

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057971.D
 Acq On : 7 Jun 2018 14:57
 Operator : JC/SY
 Sample : J3320-02MS
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Quant Time: Jun 08 06:47:43 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	911282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1174848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	845535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	308832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	379749	41.68	ug/l	0.00
Spiked Amount			Recovery	=	83.36%	
35) Dibromofluoromethane	5.55	113	446433	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.70	98	1076393	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.93	95	367684	39.00	ug/l	0.00
Spiked Amount			Recovery	=	78.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	583383	47.699	ug/l	100
3) Chloromethane	1.49	50	281857	46.792	ug/l	99
4) Vinyl Chloride	1.57	62	316512	54.284	ug/l	99
5) Bromomethane	1.81	94	157194	68.788	ug/l	98
6) Chloroethane	1.90	64	152678	66.370	ug/l #	87
7) Trichlorofluoromethane	2.10	101	451475	56.645	ug/l	97
8) Diethyl Ether	2.36	74	66231	44.732	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.58	101	245389	51.617	ug/l	96
10) Methyl Iodide	2.70	142	357159	58.224	ug/l	94
11) Tert butyl alcohol	3.27	59	45541	186.598	ug/l	95
12) 1,1-Dichloroethene	2.56	96	195490	53.488	ug/l	98
13) Acrolein	2.49	56	54269	155.264	ug/l	87
14) Allyl chloride	2.93	41	418851	49.680	ug/l	99
15) Acrylonitrile	3.36	53	260530	182.471	ug/l	98
16) Acetone	2.63	43	312086	237.764	ug/l	99
17) Carbon Disulfide	2.76	76	750154	56.658	ug/l	98
18) Methyl Acetate	2.95	43	111276	43.824	ug/l #	91
19) Methyl tert-butyl Ether	3.41	73	656686	40.834	ug/l	99
20) Methylene Chloride	3.08	84	180846	50.831	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	423846	52.066	ug/l	97
22) Diisopropyl ether	4.07	45	1573179	47.100	ug/l	97
23) Vinyl Acetate	4.02	43	3367783	195.147	ug/l	100
24) 1,1-Dichloroethane	3.98	63	913568	49.767	ug/l	99
25) 2-Butanone	4.84	43	534930	179.325	ug/l #	92
26) 2,2-Dichloropropane	4.80	77	763507	50.491	ug/l	89
27) cis-1,2-Dichloroethene	4.81	96	558868	57.885	ug/l	98
28) Bromochloromethane	5.15	49	377694	47.538	ug/l	99
29) Tetrahydrofuran	5.18	42	266679	170.542	ug/l	99
30) Chloroform	5.32	83	908981	49.201	ug/l	98
31) Cyclohexane	5.60	56	717320	45.280	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	814738	52.670	ug/l	97
36) 1,1-Dichloropropene	5.75	75	676405	52.257	ug/l	96
37) Ethyl Acetate	4.92	43	315561	44.680	ug/l	96
38) Carbon Tetrachloride	5.73	117	705566	55.310	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	577855	45.035	ug/l	97
40) Benzene	6.01	78	1498643	49.563	ug/l	99
41) Methacrylonitrile	5.13	41	138479	42.881	ug/l	92
42) 1,2-Dichloroethane	6.13	62	561880	45.960	ug/l	100
43) Isopropyl Acetate	7.61	43	354864	38.359	ug/l	100
44) Trichloroethene	6.98	130	472846	53.537	ug/l	100
45) 1,2-Dichloropropane	7.35	63	409797	48.762	ug/l	98
46) Dibromomethane	7.46	93	237088	43.916	ug/l	95
47) Bromodichloromethane	7.73	83	616659	48.784	ug/l	97
48) Methyl methacrylate	7.50	41	223442	39.242	ug/l	97
49) 1,4-Dioxane	7.48	88	30610	648.931	ug/l	92
51) 4-Methyl-2-Pentanone	8.59	43	1112153	187.429	ug/l	100
52) Toluene	8.80	92	856307	49.345	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	501570	46.056	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	606790	47.294	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	232826	41.455	ug/l	96
56) Ethyl methacrylate	9.31	69	282831	41.054	ug/l	97
57) 1,3-Dichloropropane	9.65	76	424903	43.135	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	630567	181.163	ug/l	97
59) 2-Hexanone	9.78	43	798942	183.730	ug/l	98
60) Dibromochloromethane	9.95	129	345337	43.604	ug/l	98
61) 1,2-Dibromoethane	10.09	107	266136	41.205	ug/l	100
64) Tetrachloroethene	9.51	164	421171	55.717	ug/l	99
65) Chlorobenzene	10.72	112	843427	49.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	334620	50.881	ug/l	97
67) Ethyl Benzene	10.86	91	1613270	52.168	ug/l	99
68) m/p-Xylenes	11.01	106	1041100	103.270	ug/l	94
69) o-Xylene	11.40	106	482745	48.241	ug/l	100
70) Styrene	11.43	104	718732	43.387	ug/l	98
71) Bromoform	11.59	173	213494	43.154	ug/l	96
73) Isopropylbenzene	11.77	105	1423092	69.570	ug/l	99
74) N-amyl acetate	11.64	43	442142	56.015	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	240870	54.009	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	256521	55.295	ug/l	99
77) Bromobenzene	12.04	156	361108	59.639	ug/l	85
78) n-propylbenzene	12.14	91	1620777	60.891	ug/l	98
79) 2-Chlorotoluene	12.21	91	936664	61.683	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	1006899	63.118	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	64469	56.107	ug/l	90
82) 4-Chlorotoluene	12.32	91	988362	68.077	ug/l	94
83) tert-Butylbenzene	12.57	119	1132280	62.860	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	1043972	60.865	ug/l	98
85) sec-Butylbenzene	12.75	105	1240355	57.057	ug/l	96
86) p-Isopropyltoluene	12.88	119	1005717	57.400	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	521866	50.952	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	498282	49.931	ug/l	96
89) n-Butylbenzene	13.19	91	855449	54.604	ug/l	98
90) Hexachloroethane	13.39	117	265513	59.372	ug/l	81
91) 1,2-Dichlorobenzene	13.19	146	385442	46.567	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	35926	52.195	ug/l	85

