

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058016.D
 Acq On : 8 Jun 2018 14:24
 Operator : VA/AP
 Sample : J3320-02MS
 Misc : 6.75u/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Quant Time: Jun 08 23:55:26 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	840272	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	1110986	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	794050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	286028	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	402114	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	
35) Dibromofluoromethane	5.54	113	417159	48.53	ug/l	-0.02
Spiked Amount						
			Recovery	=	97.06%	
50) Toluene-d8	8.70	98	979330	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.93	95	314301	35.26	ug/l	0.00
Spiked Amount						
			Recovery	=	70.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	554340	49.15	ug/l	96
3) Chloromethane	1.48	50	293212	52.79	ug/l	96
4) Vinyl Chloride	1.56	62	301410	56.06	ug/l	100
5) Bromomethane	1.80	94	122907	58.33	ug/l	97
6) Chloroethane	1.89	64	127121	59.93	ug/l	92
7) Trichlorofluoromethane	2.09	101	412640	56.15	ug/l	99
8) Diethyl Ether	2.35	74	83204	60.94	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	235448	53.71	ug/l	98
10) Methyl Iodide	2.69	142	331938	58.69	ug/l	94
11) Tert butyl alcohol	3.26	59	62712	278.67	ug/l	98
12) 1,1-Dichloroethene	2.55	96	182618	54.19	ug/l	88
13) Acrolein	2.48	56	60100	186.48	ug/l	96
14) Allyl chloride	2.92	41	405204	52.12	ug/l	95
15) Acrylonitrile	3.36	53	312024	237.01	ug/l	97
16) Acetone	2.62	43	433519	358.19	ug/l	97
17) Carbon Disulfide	2.75	76	683087	55.95	ug/l	100
18) Methyl Acetate	2.93	43	188018	80.30	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	790639	53.32	ug/l	99
20) Methylene Chloride	3.07	84	191618	57.87	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	415772	55.39	ug/l	99
22) Diisopropyl ether	4.06	45	1619260	52.58	ug/l	97
23) Vinyl Acetate	4.01	43	3878491	243.73	ug/l	99
24) 1,1-Dichloroethane	3.97	63	904733	53.45	ug/l	99
25) 2-Butanone	4.83	43	756357	274.98	ug/l	99
26) 2,2-Dichloropropane	4.79	77	712043	51.07	ug/l	91
27) cis-1,2-Dichloroethene	4.80	96	590145	66.29	ug/l	99
28) Bromochloromethane	5.14	49	381956	52.14	ug/l	97
29) Tetrahydrofuran	5.17	42	354653	245.97	ug/l	98
30) Chloroform	5.31	83	895733	52.58	ug/l	97
31) Cyclohexane	5.59	56	674623	46.18	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	759400	53.24	ug/l	96
36) 1,1-Dichloropropene	5.74	75	643140	52.54	ug/l	98
37) Ethyl Acetate	4.92	43	441673	66.13	ug/l	97
38) Carbon Tetrachloride	5.72	117	625553	51.86	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	527889	43.51	ug/l	97
40) Benzene	6.00	78	1541364	53.91	ug/l	97
41) Methacrylonitrile	5.12	41	168177	55.07	ug/l	98
42) 1,2-Dichloroethane	6.12	62	604781	52.31	ug/l	99
43) Isopropyl Acetate	7.61	43	462946	52.92	ug/l #	99
44) Trichloroethene	6.98	130	448552	53.71	ug/l	99
45) 1,2-Dichloropropane	7.34	63	415897	52.33	ug/l	98
46) Dibromomethane	7.46	93	260095	50.95	ug/l	94
47) Bromodichloromethane	7.73	83	625857	52.36	ug/l	97
48) Methyl methacrylate	7.50	41	289941	53.85	ug/l	96
49) 1,4-Dioxane	7.48	88	48270	1082.15	ug/l	87
51) 4-Methyl-2-Pentanone	8.59	43	1525650	271.90	ug/l	98
52) Toluene	8.80	92	777610	47.39	ug/l	96
53) t-1,3-Dichloropropene	9.18	75	537806	52.22	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	636485	52.46	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	260128	48.98	ug/l	99
56) Ethyl methacrylate	9.31	69	332998	51.11	ug/l	97
57) 1,3-Dichloropropane	9.65	76	479061	51.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	813948	247.29	ug/l	99
59) 2-Hexanone	9.77	43	1058417	257.39	ug/l	98
60) Dibromochloromethane	9.95	129	372439	49.73	ug/l	99
61) 1,2-Dibromoethane	10.09	107	296748	48.59	ug/l	94
64) Tetrachloroethene	9.51	164	378115	53.26	ug/l	98
65) Chlorobenzene	10.72	112	830405	51.66	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	337760	54.69	ug/l	97
67) Ethyl Benzene	10.85	91	1530752	52.71	ug/l	98
68) m/p-Xylenes	11.01	106	963604	101.78	ug/l	89
69) o-Xylene	11.40	106	479440	51.02	ug/l	100
70) Styrene	11.43	104	703613	45.23	ug/l	97
71) Bromoform	11.59	173	234527	50.48	ug/l	99
73) Isopropylbenzene	11.77	105	1368669	72.24	ug/l	99
74) N-amyl acetate	11.64	43	531724	72.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	291240	70.51	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	316385	73.64	ug/l	98
77) Bromobenzene	12.04	156	348107	62.08	ug/l	85
78) n-propylbenzene	12.14	91	1542334	62.56	ug/l	97
79) 2-Chlorotoluene	12.21	91	874186	62.16	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	909815	61.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	80070	75.24	ug/l	96
82) 4-Chlorotoluene	12.32	91	913842	67.96	ug/l	91
83) tert-Butylbenzene	12.57	119	1065395	63.86	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	1026728	64.63	ug/l	98
85) sec-Butylbenzene	12.74	105	1156870	57.46	ug/l	99
86) p-Isopropyltoluene	12.88	119	863452	53.21	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	474320	50.00	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	452243	48.93	ug/l	98
89) n-Butylbenzene	13.19	91	755510	51.85	ug/l	97
90) Hexachloroethane	13.39	117	233375	56.35	ug/l	81
91) 1,2-Dichlorobenzene	13.19	146	367722	47.97	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	41202	64.63	ug/l	64

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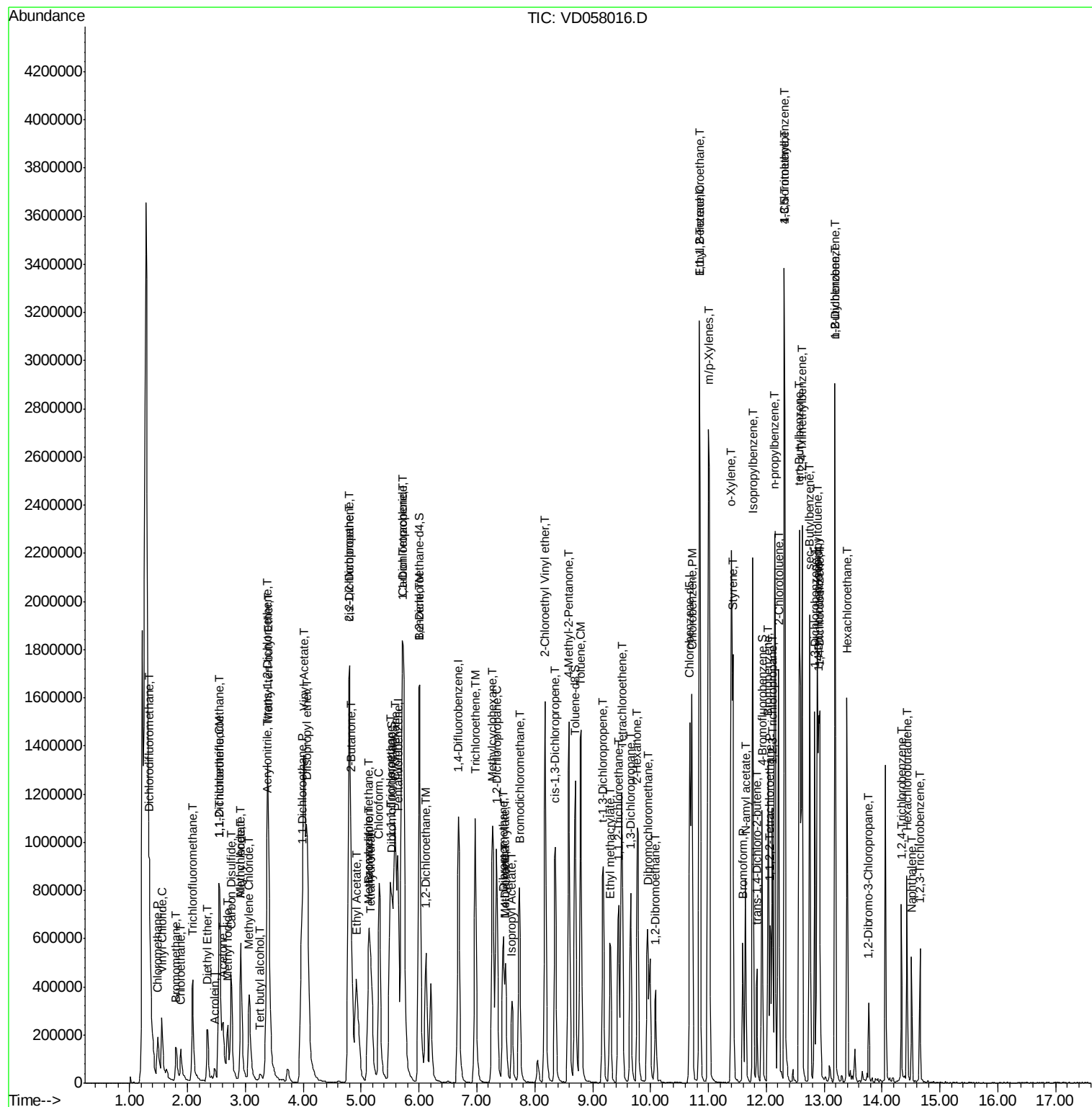
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	179911	25.12	ug/l	96
94) Hexachlorobutadiene	14.43	225	139866	24.83	ug/l	95
95) Naphthalene	14.51	128	273442	29.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	129620	21.24	ug/l	99

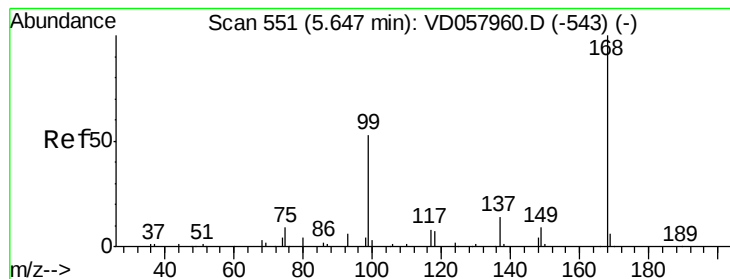
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

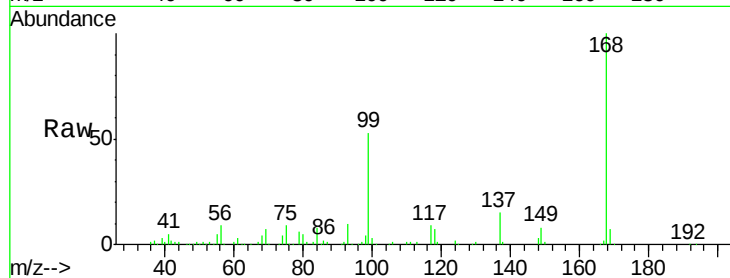
S39-0177MS

Tot Ion:168 Resp: 840272

Ion Ratio Lower Upper

168 100

99 52.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

300000

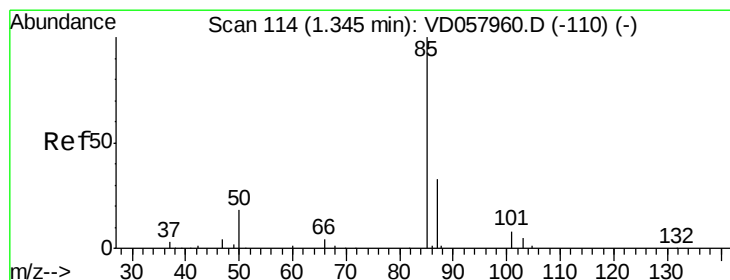
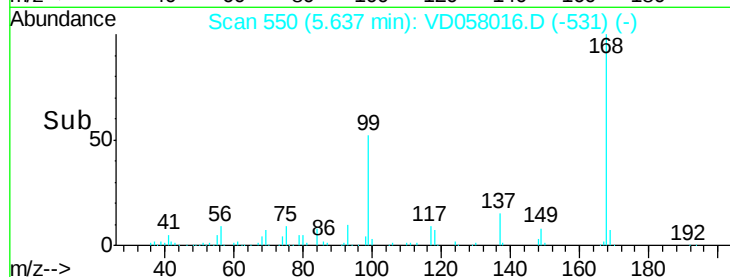
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.15 ug/l

RT: 1.35 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058016.D

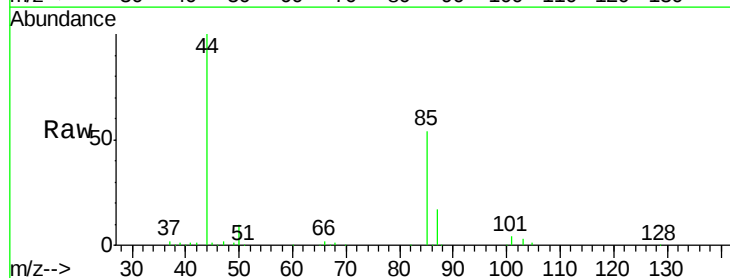
Acq: 8 Jun 2018 14:24

Tgt Ion: 85 Resp: 554340

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

250000

200000

150000

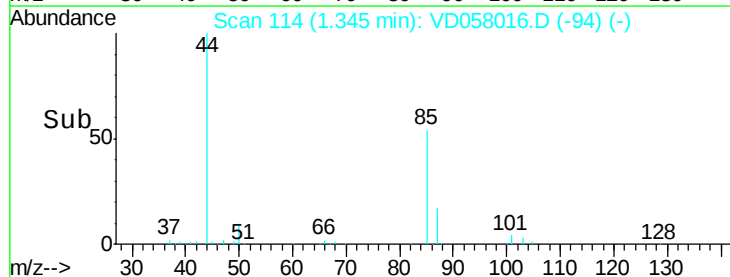
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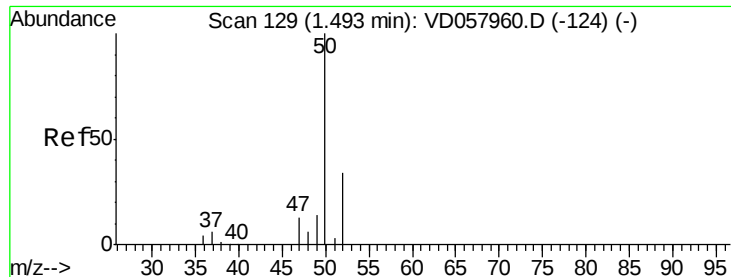
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 52.79 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

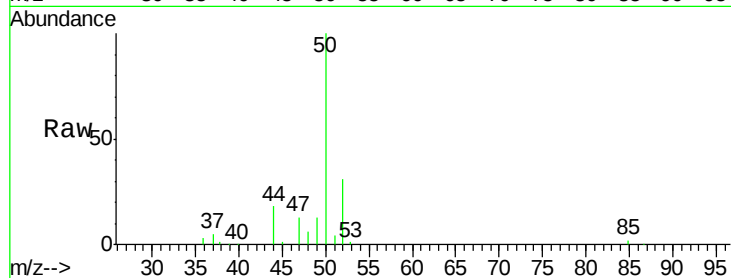
S39-0177MS

Tot Ion: 50 Resp: 293212

Ion Ratio Lower Upper

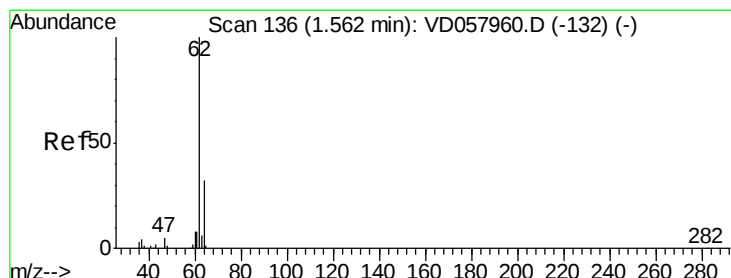
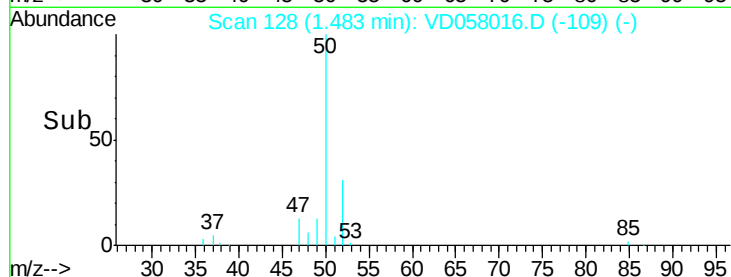
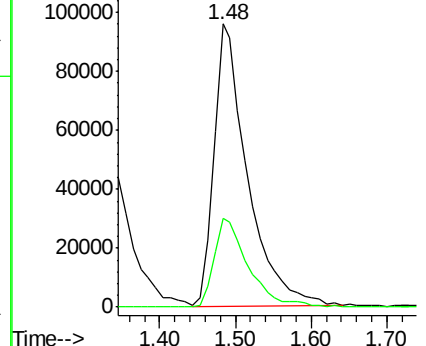
50 100

52 31.5 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: 56.06 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD058016.D

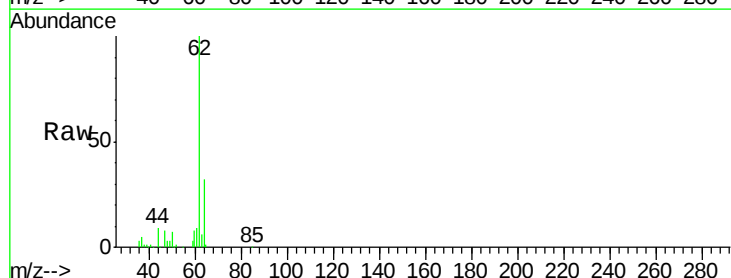
Acq: 8 Jun 2018 14:24

Tgt Ion: 62 Resp: 301410

Ion Ratio Lower Upper

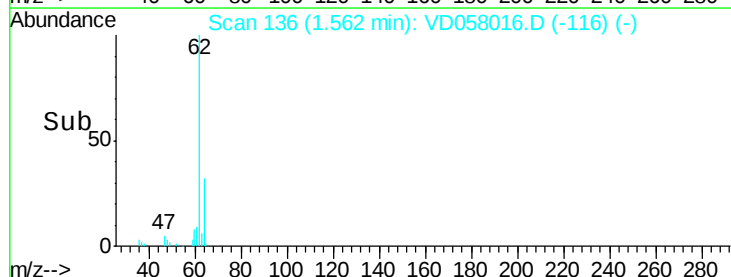
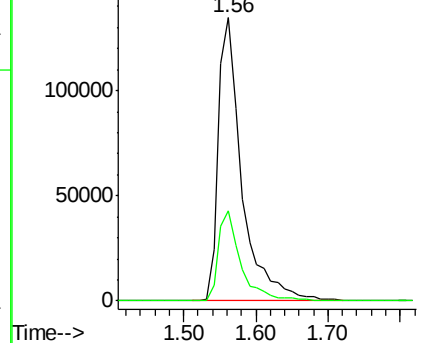
62 100

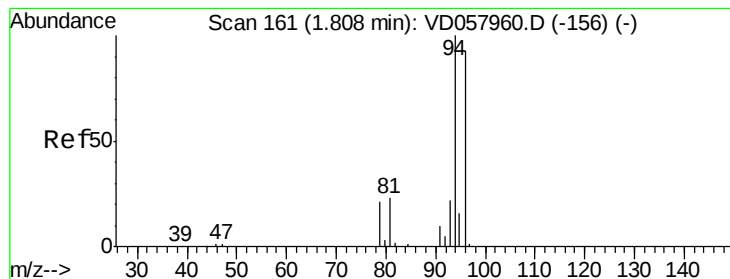
64 31.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.33 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

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ClientSampleId :

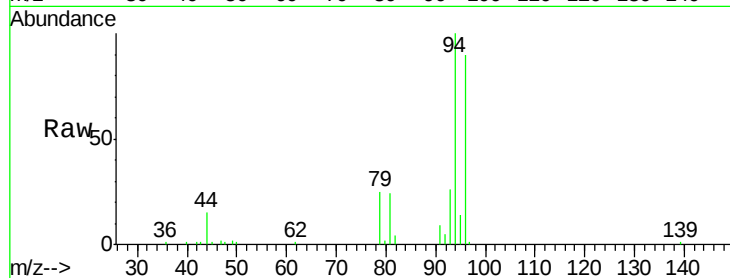
S39-0177MS

Tot Ion: 94 Resp: 122907

Ion Ratio Lower Upper

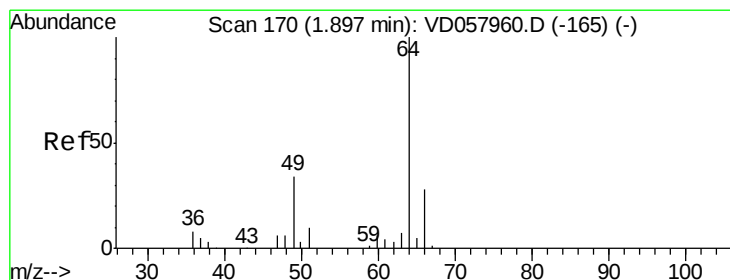
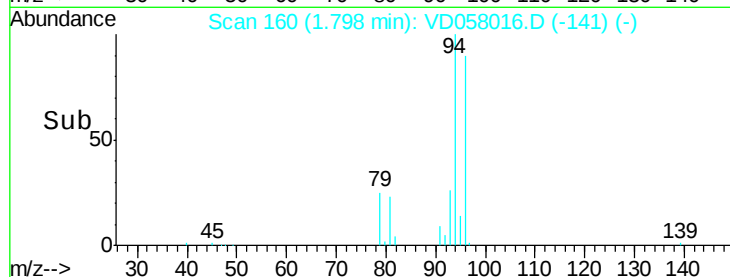
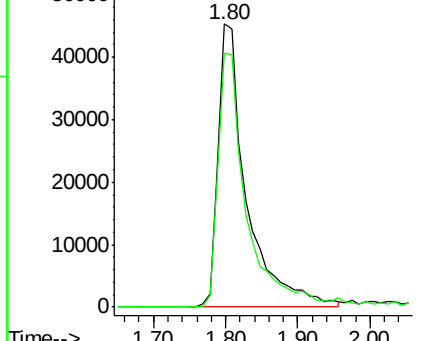
94 100

96 89.7 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: 59.93 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058016.D

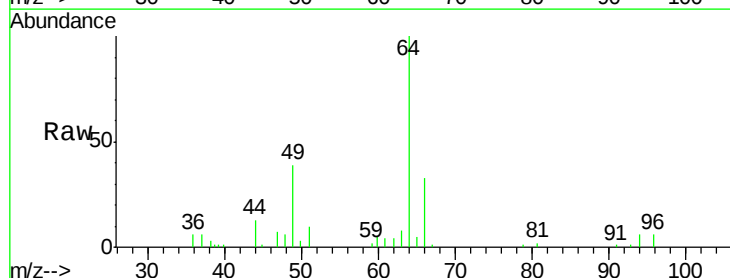
Acq: 8 Jun 2018 14:24

Tgt Ion: 64 Resp: 127121

Ion Ratio Lower Upper

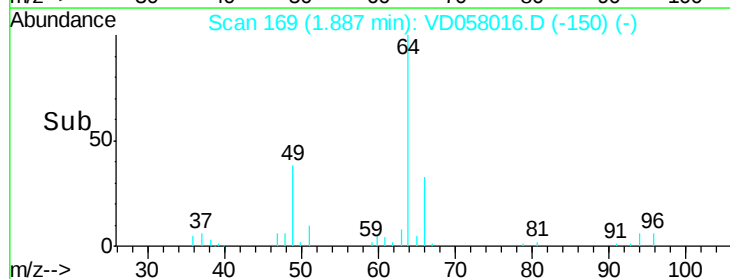
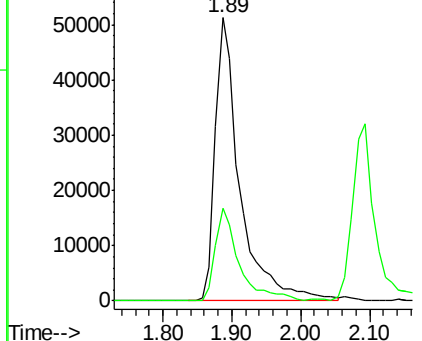
64 100

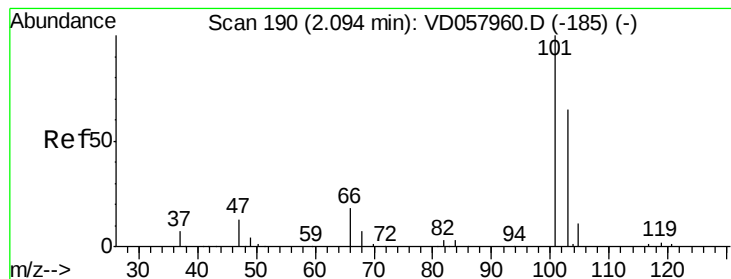
66 32.9 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 56.15 ug/l

RT: 2.09 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

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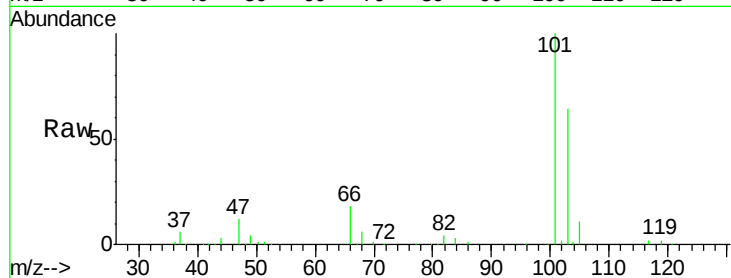
S39-0177MS

Tot Ion:101 Resp: 412640

Ion Ratio Lower Upper

101 100

103 64.4 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

200000

150000

100000

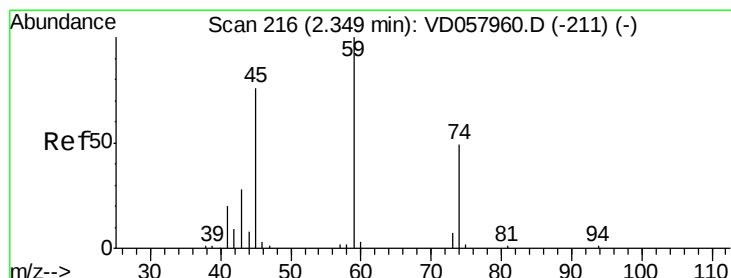
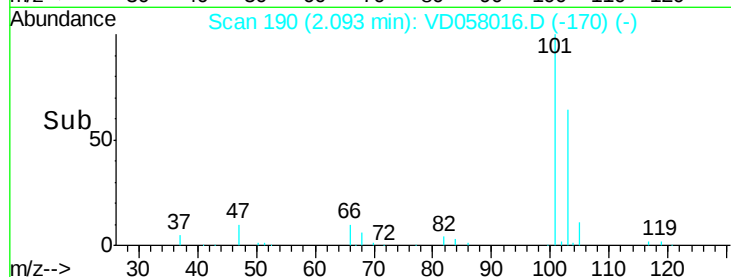
50000

0

Time-->

2.00 2.10 2.20 2.30

2.09



#8

Diethyl Ether

Concen: 60.94 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: VD058016.D

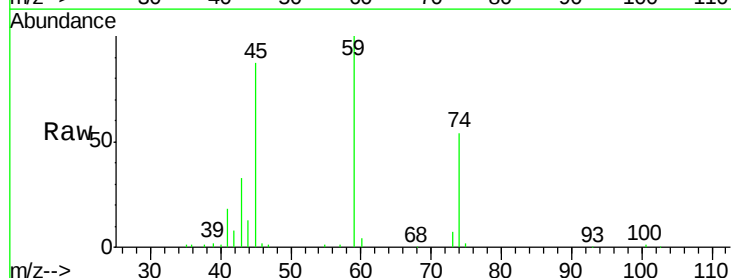
Acq: 8 Jun 2018 14:24

Tgt Ion: 74 Resp: 83204

Ion Ratio Lower Upper

74 100

45 161.3 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

60000

40000

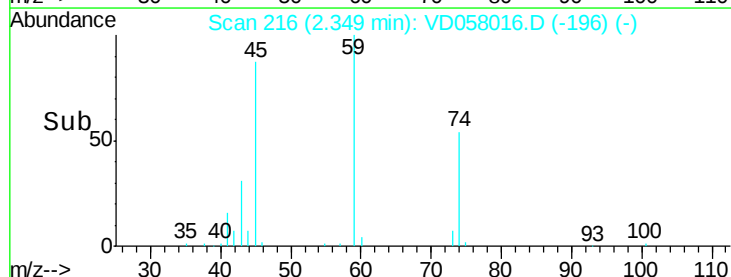
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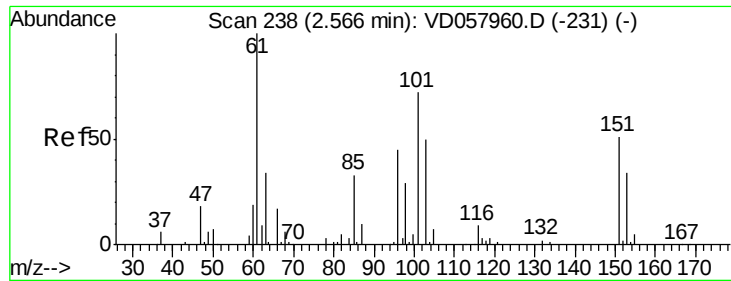
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Time-->

2.20 2.30 2.40 2.50

2.35

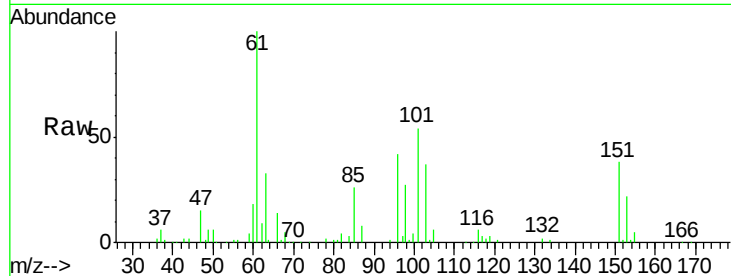




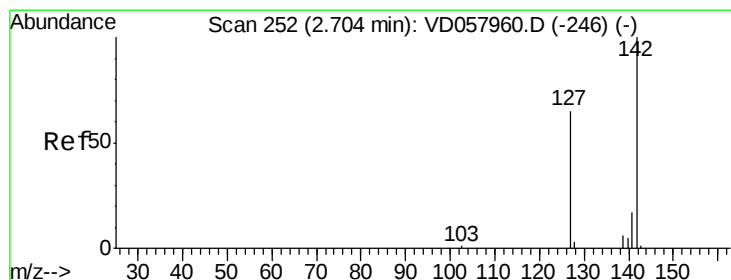
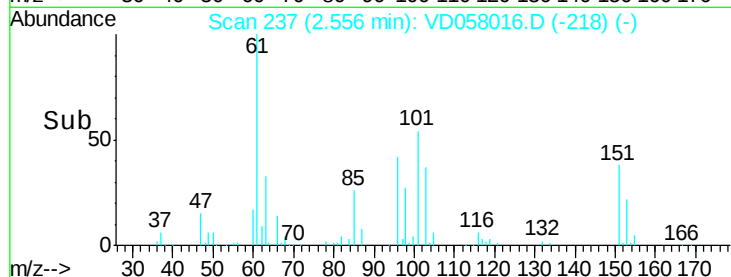
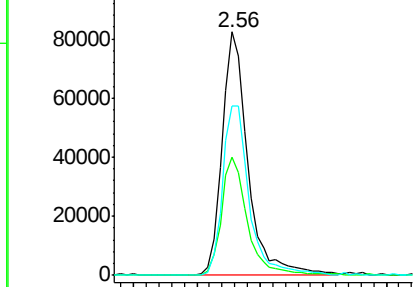
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.71 ug/l
RT: 2.56 min Scan# 237
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampled :
S39-0177MS

