

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061039.D
 Acq On : 13 Mar 2019 13:50
 Operator : VA/AP
 Sample : VD0313SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 02:00:03 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	7.03	168	729810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1261205	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1060017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	464524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	303438	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	6.92	113	483754	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.40	98	1190561	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	13.55	95	440653	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	148060	20.481	ug/l	98
3) Chloromethane	1.76	50	128033	21.260	ug/l	98
4) Vinyl Chloride	1.86	62	117798	21.169	ug/l	99
5) Bromomethane	2.15	94	19084	16.686	ug/l	90
6) Chloroethane	2.26	64	30834	18.512	ug/l	97
7) Trichlorofluoromethane	2.53	101	158560	19.835	ug/l	96
8) Diethyl Ether	2.88	74	54362	20.614	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	179839	20.122	ug/l	97
10) Methyl Iodide	3.31	142	216577	19.498	ug/l	99
11) Tert butyl alcohol	4.07	59	39130	101.180	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	143495	19.588	ug/l	98
13) Acrolein	3.04	56	49222	87.964	ug/l	99
14) Allyl chloride	3.62	41	219741	18.747	ug/l	95
15) Acrylonitrile	4.19	53	143406	104.917	ug/l	98
16) Acetone	3.21	43	170656	98.239	ug/l	96
17) Carbon Disulfide	3.37	76	488715	19.776	ug/l	98
18) Methyl Acetate	3.64	43	65108	19.045	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	263837	20.550	ug/l	95
20) Methylene Chloride	3.81	84	183773	20.445	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	158045	19.932	ug/l	93
22) Diisopropyl ether	5.11	45	492481	20.240	ug/l	99
23) Vinyl Acetate	5.05	43	1328598	106.366	ug/l	100
24) 1,1-Dichloroethane	4.98	63	277224	20.794	ug/l	99
25) 2-Butanone	6.06	43	224993	114.141	ug/l	100
26) 2,2-Dichloropropane	6.01	77	220391	21.176	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	185016	21.992	ug/l	96
28) Bromochloromethane	6.43	49	103601	18.356	ug/l	90
29) Tetrahydrofuran	6.44	42	105764	98.812	ug/l	96
30) Chloroform	6.66	83	284913	20.620	ug/l	99
31) Cyclohexane	6.95	56	235388	21.897	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	242397	20.292	ug/l	98
36) 1,1-Dichloropropene	7.14	75	216940	19.955	ug/l	99
37) Ethyl Acetate	6.17	43	97705	19.152	ug/l #	98
38) Carbon Tetrachloride	7.10	117	251350	20.989	ug/l	98

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 Sample : VD0313SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 02:00:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	229848	20.390	ug/l	96
40) Benzene	7.45	78	535152	19.700	ug/l	97
41) Methacrylonitrile	6.43	41	116019	19.772	ug/l	96
42) 1,2-Dichloroethane	7.57	62	161157	20.443	ug/l	99
43) Isopropyl Acetate	9.23	43	138366	19.582	ug/l #	98
44) Trichloroethene	8.53	130	189909	20.264	ug/l	99
45) 1,2-Dichloropropane	8.92	63	146541	20.533	ug/l	100
46) Dibromomethane	9.05	93	92713	20.480	ug/l	97
47) Bromodichloromethane	9.37	83	209924	20.549	ug/l	99
48) Methyl methacrylate	9.11	41	79621	20.014	ug/l	98
49) 1,4-Dioxane	9.07	88	16126	400.864	ug/l	92
51) 4-Methyl-2-Pentanone	10.29	43	435748	100.664	ug/l	97
52) Toluene	10.50	92	335510	19.862	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	184014	19.699	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	235271	20.962	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	116484	20.707	ug/l	95
56) Ethyl methacrylate	11.03	69	119116	20.230	ug/l	98
57) 1,3-Dichloropropane	11.39	76	181856	21.632	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	308583	99.007	ug/l	100
59) 2-Hexanone	11.52	43	331850	104.802	ug/l	99
60) Dibromochloromethane	11.67	129	175919	21.249	ug/l	99
61) 1,2-Dibromoethane	11.80	107	135284	20.673	ug/l	98
64) Tetrachloroethene	11.25	164	142801	19.957	ug/l	94
65) Chlorobenzene	12.39	112	422800	20.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	153856	20.771	ug/l	98
67) Ethyl Benzene	12.52	91	633620	20.481	ug/l	99
68) m/p-Xylenes	12.66	106	496339	40.875	ug/l	100
69) o-Xylene	13.04	106	222669	18.655	ug/l	95
70) Styrene	13.07	104	373419	19.159	ug/l	98
71) Bromoform	13.23	173	94133	19.699	ug/l	99
73) Isopropylbenzene	13.39	105	581536	17.371	ug/l	98
74) N-amyl acetate	13.26	43	179833	19.078	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	131821	20.182	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	129162	19.327	ug/l	99
77) Bromobenzene	13.66	156	172213	20.152	ug/l	86
78) n-propylbenzene	13.77	91	759732	19.385	ug/l	96
79) 2-Chlorotoluene	13.84	91	454815	21.079	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	555225	21.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	40886	20.751	ug/l	100
82) 4-Chlorotoluene	13.93	91	481605	18.881	ug/l	91
83) tert-Butylbenzene	14.18	119	615745	22.138	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	555225	21.847	ug/l	99
85) sec-Butylbenzene	14.36	105	708215	20.858	ug/l	96
86) p-Isopropyltoluene	14.49	119	615124	22.163	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	315846	20.698	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	311689	20.786	ug/l	98
89) n-Butylbenzene	14.79	91	510374	19.149	ug/l	98
90) Hexachloroethane	15.00	117	146861	18.739	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	257037	20.205	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15322	19.467	ug/l	68

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Sample : VD0313SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

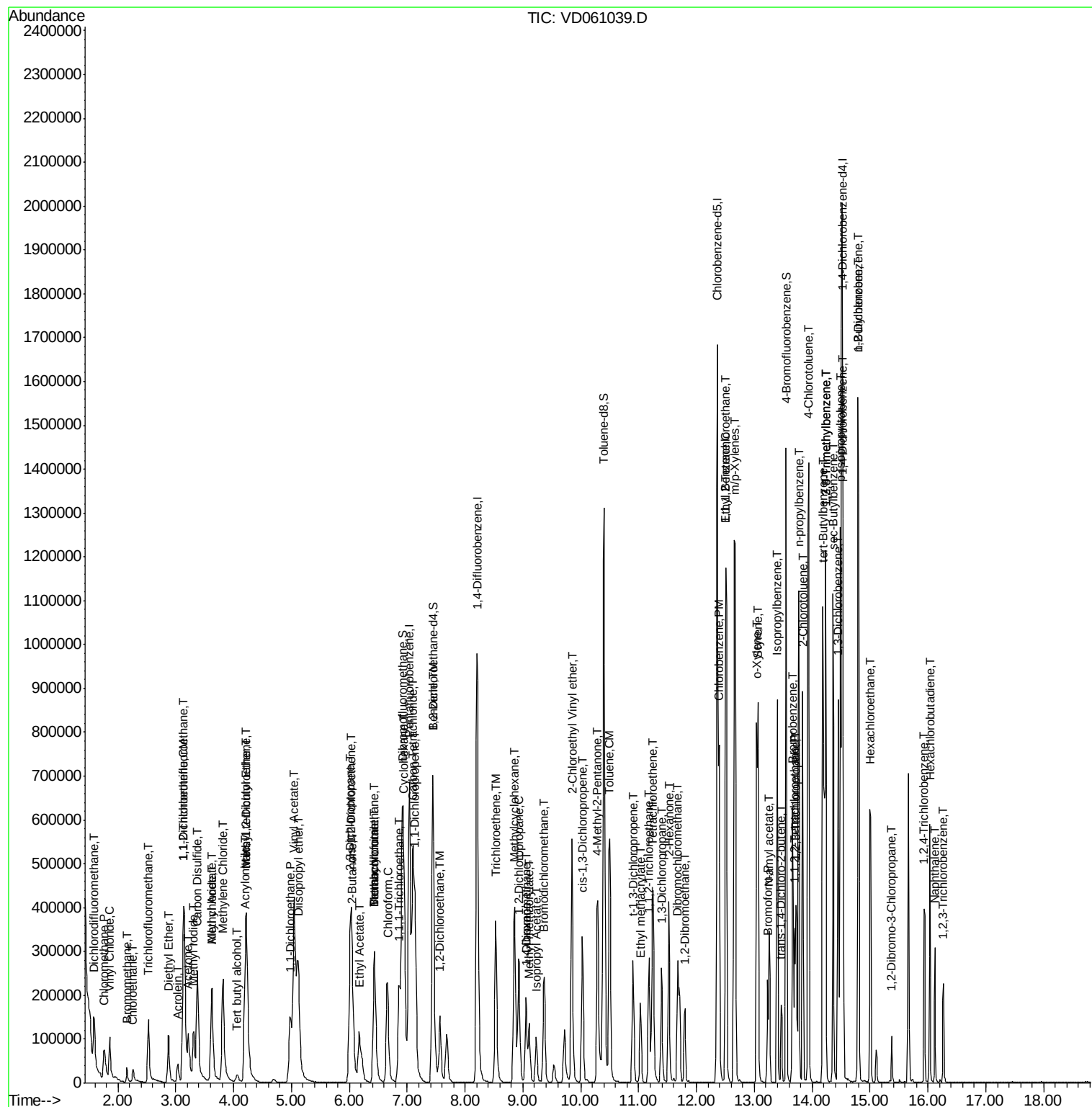
Quant Time: Mar 14 02:00:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
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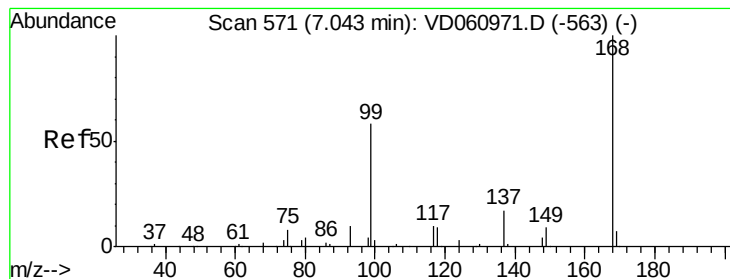
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	115152	19.513	ug/l	97
94) Hexachlorobutadiene	16.03	225	89330	20.012	ug/l	95
95) Naphthalene	16.12	128	188959	21.070	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	60547	20.773	ug/l	97

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061039.D

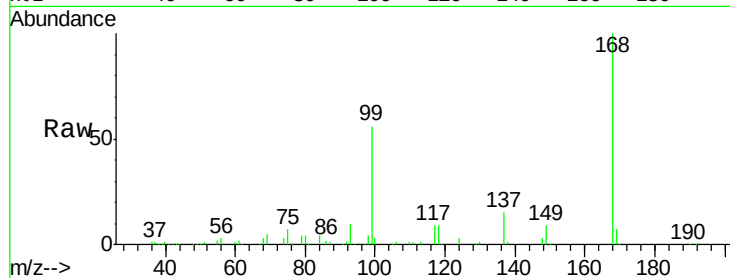
Acq: 13 Mar 2019 13:50

Tot Ion:168 Resp: 729810

Ion Ratio Lower Upper

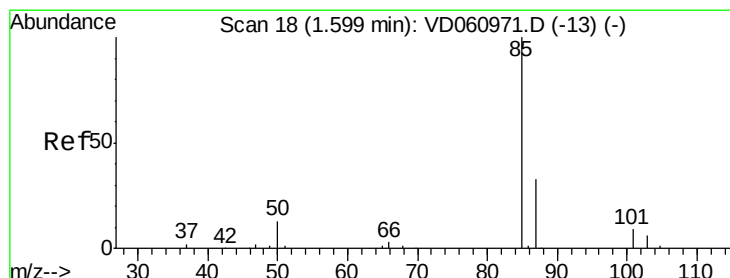
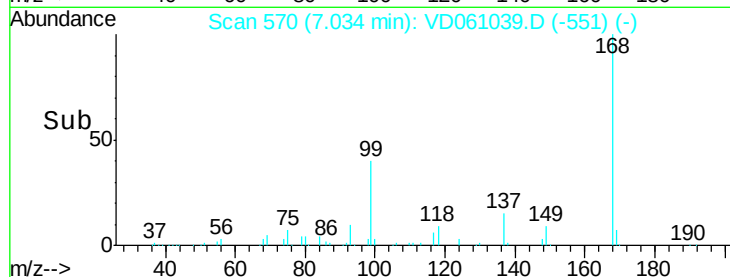
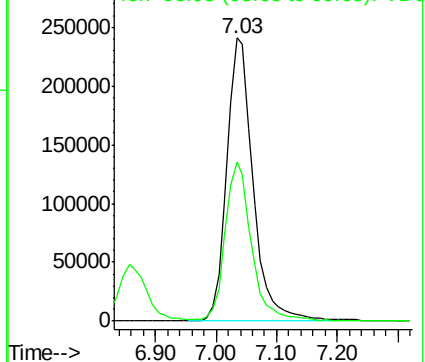
168 100

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



#2

Dichlorodifluoromethane

Concen: 20.481 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061039.D

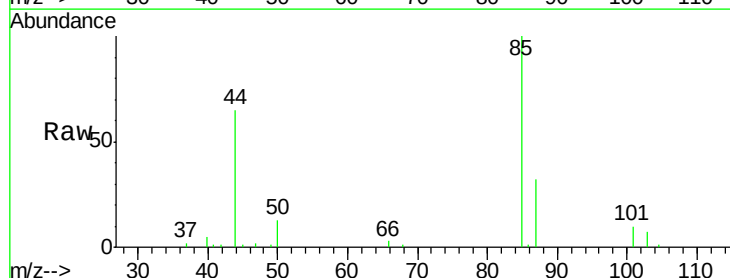
Acq: 13 Mar 2019 13:50

Tgt Ion: 85 Resp: 148060

Ion Ratio Lower Upper

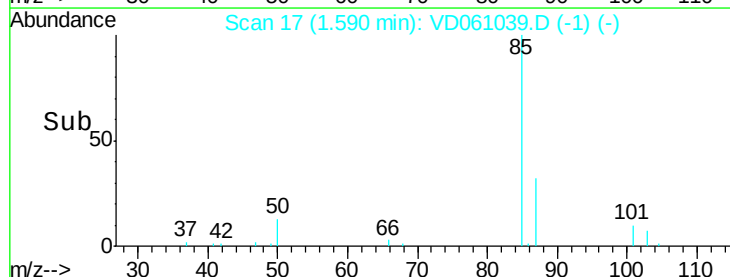
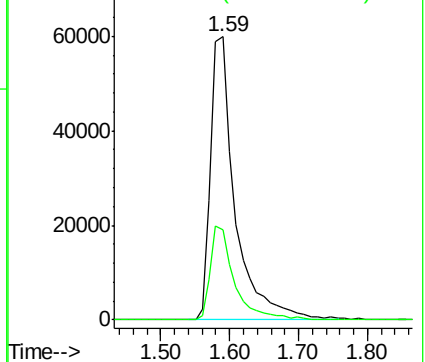
85 100

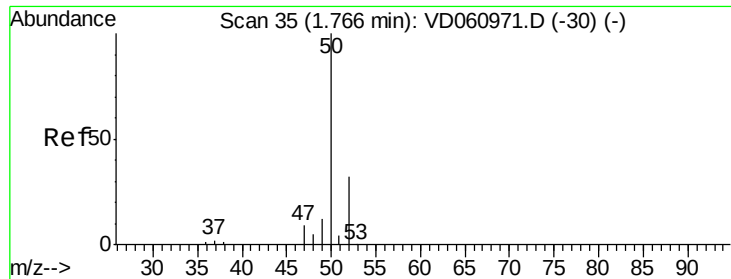
87 32.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.260 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061039.D

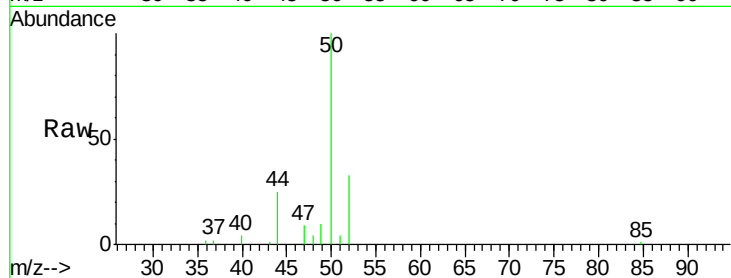
Acq: 13 Mar 2019 13:50

Tot Ion: 50 Resp: 128033

Ion Ratio Lower Upper

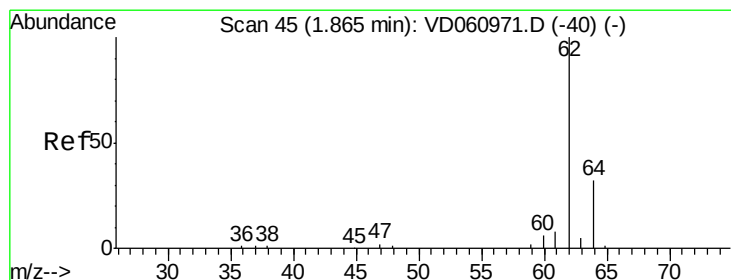
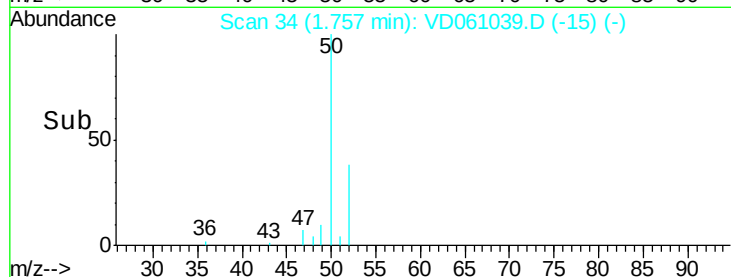
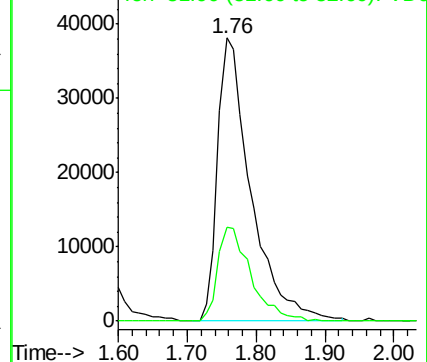
50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.169 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061039.D

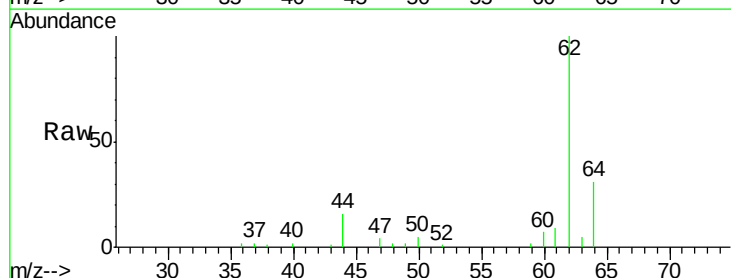
Acq: 13 Mar 2019 13:50

Tgt Ion: 62 Resp: 117798

Ion Ratio Lower Upper

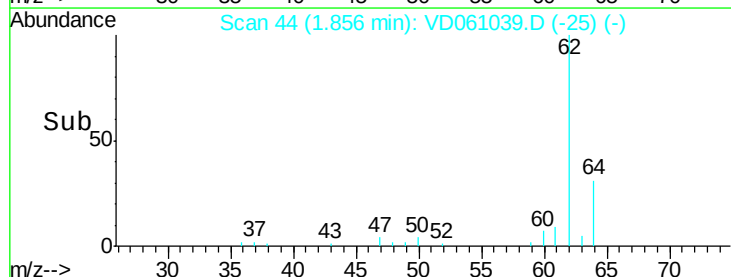
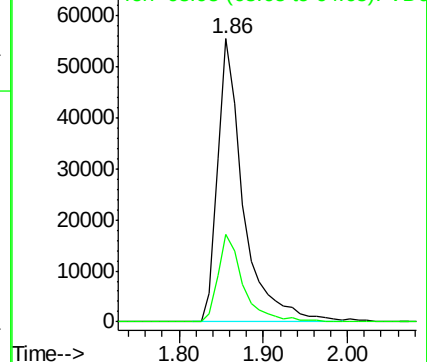
62 100

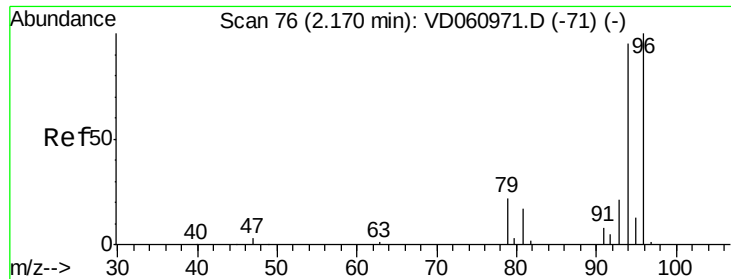
64 30.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.686 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

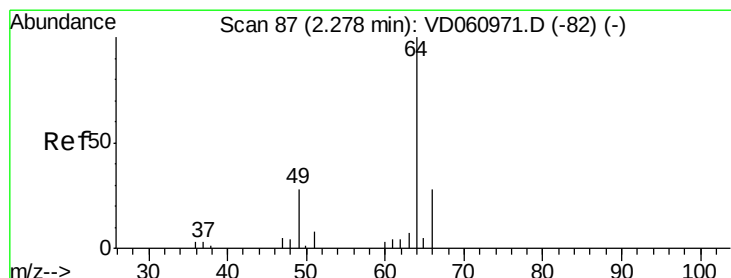
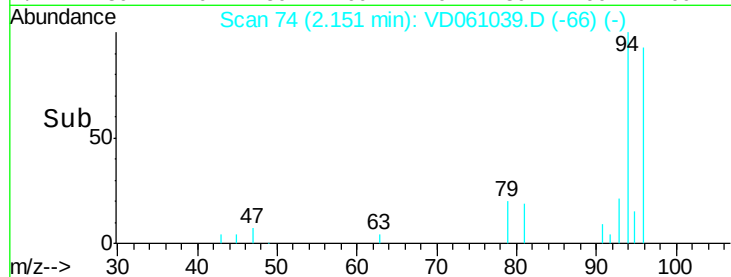
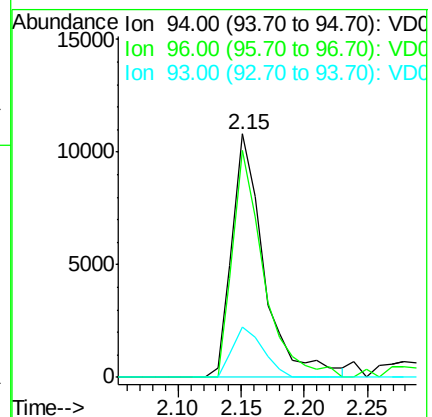
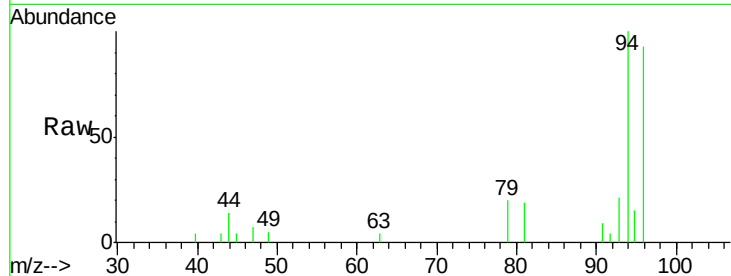
Tot Ion: 94 Resp: 19084

Ion Ratio Lower Upper

94 100

96 93.1 84.0 126.0

93 20.5 17.3 25.9



#6

Chloroethane

Concen: 18.512 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061039.D

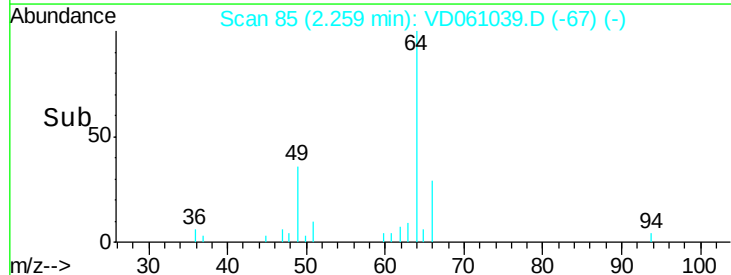
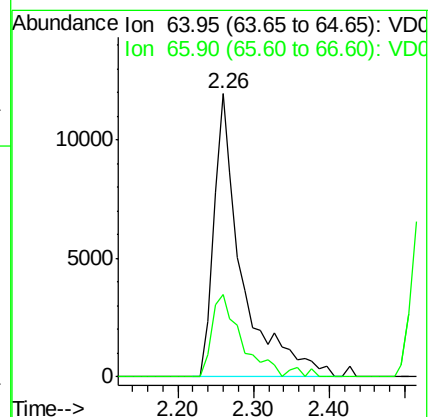
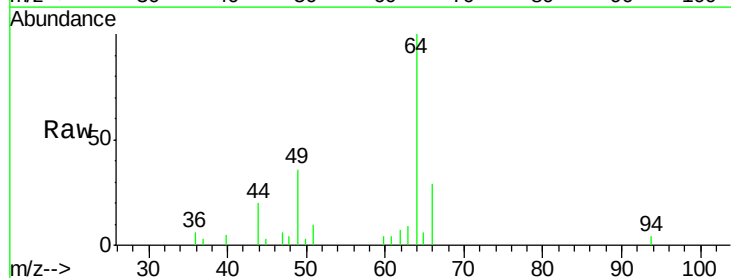
Acq: 13 Mar 2019 13:50

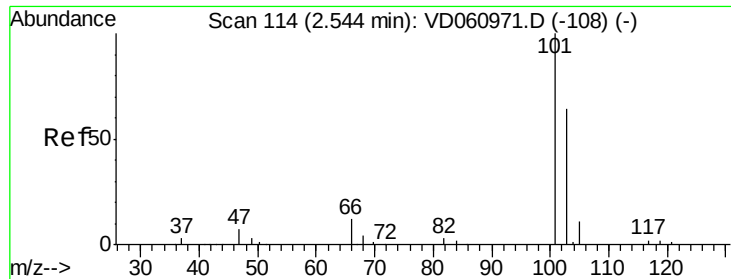
Tgt Ion: 64 Resp: 30834

Ion Ratio Lower Upper

64 100

66 29.1 22.2 33.2

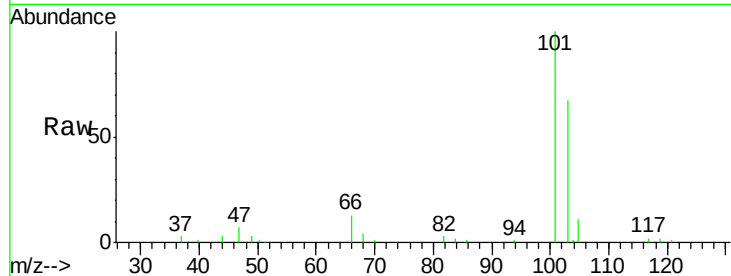




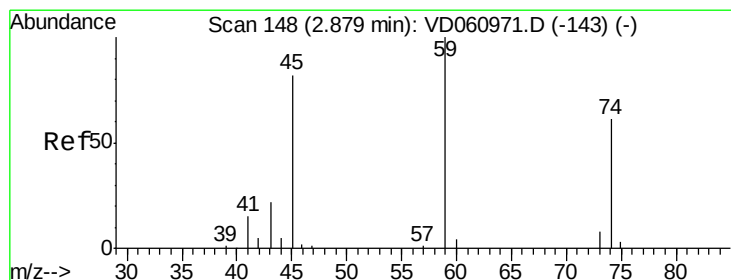
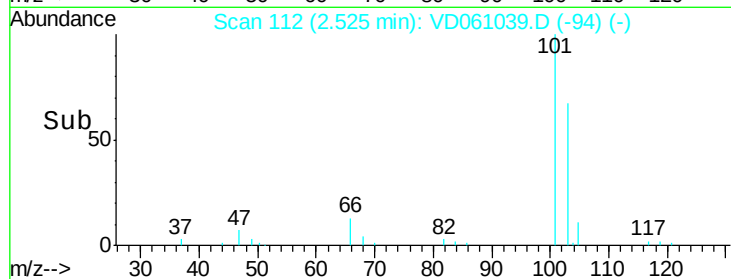
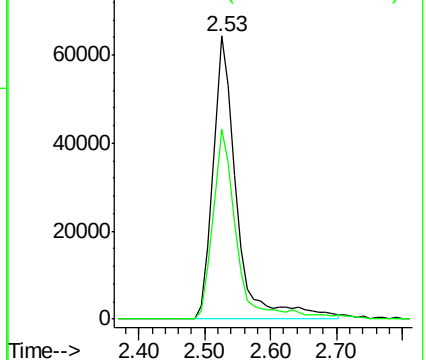
#7

Trichlorofluoromethane
Concen: 19.835 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion:101 Resp: 158560
Ion Ratio Lower Upper
101 100
103 67.1 51.2 76.8



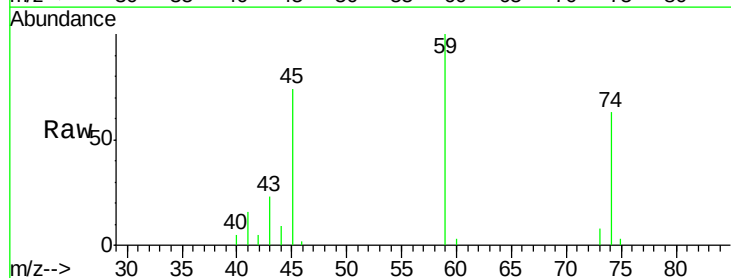
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



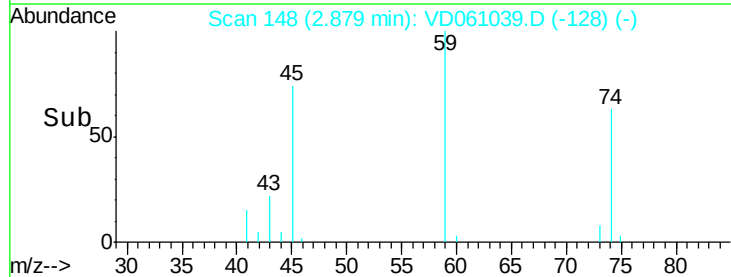
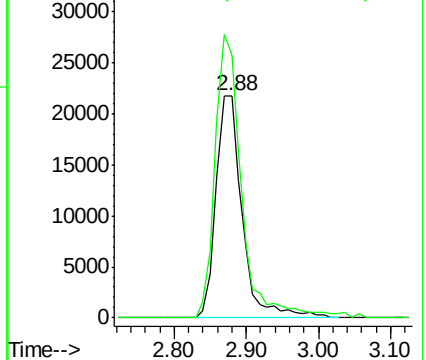
#8

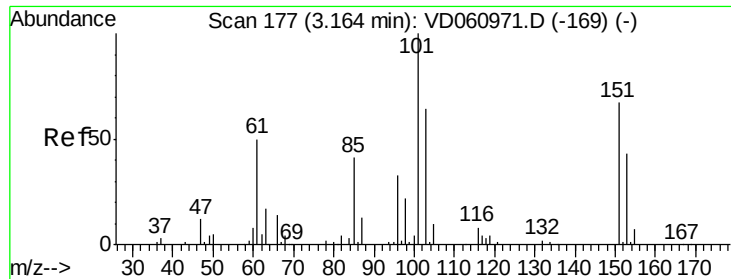
Diethyl Ether
Concen: 20.614 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion: 74 Resp: 54362
Ion Ratio Lower Upper
74 100
45 118.2 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.122 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