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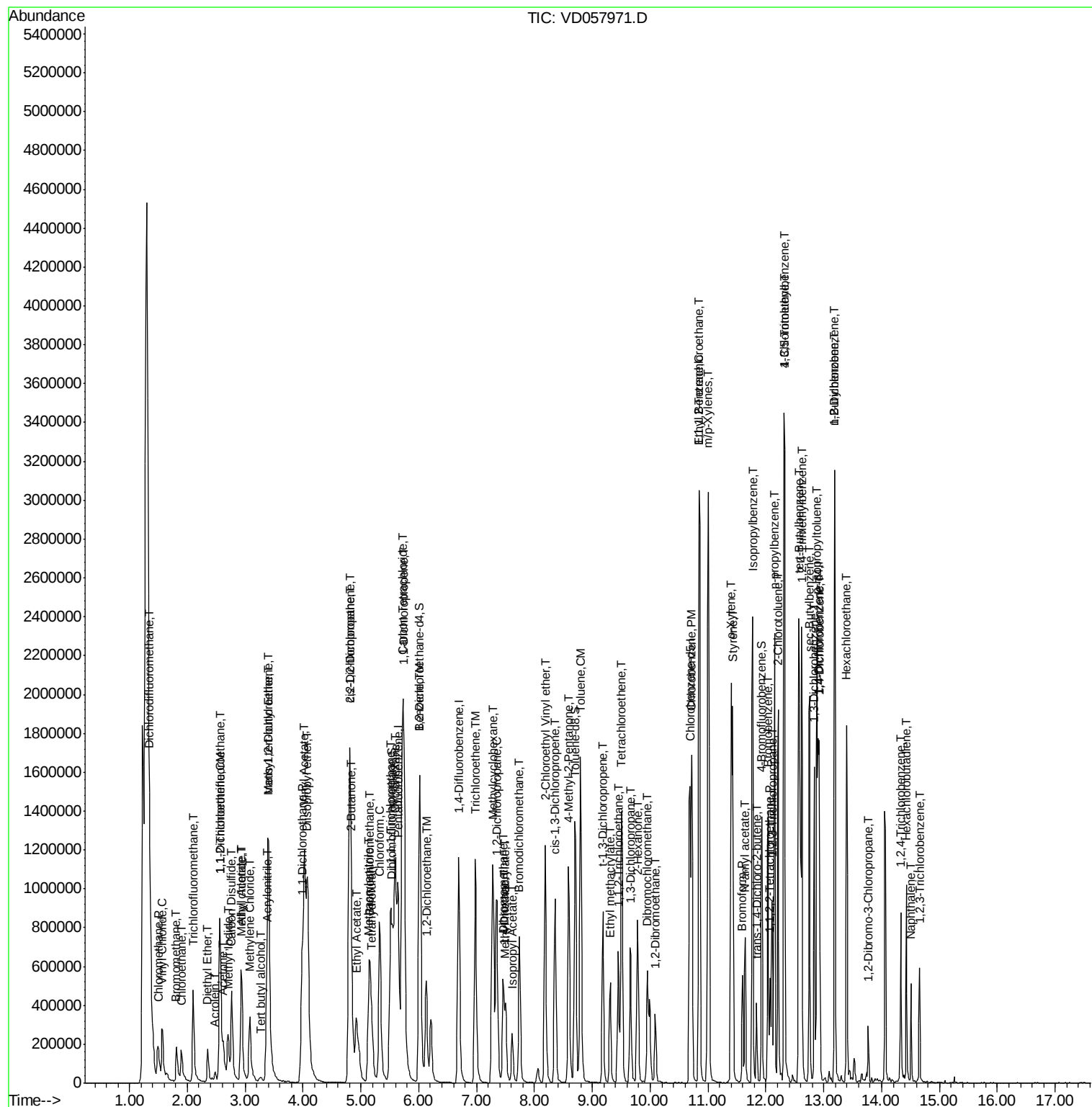
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	204459	26.440	ug/l	98
94) Hexachlorobutadiene	14.43	225	161876	26.613	ug/l	98
95) Naphthalene	14.51	128	281072	28.190	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	142035	21.552	ug/l	95

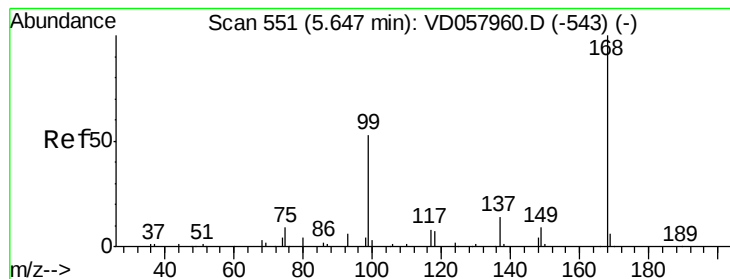
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

