
Tgt Ion: 75 Resp: 14813
 Ion Ratio Lower Upper
 75 100
 155 105.2 61.2 183.5
 157 133.4 78.3 234.8



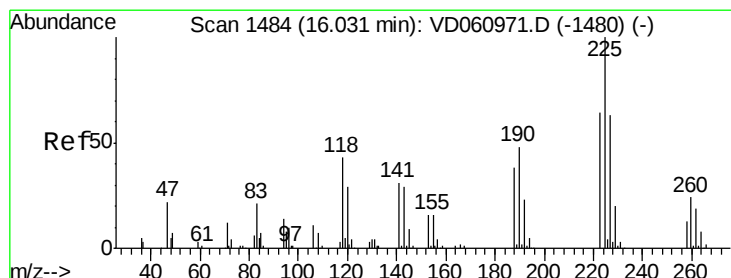
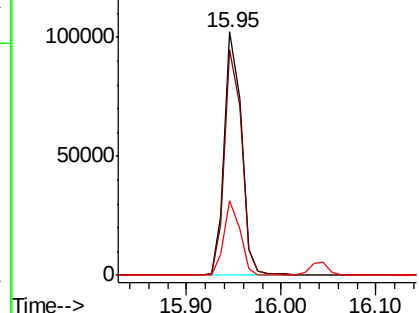
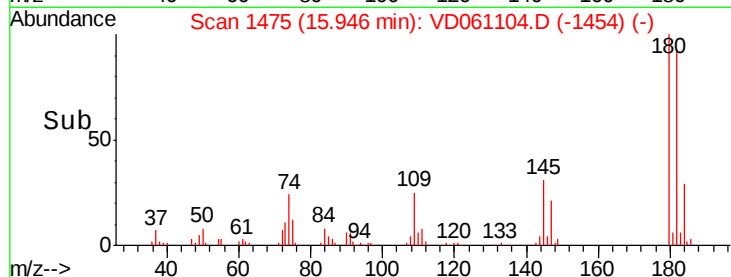


#93
 1,2,4-Trichlorobenzene
 Concen: 22.891 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.3	142.0
145	30.9	14.4	43.0

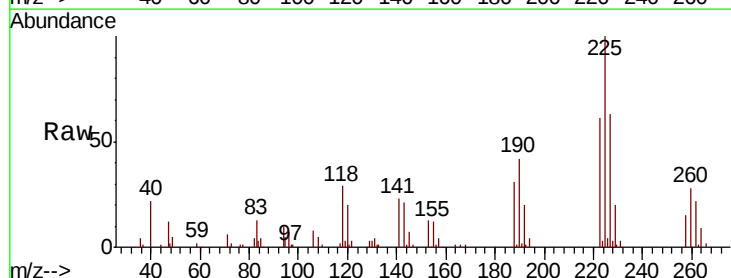


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

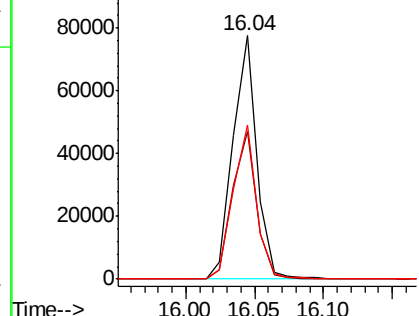
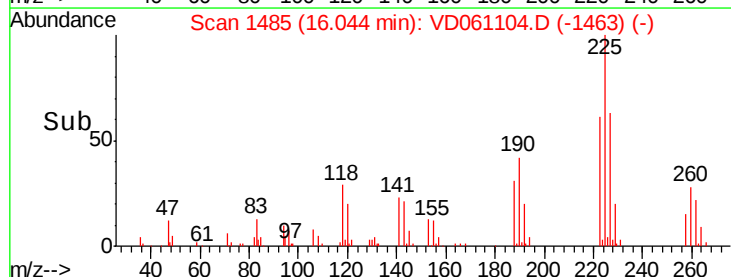


