

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058014.D
 Acq On : 8 Jun 2018 13:28
 Operator : VA/AP
 Sample : VD0608SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Quant Time: Jun 08 13:58:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	989717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1324373	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1063717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	544844	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	485535	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	5.54	113	501819	48.97	ug/l	-0.02
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.70	98	1196112	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.92	95	485453	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	287889	21.67	ug/l	100
3) Chloromethane	1.49	50	148481	22.70	ug/l	100
4) Vinyl Chloride	1.56	62	142885	22.56	ug/l	96
5) Bromomethane	1.80	94	45739	18.43	ug/l	89
6) Chloroethane	1.89	64	46193	18.49	ug/l	92
7) Trichlorofluoromethane	2.08	101	174145	20.12	ug/l	94
8) Diethyl Ether	2.35	74	37382	23.25	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.56	101	114002	22.08	ug/l	96
10) Methyl Iodide	2.70	142	141080	21.18	ug/l	99
11) Tert butyl alcohol	3.27	59	24080	90.85	ug/l #	77
12) 1,1-Dichloroethene	2.55	96	87907	22.15	ug/l	86
13) Acrolein	2.48	56	40679	107.16	ug/l	96
14) Allyl chloride	2.92	41	190727	20.83	ug/l	97
15) Acrylonitrile	3.35	53	159491	102.85	ug/l	96
16) Acetone	2.62	43	143732	100.82	ug/l	99
17) Carbon Disulfide	2.75	76	297983	20.72	ug/l	100
18) Methyl Acetate	2.94	43	55683	20.19	ug/l #	83
19) Methyl tert-butyl Ether	3.40	73	363641	20.82	ug/l	99
20) Methylene Chloride	3.07	84	97133	23.72	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	185670	21.00	ug/l	97
22) Diisopropyl ether	4.06	45	749352	20.66	ug/l	91
23) Vinyl Acetate	4.01	43	1996011	106.49	ug/l	100
24) 1,1-Dichloroethane	3.98	63	415139	20.82	ug/l	99
25) 2-Butanone	4.84	43	330357	101.97	ug/l	96
26) 2,2-Dichloropropane	4.79	77	345752	21.05	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	222274	21.20	ug/l	99
28) Bromochloromethane	5.15	49	189032	21.91	ug/l	99
29) Tetrahydrofuran	5.19	42	180180	106.09	ug/l	99
30) Chloroform	5.32	83	421334	21.00	ug/l	99
31) Cyclohexane	5.58	56	355627	20.67	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	342637	20.39	ug/l	99
36) 1,1-Dichloropropene	5.74	75	315268	21.61	ug/l	98
37) Ethyl Acetate	4.92	43	180886	22.72	ug/l #	95
38) Carbon Tetrachloride	5.72	117	297562	20.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	303687	21.00	ug/l	97
40) Benzene	6.01	78	724252	21.25	ug/l	100
41) Methacrylonitrile	5.12	41	80696	22.17	ug/l	95
42) 1,2-Dichloroethane	6.12	62	284968	20.68	ug/l	100
43) Isopropyl Acetate	7.61	43	206968	19.85	ug/l #	91
44) Trichloroethene	6.98	130	206039	20.69	ug/l	98
45) 1,2-Dichloropropane	7.34	63	196212	20.71	ug/l	99
46) Dibromomethane	7.45	93	125120	20.56	ug/l	91
47) Bromodichloromethane	7.74	83	298138	20.92	ug/l	96
48) Methyl methacrylate	7.50	41	127241	19.82	ug/l	95
49) 1,4-Dioxane	7.48	88	21003	394.99	ug/l	89
51) 4-Methyl-2-Pentanone	8.59	43	715879	107.02	ug/l	99
52) Toluene	8.79	92	423696	21.66	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	248723	20.26	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	298850	20.66	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	133405	21.07	ug/l	97
56) Ethyl methacrylate	9.30	69	159880	20.59	ug/l	89
57) 1,3-Dichloropropane	9.66	76	230313	20.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	422132	107.59	ug/l	96
59) 2-Hexanone	9.77	43	524336	106.97	ug/l	99
60) Dibromochloromethane	9.95	129	185309	20.76	ug/l	96
61) 1,2-Dibromoethane	10.09	107	145946	20.05	ug/l	89
64) Tetrachloroethene	9.51	164	195560	20.56	ug/l	98
65) Chlorobenzene	10.72	112	480253	22.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	171627	20.74	ug/l	100
67) Ethyl Benzene	10.85	91	819768	21.07	ug/l	98
68) m/p-Xylenes	11.00	106	562135	44.32	ug/l	91
69) o-Xylene	11.40	106	265987	21.13	ug/l	99
70) Styrene	11.43	104	465645	22.34	ug/l	96
71) Bromoform	11.59	173	128346	20.62	ug/l	95
73) Isopropylbenzene	11.76	105	770392	21.35	ug/l	99
74) N-amyl acetate	11.64	43	272002	19.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	156032	19.83	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	171704	20.98	ug/l	95
77) Bromobenzene	12.04	156	218489	20.45	ug/l	82
78) n-propylbenzene	12.15	91	1014718	21.61	ug/l	96
79) 2-Chlorotoluene	12.20	91	560155	20.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	621161	22.07	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	43114	21.27	ug/l	98
82) 4-Chlorotoluene	12.31	91	642034	22.92	ug/l	93
83) tert-Butylbenzene	12.57	119	695449	21.88	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	623156	20.59	ug/l	96
85) sec-Butylbenzene	12.75	105	832169	21.70	ug/l	100
86) p-Isopropyltoluene	12.87	119	672904	21.77	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	390928	21.63	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	368032	20.90	ug/l	98
89) n-Butylbenzene	13.19	91	686275	22.20	ug/l	98
90) Hexachloroethane	13.40	117	160220	20.31	ug/l	90
91) 1,2-Dichlorobenzene	13.19	146	311474	21.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23277	19.17	ug/l	71

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QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

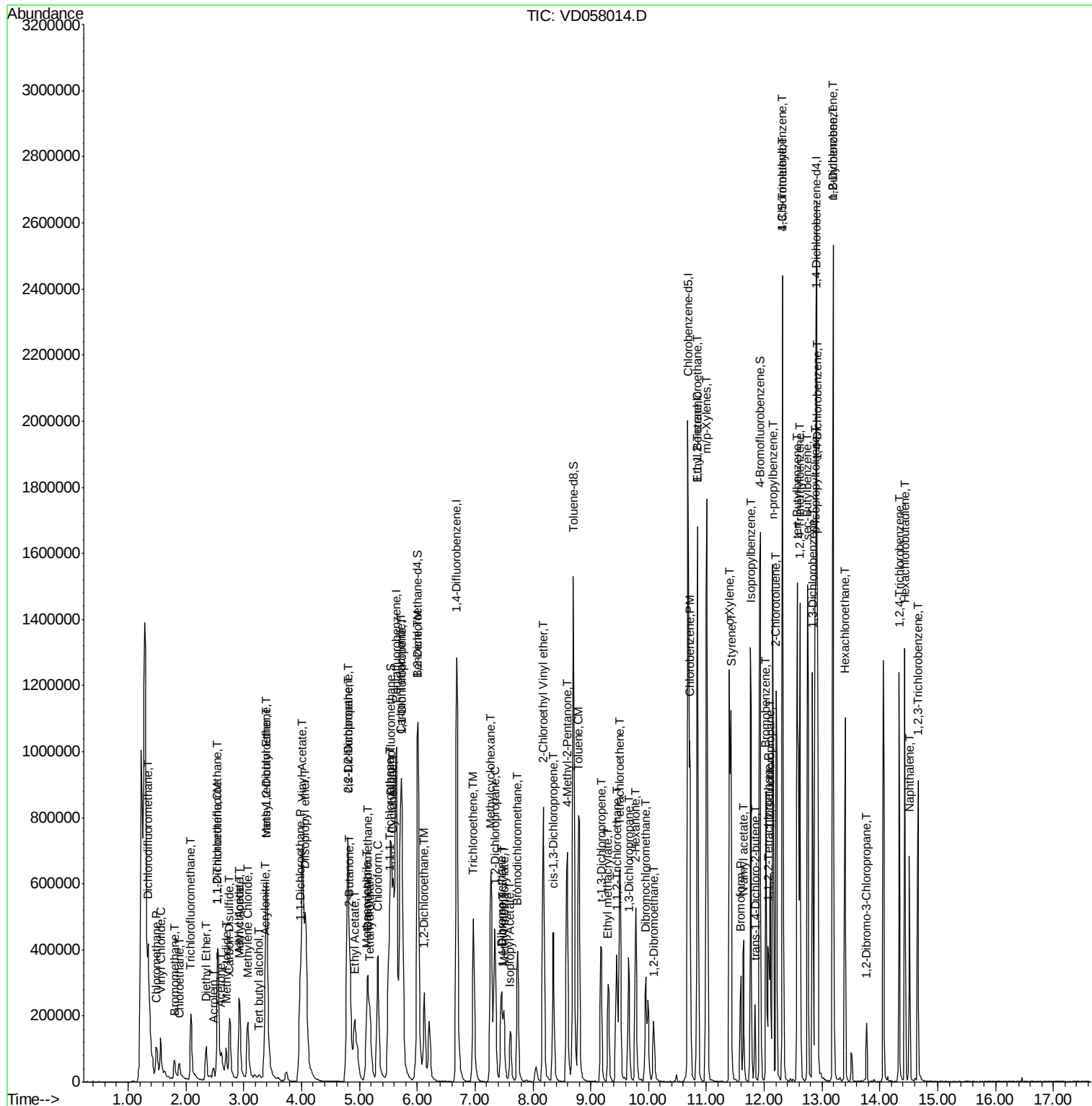
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	290404	21.29	ug/l	99
94) Hexachlorobutadiene	14.43	225	214646	20.00	ug/l	99
95) Naphthalene	14.51	128	357145	20.30	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	228665	19.67	ug/l	97

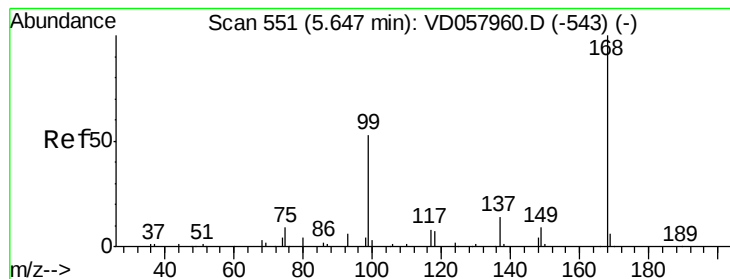
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

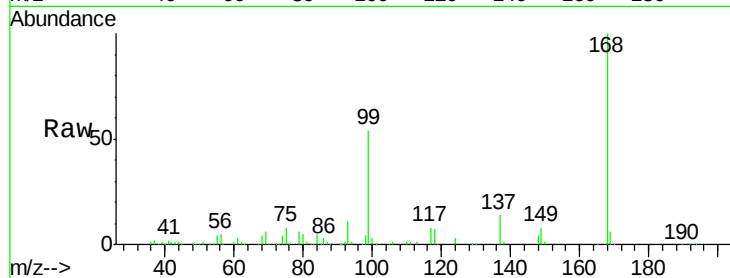
VD0608SBSD01

Tot Ion:168 Resp: 989717

Ion Ratio Lower Upper

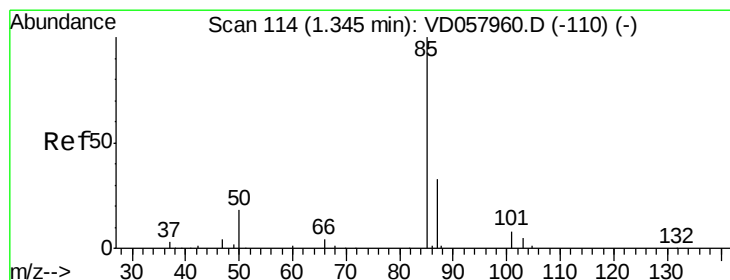
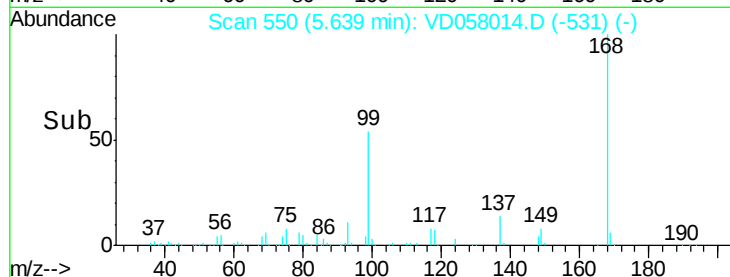
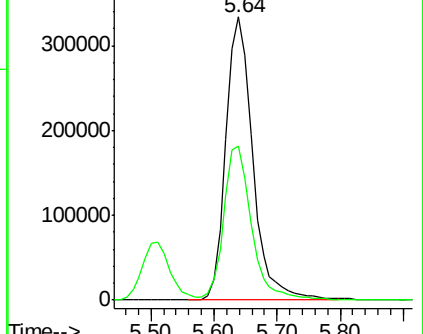
168 100

99 54.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.67 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058014.D

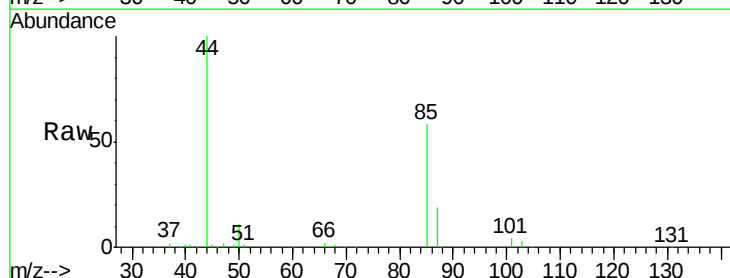
Acq: 8 Jun 2018 13:28

Tgt Ion: 85 Resp: 287889

Ion Ratio Lower Upper

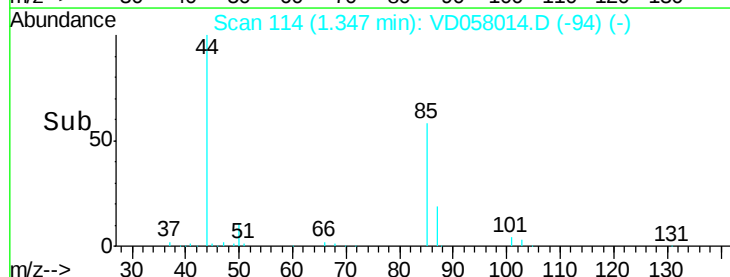
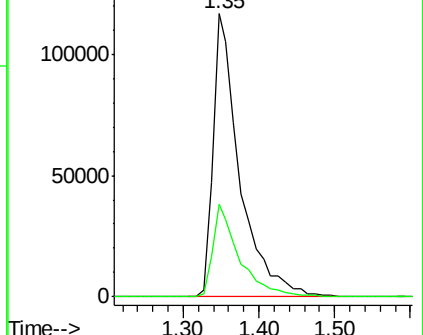
85 100

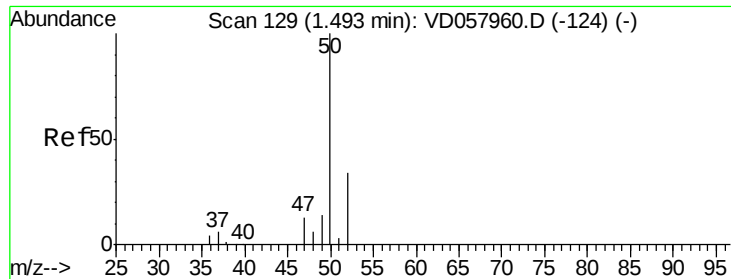
87 32.5 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.70 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

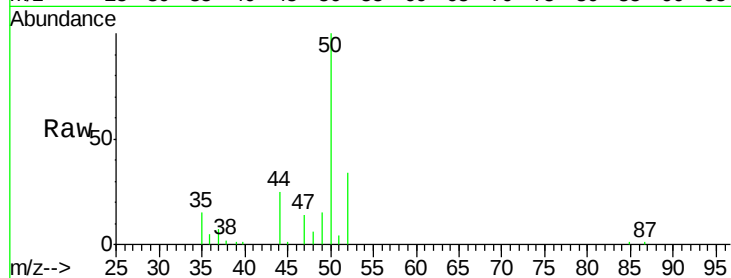
VD0608SBSD01

Tot Ion: 50 Resp: 148481

Ion Ratio Lower Upper

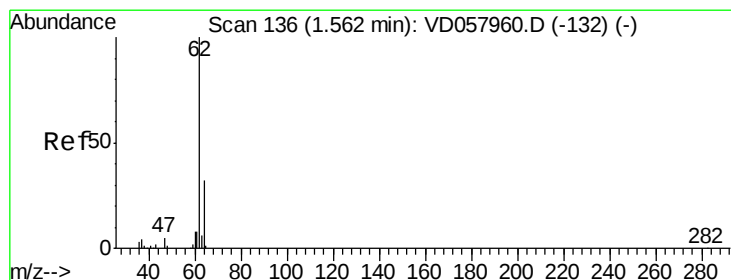
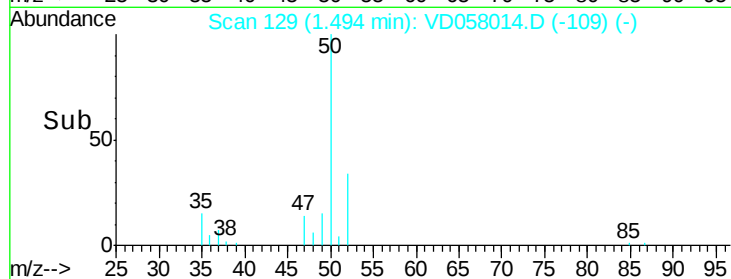
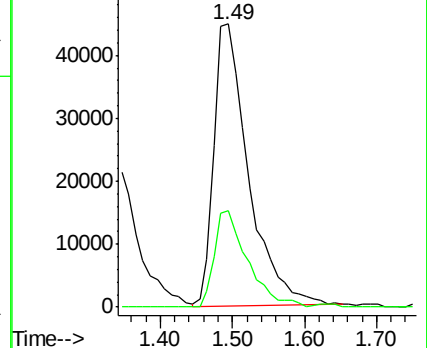
50 100

52 34.0 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.56 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058014.D

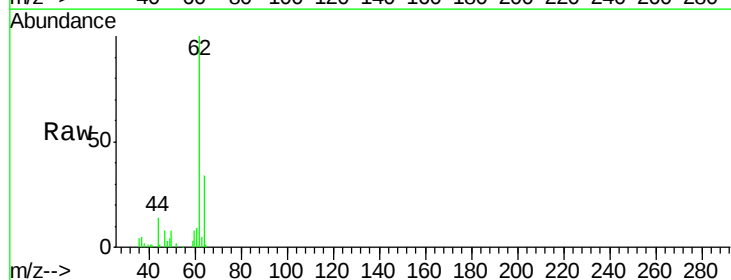
Acq: 8 Jun 2018 13:28

Tgt Ion: 62 Resp: 142885

Ion Ratio Lower Upper

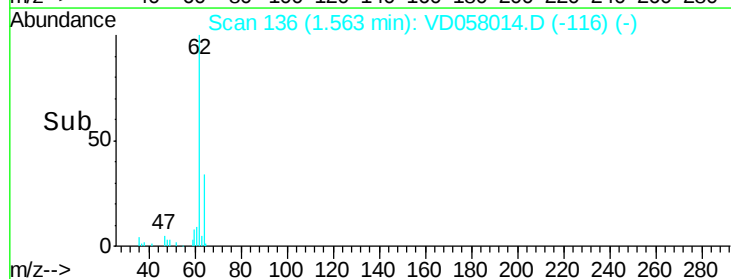
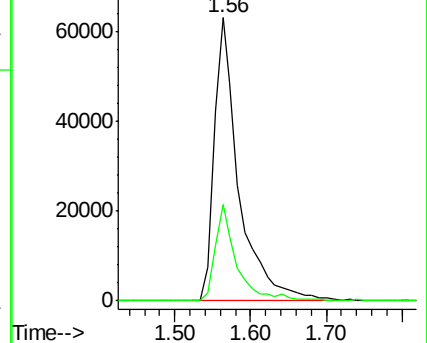
62 100

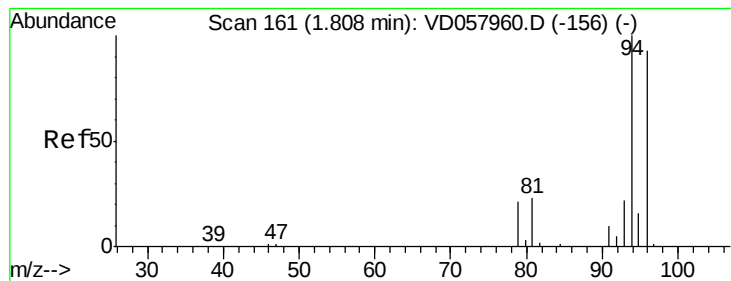
64 34.1 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.43 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

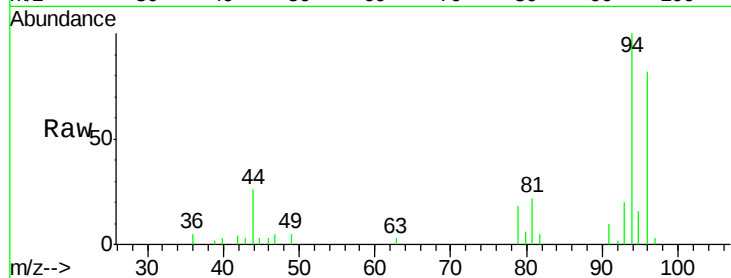
VD0608SBSD01

Tot Ion: 94 Resp: 45739

Ion Ratio Lower Upper

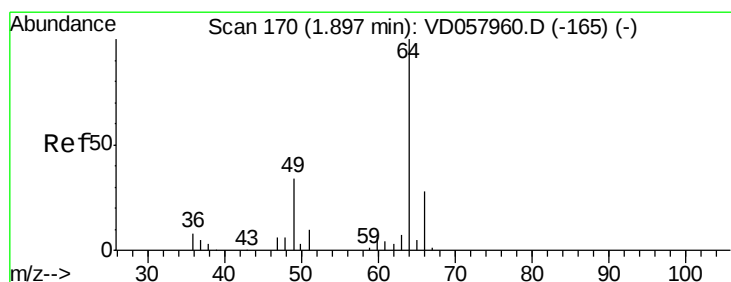
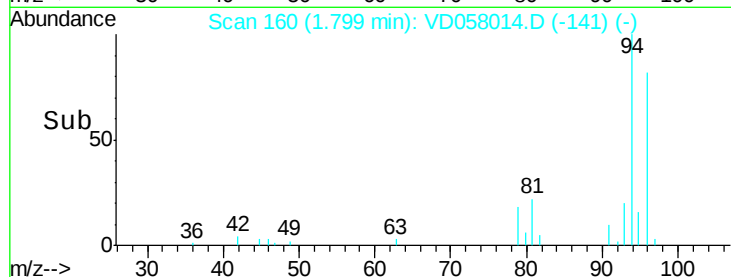
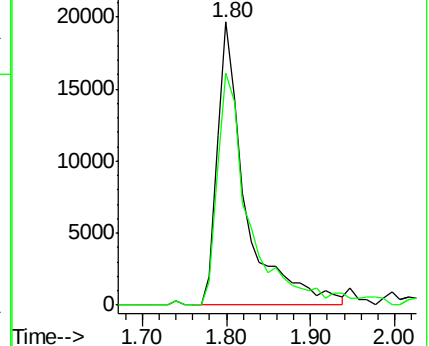
94 100

96 82.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.49 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058014.D

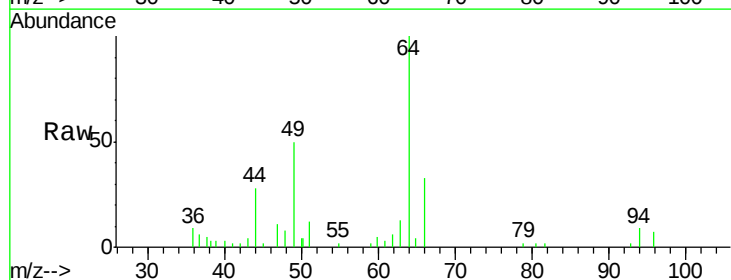
Acq: 8 Jun 2018 13:28

Tgt Ion: 64 Resp: 46193

Ion Ratio Lower Upper

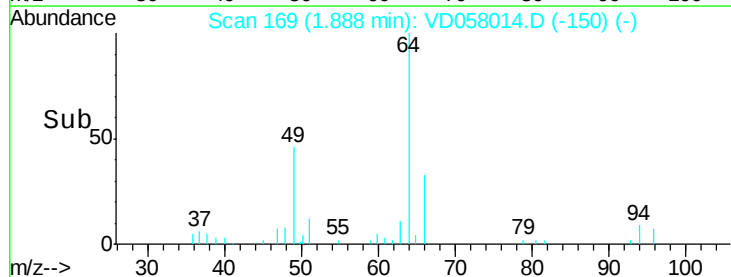
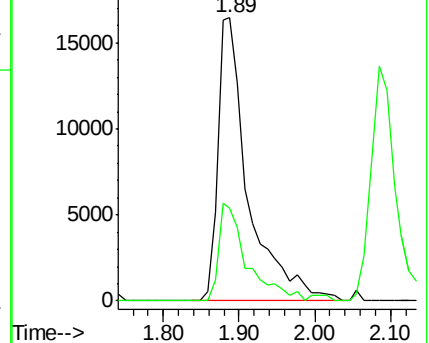
64 100

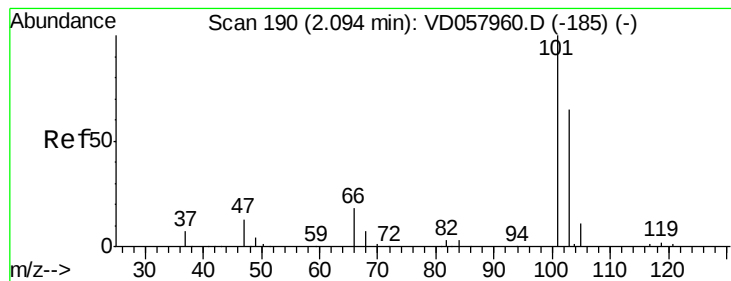
66 32.7 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



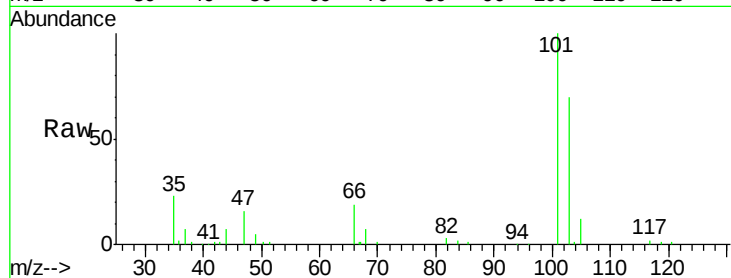


#7

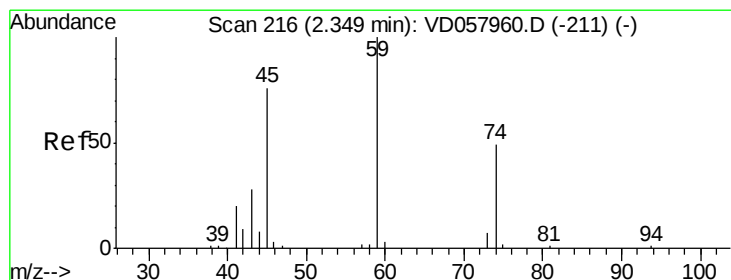
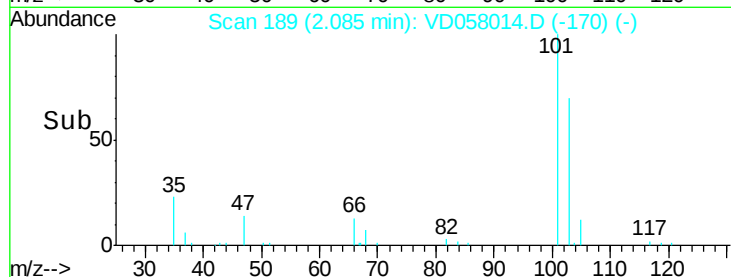
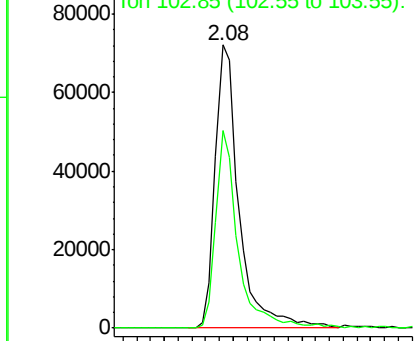
Trichlorofluoromethane
 Concen: 20.12 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Instrument :
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 ClientSampleId :
 VD0608SBSD01

Tot Ion:101 Resp: 174145
 Ion Ratio Lower Upper
 101 100
 103 69.9 52.4 78.6



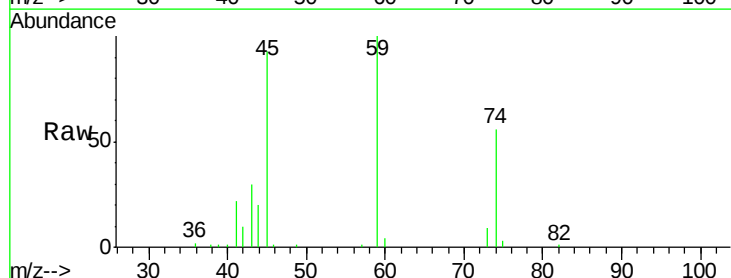
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



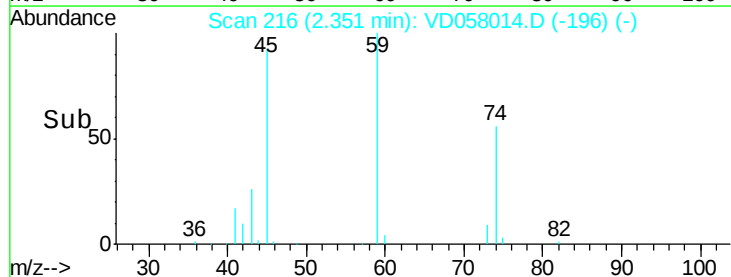
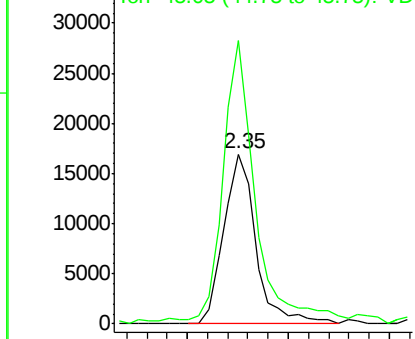
#8

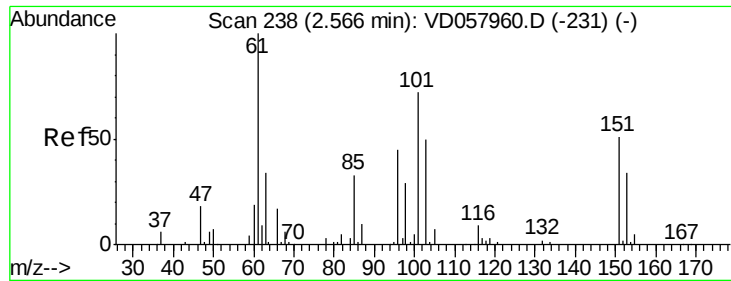
Diethyl Ether
 Concen: 23.25 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD058014.D
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Tgt Ion: 74 Resp: 37382
 Ion Ratio Lower Upper
 74 100
 45 166.9 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.08 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