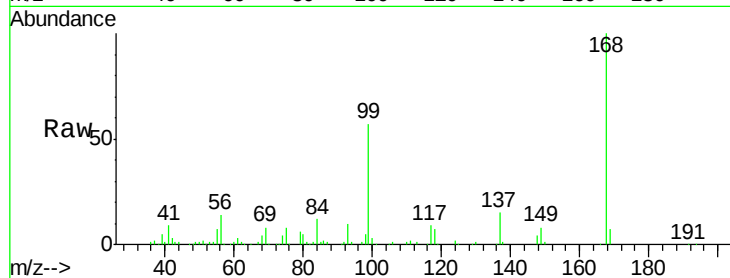
S39-0177MS

Tot Ion:168 Resp: 911282

Ion Ratio Lower Upper

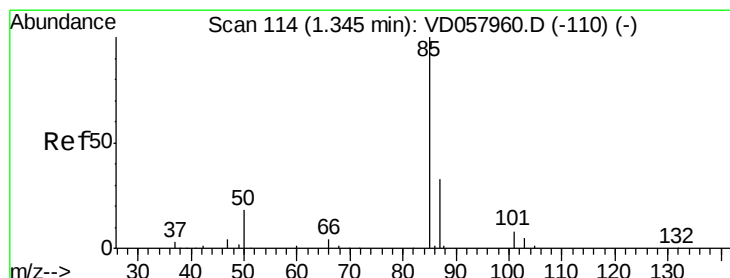
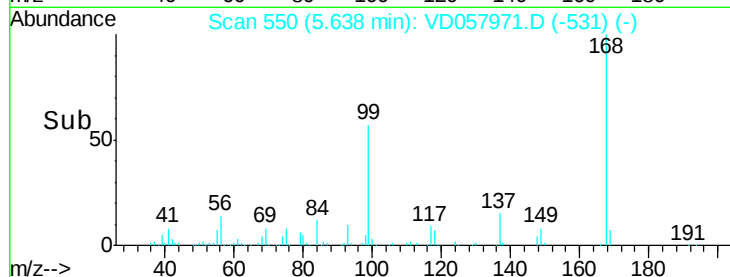
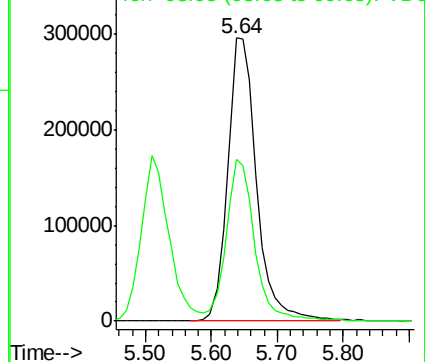
168 100

99 57.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.699 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD057971.D

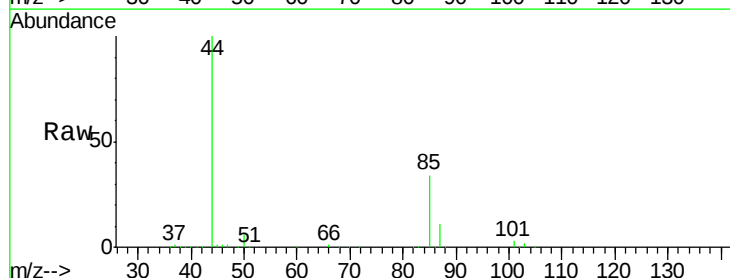
Acq: 7 Jun 2018 14:57

Tgt Ion: 85 Resp: 583383

Ion Ratio Lower Upper

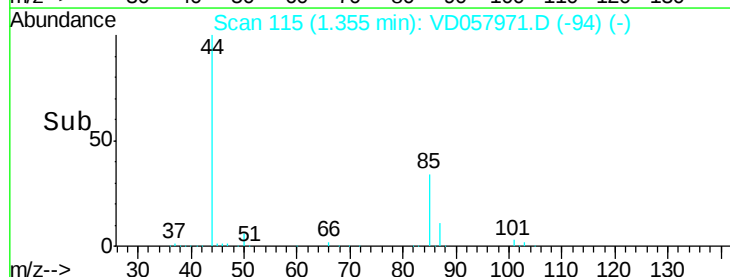
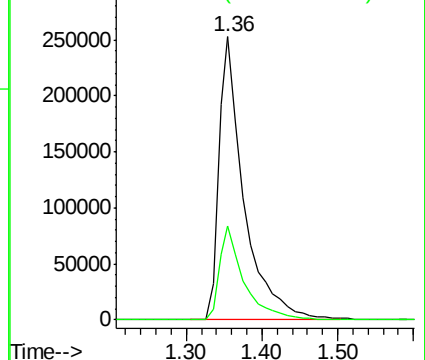
85 100

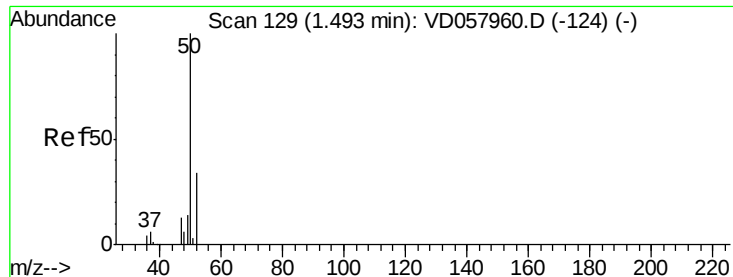
87 33.1 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.792 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

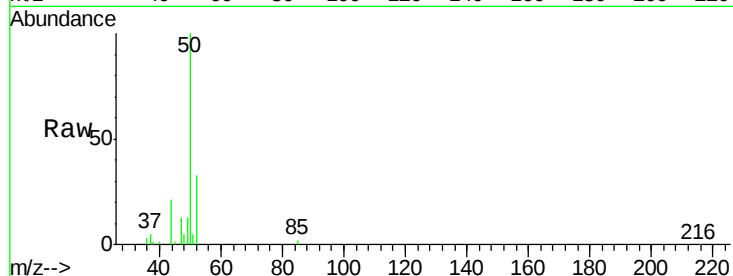
S39-0177MS

Tot Ion: 50 Resp: 281857

Ion Ratio Lower Upper

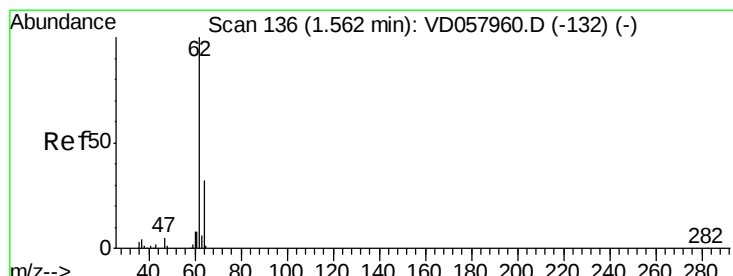
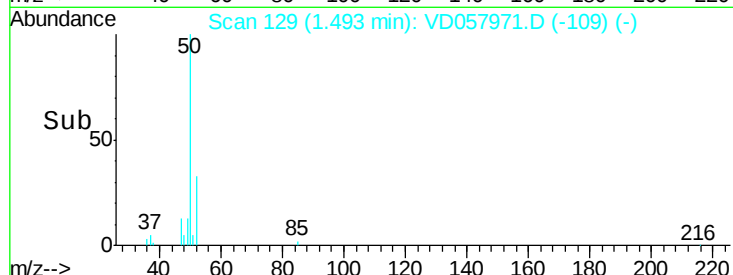
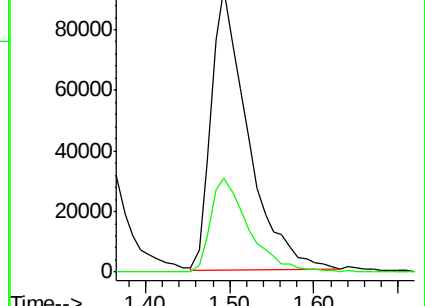
50 100