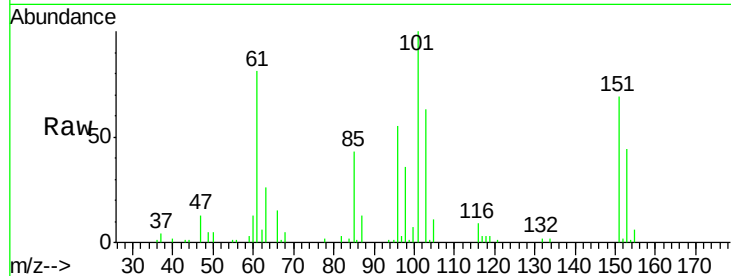
Tot Ion:101 Resp: 179839

Ion Ratio Lower Upper

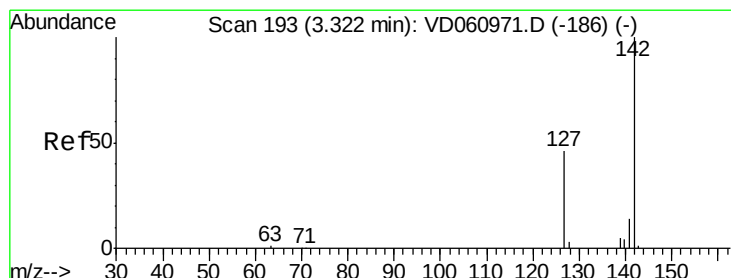
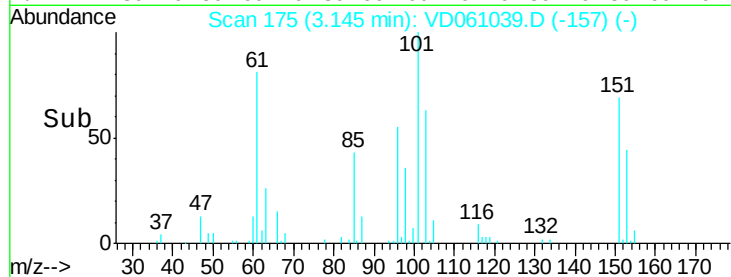
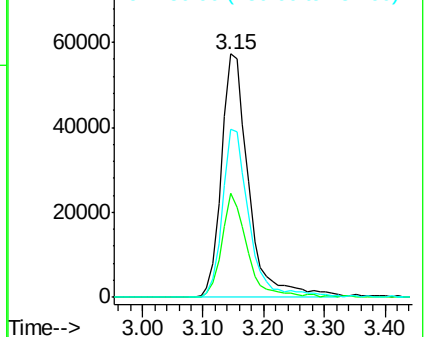
101 100

85 42.7 32.5 48.7

151 69.1 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: 19.498 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

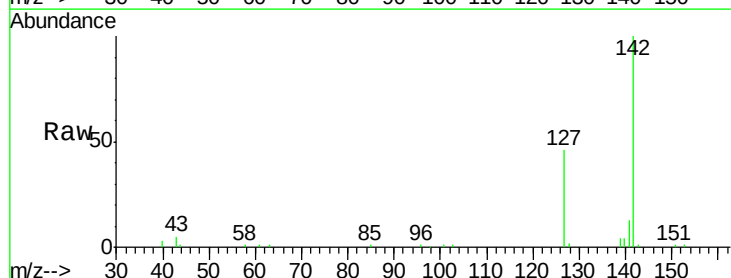
Tgt Ion:142 Resp: 216577

Ion Ratio Lower Upper

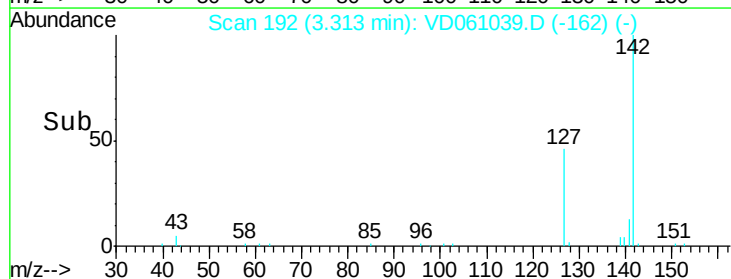
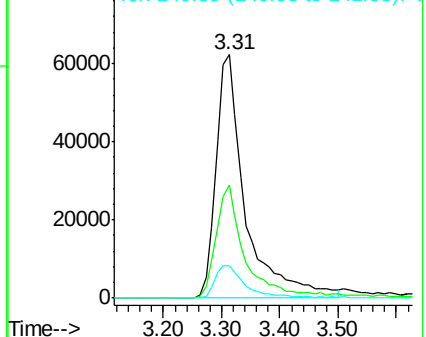
142 100

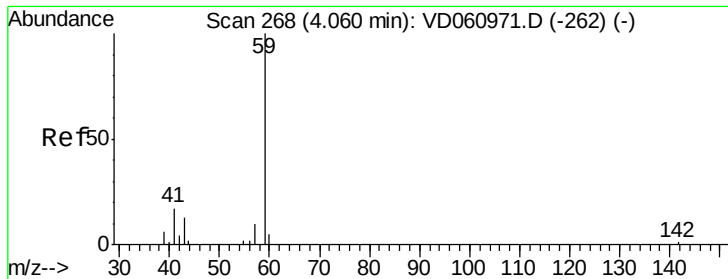
127 46.2 36.8 55.2

141 13.4 11.2 16.8



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

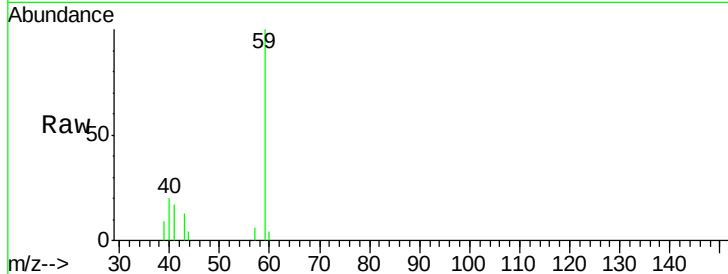




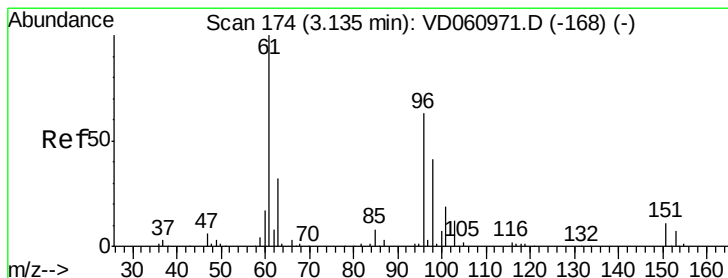
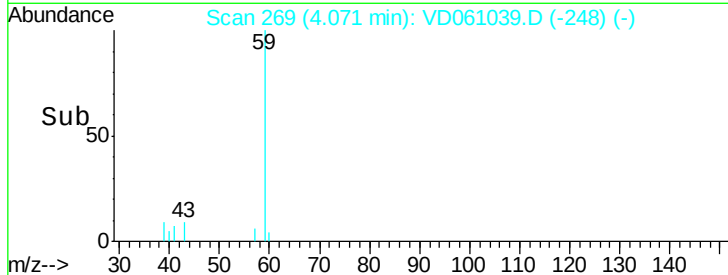
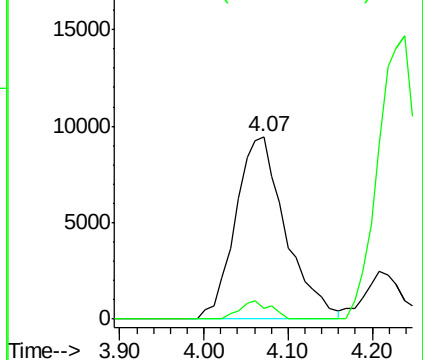
#11

Tert butyl alcohol
Concen: 101.180 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion: 59 Resp: 39130
Ion Ratio Lower Upper
59 100
57 6.1 7.1 10.7#



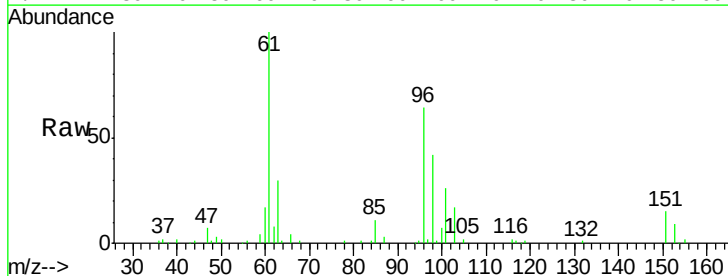
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



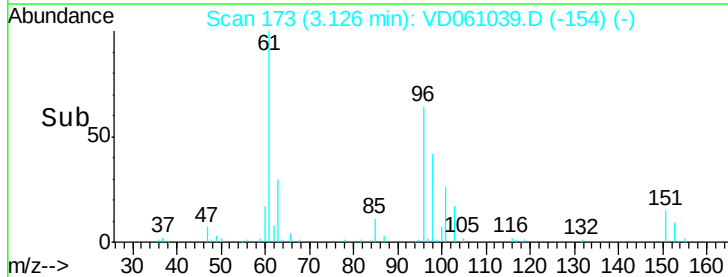
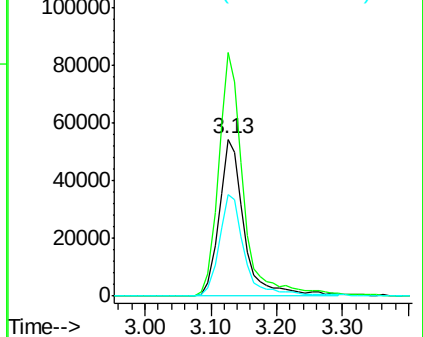
#12

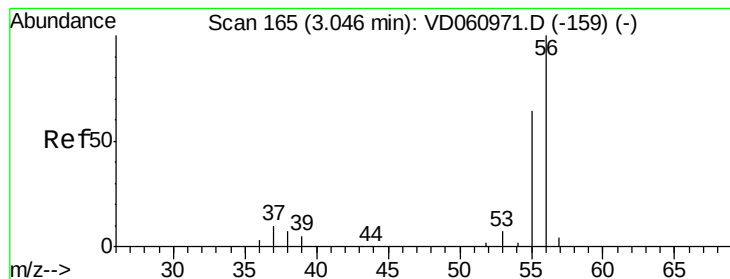
1,1-Dichloroethene
Concen: 19.588 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion: 96 Resp: 143495
Ion Ratio Lower Upper
96 100
61 155.0 127.1 190.7
98 64.7 51.5 77.3



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





#13

Acrolein

Concen: 87.964 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061039.D

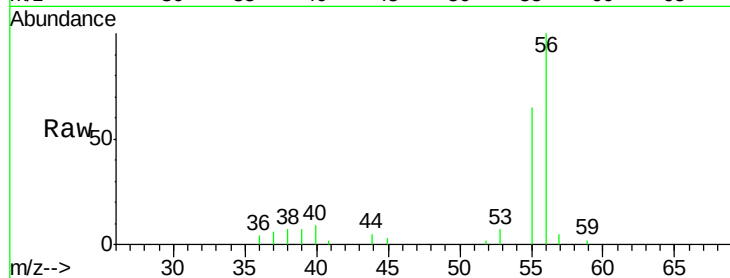
Acq: 13 Mar 2019 13:50

Tot Ion: 56 Resp: 49222

Ion Ratio Lower Upper

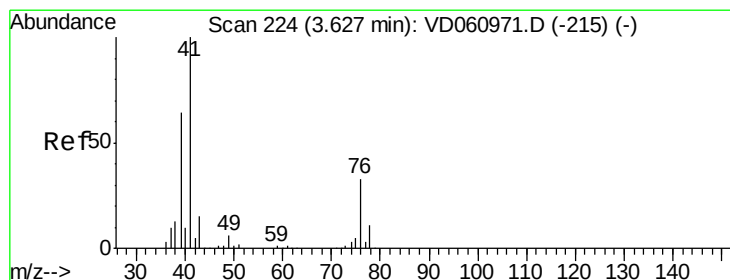
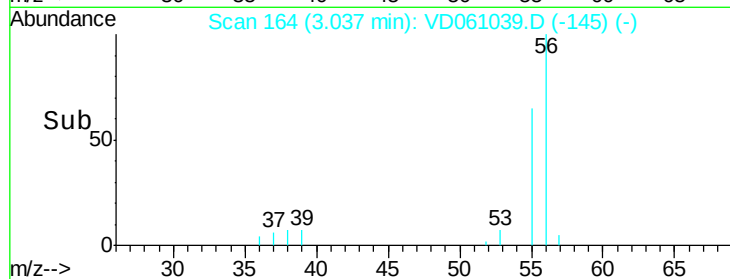
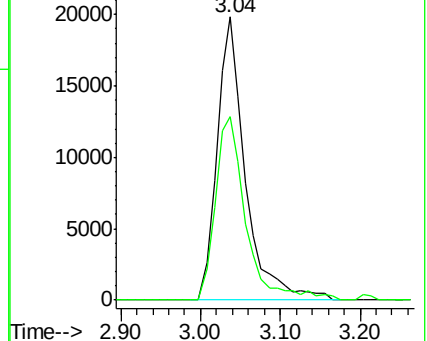
56 100

55 64.8 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: 18.747 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

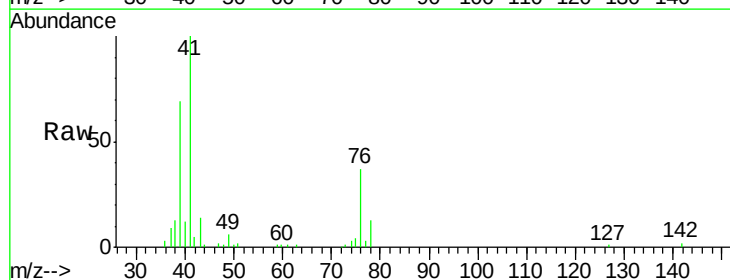
Tgt Ion: 41 Resp: 219741

Ion Ratio Lower Upper

41 100

39 69.1 51.1 76.7

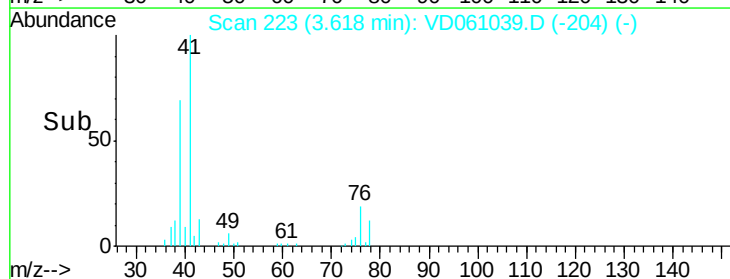
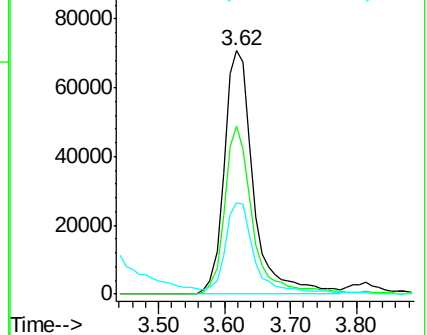
76 37.2 29.1 43.7

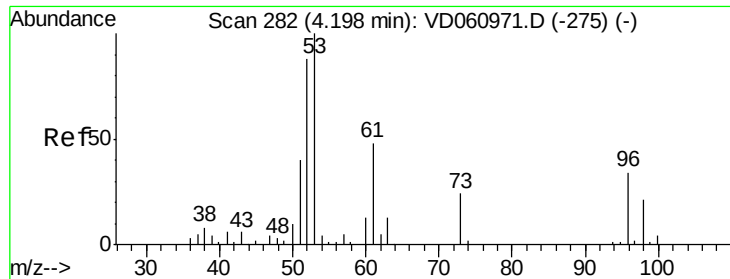


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.917 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

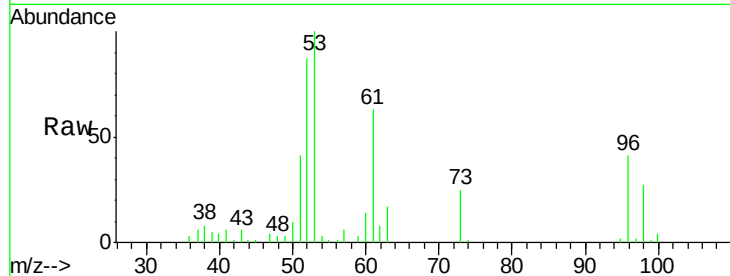
Tot Ion: 53 Resp: 143406

Ion Ratio Lower Upper

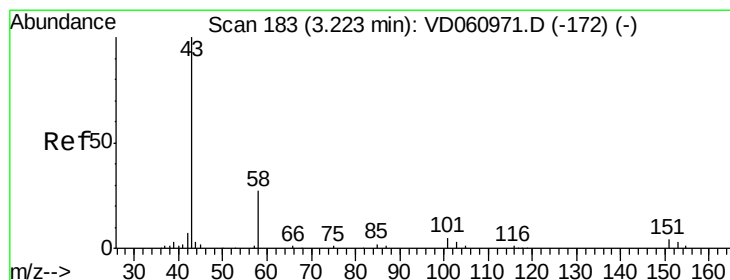
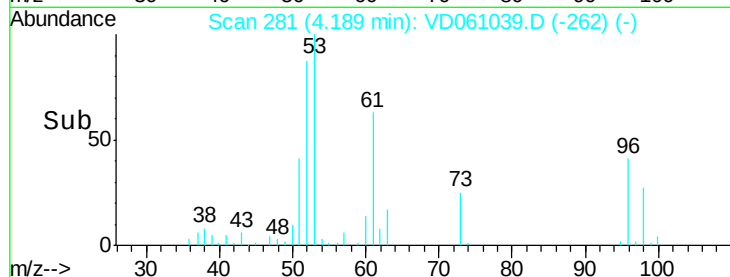
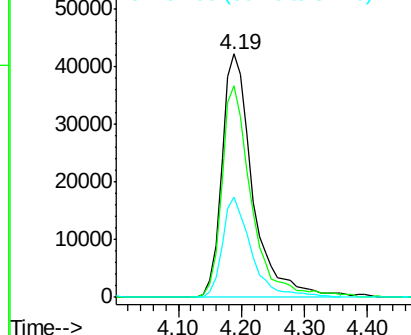
53 100

52 86.8 70.2 105.4

51 41.3 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: 98.239 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061039.D

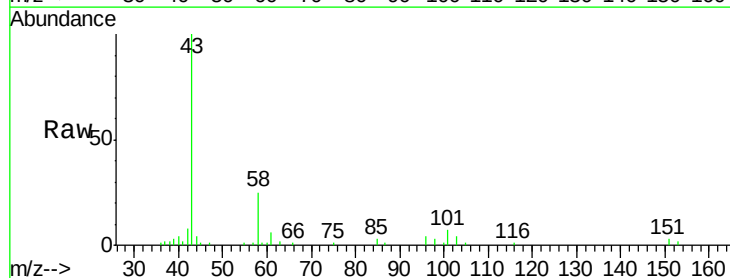
Acq: 13 Mar 2019 13:50

Tgt Ion: 43 Resp: 170656

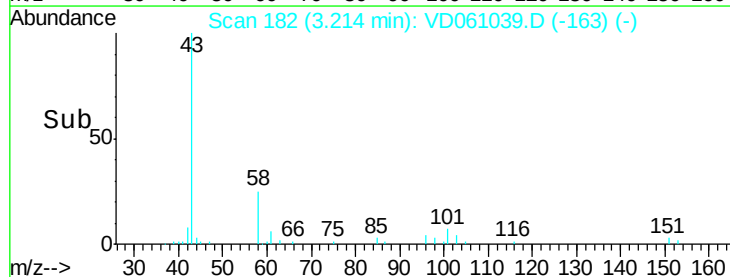
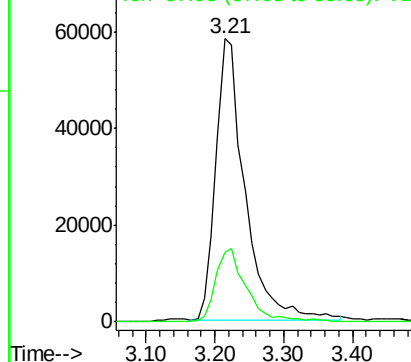
Ion Ratio Lower Upper

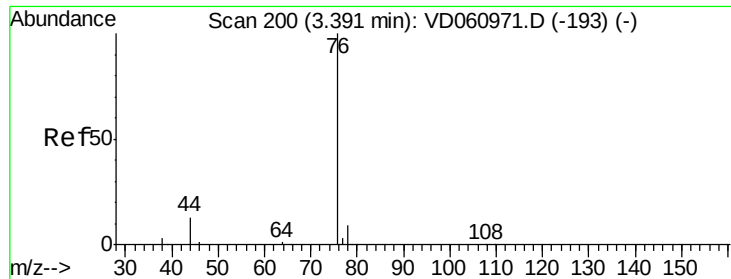
43 100

58 24.8 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: 19.776 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD061039.D

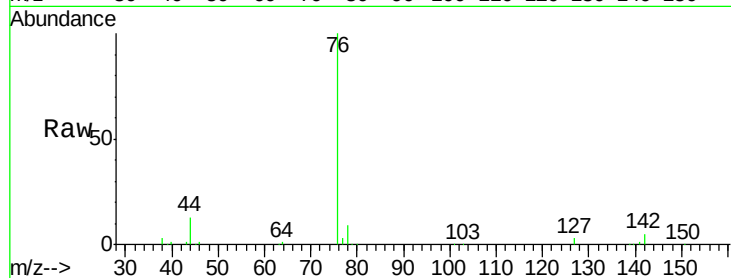
Acq: 13 Mar 2019 13:50

Tot Ion: 76 Resp: 488715

Ion Ratio Lower Upper

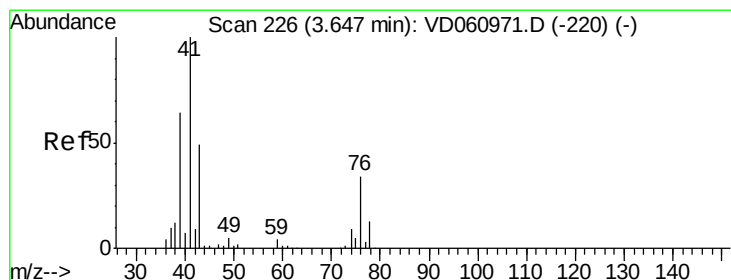
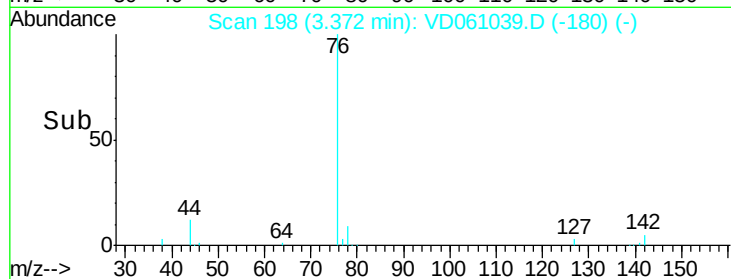
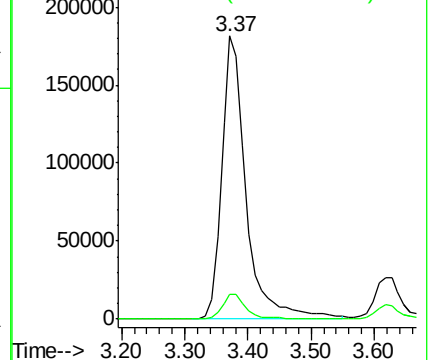
76 100

78 8.7 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: 19.045 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061039.D

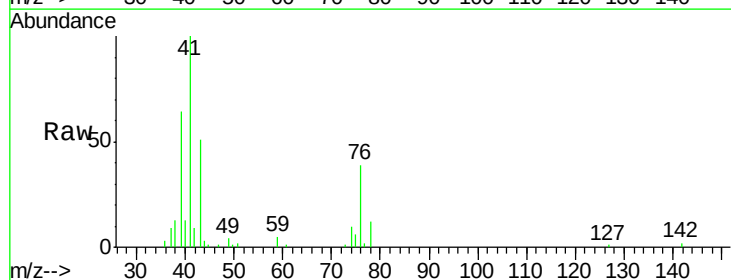
Acq: 13 Mar 2019 13:50

Tgt Ion: 43 Resp: 65108

Ion Ratio Lower Upper

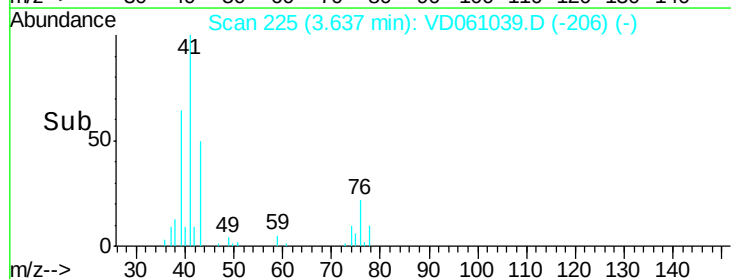
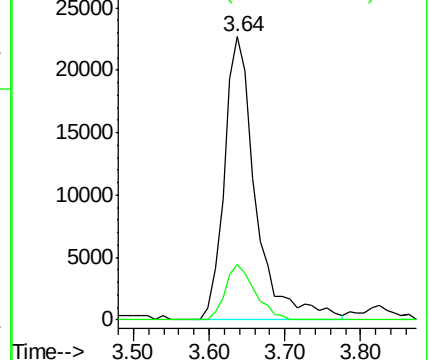
43 100

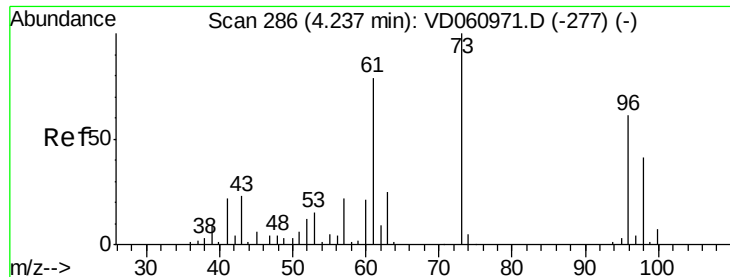
74 19.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

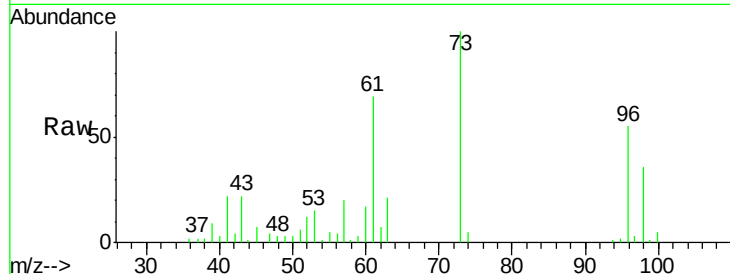




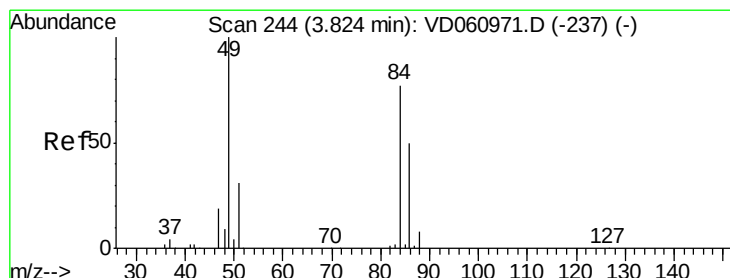
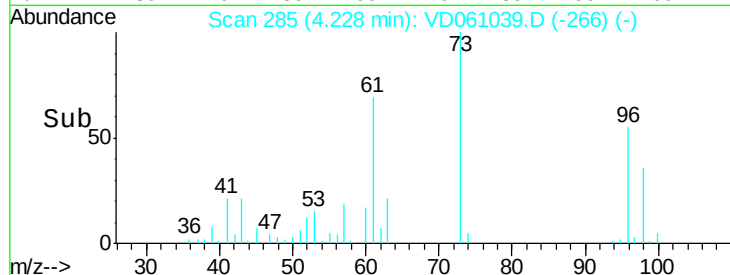
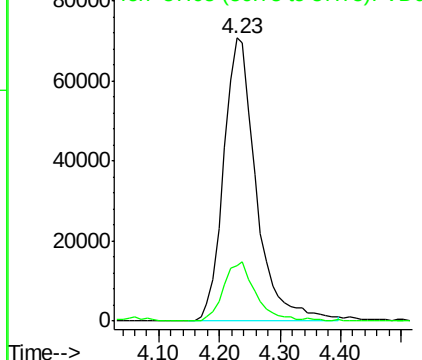
#19

Methyl tert-butyl Ether
 Concen: 20.550 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tot Ion: 73 Resp: 263837
 Ion Ratio Lower Upper
 73 100
 57 19.8 17.7 26.5



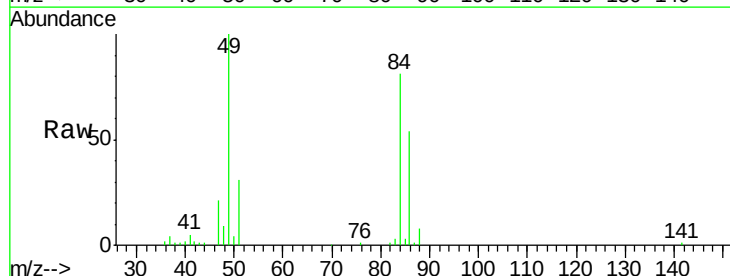
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



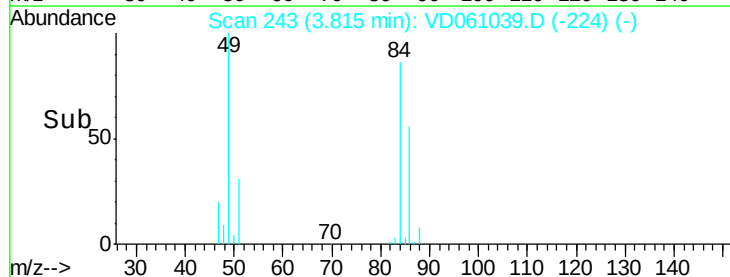
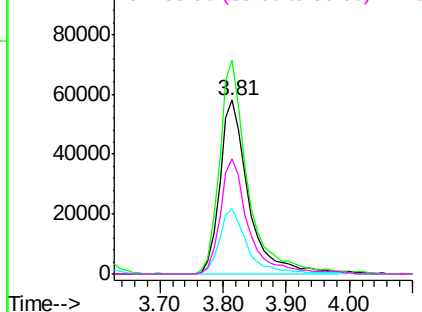
#20

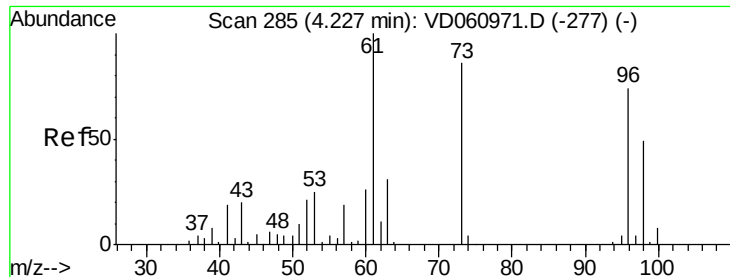
Methylene Chloride
 Concen: 20.445 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tgt Ion: 84 Resp: 183773
 Ion Ratio Lower Upper
 84 100
 49 122.9 104.2 156.2
 51 37.9 32.3 48.5
 86 66.0 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: 19.932 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

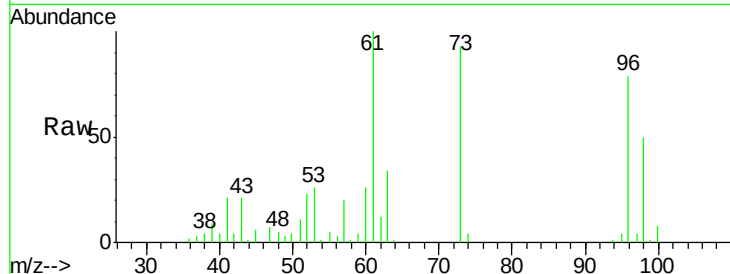
Tot Ion: 96 Resp: 158045

Ion Ratio Lower Upper

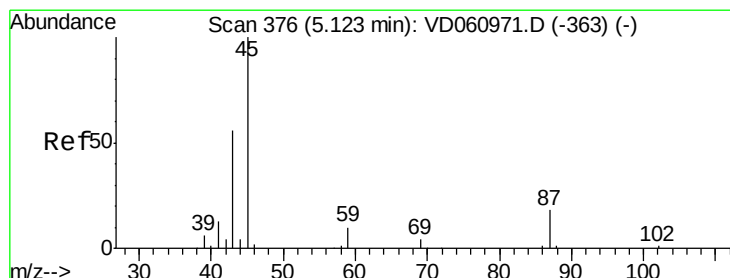
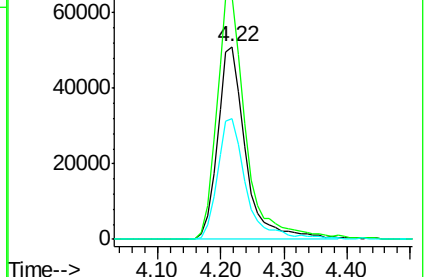
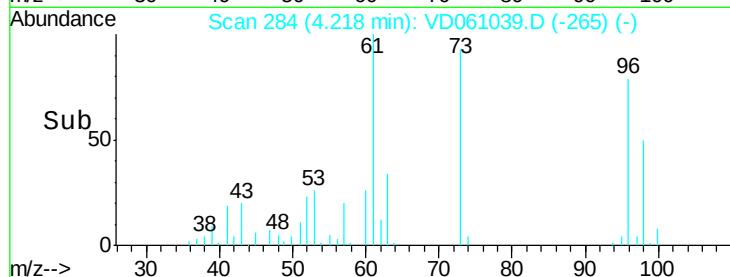
96 100