Tot Ion:101 Resp: 235448
Ion Ratio Lower Upper
101 100
85 48.4 37.3 55.9
151 69.6 57.0 85.6

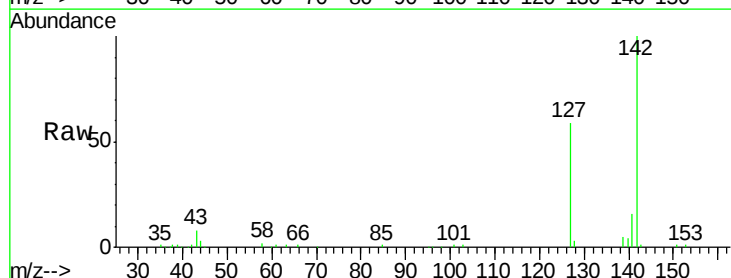


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

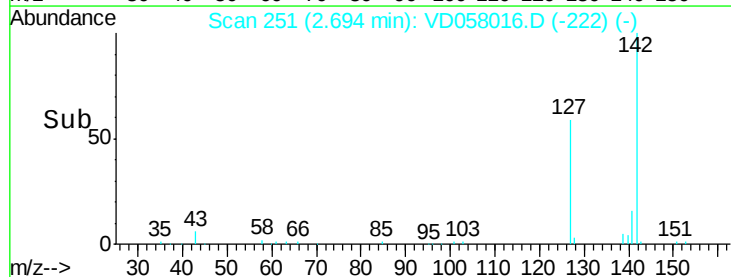
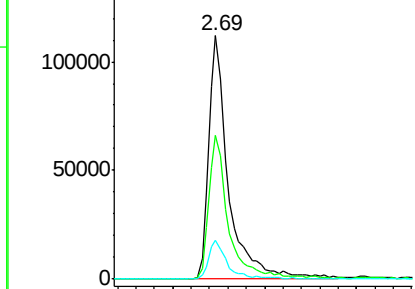


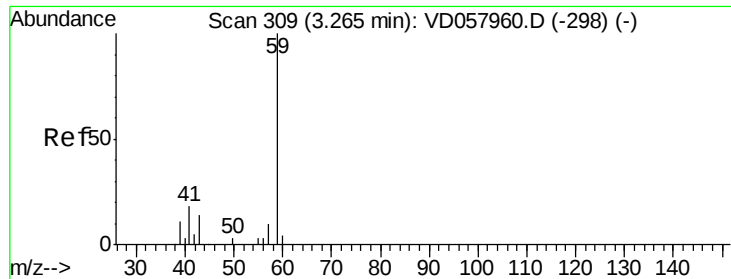
#10
Methyl Iodide
Concen: 58.69 ug/l
RT: 2.69 min Scan# 251
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:142 Resp: 331938
Ion Ratio Lower Upper
142 100
127 58.9 52.0 78.0
141 16.0 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



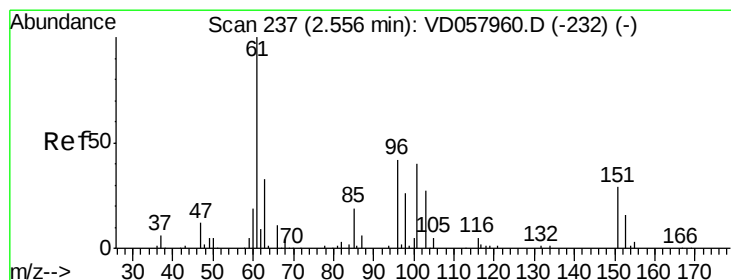
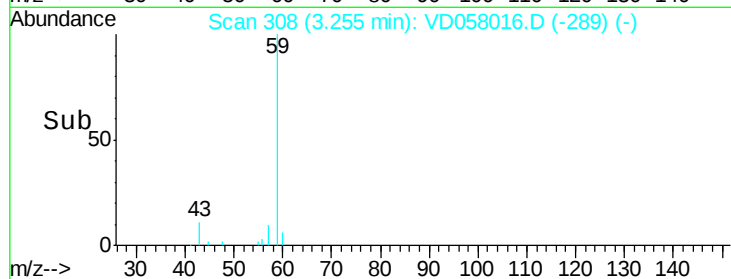
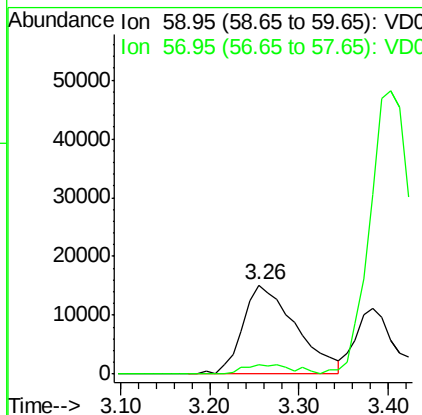
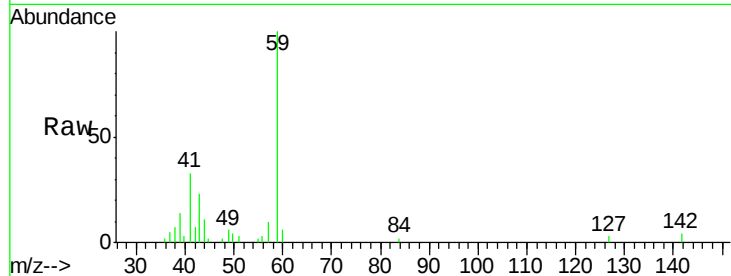


#11

Tert butyl alcohol
 Concen: 278.67 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

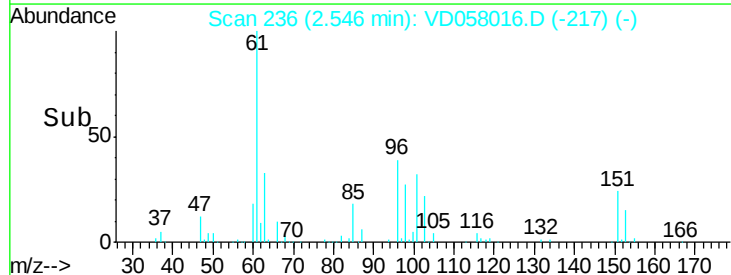
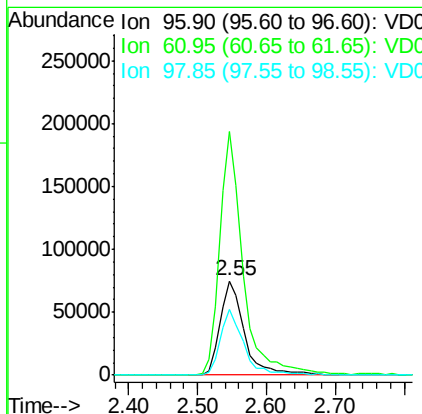
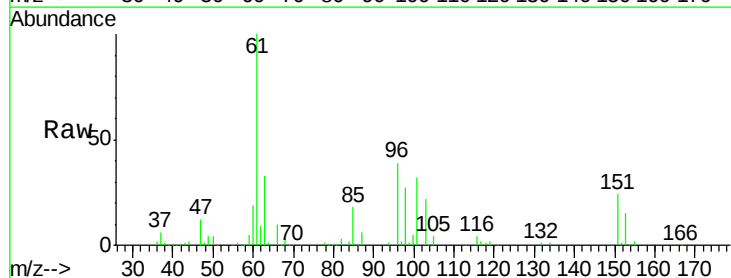
Tot Ion: 59 Resp: 62712
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.8 11.6

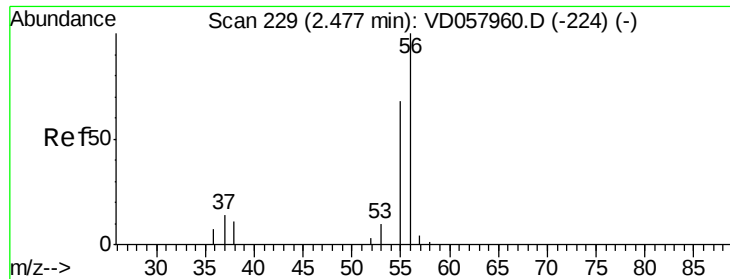


#12

1,1-Dichloroethene
 Concen: 54.19 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 96 Resp: 182618
 Ion Ratio Lower Upper
 96 100
 61 259.1 190.2 285.4
 98 69.6 49.6 74.4





#13

Acrolein

Concen: 186.48 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

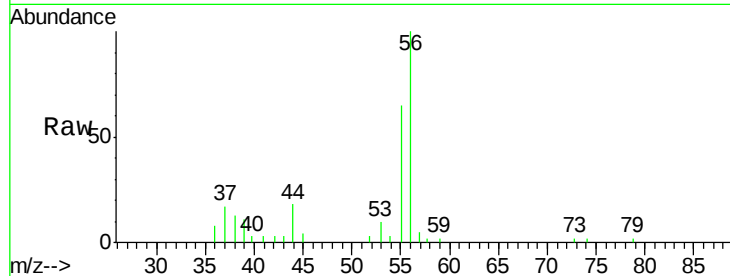
S39-0177MS

Tot Ion: 56 Resp: 60100

Ion Ratio Lower Upper

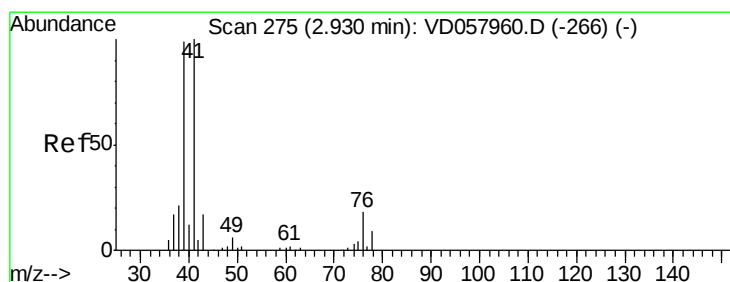
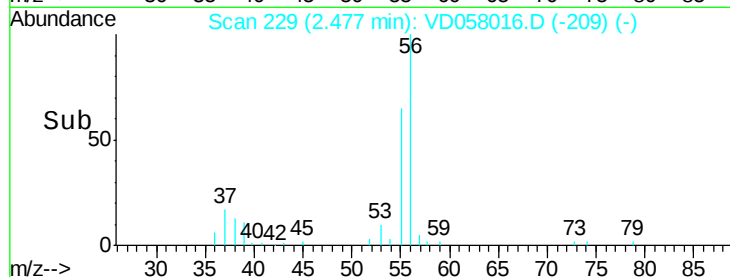
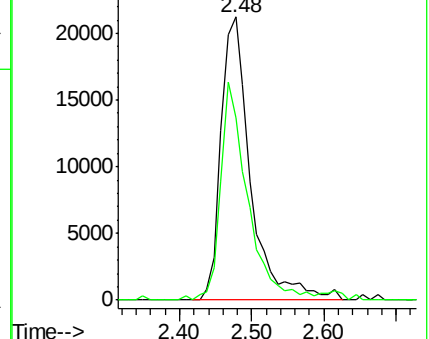
56 100

55 64.6 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: 52.12 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

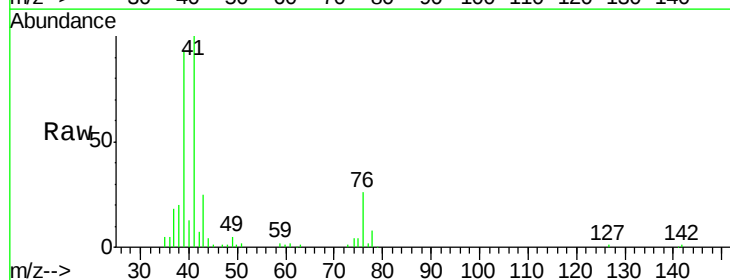
Tgt Ion: 41 Resp: 405204

Ion Ratio Lower Upper

41 100

39 93.2 79.5 119.3

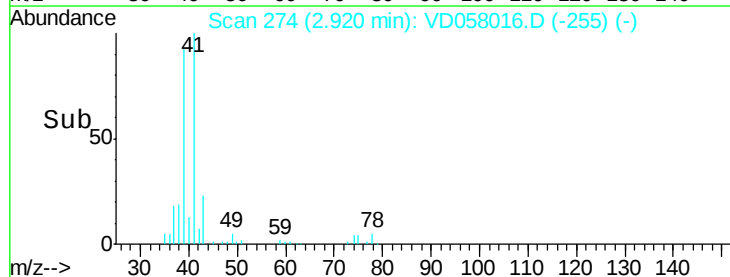
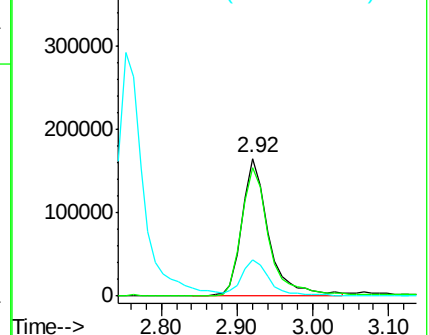
76 26.4 20.7 31.1

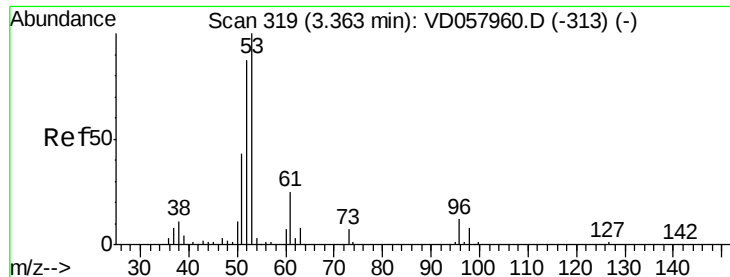


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 237.01 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

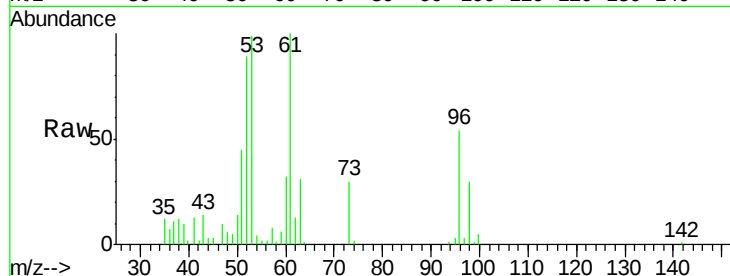
Tot Ion: 53 Resp: 312024

Ion Ratio Lower Upper

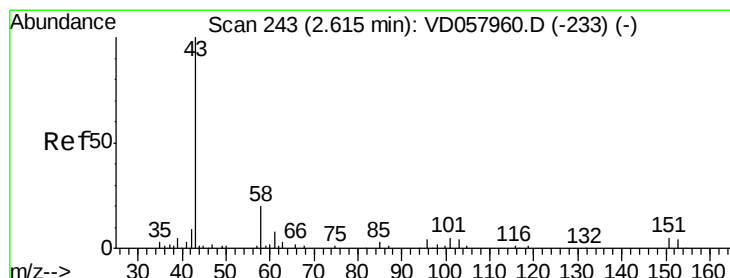
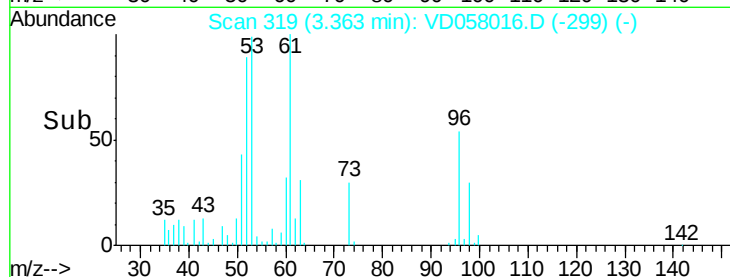
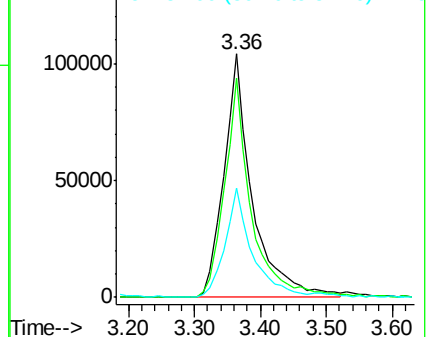
53 100

52 90.2 69.9 104.9

51 45.1 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: 358.19 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058016.D

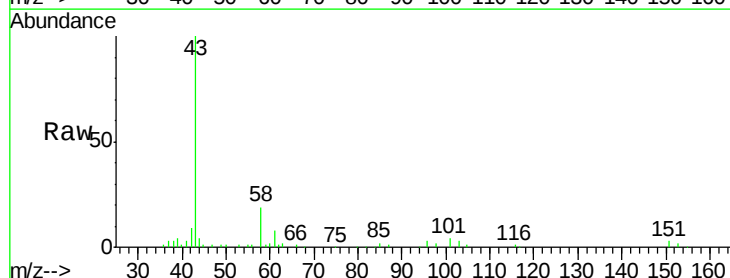
Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 433519

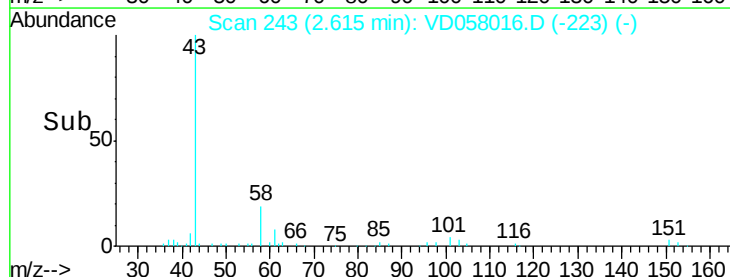
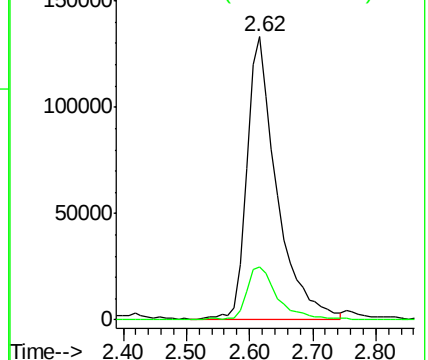
Ion Ratio Lower Upper

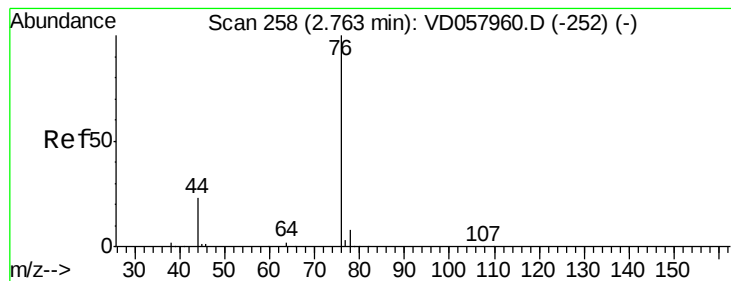
43 100

58 18.6 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: 55.95 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

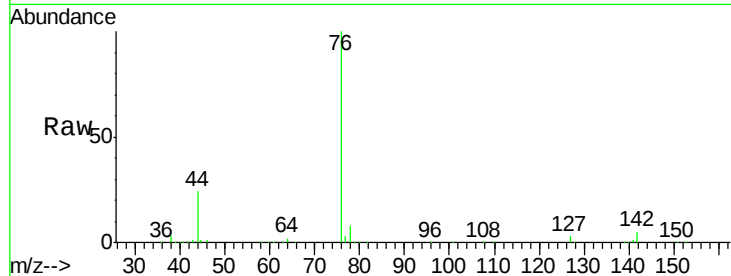
S39-0177MS

Tot Ion: 76 Resp: 683087

Ion Ratio Lower Upper

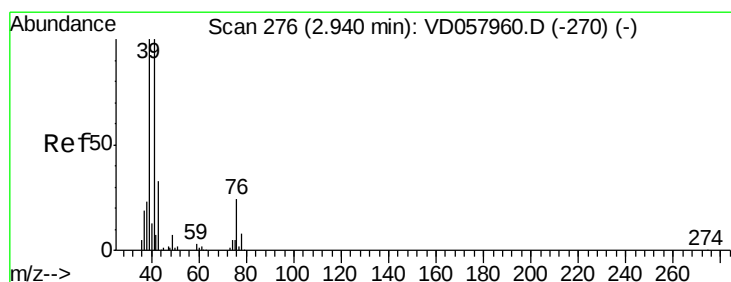
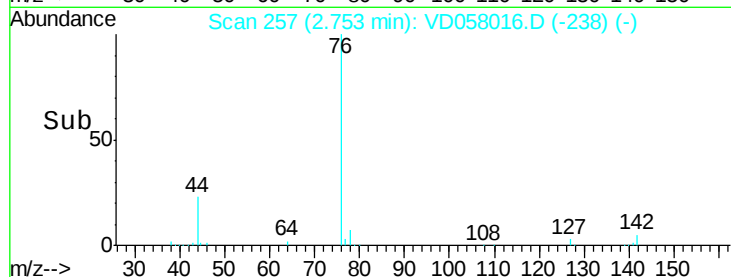
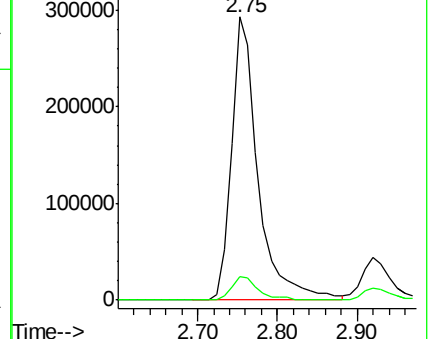
76 100

78 8.3 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: 80.30 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058016.D

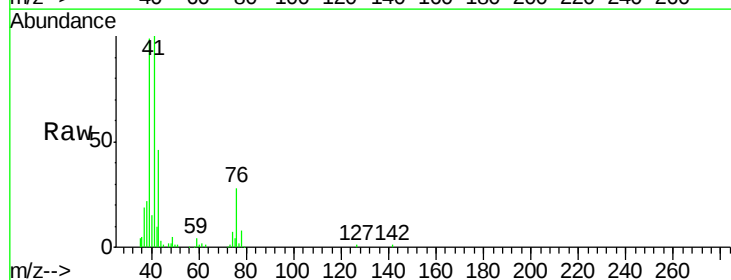
Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 188018

Ion Ratio Lower Upper

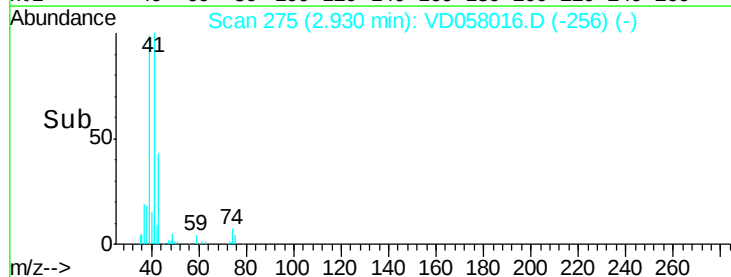
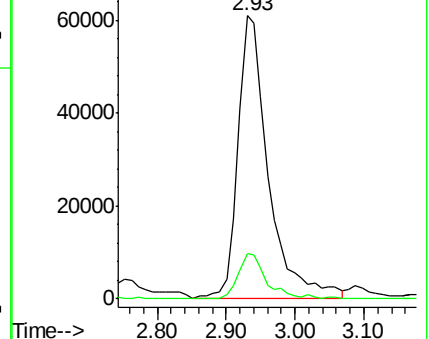
43 100

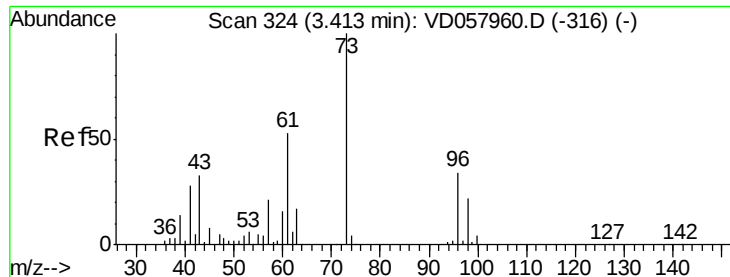
74 15.9 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

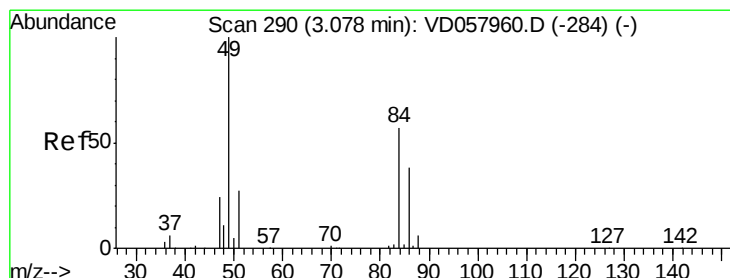
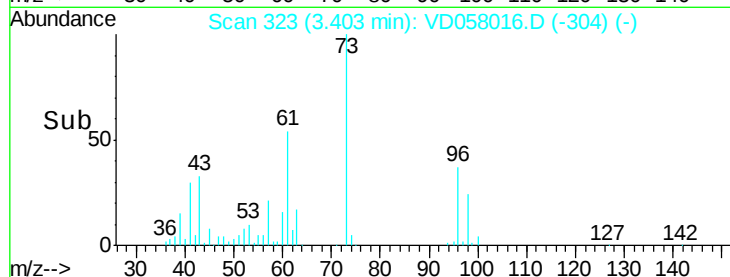
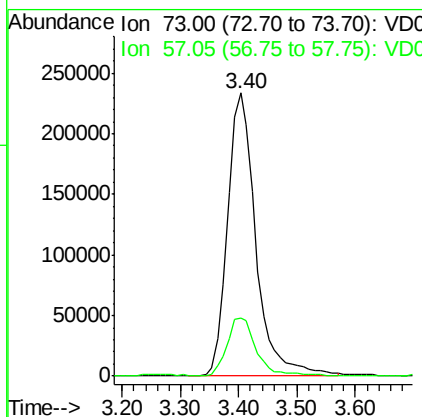
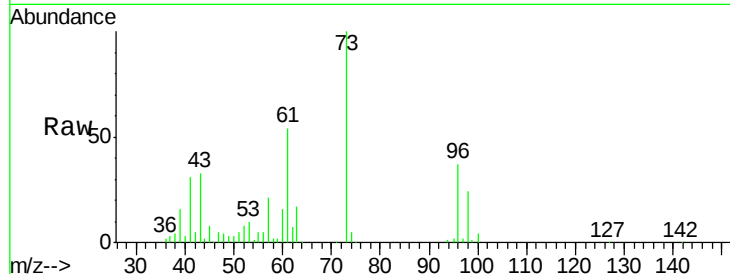




#19
Methvl tert-butvl Ether
Concen: 53.32 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

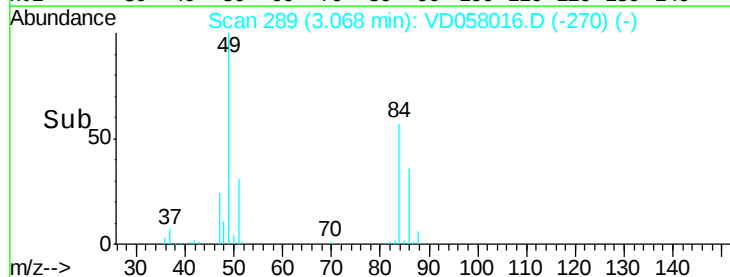
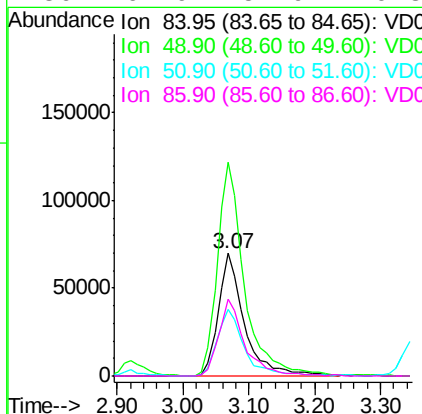
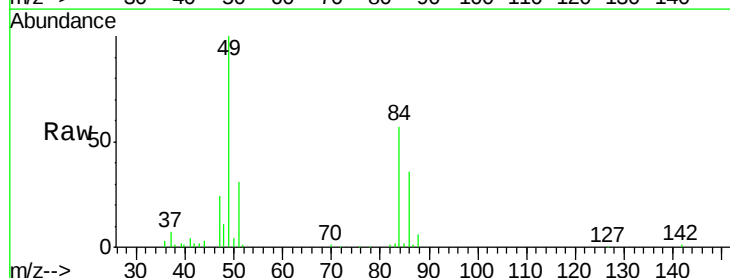
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

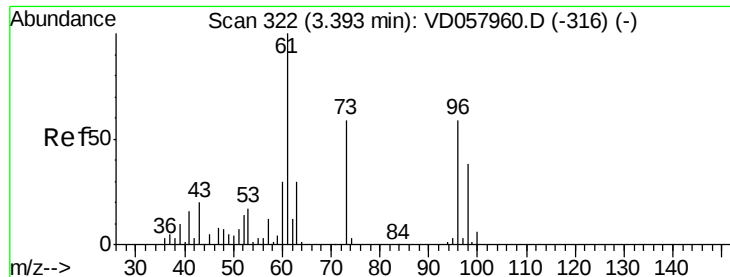
Tot Ion: 73 Resp: 790639
Ion Ratio Lower Upper
73 100
57 20.6 16.7 25.1



#20
Methylene Chloride
Concen: 57.87 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 84 Resp: 191618
Ion Ratio Lower Upper
84 100
49 174.5 141.4 212.0
51 54.6 38.3 57.5
86 62.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 55.39 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

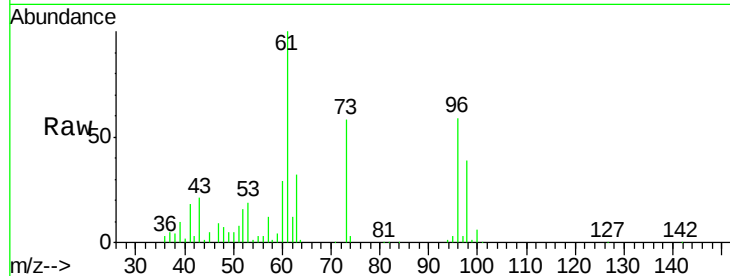
Tot Ion: 96 Resp: 415772

Ion Ratio Lower Upper

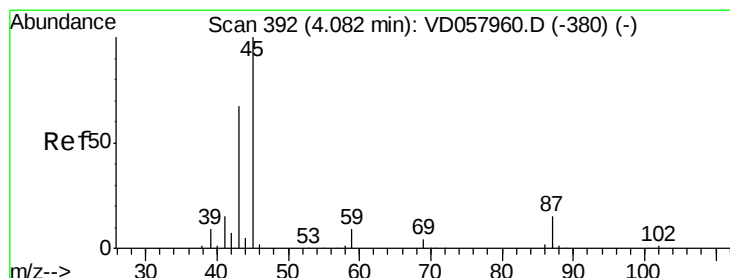
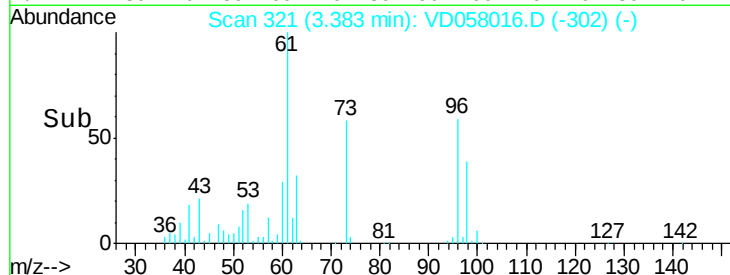
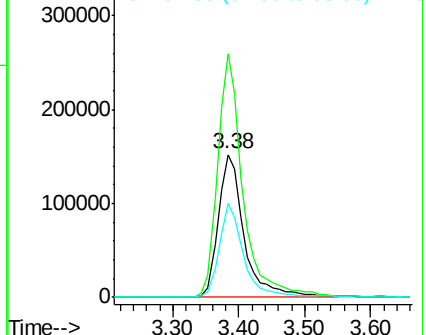
96 100