52 33.4 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: 54.284 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.01 min

Lab File: VD057971.D

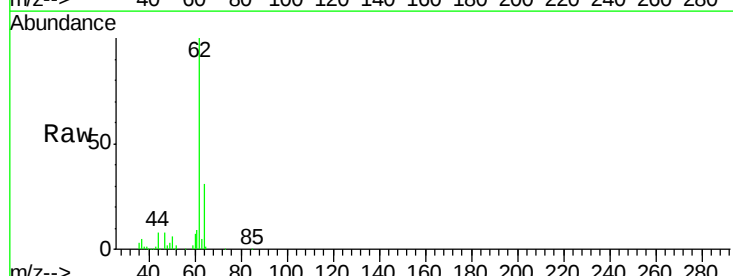
Acq: 7 Jun 2018 14:57

Tgt Ion: 62 Resp: 316512

Ion Ratio Lower Upper

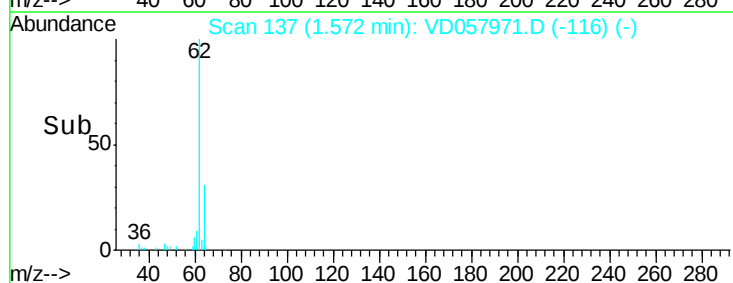
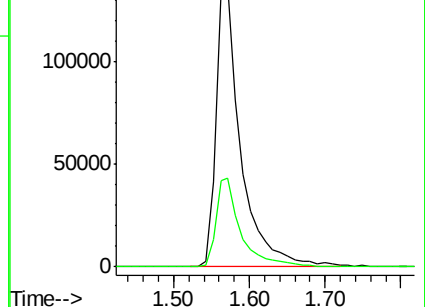
62 100

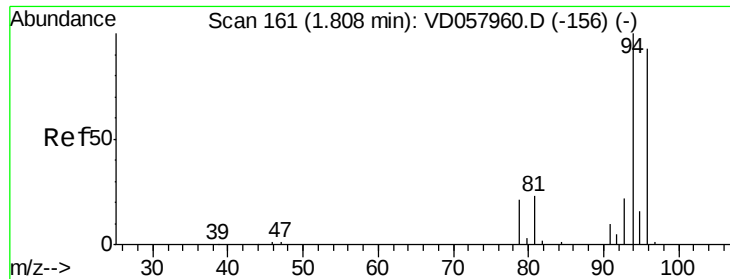
64 31.4 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 68.788 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

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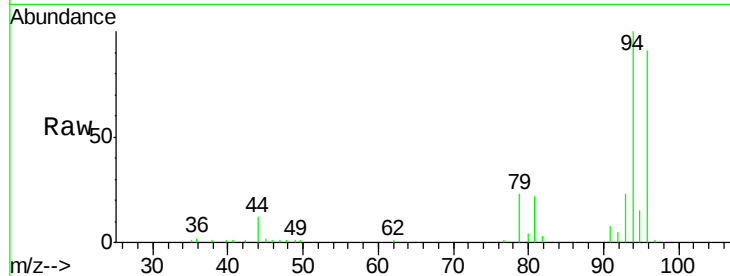
S39-0177MS

Tot Ion: 94 Resp: 157194

Ion Ratio Lower Upper

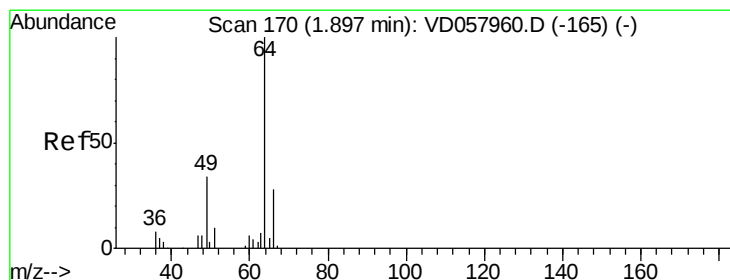
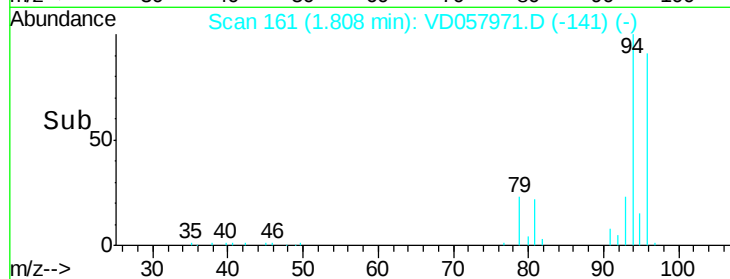
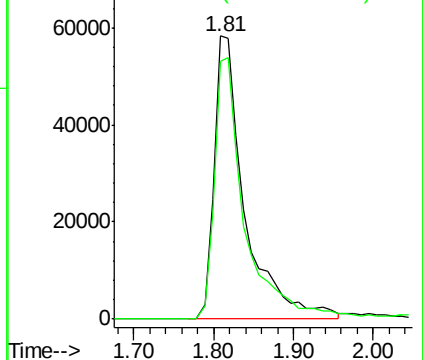
94 100

96 91.1 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: 66.370 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD057971.D