61 126.2 108.4 162.6

98 62.7 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: 20.240 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

Tgt Ion: 45 Resp: 492481

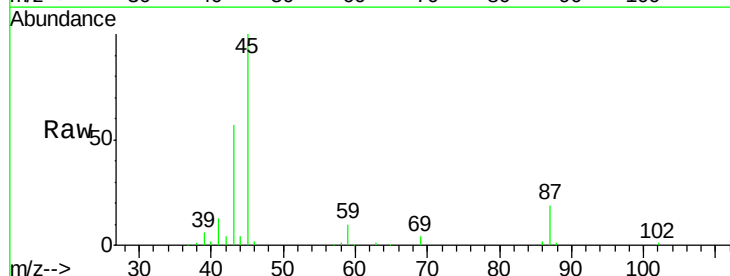
Ion Ratio Lower Upper

45 100

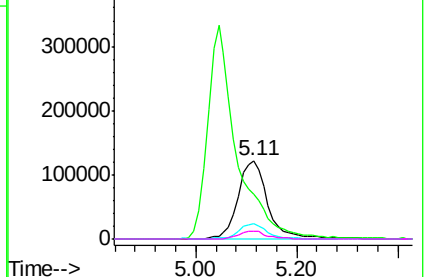
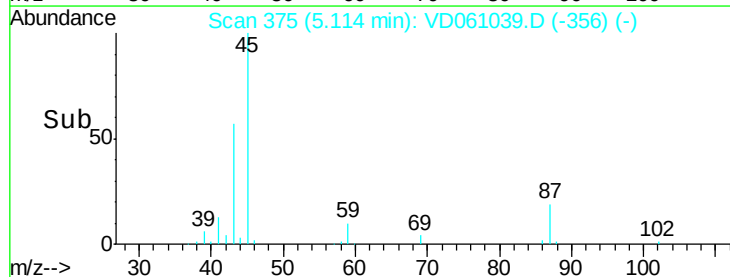
43 56.9 45.8 68.8

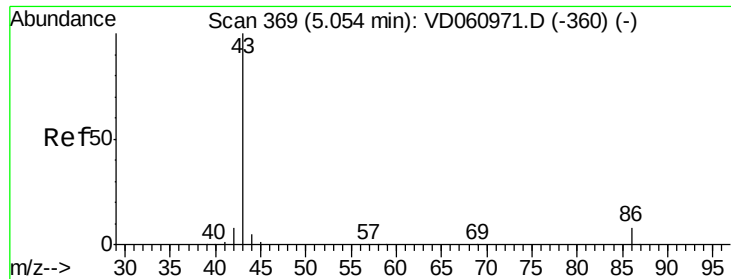
87 19.0 14.9 22.3

59 10.2 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: 106.366 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061039.D

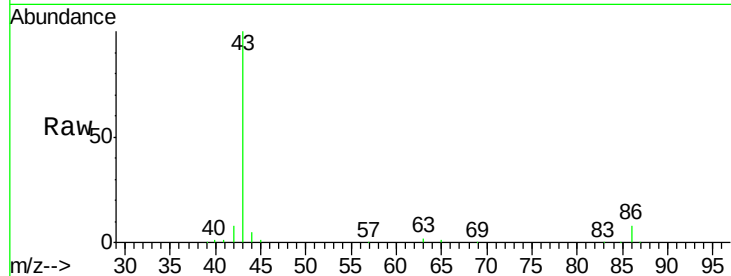
Acq: 13 Mar 2019 13:50

Tot Ion: 43 Resp: 1328598

Ion Ratio Lower Upper

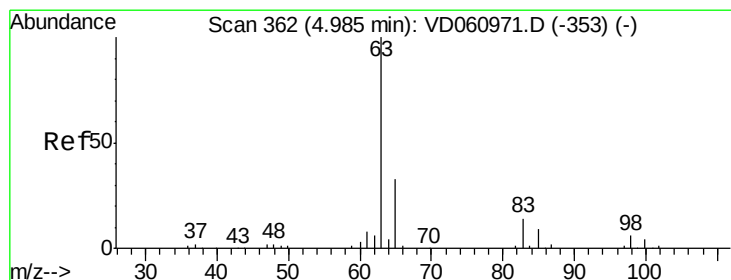
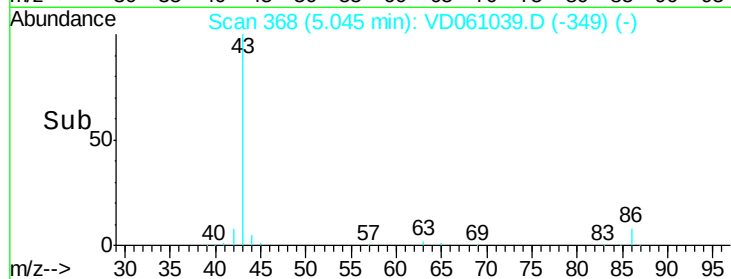
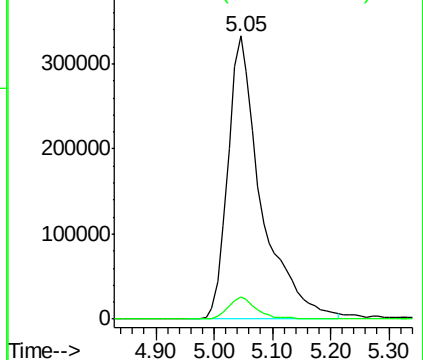
43 100

86 7.9 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.794 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

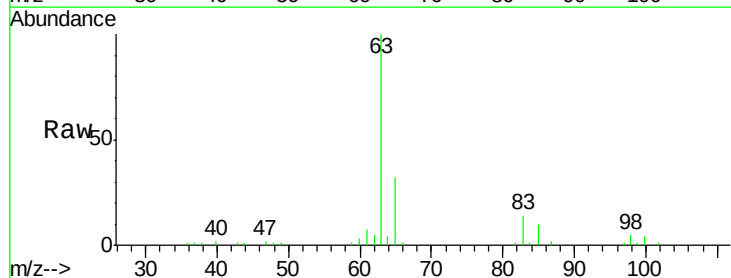
Tgt Ion: 63 Resp: 277224

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

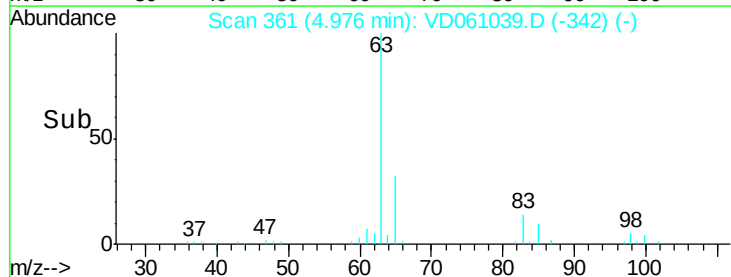
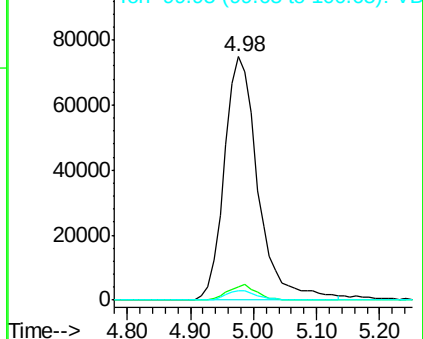
100 3.9 2.0 5.8

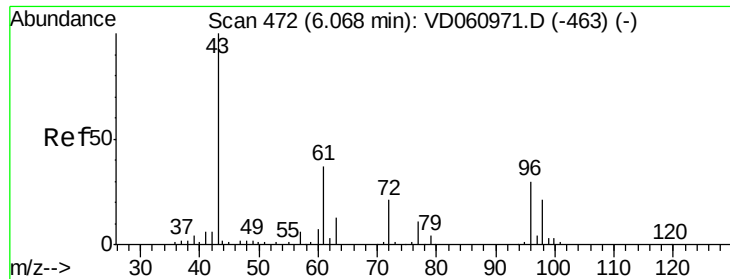


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.141 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061039.D

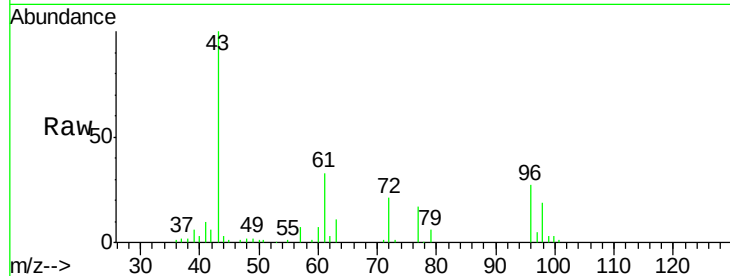
Acq: 13 Mar 2019 13:50

Tot Ion: 43 Resp: 224993

Ion Ratio Lower Upper

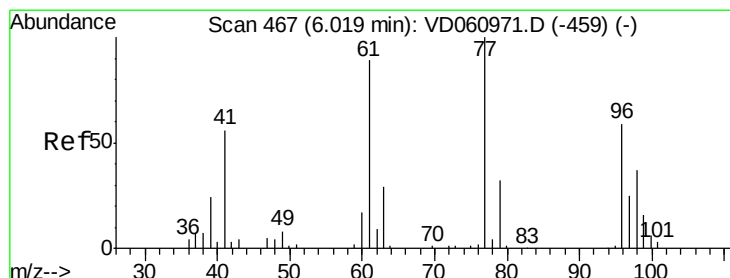
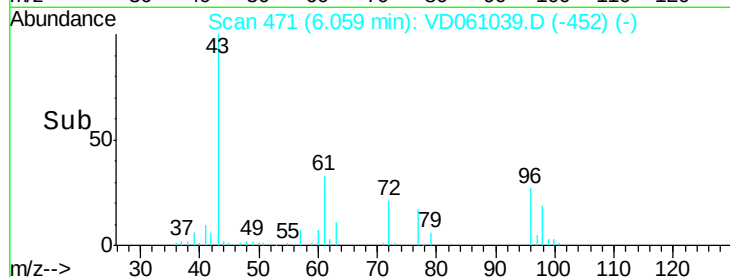
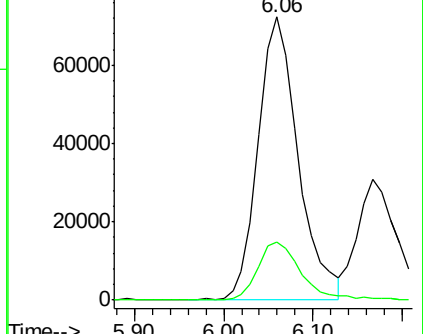
43 100

72 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.176 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061039.D

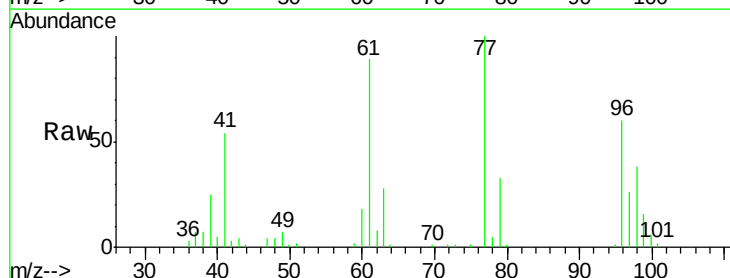
Acq: 13 Mar 2019 13:50

Tgt Ion: 77 Resp: 220391

Ion Ratio Lower Upper

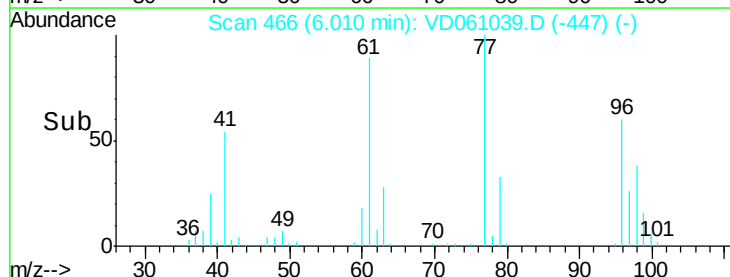
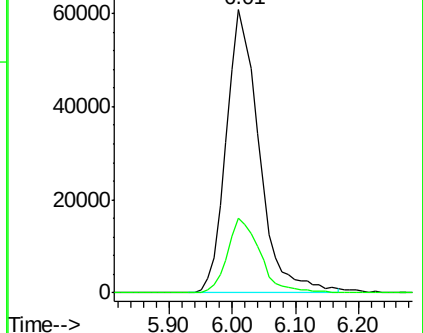
77 100

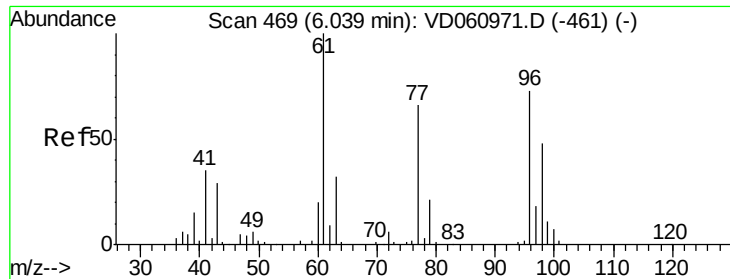
97 26.3 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

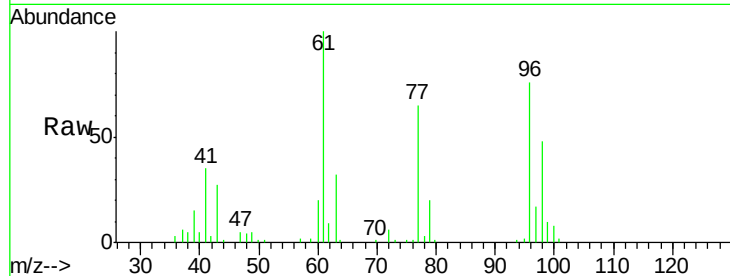




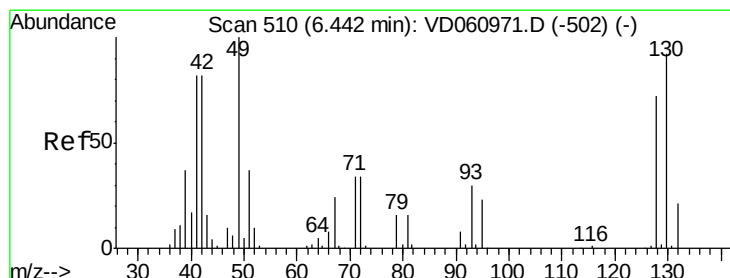
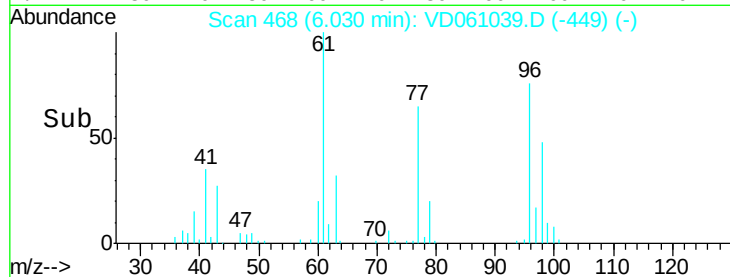
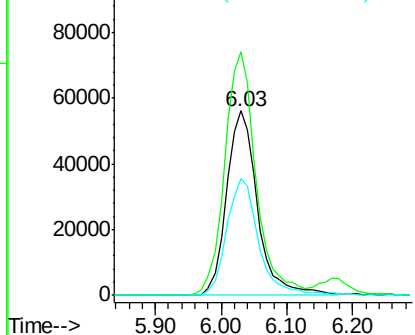
#27

cis-1,2-Dichloroethene
Concen: 21.992 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion	96	Resp	185016
Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	273.6
98	63.5	0.0	132.6



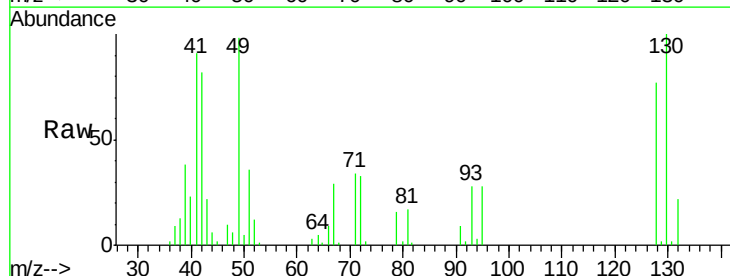
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



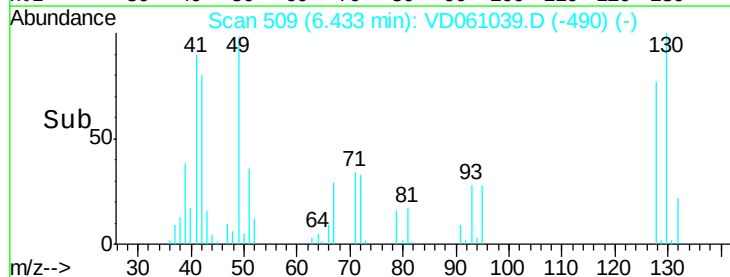
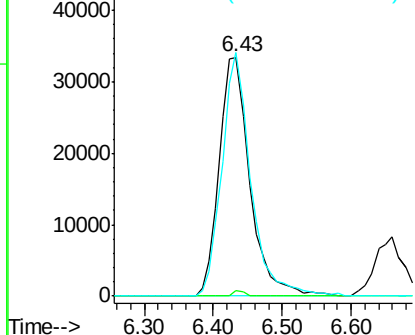
#28

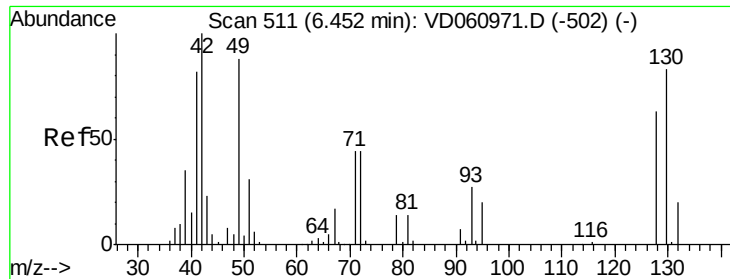
Bromochloromethane
Concen: 18.356 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion	49	Resp	103601
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	102.1	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: 98.812 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

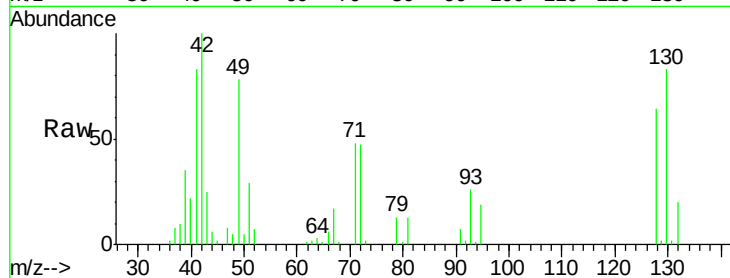
Tot Ion: 42 Resp: 105764

Ion Ratio Lower Upper

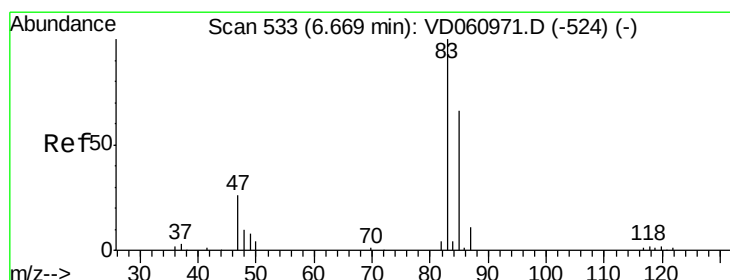
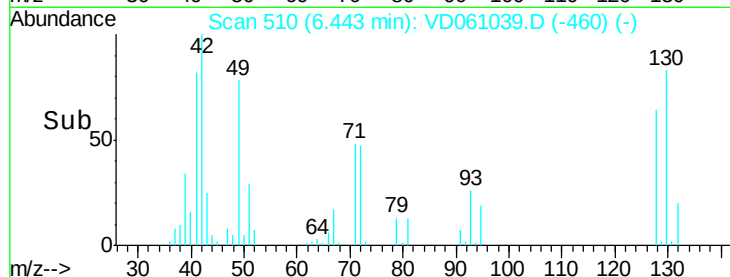
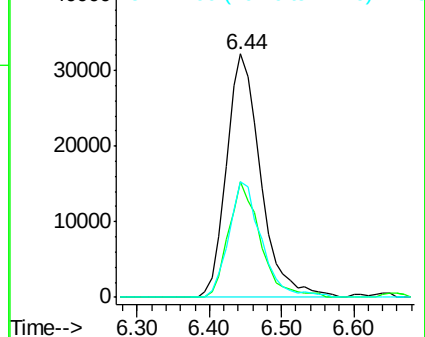
42 100

72 44.4 34.5 51.7

71 45.8 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: 20.620 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061039.D

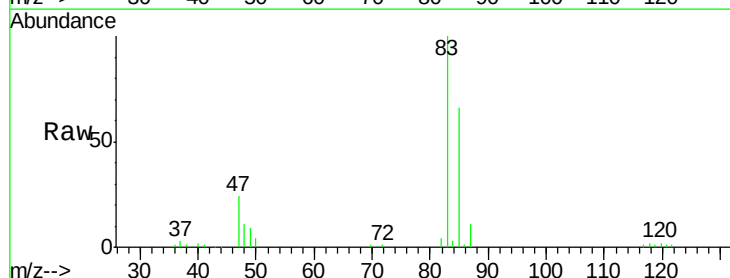
Acq: 13 Mar 2019 13:50

Tgt Ion: 83 Resp: 284913

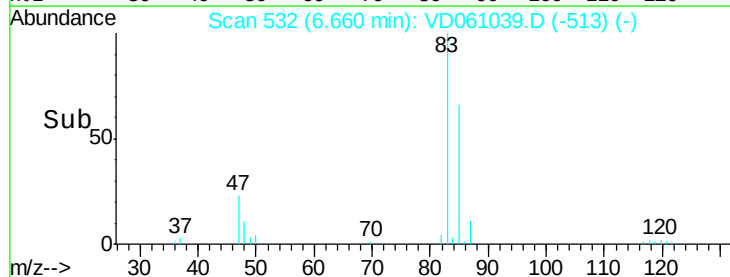
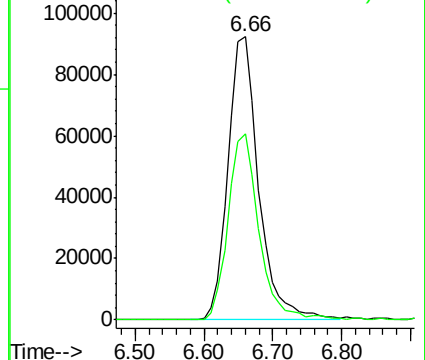
Ion Ratio Lower Upper

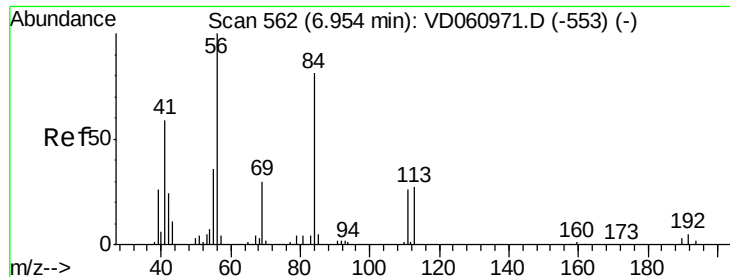
83 100

85 65.5 53.0 79.4



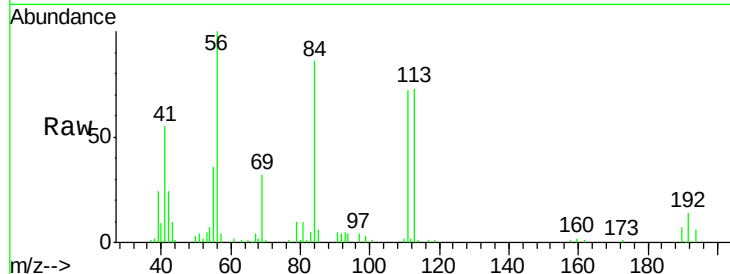
Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC



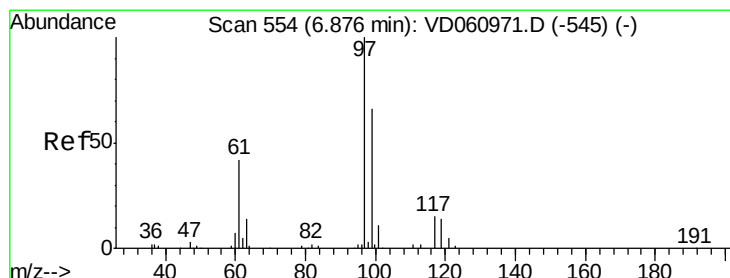
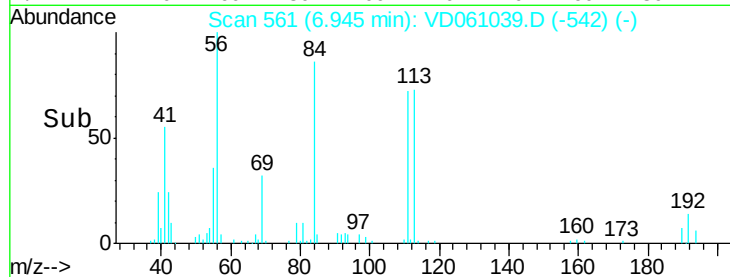
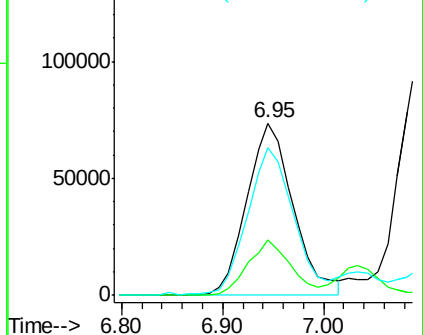


#31
Cyclohexane
Concen: 21.897 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.0	36.0
84	85.8	65.8	98.6

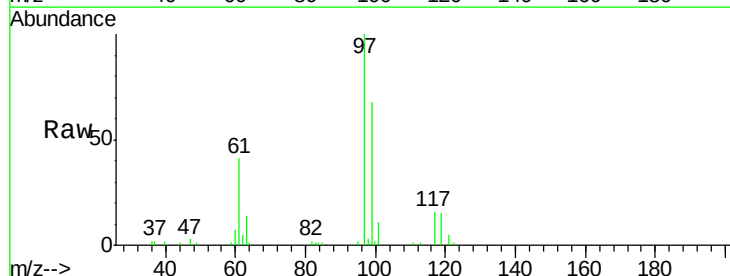


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

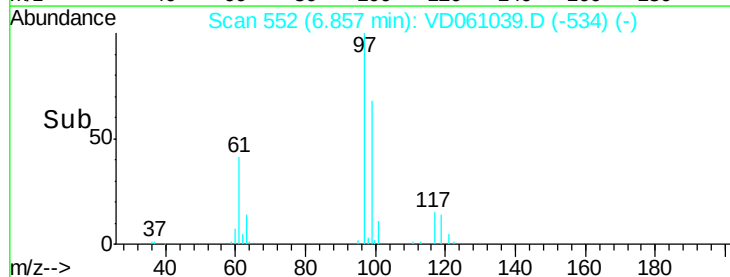
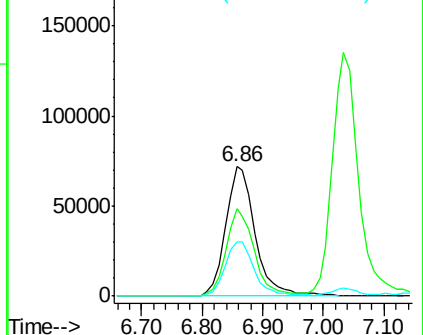


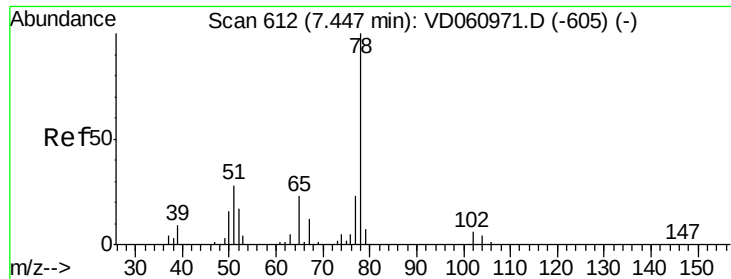
#32
1,1,1-Trichloroethane
Concen: 20.292 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.0	53.2	79.8
61	41.5	33.8	50.8



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





#33

1,2-Dichloroethane-d4

Concen: 20.292 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061039.D

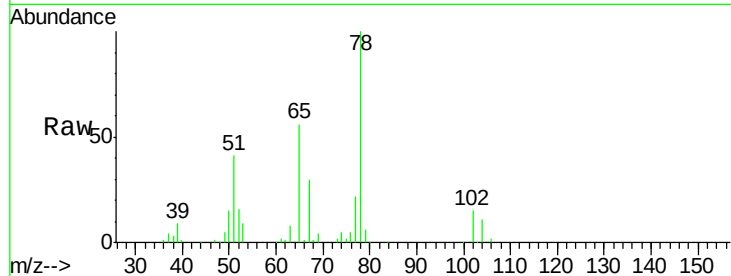
Acq: 13 Mar 2019 13:50

Tot Ion: 65 Resp: 303438

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

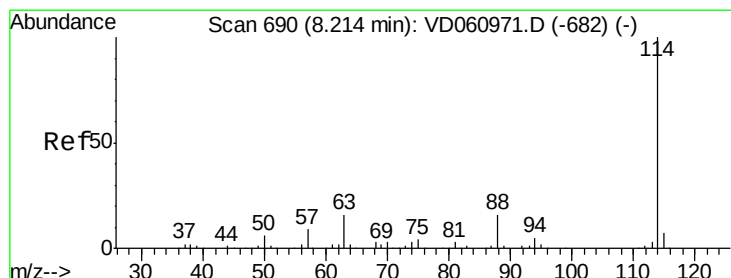
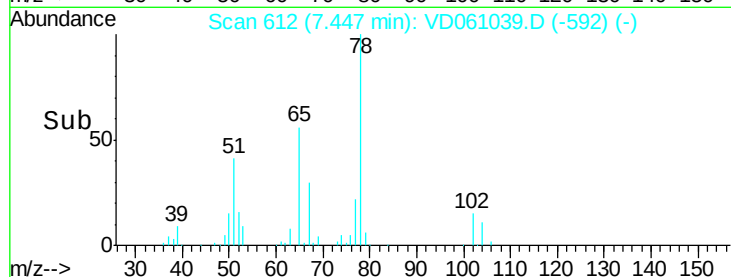
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