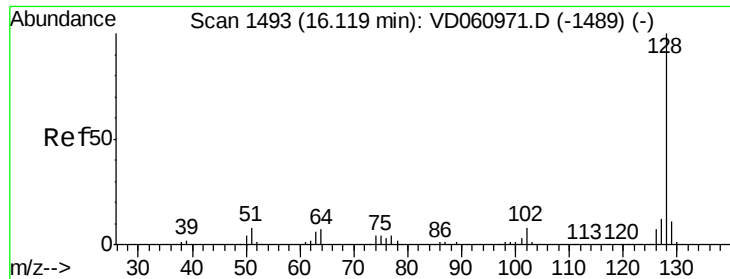
#94
 Hexachlorobutadiene
 Concen: 21.831 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061104.D
 Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.8	95.3
227	63.1	31.4	94.0



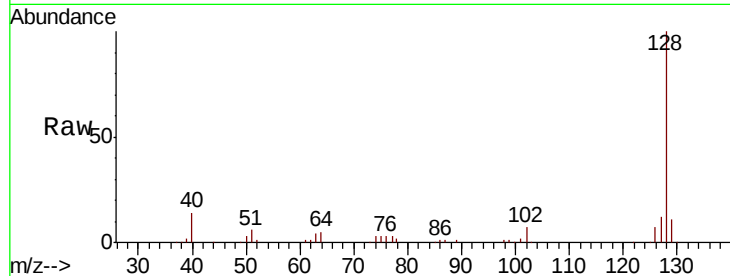
Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V



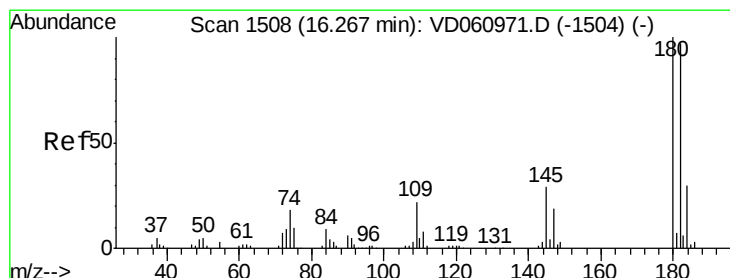
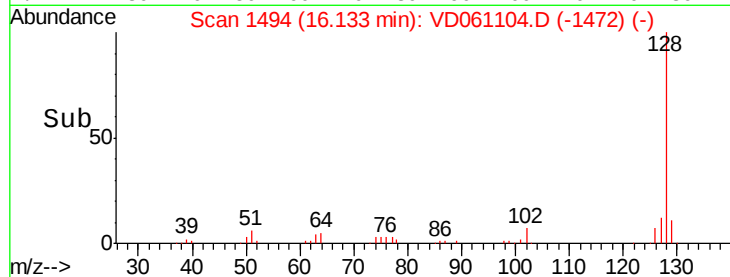
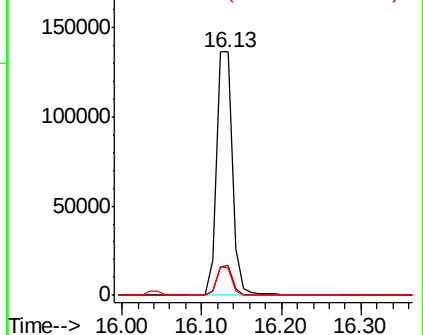


#95
Naphthalene
Concen: 22.678 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.8
129	11.1	8.5	12.7

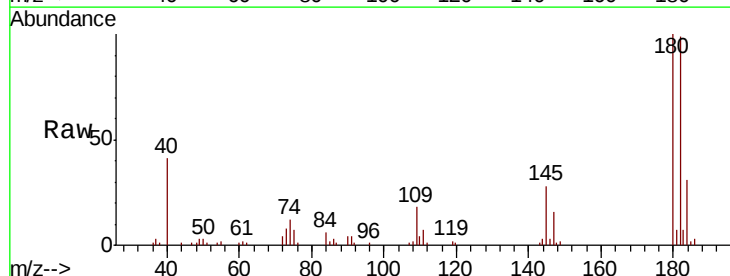


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.494 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061104.D
Acq: 16 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.6	145.8
145	28.3	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