61 170.5 135.2 202.8

98 65.8 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: 52.58 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Tgt Ion: 45 Resp: 1619260

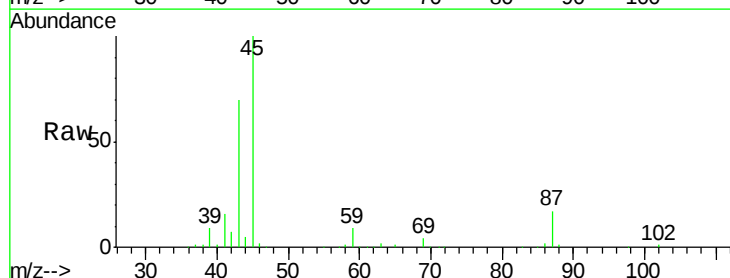
Ion Ratio Lower Upper

45 100

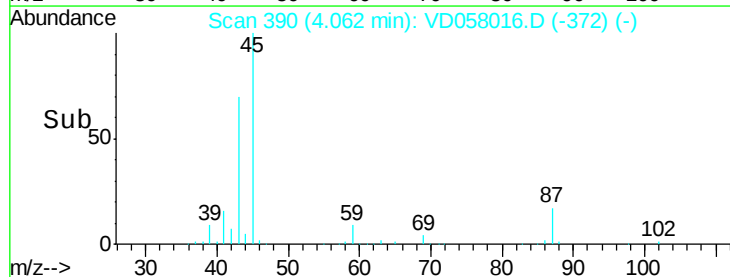
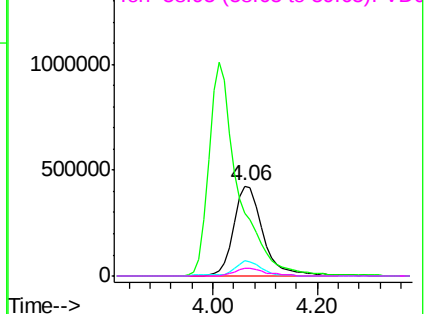
43 70.3 53.8 80.8

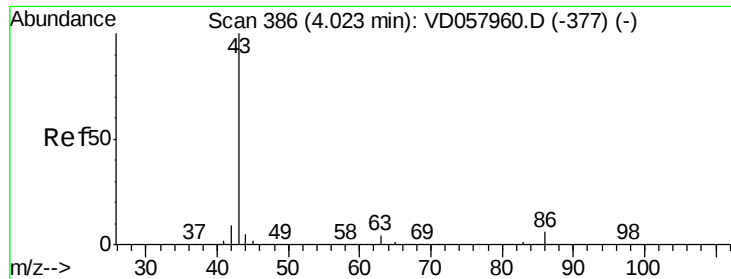
87 16.6 12.5 18.7

59 9.1 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: 243.73 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleID :

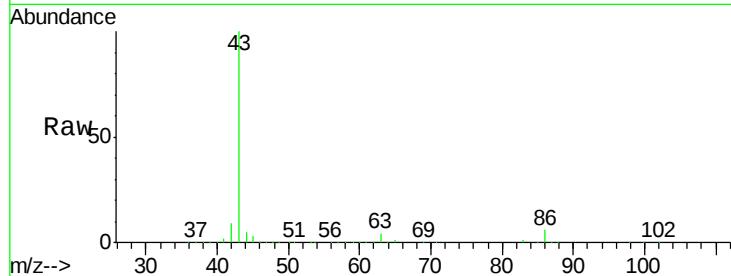
S39-0177MS

Tot Ion: 43 Resp: 3878491

Ion Ratio Lower Upper

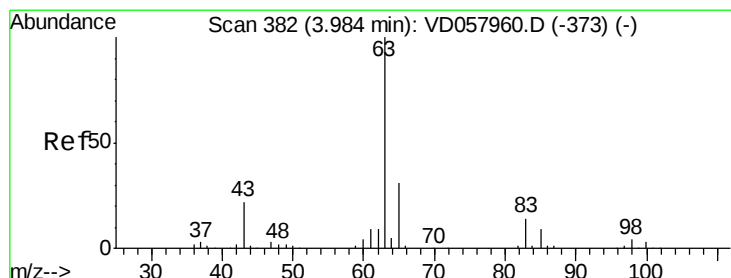
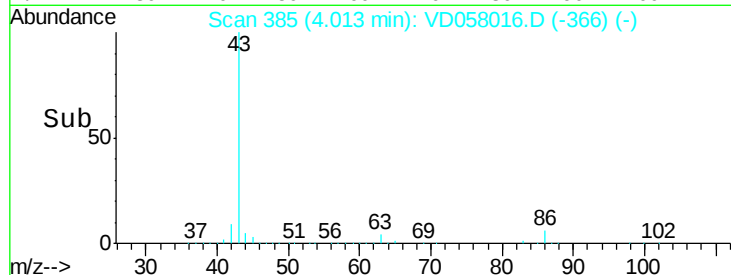
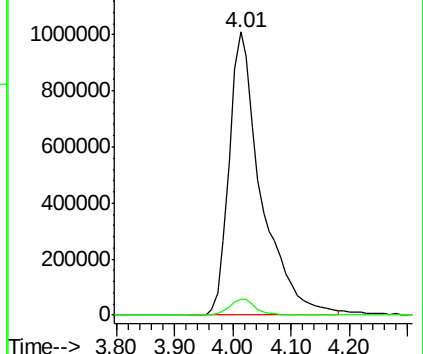
43 100

86 5.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.45 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

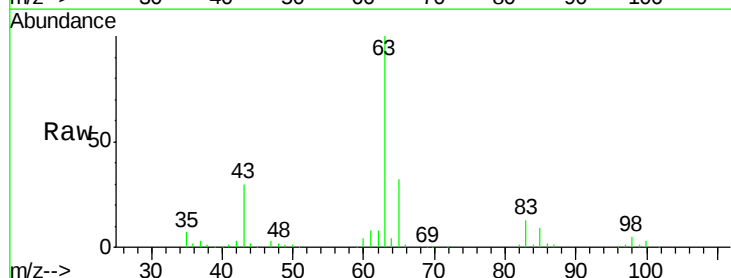
Tgt Ion: 63 Resp: 904733

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

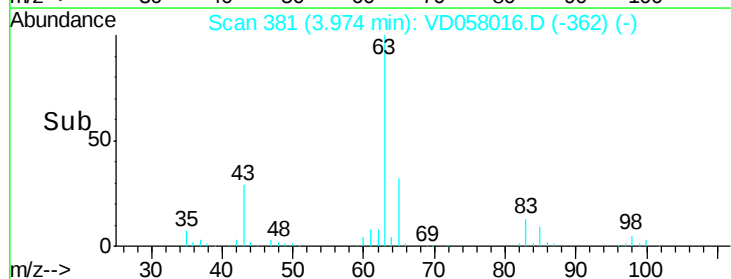
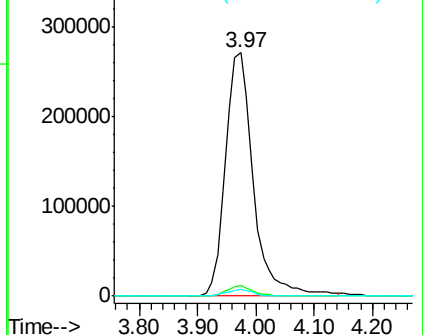
100 2.9 1.4 4.2

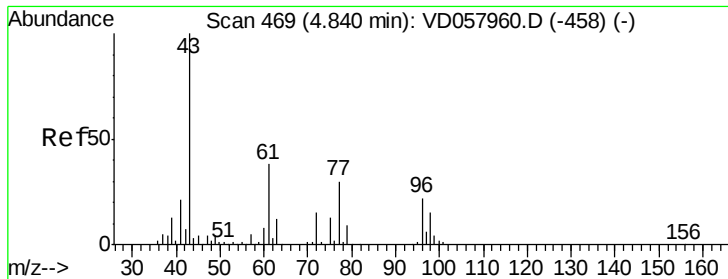


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 274.98 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

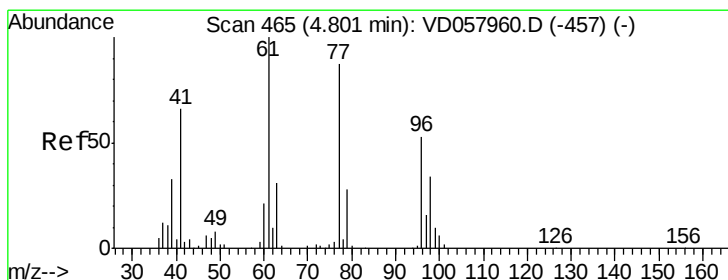
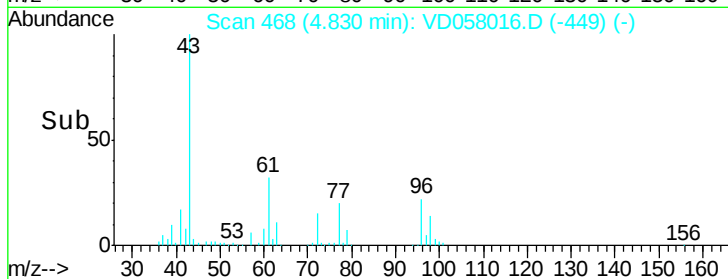
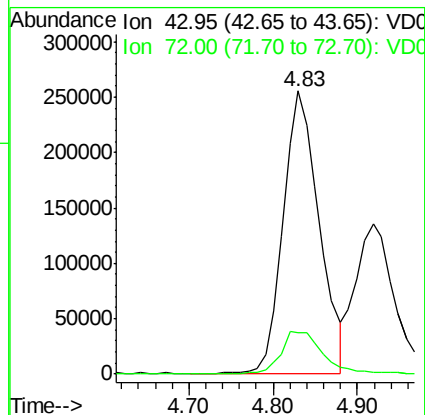
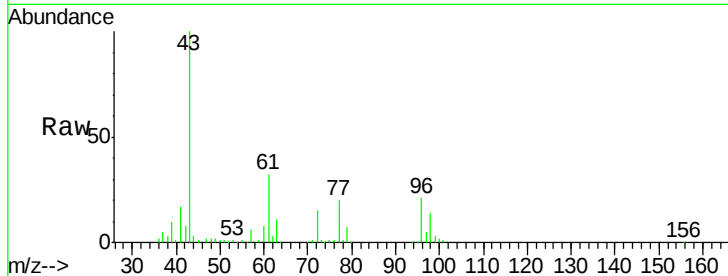
S39-0177MS

Tot Ion: 43 Resp: 756357

Ion Ratio Lower Upper

43 100

72 14.6 12.0 18.0



#26

2,2-Dichloropropane

Concen: 51.07 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058016.D

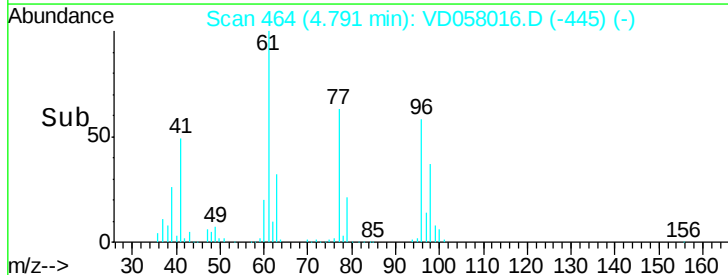
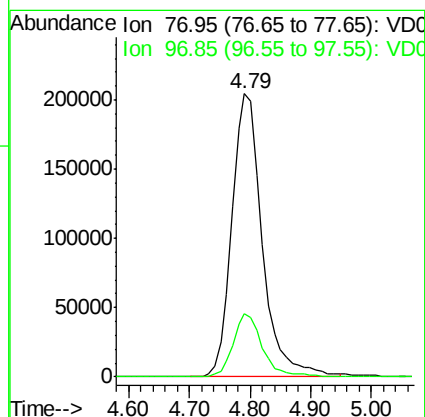
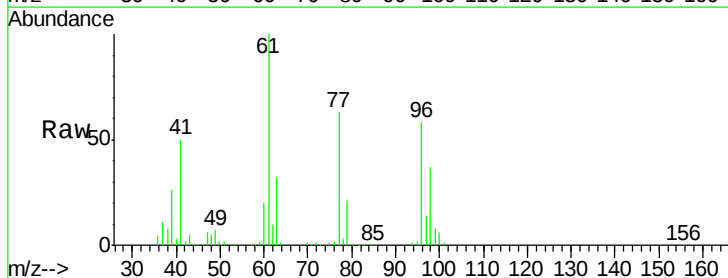
Acq: 8 Jun 2018 14:24

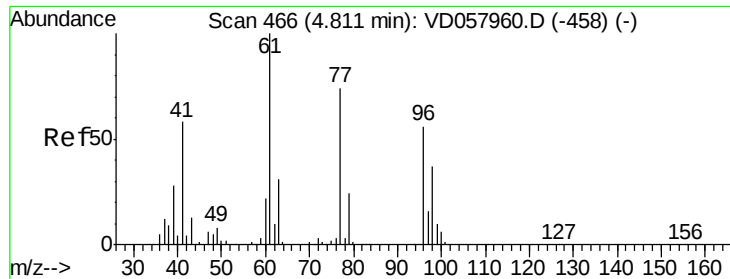
Tgt Ion: 77 Resp: 712043

Ion Ratio Lower Upper

77 100

97 22.5 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 66.29 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

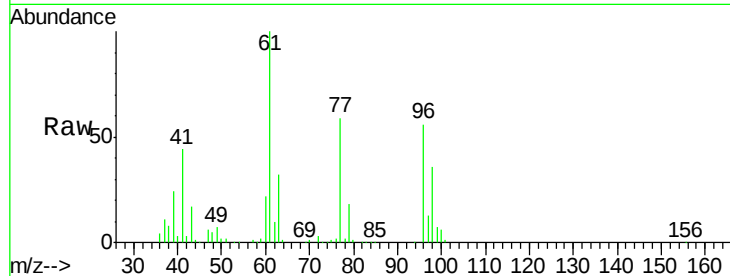
Tot Ion: 96 Resp: 590145

Ion Ratio Lower Upper

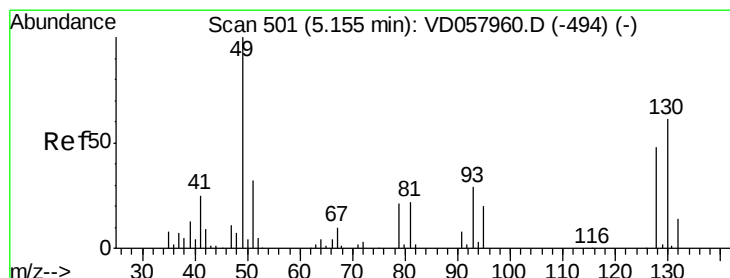
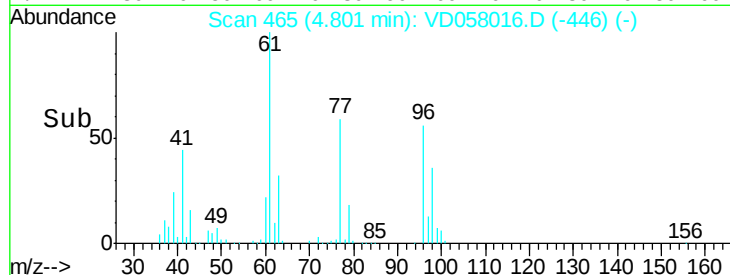
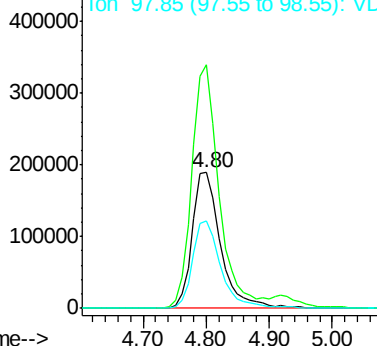
96 100

61 179.5 0.0 355.0

98 64.8 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: 52.14 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

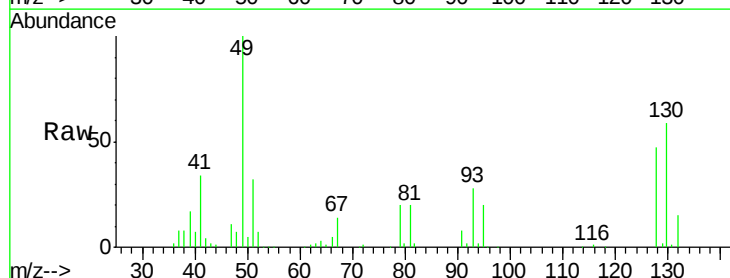
Tgt Ion: 49 Resp: 381956

Ion Ratio Lower Upper

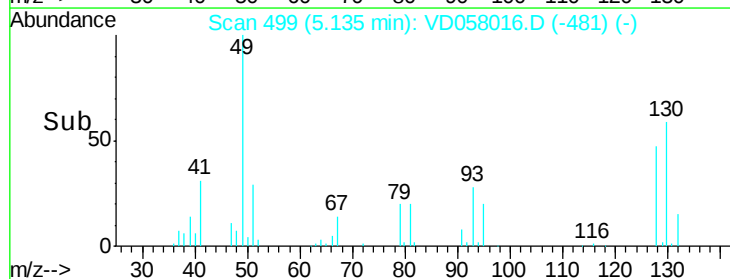
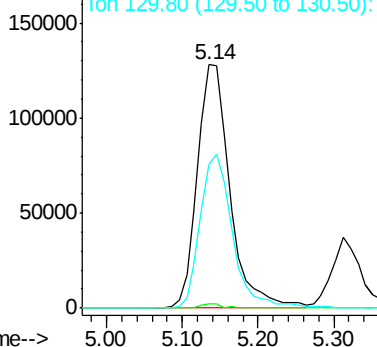
49 100

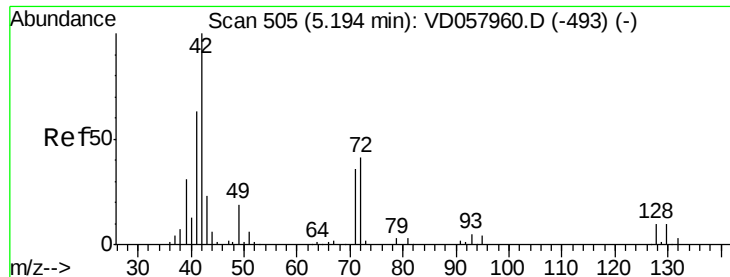
129 1.9 0.0 3.6

130 58.9 48.8 73.2



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





#29

Tetrahydrofuran

Concen: 245.97 ug/l

RT: 5.17 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

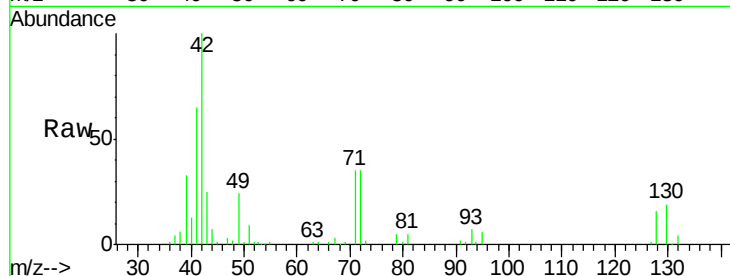
Tot Ion: 42 Resp: 354653

Ion Ratio Lower Upper

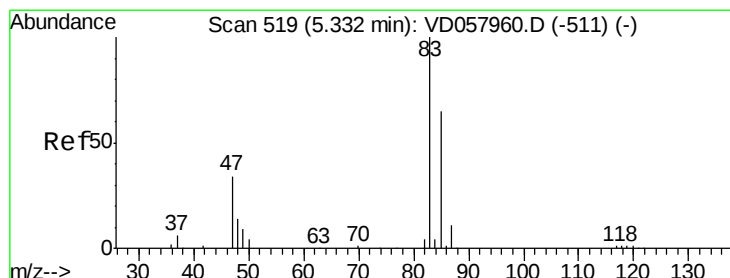
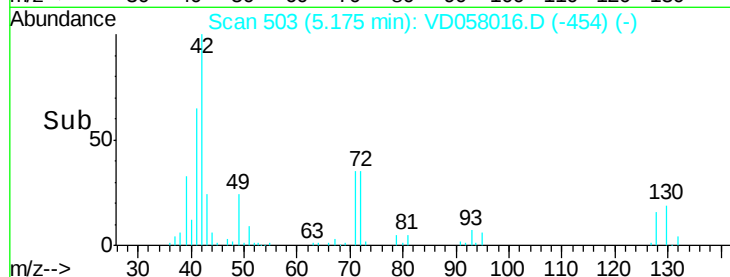
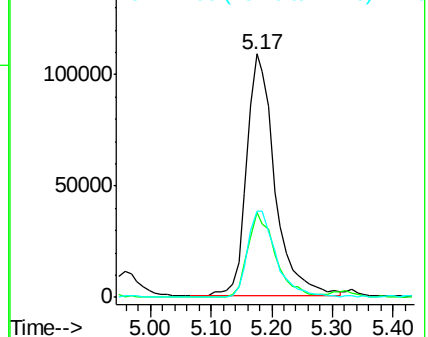
42 100

72 34.5 28.5 42.7

71 35.8 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: 52.58 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD058016.D

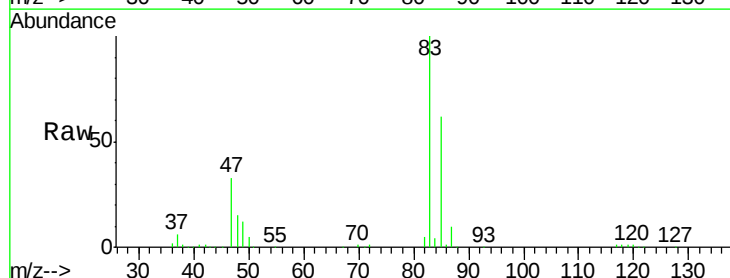
Acq: 8 Jun 2018 14:24

Tgt Ion: 83 Resp: 895733

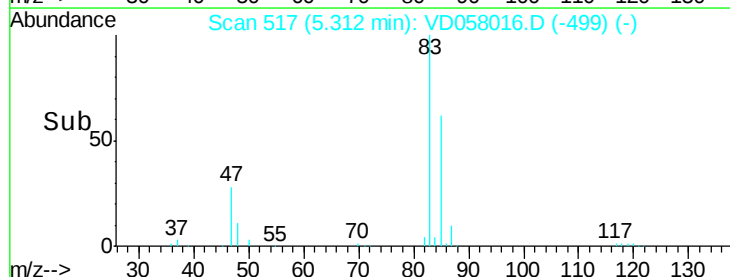
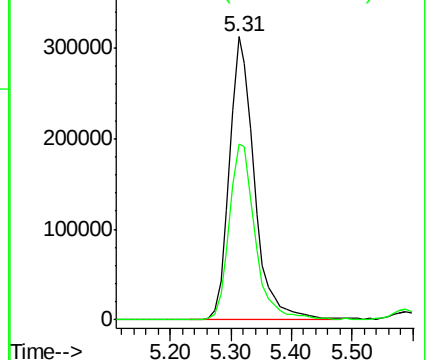
Ion Ratio Lower Upper

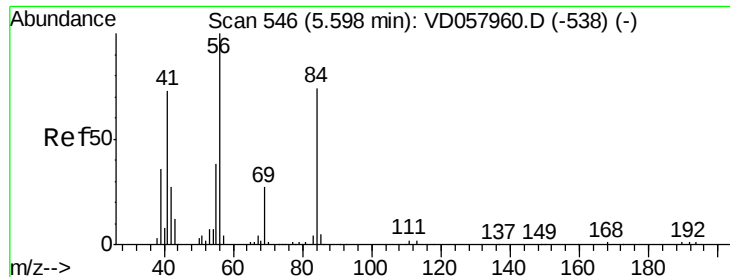
83 100

85 62.2 51.6 77.4



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

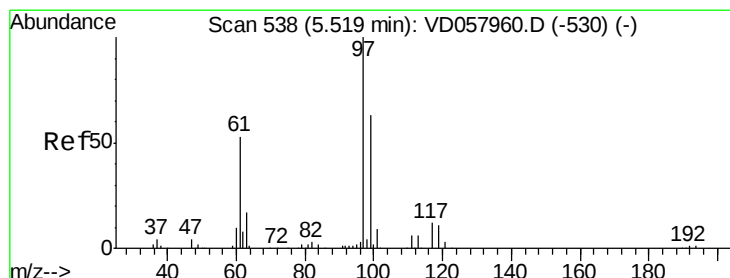
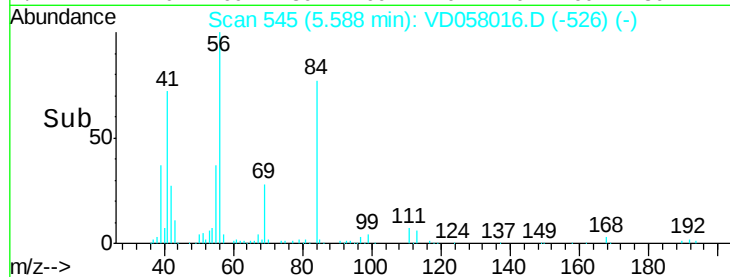
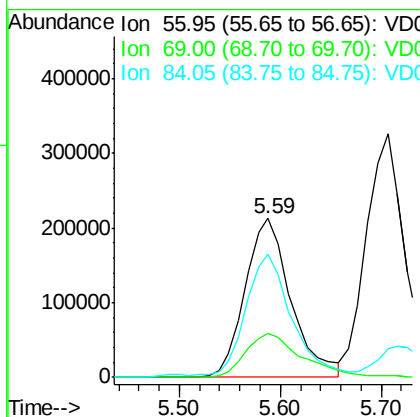
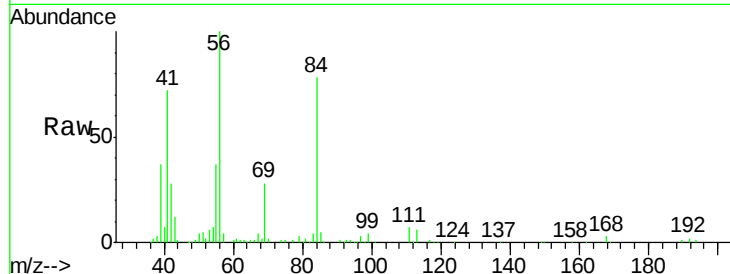




#31
Cyclohexane
Concen: 46.18 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

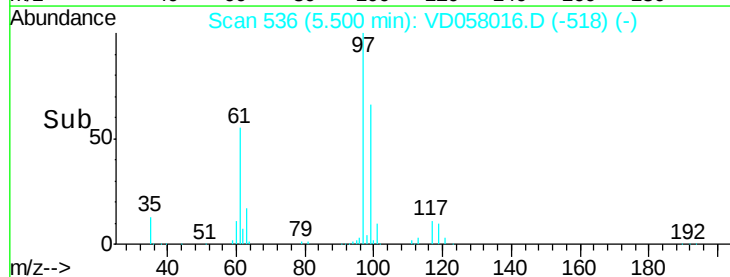
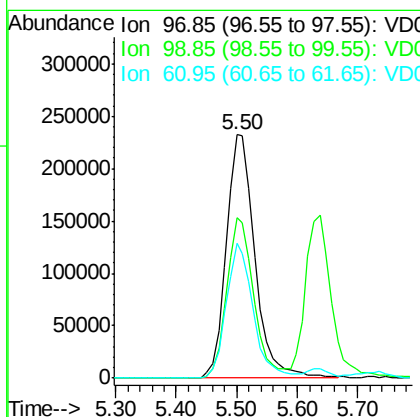
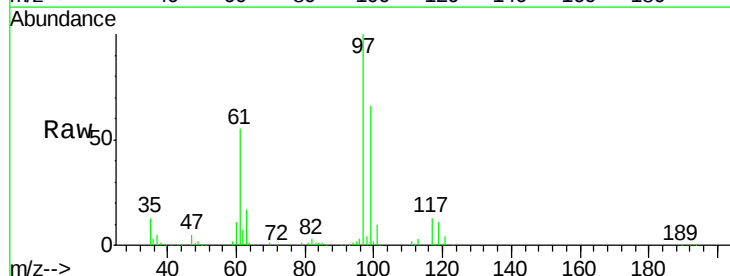
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

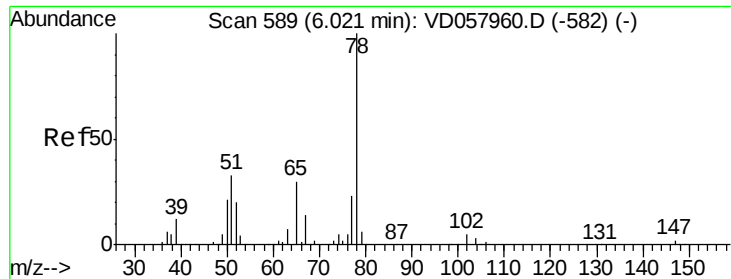
Tot Ion: 56 Resp: 674623
Ion Ratio Lower Upper
56 100
69 27.9 21.5 32.3
84 77.7 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 53.24 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 97 Resp: 759400
Ion Ratio Lower Upper
97 100
99 65.7 50.1 75.1
61 55.1 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 53.24 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

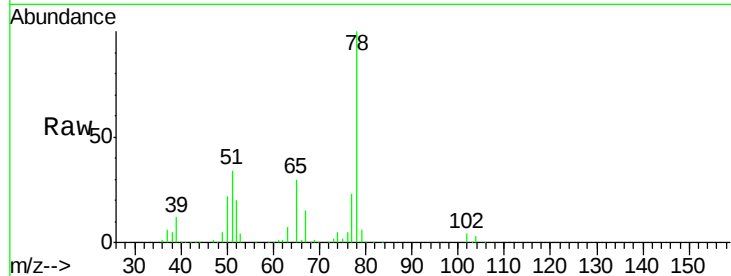
S39-0177MS

Tot Ion: 65 Resp: 402114

Ion Ratio Lower Upper

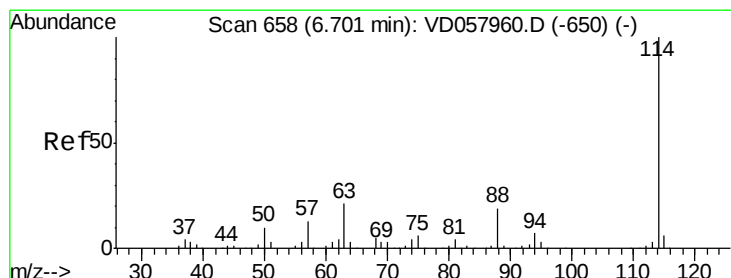
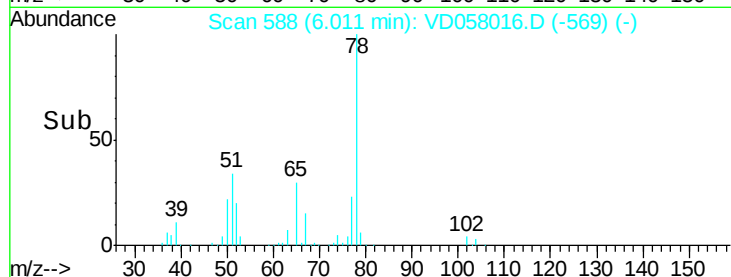
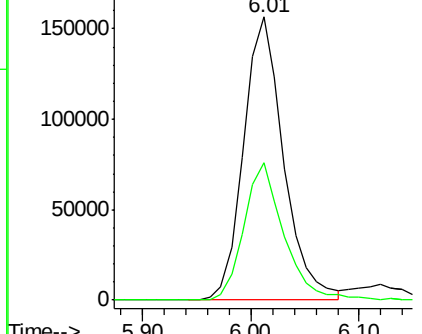
65 100