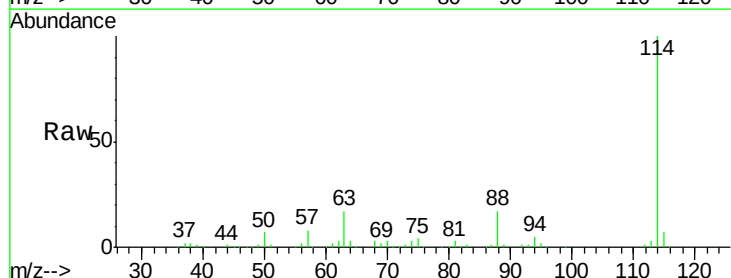
Tgt Ion: 114 Resp: 1261205

Ion Ratio Lower Upper

114 100

63 16.8 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

8.21

600000

500000

400000

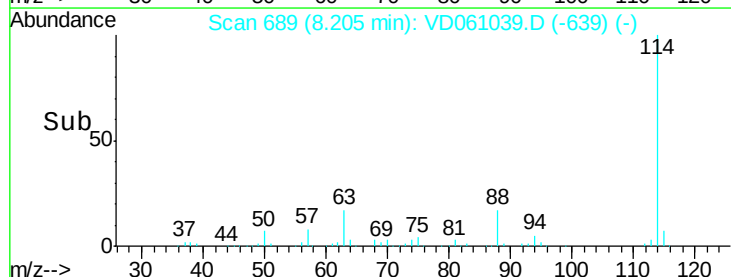
300000

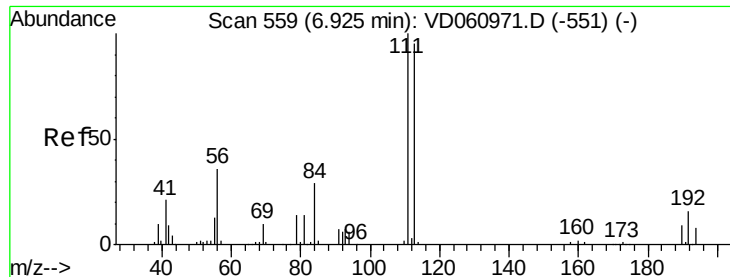
200000

100000

0

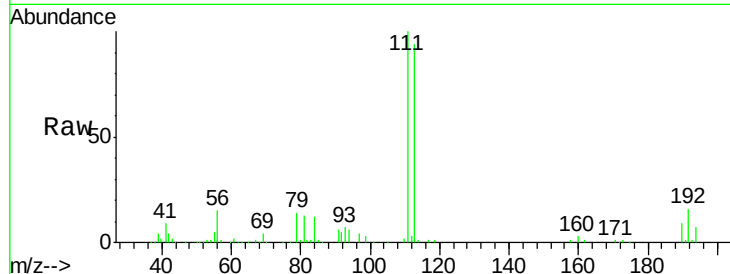
Time-->



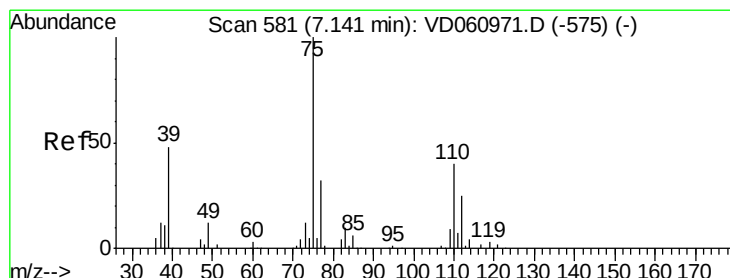
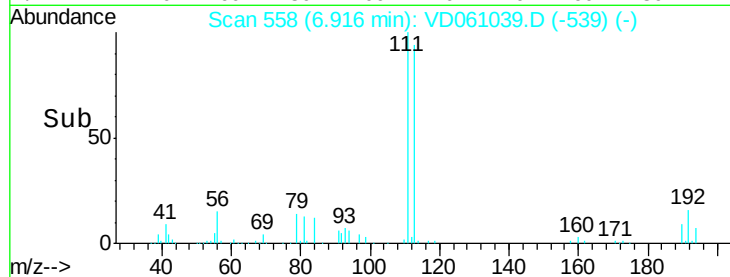
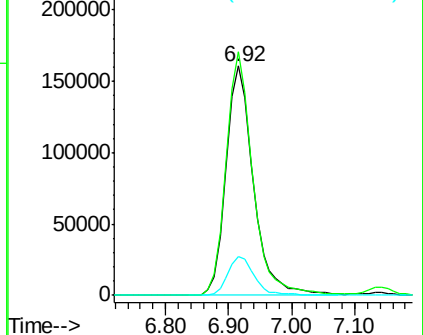


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	84.2	126.4
192	17.0	13.1	19.7

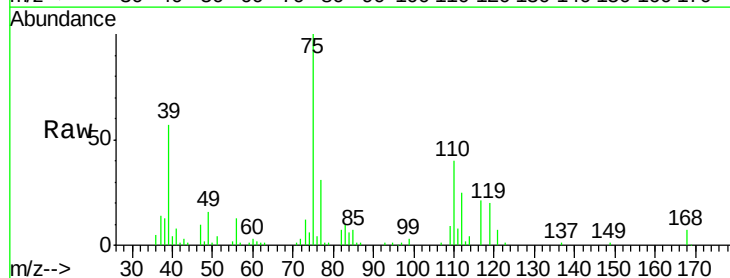


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

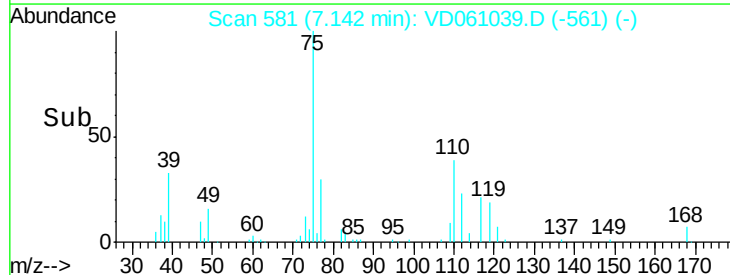
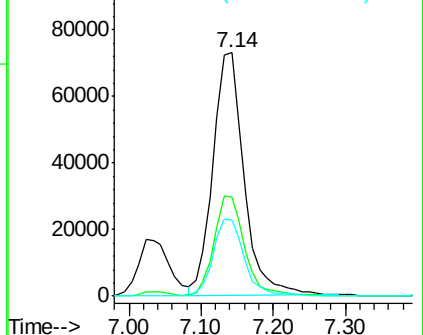


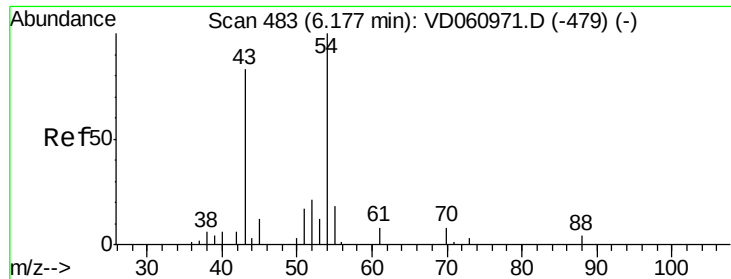
#36
 1,1-Dichloropropene
 Concen: 19.955 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.4	19.7	59.1
77	31.1	24.7	37.1



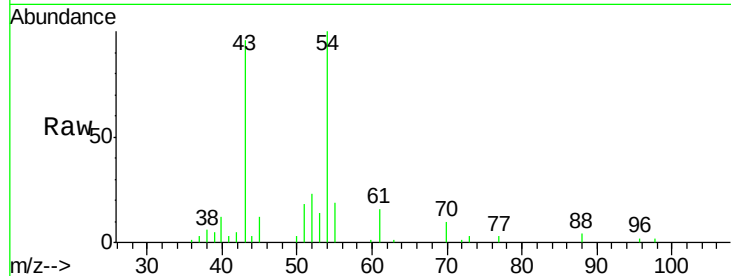
Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC



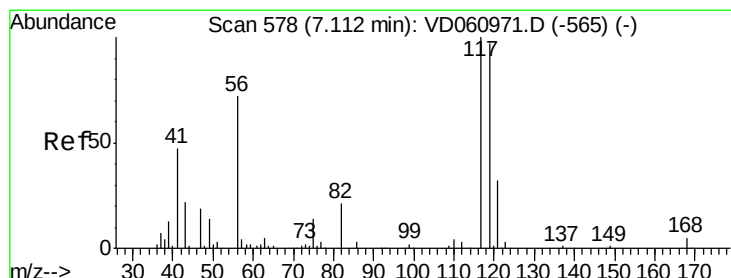
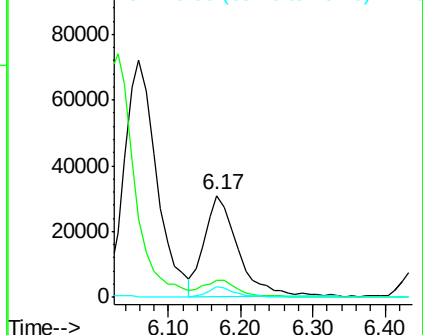
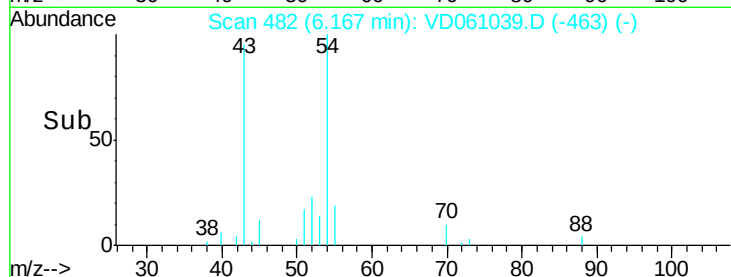


#37
Ethyl Acetate
Concen: 19.152 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion: 43 Resp: 97705
Ion Ratio Lower Upper
43 100
61 16.9 13.7 20.5
70 10.8 7.1 10.7#

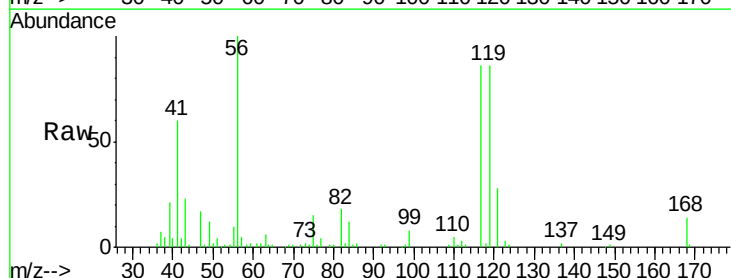


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

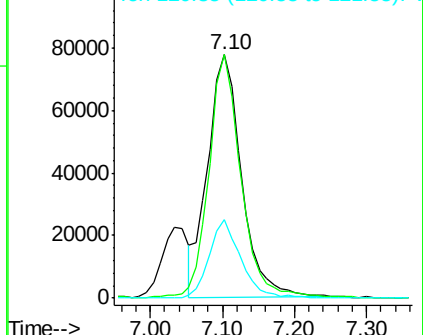
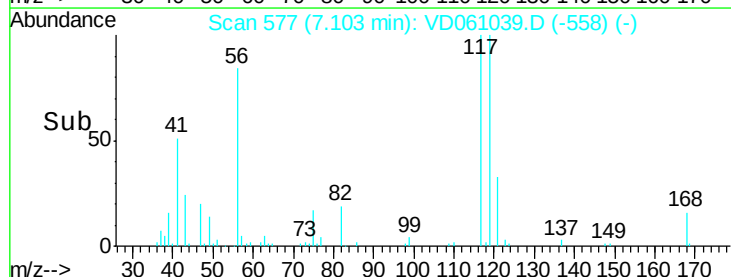


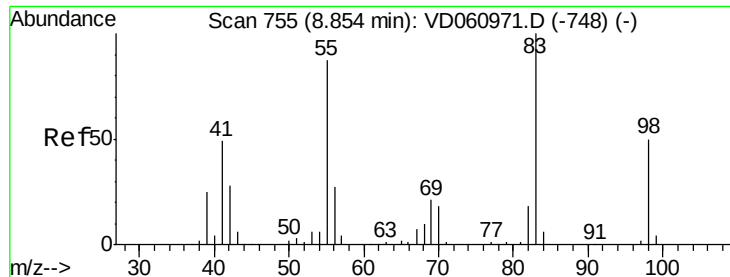
#38
Carbon Tetrachloride
Concen: 20.989 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion: 117 Resp: 251350
Ion Ratio Lower Upper
117 100
119 100.0 77.8 116.8
121 32.2 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

Methylvlcyclohexane

Concen: 20.390 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

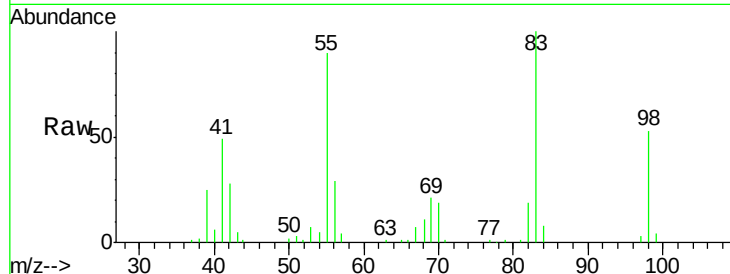
Tot Ion: 83 Resp: 229848

Ion Ratio Lower Upper

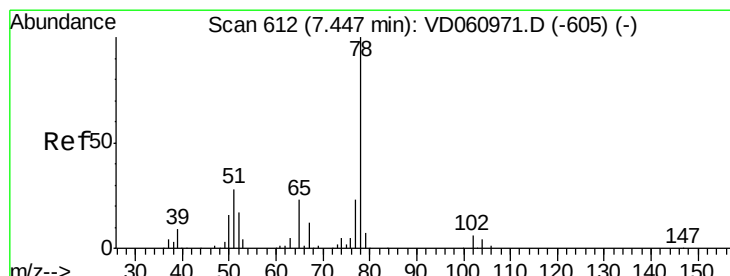
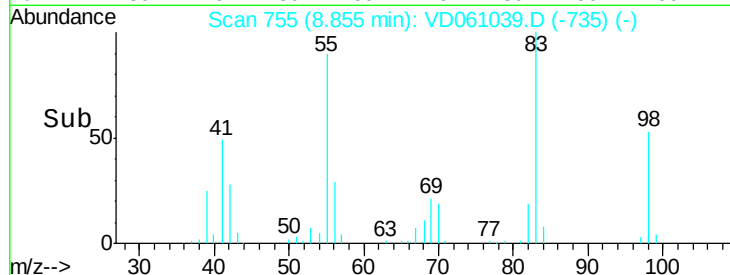
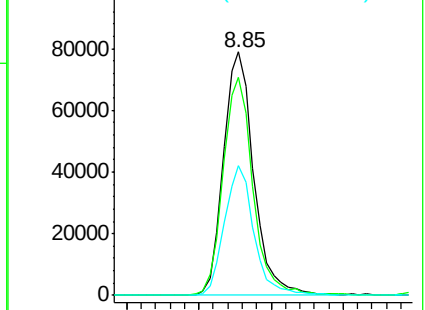
83 100

55 89.7 69.6 104.4

98 53.3 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.700 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061039.D

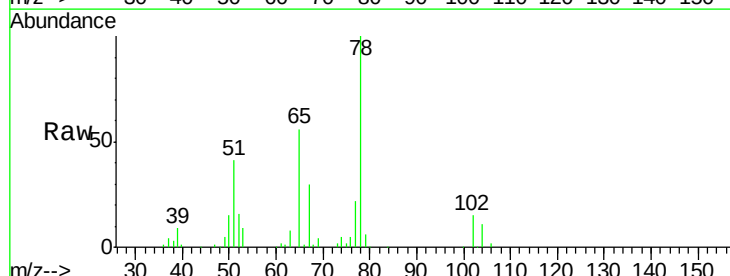
Acq: 13 Mar 2019 13:50

Tgt Ion: 78 Resp: 535152

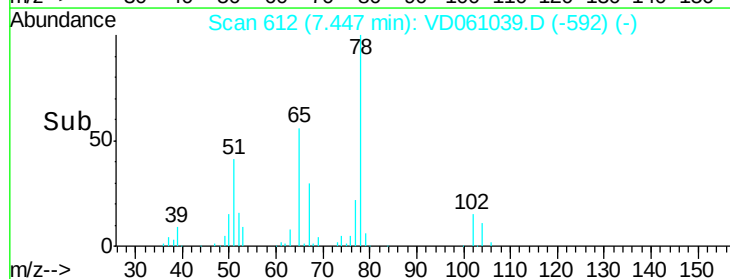
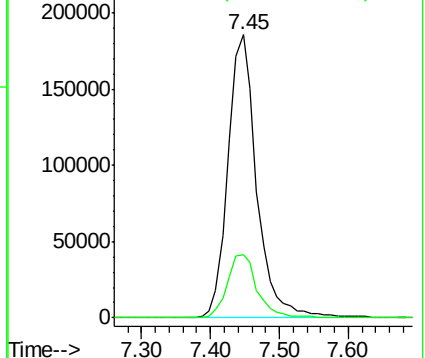
Ion Ratio Lower Upper

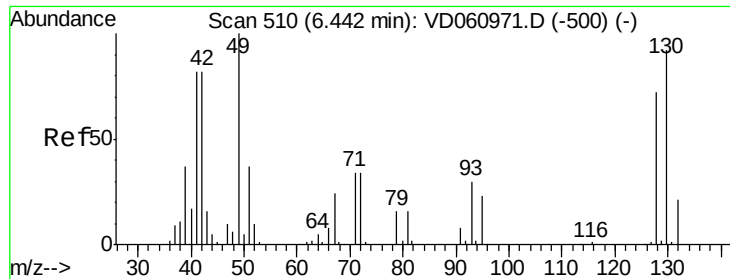
78 100

77 22.2 18.8 28.2



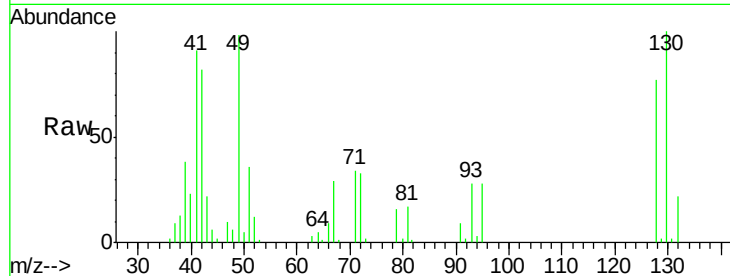
Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



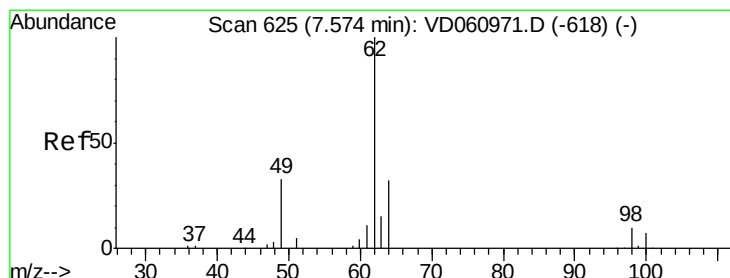
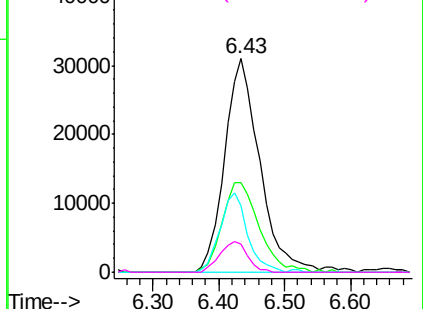
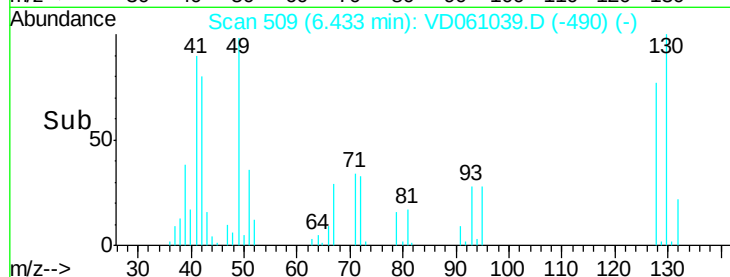


#41
Methacrylonitrile
Concen: 19.772 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion:	41	Resp:	116019
Ion	Ratio	Lower	Upper
41	100		
39	42.1	35.7	53.5
67	31.4	23.0	34.6
52	13.4	9.2	13.8

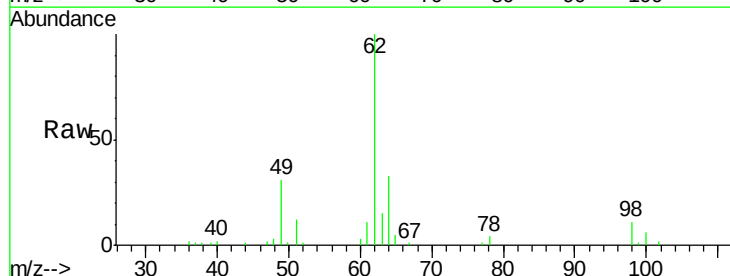


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

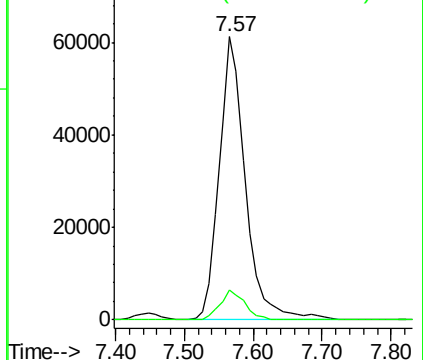
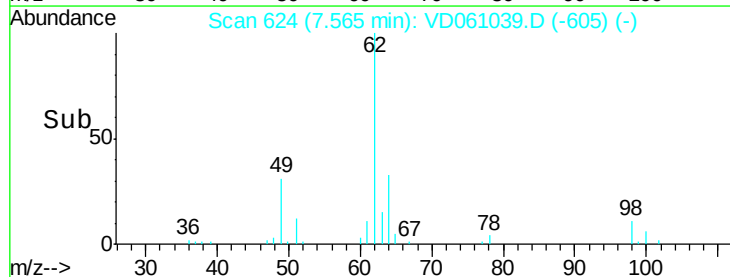


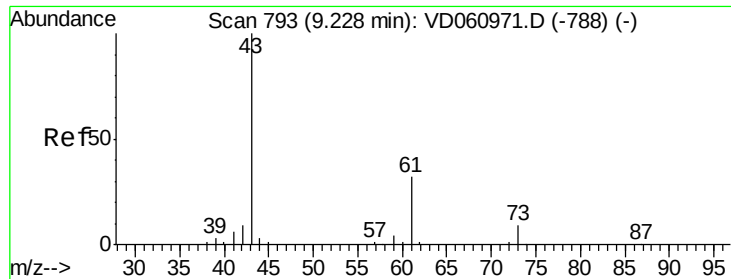
#42
1,2-Dichloroethane
Concen: 20.443 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion:	62	Resp:	161157
Ion	Ratio	Lower	Upper
62	100		
98	10.7	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: 19.582 ug/l

RT: 9.23 min Scan# 793

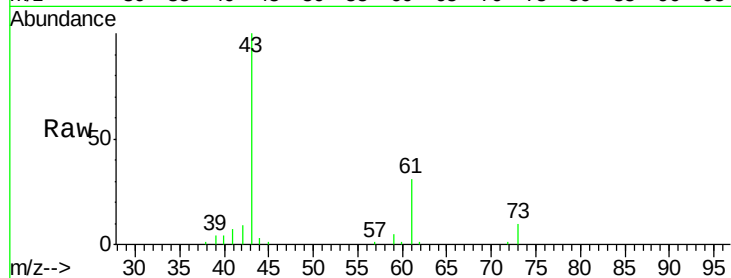
Delta R.T. 0.00 min

Lab File: VD061039.D

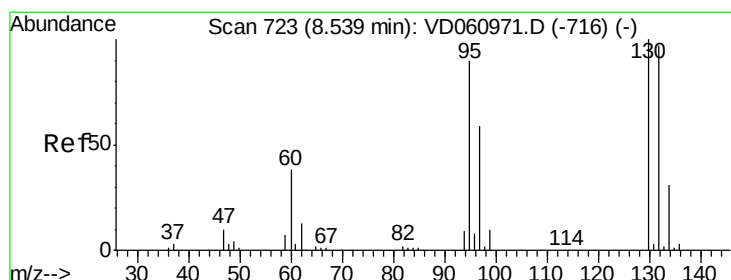
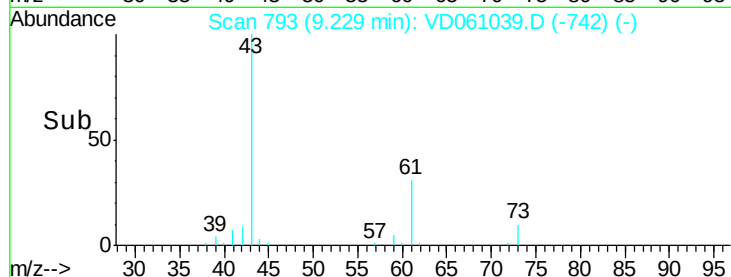
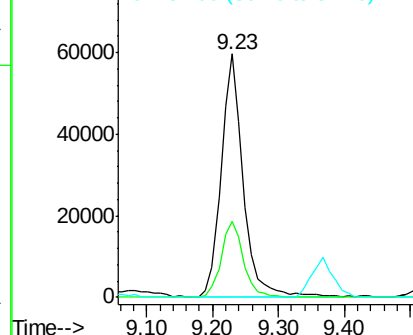
Acq: 13 Mar 2019 13:50

Tot Ion: 43 Resp: 138366

Ion	Ratio	Lower	Upper
43	100		
61	31.1	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: 20.264 ug/l

RT: 8.53 min Scan# 722

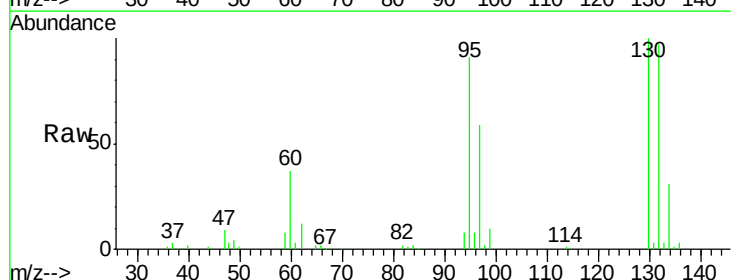
Delta R.T. -0.01 min

Lab File: VD061039.D

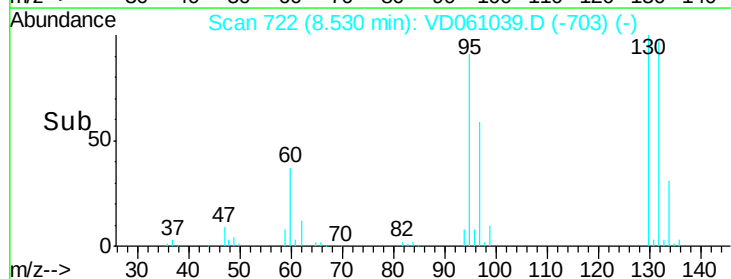
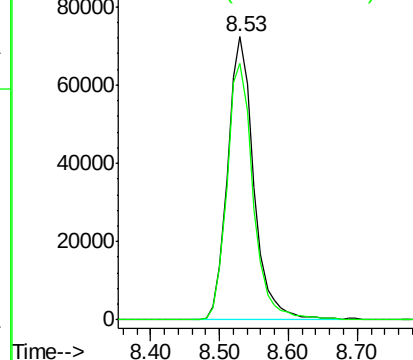
Acq: 13 Mar 2019 13:50

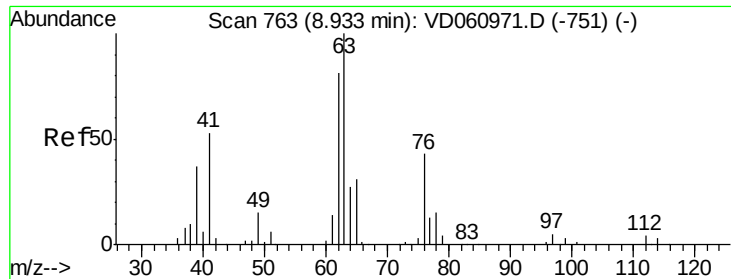
Tgt Ion: 130 Resp: 189909

Ion	Ratio	Lower	Upper
130	100		
95	90.7	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: 20.533 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061039.D

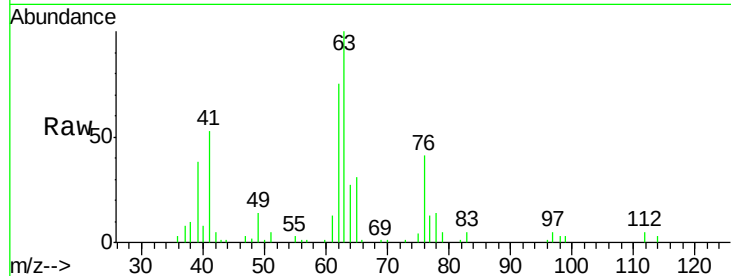
Acq: 13 Mar 2019 13:50

Tot Ion: 63 Resp: 146541

Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

60000

50000

40000

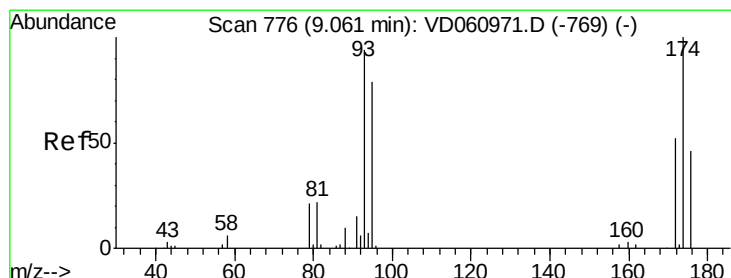
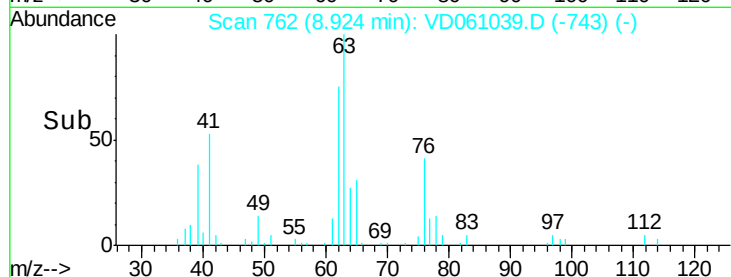
30000

20000

10000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.480 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

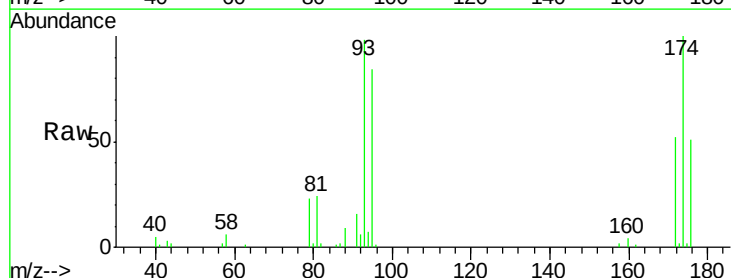
Tgt Ion: 93 Resp: 92713

Ion Ratio Lower Upper

93 100

95 85.1 67.4 101.0

174 101.9 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.05

50000

40000

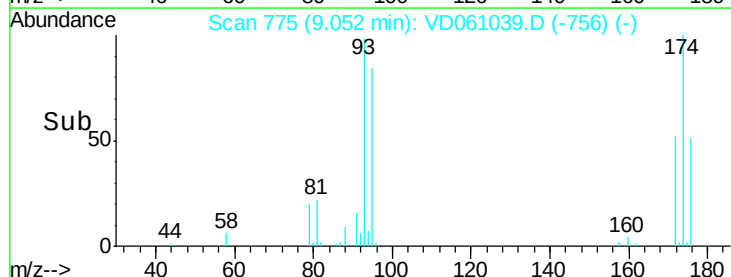
30000

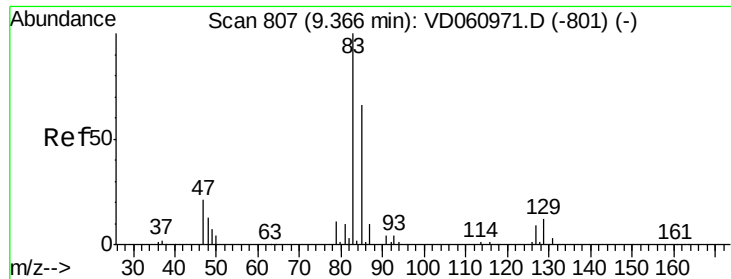
20000

10000

0

Time--> 9.00 9.10 9.20

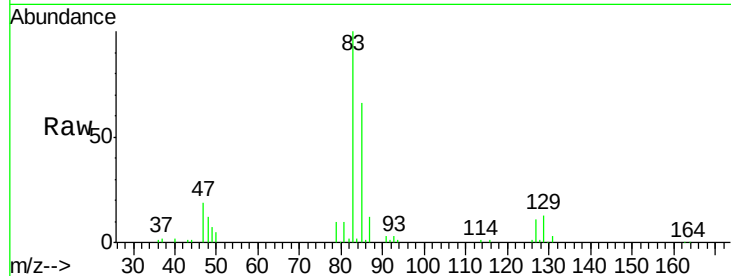




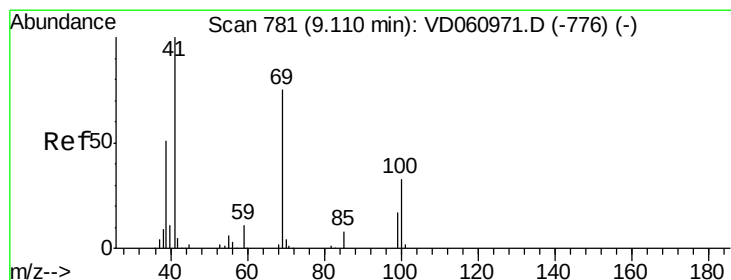
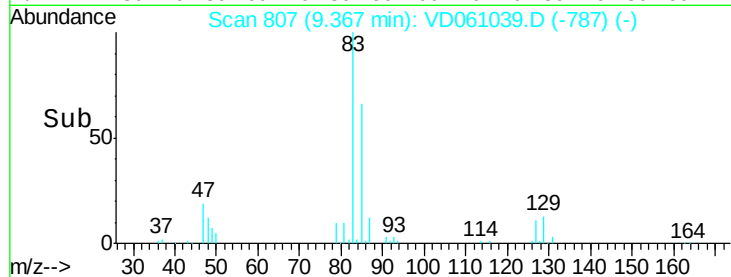
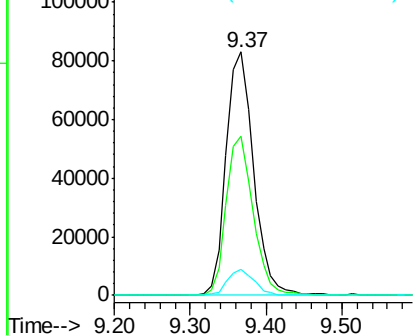
#47