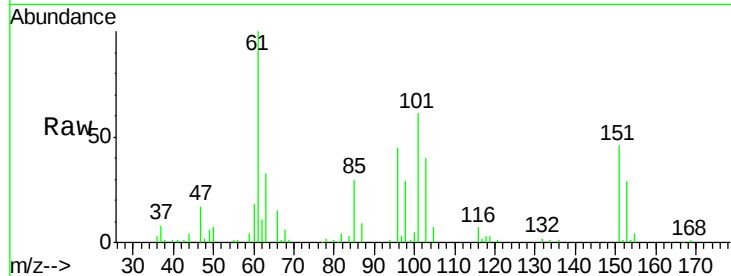
Tot Ion:101 Resp: 114002

Ion Ratio Lower Upper

101 100

85 49.0 37.3 55.9

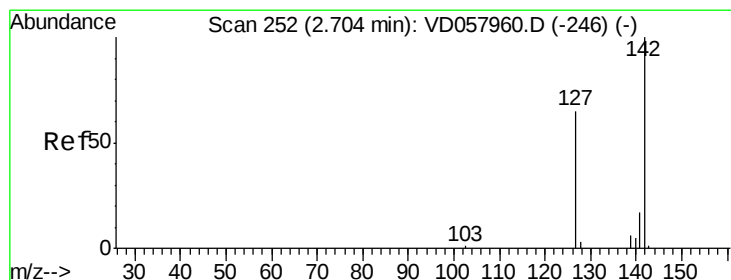
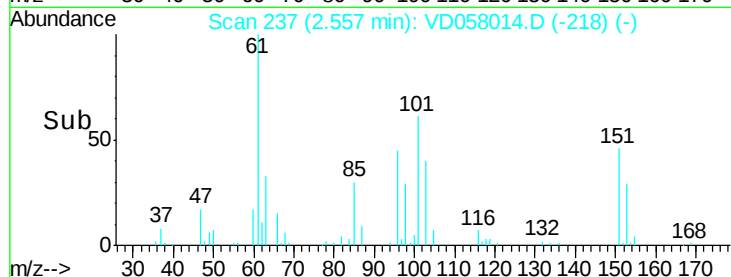
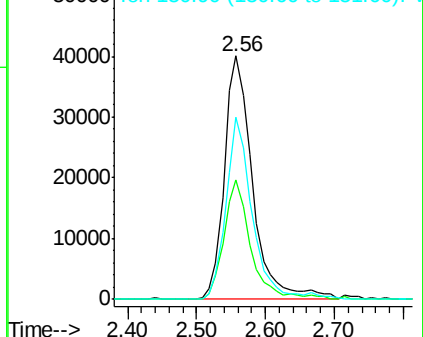
151 74.9 57.0 85.6



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: 21.18 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

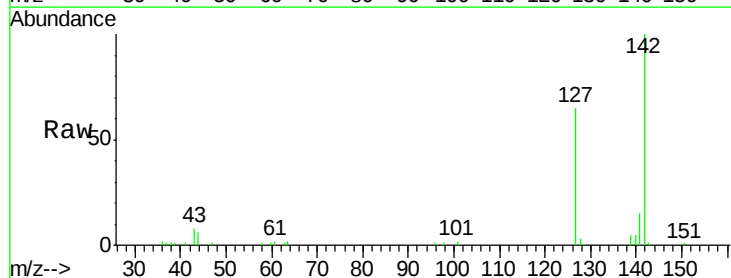
Tgt Ion:142 Resp: 141080

Ion Ratio Lower Upper

142 100

127 65.1 52.0 78.0

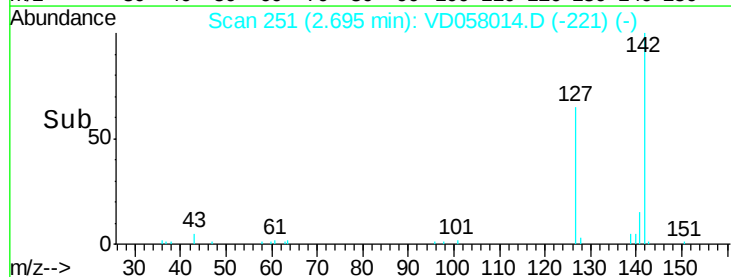
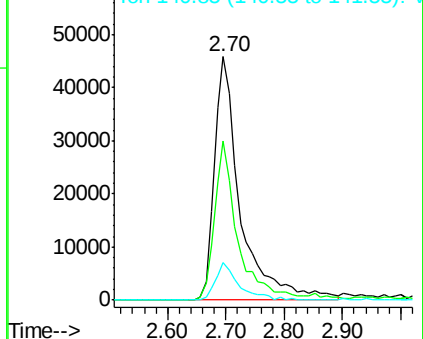
141 15.3 13.2 19.8

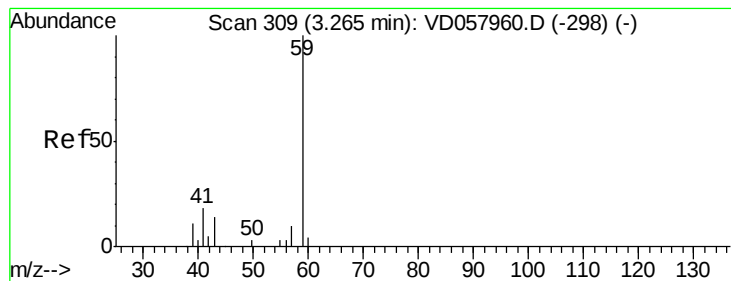


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



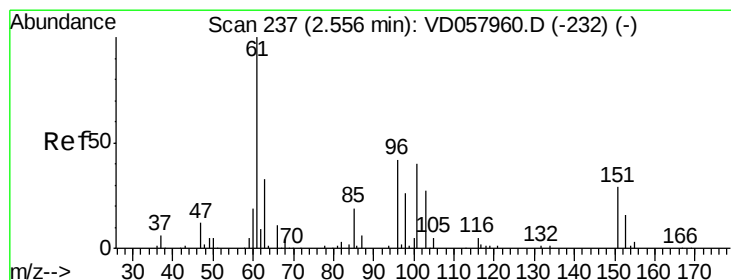
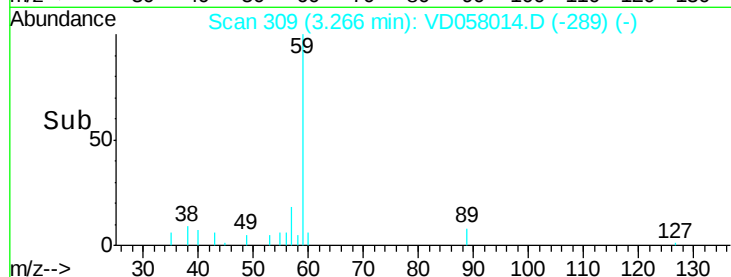
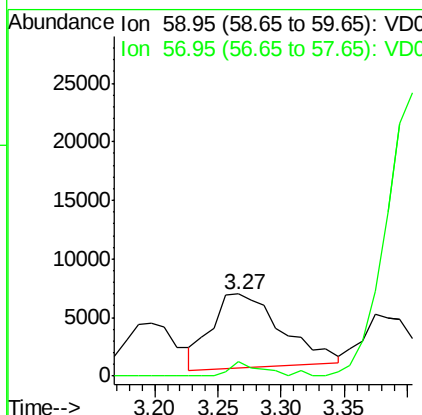
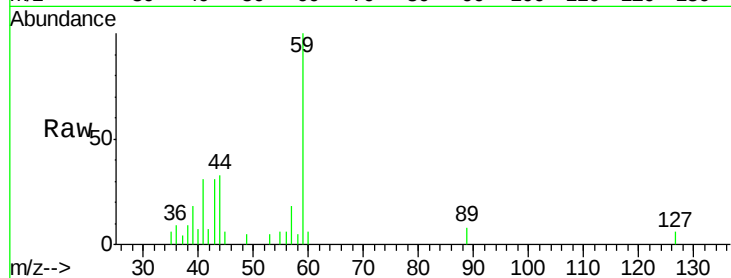


#11

Tert butyl alcohol
Concen: 90.85 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

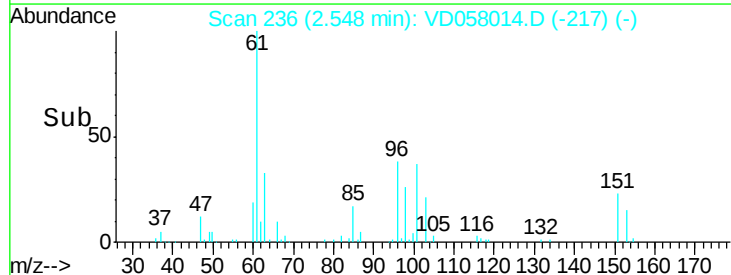
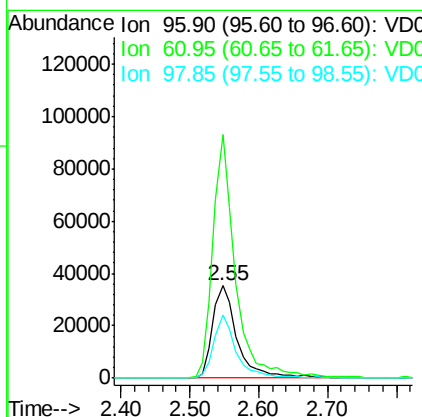
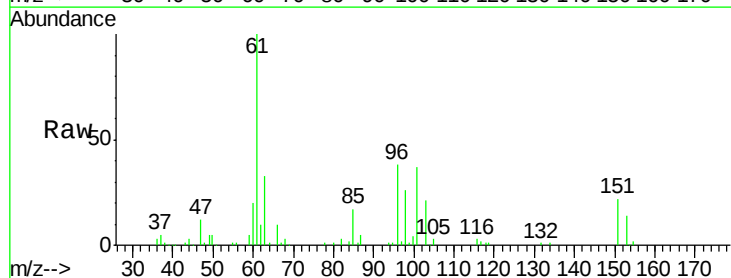
Tot Ion: 59 Resp: 24080
Ion Ratio Lower Upper
59 100
57 18.2 7.8 11.6#

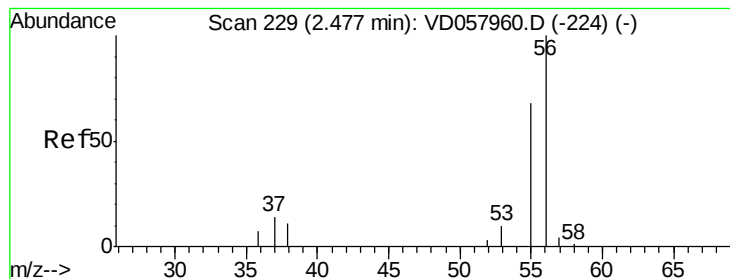


#12

1,1-Dichloroethene
Concen: 22.15 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 96 Resp: 87907
Ion Ratio Lower Upper
96 100
61 264.3 190.2 285.4
98 68.9 49.6 74.4





#13

Acrolein

Concen: 107.16 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

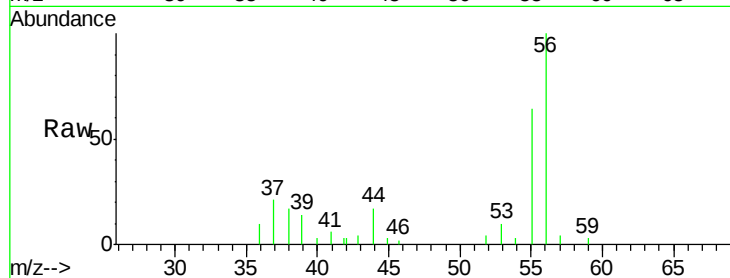
VD0608SBS01

Tot Ion: 56 Resp: 40679

Ion Ratio Lower Upper

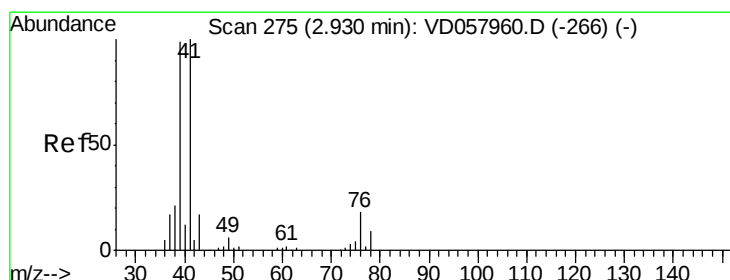
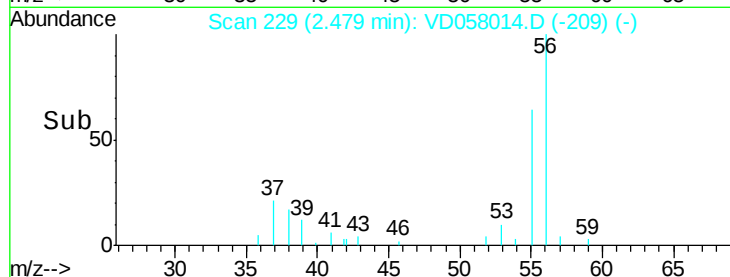
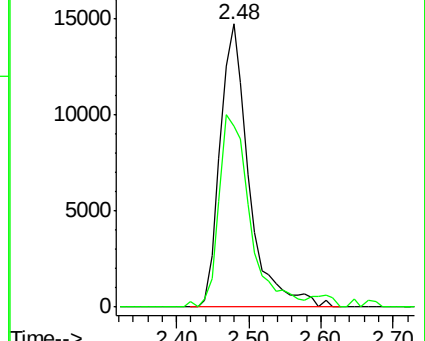
56 100

55 64.1 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.83 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

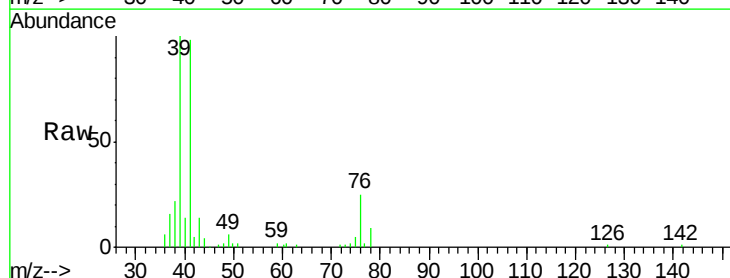
Tgt Ion: 41 Resp: 190727

Ion Ratio Lower Upper

41 100

39 102.5 79.5 119.3

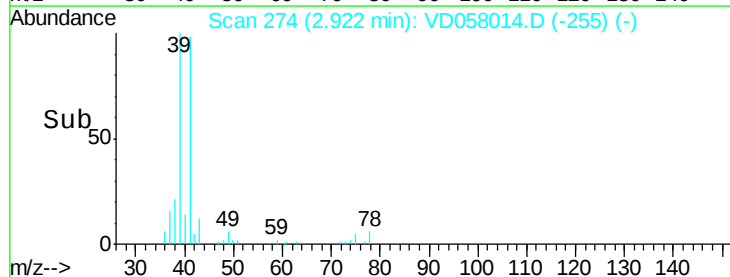
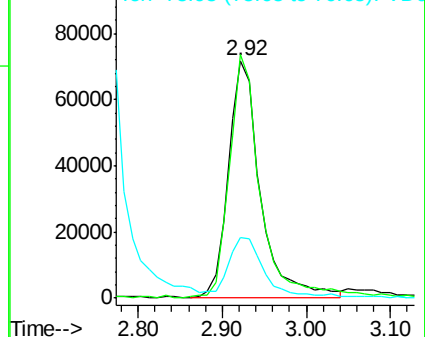
76 25.5 20.7 31.1

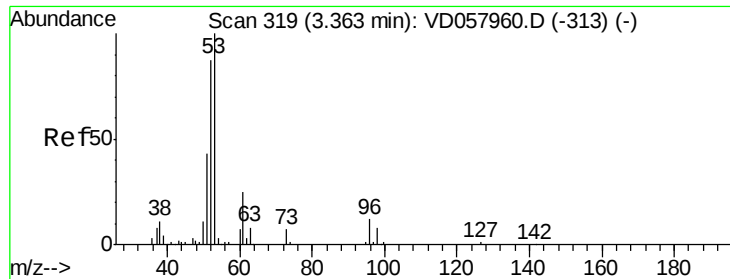


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.85 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

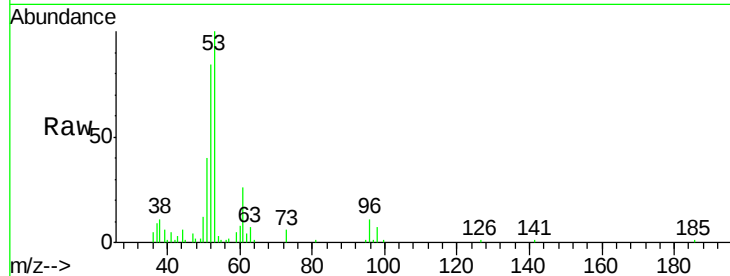
Tot Ion: 53 Resp: 159491

Ion Ratio Lower Upper

53 100

52 84.2 69.9 104.9

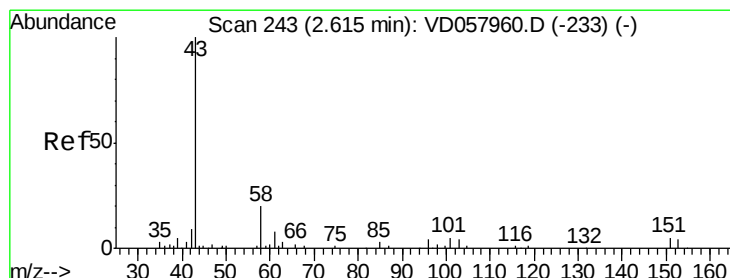
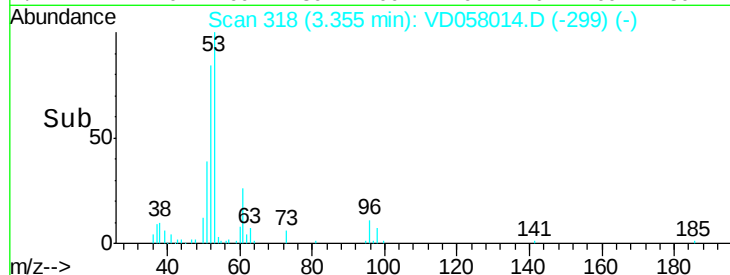
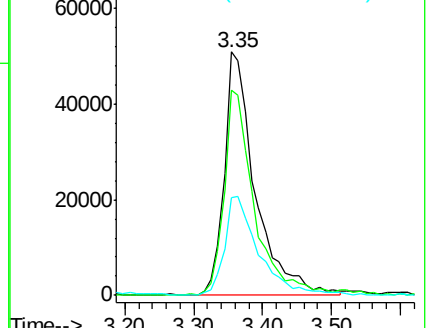
51 40.4 34.3 51.5



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: 100.82 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058014.D

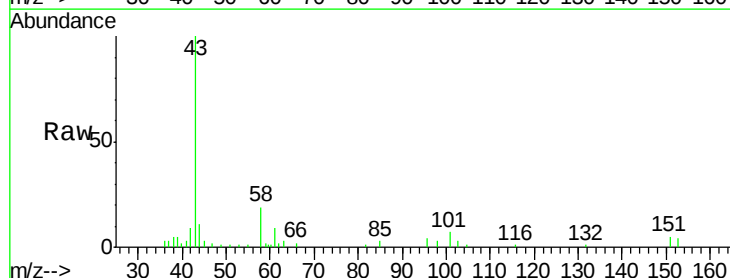
Acq: 8 Jun 2018 13:28

Tgt Ion: 43 Resp: 143732

Ion Ratio Lower Upper

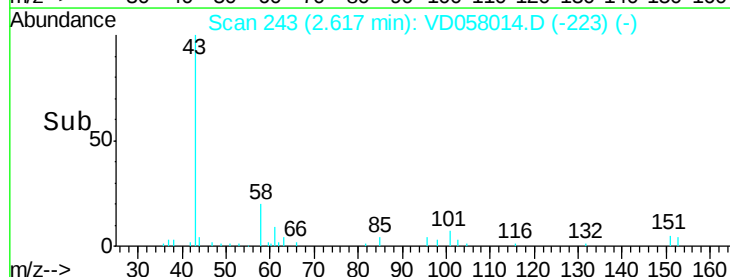
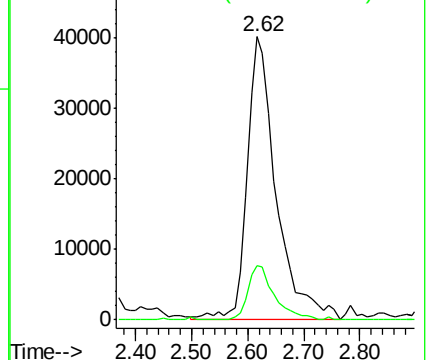
43 100

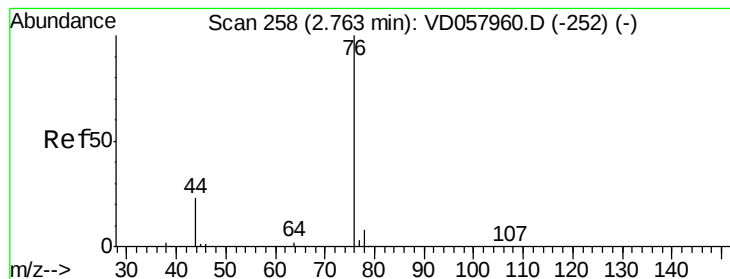
58 19.2 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.72 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

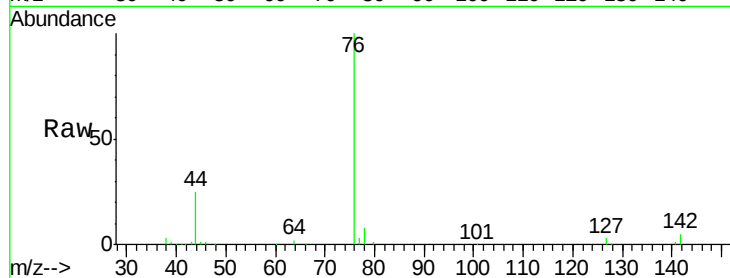
VD0608SBSD01

Tot Ion: 76 Resp: 297983

Ion Ratio Lower Upper

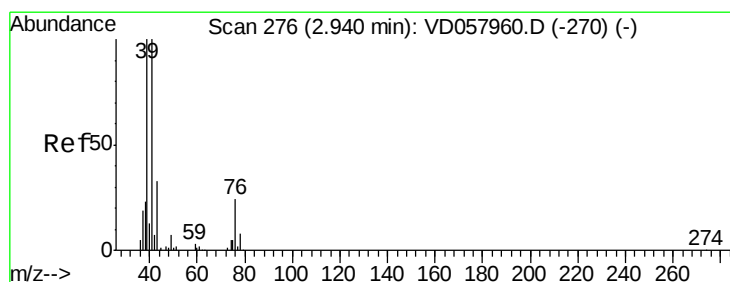
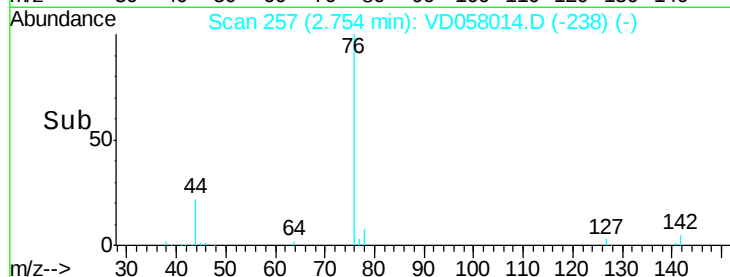
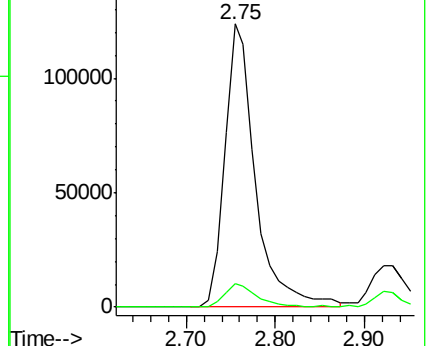
76 100

78 8.4 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.19 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD058014.D

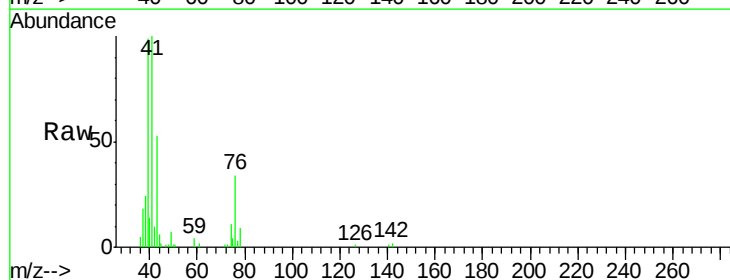
Acq: 8 Jun 2018 13:28

Tgt Ion: 43 Resp: 55683

Ion Ratio Lower Upper

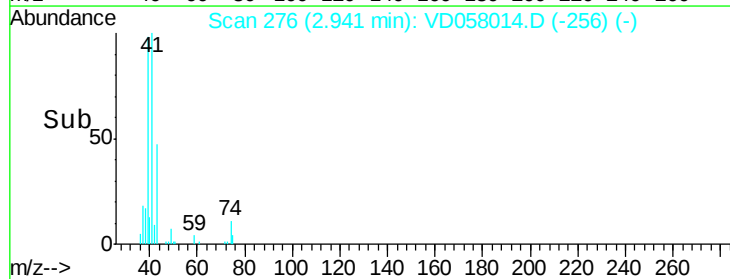
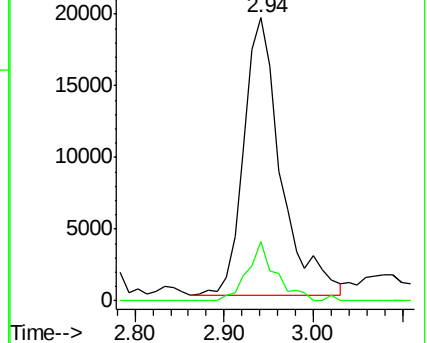
43 100

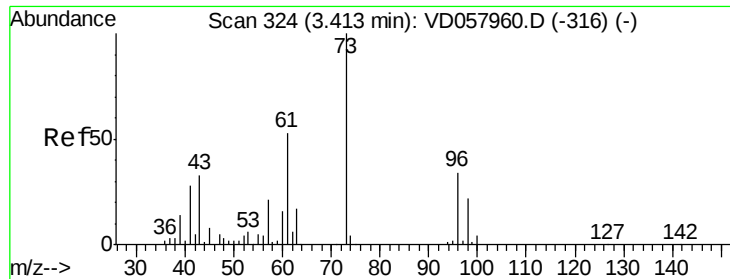
74 21.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

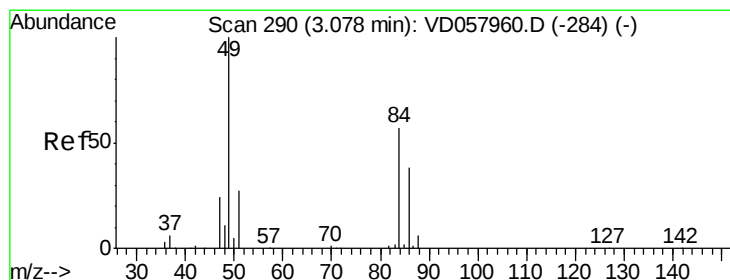
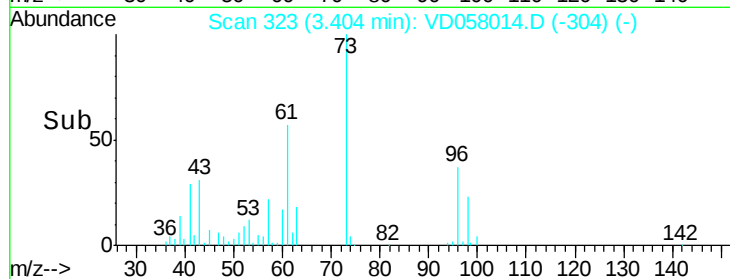
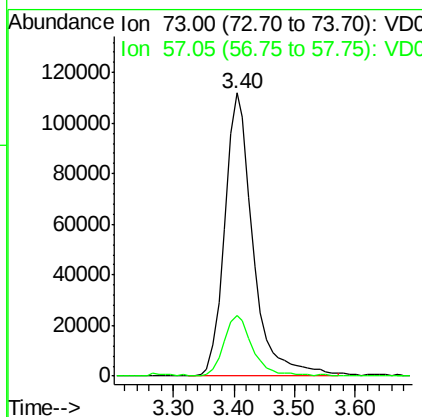
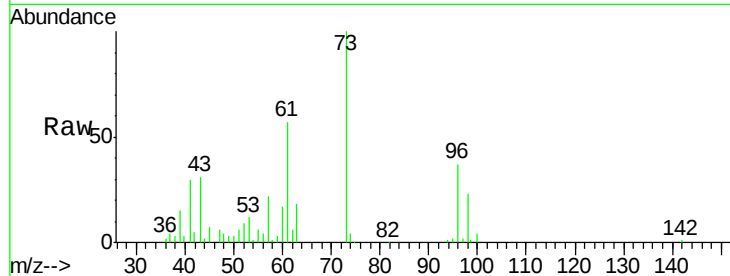




#19
Methyl tert-butyl Ether
Concen: 20.82 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

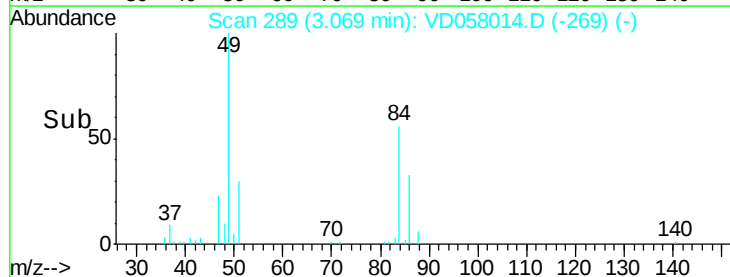
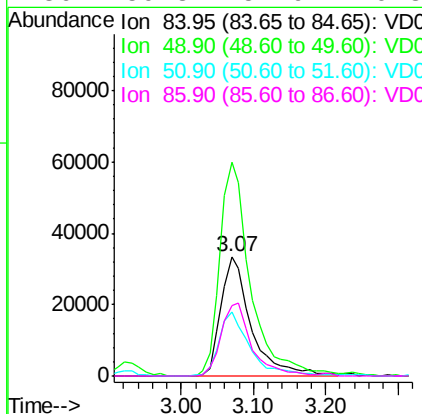
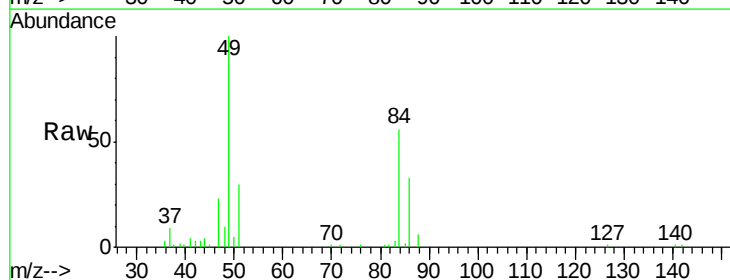
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

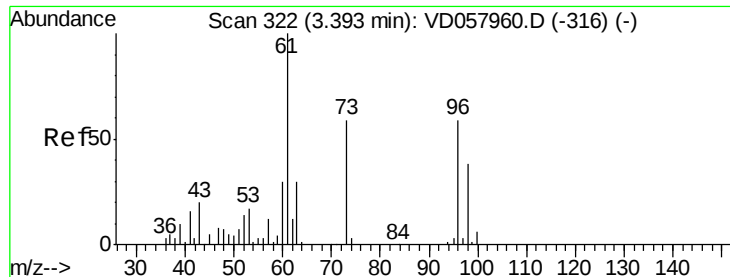
Tot Ion: 73 Resp: 363641
Ion Ratio Lower Upper
73 100
57 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 23.72 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 84 Resp: 97133
Ion Ratio Lower Upper
84 100
49 179.1 141.4 212.0
51 53.8 38.3 57.5
86 59.3 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 21.00 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