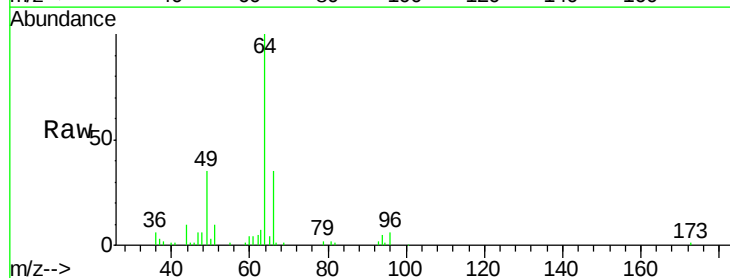
Acq: 7 Jun 2018 14:57

Tgt Ion: 64 Resp: 152678

Ion Ratio Lower Upper

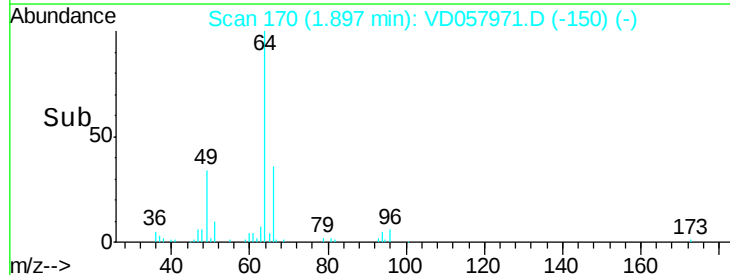
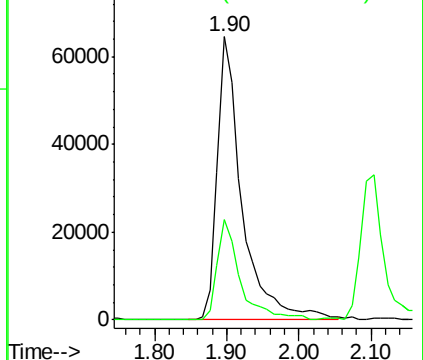
64 100

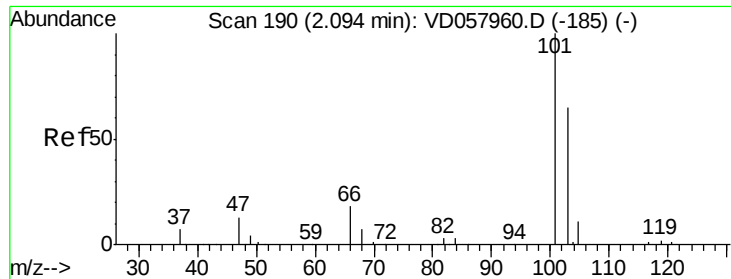
66 35.5 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



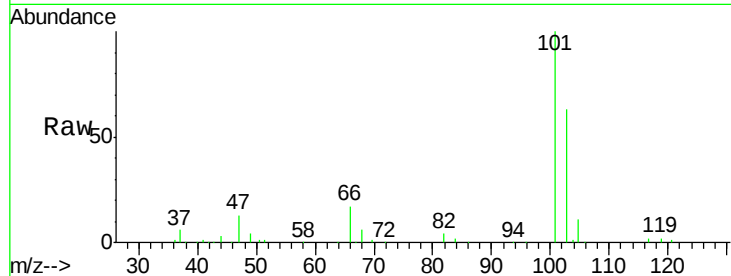


#7

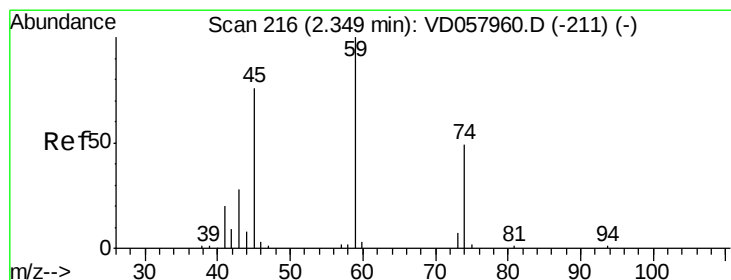
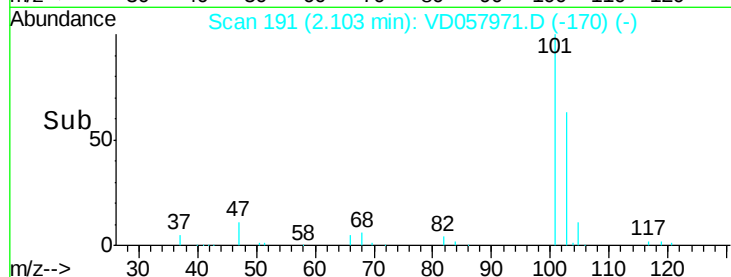
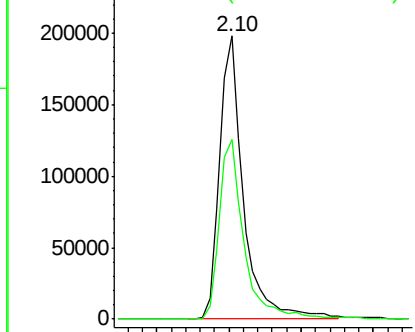
Trichlorofluoromethane
Concen: 56.645 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
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Tot Ion:101 Resp: 451475
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6



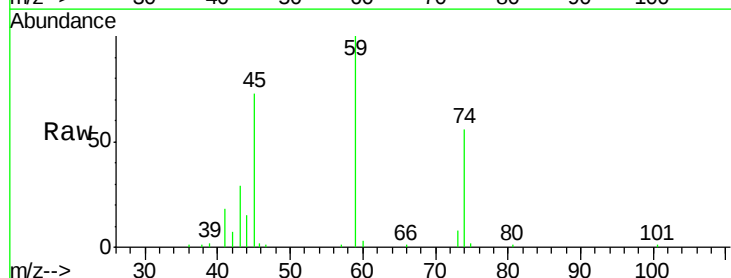
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



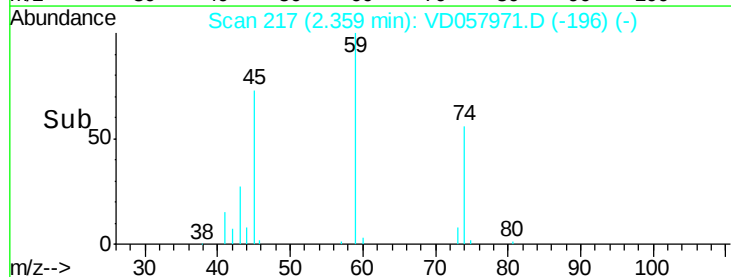
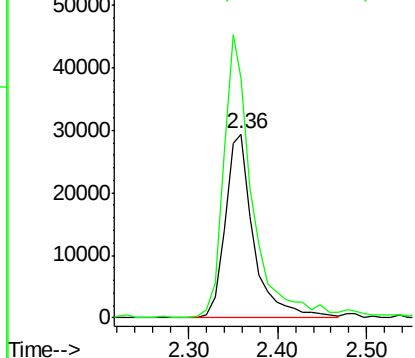
#8