67 48.6 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: VD058016.D

Acq: 8 Jun 2018 14:24

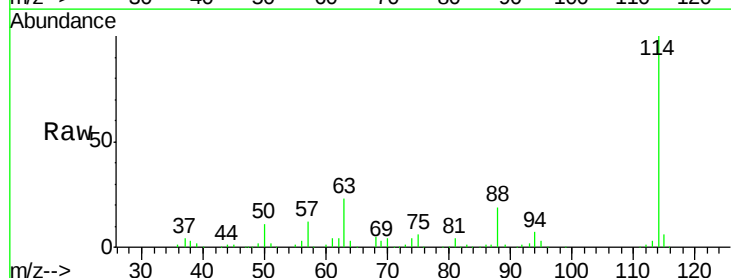
Tgt Ion: 114 Resp: 1110986

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.8

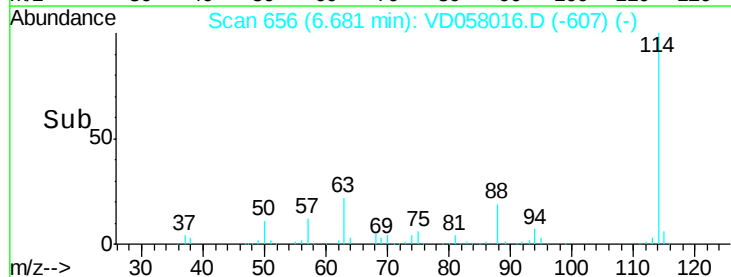
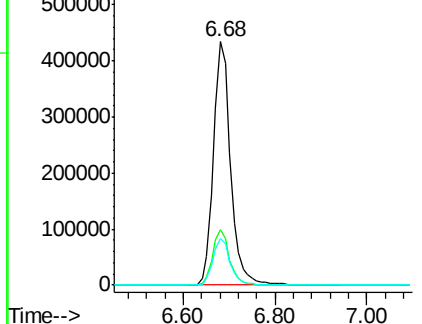
88 19.2 0.0 37.8

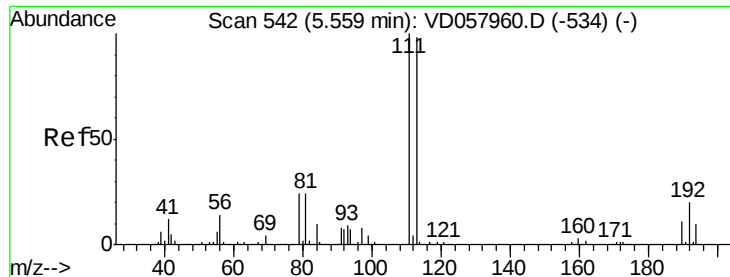


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

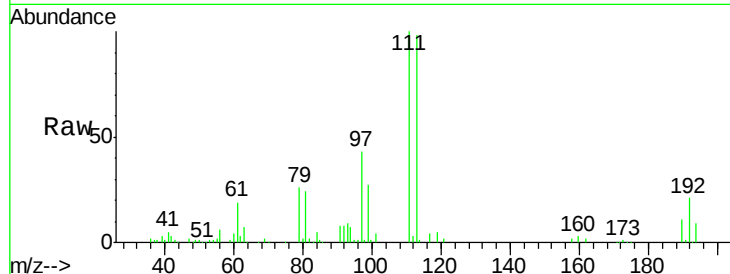
Tot Ion:113 Resp: 417159

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

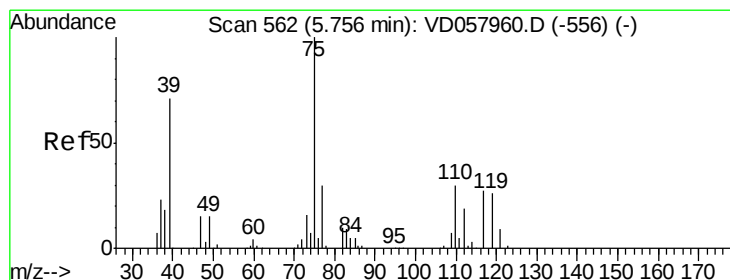
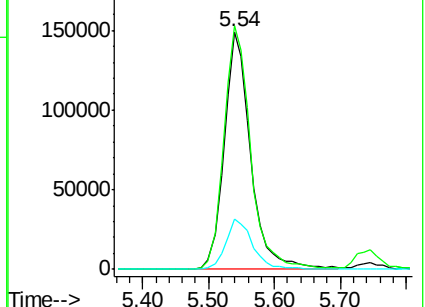
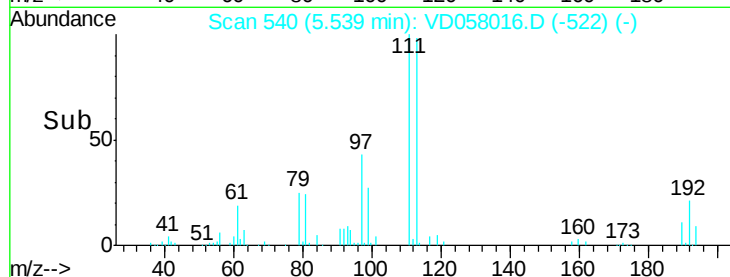
192 21.4 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.54 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

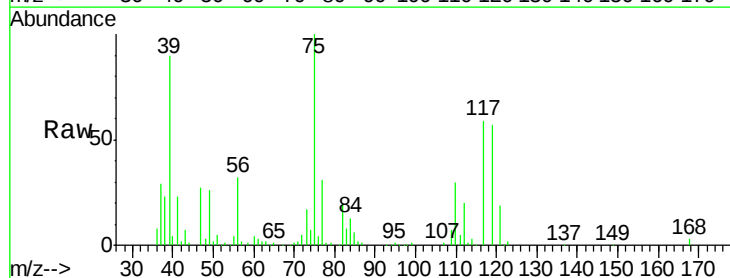
Tgt Ion: 75 Resp: 643140

Ion Ratio Lower Upper

75 100

110 30.2 14.8 44.3

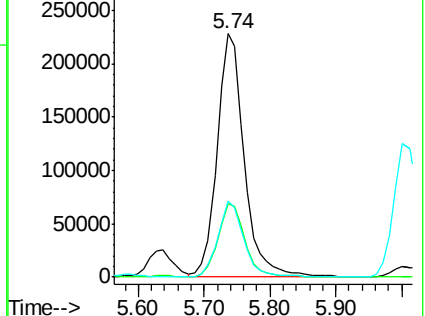
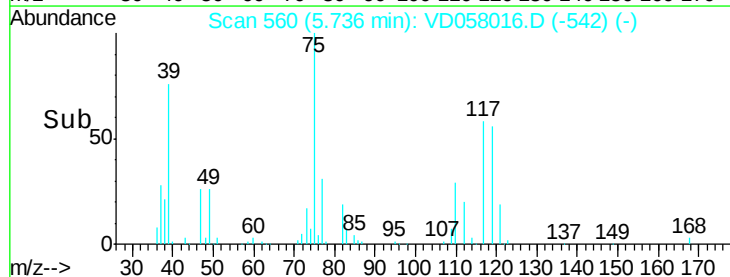
77 31.1 23.9 35.9

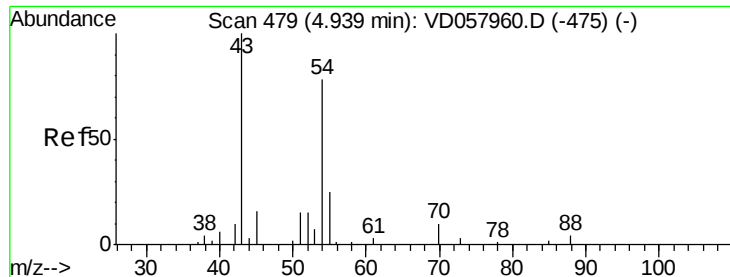


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

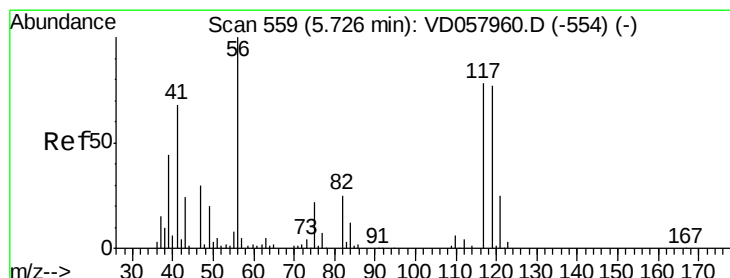
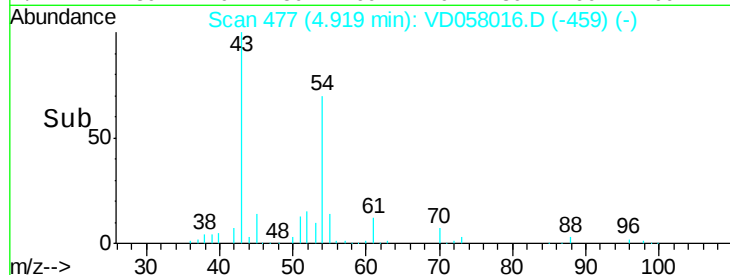
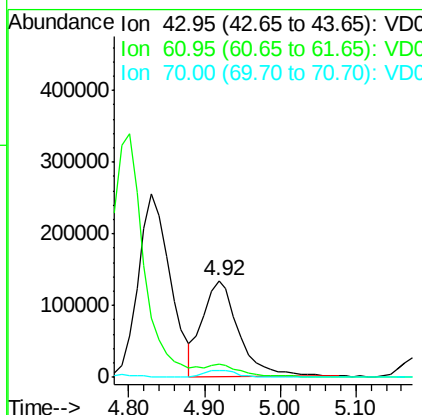
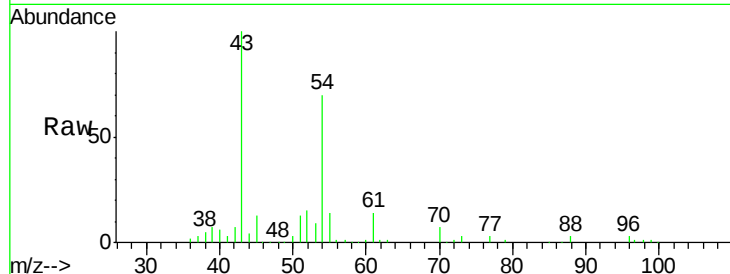




#37
Ethyl Acetate
Concen: 66.13 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

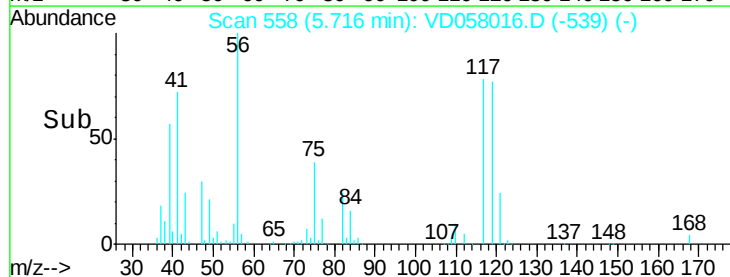
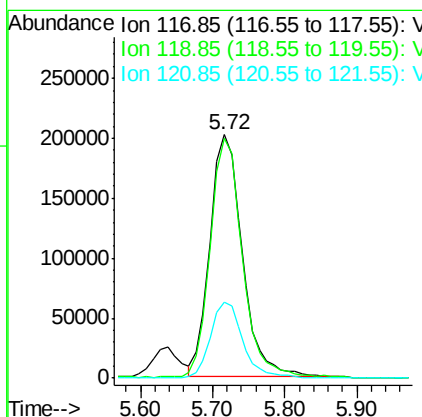
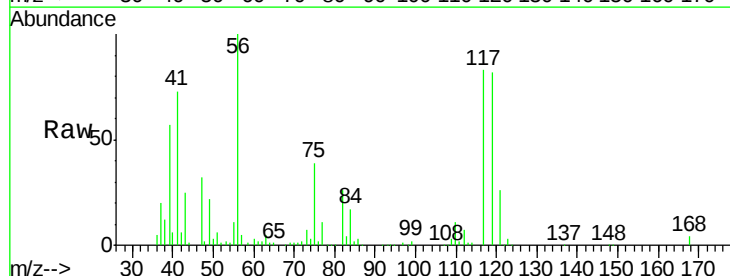
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

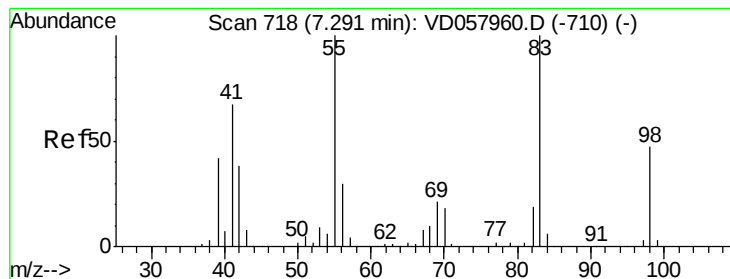
Tot Ion: 43 Resp: 441673
Ion Ratio Lower Upper
43 100
61 14.3 9.9 14.9
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.86 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 117 Resp: 625553
Ion Ratio Lower Upper
117 100
119 98.7 76.1 114.1
121 31.0 24.9 37.3





#39

Methvlcvclohexane

Concen: 43.51 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

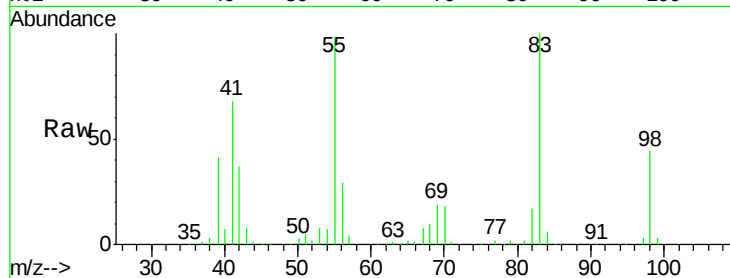
Tot Ion: 83 Resp: 527889

Ion Ratio Lower Upper

83 100

55 98.1 80.3 120.5

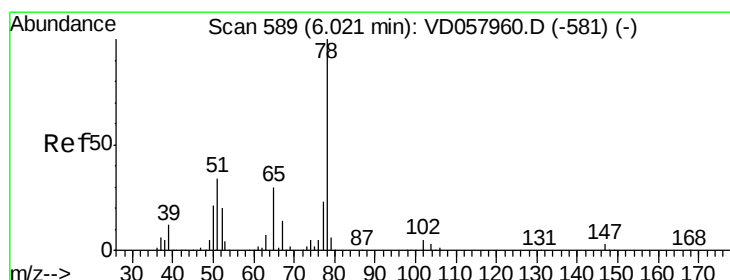
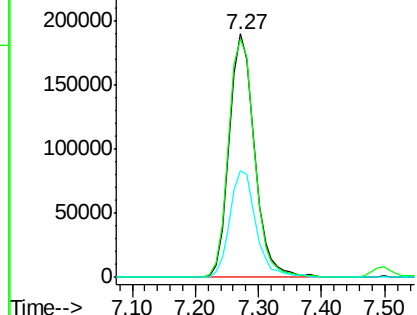
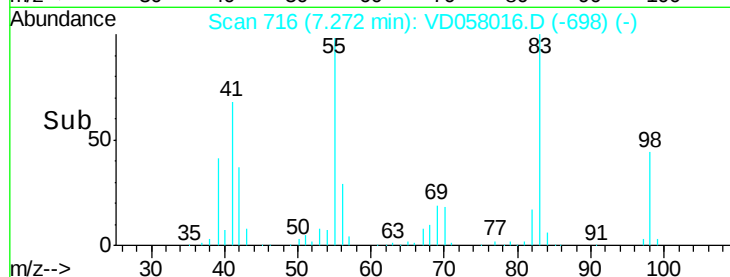
98 43.9 38.0 57.0



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: 53.91 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058016.D

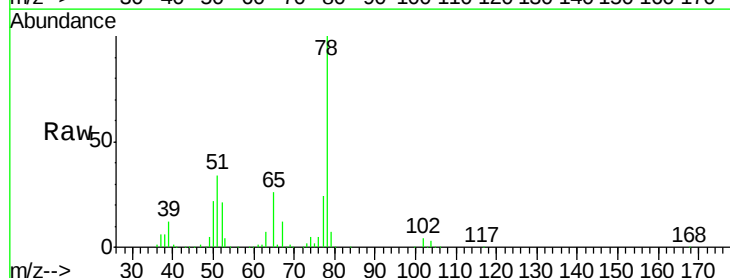
Acq: 8 Jun 2018 14:24

Tgt Ion: 78 Resp: 1541364

Ion Ratio Lower Upper

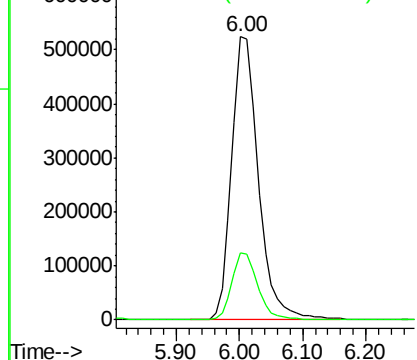
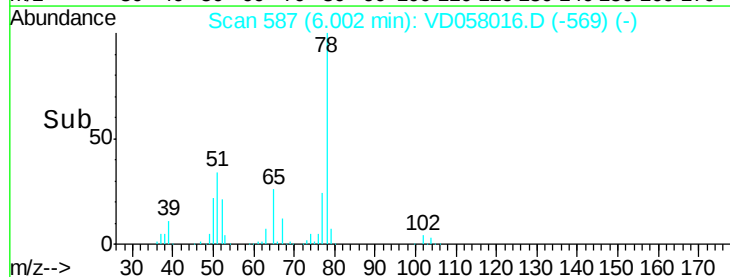
78 100

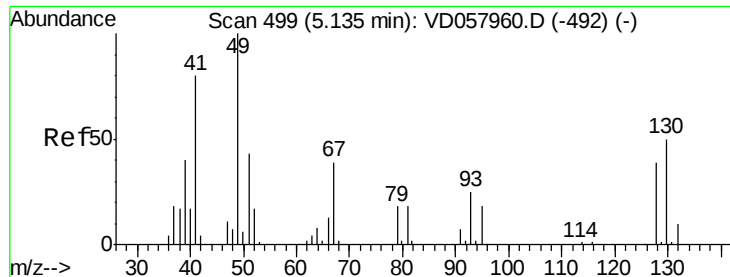
77 23.9 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 55.07 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

Tot Ion: 41 Resp: 168177

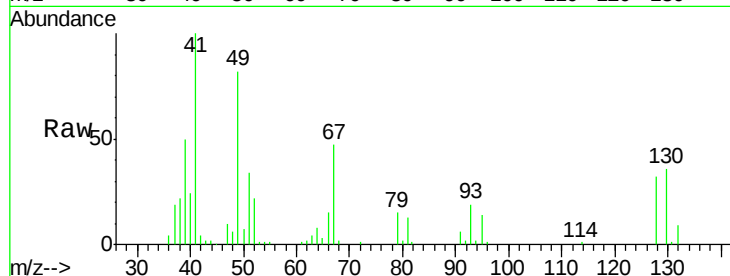
Ion Ratio Lower Upper

41 100

39 50.2 40.7 61.1

67 46.5 38.8 58.2

52 22.3 17.3 25.9

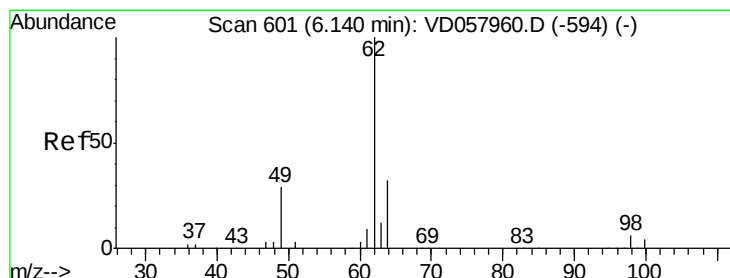
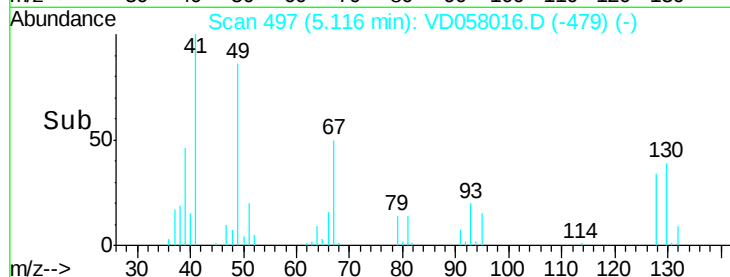
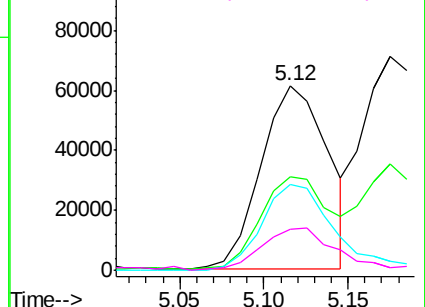


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 52.31 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058016.D

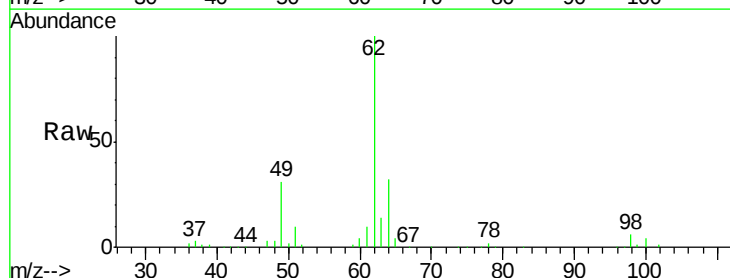
Acq: 8 Jun 2018 14:24

Tgt Ion: 62 Resp: 604781

Ion Ratio Lower Upper

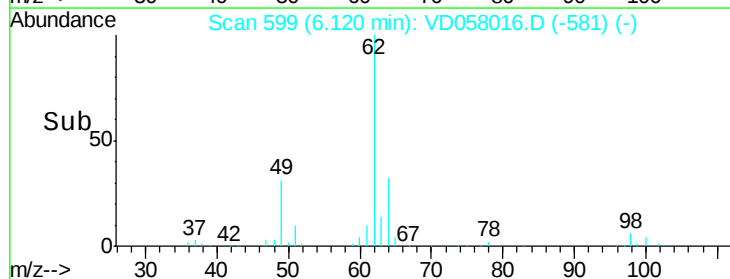
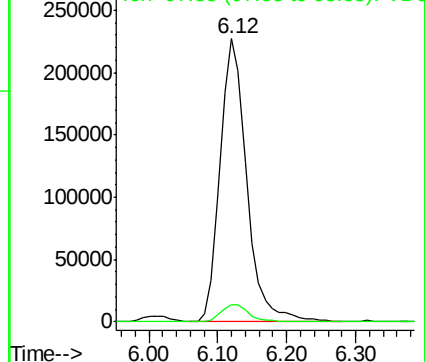
62 100

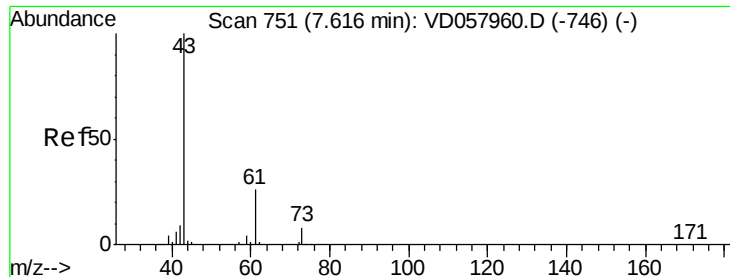
98 6.0 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.92 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

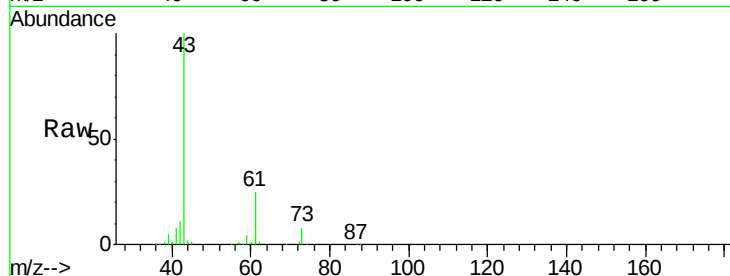
Tot Ion: 43 Resp: 462946

Ion Ratio Lower Upper

43 100

61 25.4 20.6 30.8

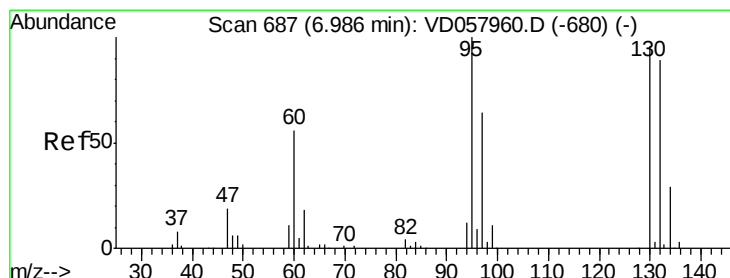
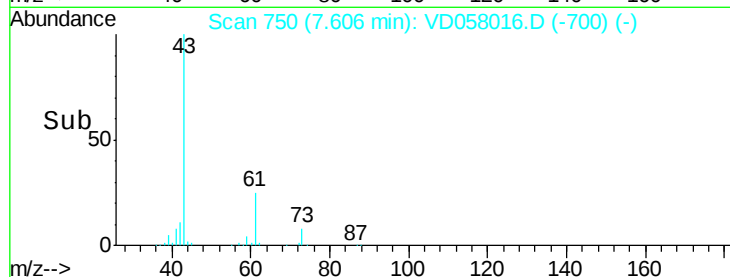
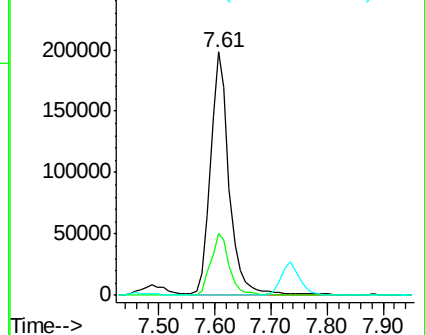
87 0.2 0.2 0.4#



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: 53.71 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058016.D

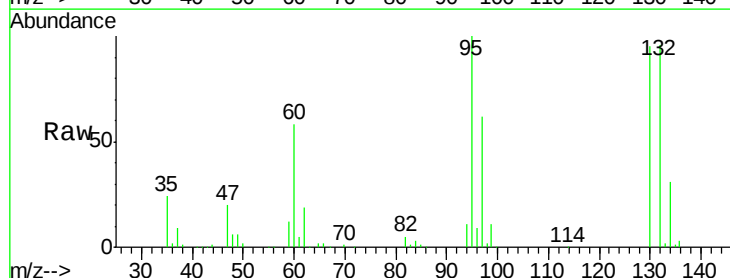
Acq: 8 Jun 2018 14:24

Tgt Ion:130 Resp: 448552

Ion Ratio Lower Upper

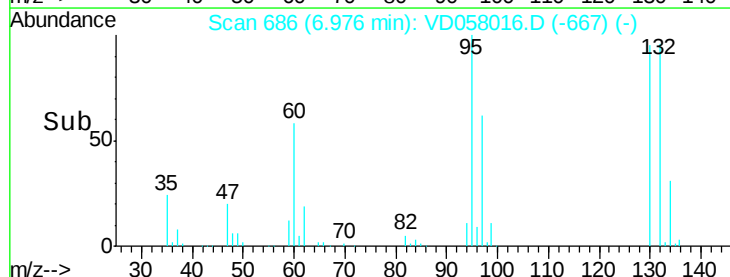
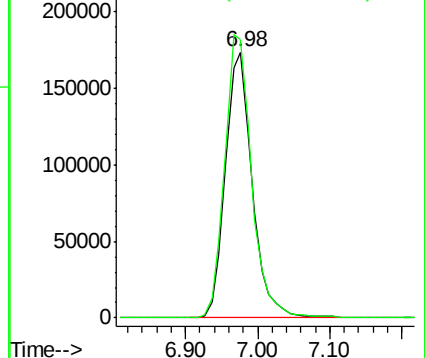
130 100

95 104.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.33 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

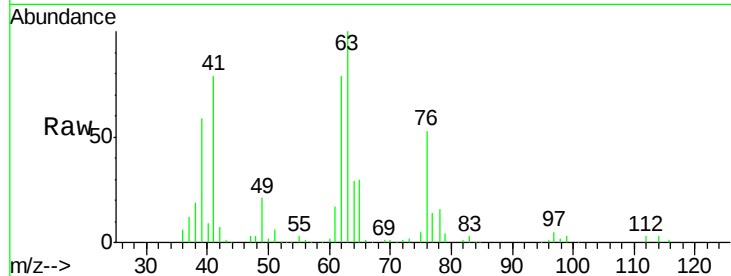
S39-0177MS

Tot Ion: 63 Resp: 415897

Ion Ratio Lower Upper

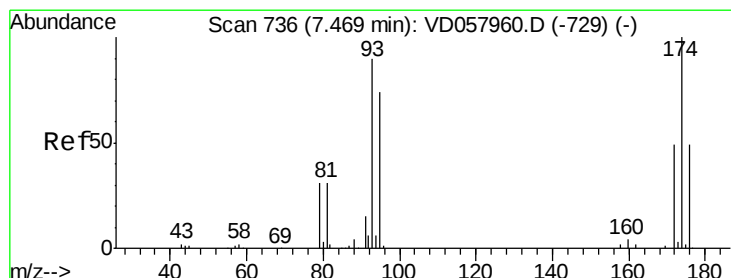
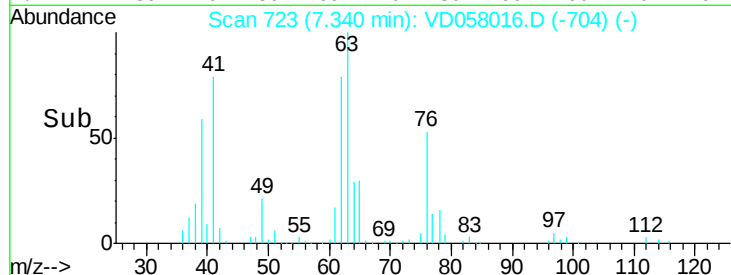
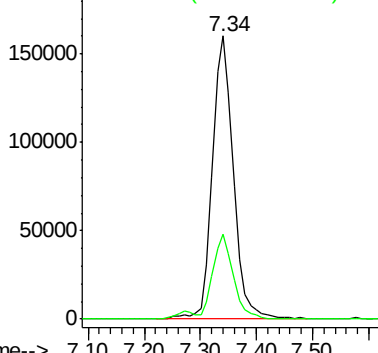
63 100

65 29.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.95 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

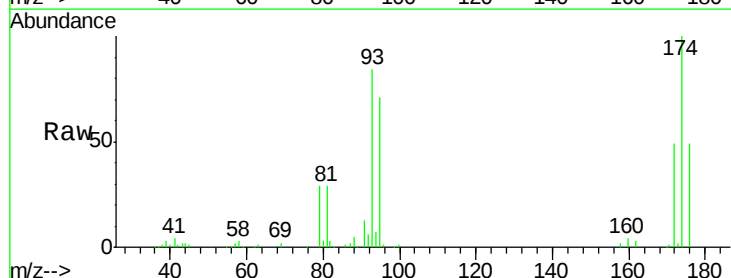
Tgt Ion: 93 Resp: 260095

Ion Ratio Lower Upper

93 100

95 85.3 65.7 98.5

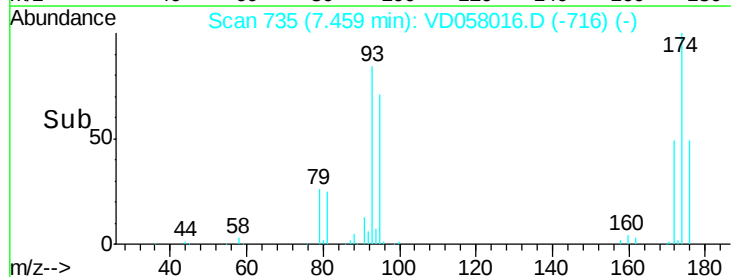
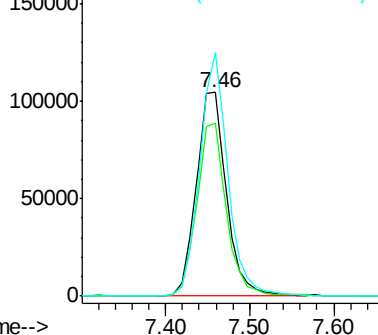
174 119.6 89.0 133.4