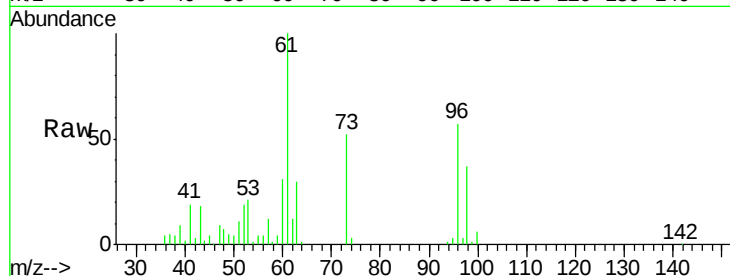
Tot Ion: 96 Resp: 185670

Ion Ratio Lower Upper

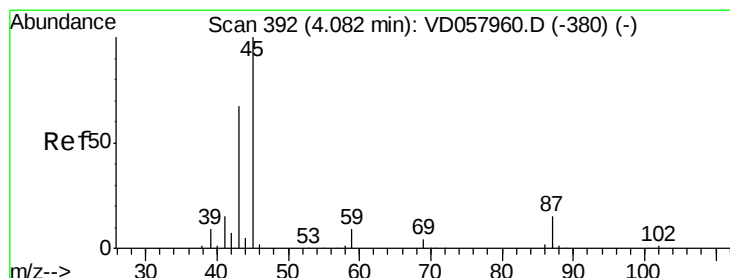
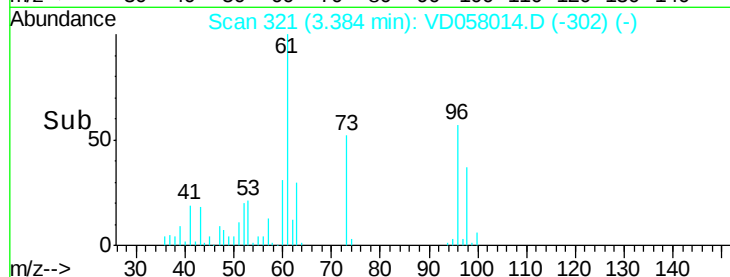
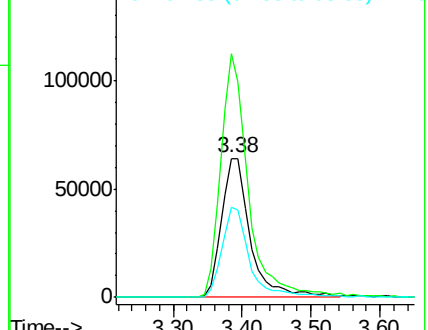
96 100

61 175.1 135.2 202.8

98 65.0 51.7 77.5



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: 20.66 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Tgt Ion: 45 Resp: 749352

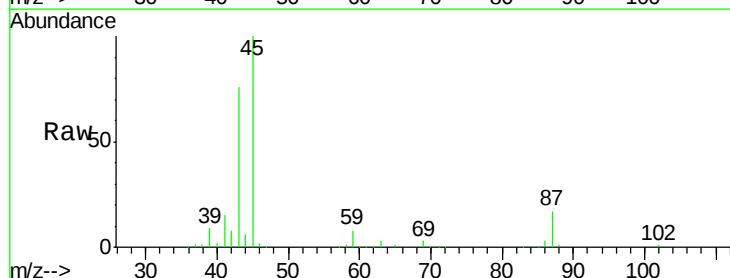
Ion Ratio Lower Upper

45 100

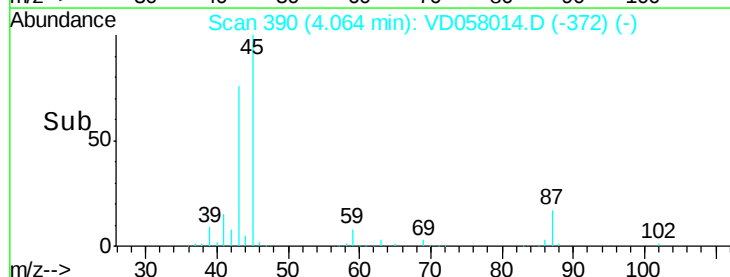
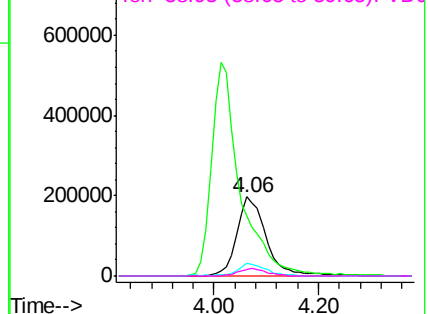
43 76.4 53.8 80.8

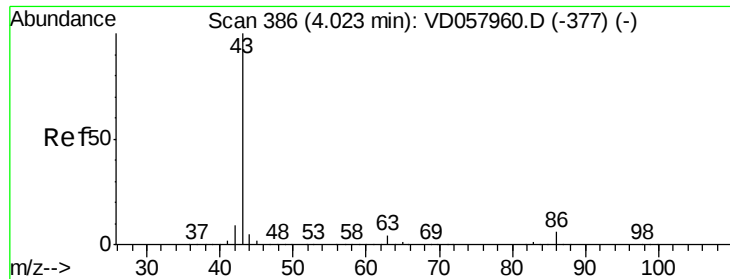
87 16.7 12.5 18.7

59 8.3 7.3 10.9



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: 106.49 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

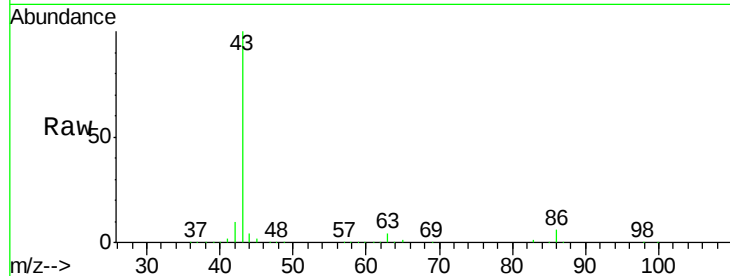
VD0608SBS01

Tot Ion: 43 Resp: 1996011

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.01

600000

500000

400000

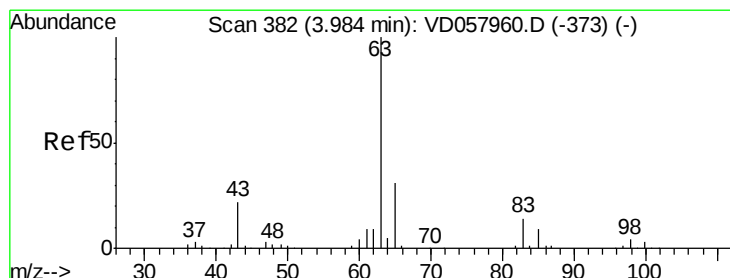
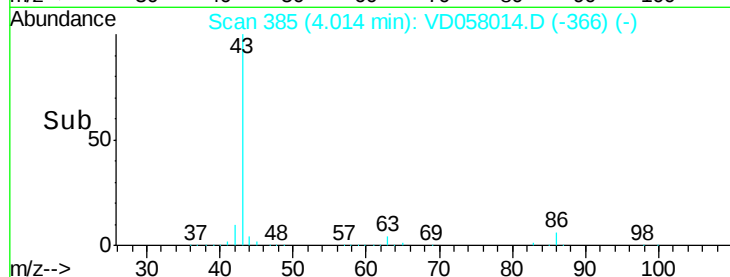
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.82 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

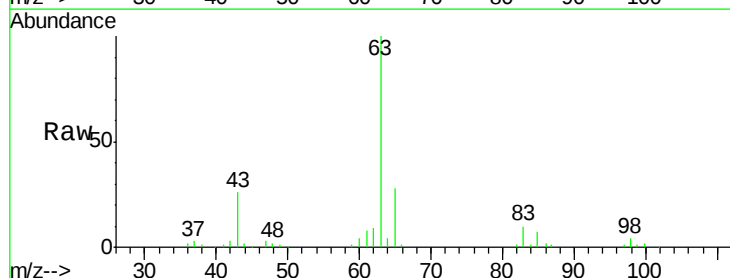
Tgt Ion: 63 Resp: 415139

Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

100 2.4 1.4 4.2



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

3.98

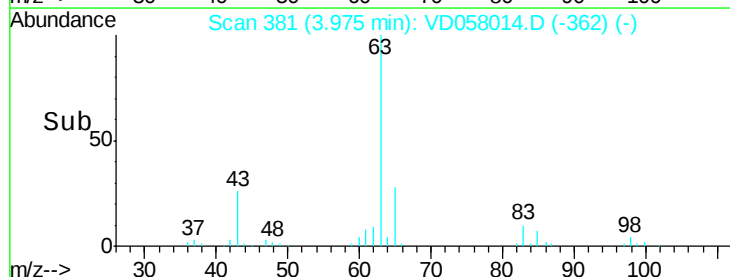
150000

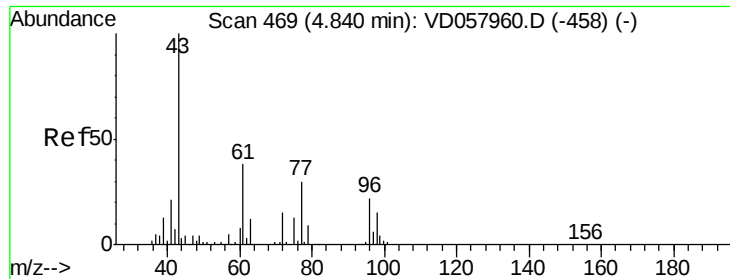
100000

50000

0

Time-->





#25

2-Butanone

Concen: 101.97 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

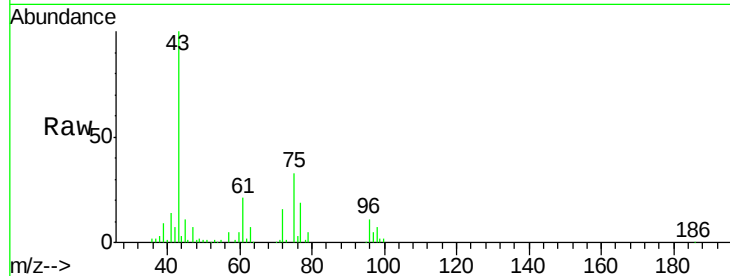
VD0608SBS01

Tot Ion: 43 Resp: 330357

Ion Ratio Lower Upper

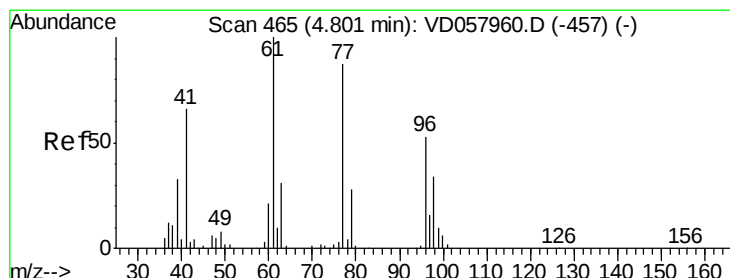
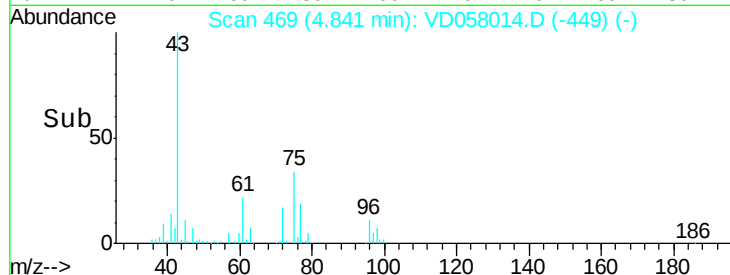
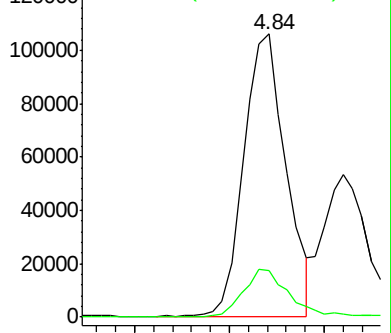
43 100

72 16.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.05 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058014.D

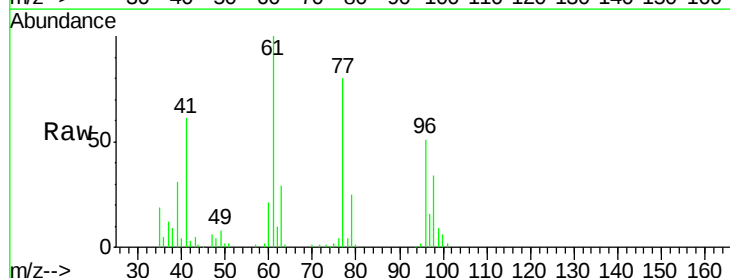
Acq: 8 Jun 2018 13:28

Tgt Ion: 77 Resp: 345752

Ion Ratio Lower Upper

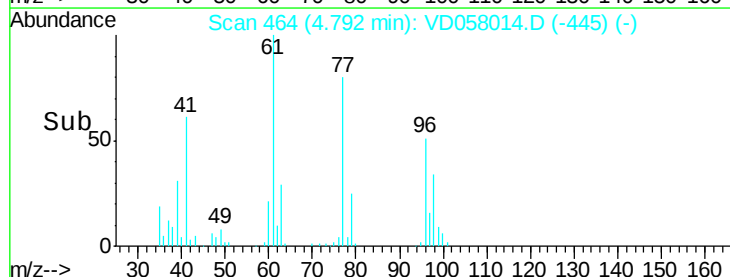
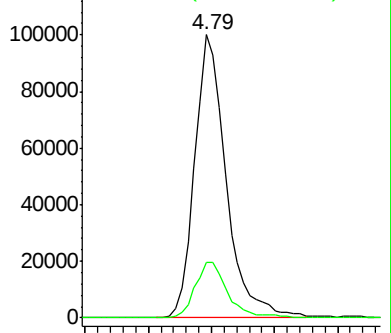
77 100

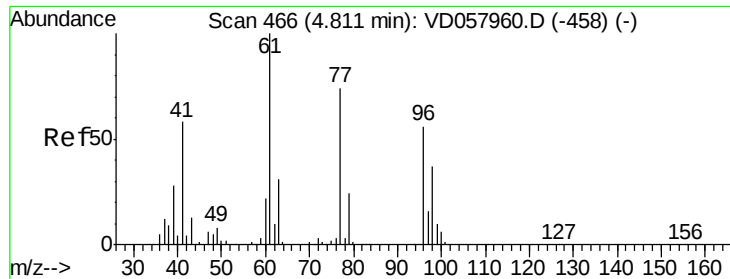
97 19.7 9.2 27.6



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: 21.20 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

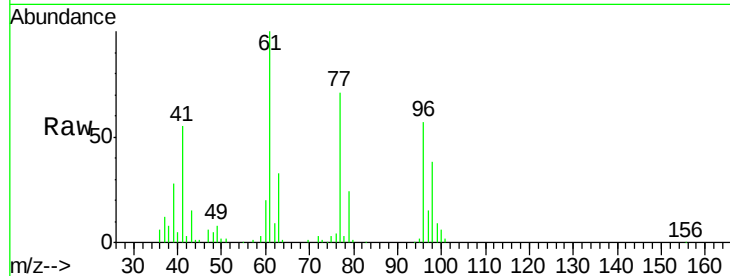
Tot Ion: 96 Resp: 222274

Ion Ratio Lower Upper

96 100

61 176.6 0.0 355.0

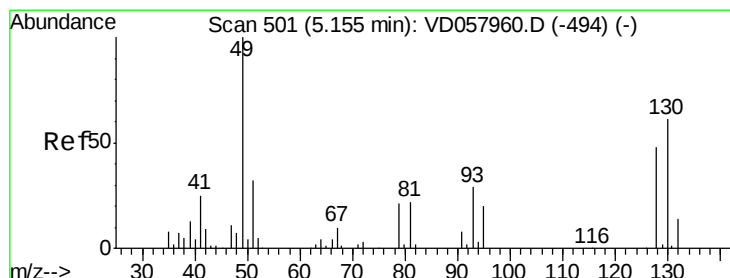
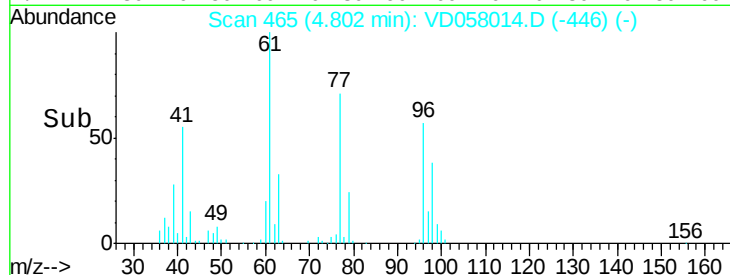
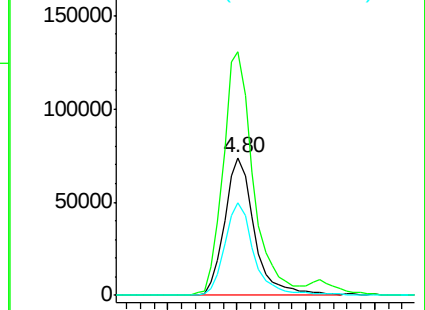
98 67.2 0.0 129.6



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: 21.91 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

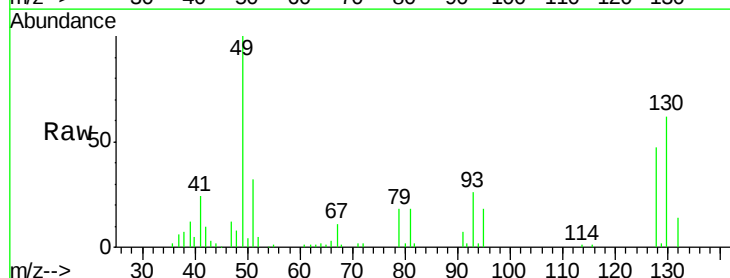
Tgt Ion: 49 Resp: 189032

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.6

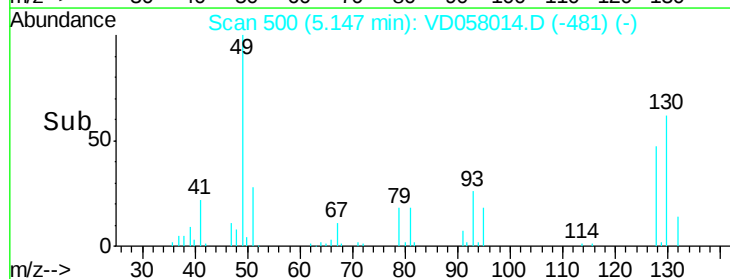
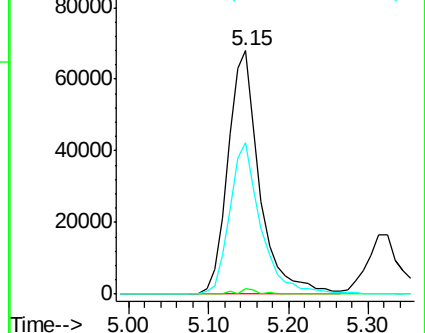
130 62.0 48.8 73.2

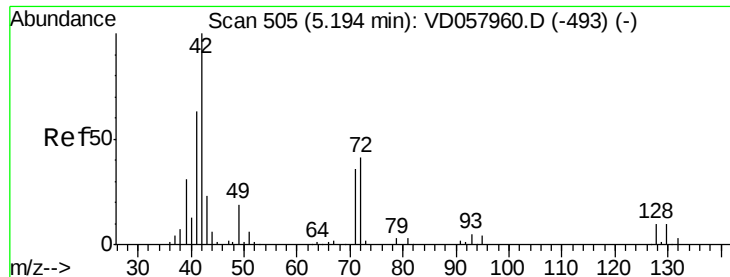


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.09 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

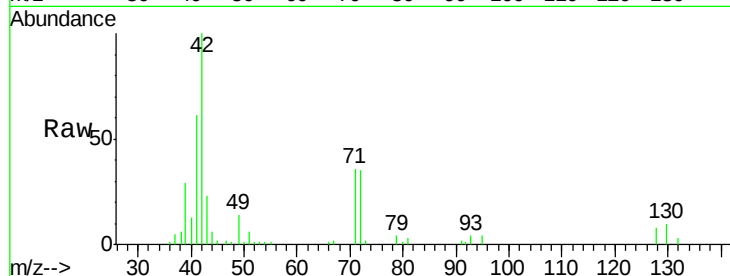
Tot Ion: 42 Resp: 180180

Ion Ratio Lower Upper

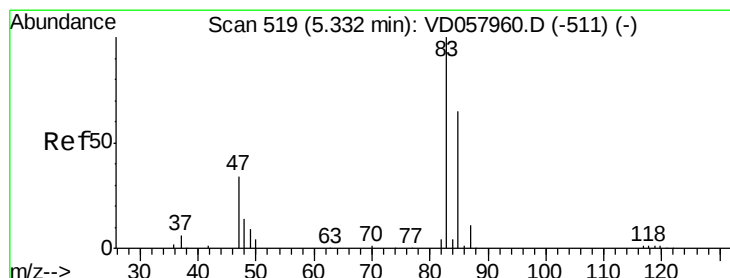
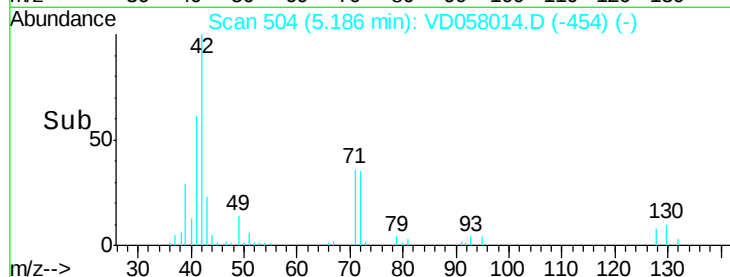
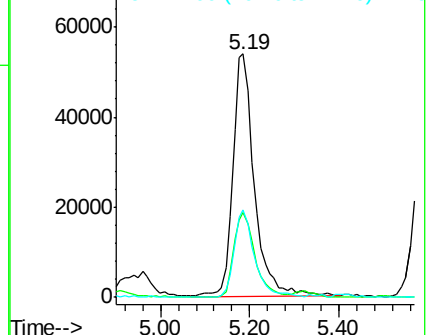
42 100

72 34.5 28.5 42.7

71 34.5 27.9 41.9



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: 21.00 ug/l

RT: 5.32 min Scan# 518

Delta R.T. -0.01 min

Lab File: VD058014.D

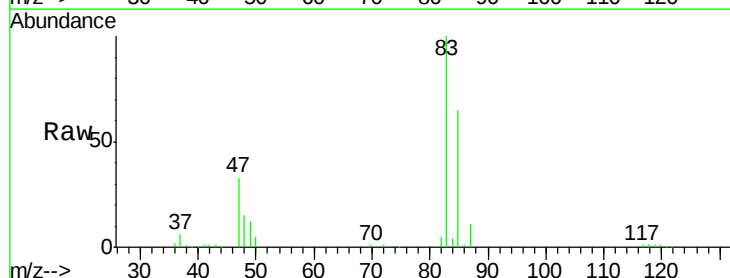
Acq: 8 Jun 2018 13:28

Tgt Ion: 83 Resp: 421334

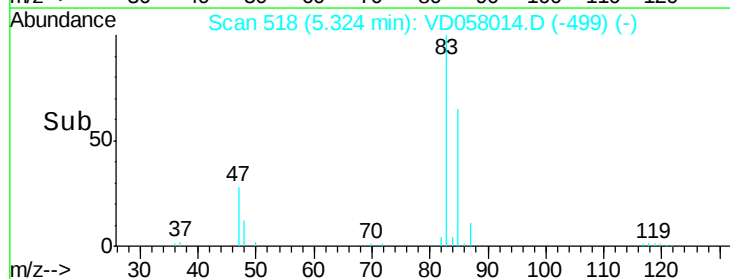
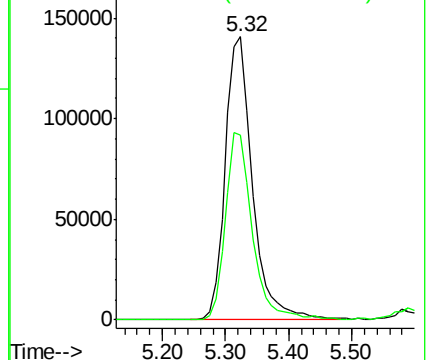
Ion Ratio Lower Upper

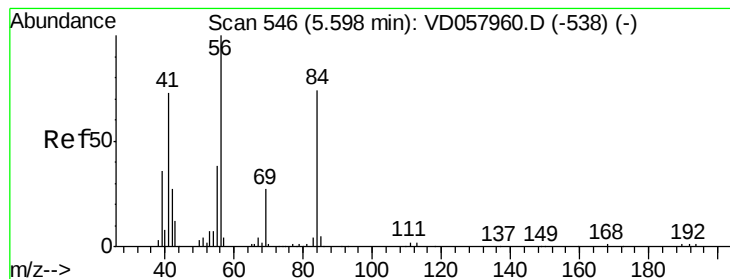
83 100

85 65.5 51.6 77.4



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





#31

Cyclohexane

Concen: 20.67 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

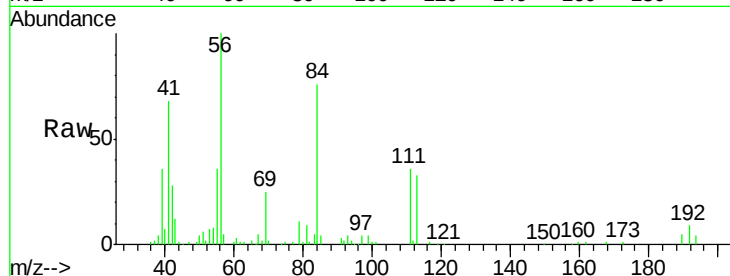
Tot Ion: 56 Resp: 355627

Ion Ratio Lower Upper

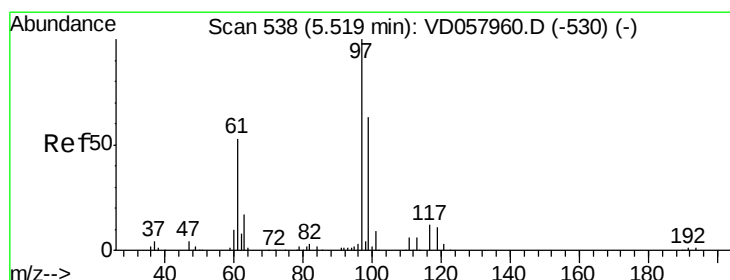
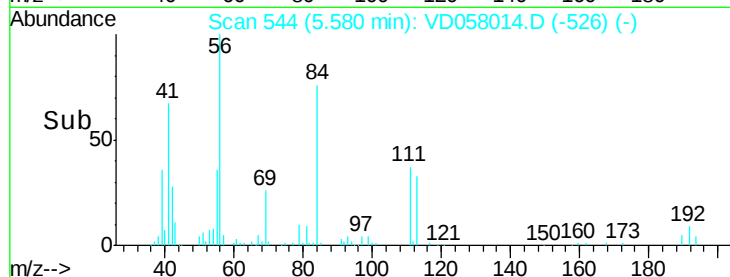
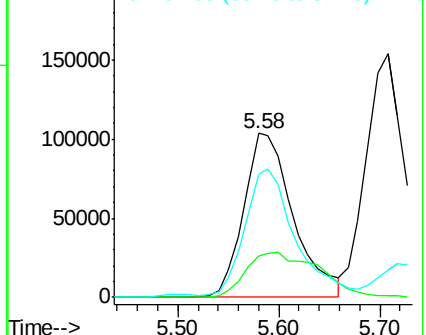
56 100

69 25.5 21.5 32.3

84 75.6 61.0 91.6



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: 20.39 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

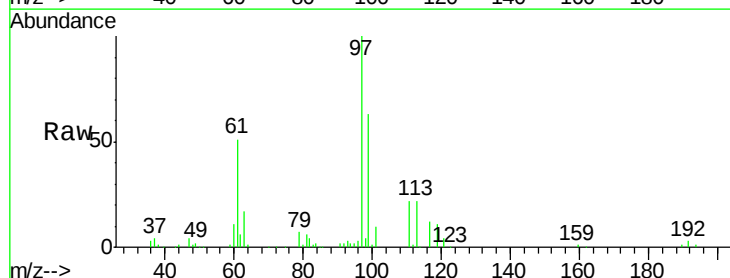
Tgt Ion: 97 Resp: 342637

Ion Ratio Lower Upper

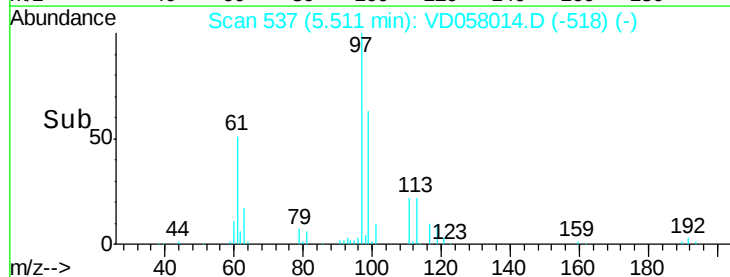
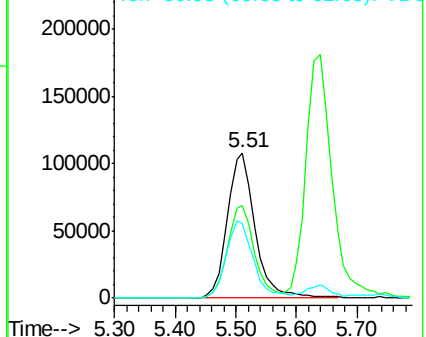
97 100

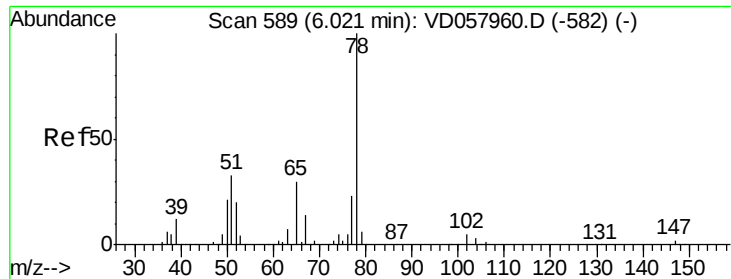
99 63.3 50.1 75.1

61 51.5 42.2 63.4



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: 20.39 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

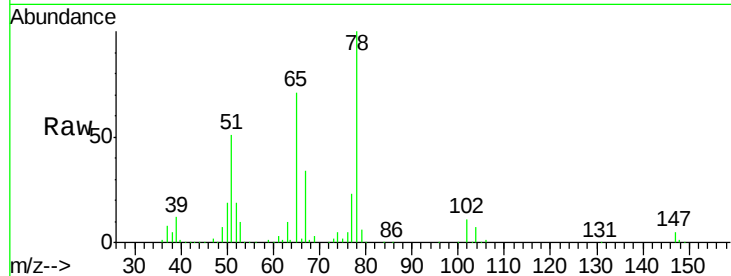
VD0608SBSD01

Tot Ion: 65 Resp: 485535

Ion Ratio Lower Upper

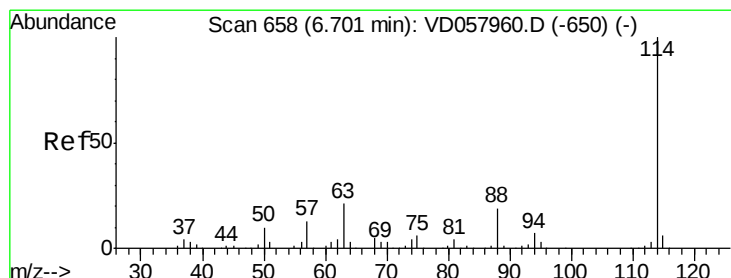
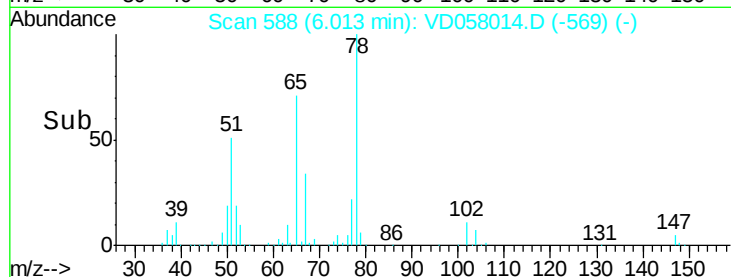
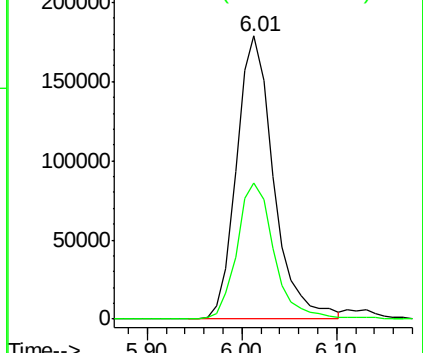
65 100