Bromodichloromethane
Concen: 20.549 ug/l
RT: 9.37 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion	83	Resp	209924
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7
127	10.6	7.5	11.3



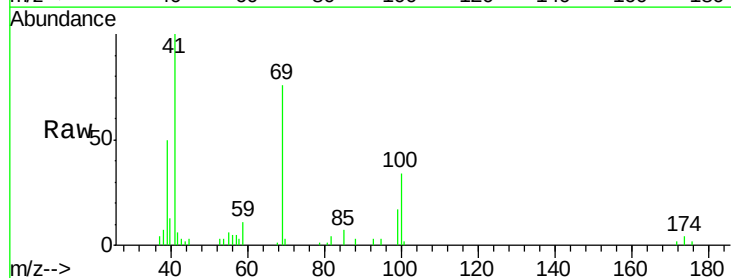
Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



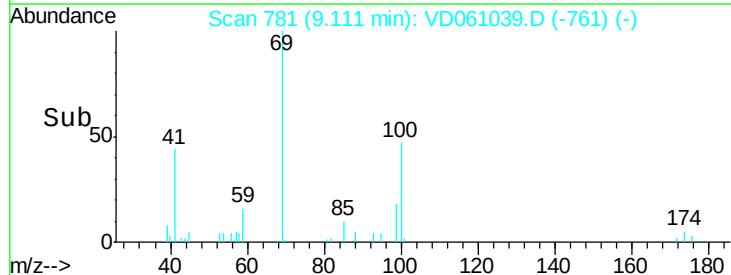
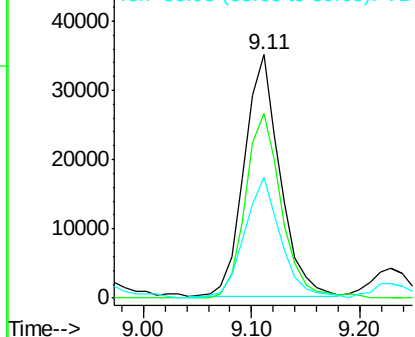
#48

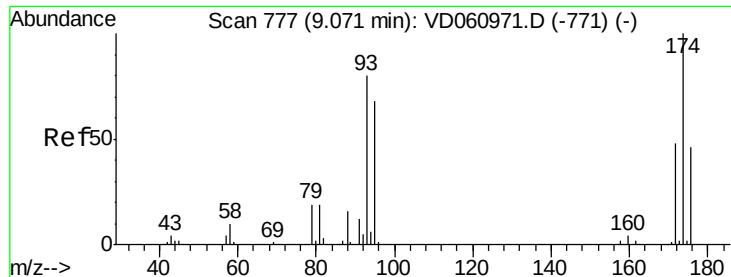
Methyl methacrylate
Concen: 20.014 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion	41	Resp	79621
Ion	Ratio	Lower	Upper
41	100		
69	75.9	59.9	89.9
39	49.6	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: 400.864 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

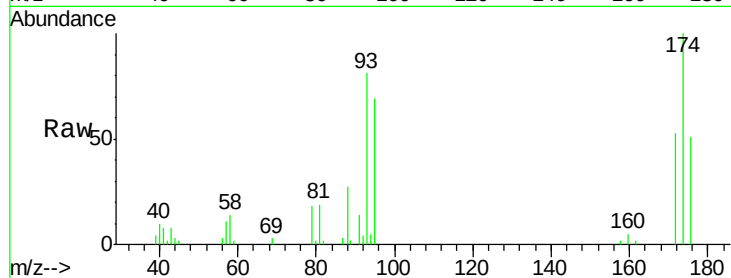
Tot Ion: 88 Resp: 16126

Ion Ratio Lower Upper

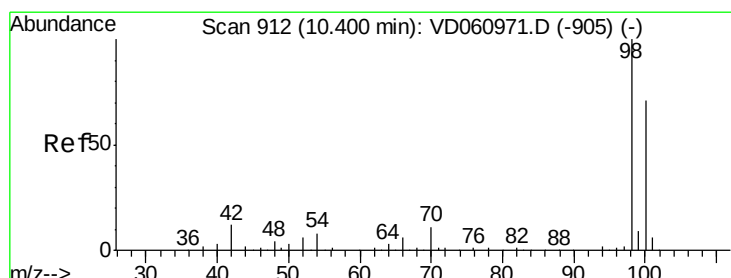
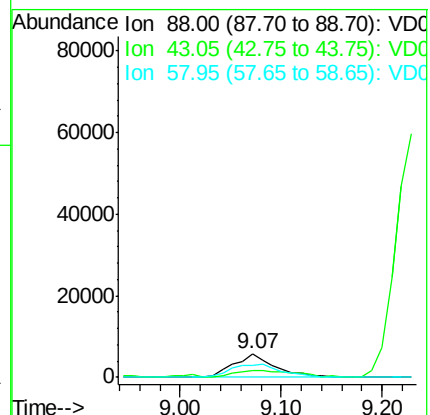
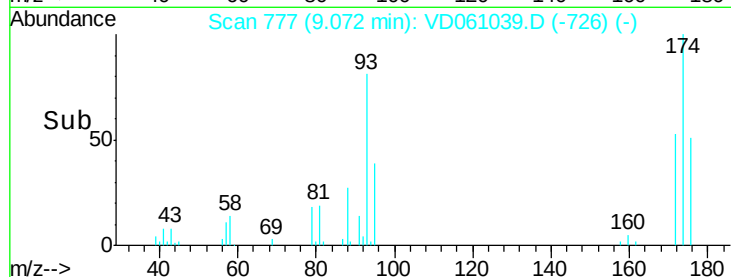
88 100

43 28.0 21.0 31.6

58 52.8 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: 400.864 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061039.D

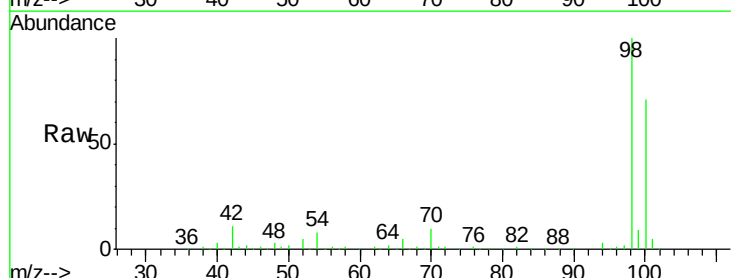
Acq: 13 Mar 2019 13:50

Tgt Ion: 98 Resp: 1190561

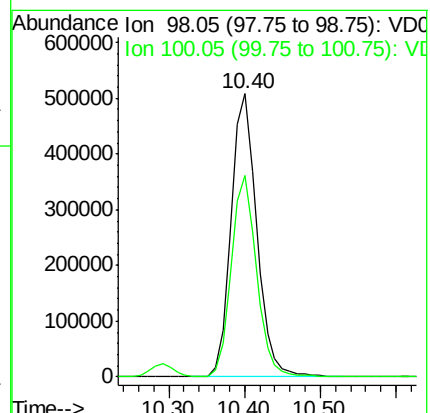
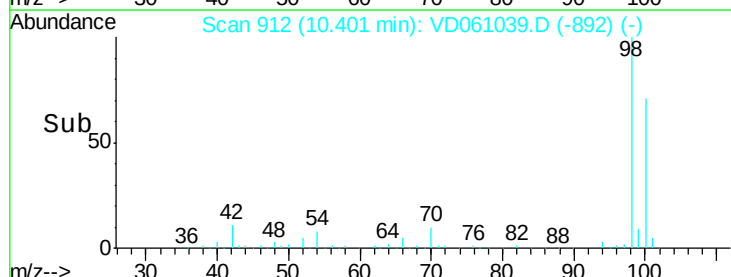
Ion Ratio Lower Upper

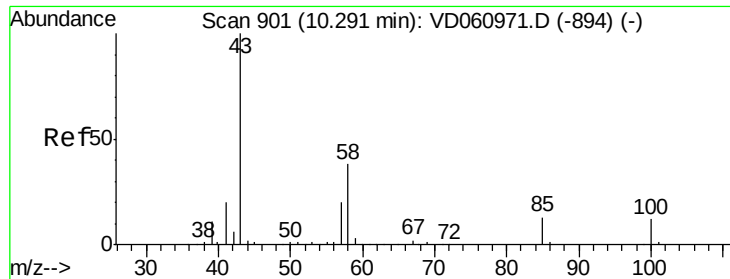
98 100

100 71.0 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: 100.664 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061039.D

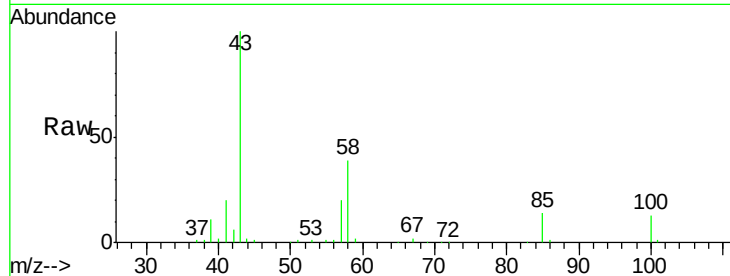
Acq: 13 Mar 2019 13:50

Tot Ion: 43 Resp: 435748

Ion Ratio Lower Upper

43 100

58 39.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

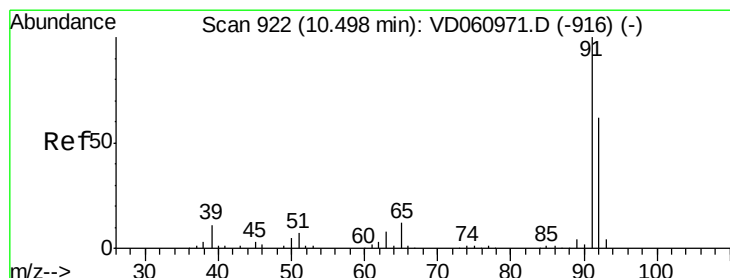
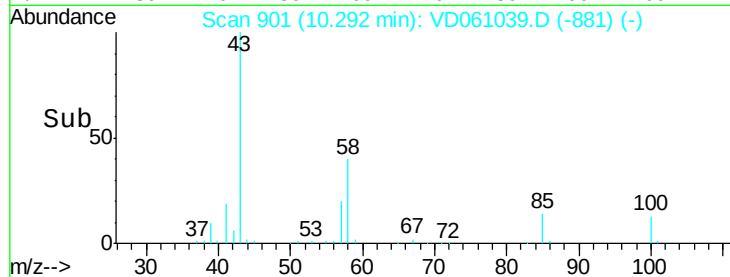
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.862 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061039.D

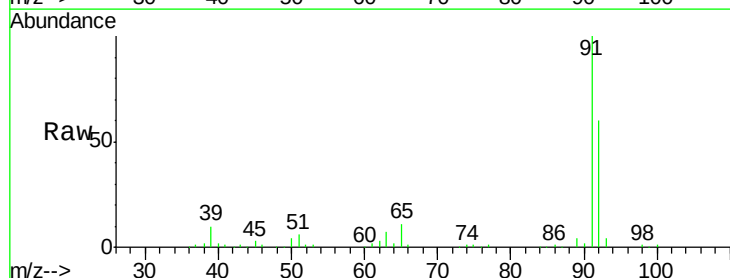
Acq: 13 Mar 2019 13:50

Tgt Ion: 92 Resp: 335510

Ion Ratio Lower Upper

92 100

91 168.0 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

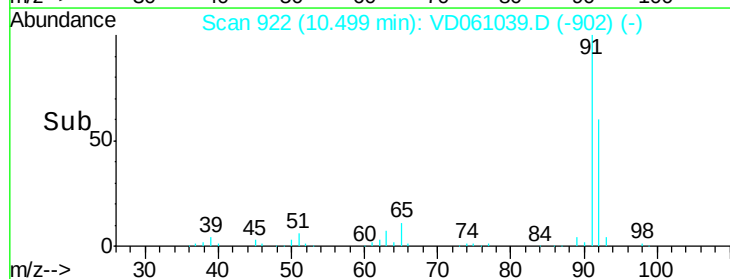
150000

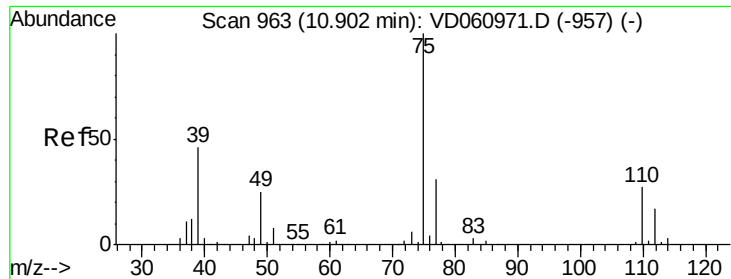
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.699 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD061039.D

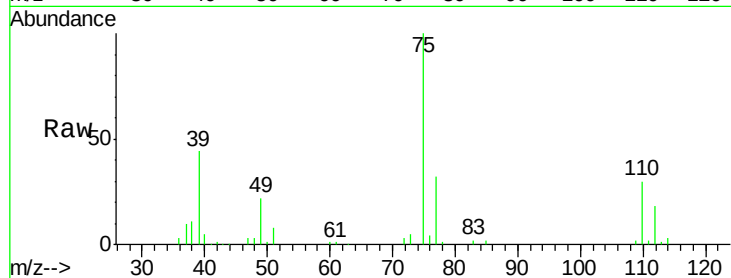
Acq: 13 Mar 2019 13:50

Tot Ion: 75 Resp: 184014

Ion Ratio Lower Upper

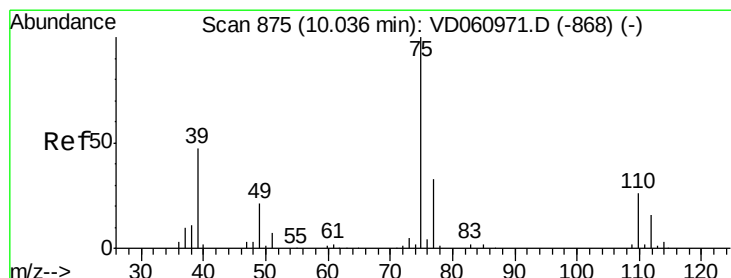
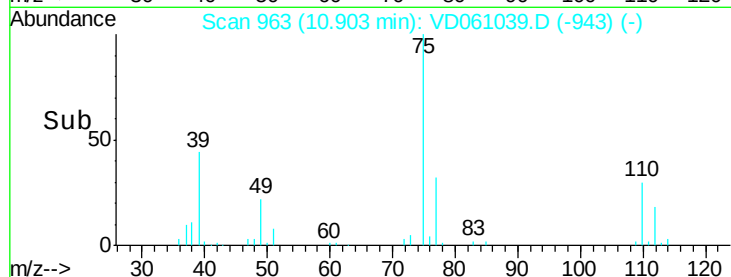
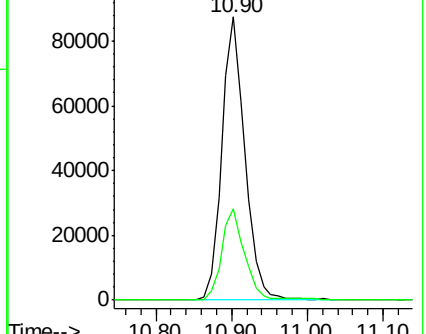
75 100

77 32.4 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: 20.962 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

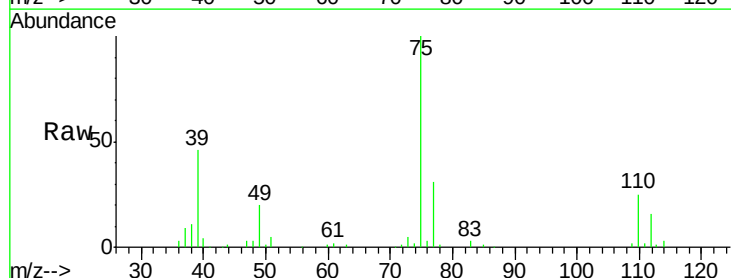
Tgt Ion: 75 Resp: 235271

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.4

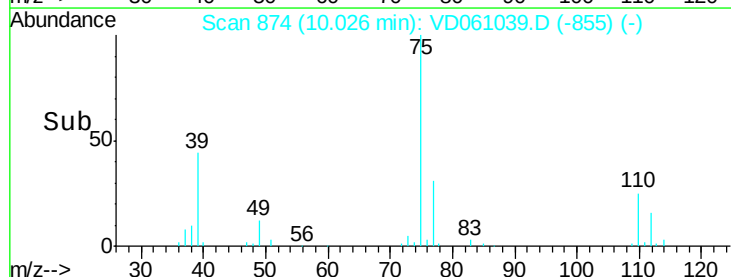
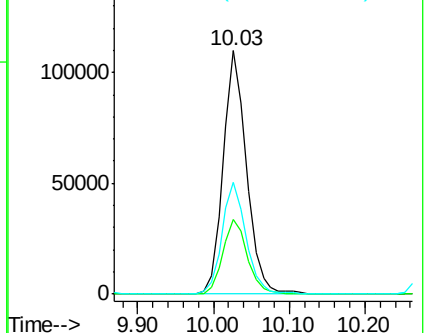
39 46.1 37.8 56.8

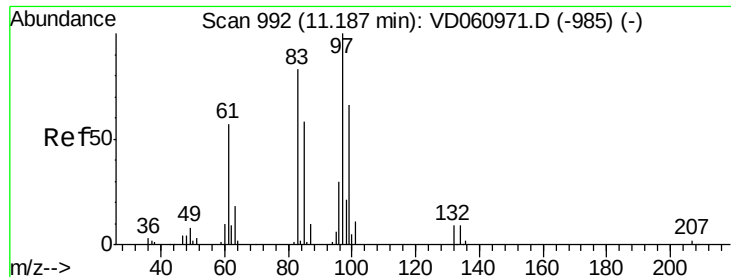


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.707 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

Tot Ion: 97 Resp: 116484

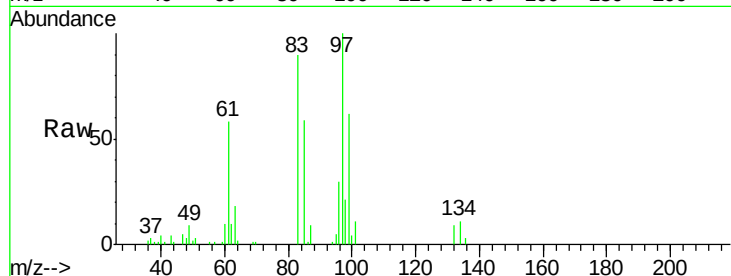
Ion Ratio Lower Upper

97 100

83 90.3 66.6 100.0

85 59.2 46.4 69.6

99 61.7 52.4 78.6

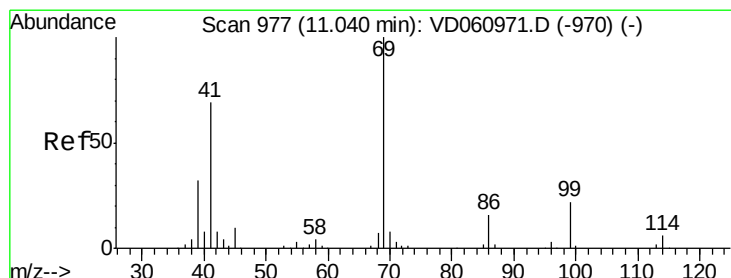
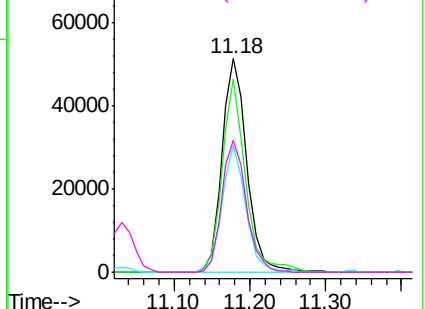
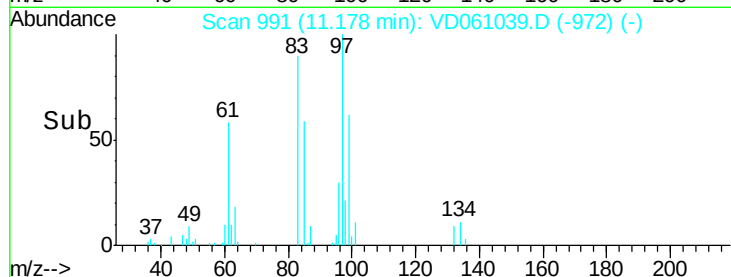


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.230 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

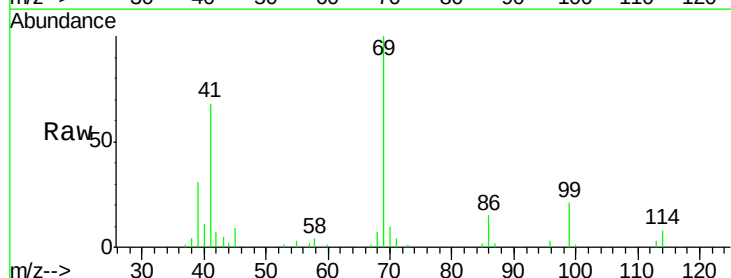
Tgt Ion: 69 Resp: 119116

Ion Ratio Lower Upper

69 100

41 68.3 55.5 83.3

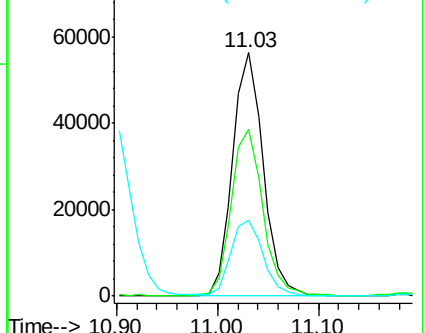
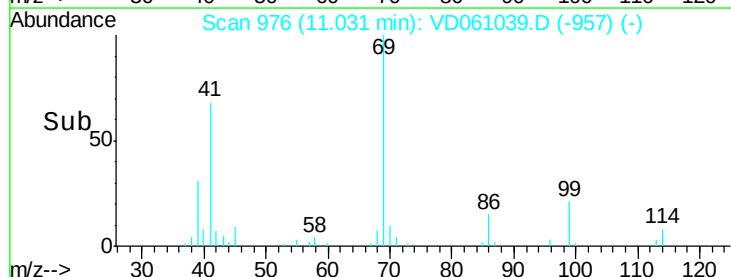
39 31.2 26.2 39.2

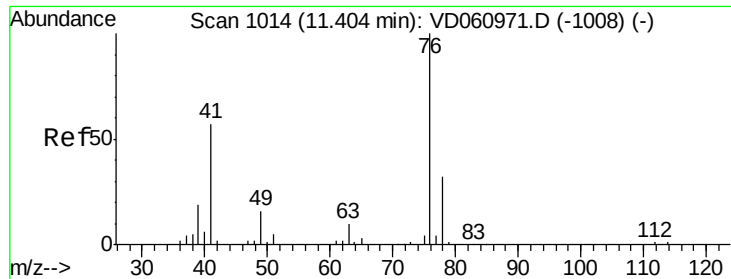


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

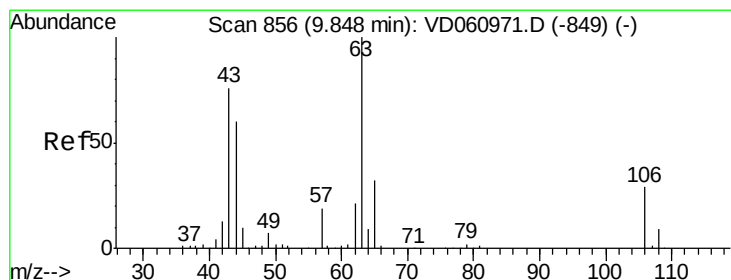
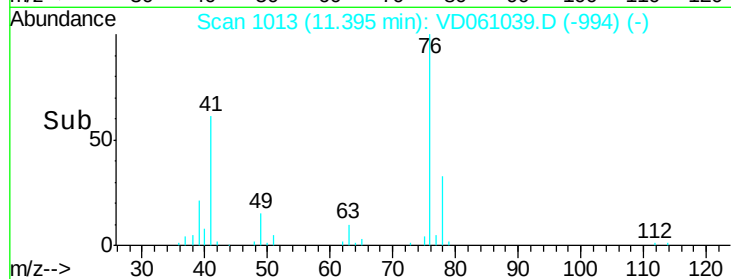
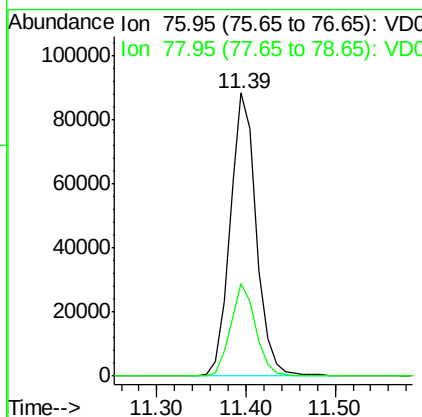
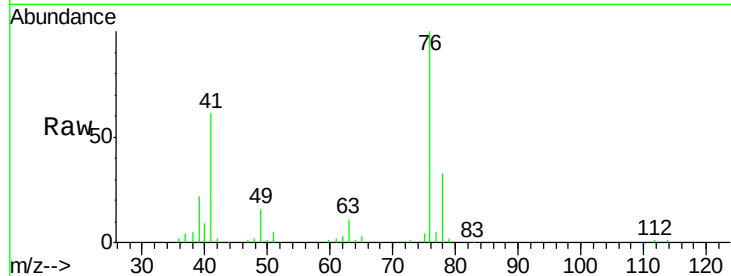
Ion 38.95 (38.65 to 39.65): VDC





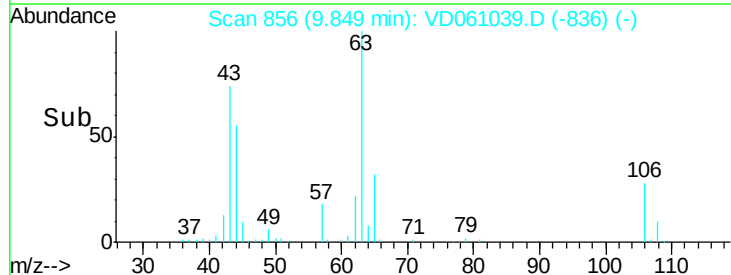
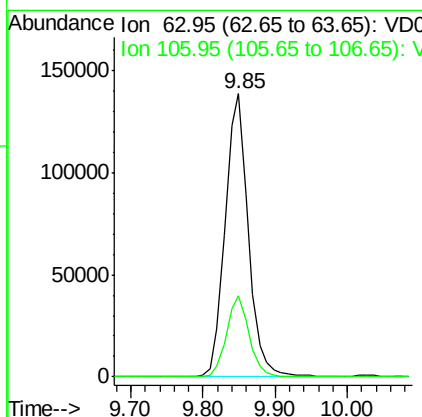
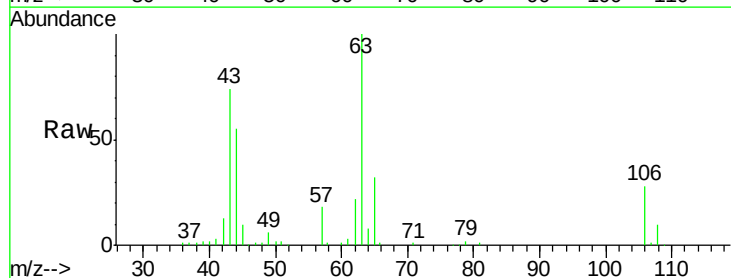
#57
 1,3-Dichloropropane
 Concen: 21.632 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

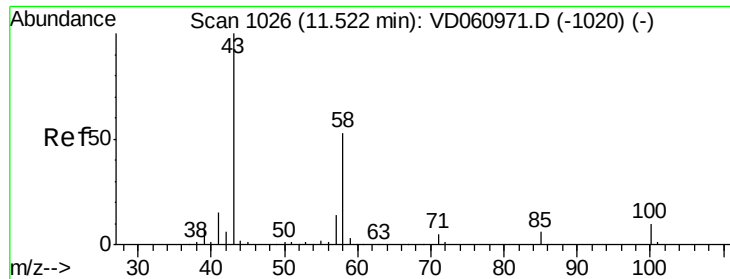
Tot Ion: 76 Resp: 181856
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.007 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

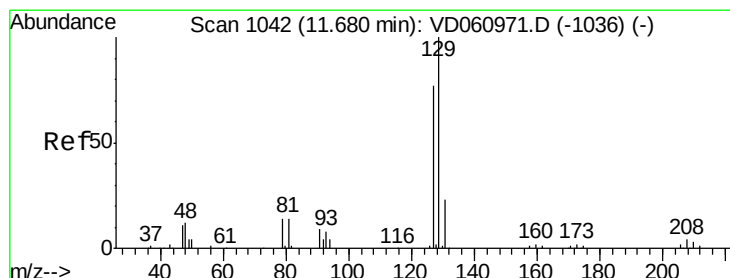
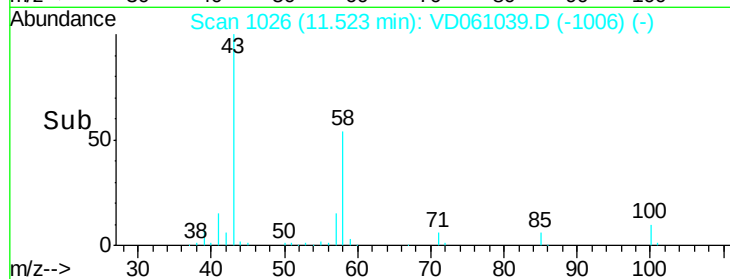
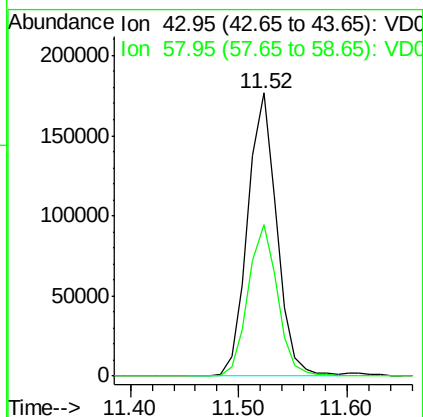
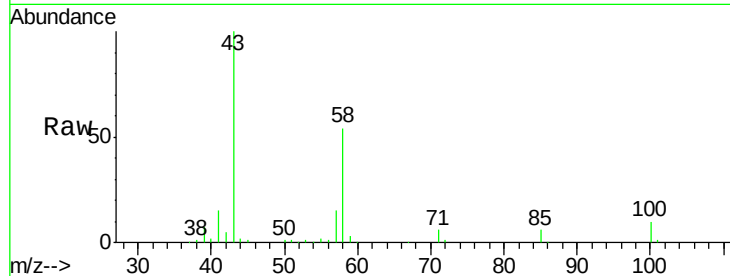
Tgt Ion: 63 Resp: 308583
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.8 34.2