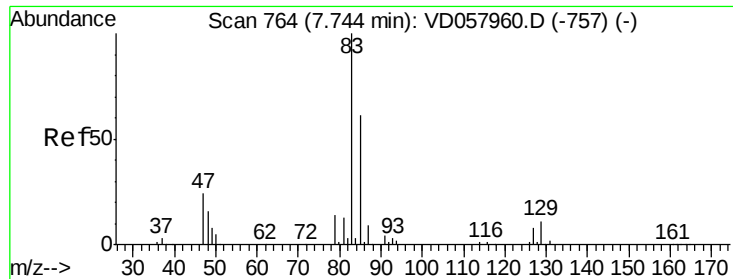


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.36 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

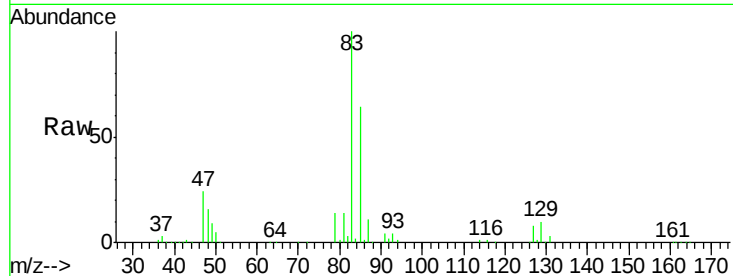
Tot Ion: 83 Resp: 625857

Ion Ratio Lower Upper

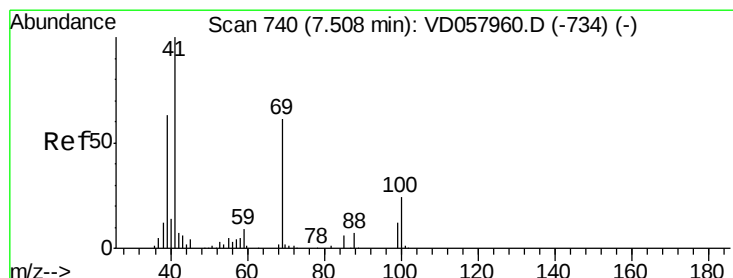
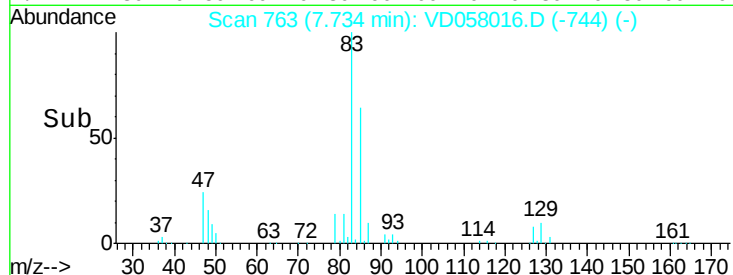
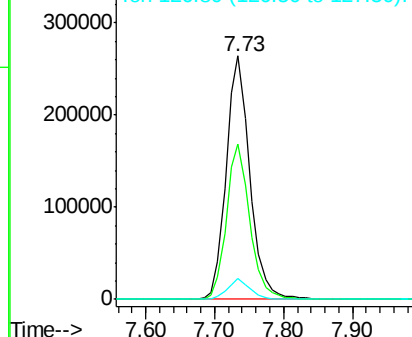
83 100

85 63.9 49.1 73.7

127 8.4 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: 53.85 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

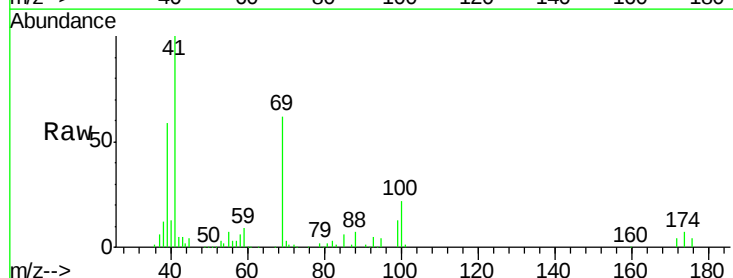
Tgt Ion: 41 Resp: 289941

Ion Ratio Lower Upper

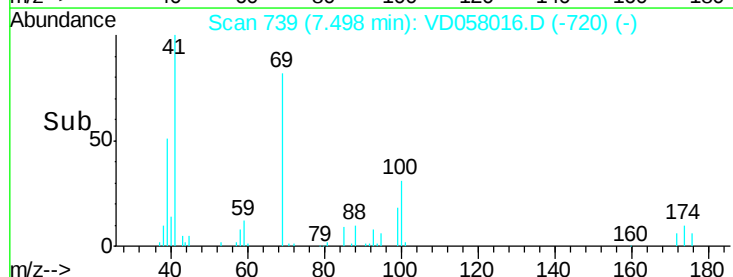
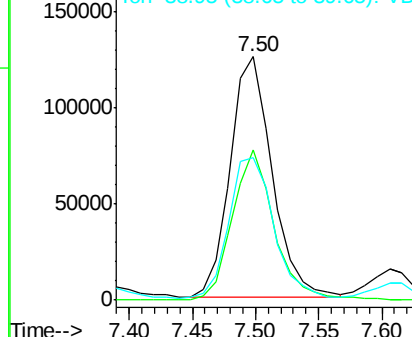
41 100

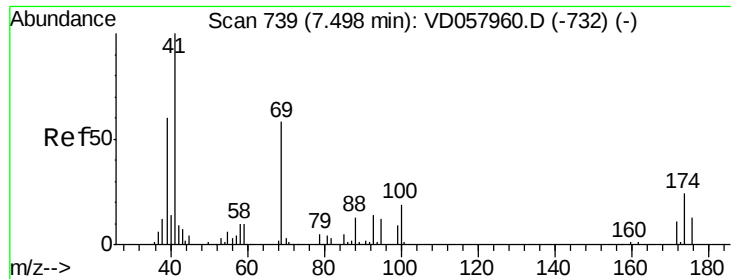
69 61.8 48.0 72.0

39 58.6 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: 1082.15 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

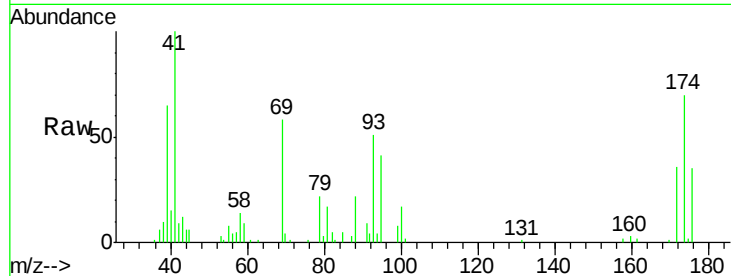
Tot Ion: 88 Resp: 48270

Ion Ratio Lower Upper

88 100

43 53.1 46.6 69.8

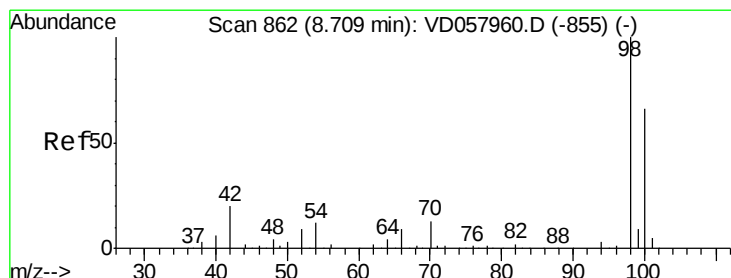
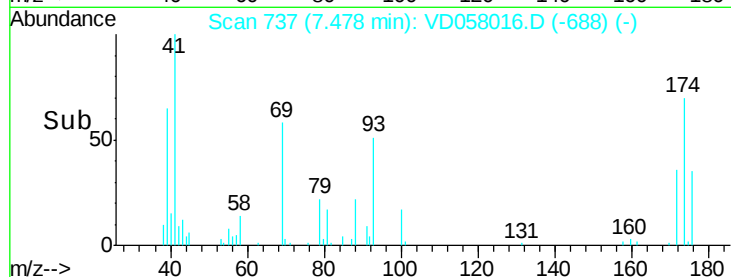
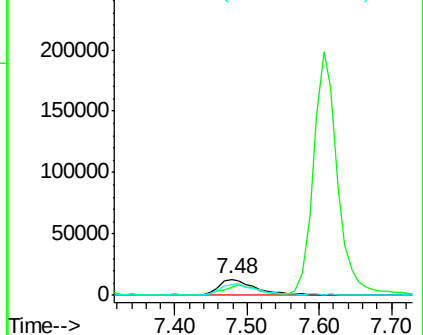
58 64.6 63.6 95.4



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: 1082.15 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058016.D

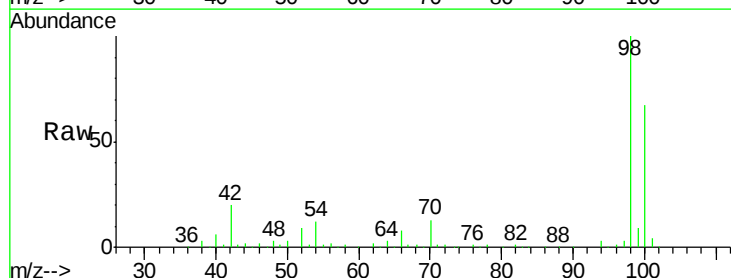
Acq: 8 Jun 2018 14:24

Tgt Ion: 98 Resp: 979330

Ion Ratio Lower Upper

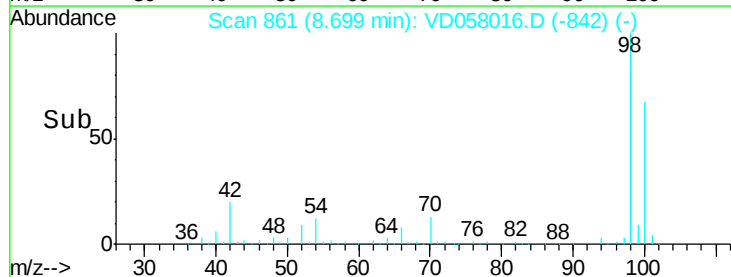
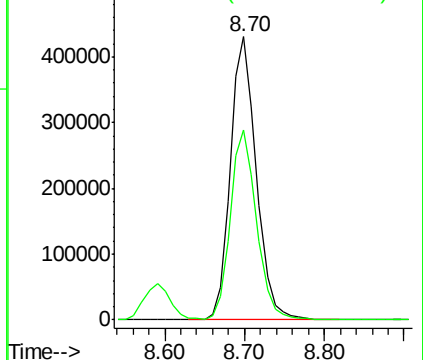
98 100

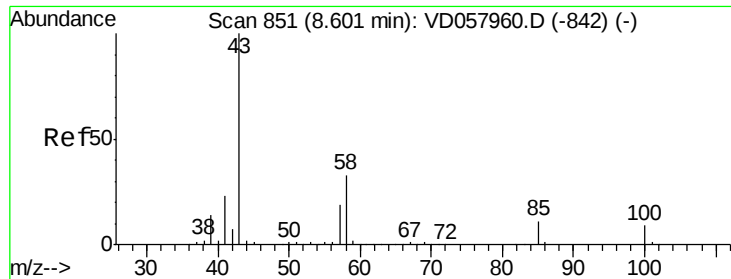
100 67.2 53.4 80.0



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: 271.90 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

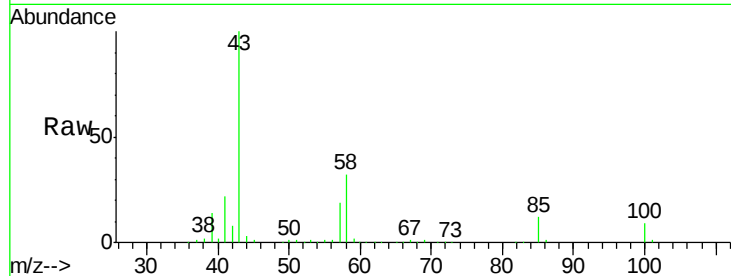
S39-0177MS

Tot Ion: 43 Resp: 1525650

Ion Ratio Lower Upper

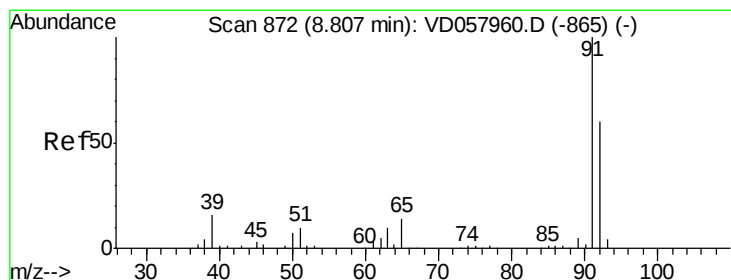
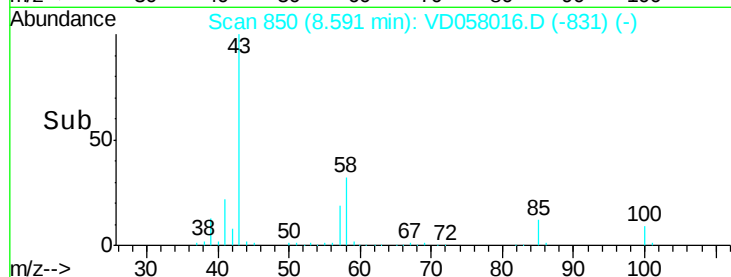
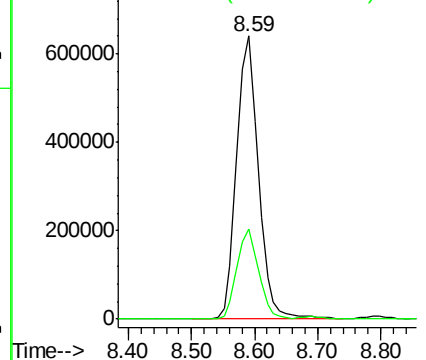
43 100

58 31.9 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: 47.39 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058016.D

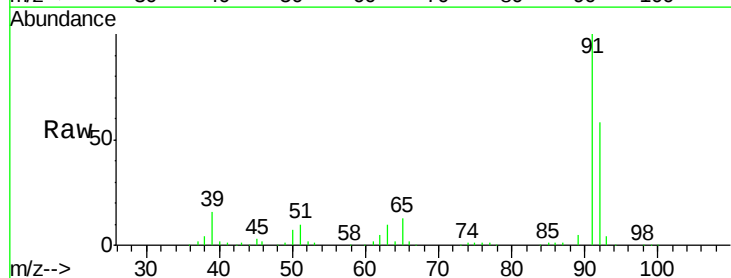
Acq: 8 Jun 2018 14:24

Tgt Ion: 92 Resp: 777610

Ion Ratio Lower Upper

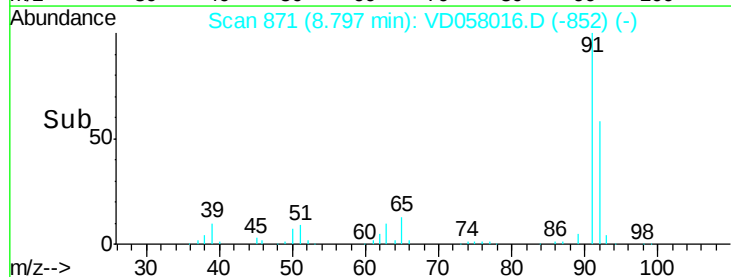
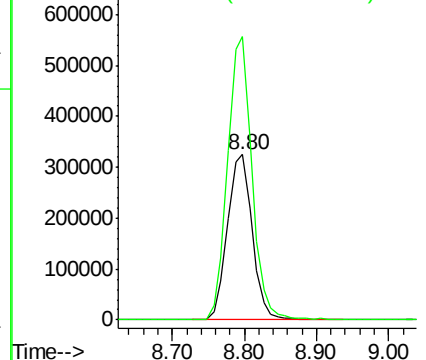
92 100

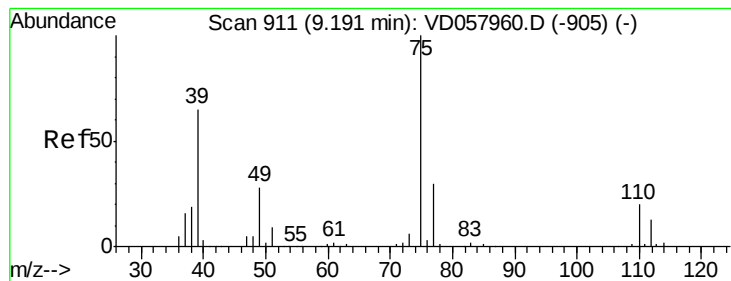
91 171.5 133.0 199.6



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: 52.22 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

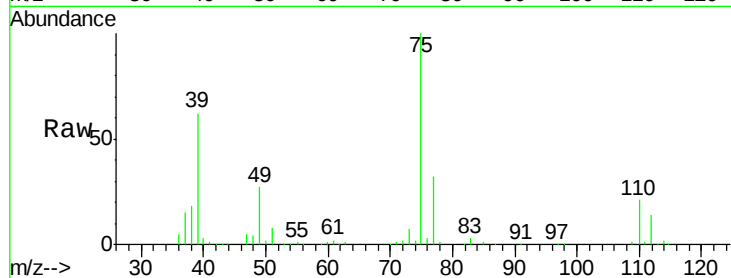
S39-0177MS

Tot Ion: 75 Resp: 537806

Ion Ratio Lower Upper

75 100

77 32.2 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.18

250000

200000

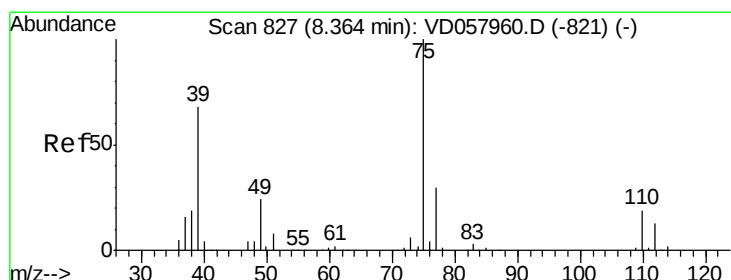
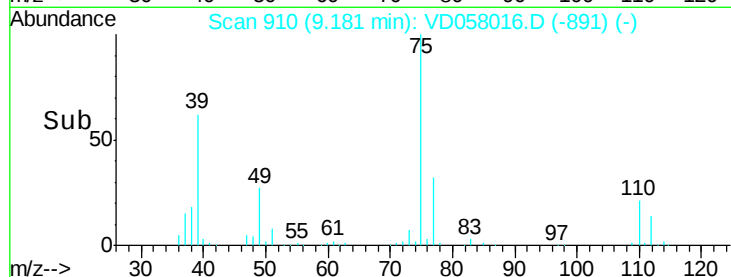
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.46 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

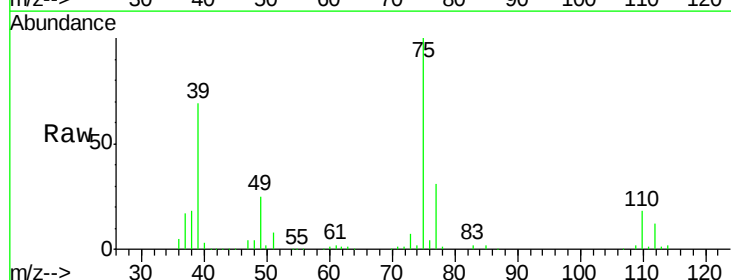
Tgt Ion: 75 Resp: 636485

Ion Ratio Lower Upper

75 100

77 31.0 24.1 36.1

39 69.0 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.35

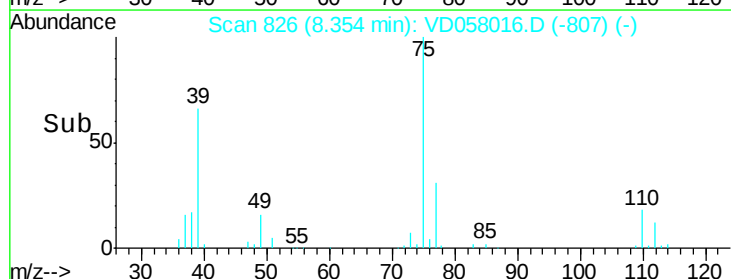
300000

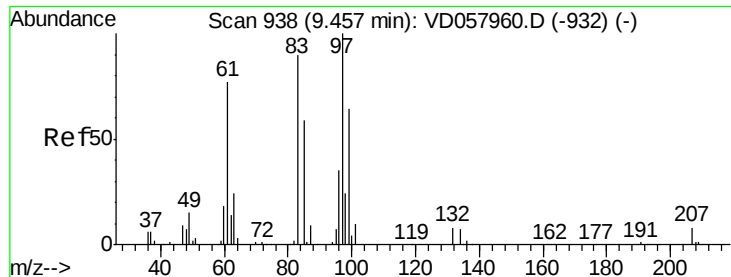
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.98 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

Tot Ion: 97 Resp: 260128

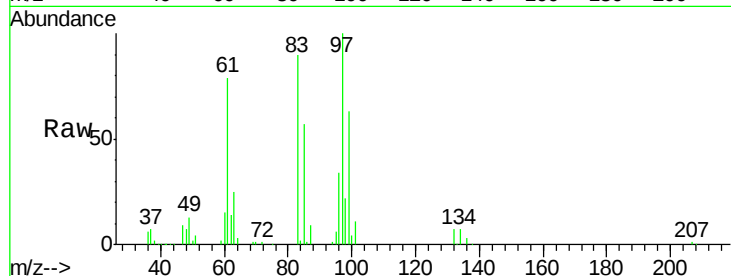
Ion Ratio Lower Upper

97 100

83 90.3 71.8 107.8

85 57.3 47.2 70.8

99 63.4 51.4 77.0

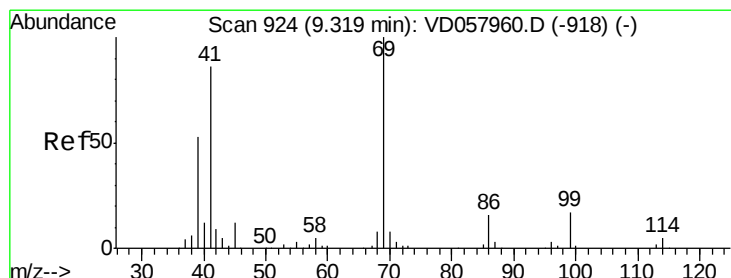
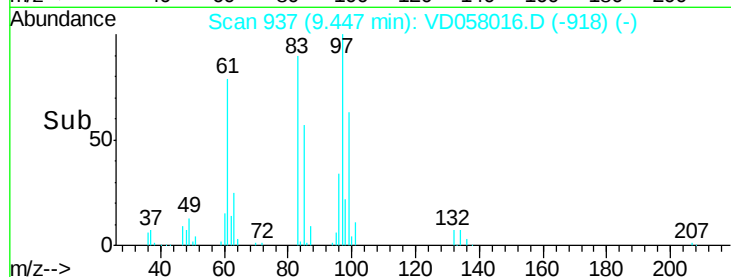
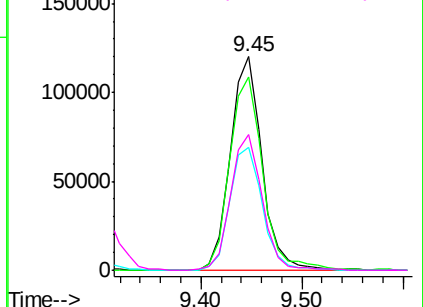


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.11 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

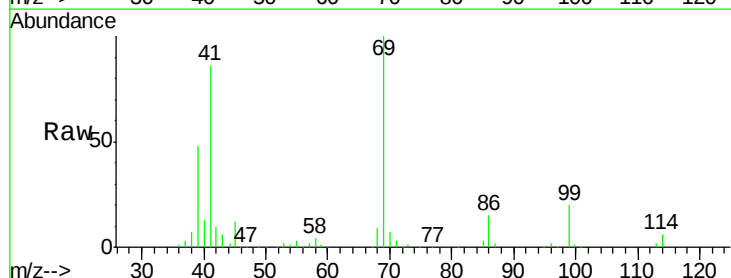
Tgt Ion: 69 Resp: 332998

Ion Ratio Lower Upper

69 100

41 86.4 68.4 102.6

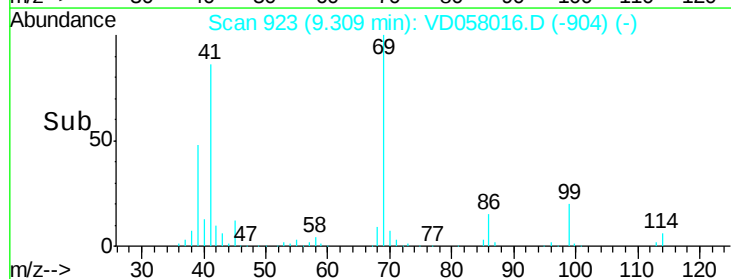
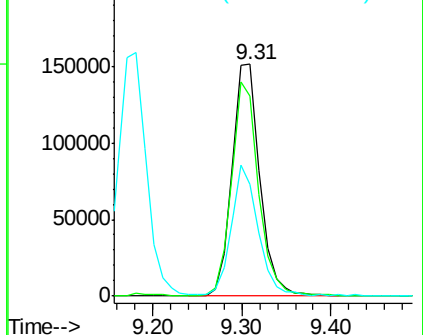
39 48.5 43.0 64.4

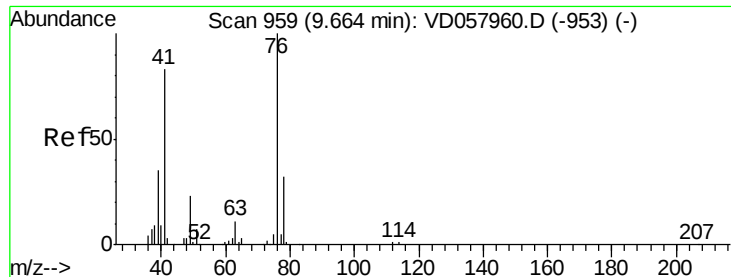


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.43 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

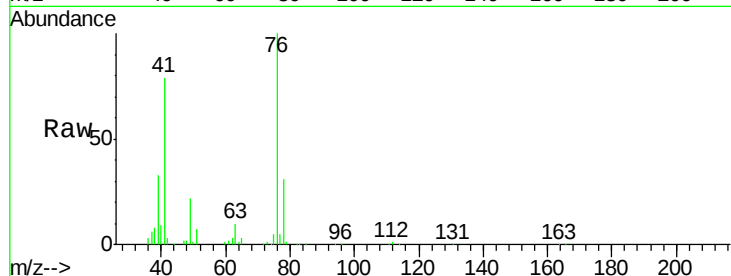
S39-0177MS

Tot Ion: 76 Resp: 479061

Ion Ratio Lower Upper

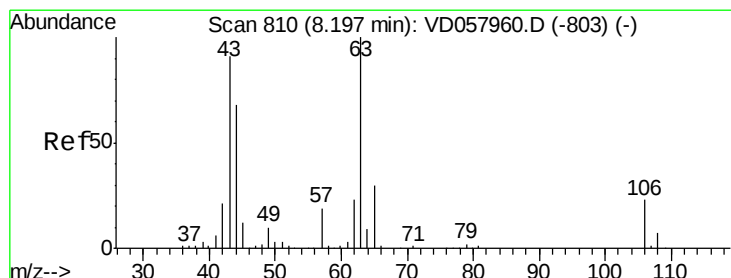
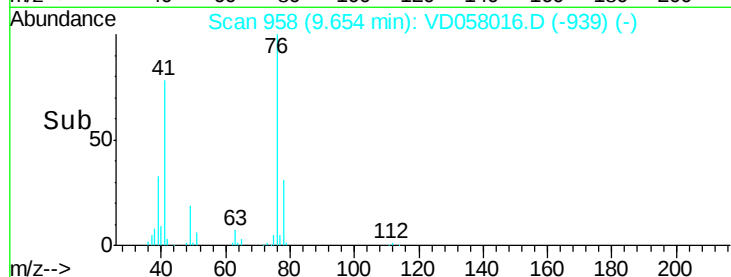
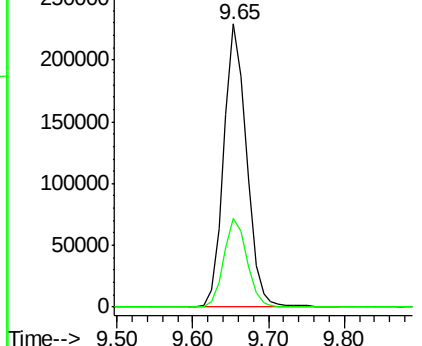
76 100

78 31.4 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: 247.29 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058016.D

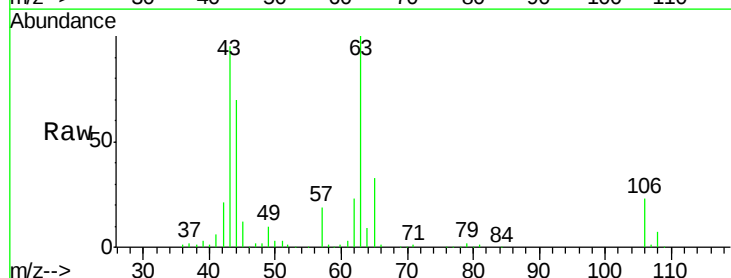
Acq: 8 Jun 2018 14:24

Tgt Ion: 63 Resp: 813948

Ion Ratio Lower Upper

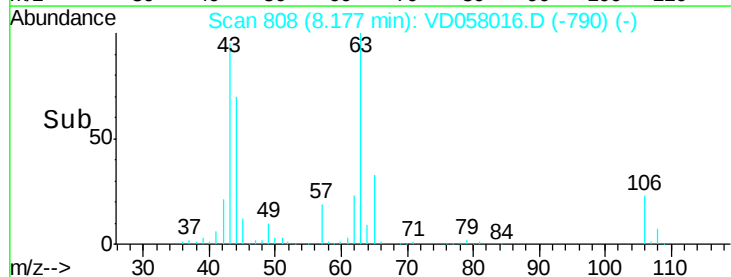
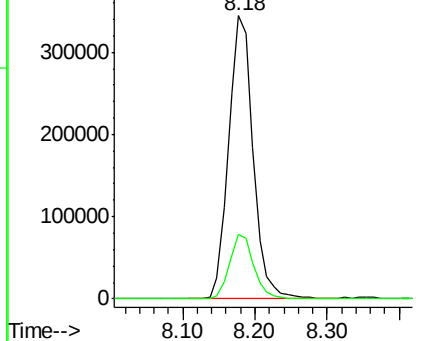
63 100

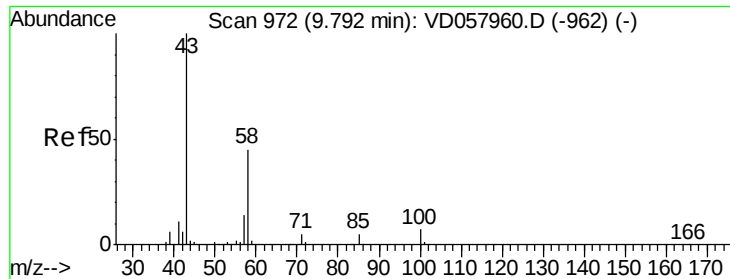
106 23.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