67 48.1 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

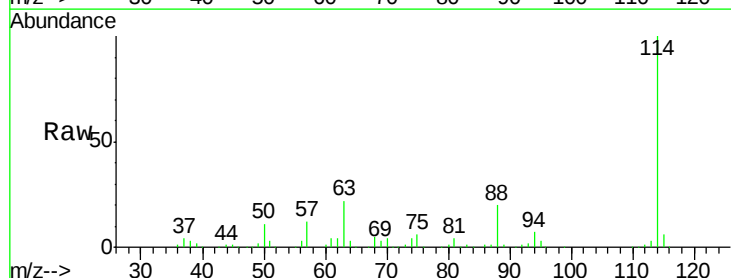
Tgt Ion:114 Resp: 1324373

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.8

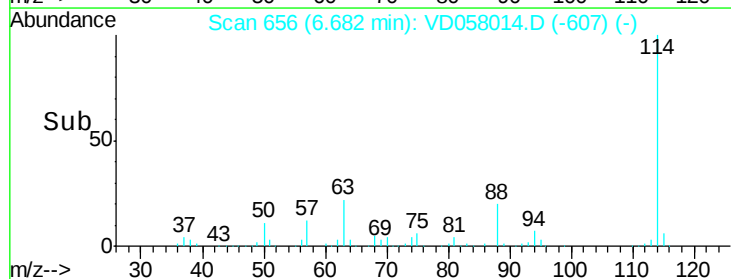
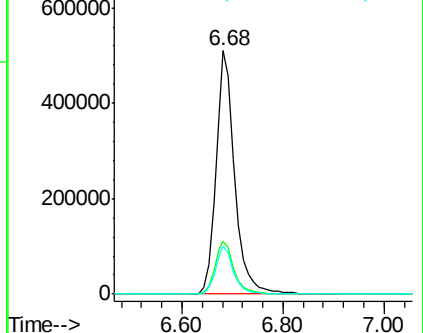
88 19.5 0.0 37.8

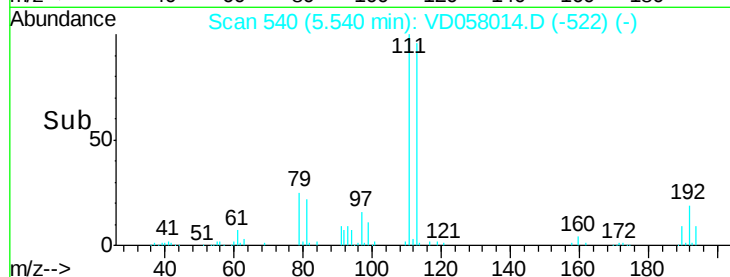
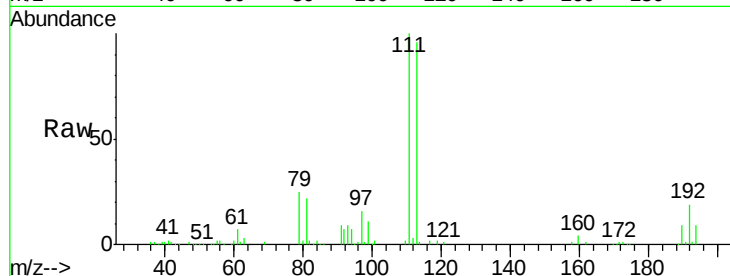
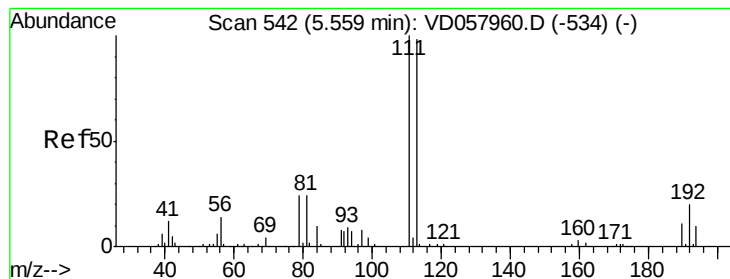


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

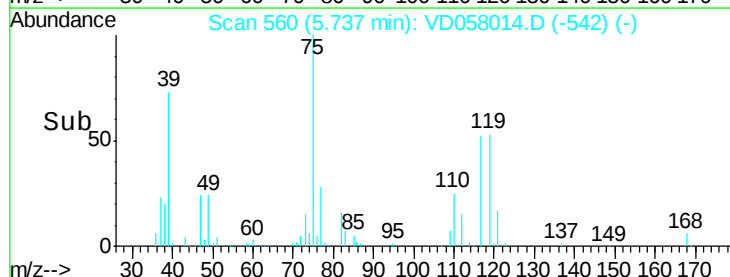
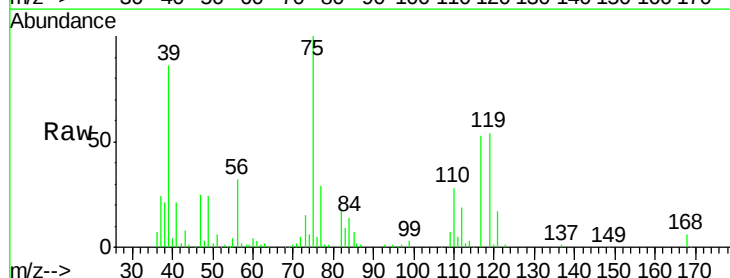
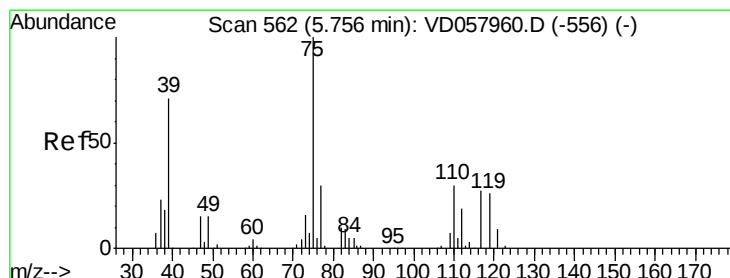
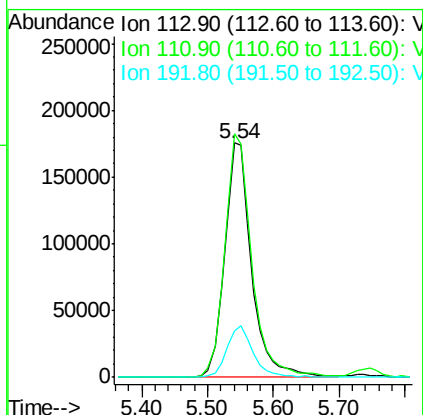
Tot Ion:113 Resp: 501819

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

192 20.1 16.4 24.6



#36

1,1-Dichloropropene

Concen: 21.61 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

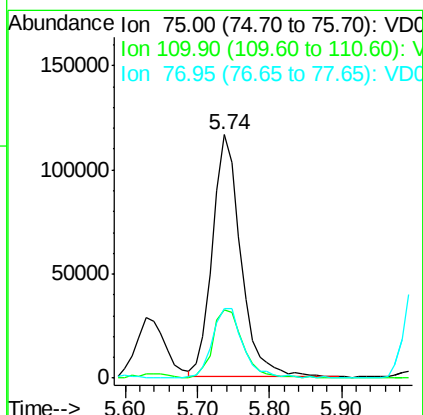
Tgt Ion: 75 Resp: 315268

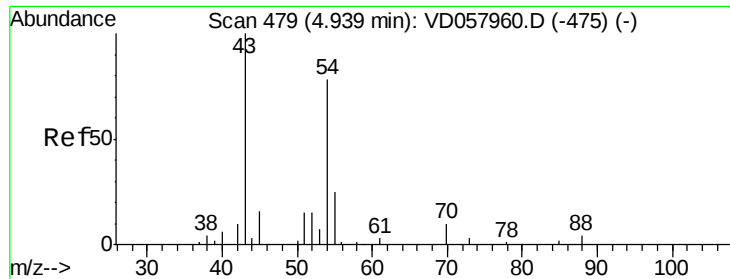
Ion Ratio Lower Upper

75 100

110 28.2 14.8 44.3

77 28.7 23.9 35.9

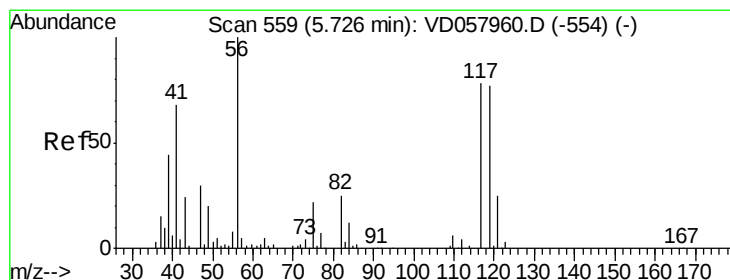
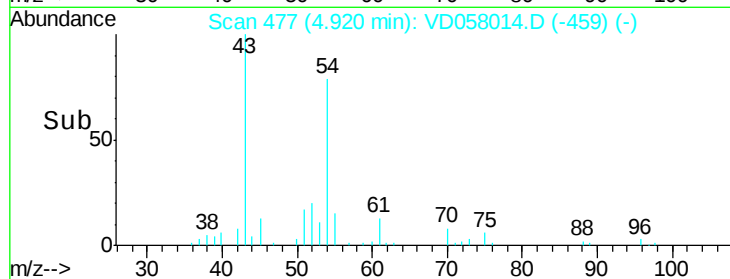
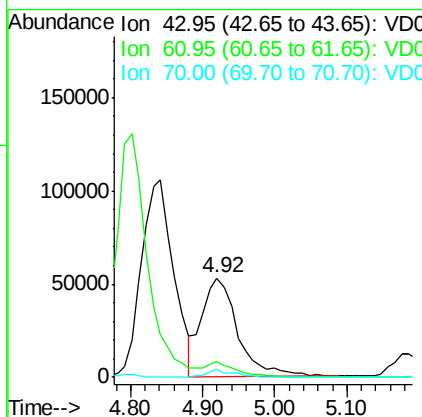
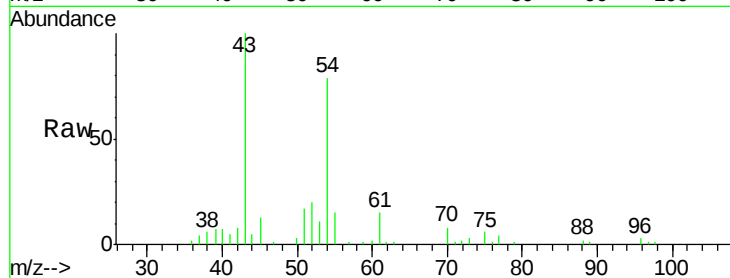




#37
Ethyl Acetate
Concen: 22.72 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

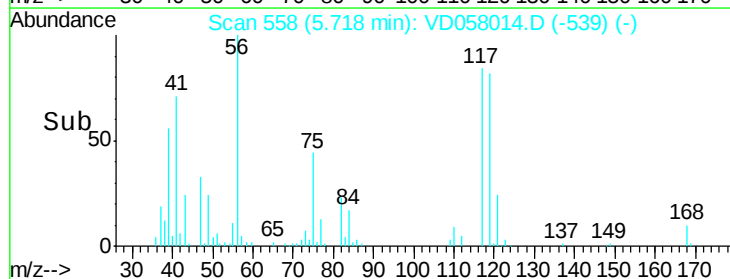
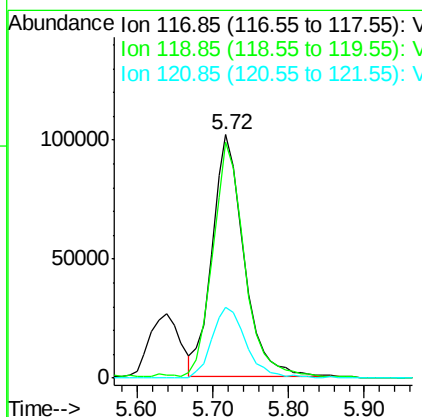
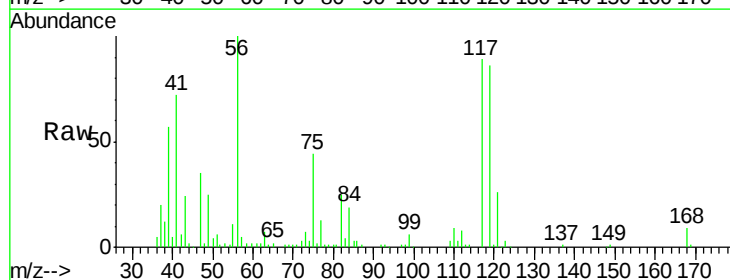
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

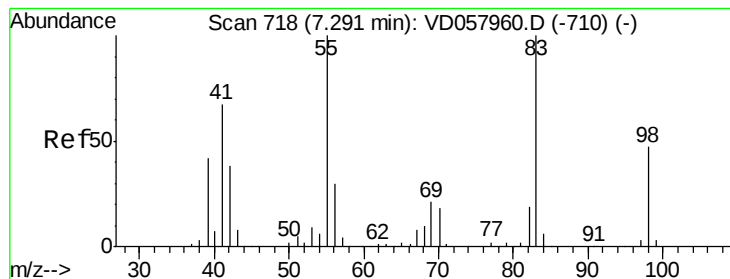
Tot Ion: 43 Resp: 180886
Ion Ratio Lower Upper
43 100
61 15.4 9.9 14.9#
70 7.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 20.69 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 117 Resp: 297562
Ion Ratio Lower Upper
117 100
119 96.8 76.1 114.1
121 29.3 24.9 37.3





#39

Methylcyclohexane

Concen: 21.00 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

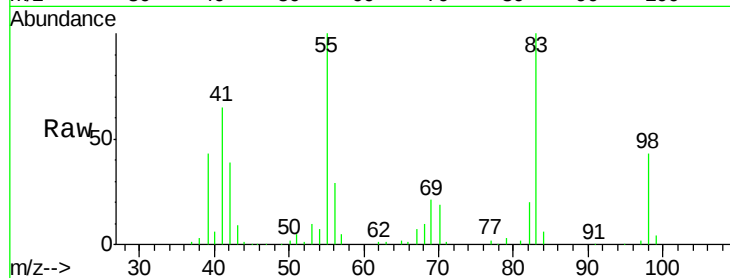
Tot Ion: 83 Resp: 303687

Ion Ratio Lower Upper

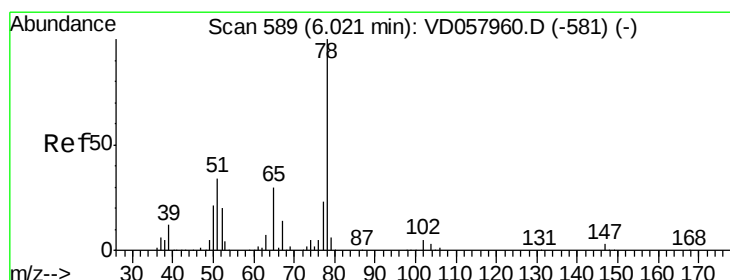
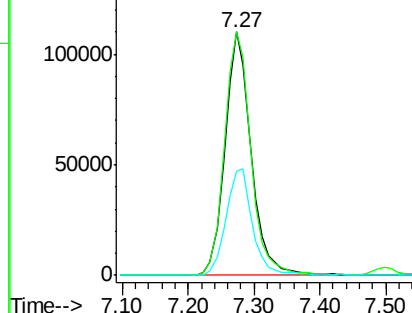
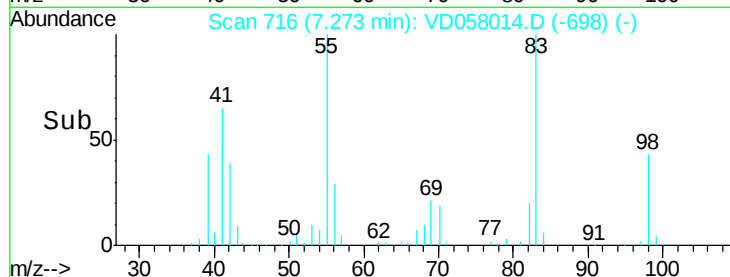
83 100

55 99.8 80.3 120.5

98 42.9 38.0 57.0



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: 21.25 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058014.D

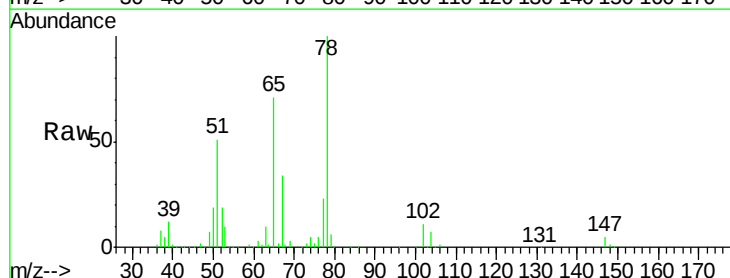
Acq: 8 Jun 2018 13:28

Tgt Ion: 78 Resp: 724252

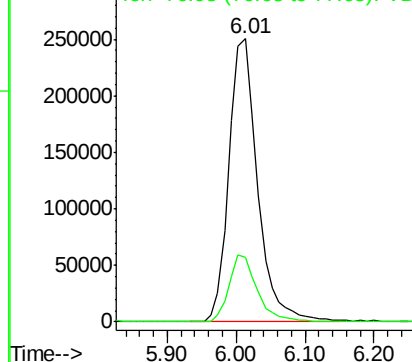
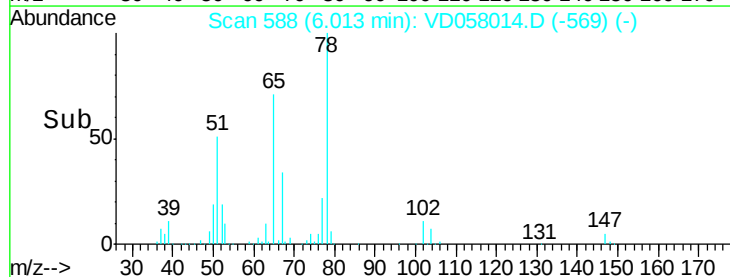
Ion Ratio Lower Upper

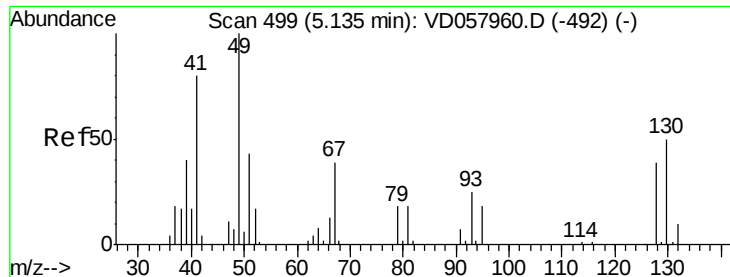
78 100

77 22.7 18.1 27.1



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





#41

Methacrylonitrile

Concen: 22.17 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 41 Resp: 80696

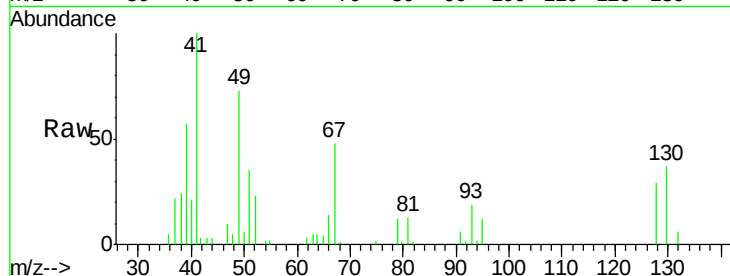
Ion Ratio Lower Upper

41 100

39 56.7 40.7 61.1

67 47.7 38.8 58.2

52 23.2 17.3 25.9

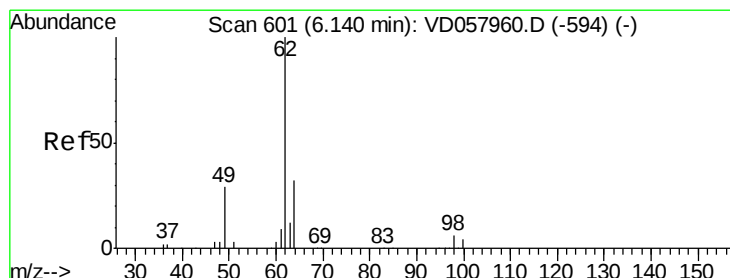
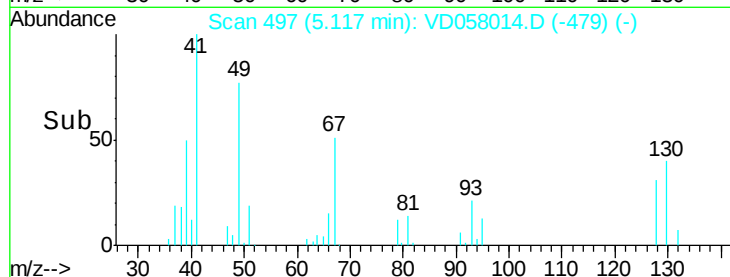
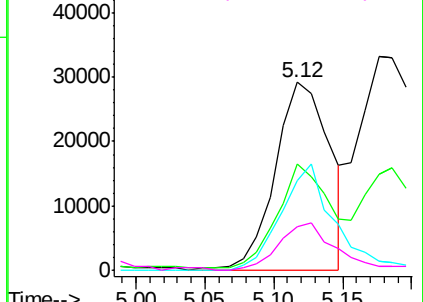


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.68 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058014.D

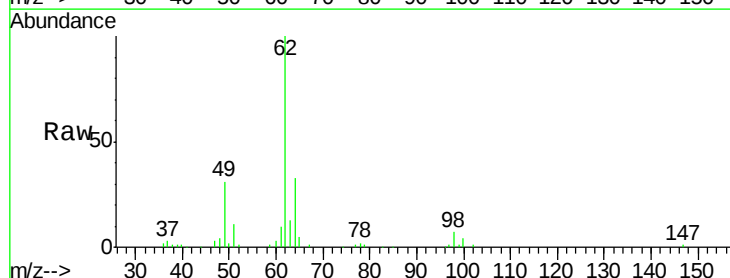
Acq: 8 Jun 2018 13:28

Tgt Ion: 62 Resp: 284968

Ion Ratio Lower Upper

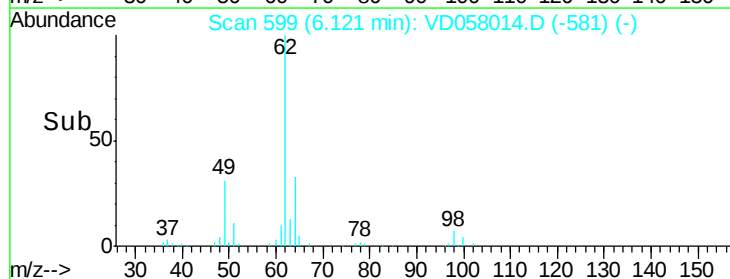
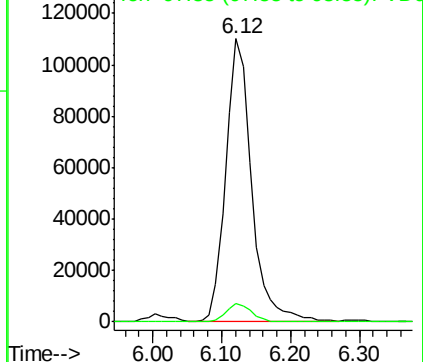
62 100

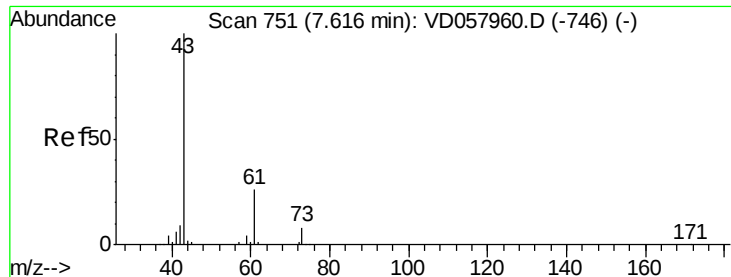
98 6.5 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



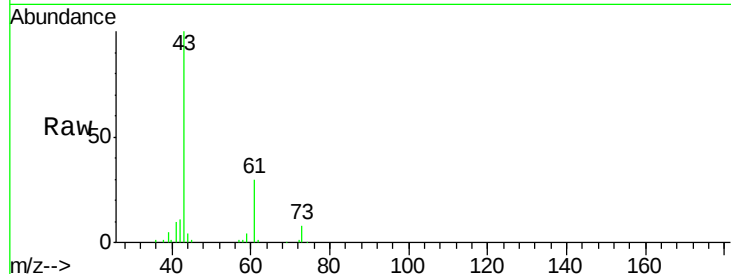


#43

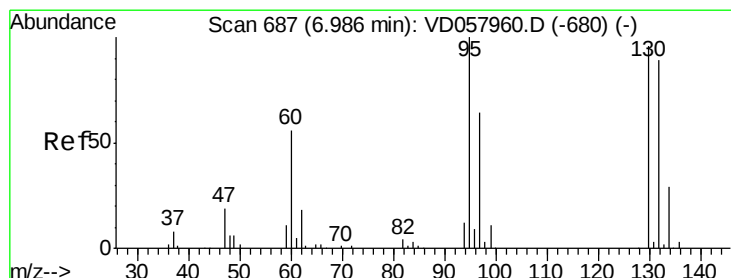
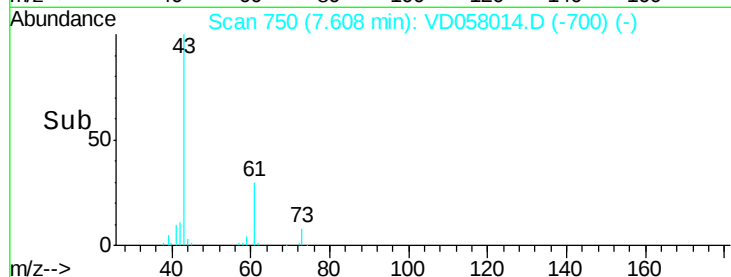
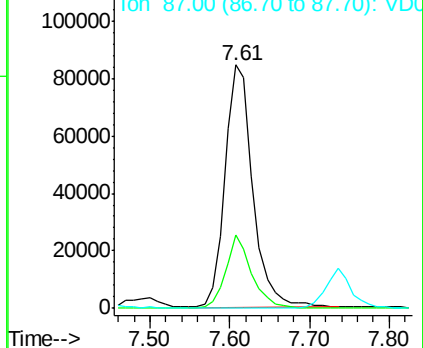
Isopropyl Acetate
 Concen: 19.85 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion: 43 Resp: 206968
 Ion Ratio Lower Upper
 43 100
 61 30.2 20.6 30.8
 87 0.0 0.2 0.4#



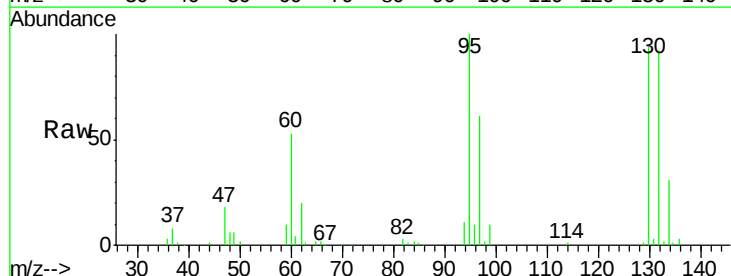
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



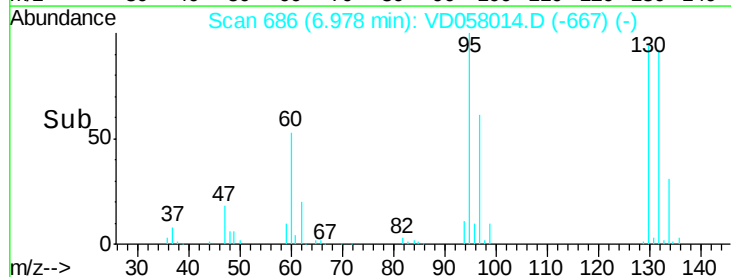
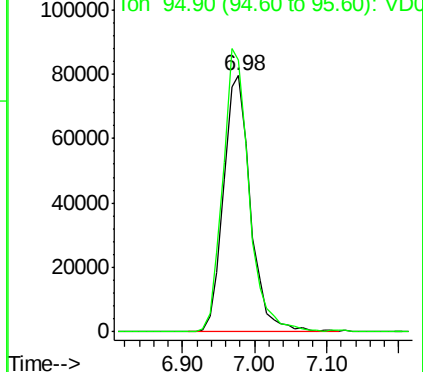
#44

Trichloroethene
 Concen: 20.69 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion: 130 Resp: 206039
 Ion Ratio Lower Upper
 130 100
 95 106.1 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 20.71 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

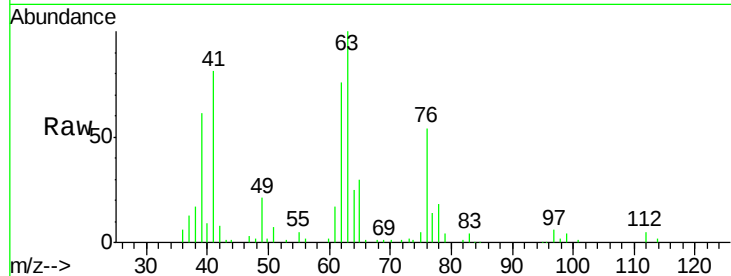
VD0608SBS01

Tot Ion: 63 Resp: 196212

Ion Ratio Lower Upper

63 100

65 30.4 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

80000

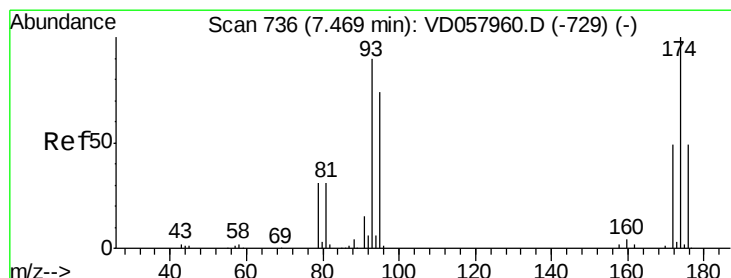
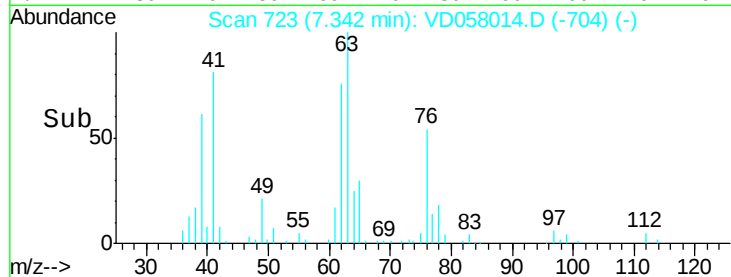
60000

40000

20000

0

Time--> 7.10 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 20.56 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

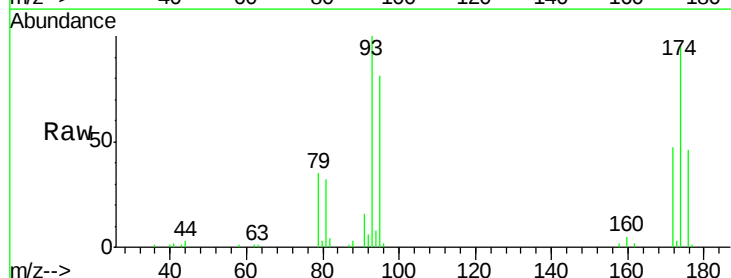
Tgt Ion: 93 Resp: 125120

Ion Ratio Lower Upper

93 100

95 81.2 65.7 98.5

174 96.2 89.0 133.4



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

80000

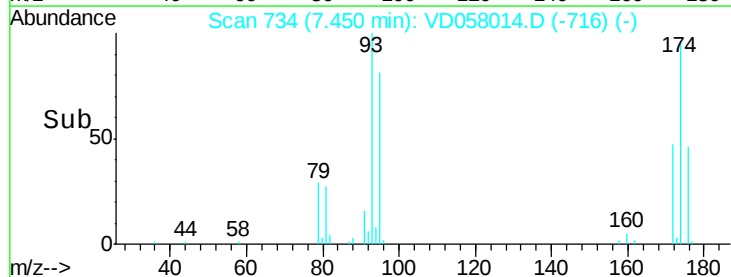
60000

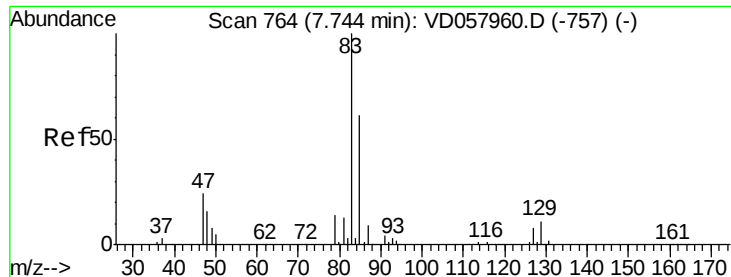
40000

20000

0

Time--> 7.30 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 20.92 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