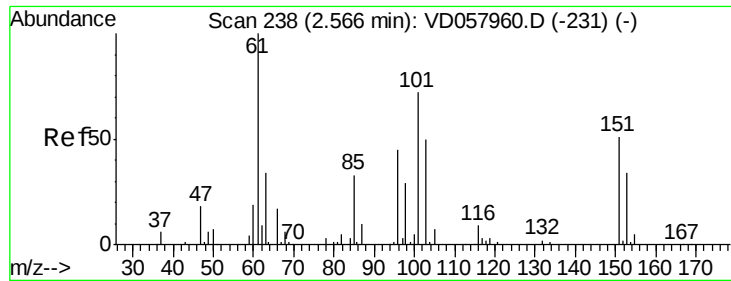
Diethyl Ether
Concen: 44.732 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 74 Resp: 66231
Ion Ratio Lower Upper
74 100
45 130.9 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.617 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

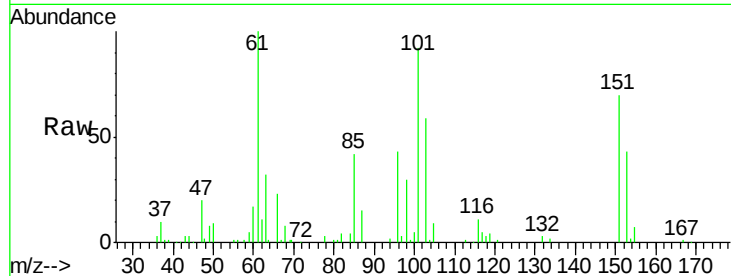
Tot Ion:101 Resp: 245389

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

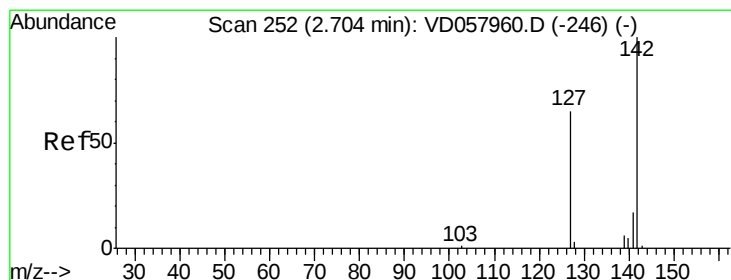
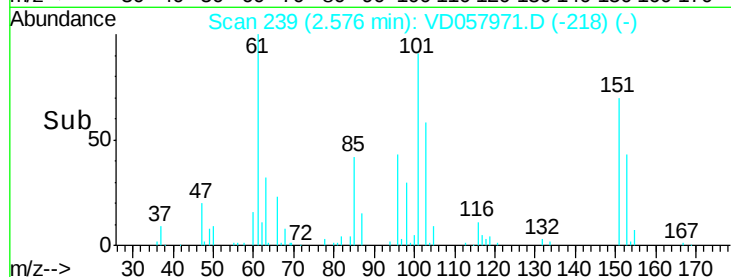
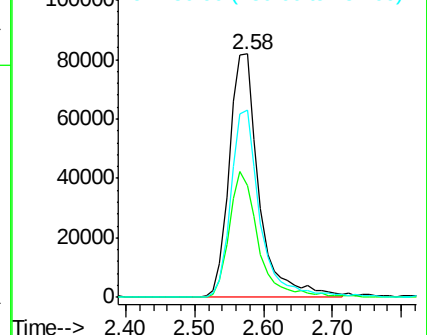
151 76.9 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 58.224 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

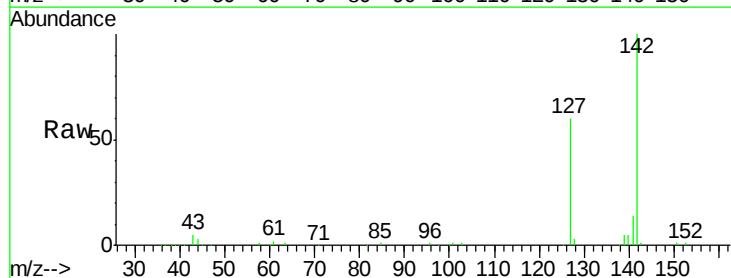
Tgt Ion:142 Resp: 357159

Ion Ratio Lower Upper

142 100

127 59.6 52.0 78.0

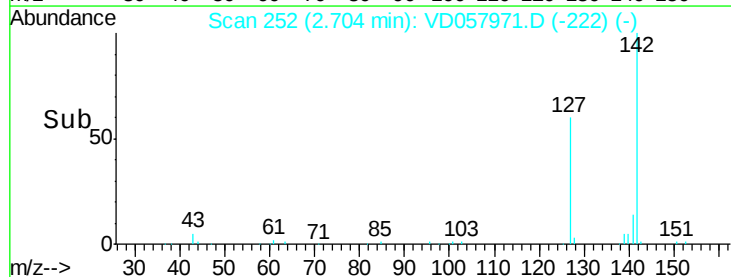
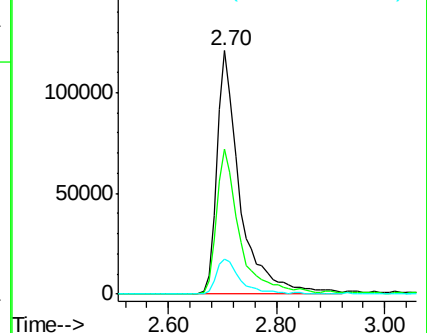
141 14.4 13.2 19.8