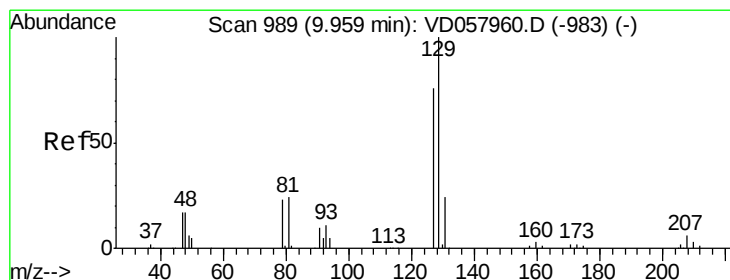
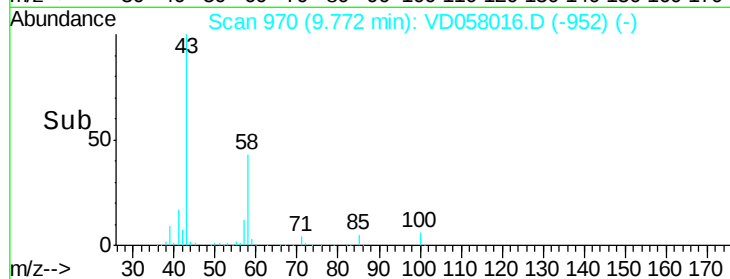
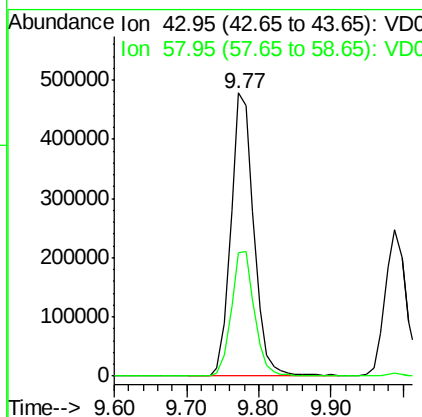
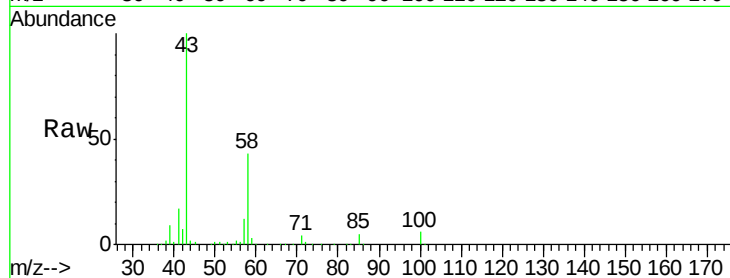




#59
2-Hexanone
Concen: 257.39 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

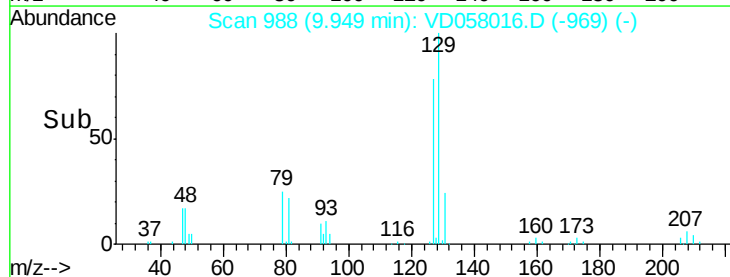
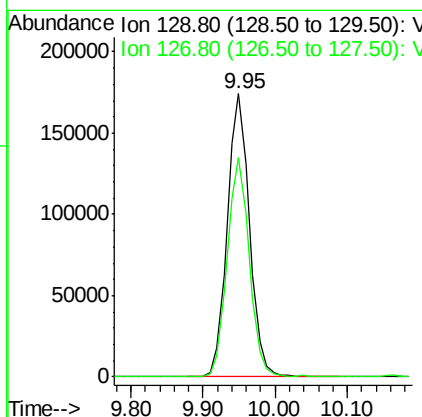
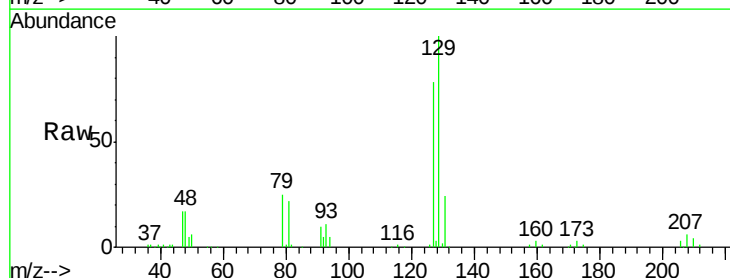
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

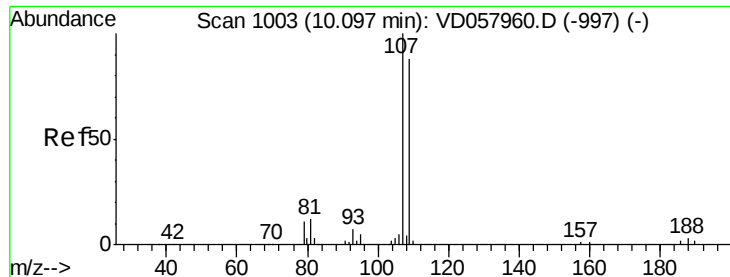
Tot Ion: 43 Resp: 1058417
Ion Ratio Lower Upper
43 100
58 43.4 22.5 67.5



#60
Dibromochloromethane
Concen: 49.73 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 129 Resp: 372439
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.59 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

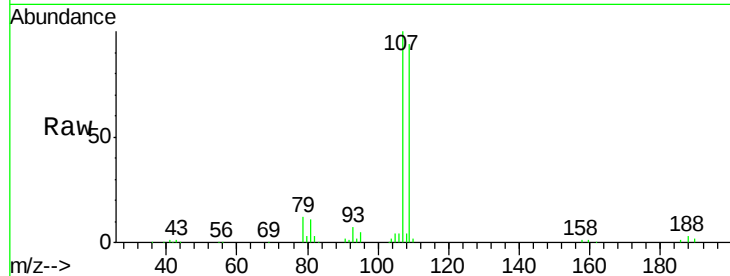
S39-0177MS

Tot Ion:107 Resp: 296748

Ion Ratio Lower Upper

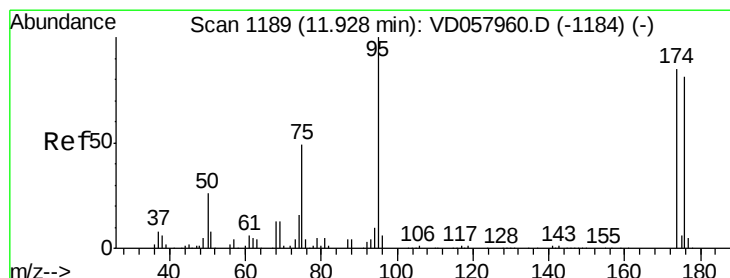
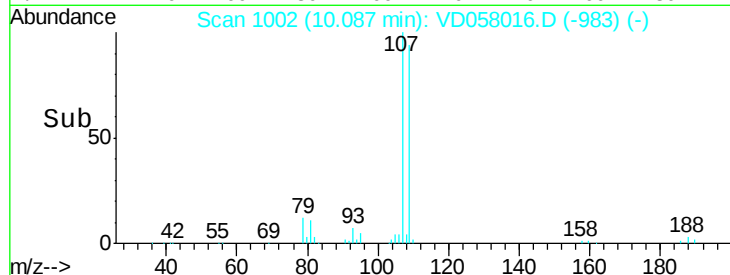
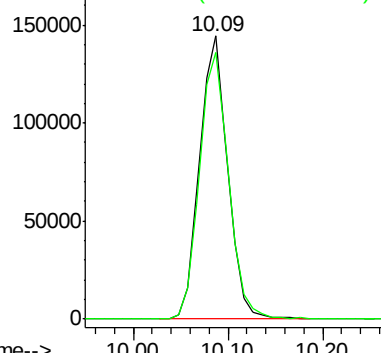
107 100

109 94.1 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: 48.59 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

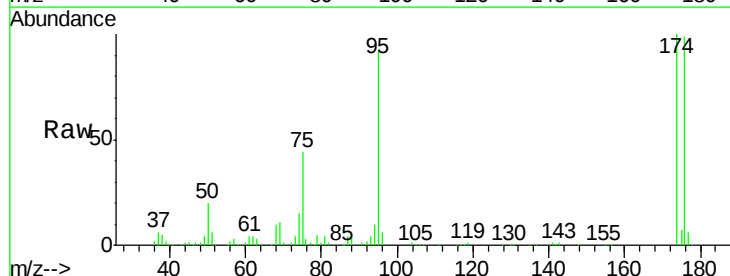
Tgt Ion: 95 Resp: 314301

Ion Ratio Lower Upper

95 100

174 109.0 0.0 169.4

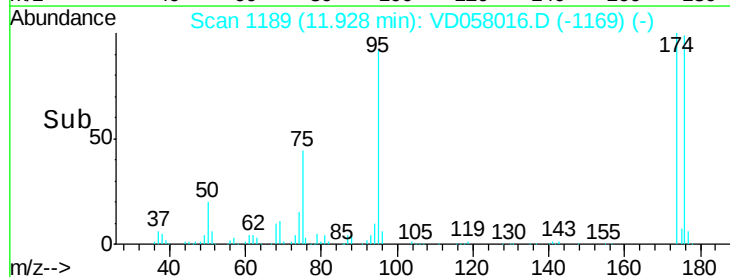
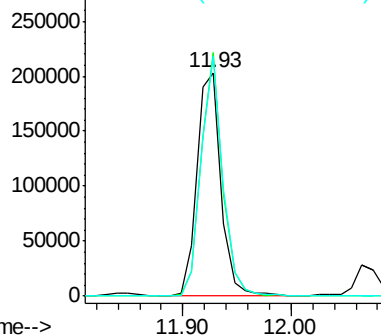
176 107.4 0.0 162.6

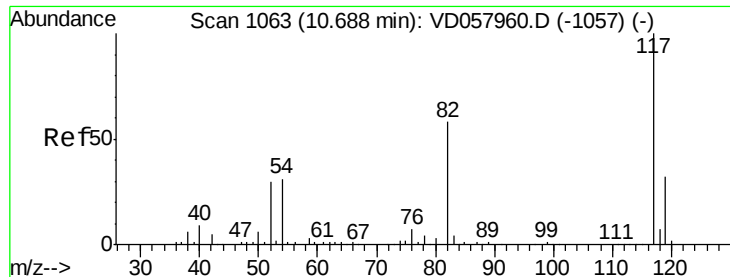


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

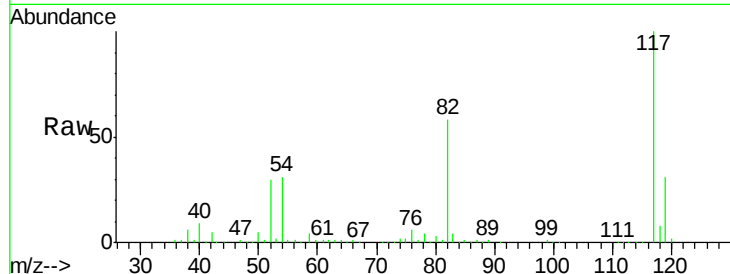




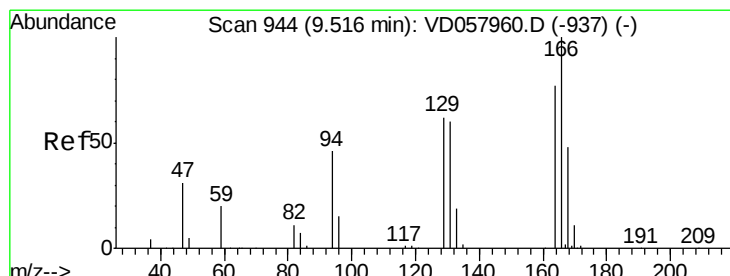
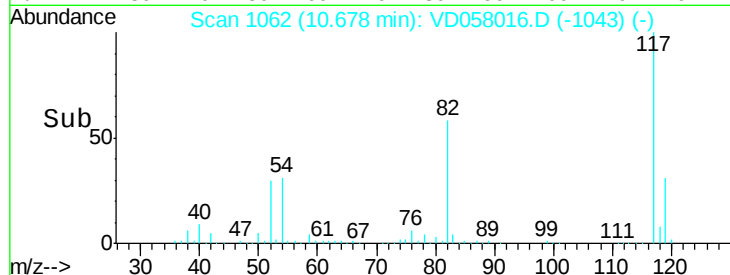
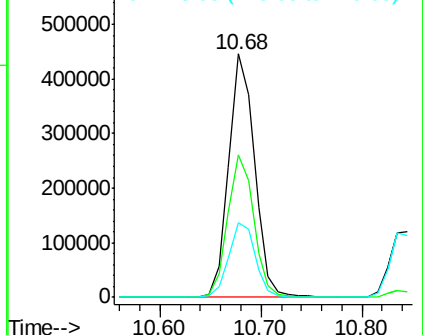
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:117 Resp: 794050
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 30.7 25.8 38.6

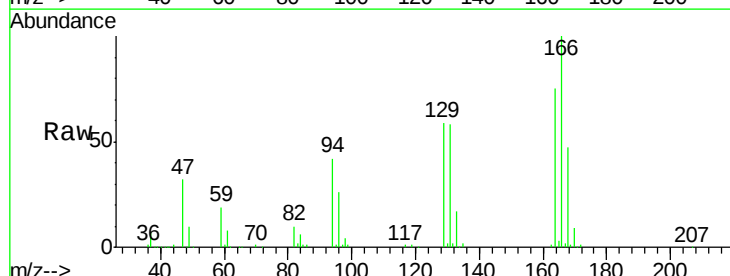


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

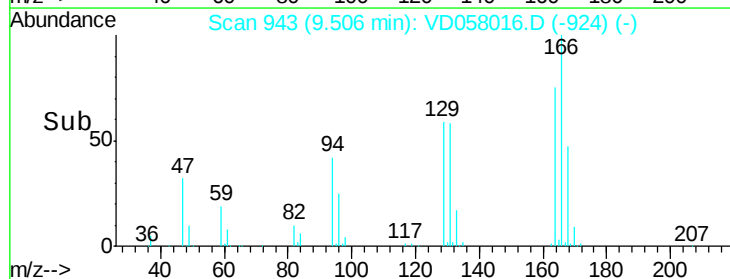
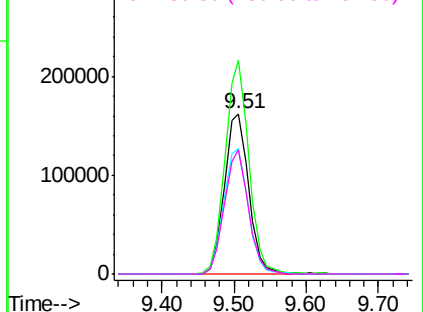


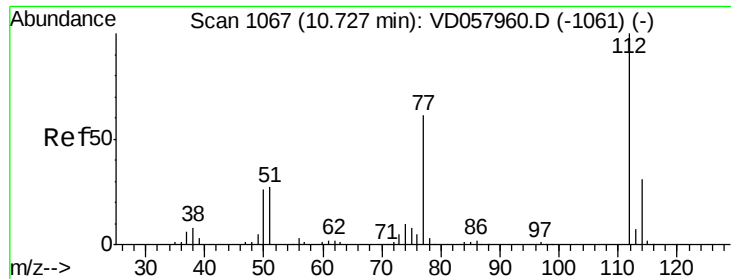
#64
Tetrachloroethene
Concen: 53.26 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:164 Resp: 378115
Ion Ratio Lower Upper
164 100
166 133.2 104.4 156.6
129 78.2 65.0 97.6
131 77.4 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

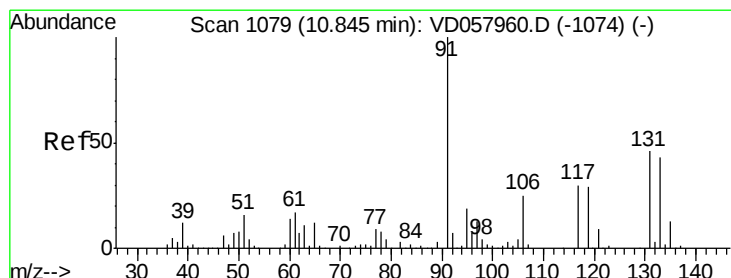
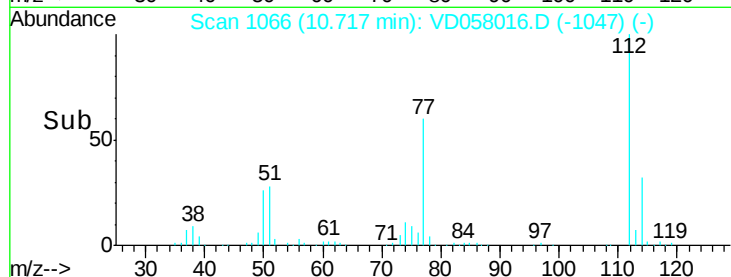
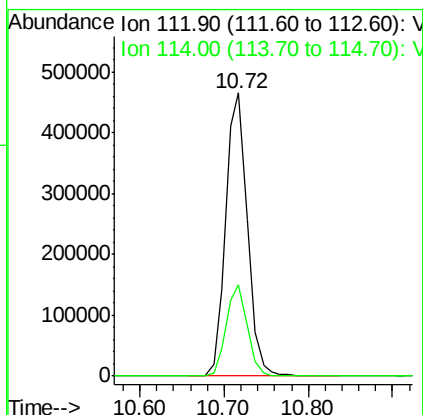
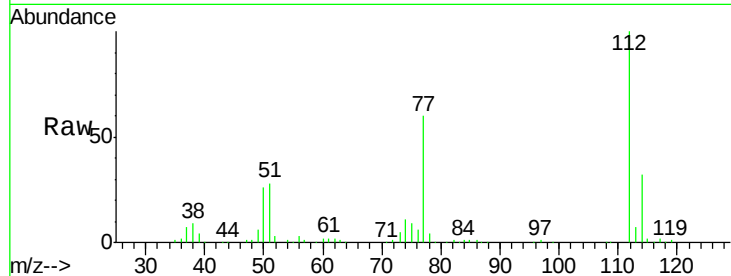




#65
Chlorobenzene
Concen: 51.66 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

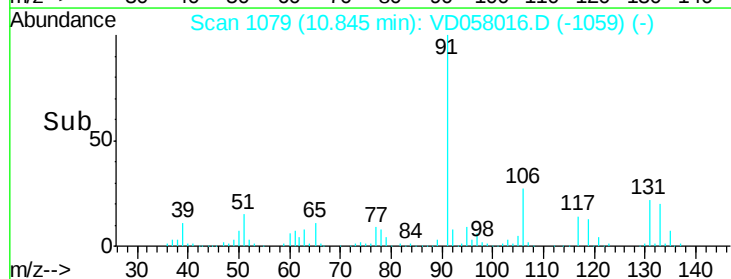
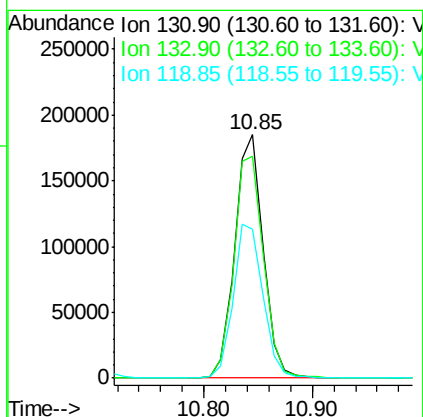
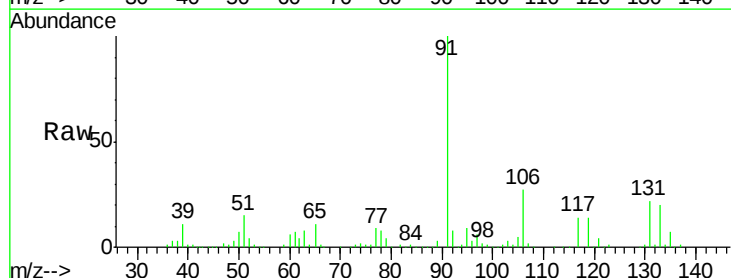
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

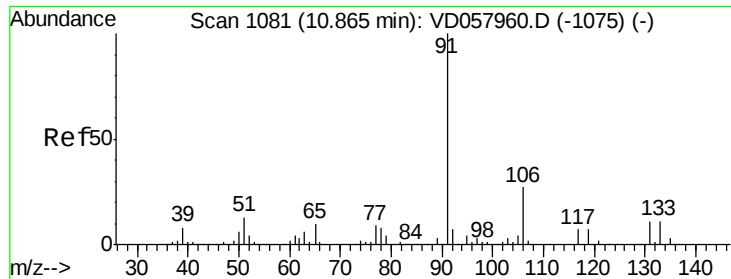
Tot Ion:112 Resp: 830405
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.69 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:131 Resp: 337760
Ion Ratio Lower Upper
131 100
133 91.3 46.9 140.6
119 61.1 31.8 95.3





#67

Ethyl Benzene

Concen: 52.71 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

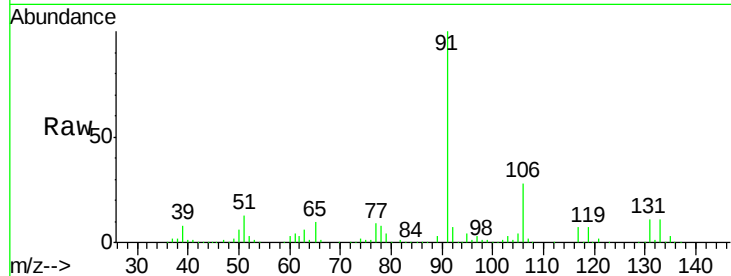
S39-0177MS

Tot Ion: 91 Resp: 1530752

Ion Ratio Lower Upper

91 100

106 27.8 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

10.85

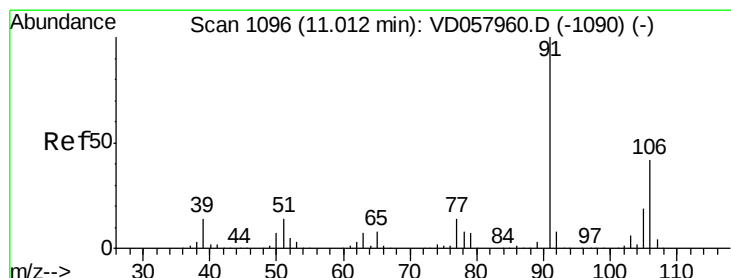
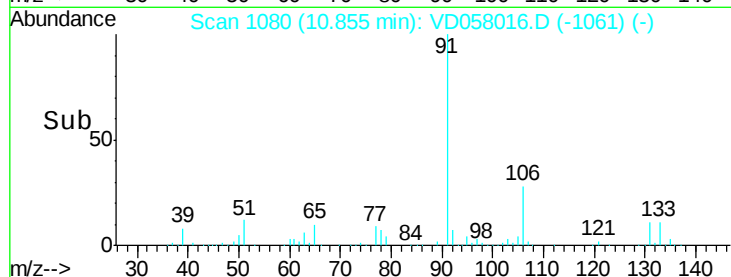
800000

600000

400000

200000

Time-->



#68

m/p-Xylenes

Concen: 101.78 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD058016.D

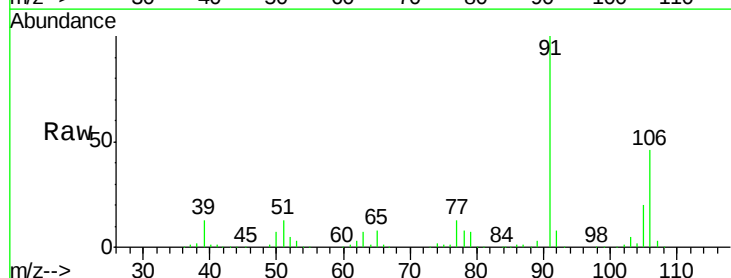
Acq: 8 Jun 2018 14:24

Tgt Ion: 106 Resp: 963604

Ion Ratio Lower Upper

106 100

91 218.8 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.01

1000000

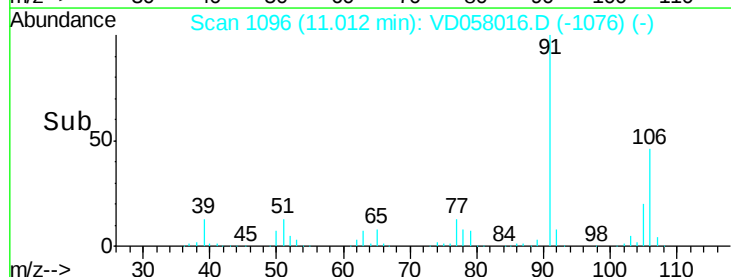
800000

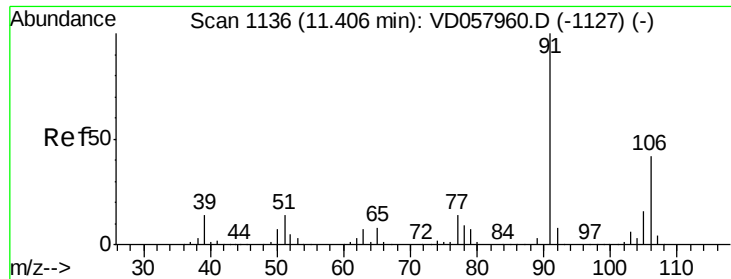
600000

400000

200000

Time-->

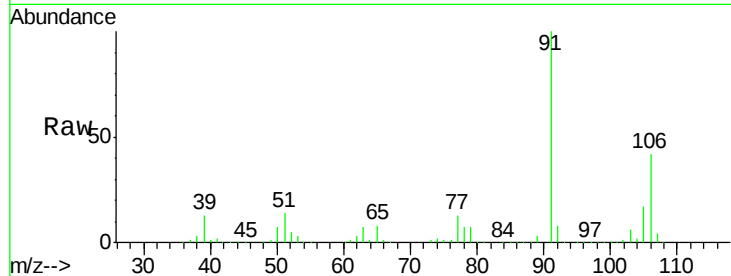




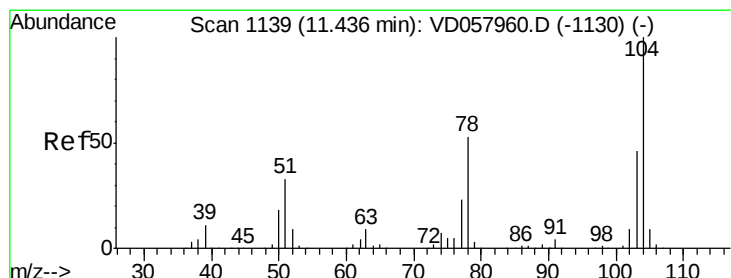
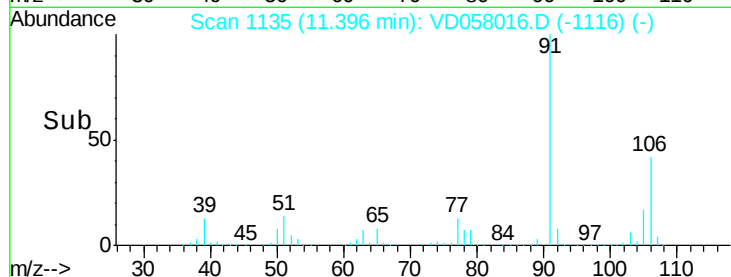
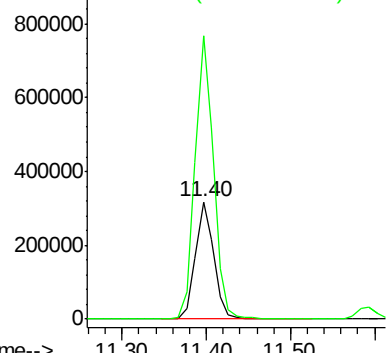
#69
o-Xylene
Concen: 51.02 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:106 Resp: 479440
Ion Ratio Lower Upper
106 100
91 240.9 120.6 361.7

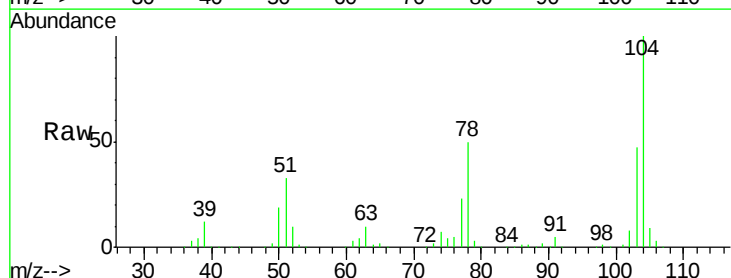


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

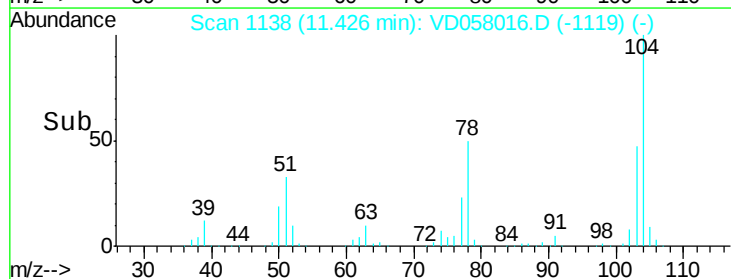
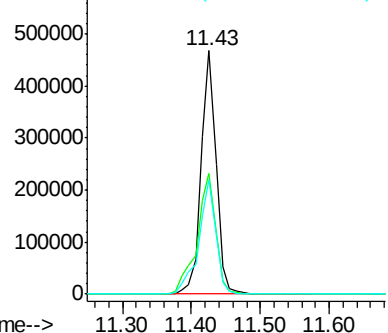


#70
Styrene
Concen: 45.23 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:104 Resp: 703613
Ion Ratio Lower Upper
104 100
78 49.7 42.1 63.1
103 47.0 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

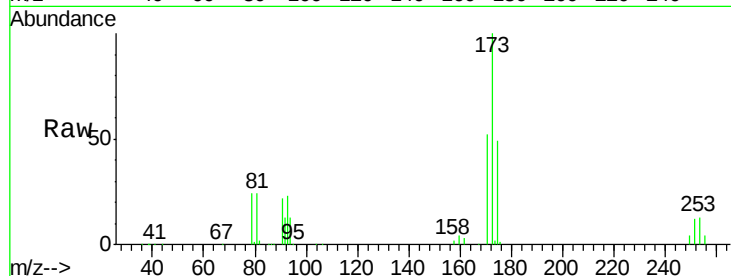




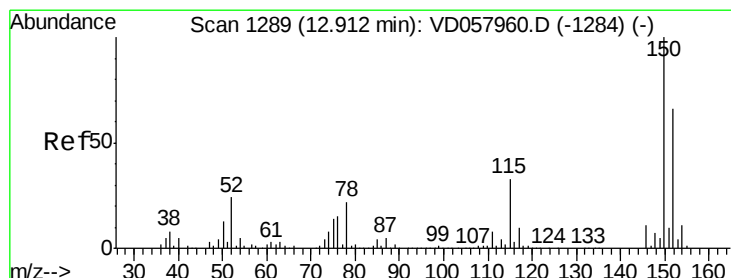
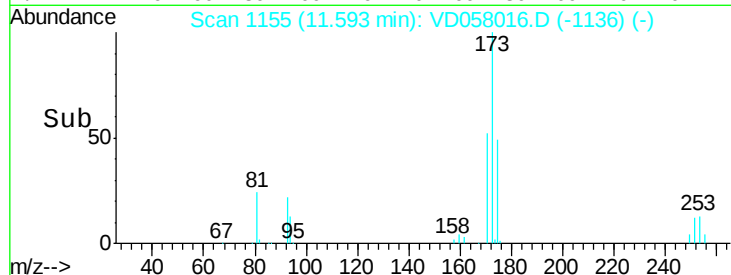
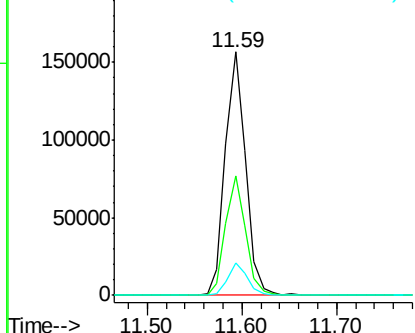
#71
Bromoform
Concen: 50.48 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:173 Resp: 234527
Ion Ratio Lower Upper
173 100
175 49.0 25.1 75.2
254 13.3 10.7 16.1