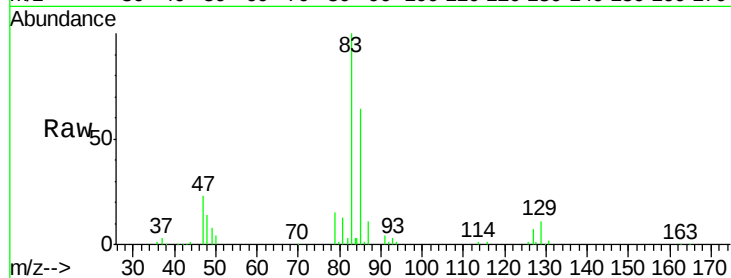
Tot Ion: 83 Resp: 298138

Ion Ratio Lower Upper

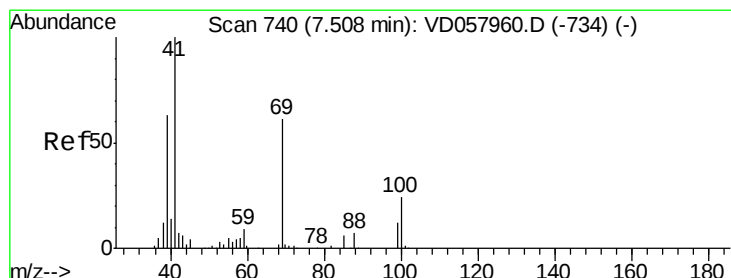
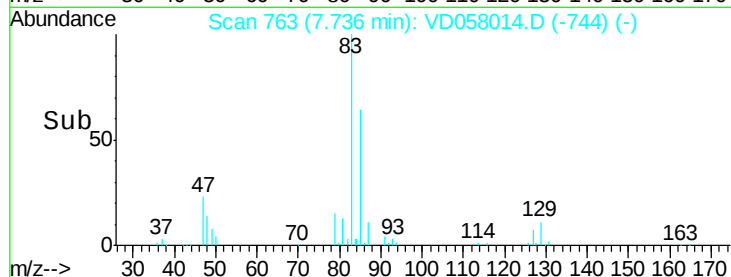
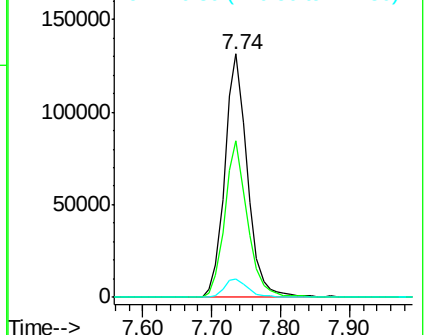
83 100

85 64.4 49.1 73.7

127 7.3 6.2 9.2



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



#48

Methyl methacrylate

Concen: 19.82 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

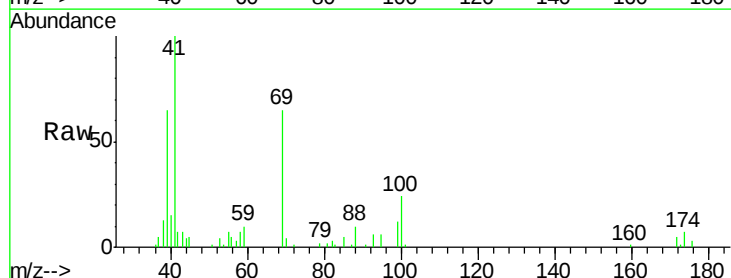
Tgt Ion: 41 Resp: 127241

Ion Ratio Lower Upper

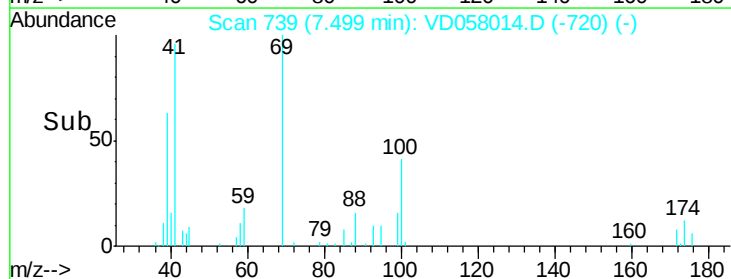
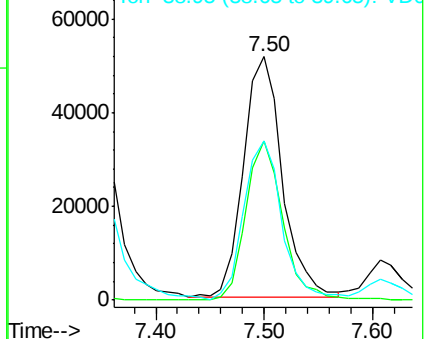
41 100

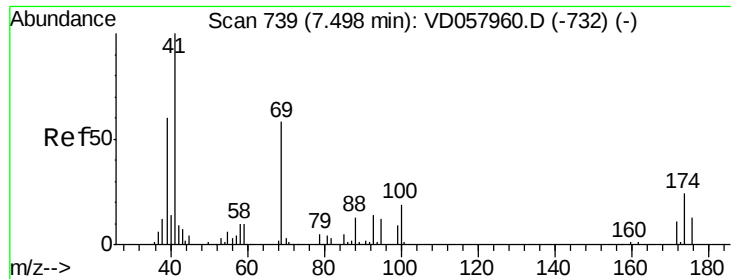
69 65.4 48.0 72.0

39 65.3 50.7 76.1



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: 394.99 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

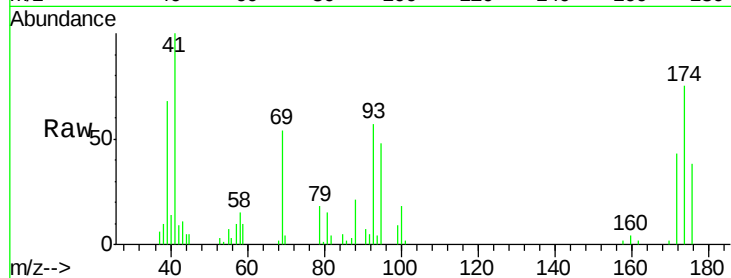
Tot Ion: 88 Resp: 21003

Ion Ratio Lower Upper

88 100

43 51.6 46.6 69.8

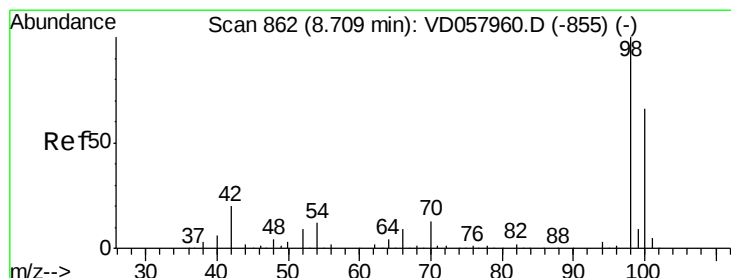
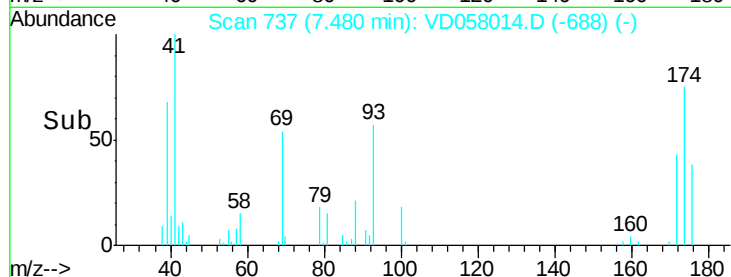
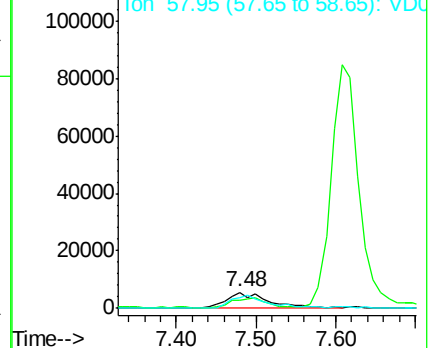
58 68.0 63.6 95.4



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: 394.99 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058014.D

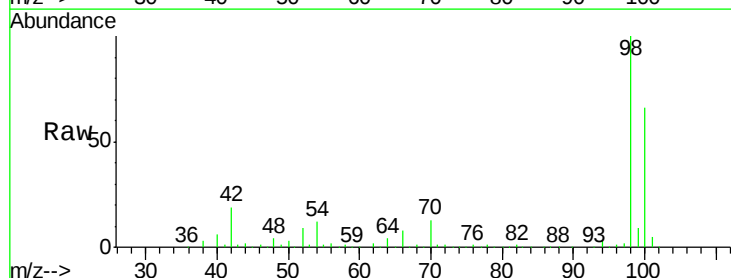
Acq: 8 Jun 2018 13:28

Tgt Ion: 98 Resp: 1196112

Ion Ratio Lower Upper

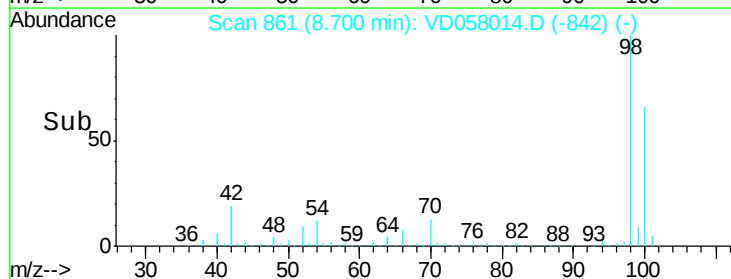
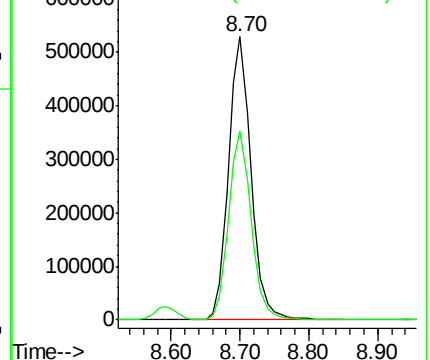
98 100

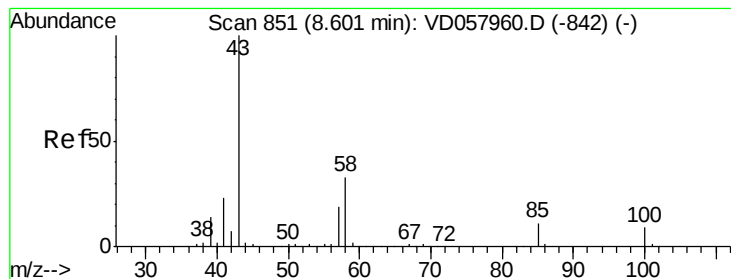
100 66.4 53.4 80.0



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: 107.02 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

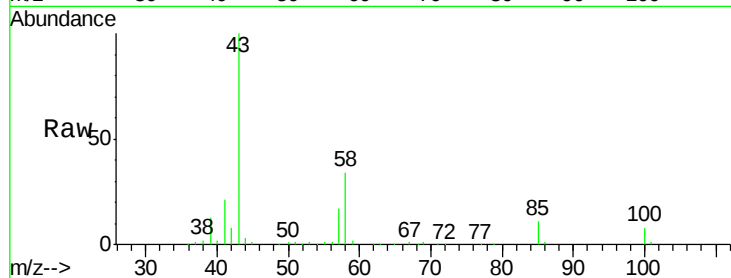
VD0608SBSD01

Tot Ion: 43 Resp: 715879

Ion Ratio Lower Upper

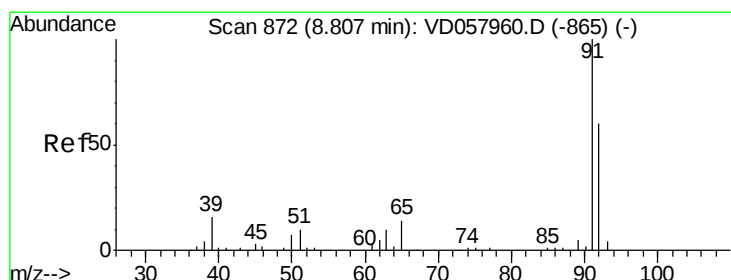
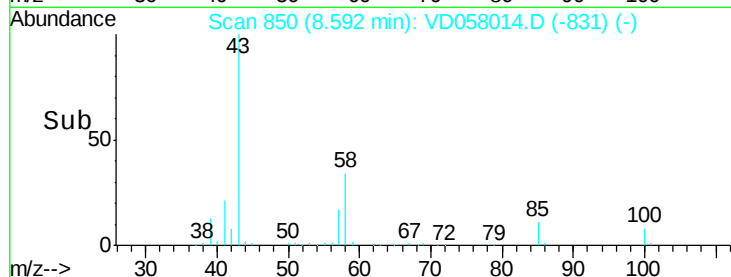
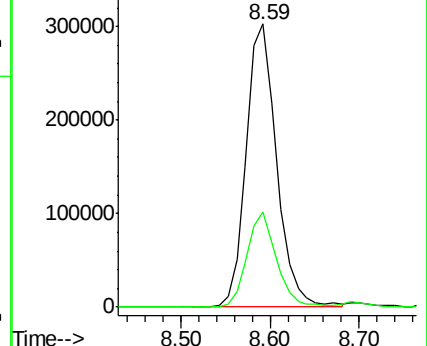
43 100

58 33.5 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.66 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058014.D

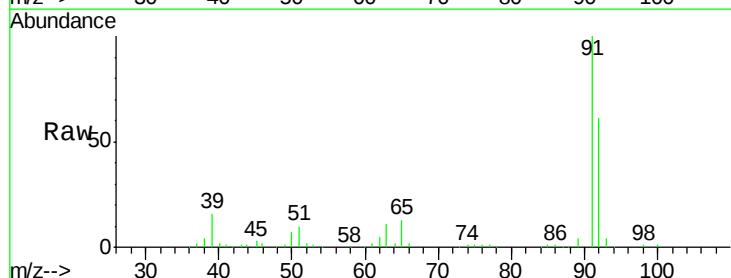
Acq: 8 Jun 2018 13:28

Tgt Ion: 92 Resp: 423696

Ion Ratio Lower Upper

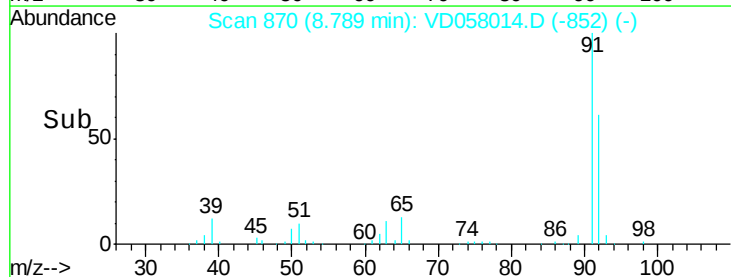
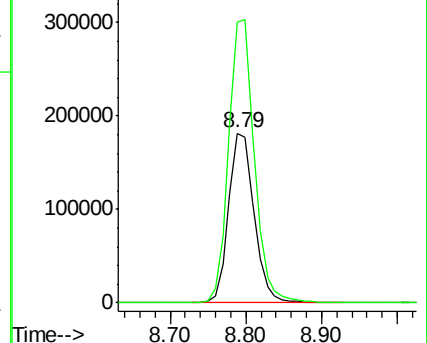
92 100

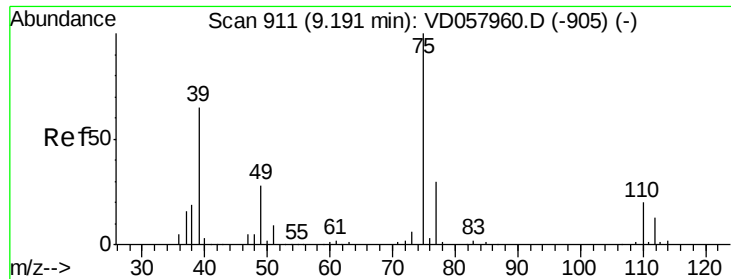
91 165.2 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

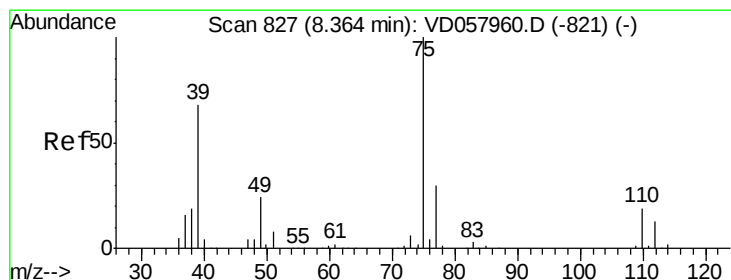
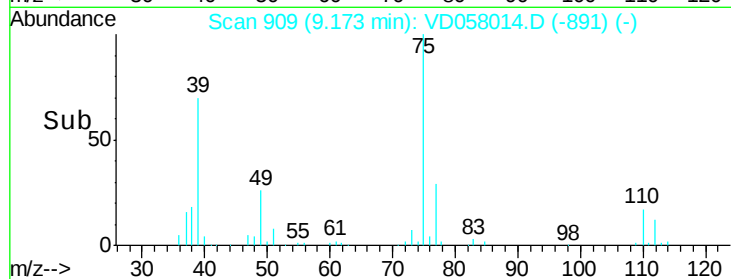
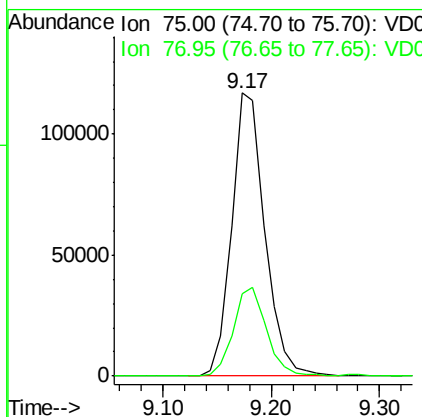
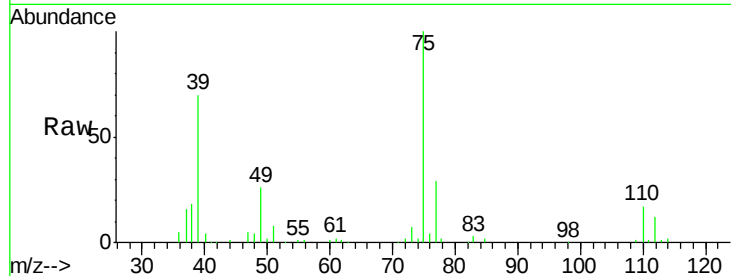




#53
 t-1,3-Dichloropropene
 Concen: 20.26 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

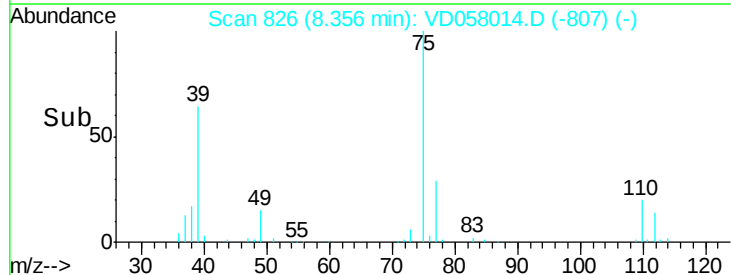
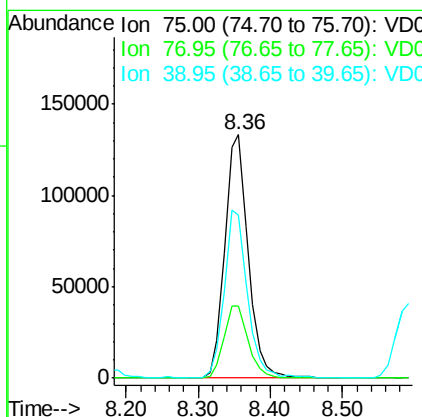
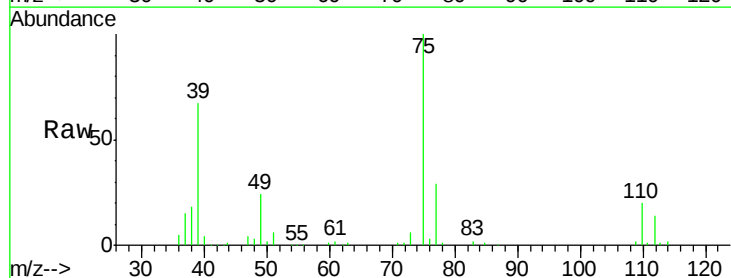
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

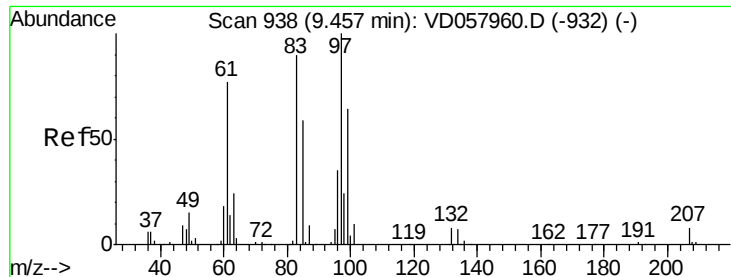
Tot Ion: 75 Resp: 248723
 Ion Ratio Lower Upper
 75 100
 77 29.2 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.66 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion: 75 Resp: 298850
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.1 36.1
 39 66.7 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 21.07 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 97 Resp: 133405

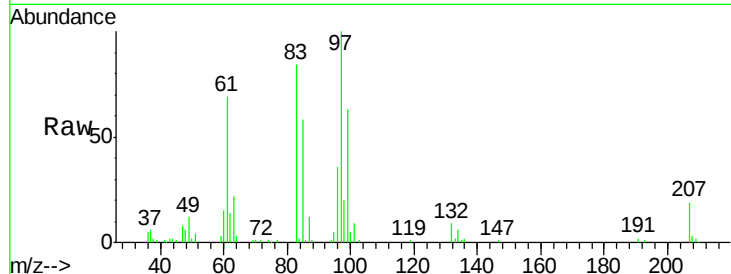
Ion Ratio Lower Upper

97 100

83 84.5 71.8 107.8

85 58.0 47.2 70.8

99 62.7 51.4 77.0

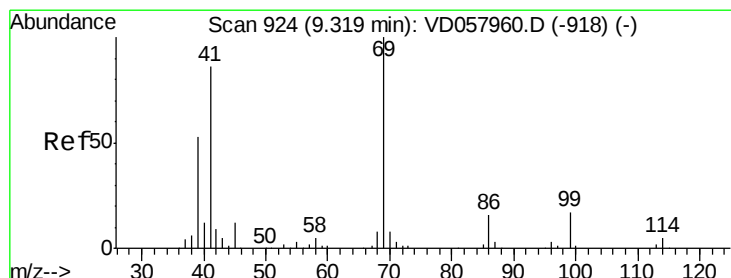
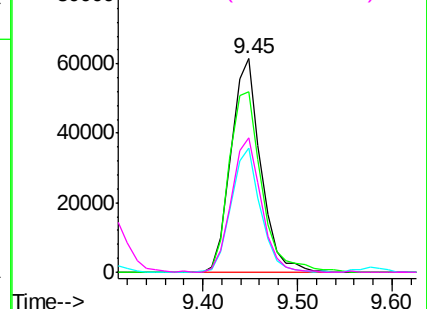
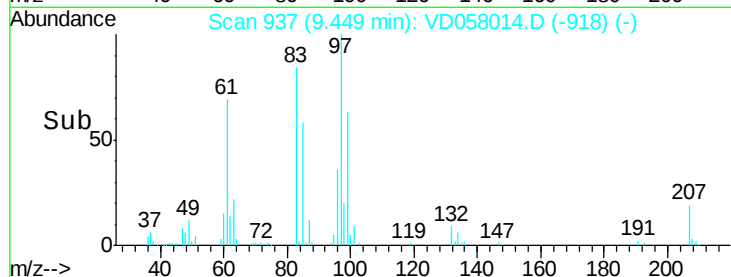


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.59 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

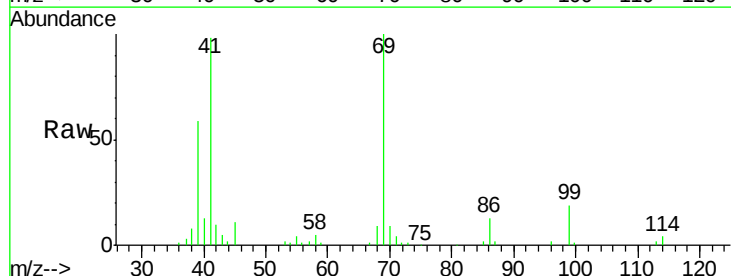
Tgt Ion: 69 Resp: 159880

Ion Ratio Lower Upper

69 100

41 97.9 68.4 102.6

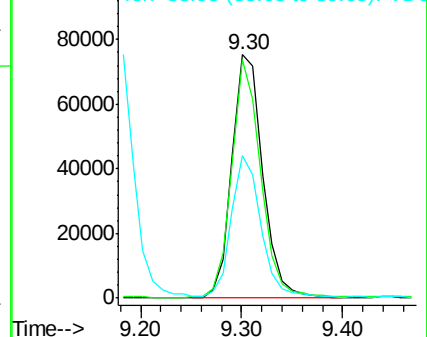
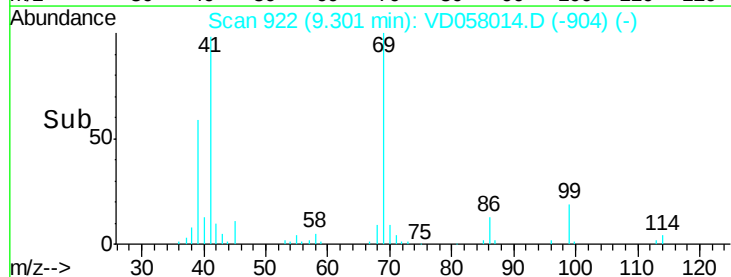
39 58.6 43.0 64.4

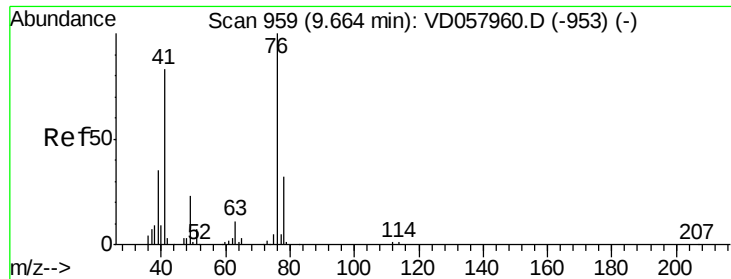


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.74 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

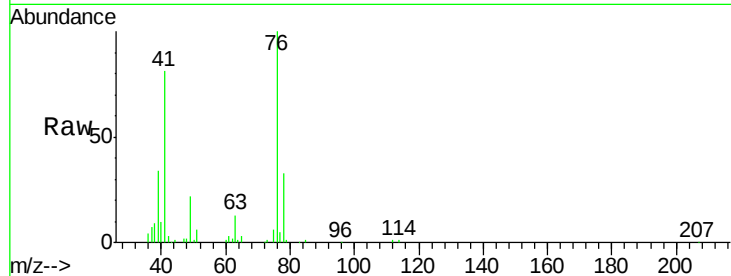
VD0608SBSD01

Tot Ion: 76 Resp: 230313

Ion Ratio Lower Upper

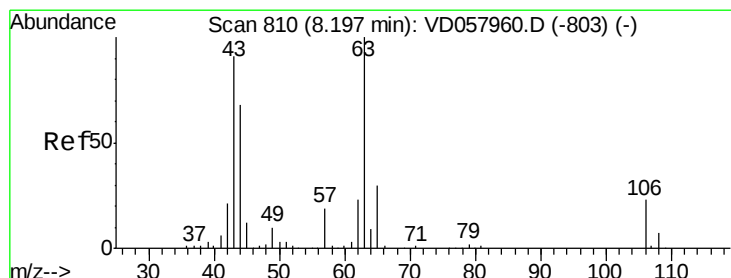
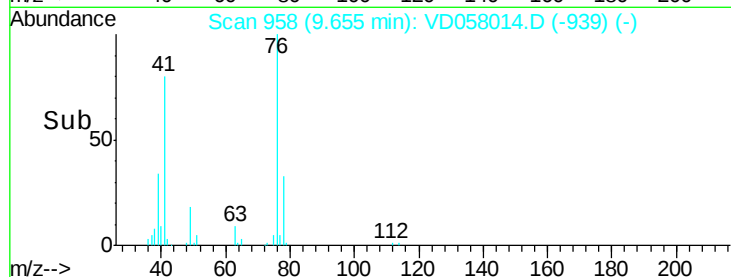
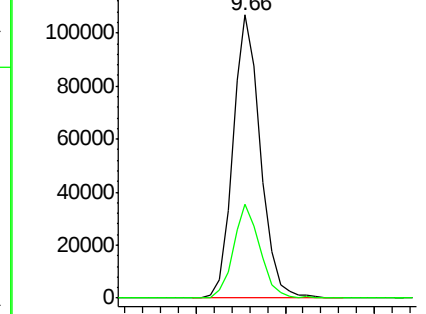
76 100

78 33.0 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 107.59 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058014.D

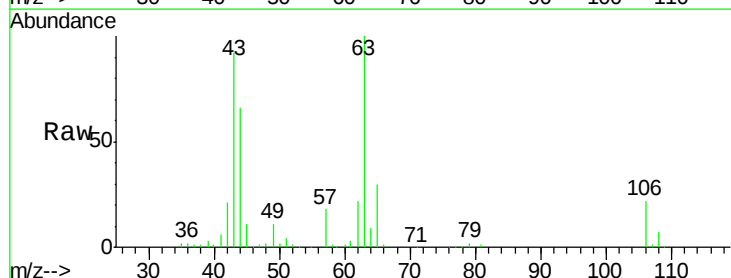
Acq: 8 Jun 2018 13:28

Tgt Ion: 63 Resp: 422132

Ion Ratio Lower Upper

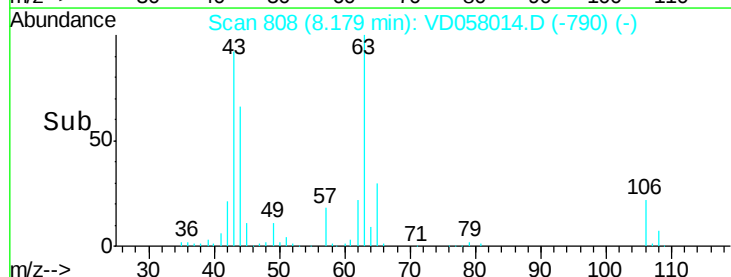
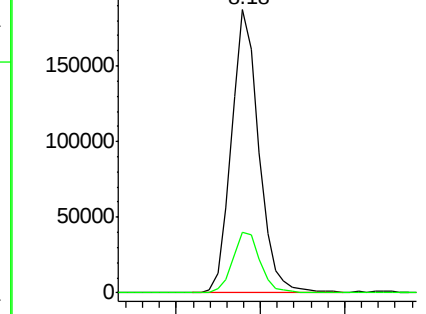
63 100

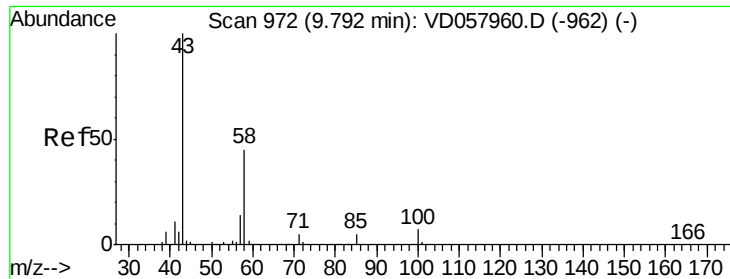
106 21.6 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