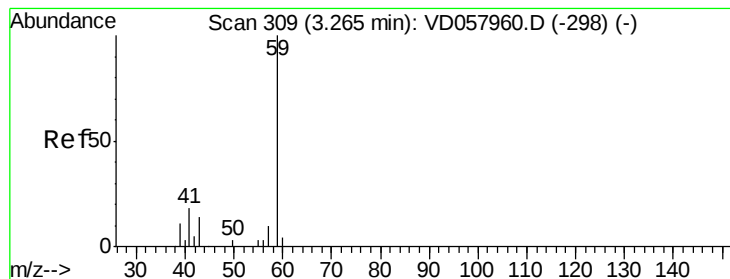


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



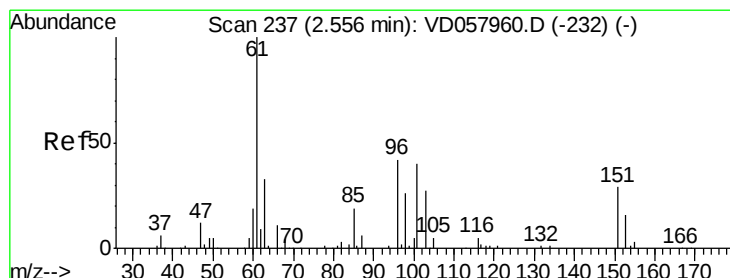
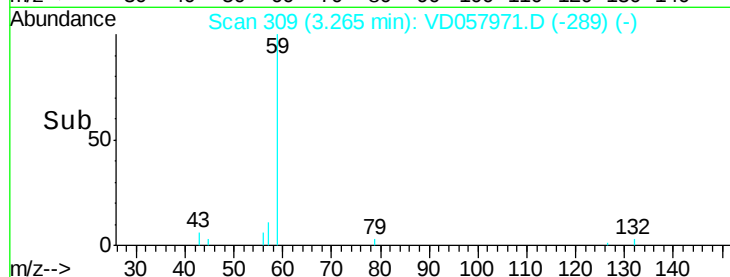
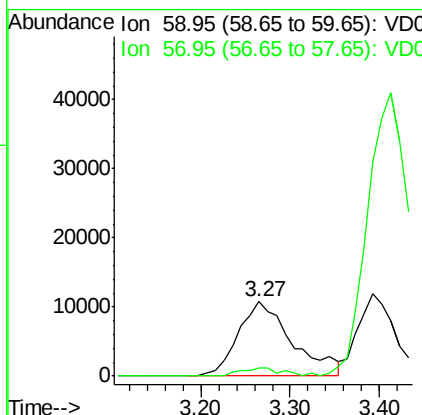
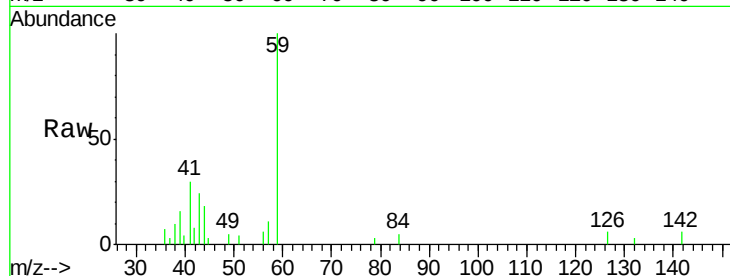


#11

Tert butyl alcohol
Concen: 186.598 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

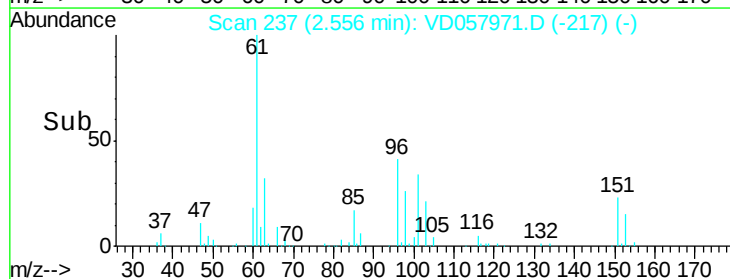
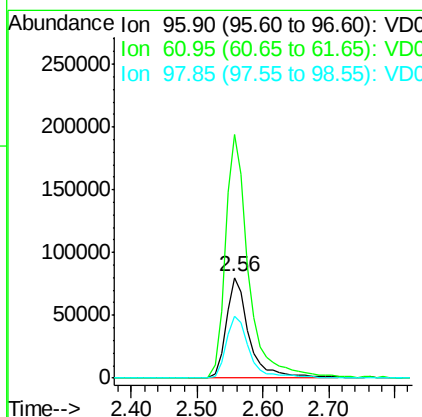
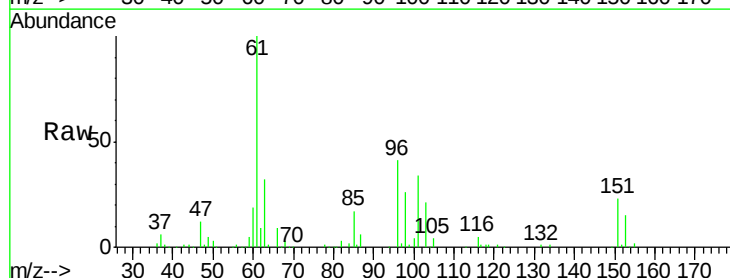
Tot Ion: 59 Resp: 45541
Ion Ratio Lower Upper
59 100
57 11.5 7.8 11.6

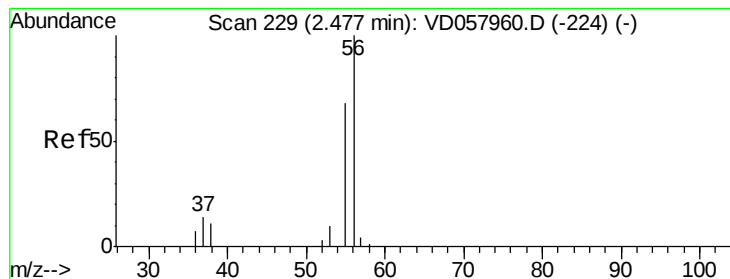


#12

1,1-Dichloroethene
Concen: 53.488 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 96 Resp: 195490
Ion Ratio Lower Upper
96 100
61 242.1 190.2 285.4
98 61.8 49.6 74.4