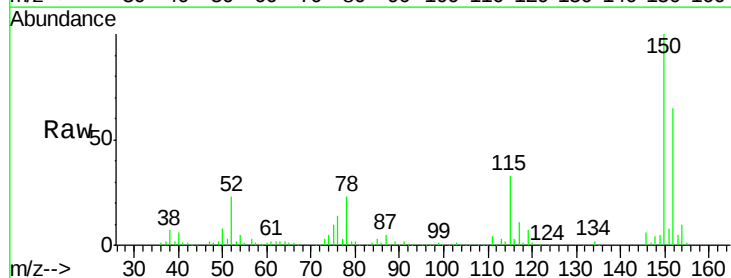


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

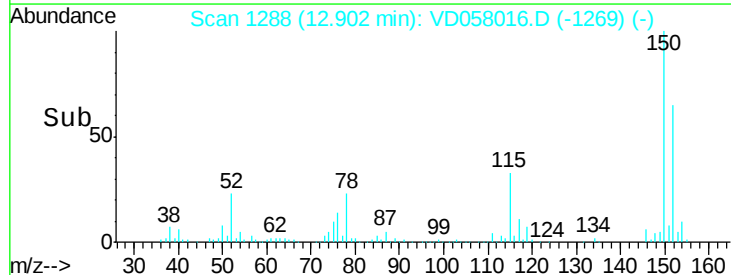
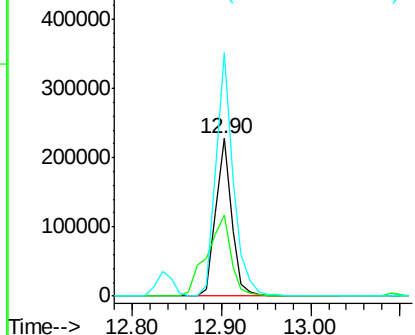


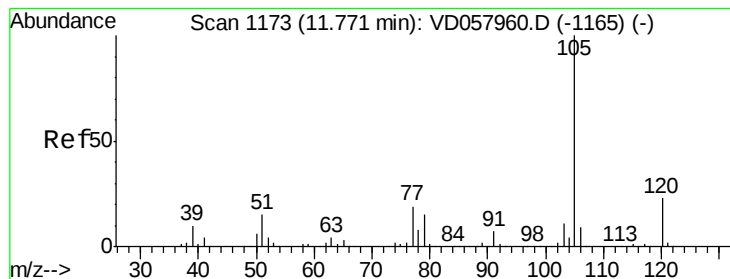
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:152 Resp: 286028
Ion Ratio Lower Upper
152 100
115 51.2 25.6 76.6
150 154.5 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: 72.24 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

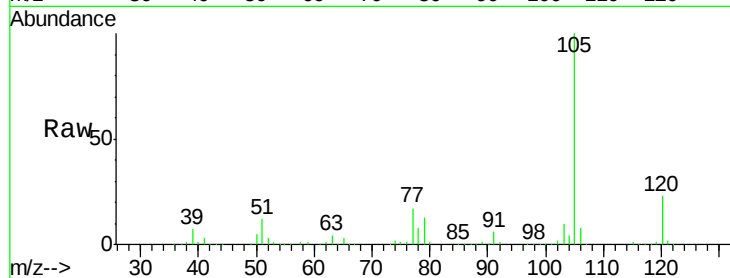
S39-0177MS

Tot Ion:105 Resp: 1368669

Ion Ratio Lower Upper

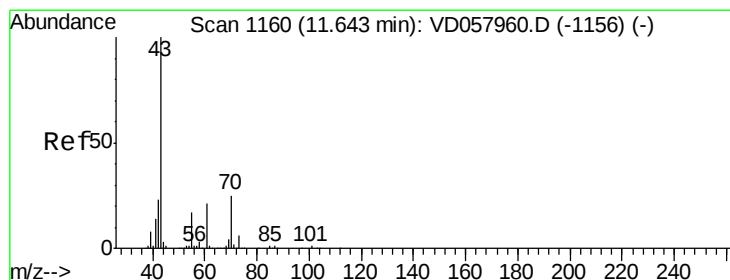
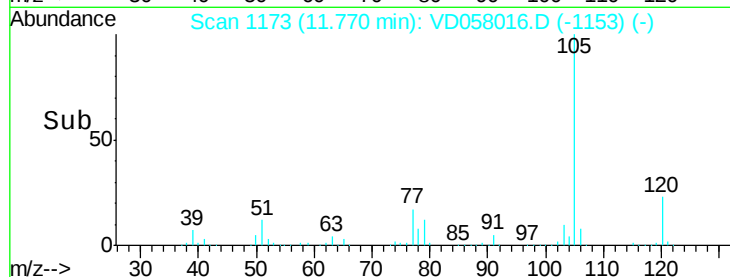
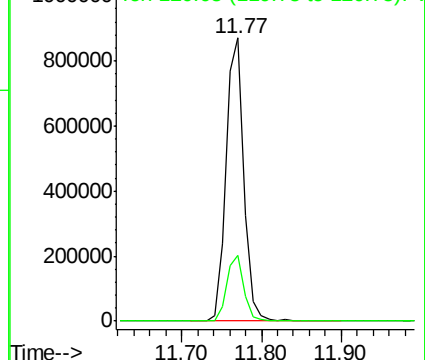
105 100

120 23.2 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: 72.74 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Tgt Ion: 43 Resp: 531724

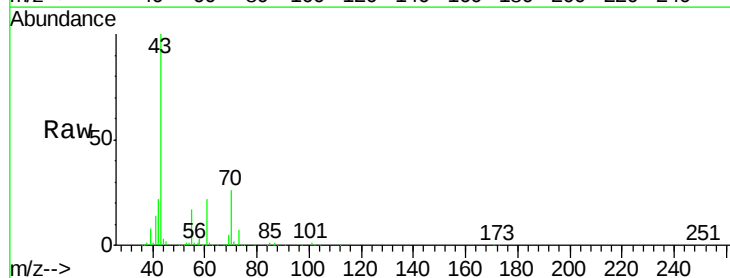
Ion Ratio Lower Upper

43 100

70 25.7 20.3 30.5

55 17.5 13.9 20.9

61 22.5 16.6 24.8

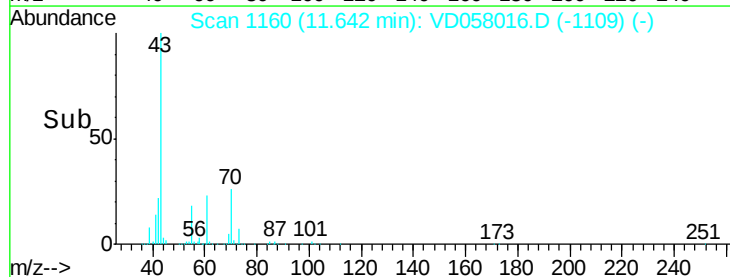
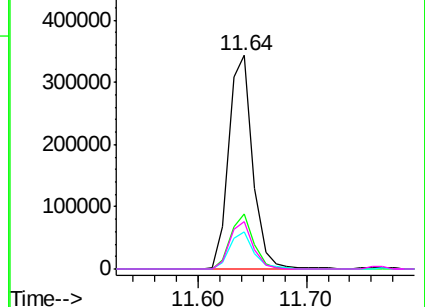


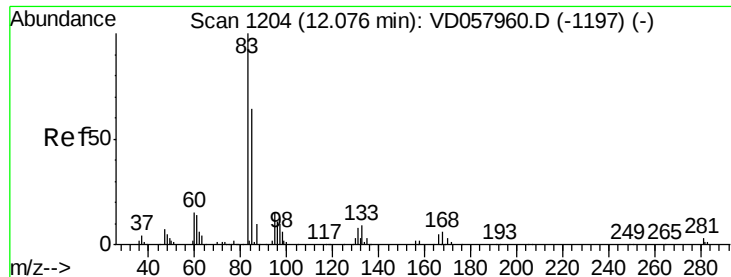
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 70.51 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

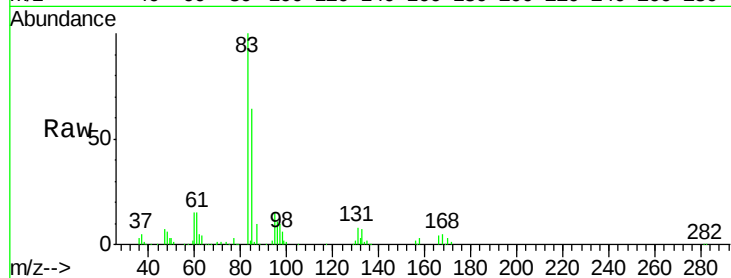
Tot Ion: 83 Resp: 291240

Ion	Ratio	Lower	Upper
83	100		
131	7.7	4.2	12.6
85	63.6	31.9	95.5

83 100

131 7.7 4.2 12.6

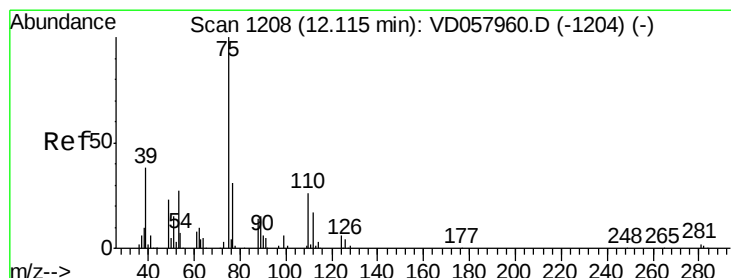
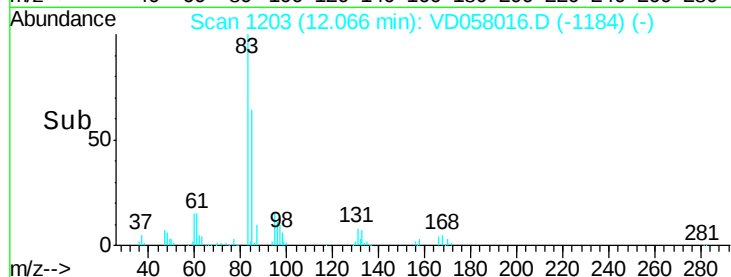
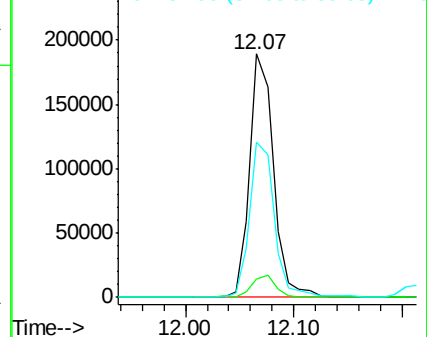
85 63.6 31.9 95.5



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: 73.64 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058016.D

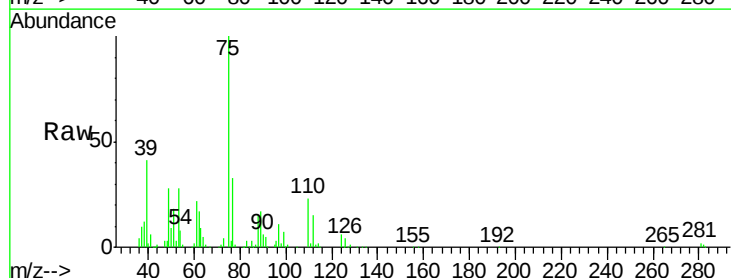
Acq: 8 Jun 2018 14:24

Tgt Ion: 75 Resp: 316385

Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.7	50.1

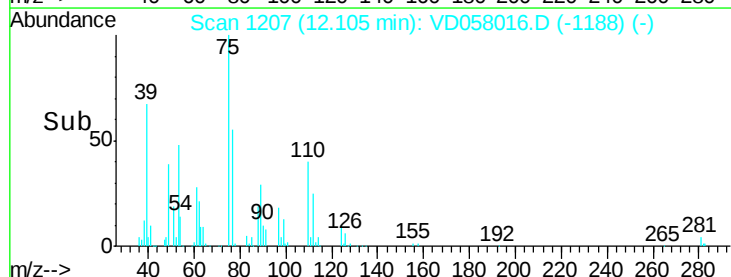
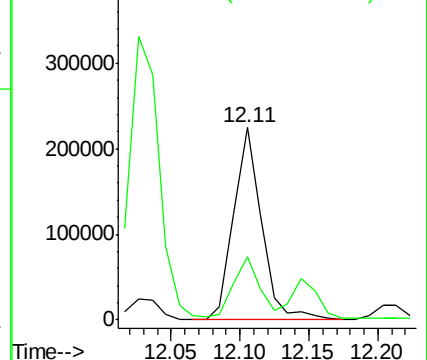
75 100

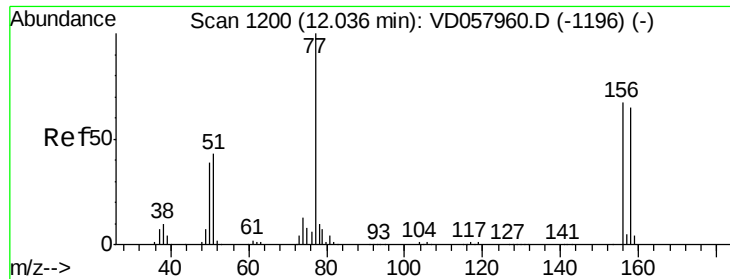
77 32.5 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 62.08 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

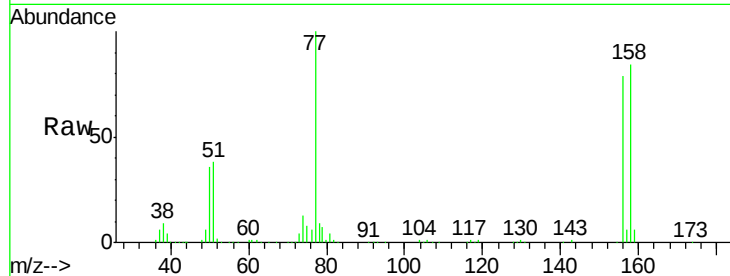
Tot Ion:156 Resp: 348107

Ion Ratio Lower Upper

156 100

77 126.1 75.0 224.8

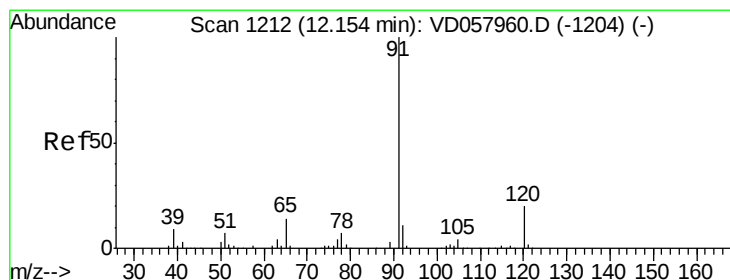
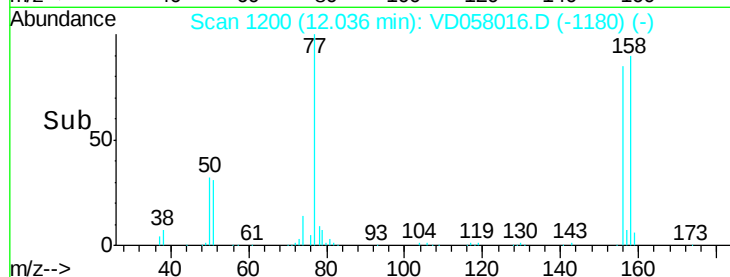
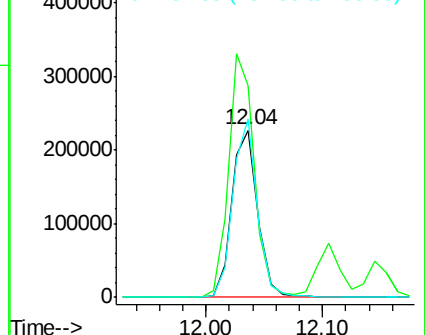
158 106.3 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 62.56 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058016.D

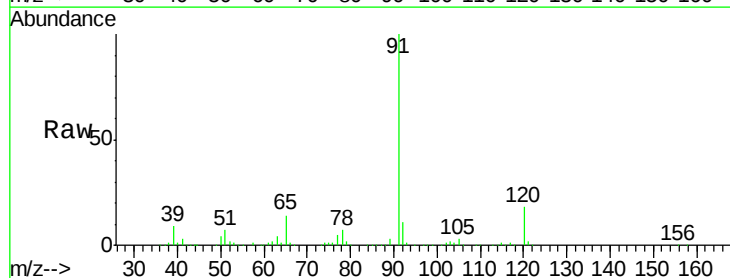
Acq: 8 Jun 2018 14:24

Tgt Ion: 91 Resp: 1542334

Ion Ratio Lower Upper

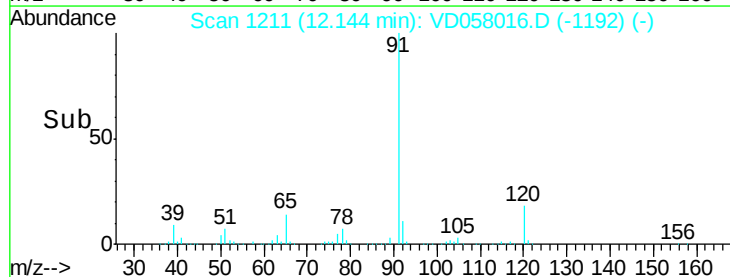
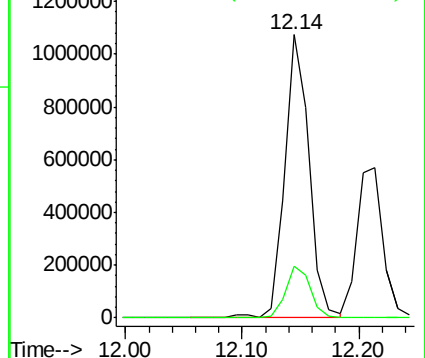
91 100

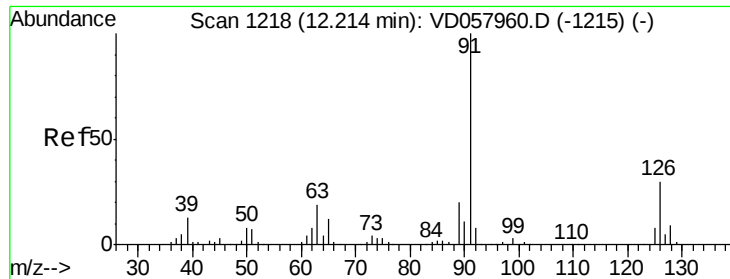
120 18.2 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 62.16 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

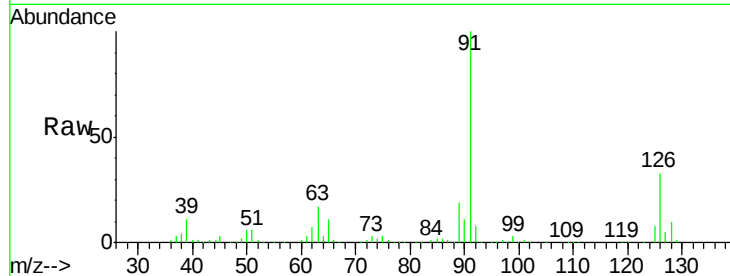
S39-0177MS

Tot Ion: 91 Resp: 874186

Ion Ratio Lower Upper

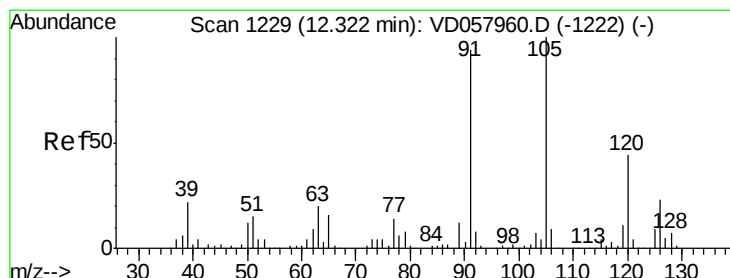
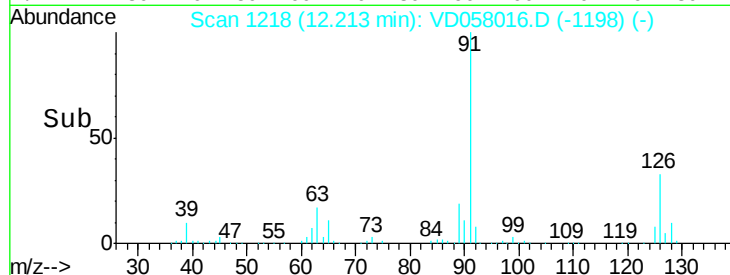
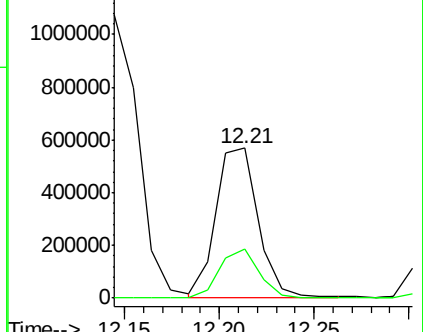
91 100

126 32.6 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: 61.58 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058016.D

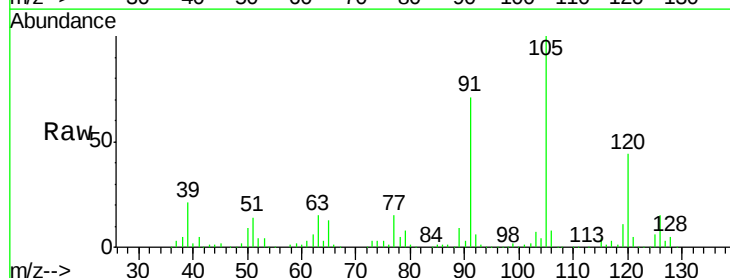
Acq: 8 Jun 2018 14:24

Tgt Ion:105 Resp: 909815

Ion Ratio Lower Upper

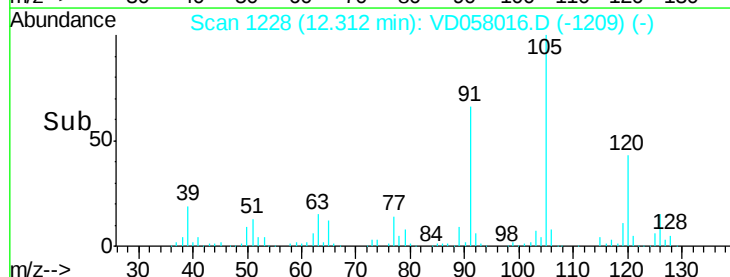
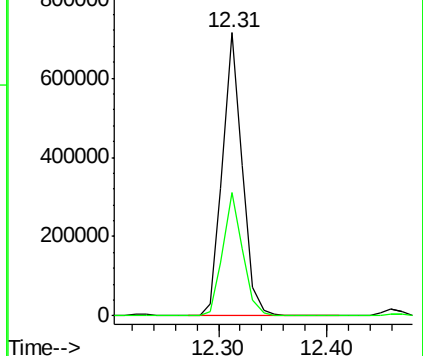
105 100

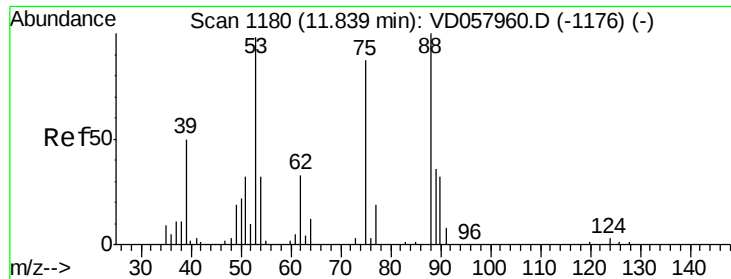
120 43.5 22.0 66.0



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: 75.24 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

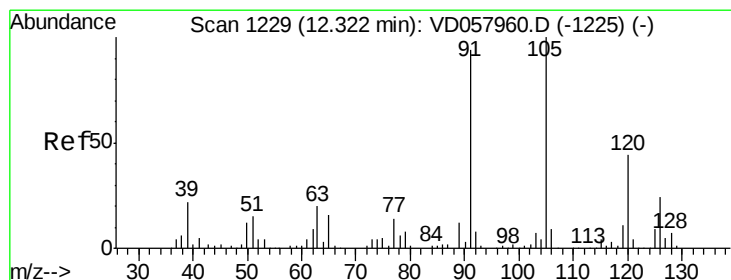
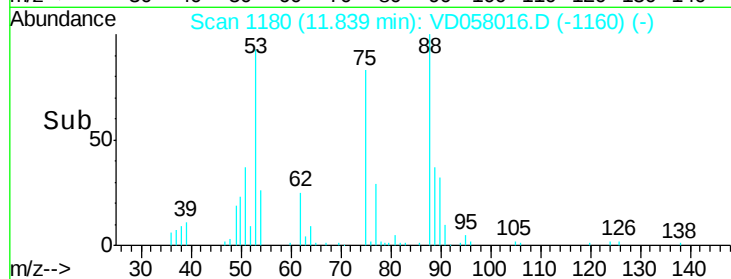
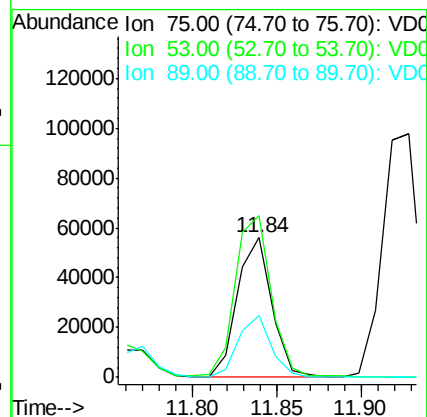
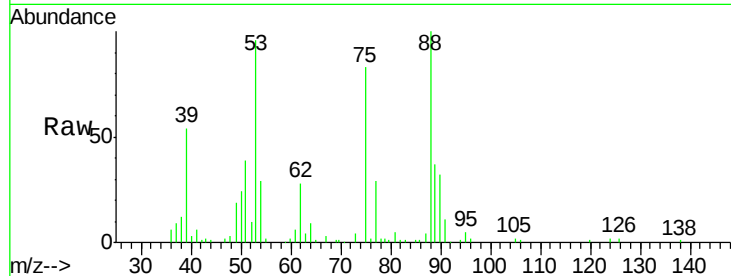
Tot Ion: 75 Resp: 80070

Ion Ratio Lower Upper

75 100

53 115.8 89.3 133.9

89 44.0 33.3 49.9



#82

4-Chlorotoluene

Concen: 67.96 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058016.D

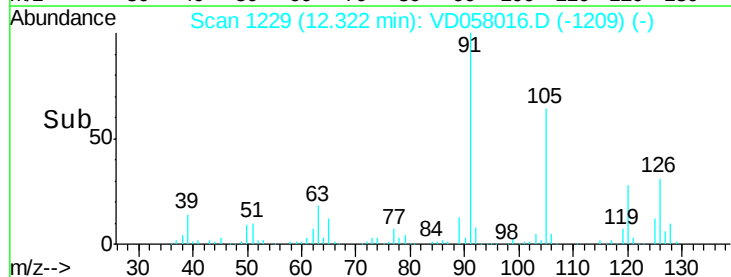
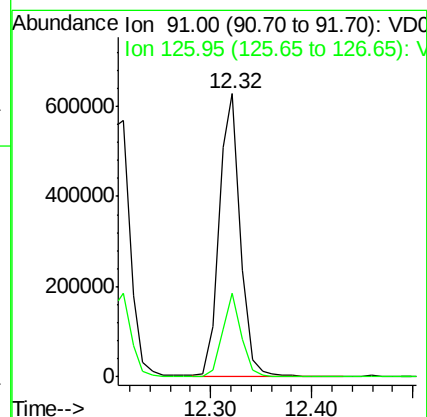
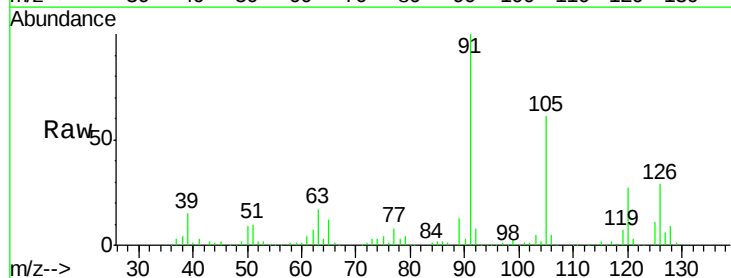
Acq: 8 Jun 2018 14:24

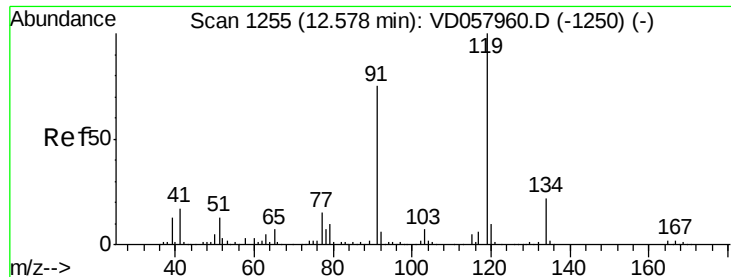
Tgt Ion: 91 Resp: 913842

Ion Ratio Lower Upper

91 100

126 29.4 12.5 37.5

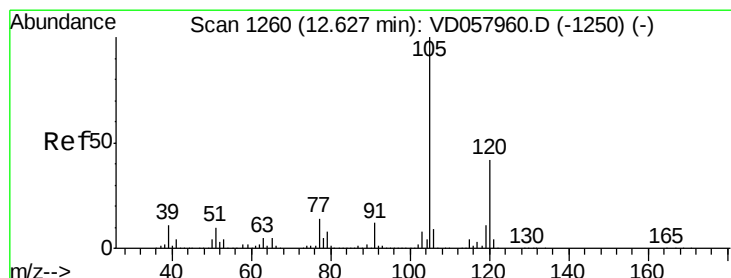
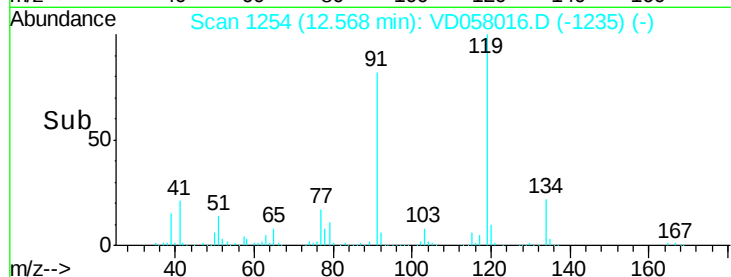
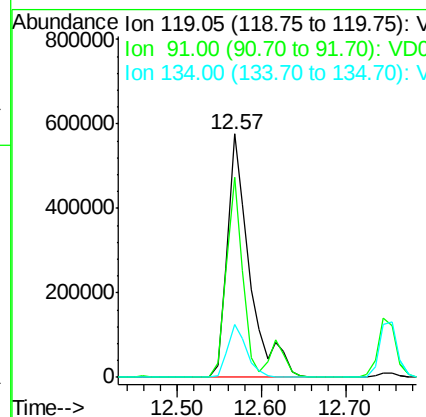
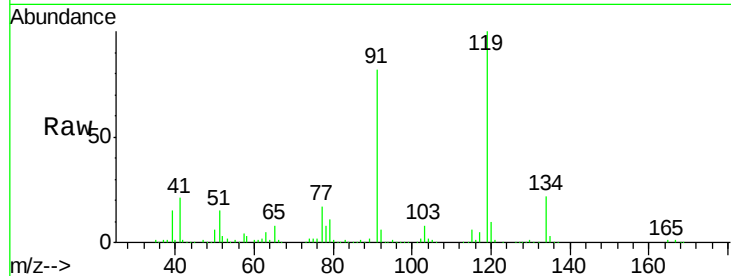




#83
tert-Butylbenzene
Concen: 63.86 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