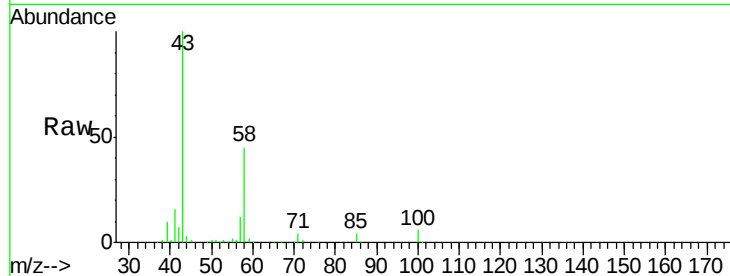




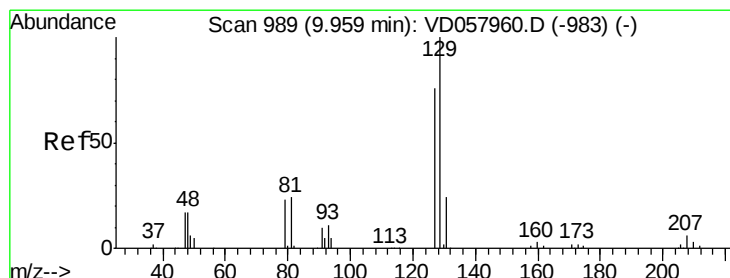
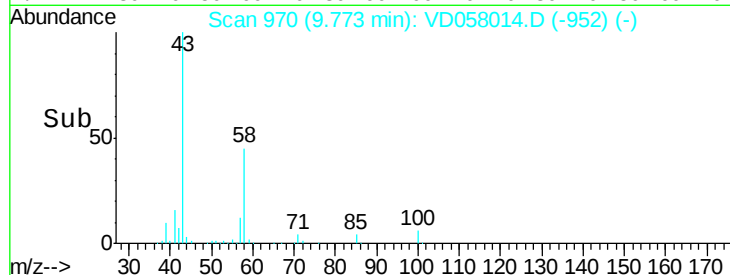
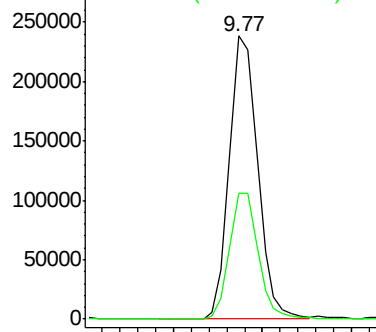
#59
2-Hexanone
Concen: 106.97 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion: 43 Resp: 524336
Ion Ratio Lower Upper
43 100
58 44.6 22.5 67.5

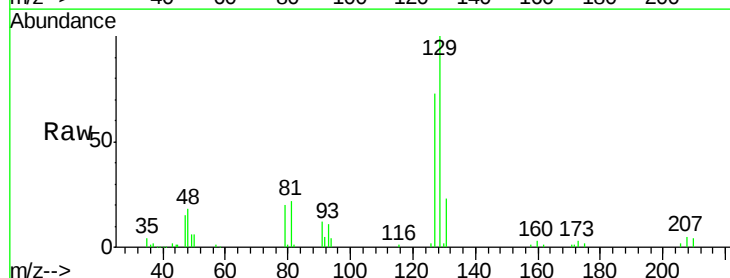


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

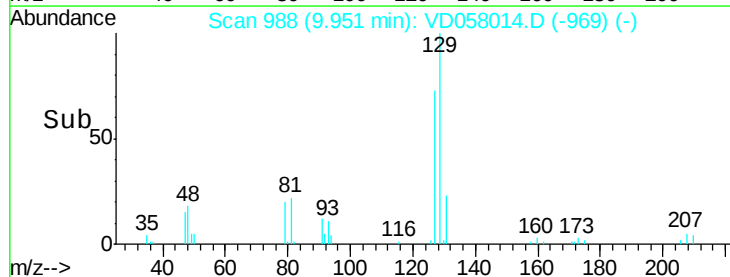
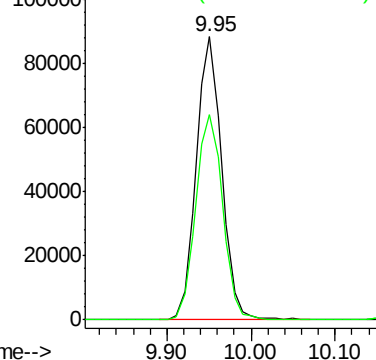


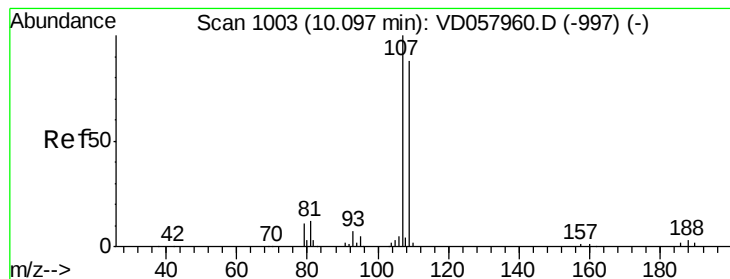
#60
Dibromochloromethane
Concen: 20.76 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 129 Resp: 185309
Ion Ratio Lower Upper
129 100
127 72.8 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.05 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

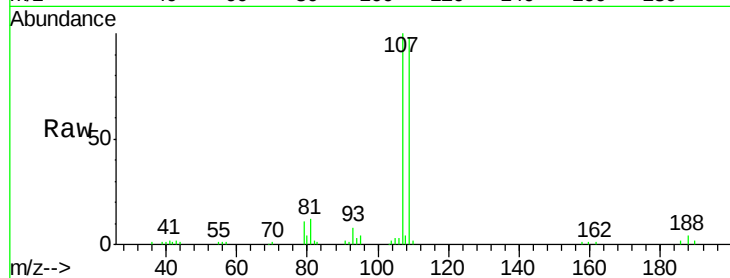
VD0608SBSD01

Tot Ion:107 Resp: 145946

Ion Ratio Lower Upper

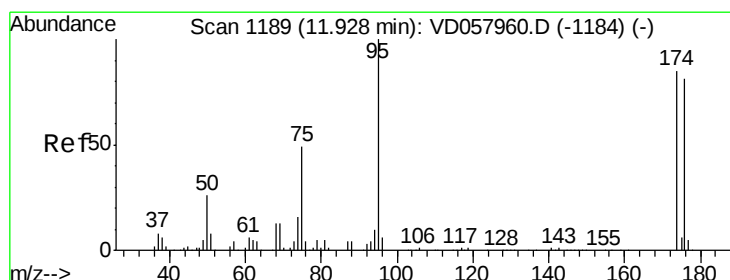
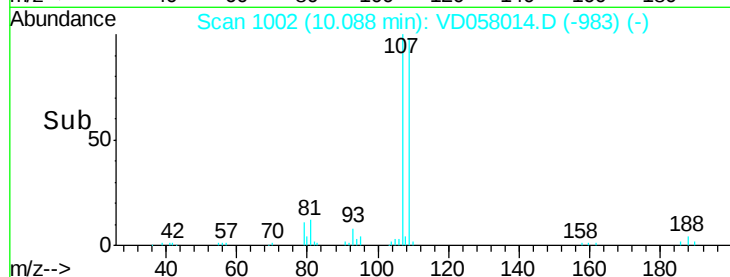
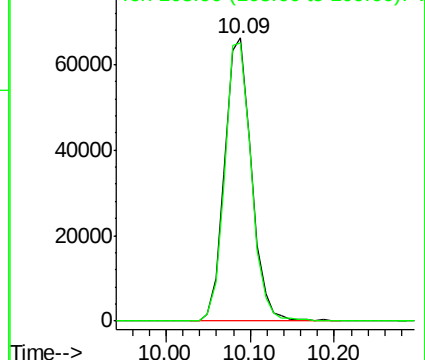
107 100

109 98.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.05 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

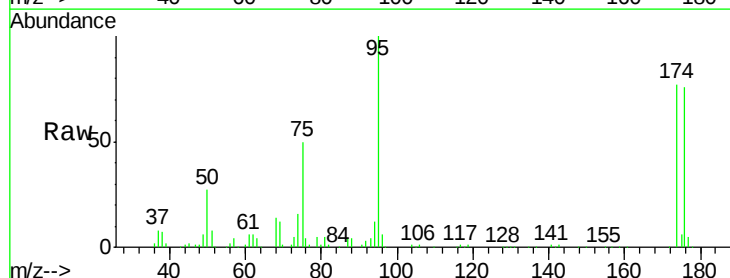
Tgt Ion: 95 Resp: 485453

Ion Ratio Lower Upper

95 100

174 76.7 0.0 169.4

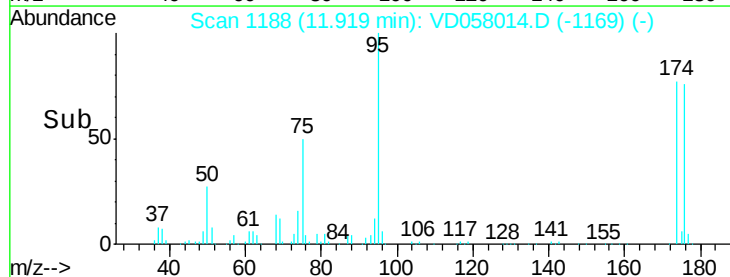
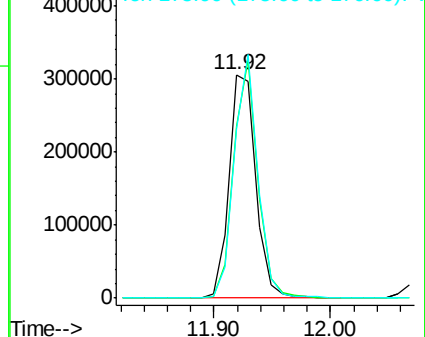
176 75.8 0.0 162.6

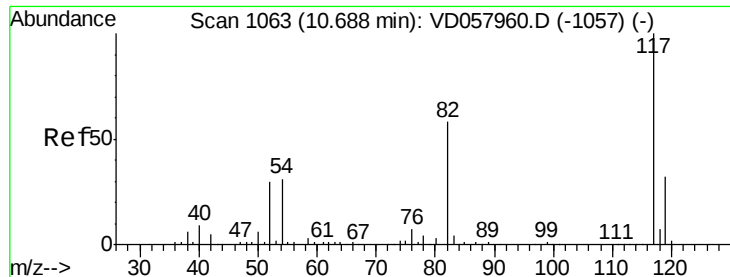


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

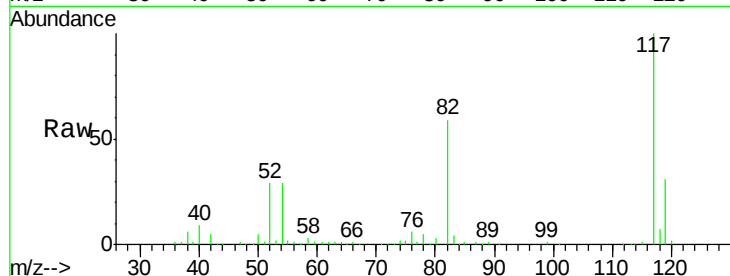




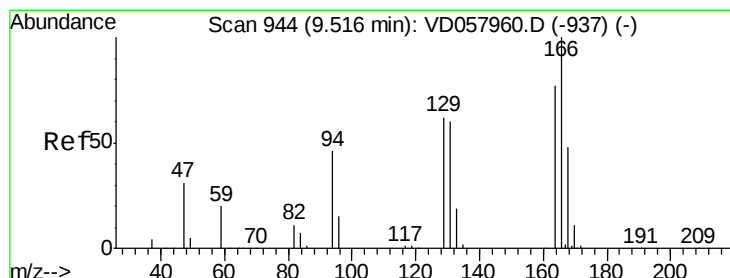
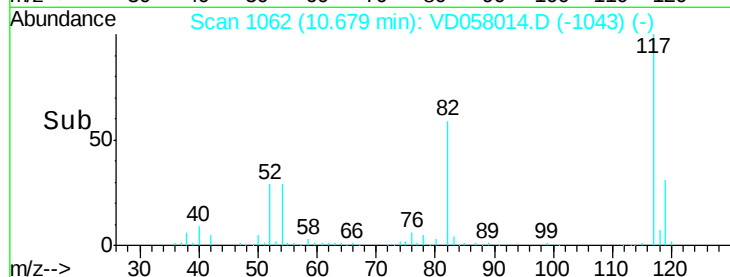
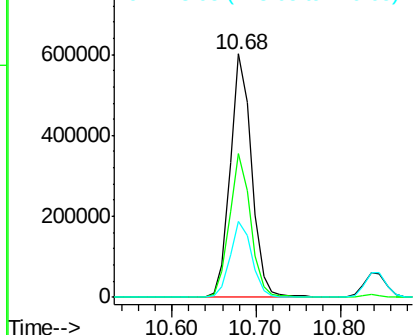
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion:117 Resp: 1063717
Ion Ratio Lower Upper
117 100
82 59.2 46.8 70.2
119 31.3 25.8 38.6

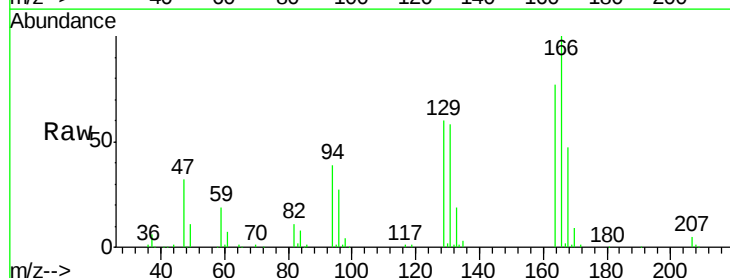


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

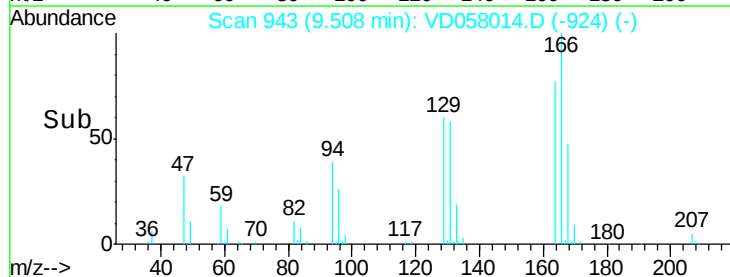
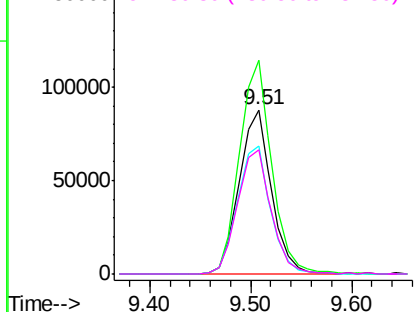


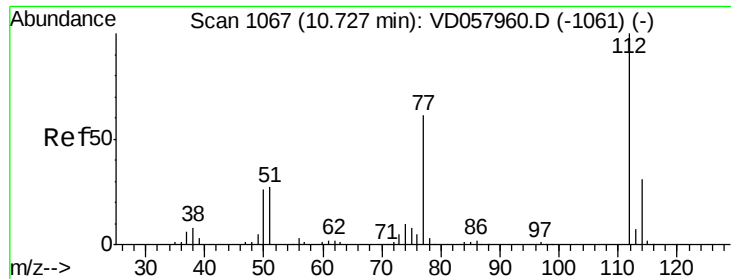
#64
Tetrachloroethene
Concen: 20.56 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion:164 Resp: 195560
Ion Ratio Lower Upper
164 100
166 129.9 104.4 156.6
129 77.9 65.0 97.6
131 75.7 62.9 94.3



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

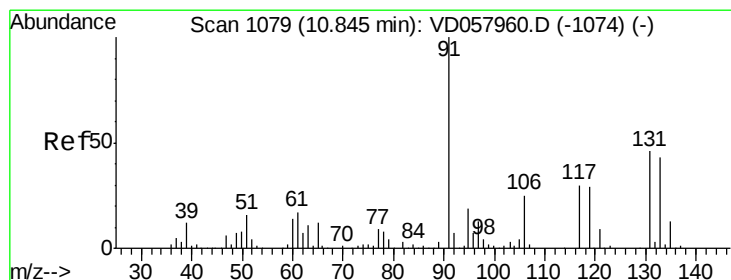
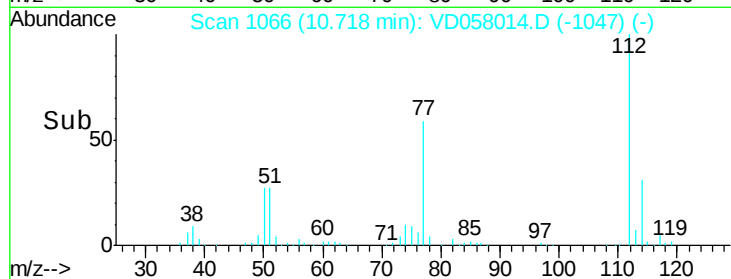
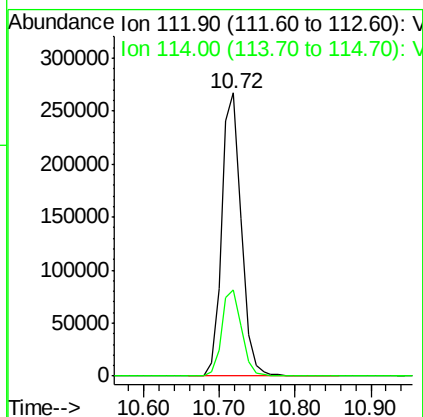
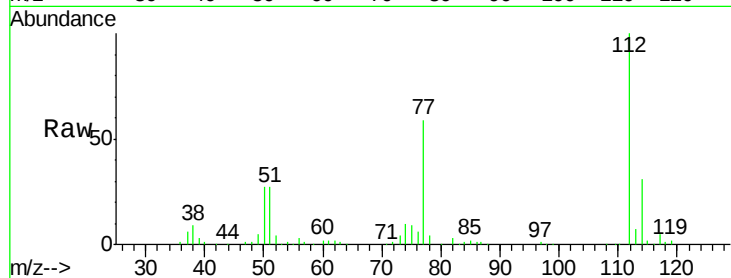




#65
Chlorobenzene
Concen: 22.30 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

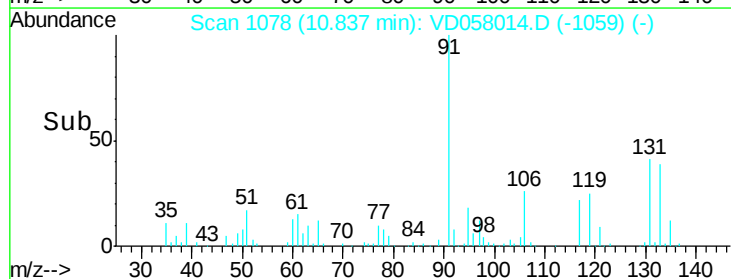
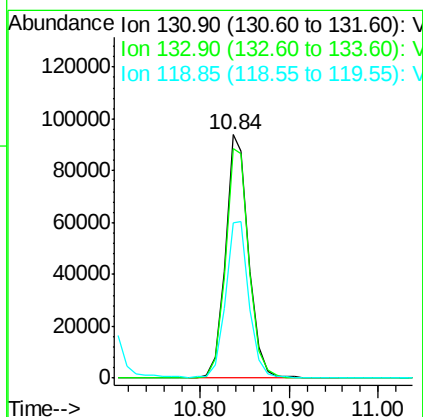
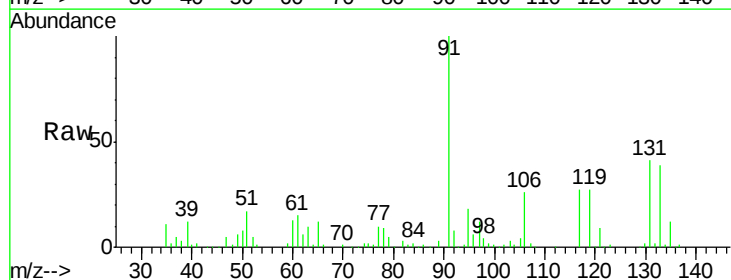
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

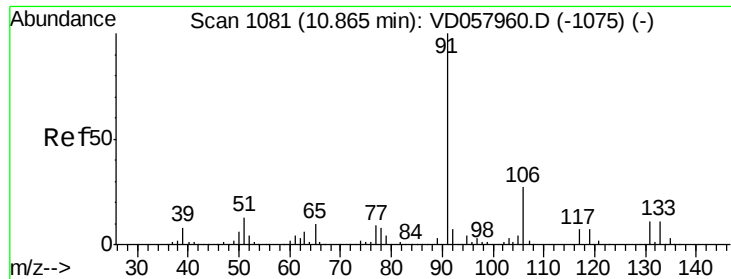
Tot Ion:112 Resp: 480253
Ion Ratio Lower Upper
112 100
114 30.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.74 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion:131 Resp: 171627
Ion Ratio Lower Upper
131 100
133 94.0 46.9 140.6
119 64.0 31.8 95.3

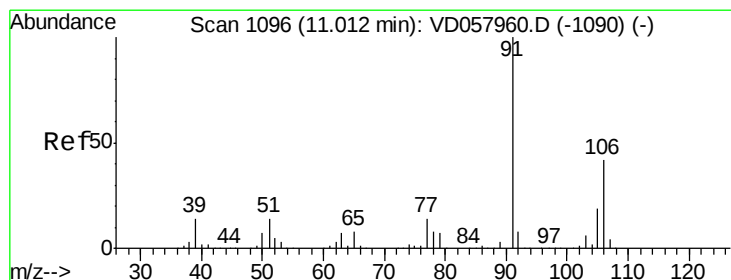
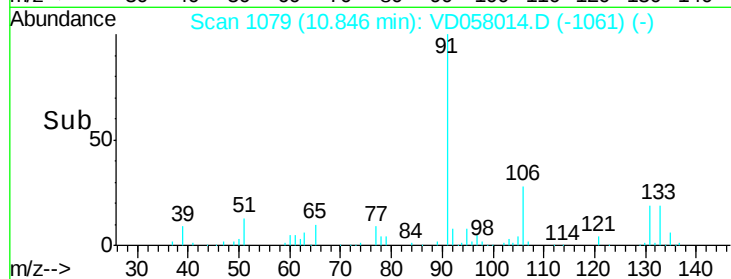
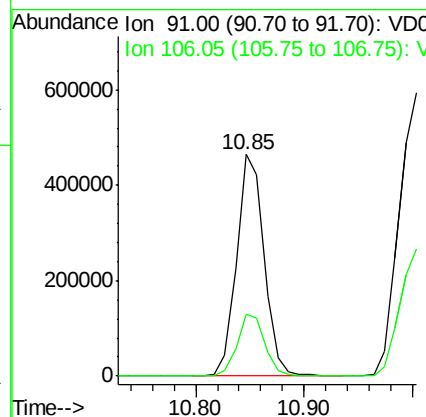
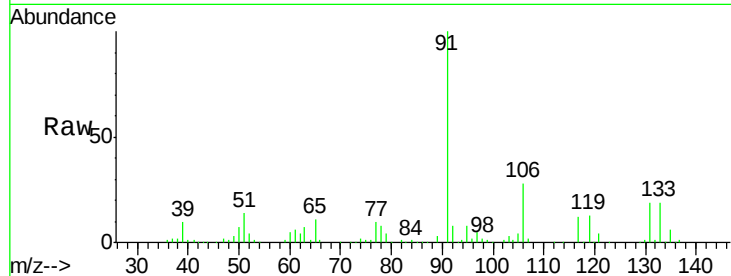




#67
Ethyl Benzene
Concen: 21.07 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

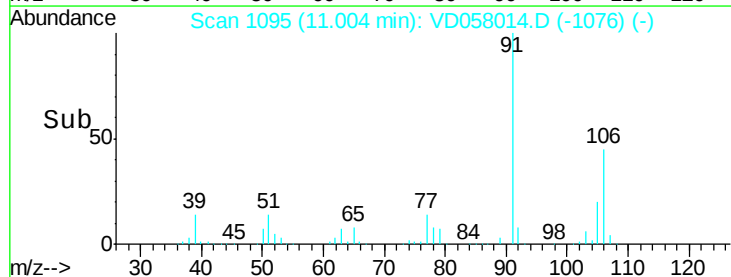
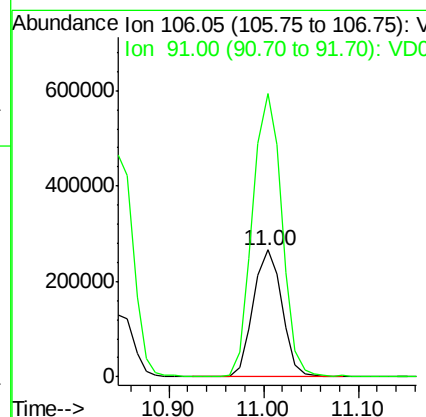
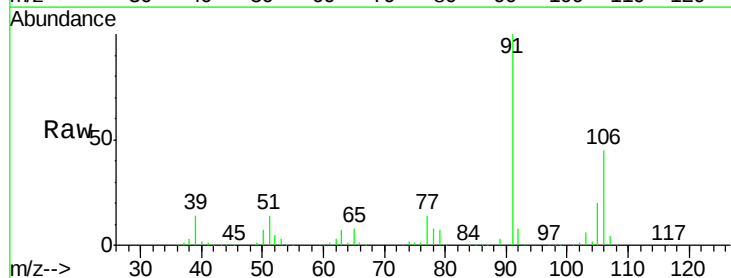
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

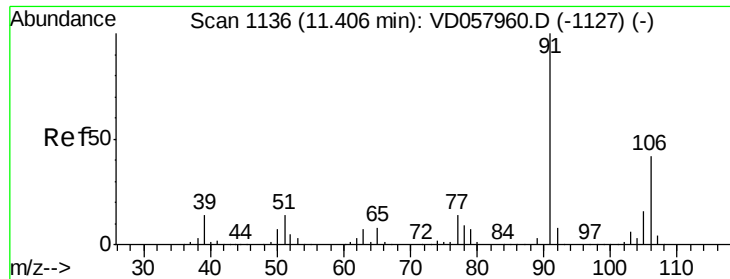
Tot Ion: 91 Resp: 819768
Ion Ratio Lower Upper
91 100
106 28.0 21.5 32.3



#68
m/p-Xylenes
Concen: 44.32 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 106 Resp: 562135
Ion Ratio Lower Upper
106 100
91 223.1 190.4 285.6

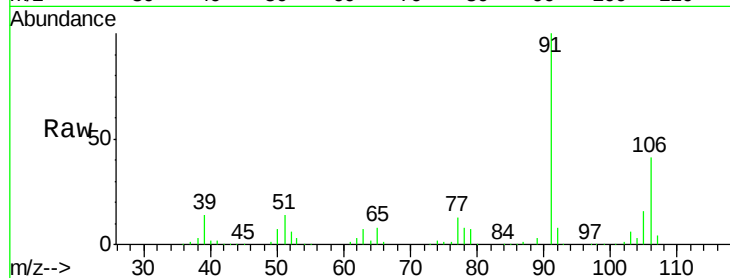




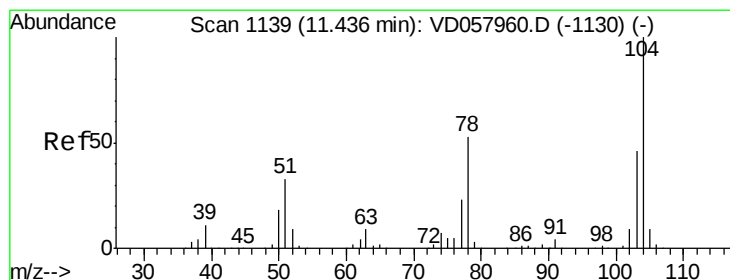
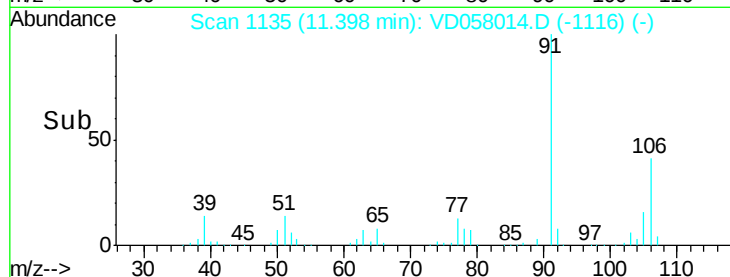
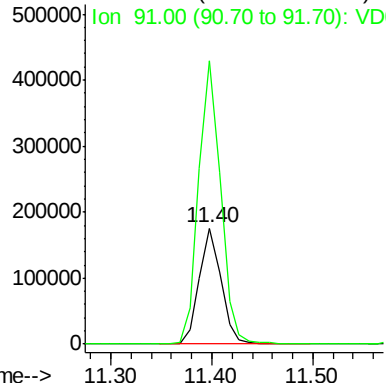
#69
o-Xylene
Concen: 21.13 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion:106 Resp: 265987
Ion Ratio Lower Upper
106 100
91 243.5 120.6 361.7

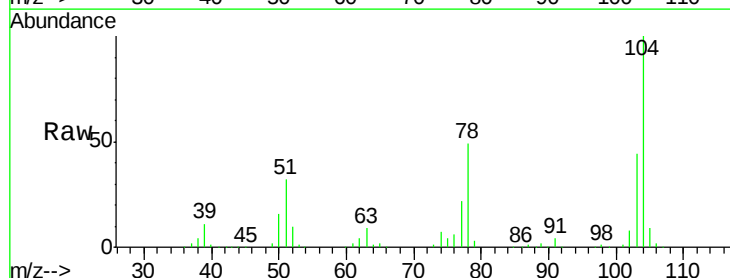


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

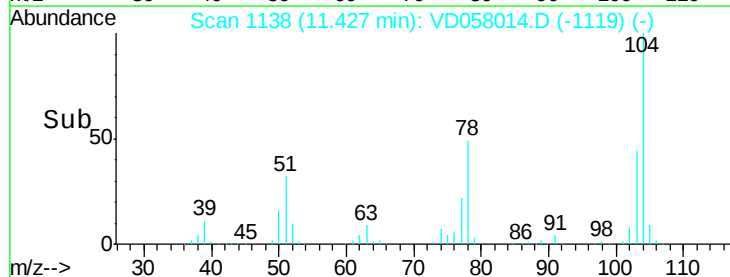
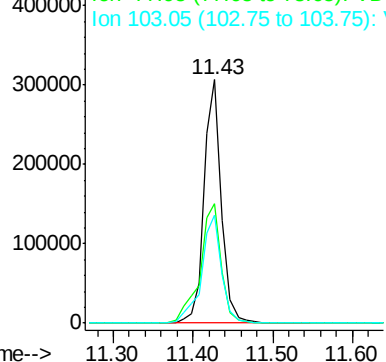


#70
Styrene
Concen: 22.34 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion:104 Resp: 465645
Ion Ratio Lower Upper
104 100
78 49.1 42.1 63.1
103 44.5 37.0 55.6