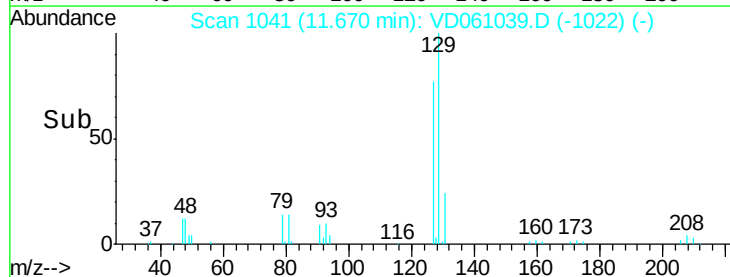
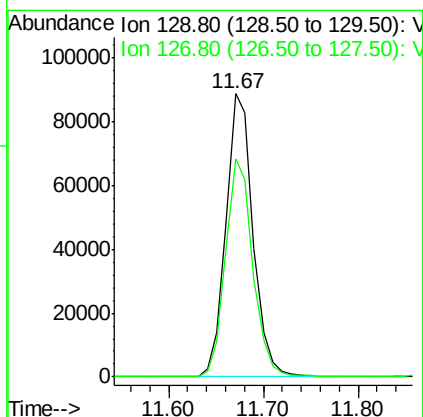
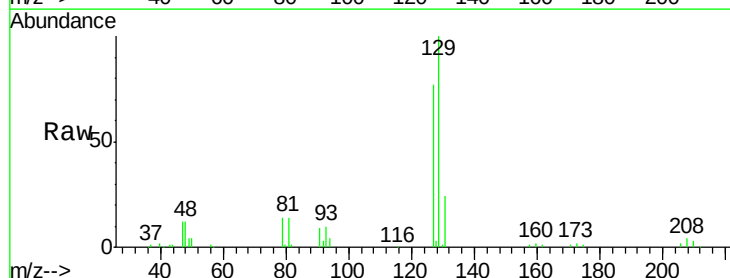
#59
2-Hexanone
Concen: 104.802 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

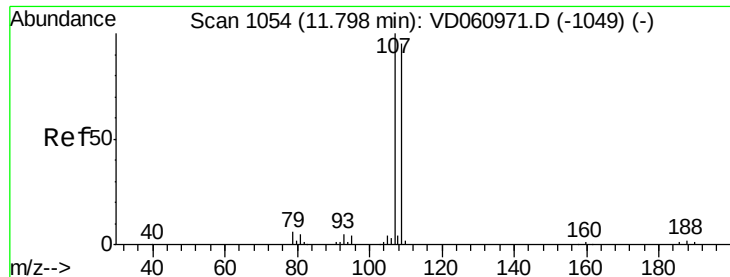
Tot Ion: 43 Resp: 331850
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5



#60
Dibromochloromethane
Concen: 21.249 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion: 129 Resp: 175919
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.673 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD061039.D

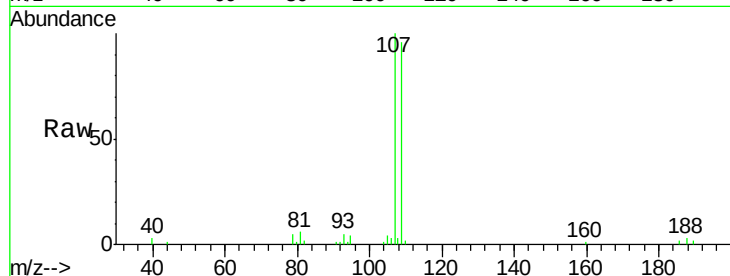
Acq: 13 Mar 2019 13:50

Tot Ion:107 Resp: 135284

Ion Ratio Lower Upper

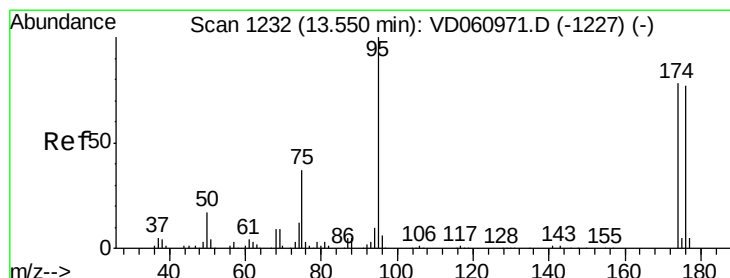
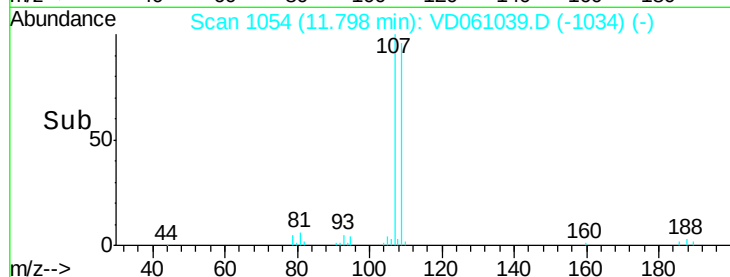
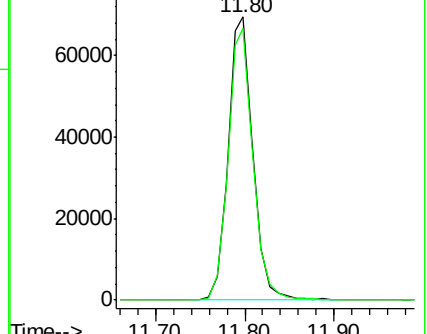
107 100

109 96.1 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: 20.673 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

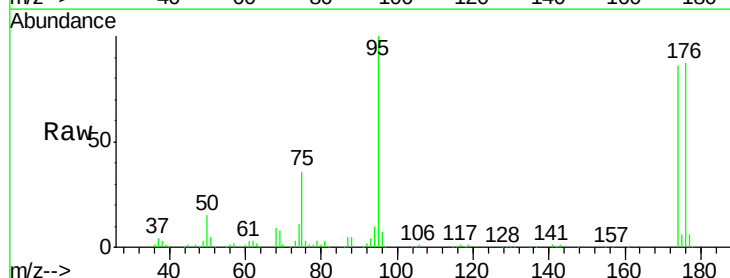
Tgt Ion: 95 Resp: 440653

Ion Ratio Lower Upper

95 100

174 86.1 0.0 155.6

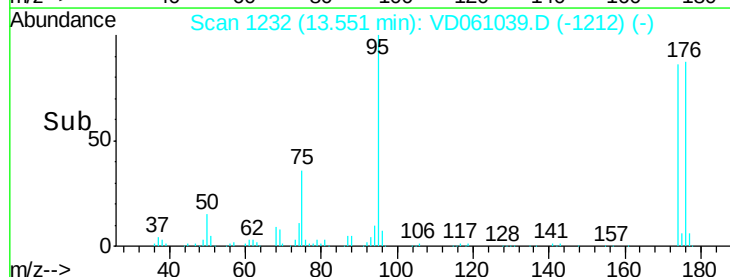
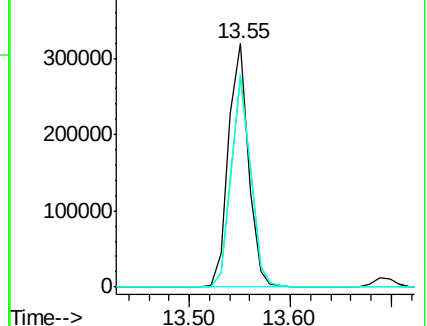
176 87.3 0.0 153.8

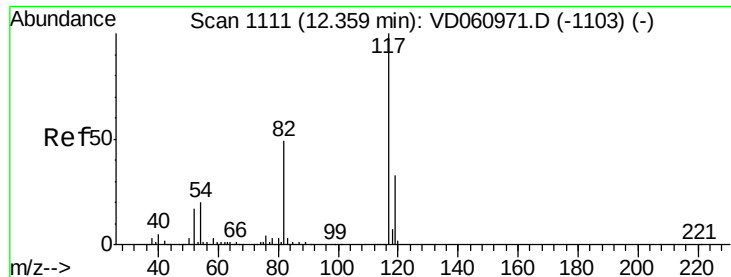


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

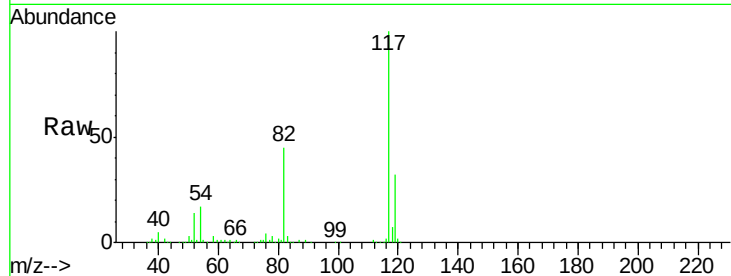




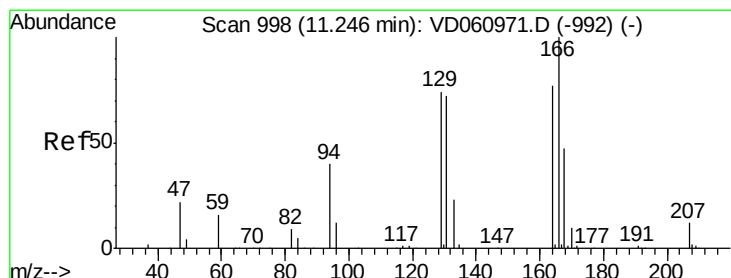
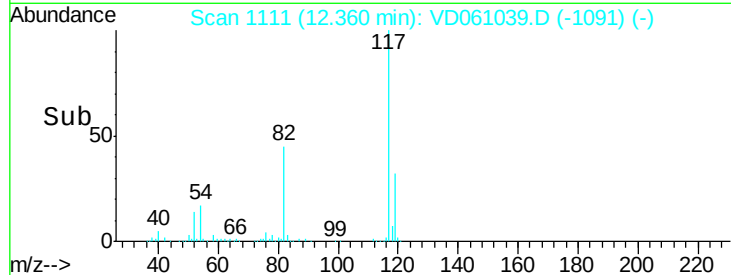
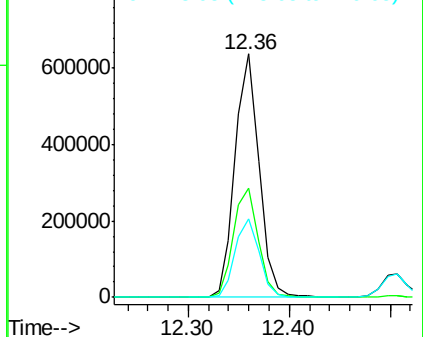
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion:117 Resp: 1060017

Ion	Ratio	Lower	Upper
117	100		
82	44.8	38.9	58.3
119	32.5	26.6	39.8



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

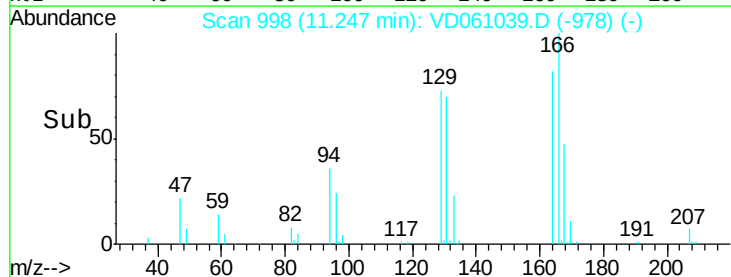
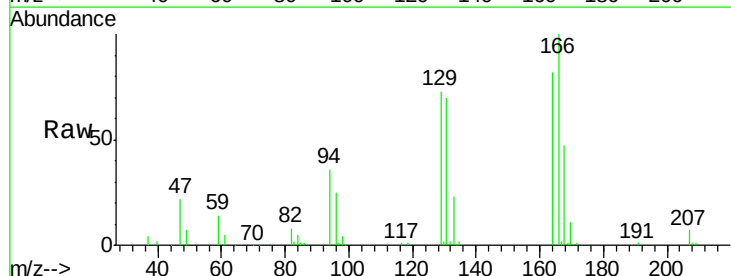
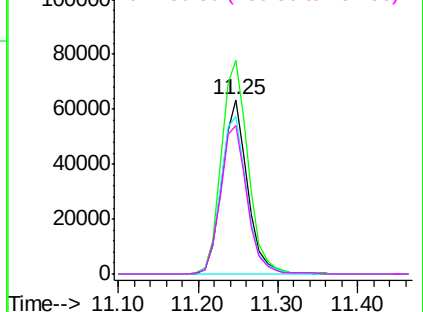


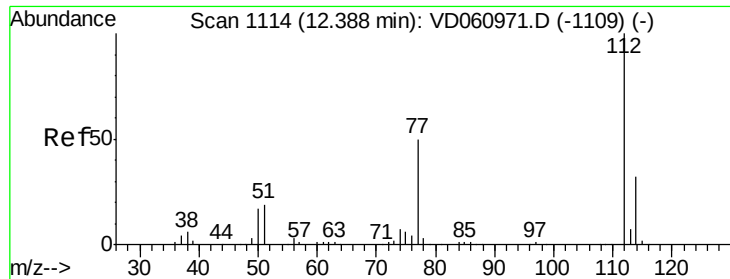
#64
Tetrachloroethene
Concen: 19.957 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion:164 Resp: 142801

Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.4	155.0
129	90.0	76.9	115.3
131	85.5	74.4	111.6

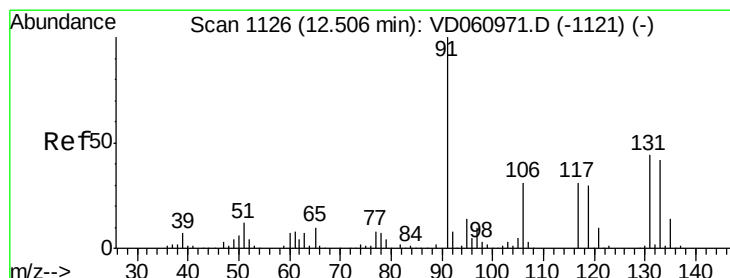
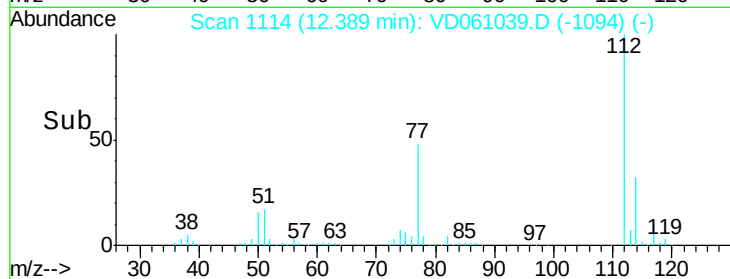
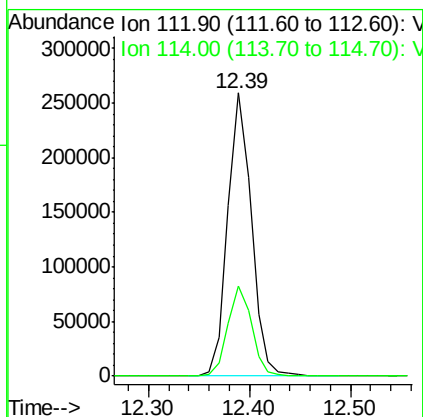
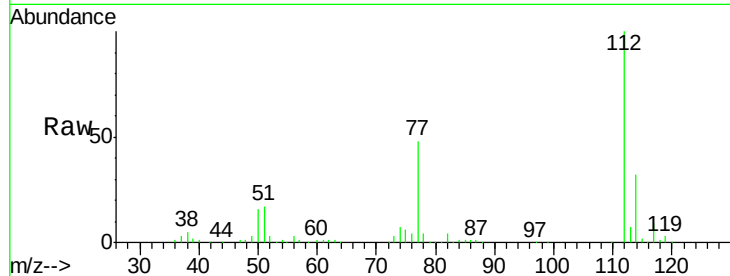
Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





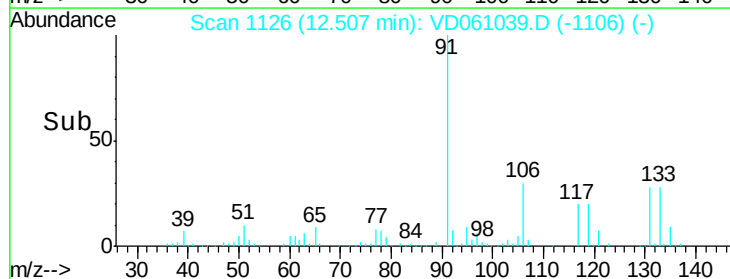
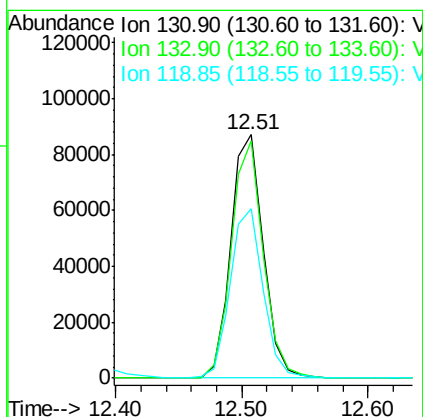
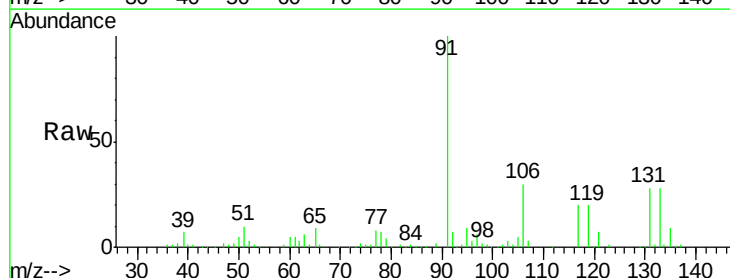
#65
Chlorobenzene
Concen: 20.346 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

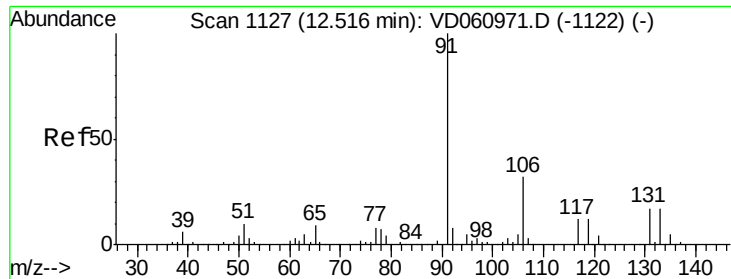
Tot Ion:112 Resp: 422800
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.771 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

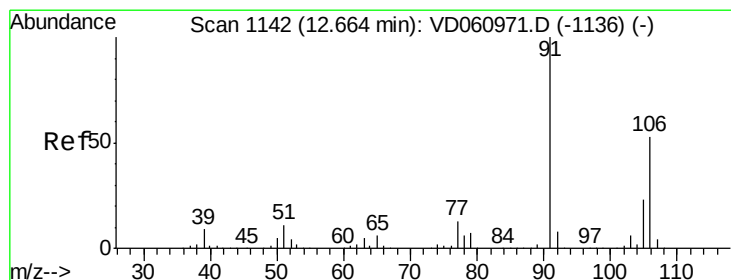
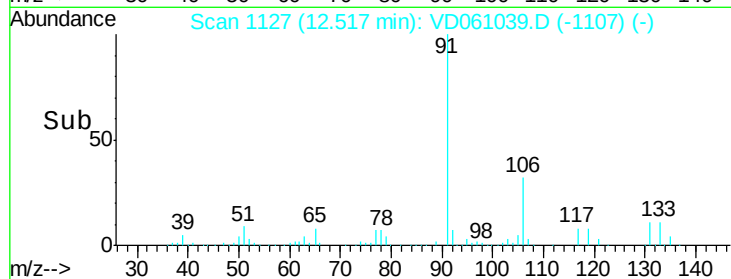
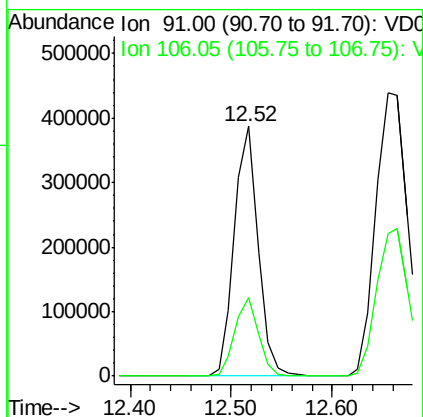
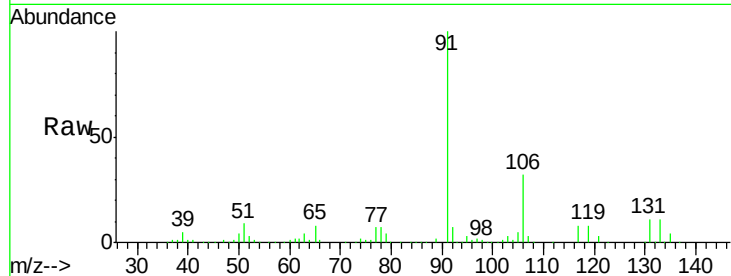
Tgt Ion:131 Resp: 153856
Ion Ratio Lower Upper
131 100
133 97.4 47.8 143.3
119 69.8 34.3 102.9





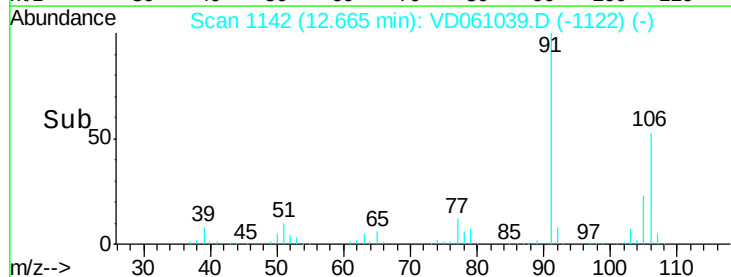
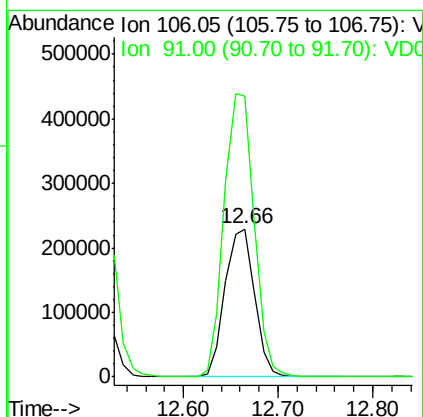
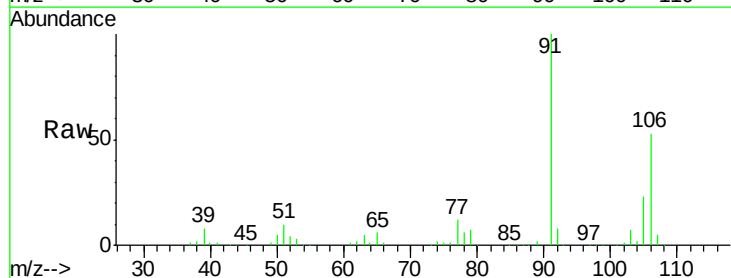
#67
Ethyl Benzene
Concen: 20.481 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

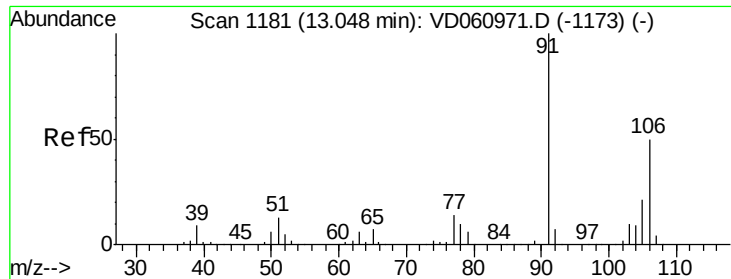
Tot Ion: 91 Resp: 633620
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 40.875 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

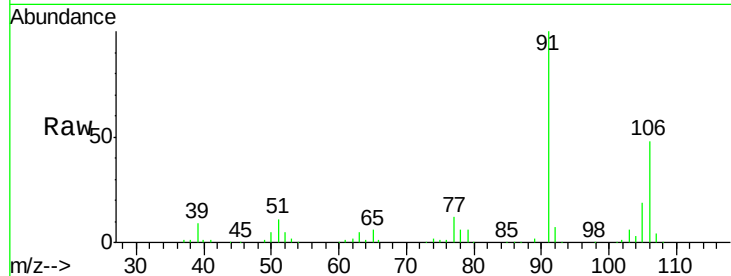
Tgt Ion: 106 Resp: 496339
Ion Ratio Lower Upper
106 100
91 189.4 152.0 228.0



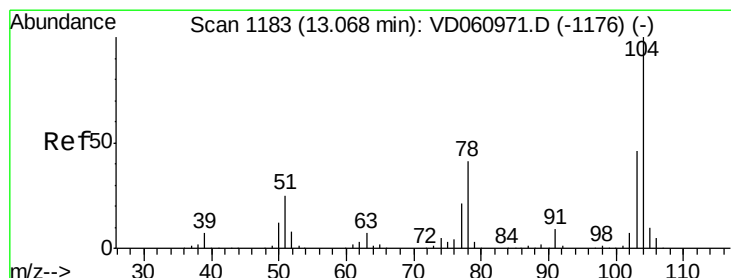
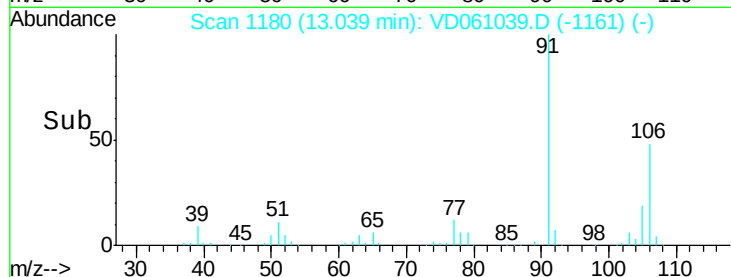
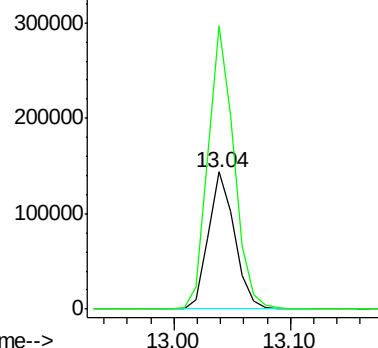


#69
o-Xylene
Concen: 18.655 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tot Ion:106 Resp: 222669
Ion Ratio Lower Upper
106 100
91 206.6 99.8 299.3

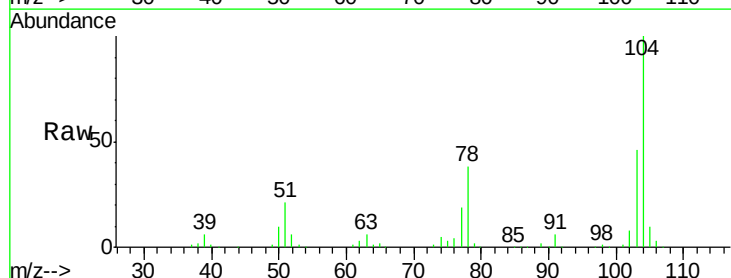


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

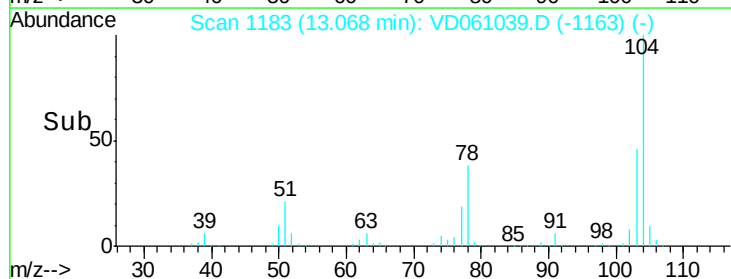
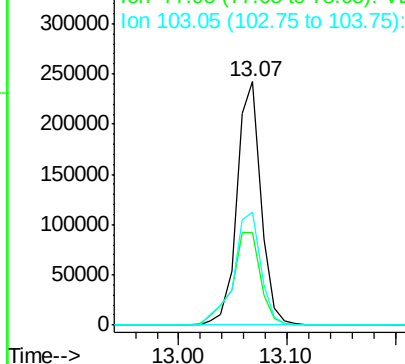


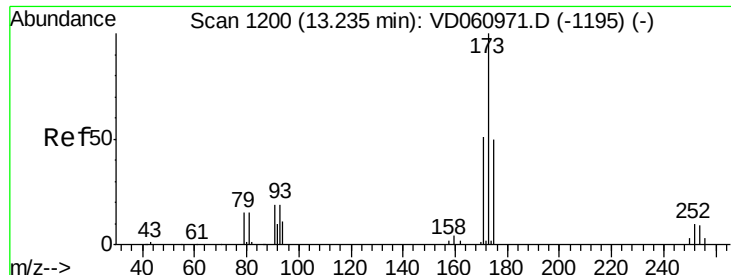
#70
Styrene
Concen: 19.159 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061039.D
Acq: 13 Mar 2019 13:50

Tgt Ion:104 Resp: 373419
Ion Ratio Lower Upper
104 100
78 38.1 33.0 49.4
103 46.4 37.1 55.7



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





#71

Bromoform

Concen: 19.699 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

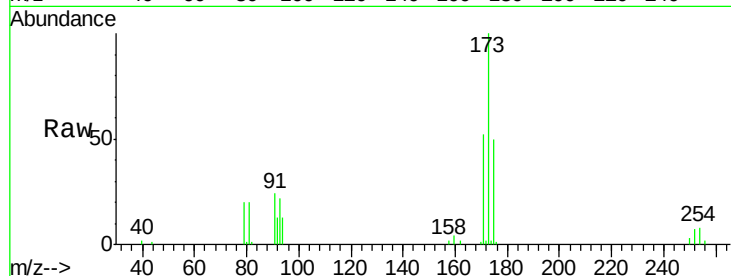
Tot Ion:173 Resp: 94133

Ion Ratio Lower Upper

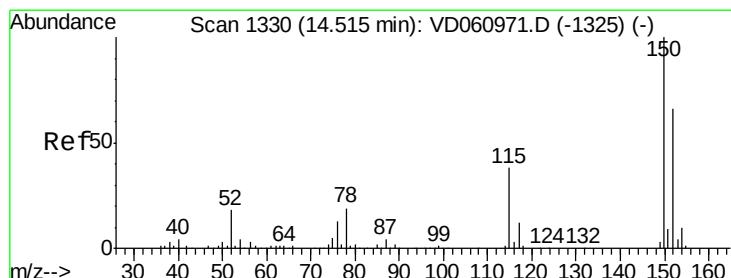
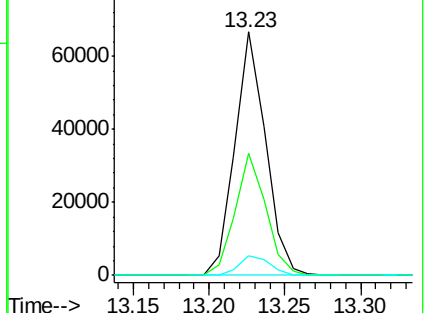
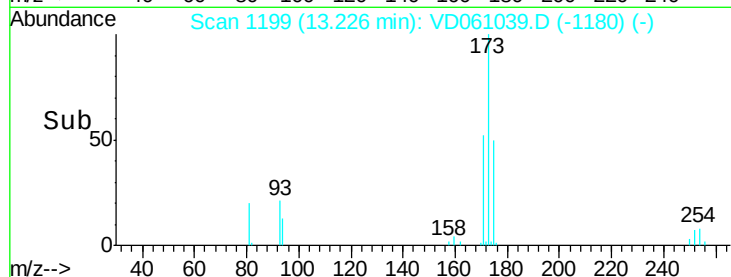
173 100