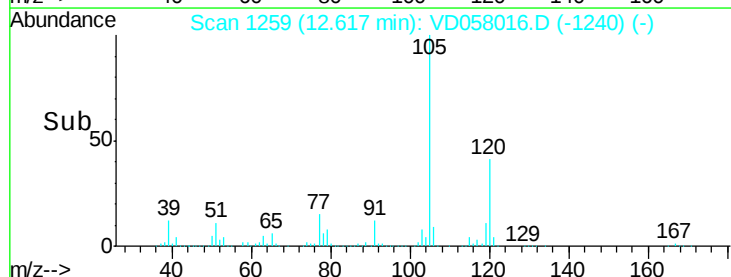
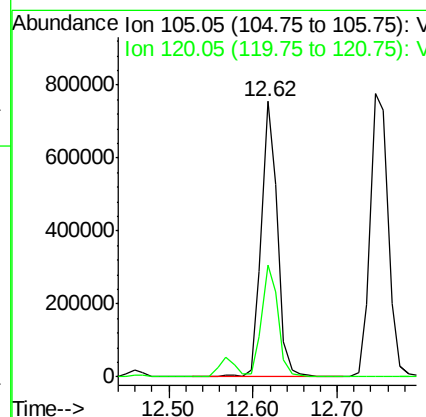
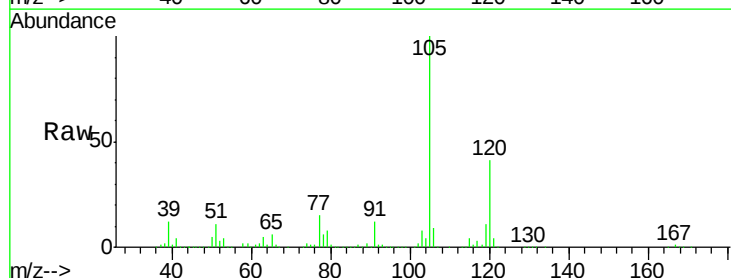
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

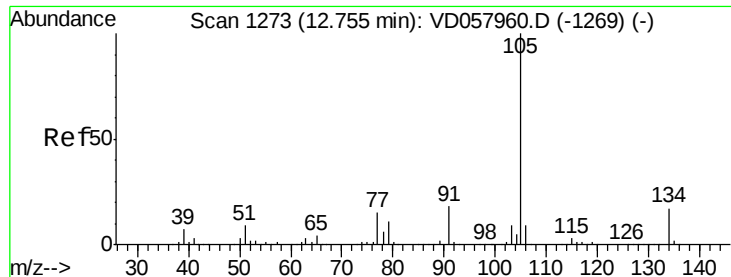
Tot Ion:119 Resp: 1065395
Ion Ratio Lower Upper
119 100
91 82.3 37.6 112.9
134 21.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 64.63 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion:105 Resp: 1026728
Ion Ratio Lower Upper
105 100
120 40.8 21.2 63.6

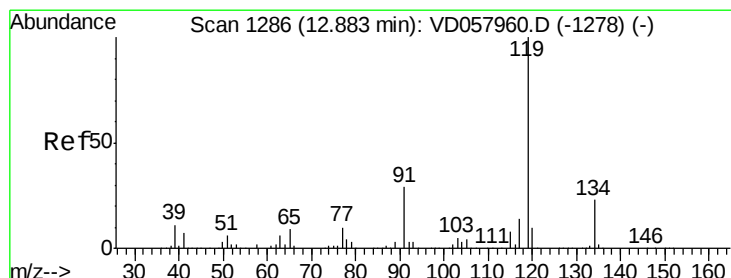
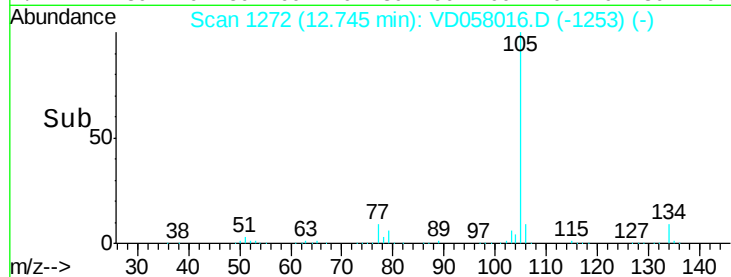
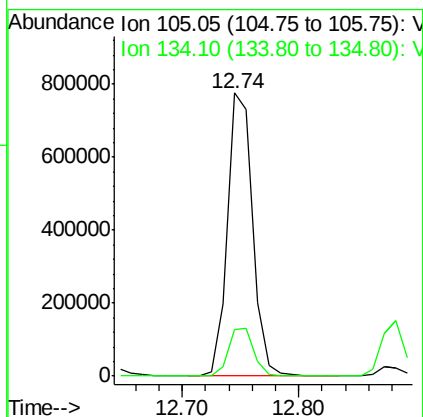
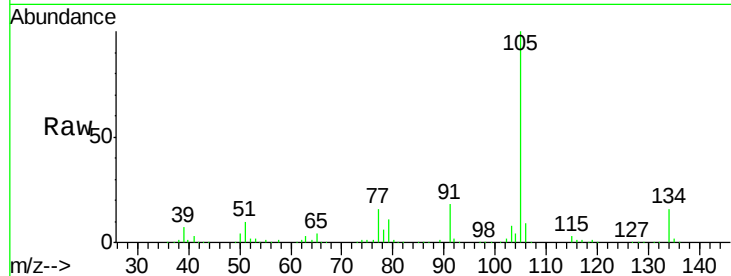




#85
 sec-Butylbenzene
 Concen: 57.46 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

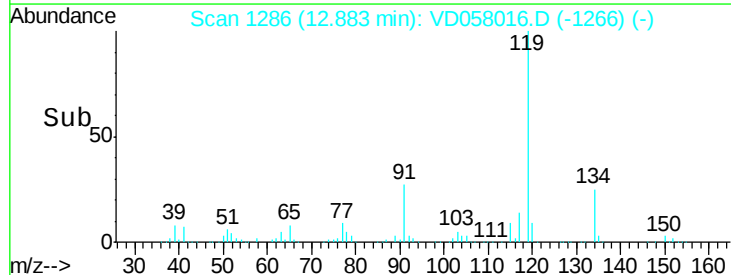
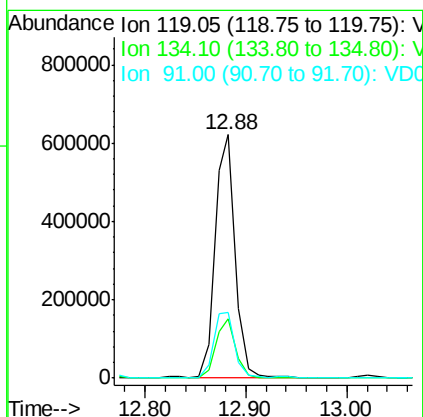
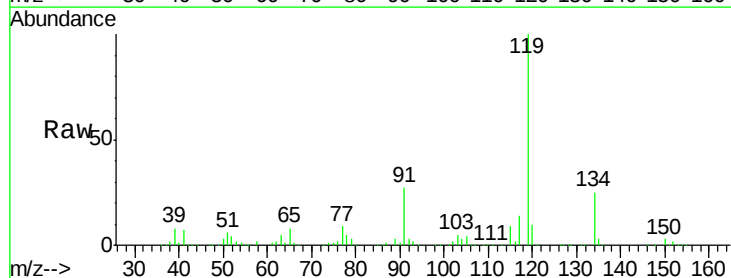
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Tot Ion:105 Resp: 1156870
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 53.21 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:119 Resp: 863452
 Ion Ratio Lower Upper
 119 100
 134 24.5 11.5 34.4
 91 27.2 14.5 43.6

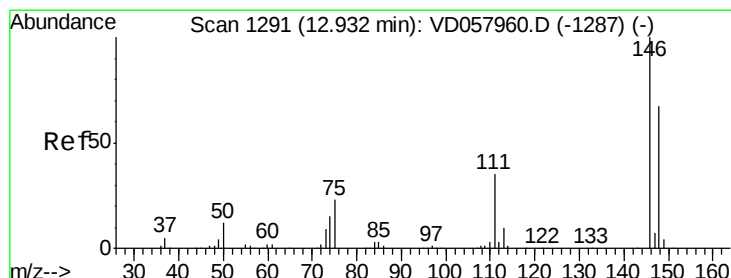
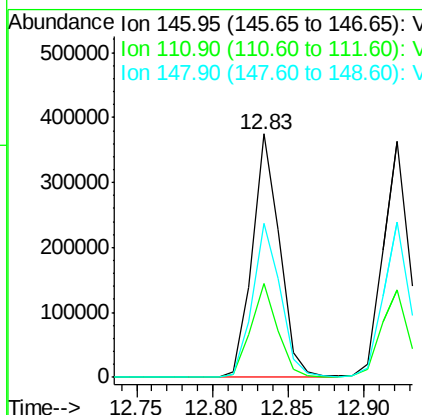
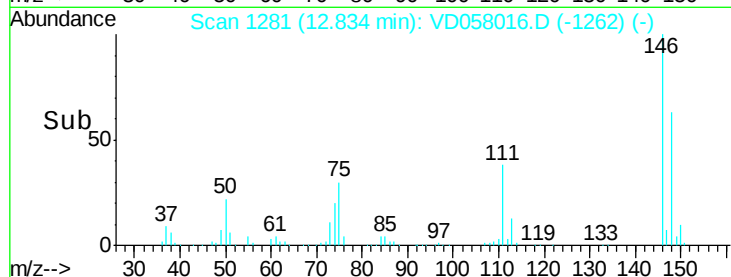
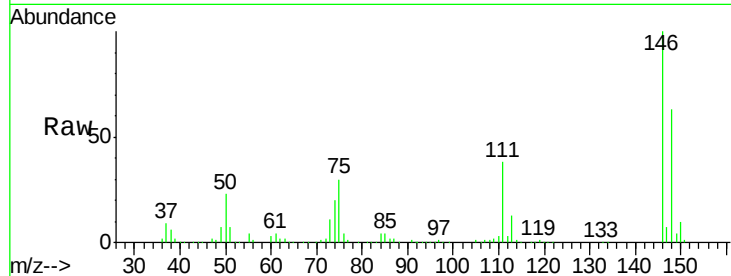




#87
 1,3-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

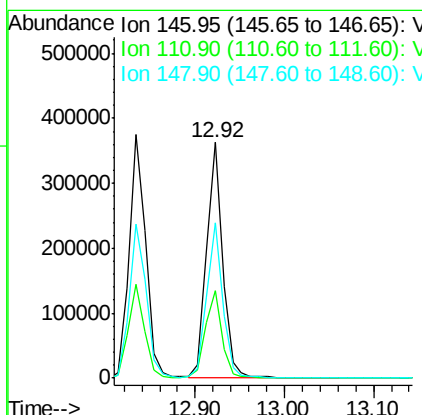
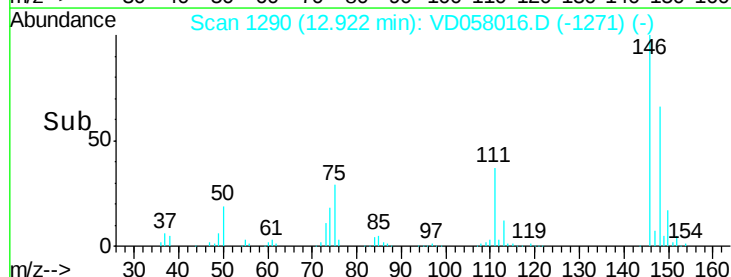
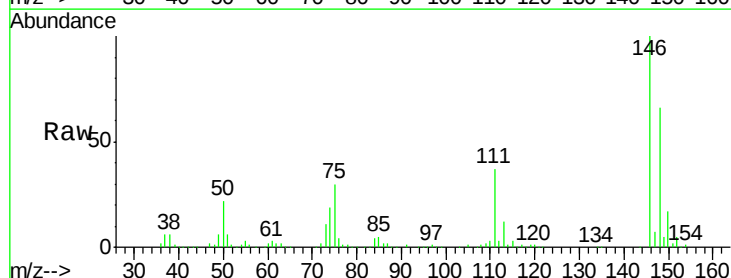
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

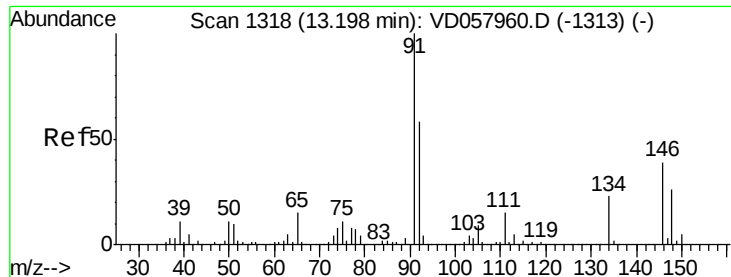
Tot Ion:146 Resp: 474320
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:146 Resp: 452243
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.3 52.0
 148 65.9 33.4 100.2

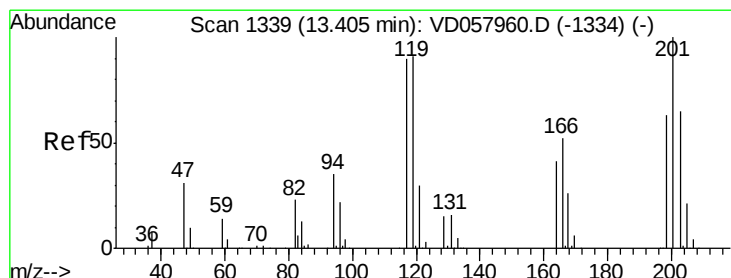
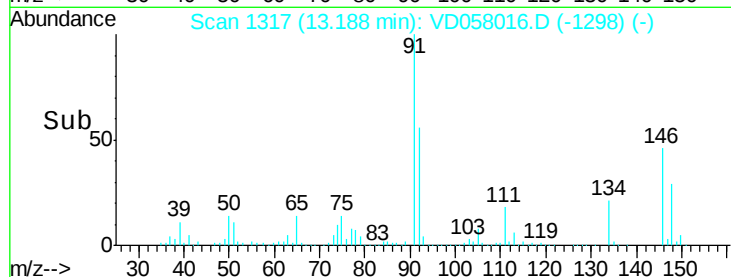
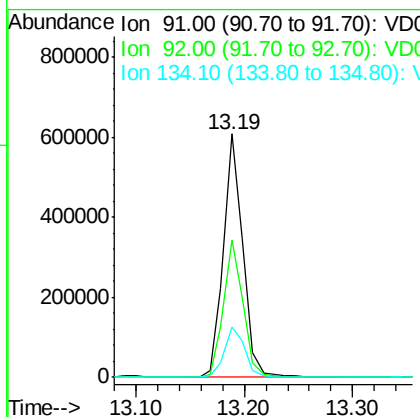
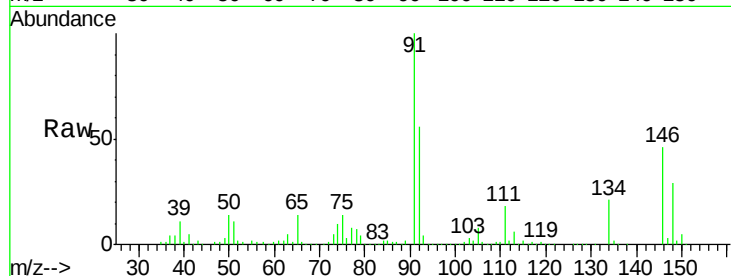




#89
n-Butylbenzene
Concen: 51.85 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

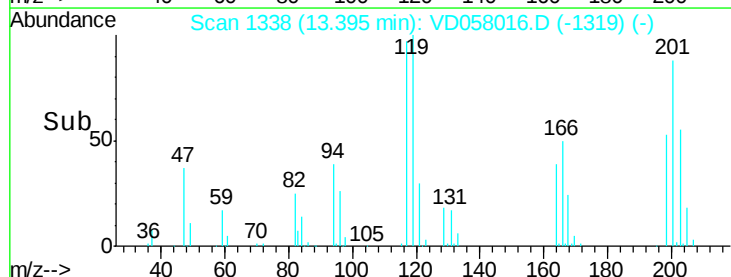
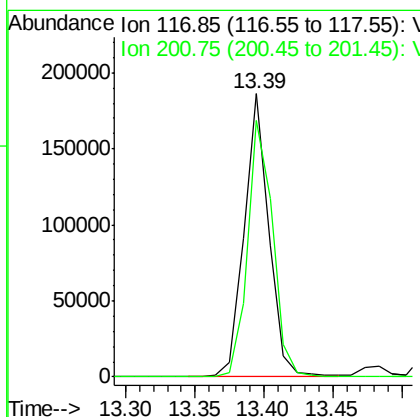
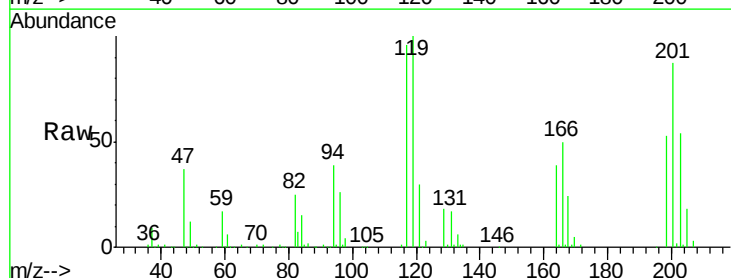
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

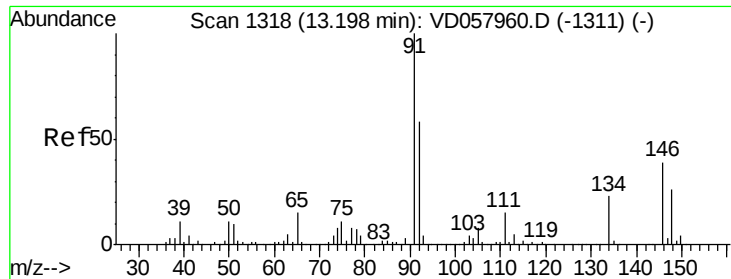
Tot Ion: 91 Resp: 755510
Ion Ratio Lower Upper
91 100
92 56.4 29.2 87.6
134 20.9 11.3 33.9



#90
Hexachloroethane
Concen: 56.35 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058016.D
Acq: 8 Jun 2018 14:24

Tgt Ion: 117 Resp: 233375
Ion Ratio Lower Upper
117 100
201 90.5 55.4 166.0

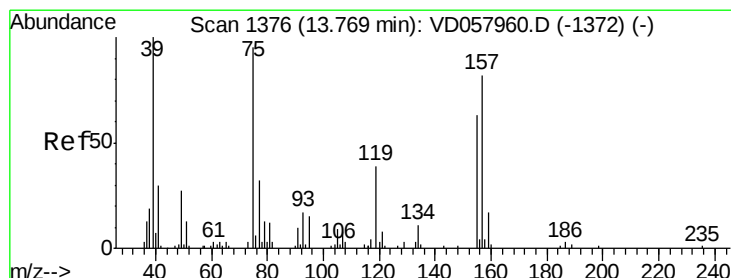
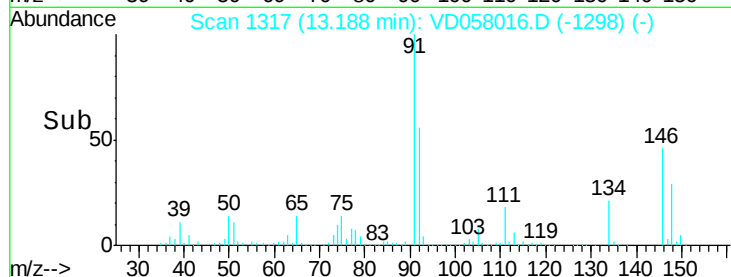
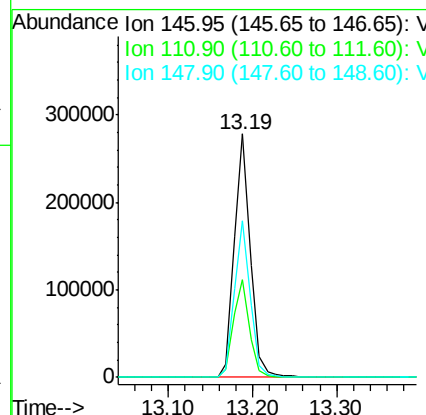
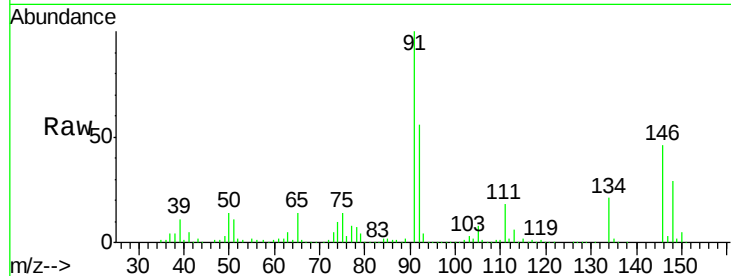




#91
 1,2-Dichlorobenzene
 Concen: 47.97 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

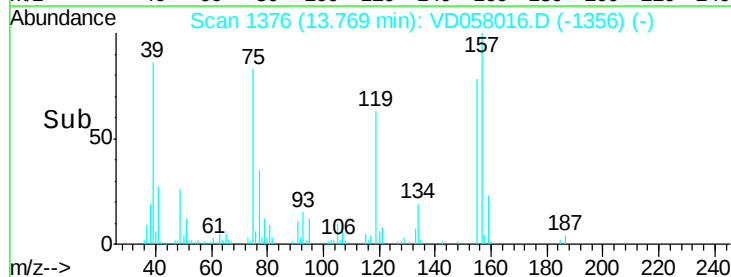
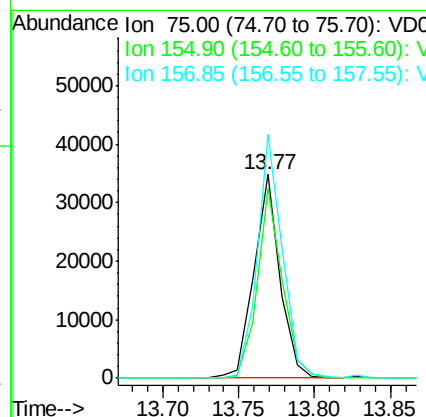
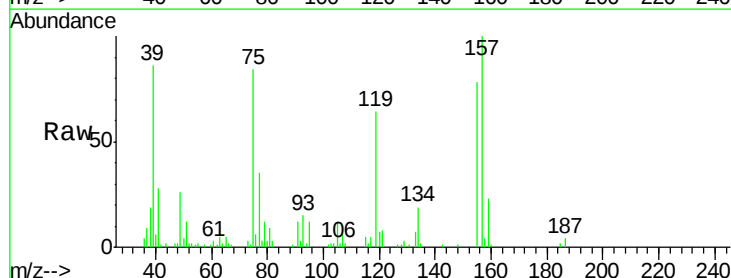
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

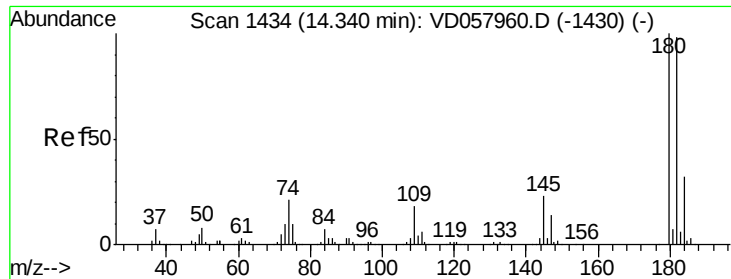
Tot Ion:146 Resp: 367722
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.4 58.2
 148 64.3 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.63 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion: 75 Resp: 41202
 Ion Ratio Lower Upper
 75 100
 155 93.5 33.4 100.1
 157 119.7 42.9 128.5

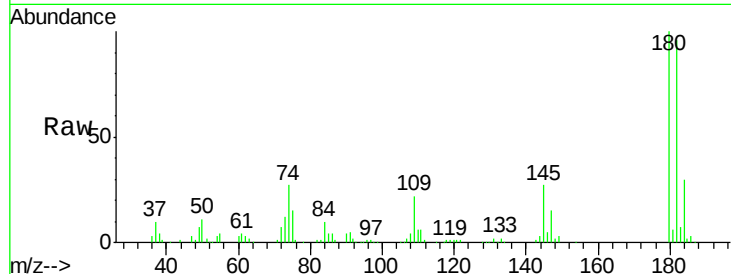




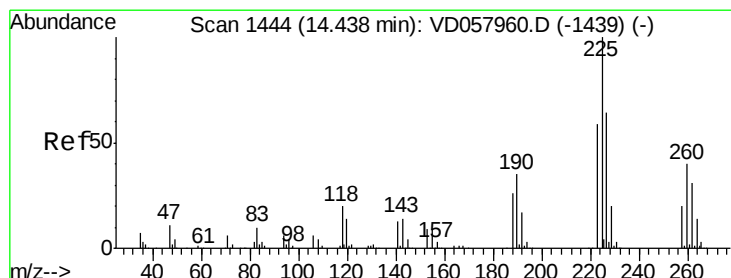
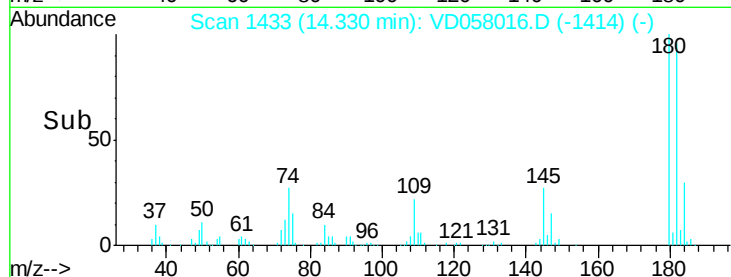
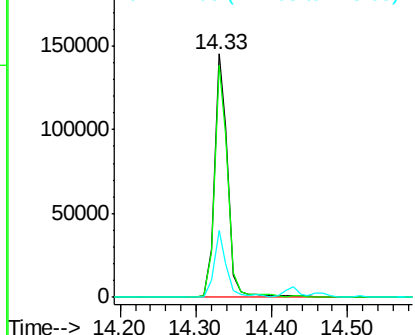
#93
 1,2,4-Trichlorobenzene
 Concen: 25.12 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Tot Ion:180 Resp: 179911
 Ion Ratio Lower Upper
 180 100
 182 95.5 49.0 147.2
 145 27.3 11.8 35.3

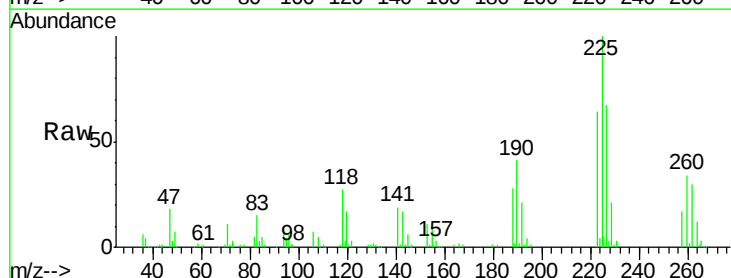


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

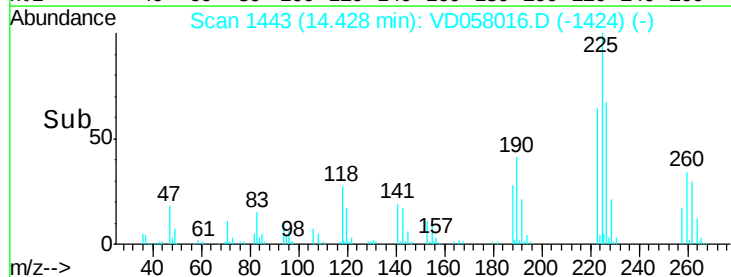
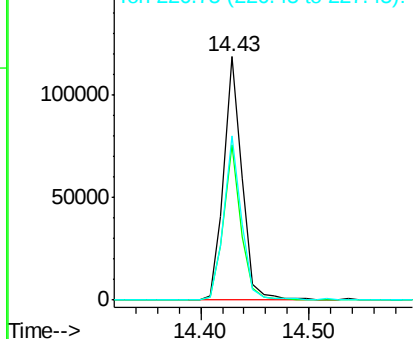


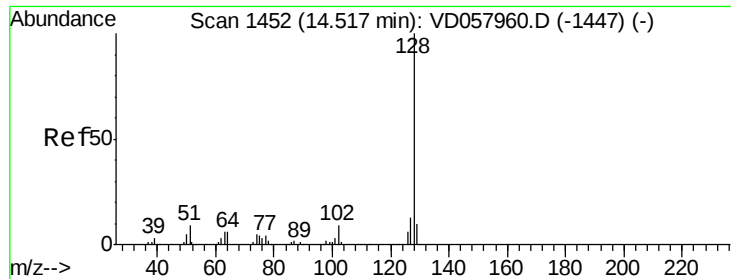
#94
 Hexachlorobutadiene
 Concen: 24.83 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058016.D
 Acq: 8 Jun 2018 14:24

Tgt Ion:225 Resp: 139866
 Ion Ratio Lower Upper
 225 100
 223 64.0 29.5 88.6
 227 67.4 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: 29.61 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

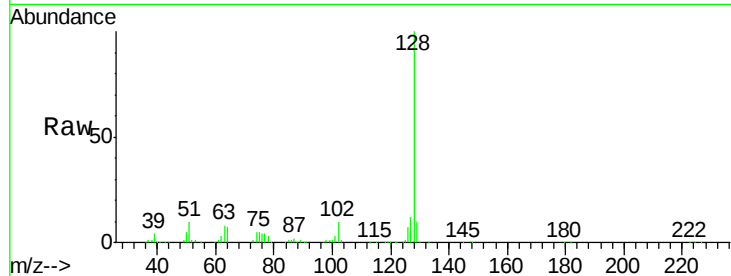
Tot Ion:128 Resp: 273442

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

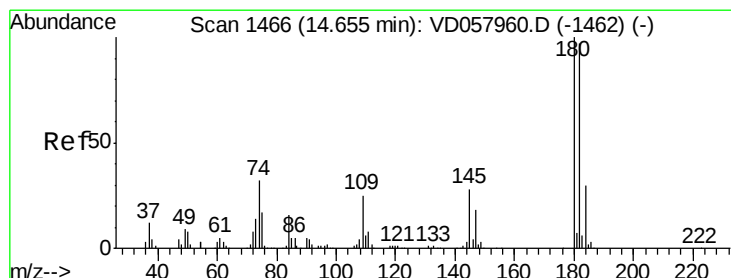
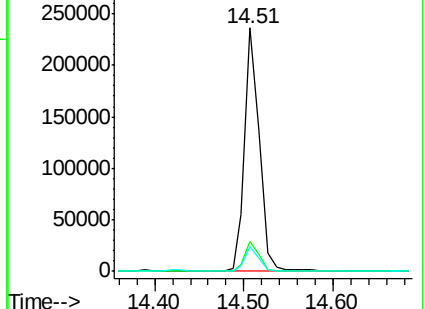
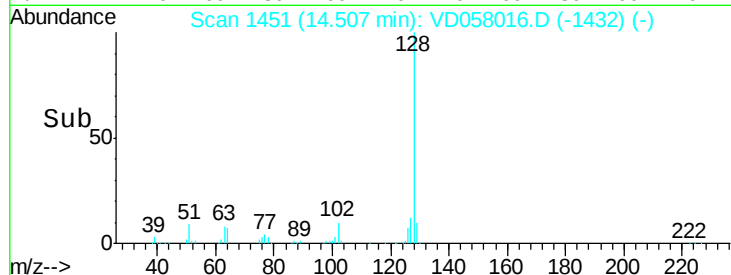
129 10.2 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.24 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058016.D

Acq: 8 Jun 2018 14:24

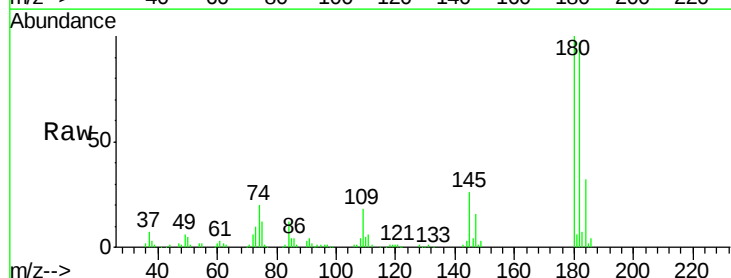
Tgt Ion:180 Resp: 129620

Ion Ratio Lower Upper

180 100

182 96.7 48.5 145.5

145 26.2 14.2 42.8



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