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

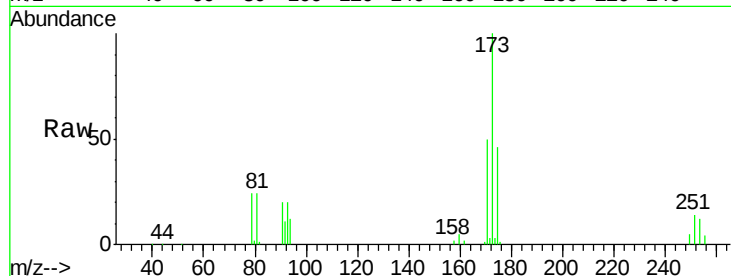




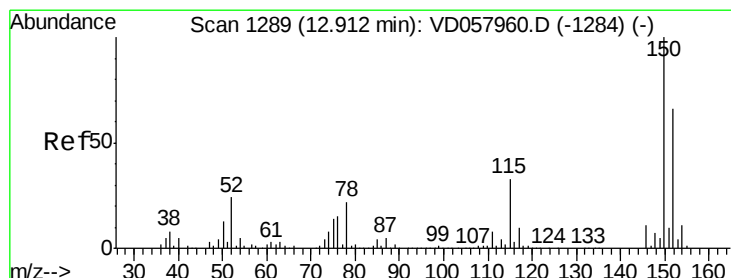
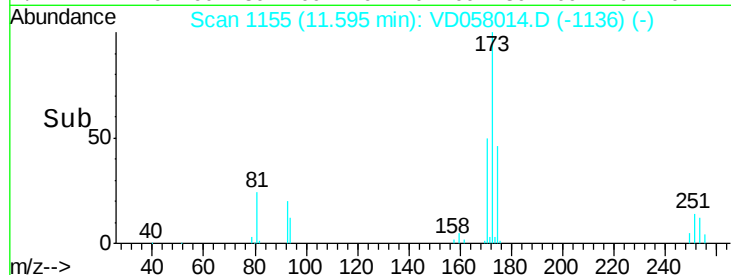
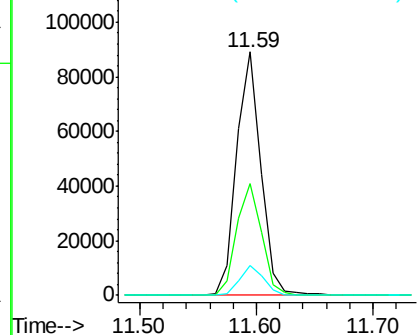
#71
Bromoform
Concen: 20.62 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion:173 Resp: 128346
Ion Ratio Lower Upper
173 100
175 45.9 25.1 75.2
254 12.1 10.7 16.1

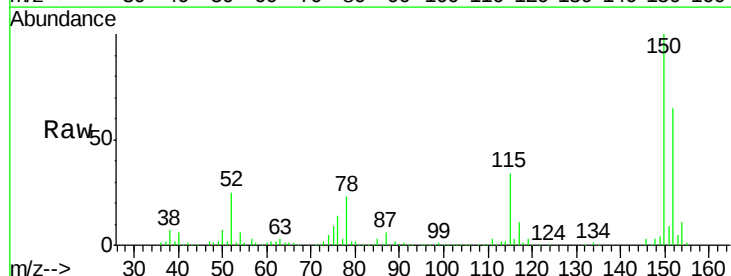


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

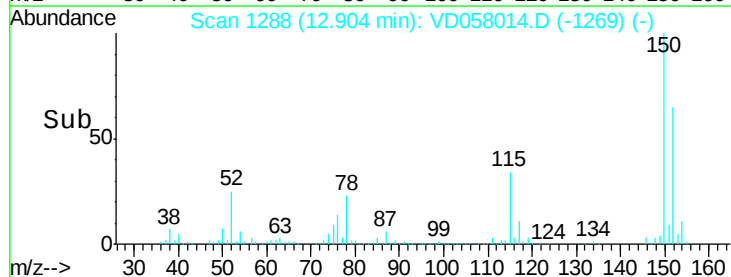
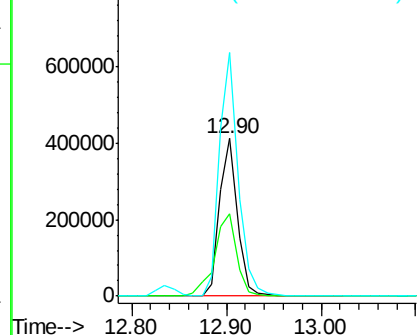


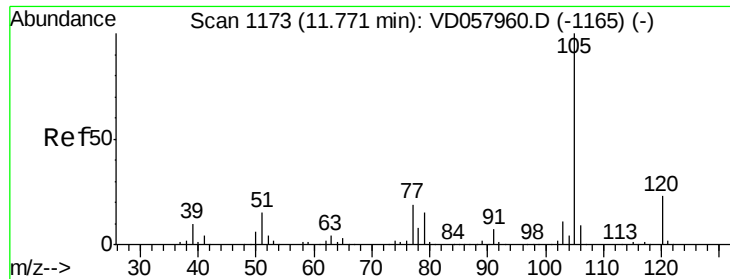
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion:152 Resp: 544844
Ion Ratio Lower Upper
152 100
115 52.3 25.6 76.6
150 154.4 0.0 306.8



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: 21.35 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

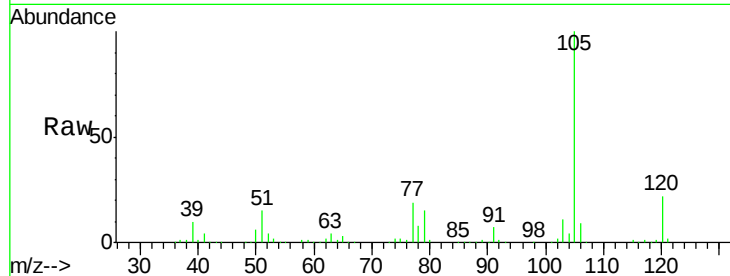
VD0608SBSD01

Tot Ion:105 Resp: 770392

Ion Ratio Lower Upper

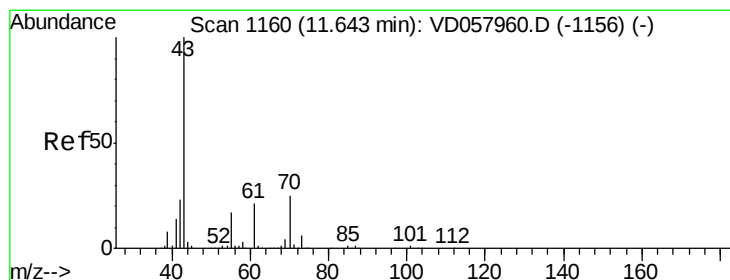
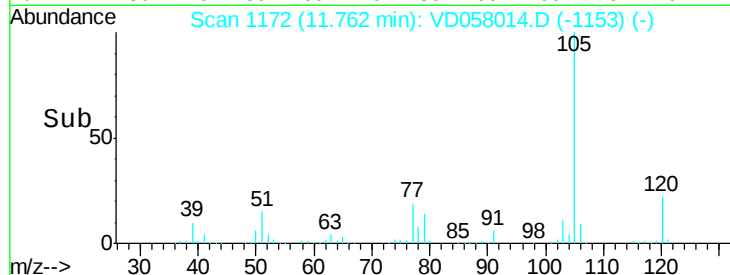
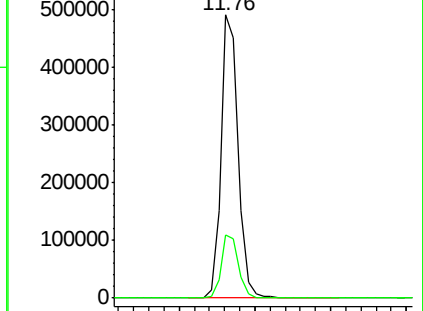
105 100

120 22.2 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.53 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Tgt Ion: 43 Resp: 272002

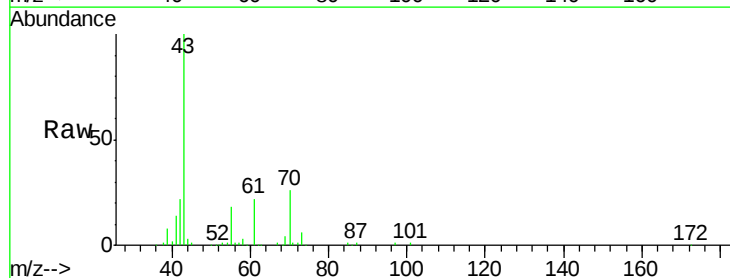
Ion Ratio Lower Upper

43 100

70 25.7 20.3 30.5

55 17.7 13.9 20.9

61 21.5 16.6 24.8

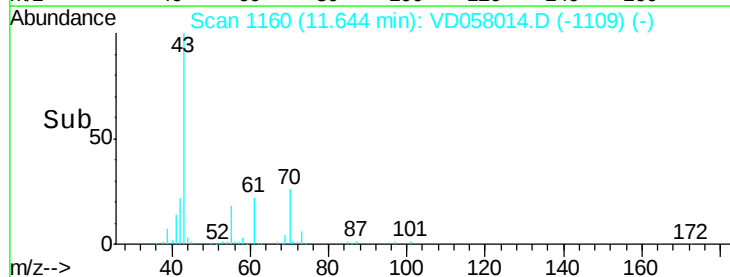
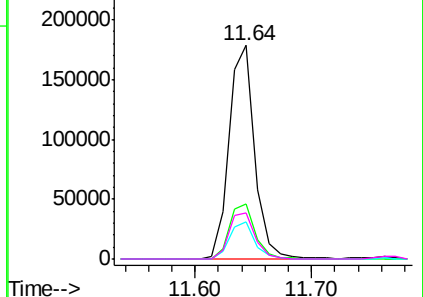


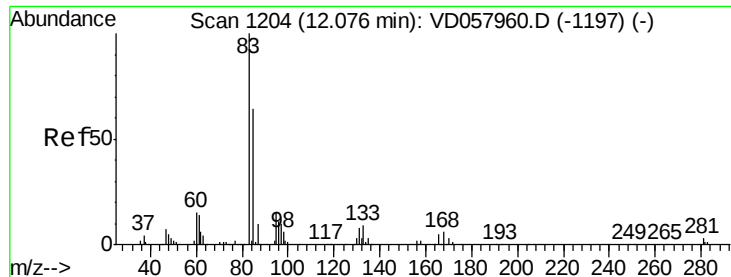
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.83 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

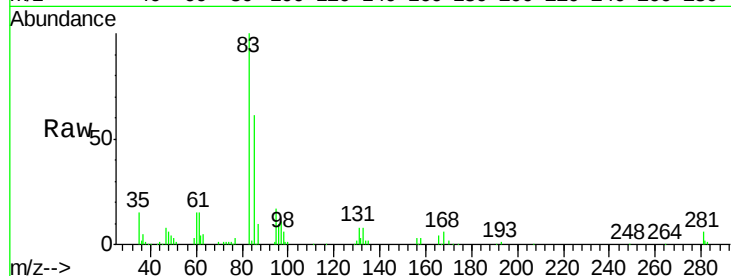
Tot Ion: 83 Resp: 156032

Ion Ratio Lower Upper

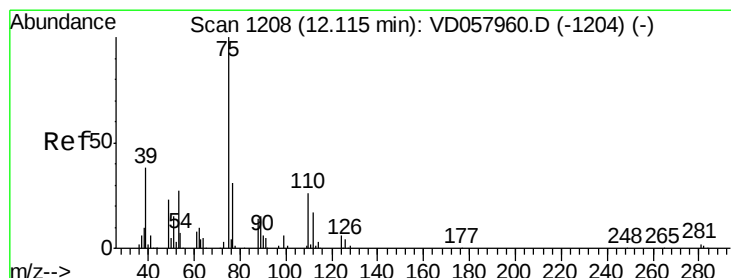
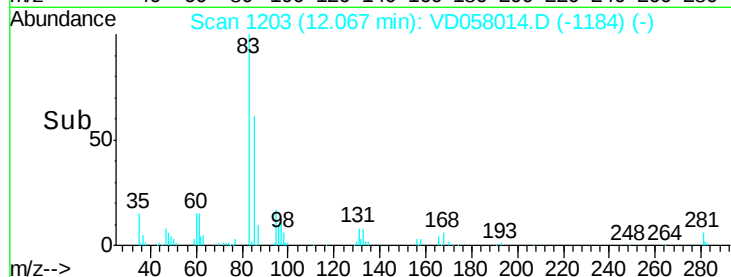
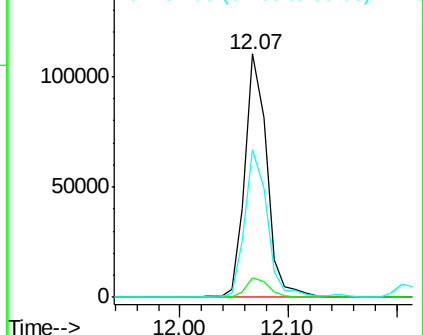
83 100

131 7.9 4.2 12.6

85 60.6 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.98 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058014.D

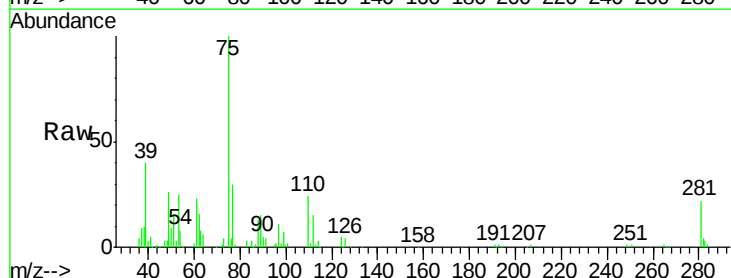
Acq: 8 Jun 2018 13:28

Tgt Ion: 75 Resp: 171704

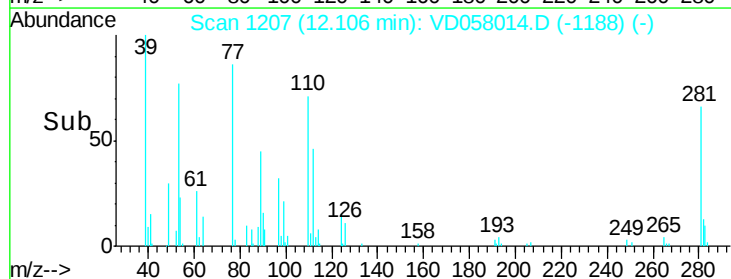
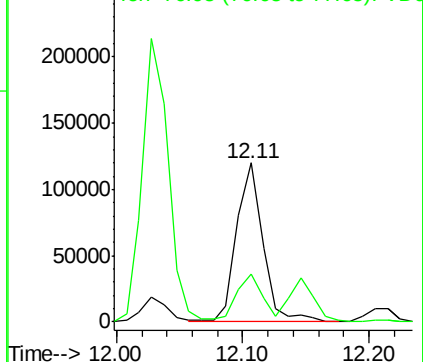
Ion Ratio Lower Upper

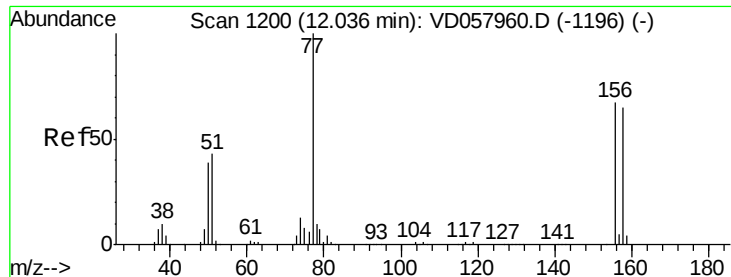
75 100

77 30.4 16.7 50.1



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





#77

Bromobenzene

Concen: 20.45 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

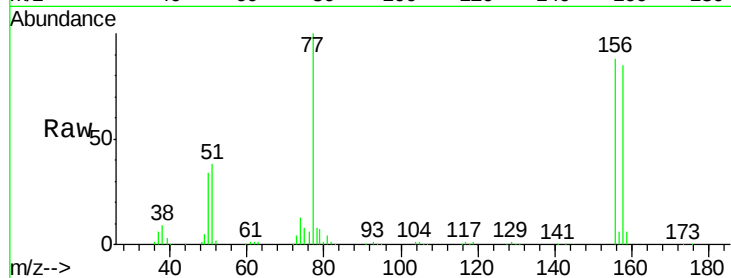
Tot Ion:156 Resp: 218489

Ion Ratio Lower Upper

156 100

77 113.7 75.0 224.8

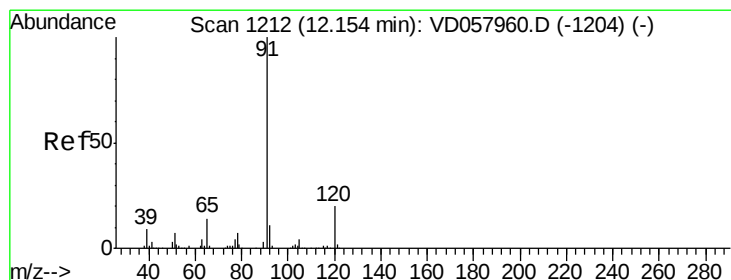
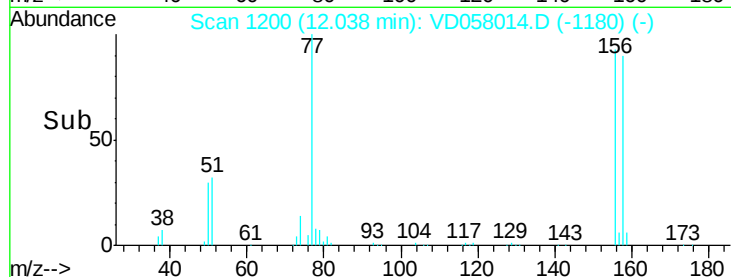
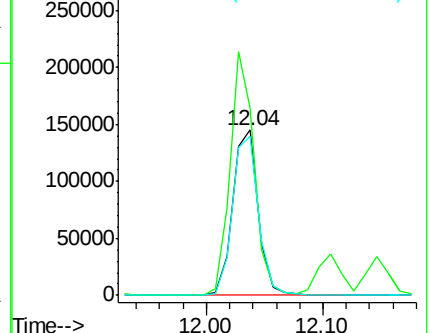
158 96.2 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.61 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058014.D

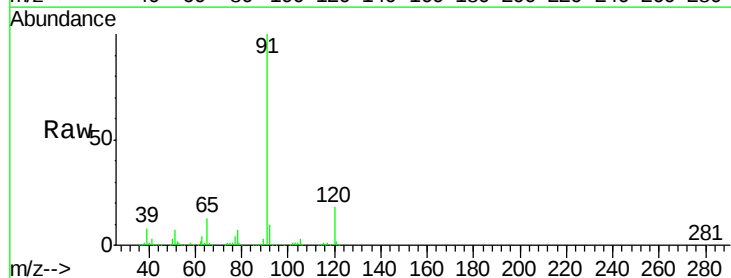
Acq: 8 Jun 2018 13:28

Tgt Ion: 91 Resp: 1014718

Ion Ratio Lower Upper

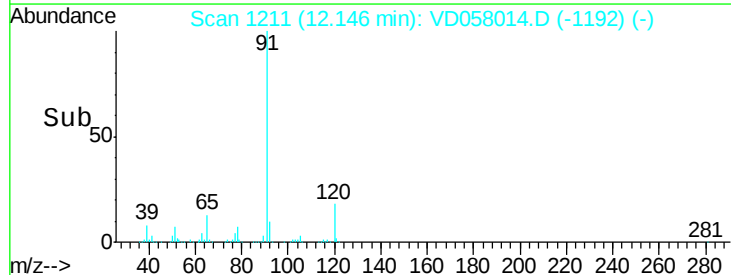
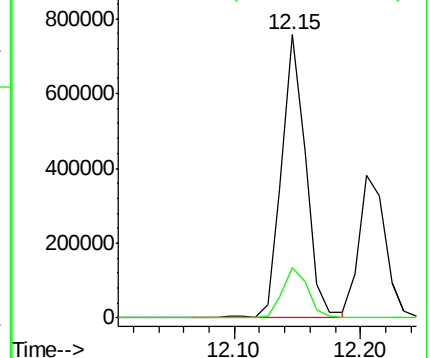
91 100

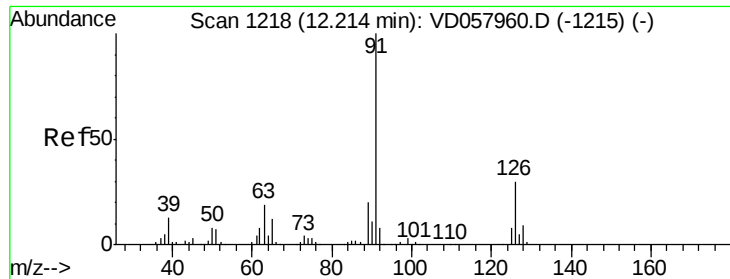
120 17.8 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

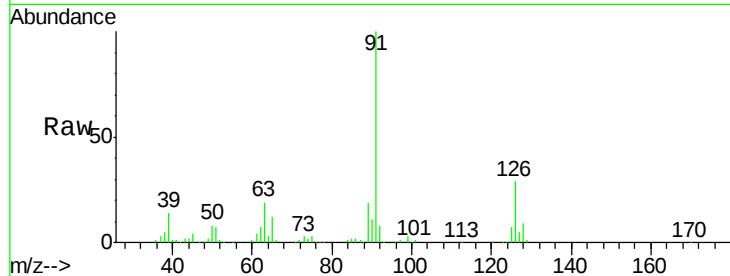




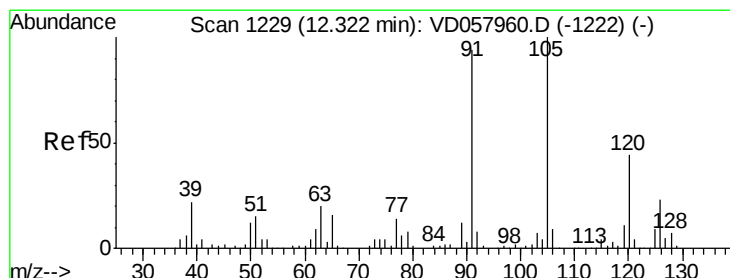
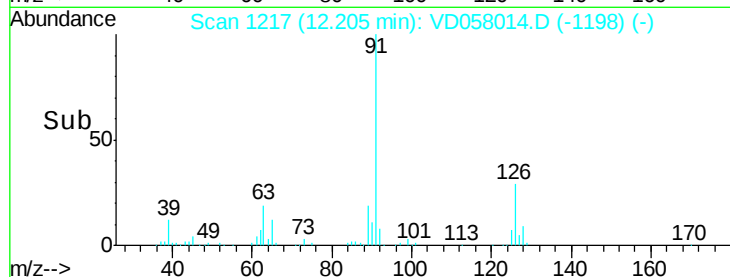
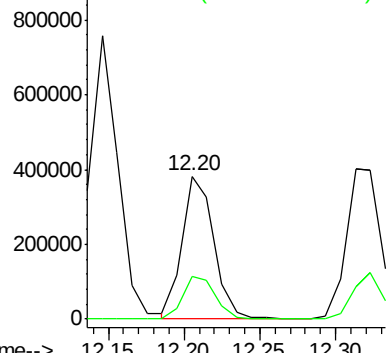
#79
 2-Chlorotoluene
 Concen: 20.91 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

Tot Ion: 91 Resp: 560155
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.6 44.0

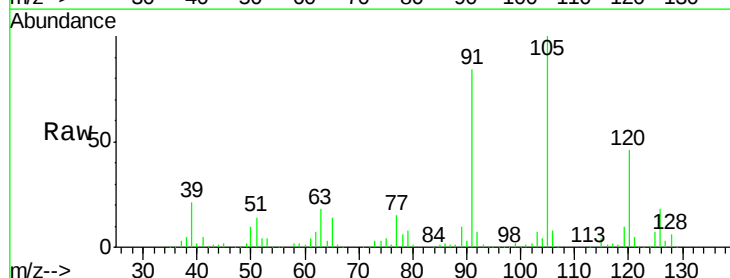


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

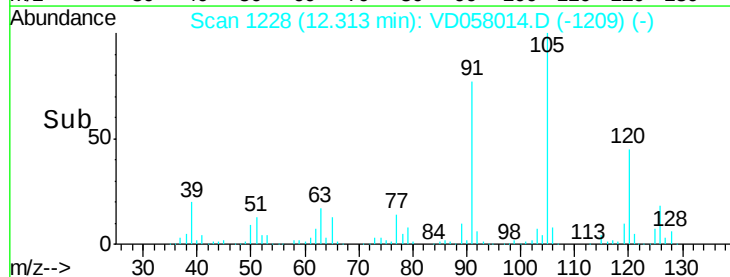
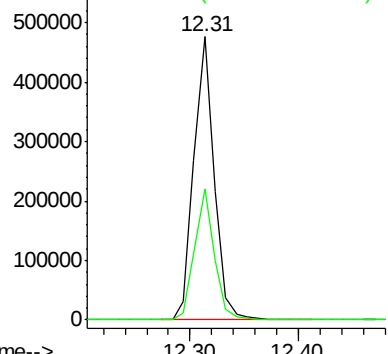


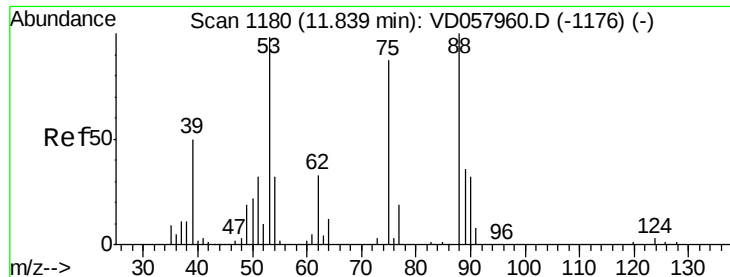
#80
 1,3,5-Trimethylbenzene
 Concen: 22.07 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion: 105 Resp: 621161
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.27 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

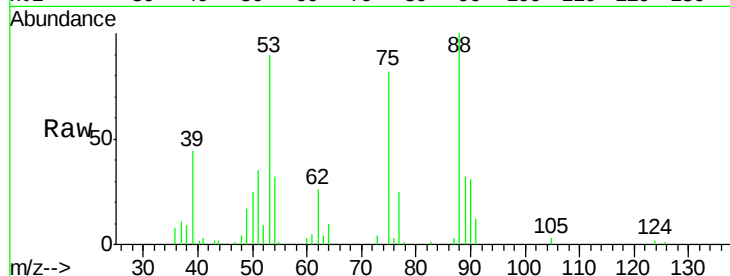
MSVOA_D

ClientSampleId :

VD0608SBSD01

Tot Ion: 75 Resp: 43114

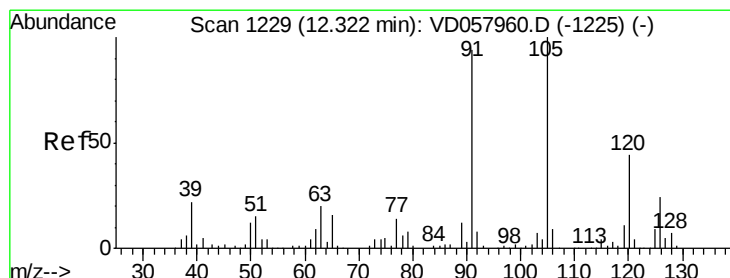
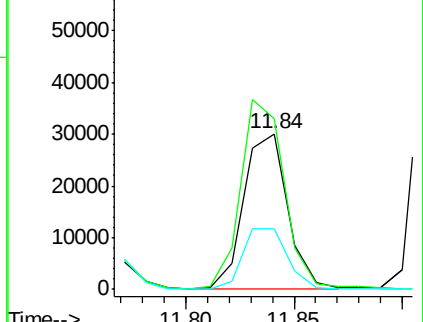
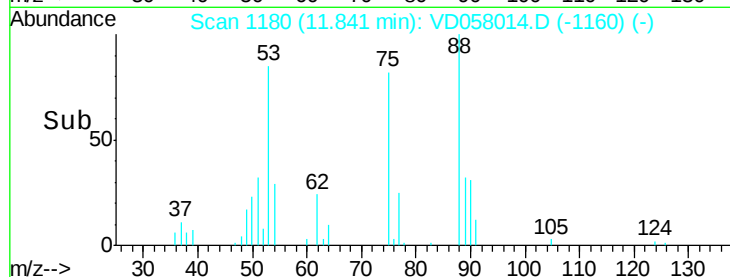
Ion	Ratio	Lower	Upper
75	100		
53	109.9	89.3	133.9
89	38.8	33.3	49.9



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: 22.92 ug/l

RT: 12.31 min Scan# 1228

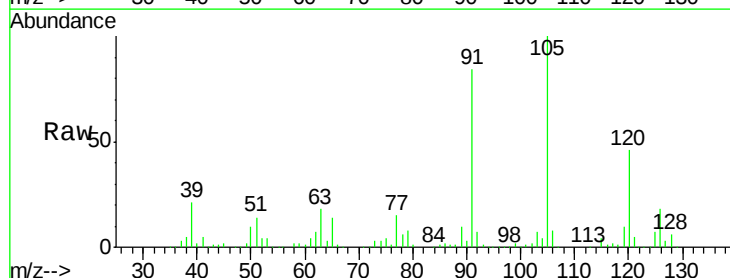
Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

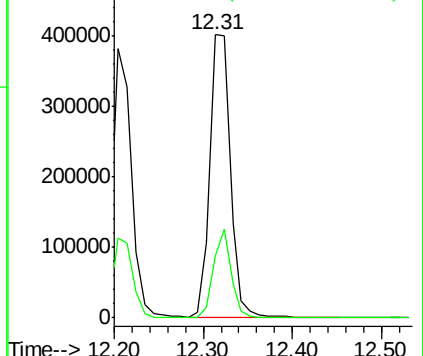
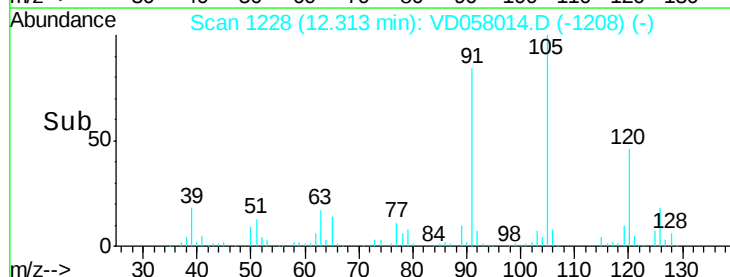
Tgt Ion: 91 Resp: 642034

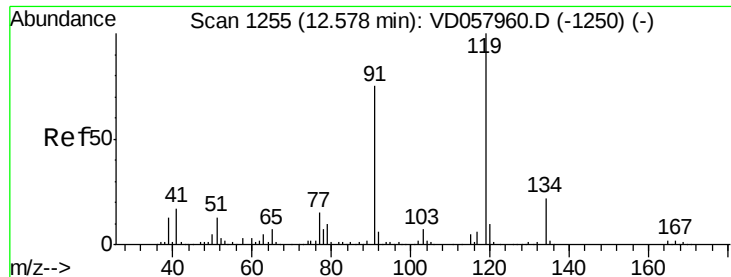
Ion	Ratio	Lower	Upper
91	100		
126	21.7	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

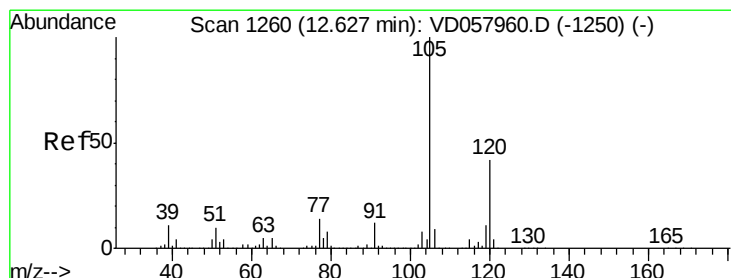
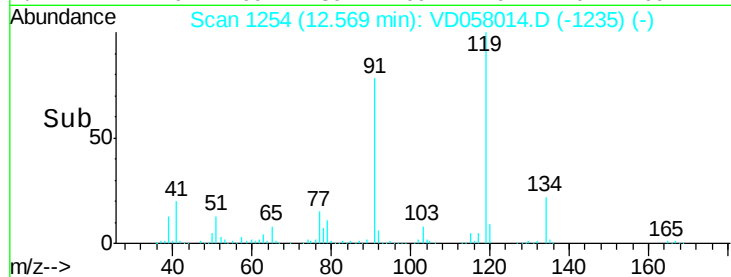
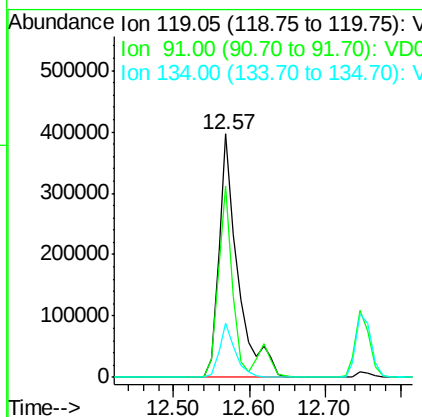
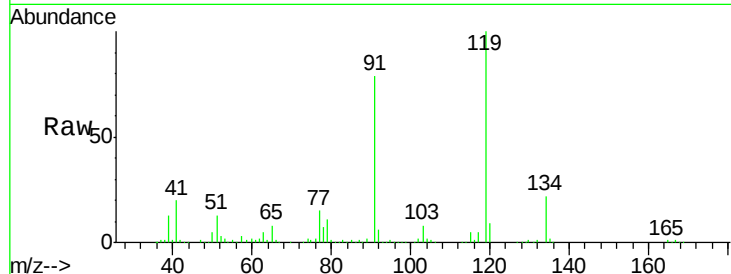