175 50.4 24.9 74.8

254 8.0 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: VD061039.D

Acq: 13 Mar 2019 13:50

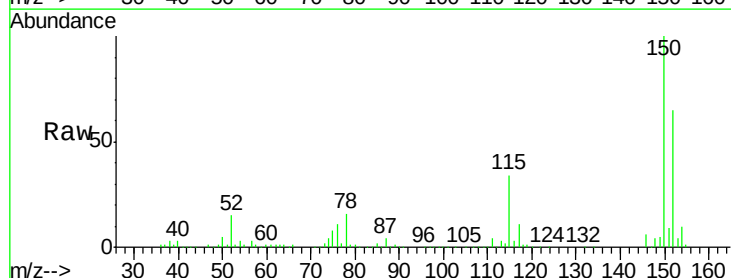
Tgt Ion:152 Resp: 464524

Ion Ratio Lower Upper

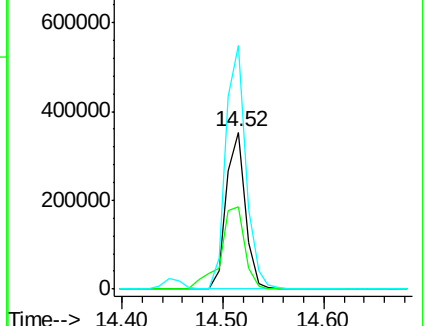
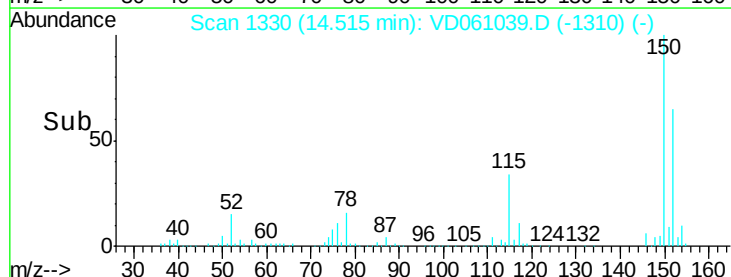
152 100

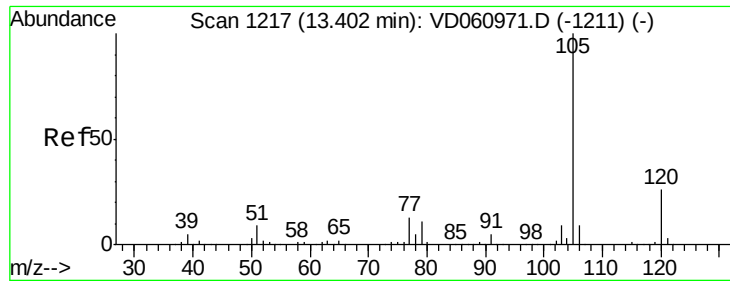
115 52.7 28.6 85.9

150 155.0 0.0 310.6



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





#73

Isopropylbenzene

Concen: 17.371 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061039.D

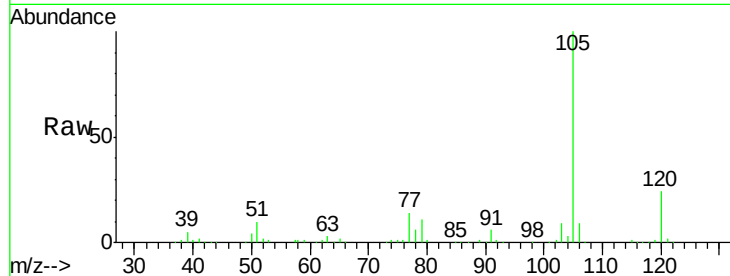
Acq: 13 Mar 2019 13:50

Tot Ion:105 Resp: 581536

Ion Ratio Lower Upper

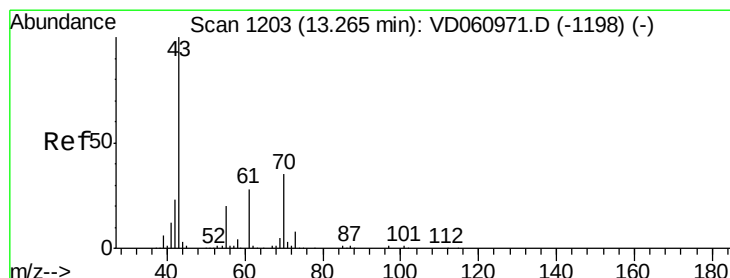
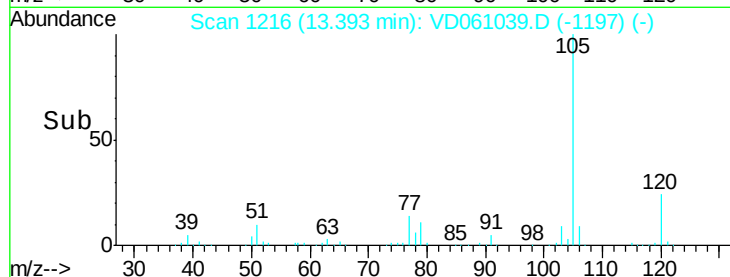
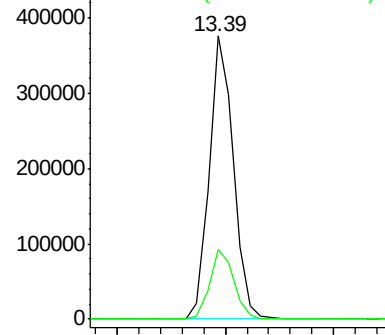
105 100

120 24.4 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: 19.078 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

Tgt Ion: 43 Resp: 179833

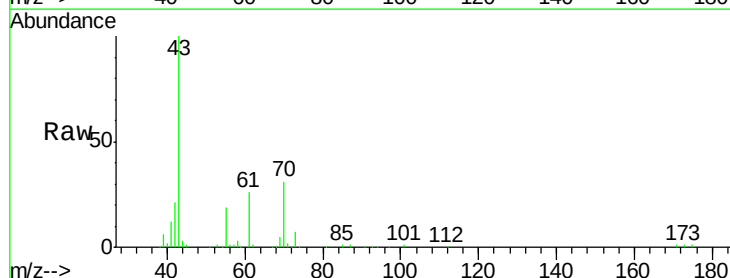
Ion Ratio Lower Upper

43 100

70 31.3 27.7 41.5

55 19.1 16.2 24.2

61 26.4 22.3 33.5

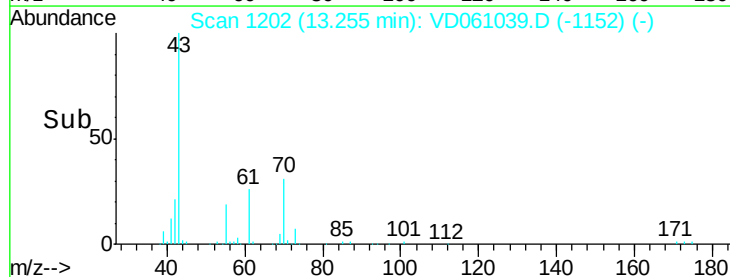
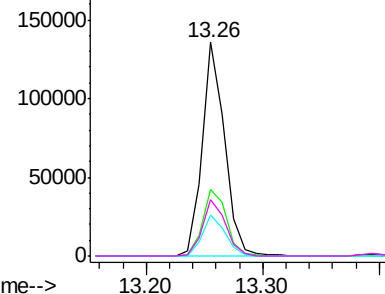


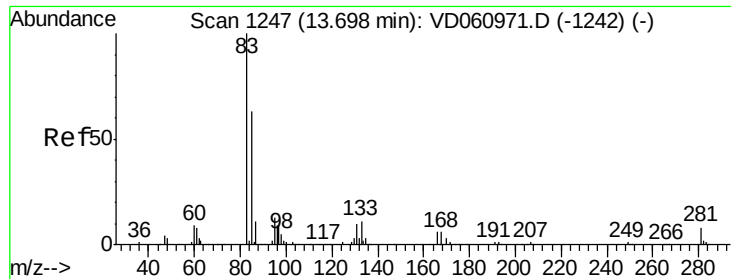
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.182 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

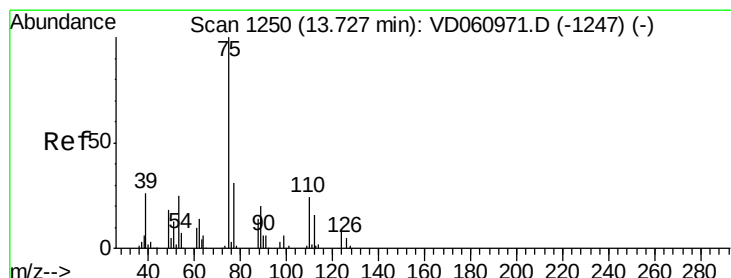
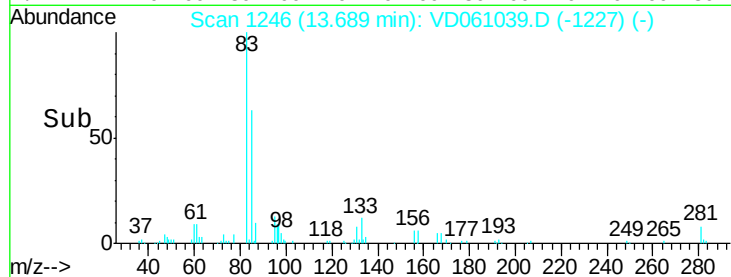
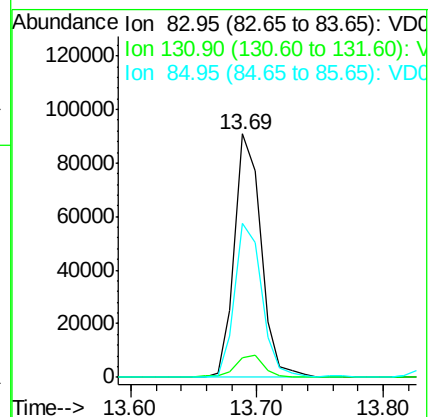
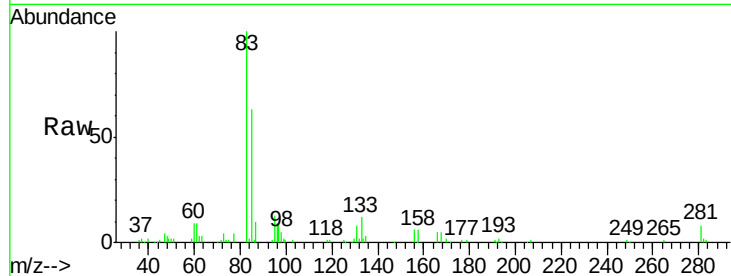
Tot Ion: 83 Resp: 131821

Ion Ratio Lower Upper

83 100

131 7.9 5.1 15.3

85 63.3 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 19.327 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061039.D

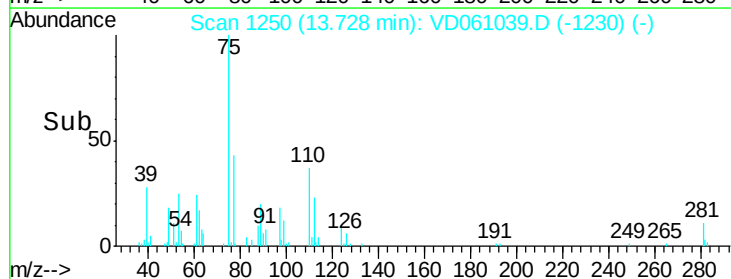
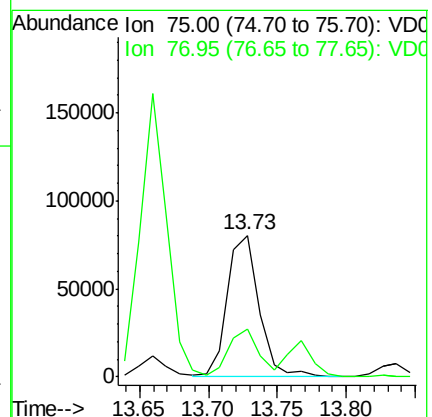
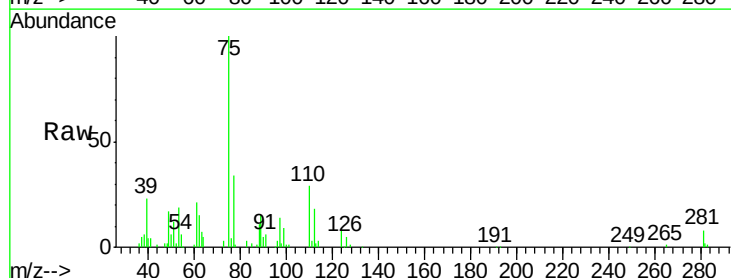
Acq: 13 Mar 2019 13:50

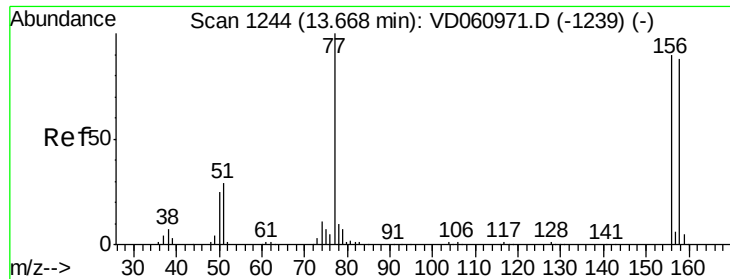
Tgt Ion: 75 Resp: 129162

Ion Ratio Lower Upper

75 100

77 33.8 16.6 49.7





#77

Bromobenzene

Concen: 20.152 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

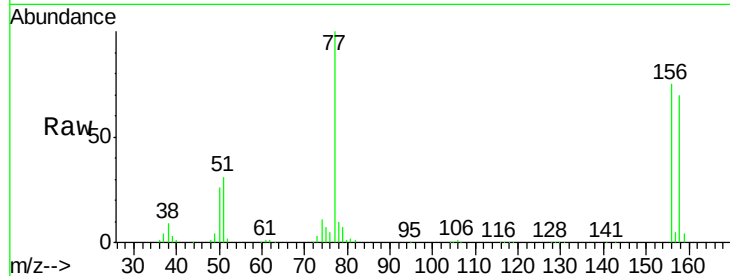
Tot Ion:156 Resp: 172213

Ion Ratio Lower Upper

156 100

77 134.2 55.5 166.7

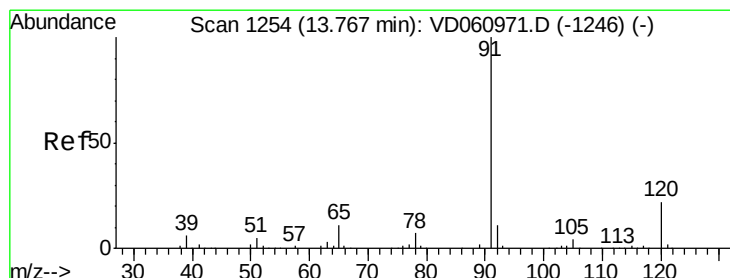
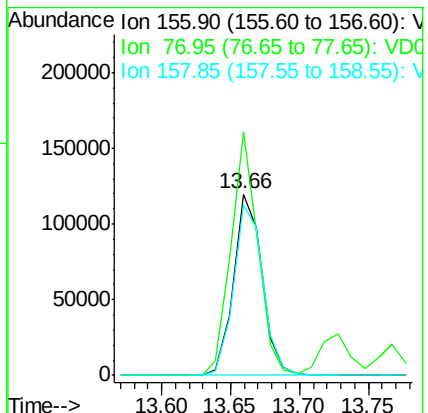
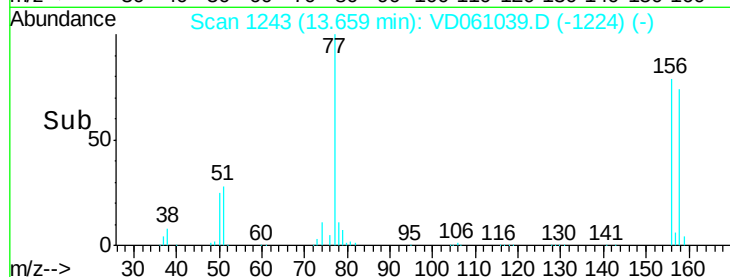
158 93.8 49.0 147.0



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: 19.385 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061039.D

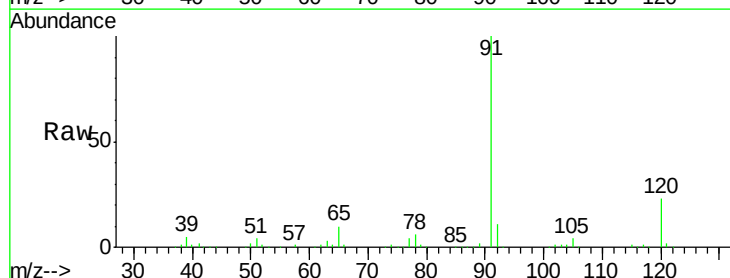
Acq: 13 Mar 2019 13:50

Tgt Ion: 91 Resp: 759732

Ion Ratio Lower Upper

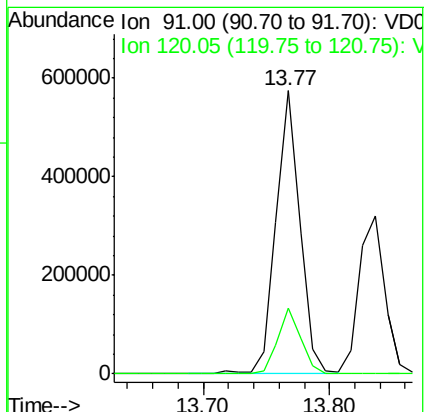
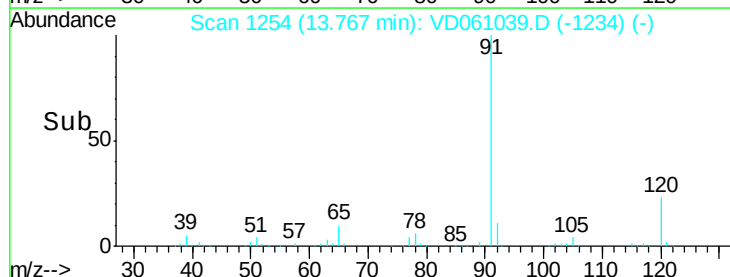
91 100

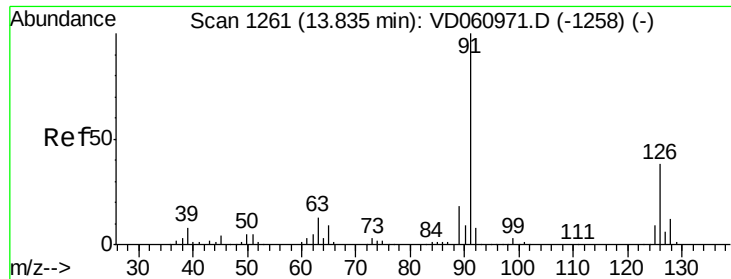
120 23.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

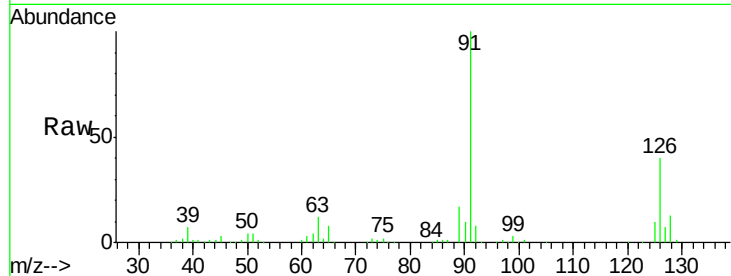
Ion 120.05 (119.75 to 120.75): V



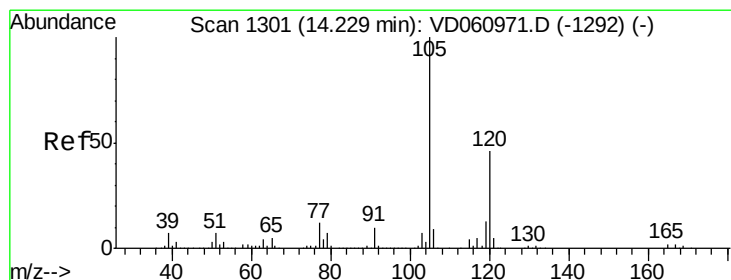
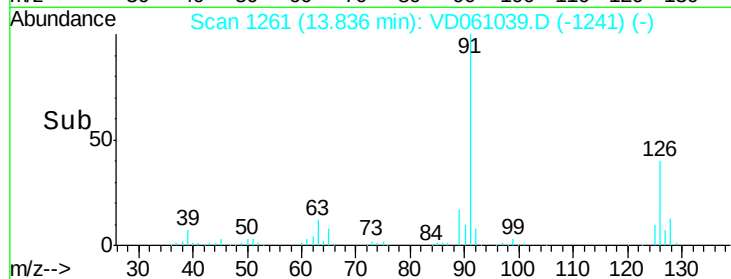
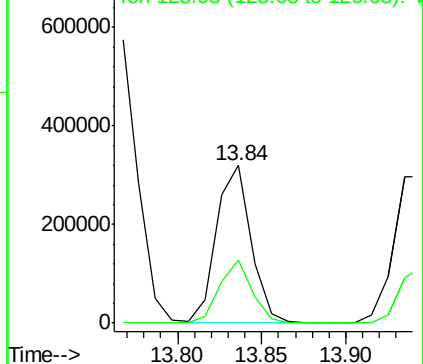


#79
 2-Chlorotoluene
 Concen: 21.079 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tot Ion: 91 Resp: 454815
 Ion Ratio Lower Upper
 91 100
 126 39.8 18.6 55.6

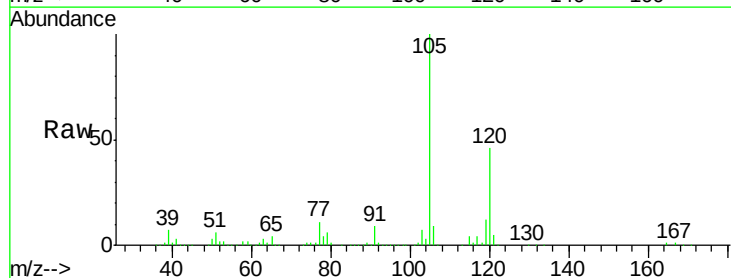


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

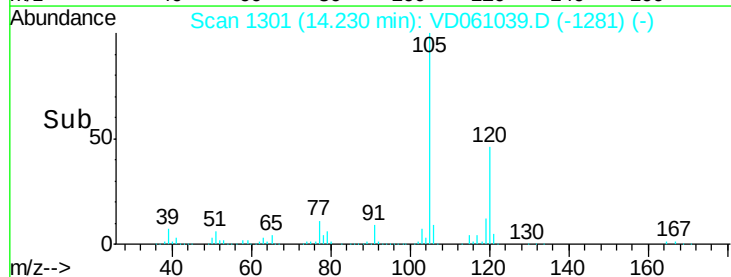
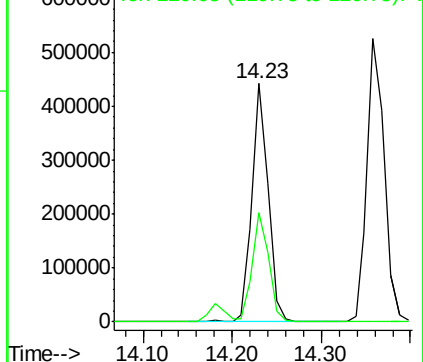


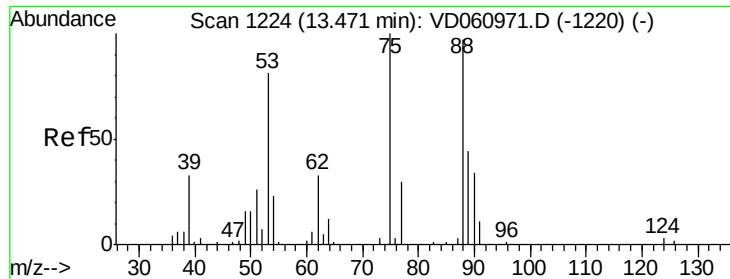
#80
 1,3,5-Trimethylbenzene
 Concen: 21.847 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tgt Ion: 105 Resp: 555225
 Ion Ratio Lower Upper
 105 100
 120 46.1 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: 20.751 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

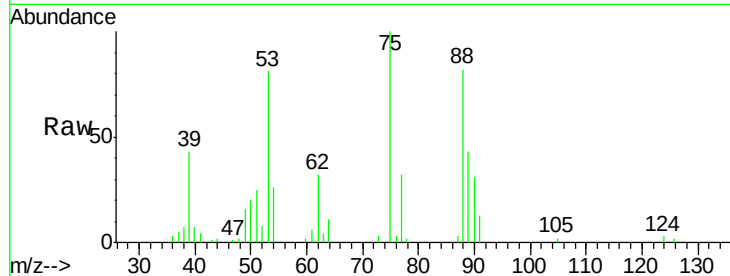
Tot Ion: 75 Resp: 40886

Ion Ratio Lower Upper

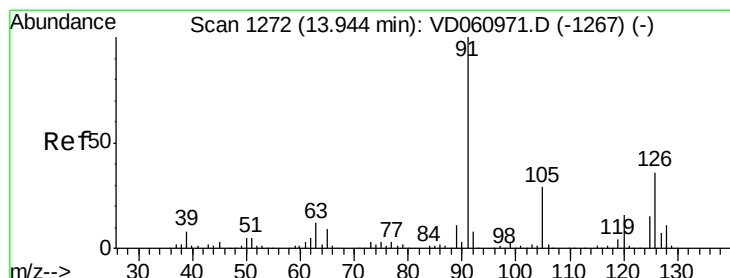
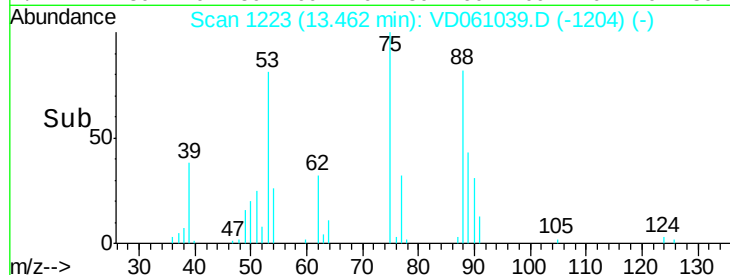
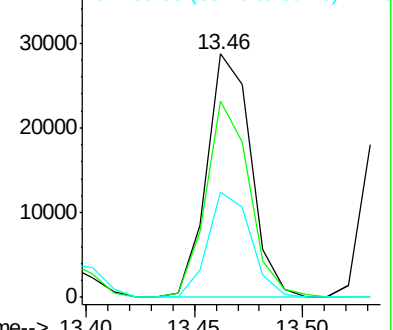
75 100

53 80.6 64.4 96.6

89 43.3 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: 18.881 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061039.D

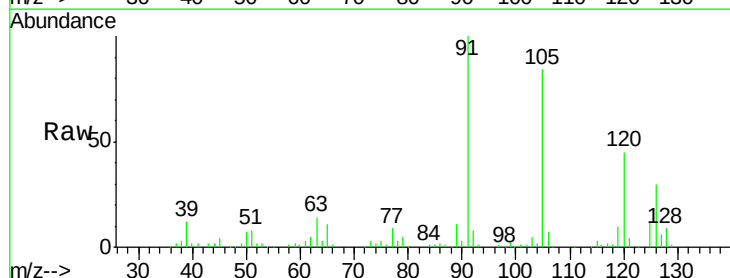
Acq: 13 Mar 2019 13:50

Tgt Ion: 91 Resp: 481605

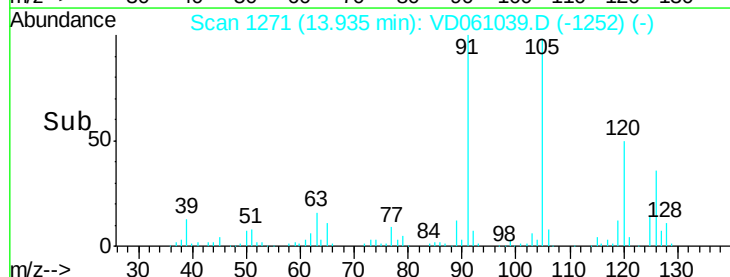
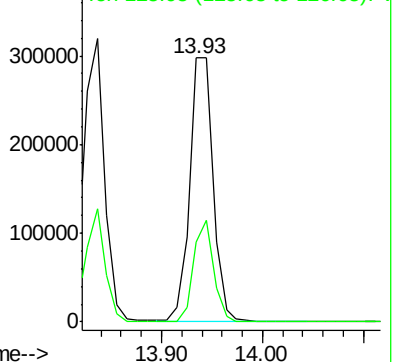
Ion Ratio Lower Upper

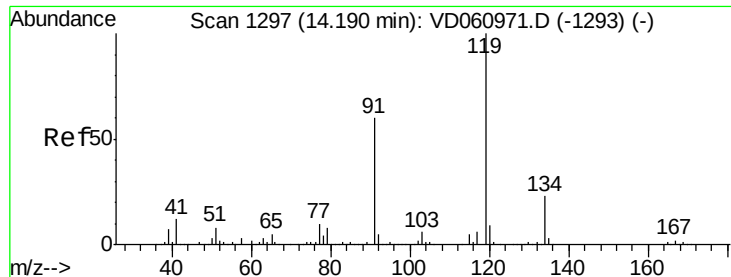
91 100

126 30.5 18.0 54.0



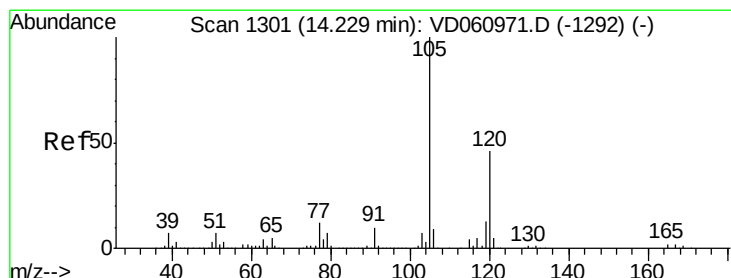
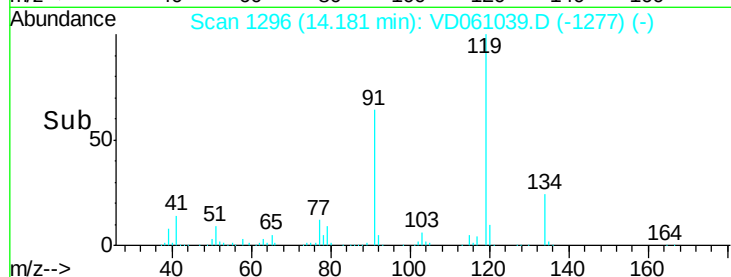
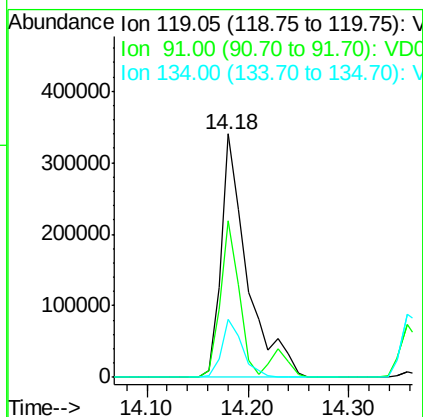
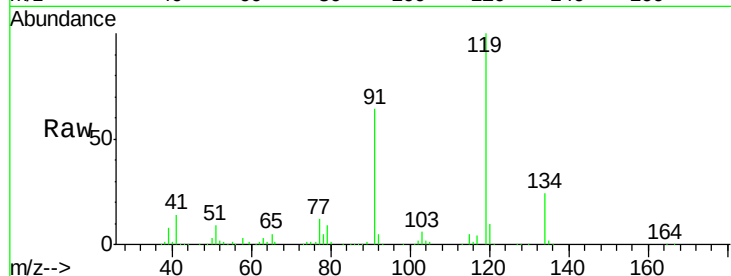
Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