#83
 tert-Butylbenzene
 Concen: 21.88 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

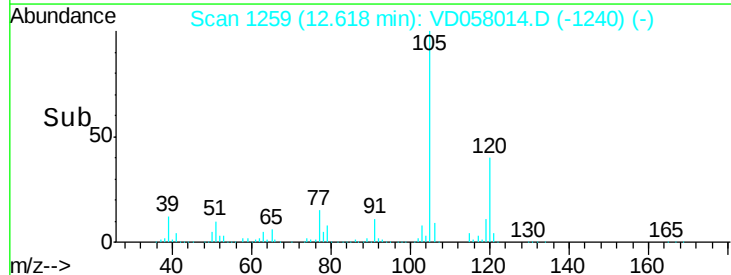
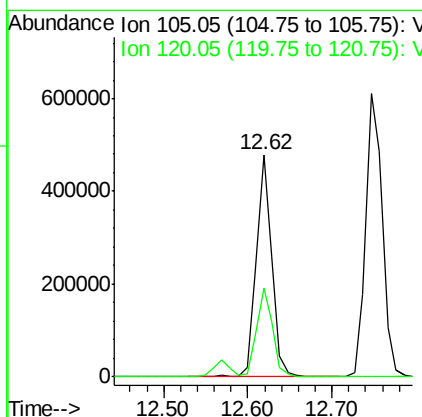
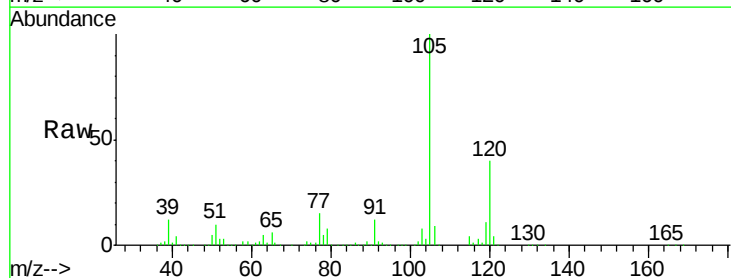
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

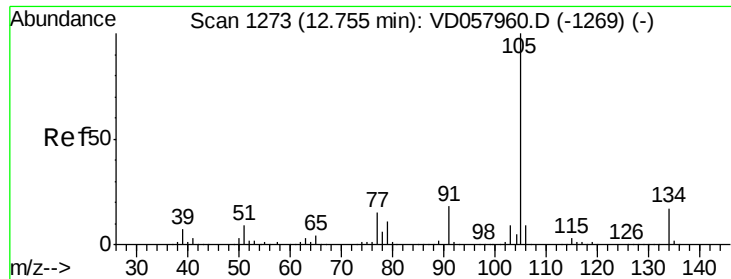
Tot Ion:119 Resp: 695449
 Ion Ratio Lower Upper
 119 100
 91 78.7 37.6 112.9
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.59 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion:105 Resp: 623156
 Ion Ratio Lower Upper
 105 100
 120 40.1 21.2 63.6





#85

sec-Butylbenzene

Concen: 21.70 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

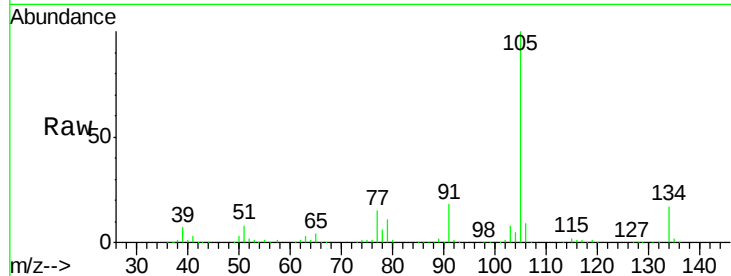
VD0608SBS01

Tot Ion:105 Resp: 832169

Ion Ratio Lower Upper

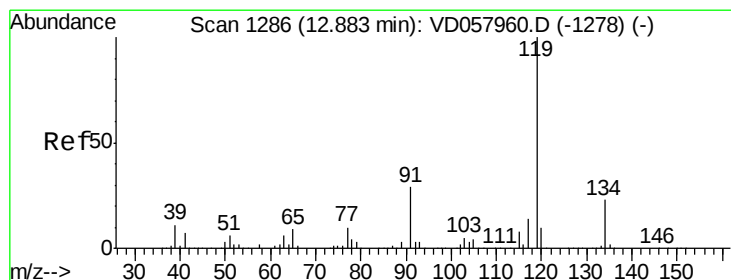
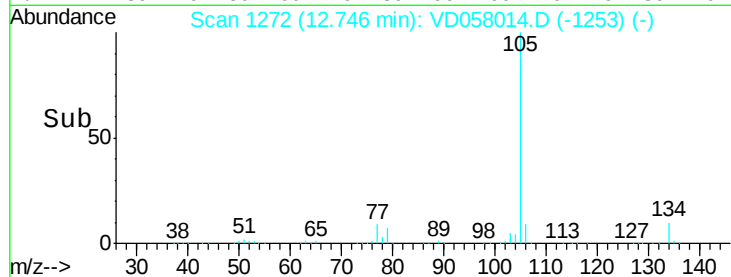
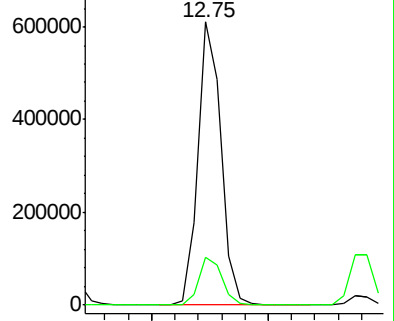
105 100

134 16.8 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.77 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

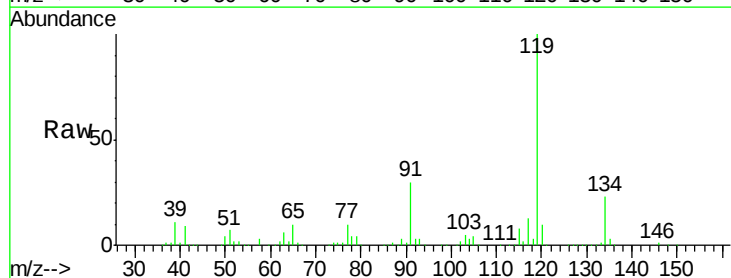
Tgt Ion:119 Resp: 672904

Ion Ratio Lower Upper

119 100

134 22.7 11.5 34.4

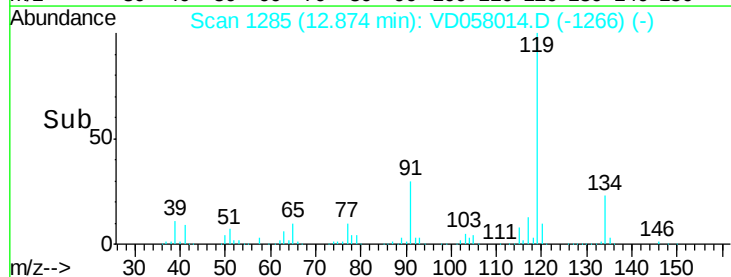
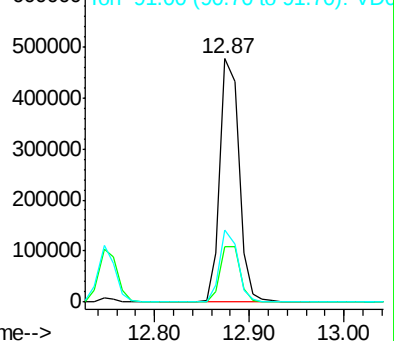
91 29.8 14.5 43.6

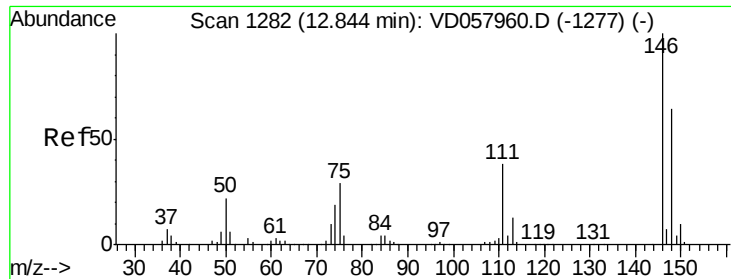


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

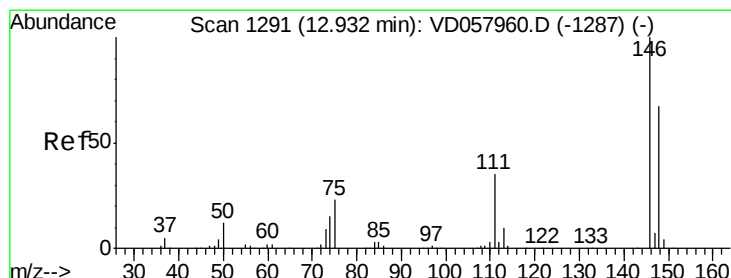
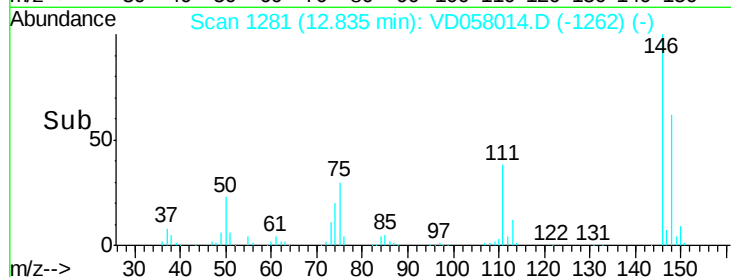
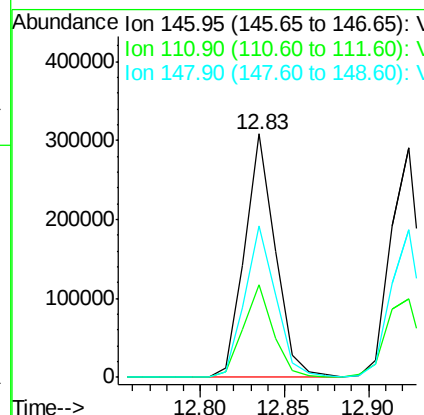
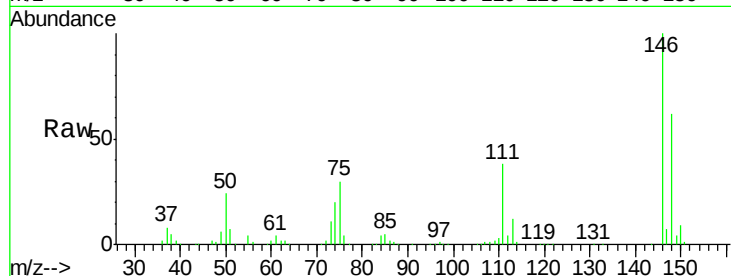




#87
 1,3-Dichlorobenzene
 Concen: 21.63 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

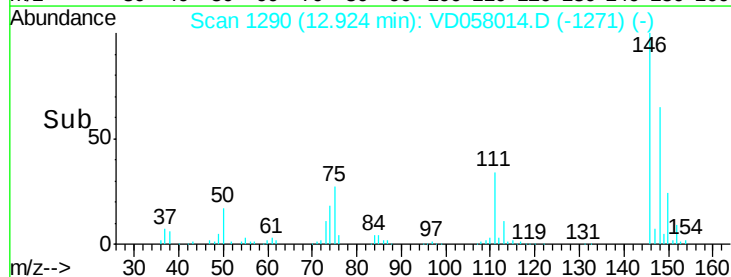
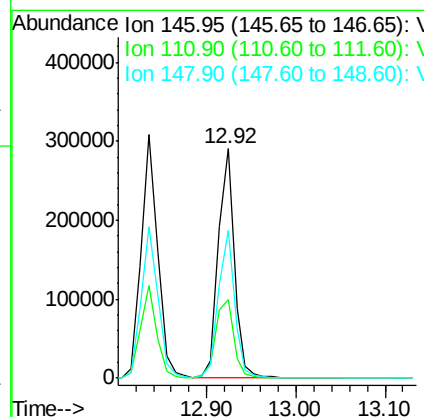
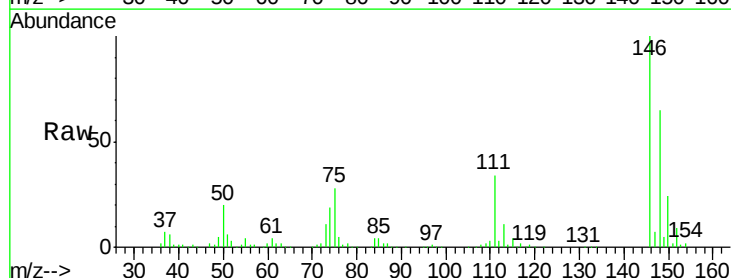
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBSD01

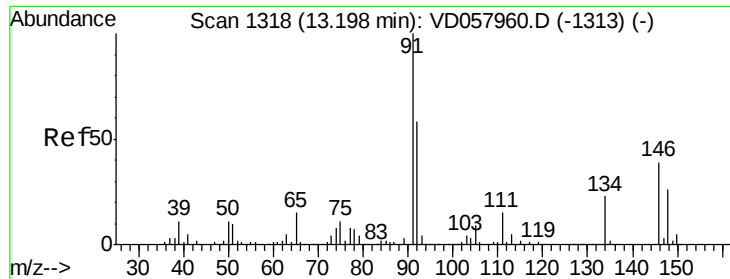
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	62.4	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.90 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.3	52.0
148	64.6	33.4	100.2

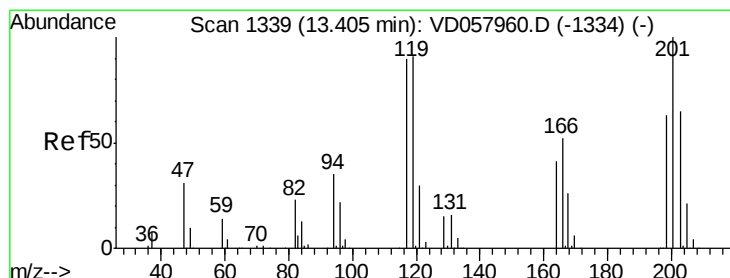
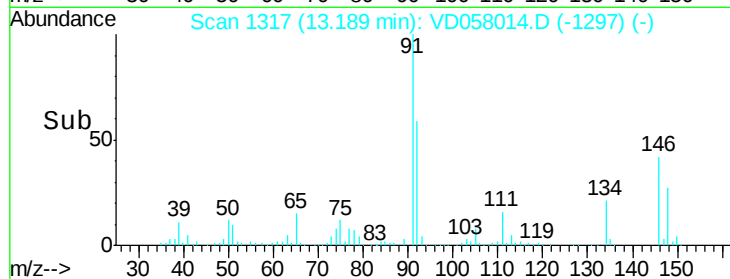
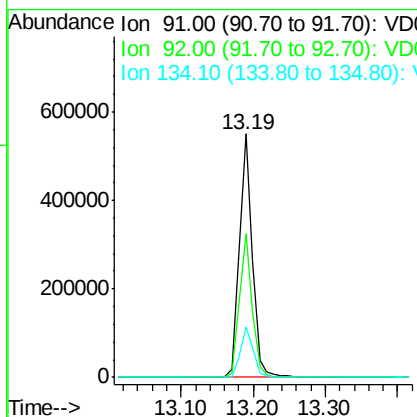
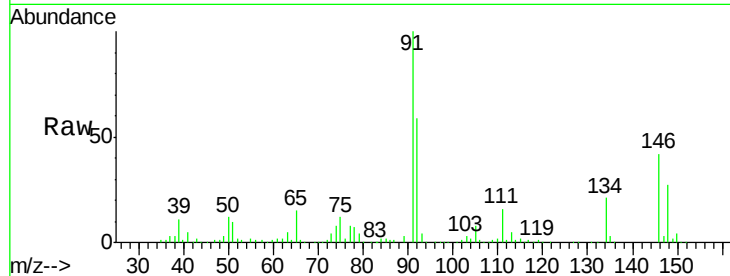




#89
n-Butylbenzene
Concen: 22.20 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

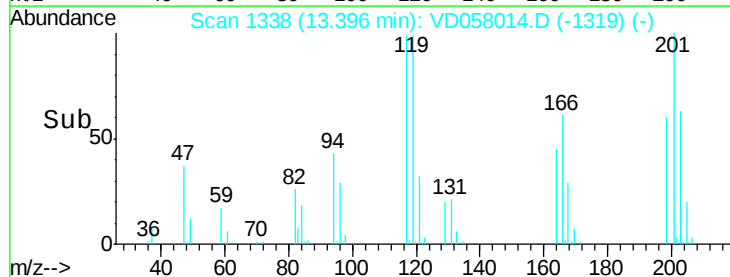
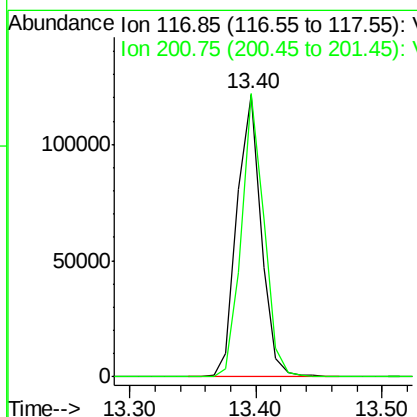
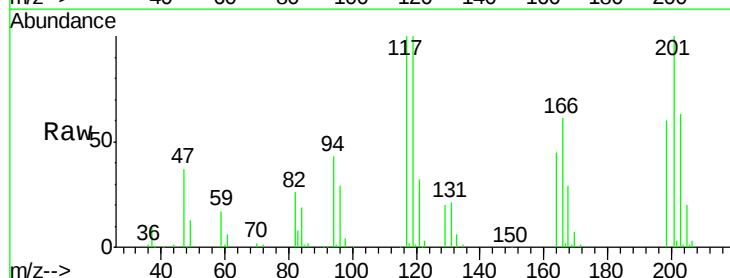
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

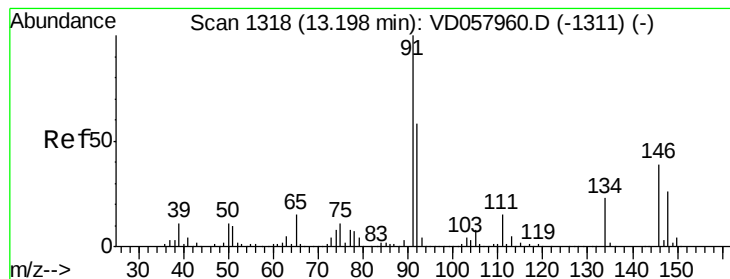
Tot Ion: 91 Resp: 686275
Ion Ratio Lower Upper
91 100
92 59.2 29.2 87.6
134 20.6 11.3 33.9



#90
Hexachloroethane
Concen: 20.31 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion: 117 Resp: 160220
Ion Ratio Lower Upper
117 100
201 100.3 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 21.33 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBSD01

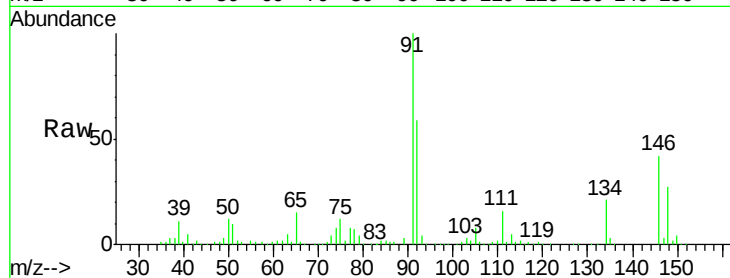
Tot Ion:146 Resp: 311474

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

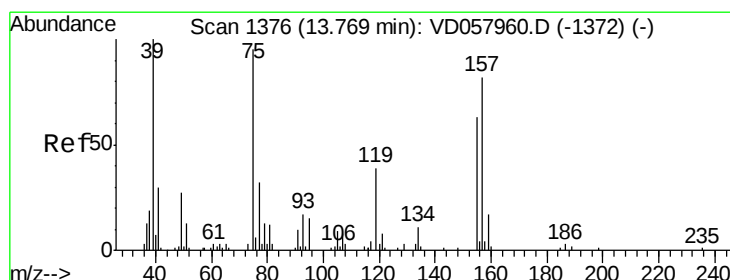
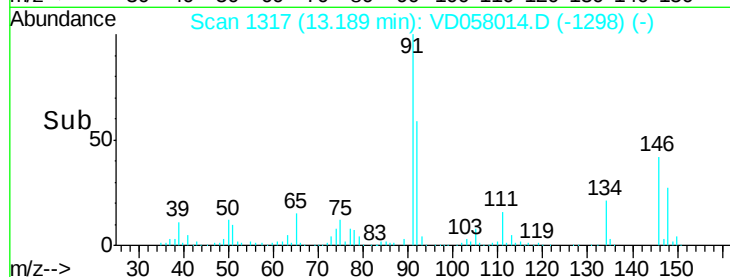
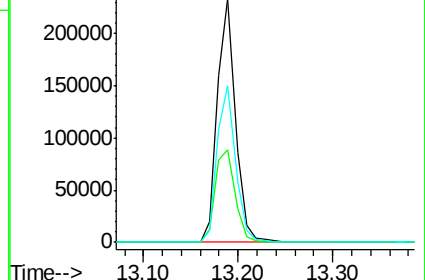
148 64.4 32.6 98.0



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: 19.17 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058014.D

Acq: 8 Jun 2018 13:28

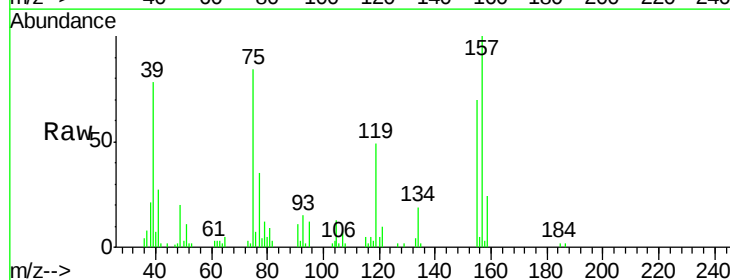
Tgt Ion: 75 Resp: 23277

Ion Ratio Lower Upper

75 100

155 82.9 33.4 100.1

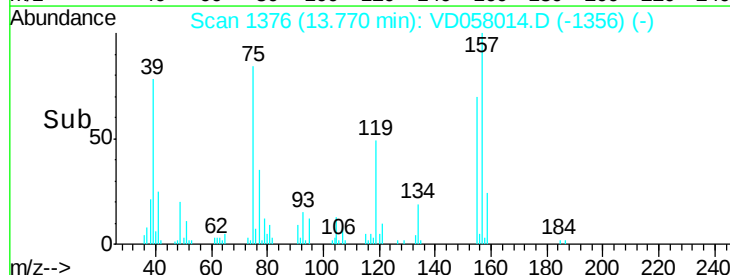
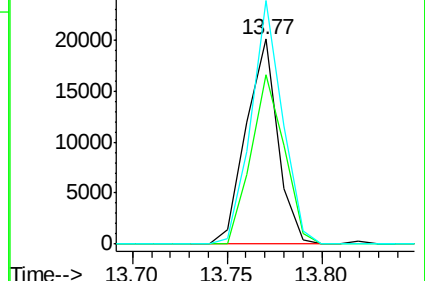
157 118.9 42.9 128.5

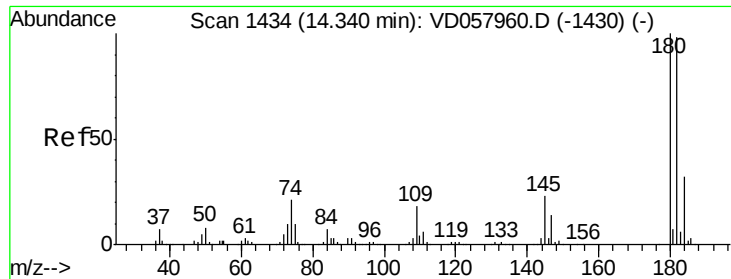


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

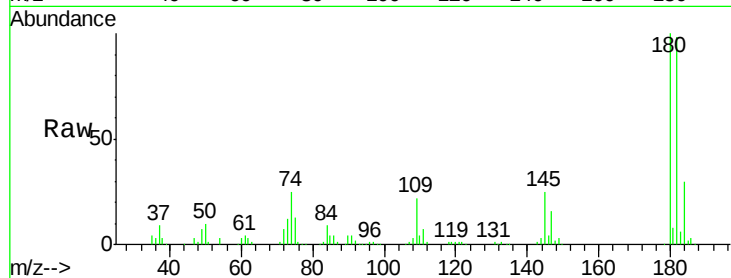




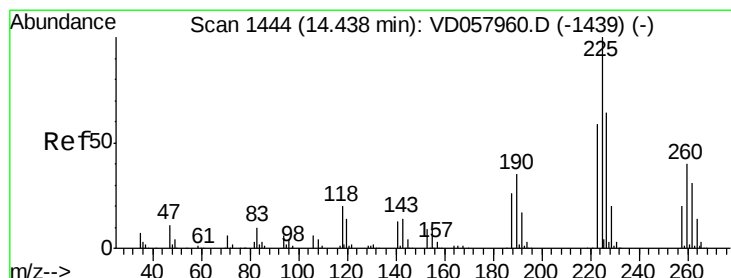
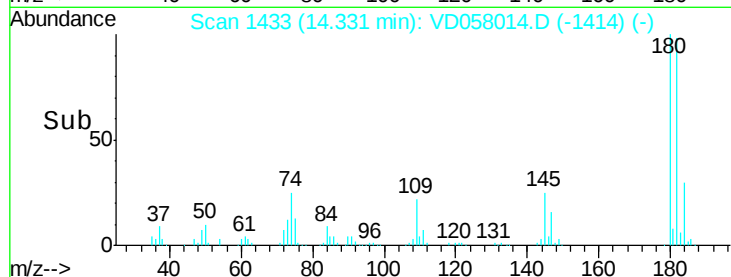
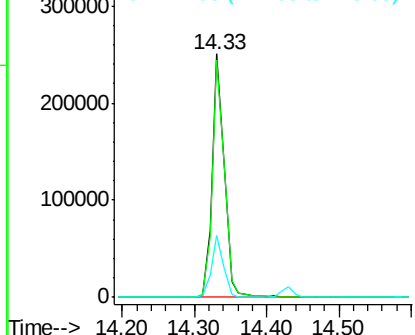
#93
 1,2,4-Trichlorobenzene
 Concen: 21.29 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion:180 Resp: 290404
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.0 147.2
 145 25.2 11.8 35.3

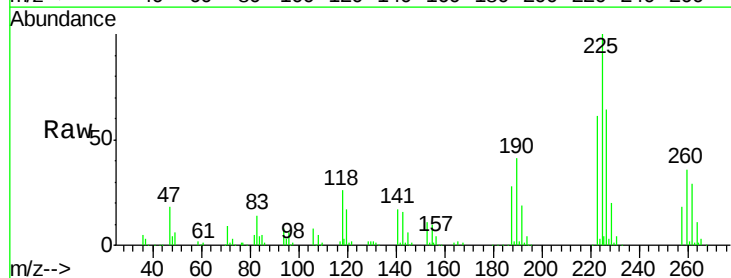


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

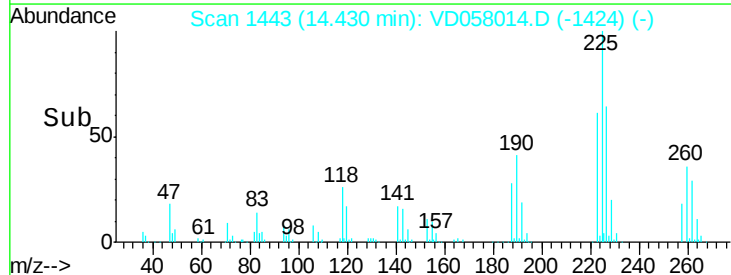
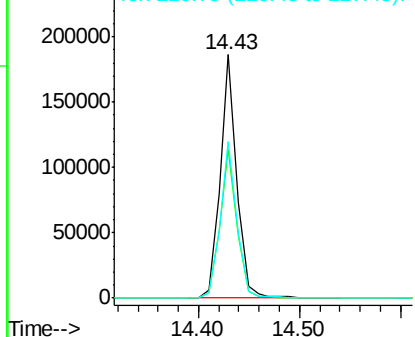


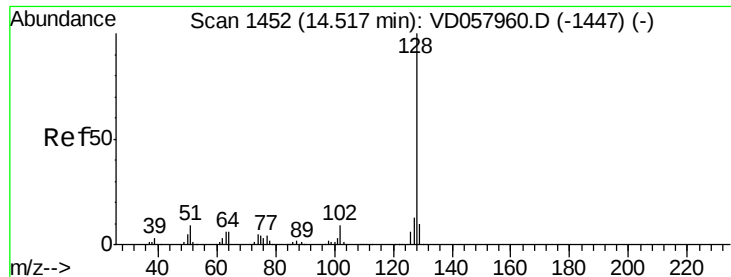
#94
 Hexachlorobutadiene
 Concen: 20.00 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058014.D
 Acq: 8 Jun 2018 13:28

Tgt Ion:225 Resp: 214646
 Ion Ratio Lower Upper
 225 100
 223 61.0 29.5 88.6
 227 64.4 32.0 96.0



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

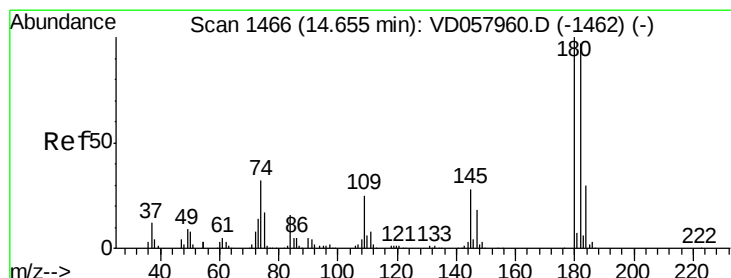
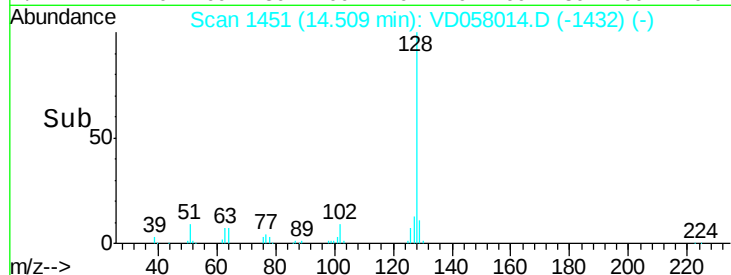
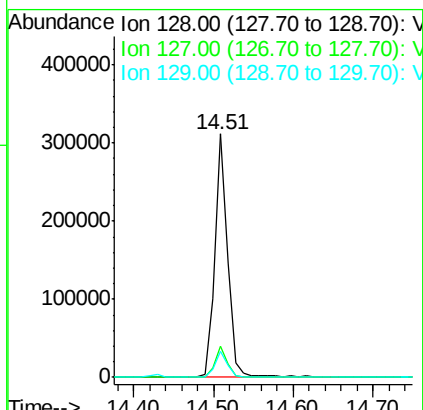
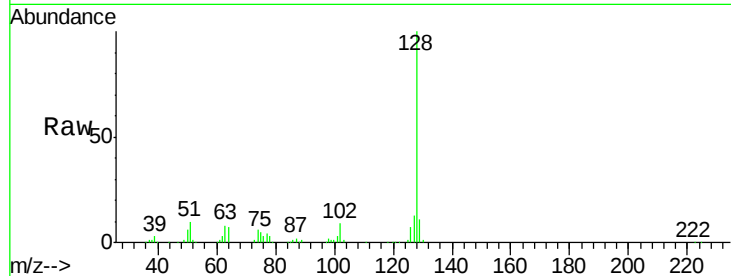




#95
Naphthalene
Concen: 20.30 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBSD01

Tot Ion:128 Resp: 357145
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 19.67 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD058014.D
Acq: 8 Jun 2018 13:28

Tgt Ion:180 Resp: 228665
Ion Ratio Lower Upper
180 100
182 95.0 48.5 145.5
145 24.4 14.2 42.8