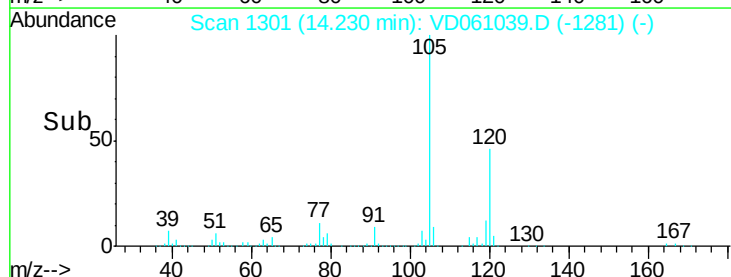
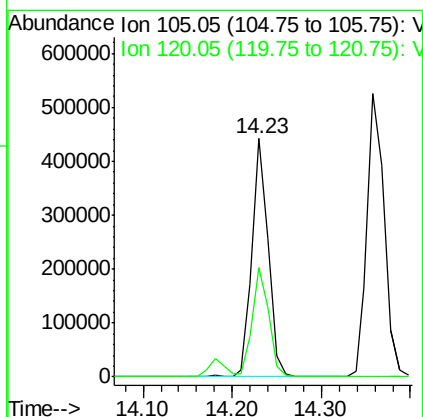
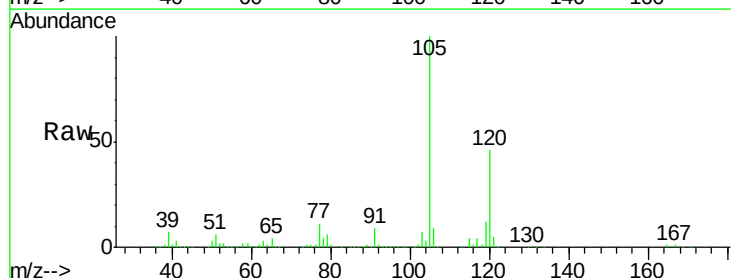
#83
 tert-Butylbenzene
 Concen: 22.138 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

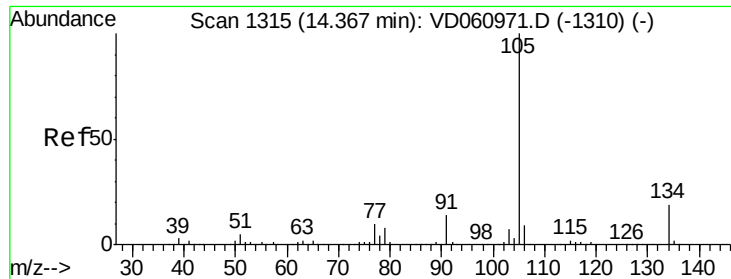
Tot Ion:119 Resp: 615745
 Ion Ratio Lower Upper
 119 100
 91 64.3 30.1 90.3
 134 23.8 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.847 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

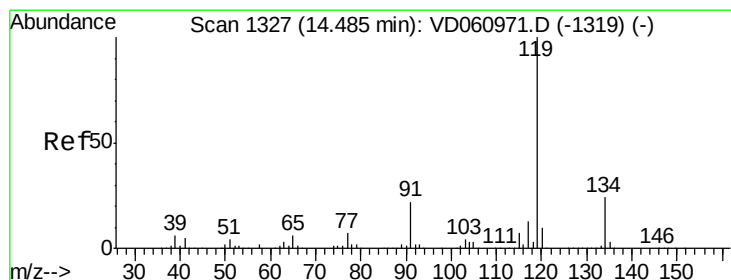
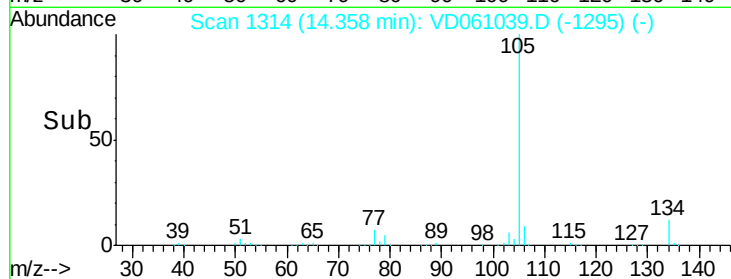
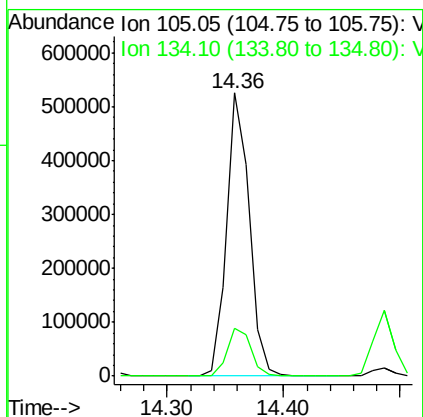
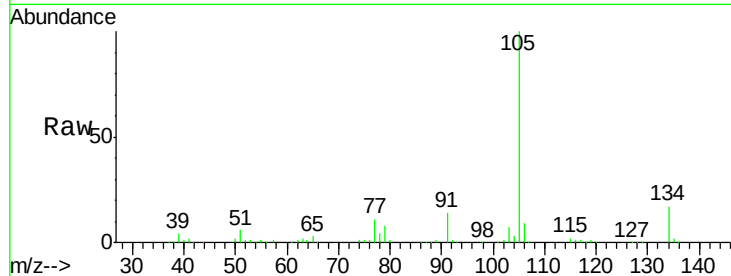
Tgt Ion:105 Resp: 555225
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.5





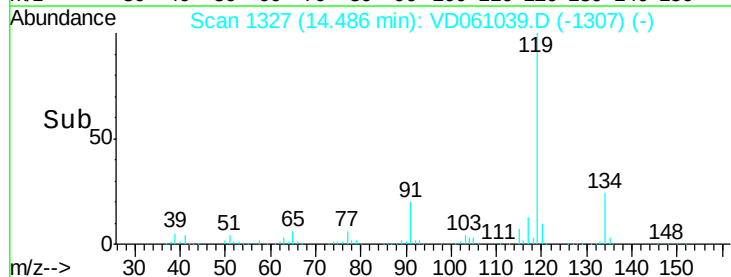
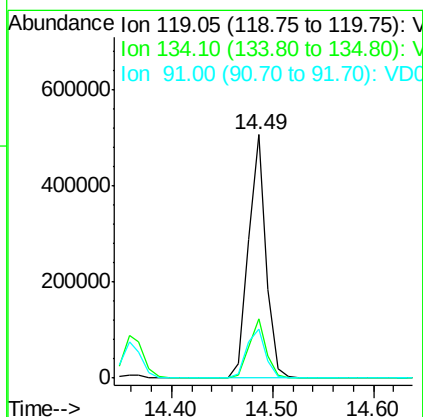
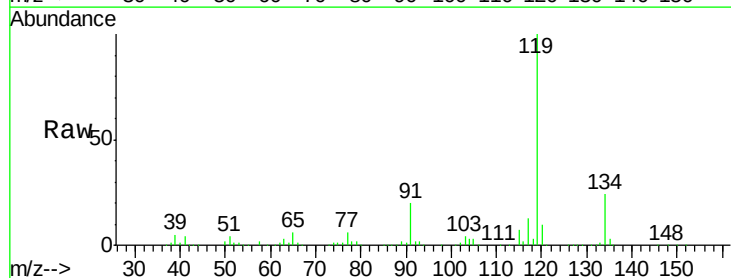
#85
 sec-Butylbenzene
 Concen: 20.858 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

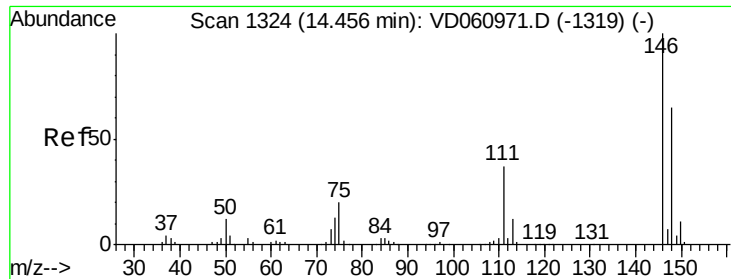
Tot Ion:105 Resp: 708215
 Ion Ratio Lower Upper
 105 100
 134 16.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.163 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

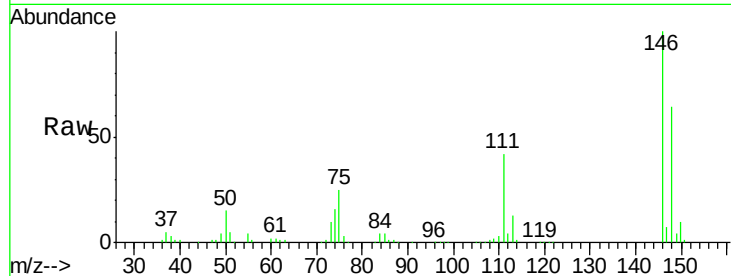
Tgt Ion:119 Resp: 615124
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.0 36.1
 91 20.2 11.2 33.6



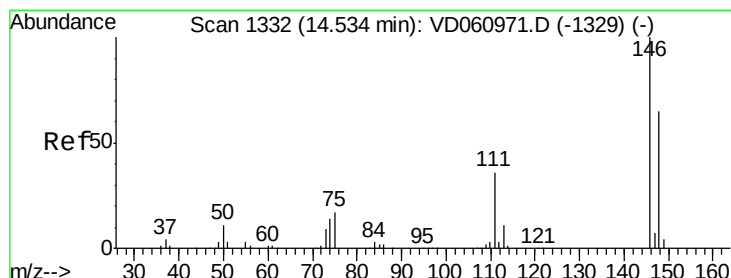
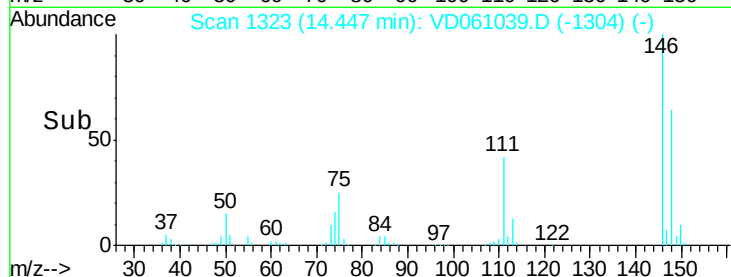
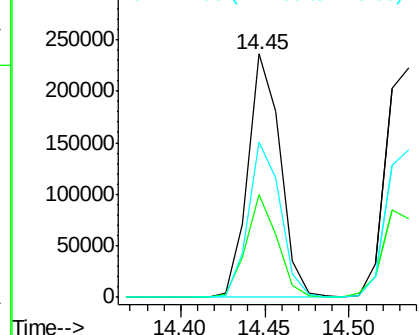


#87
 1,3-Dichlorobenzene
 Concen: 20.698 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tot Ion:146 Resp: 315846
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.4 55.4
 148 63.6 32.5 97.4

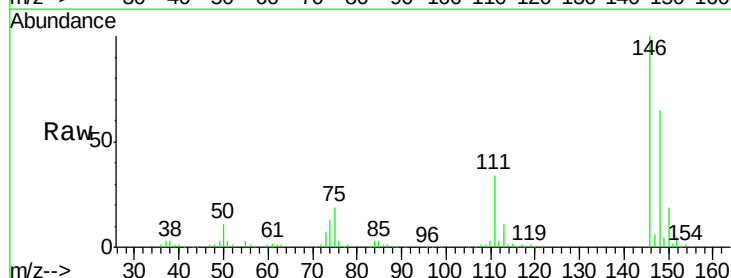


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

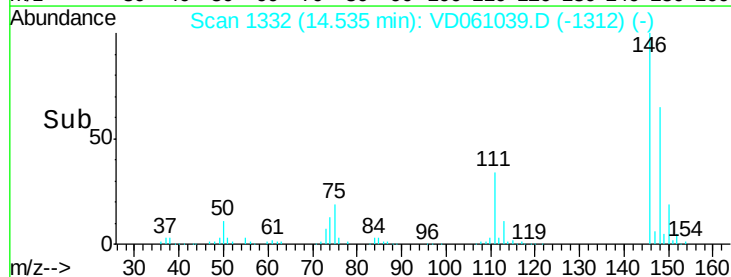
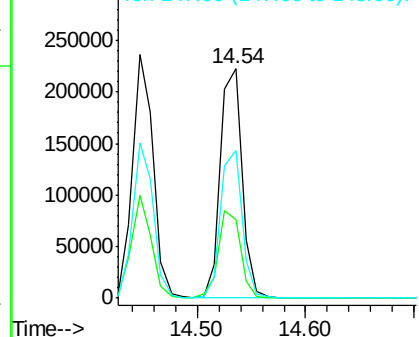


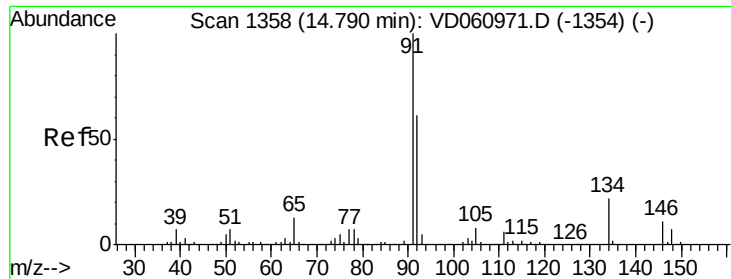
#88
 1,4-Dichlorobenzene
 Concen: 20.786 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tgt Ion:146 Resp: 311689
 Ion Ratio Lower Upper
 146 100
 111 34.4 18.4 55.2
 148 64.6 32.5 97.5



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





#89

n-Butylbenzene

Concen: 19.149 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

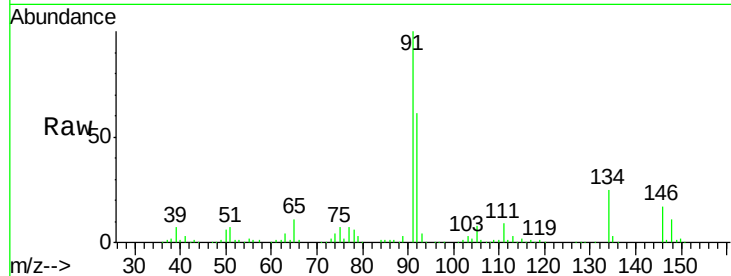
Tot Ion: 91 Resp: 510374

Ion Ratio Lower Upper

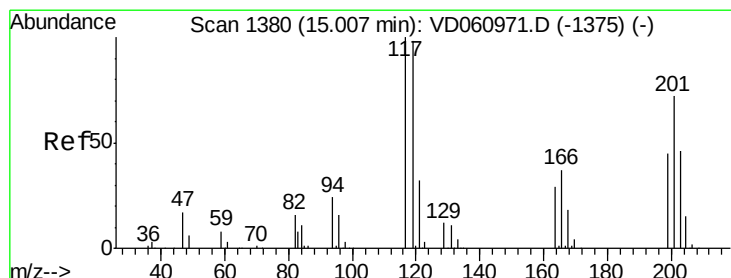
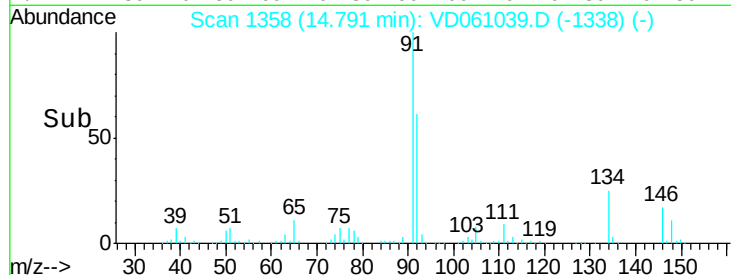
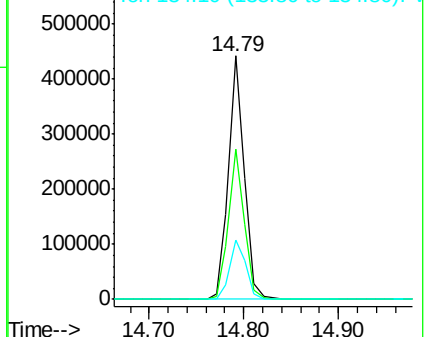
91 100

92 61.4 30.6 91.8

134 24.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.739 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061039.D

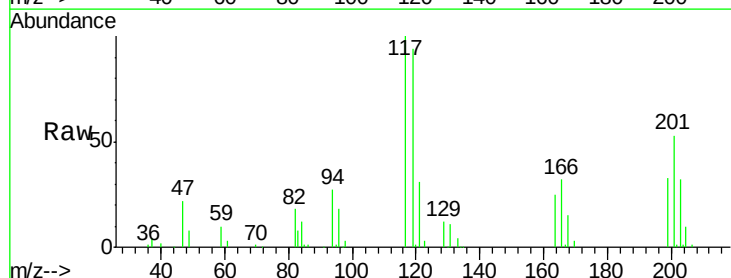
Acq: 13 Mar 2019 13:50

Tgt Ion: 117 Resp: 146861

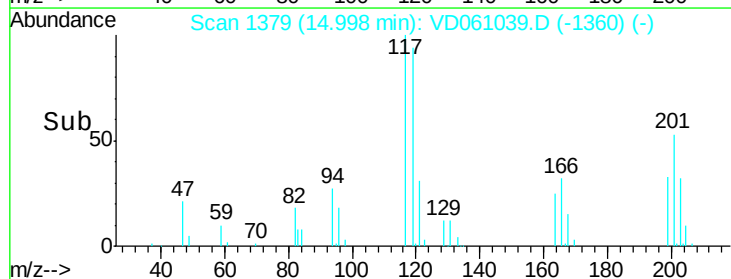
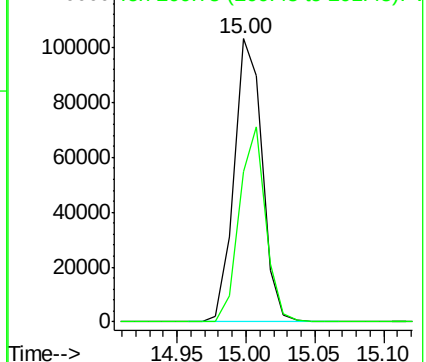
Ion Ratio Lower Upper

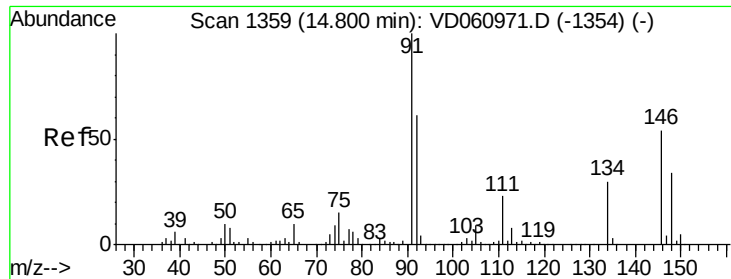
117 100

201 53.3 36.2 108.6



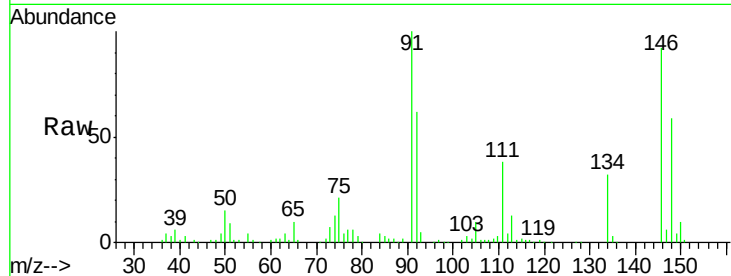
Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91
 1,2-Dichlorobenzene
 Concen: 20.205 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

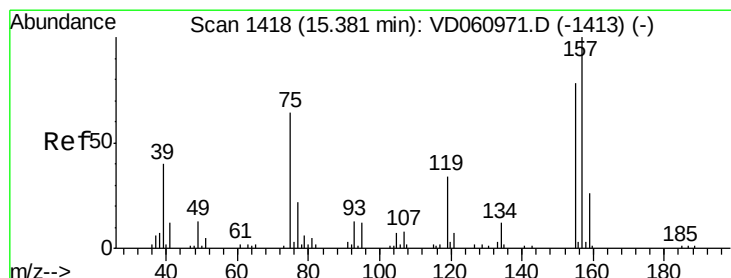
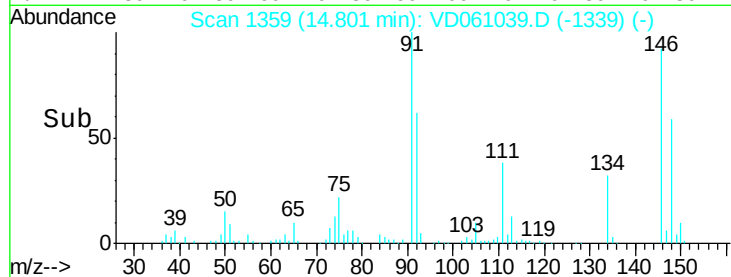
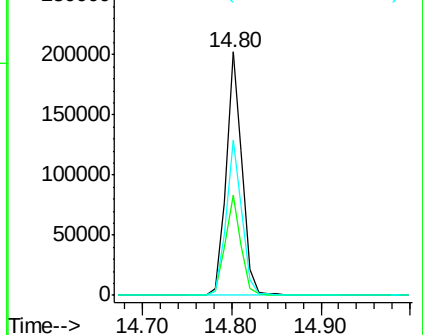
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.5	64.5
148	63.9	30.9	92.8



Abundance Ion 145.95 (145.65 to 146.65): V

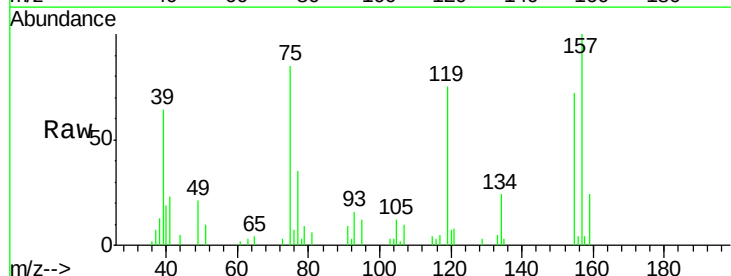
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.467 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

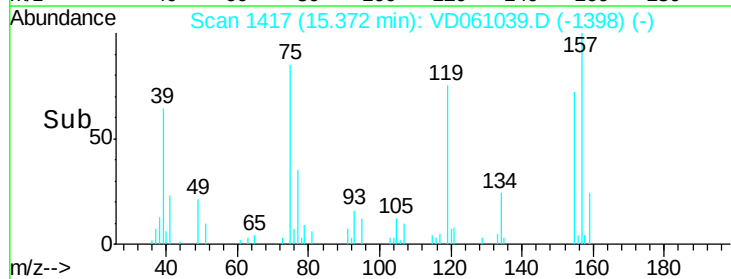
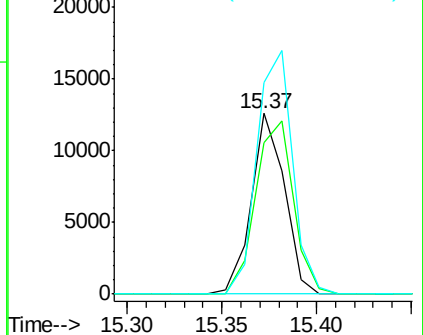
Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	61.2	183.5
157	117.3	78.3	234.8

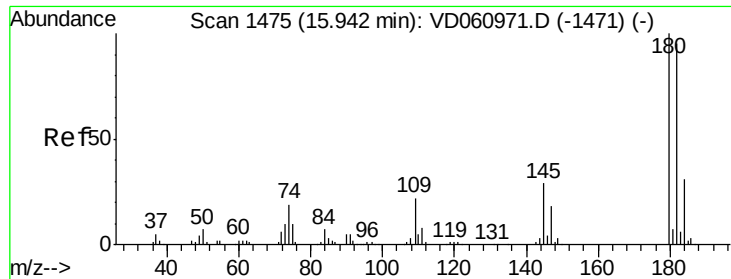


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

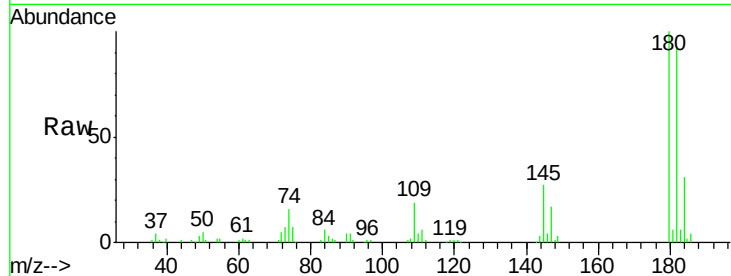
Ion 156.85 (156.55 to 157.55): V



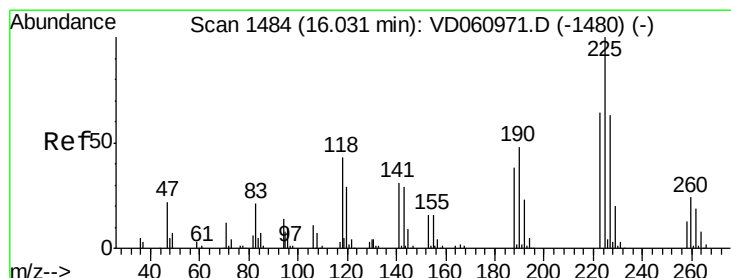
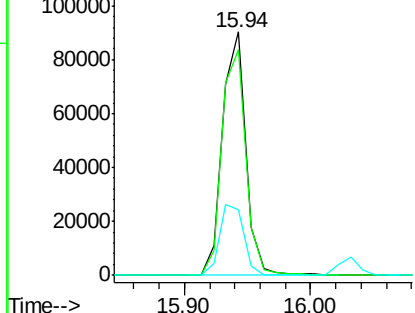
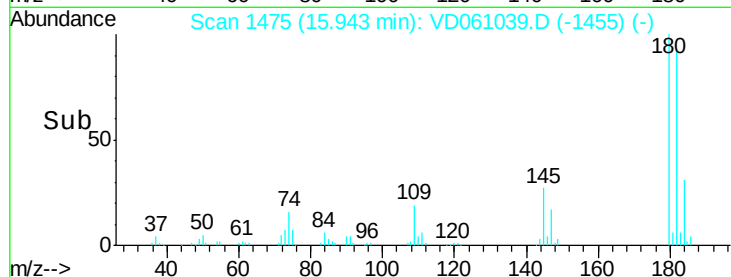


#93
 1,2,4-Trichlorobenzene
 Concen: 19.513 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.3	142.0
145	26.8	14.4	43.0

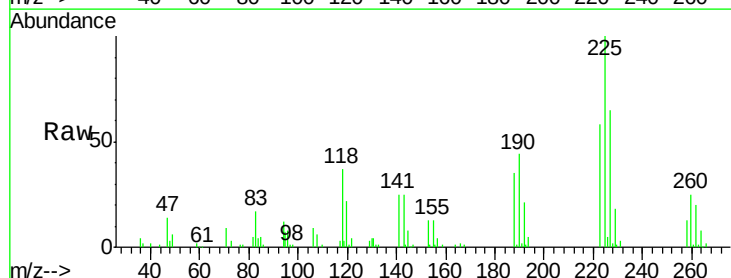


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

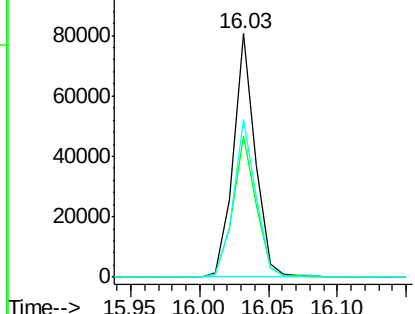
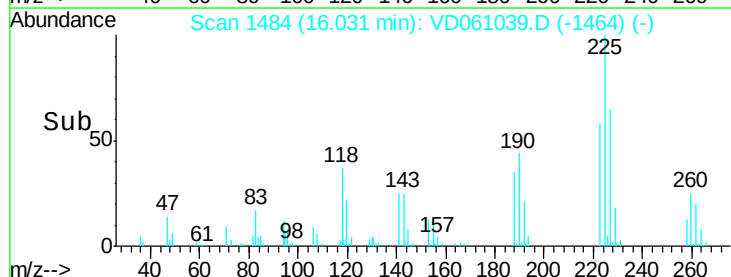


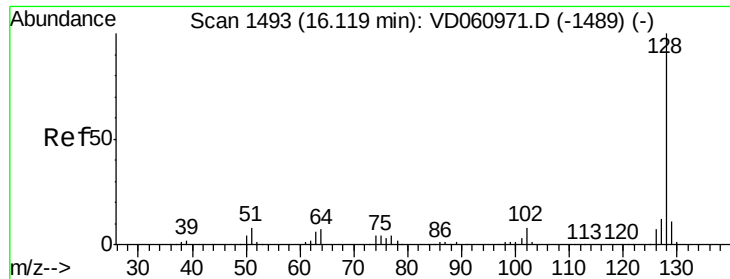
#94
 Hexachlorobutadiene
 Concen: 20.012 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061039.D
 Acq: 13 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	31.8	95.3
227	64.8	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: 21.070 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

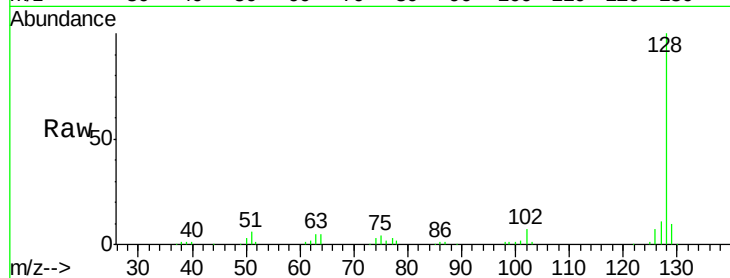
Tot Ion:128 Resp: 188959

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

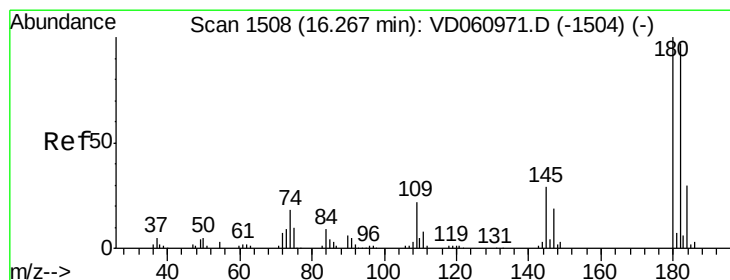
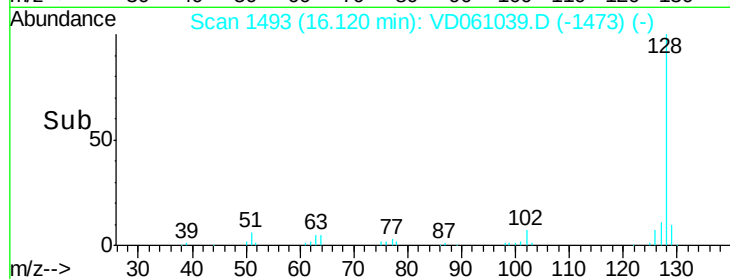
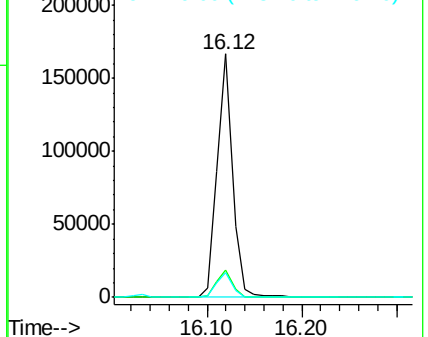
129 10.4 8.5 12.7



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: 20.773 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061039.D

Acq: 13 Mar 2019 13:50

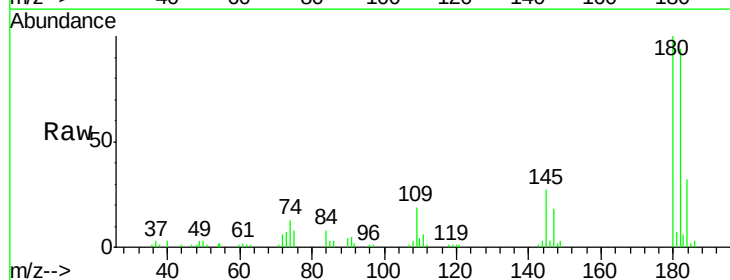
Tgt Ion:180 Resp: 60547

Ion Ratio Lower Upper

180 100

182 94.2 48.6 145.8

145 27.3 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