#13

Acrolein

Concen: 155.264 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

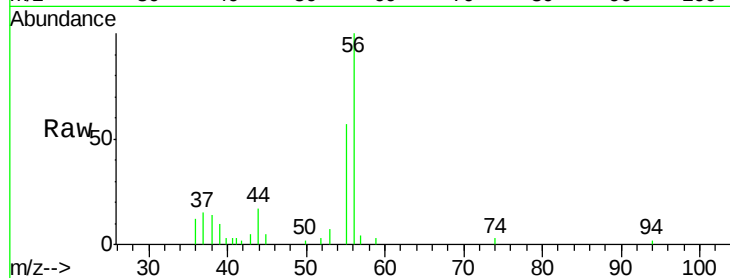
S39-0177MS

Tot Ion: 56 Resp: 54269

Ion Ratio Lower Upper

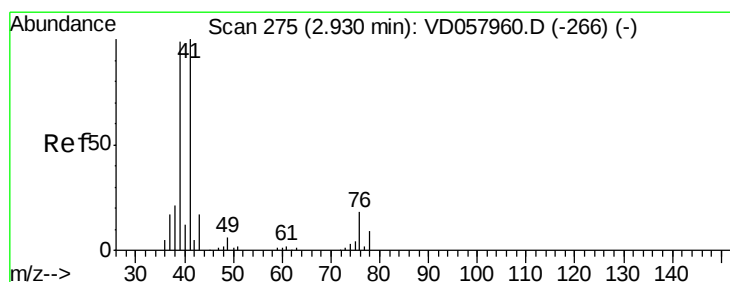
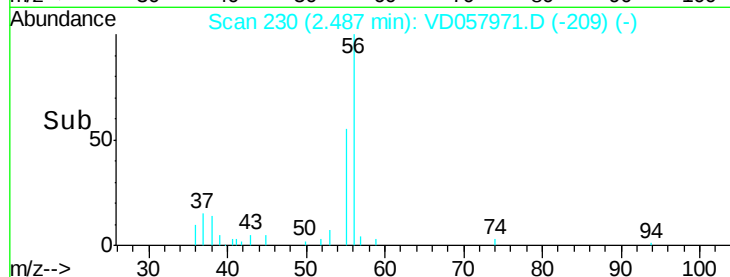
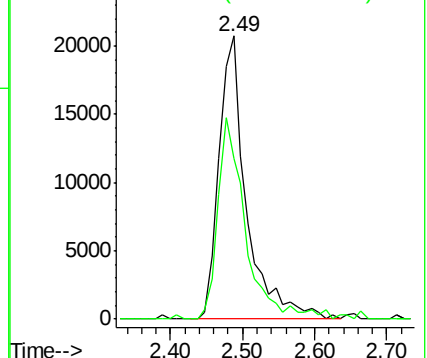
56 100

55 56.7 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: 49.680 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

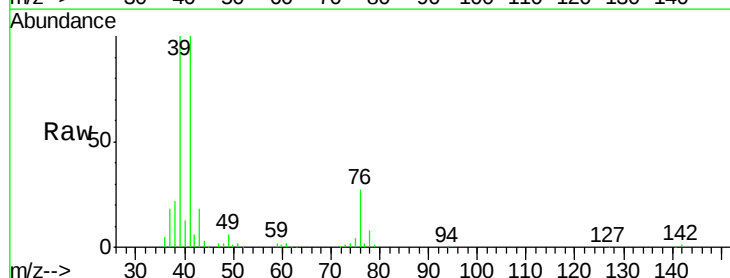
Tgt Ion: 41 Resp: 418851

Ion Ratio Lower Upper

41 100

39 100.0 79.5 119.3

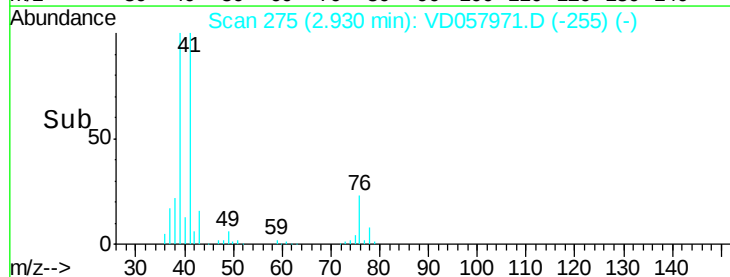
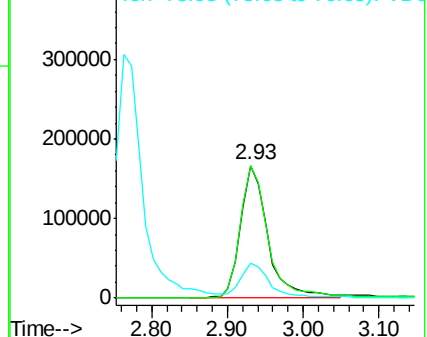
76 26.9 20.7 31.1

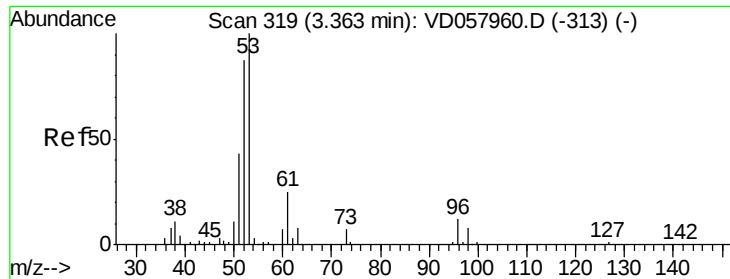


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 182.471 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

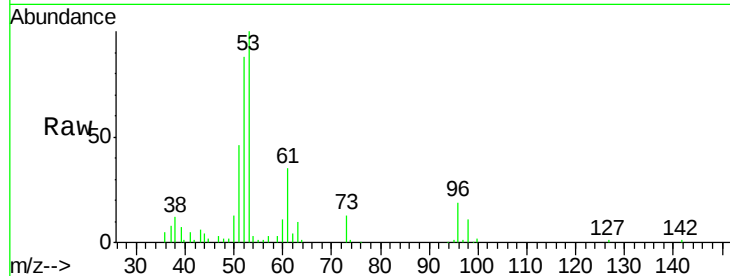
Tot Ion: 53 Resp: 260530

Ion Ratio Lower Upper

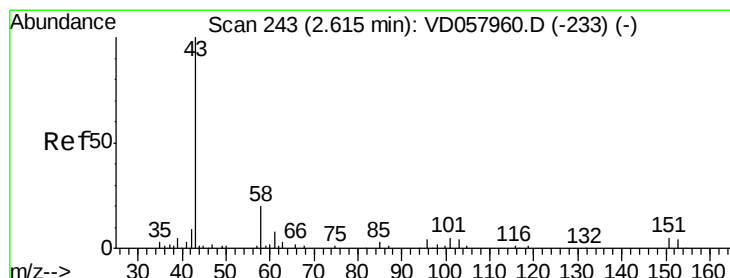
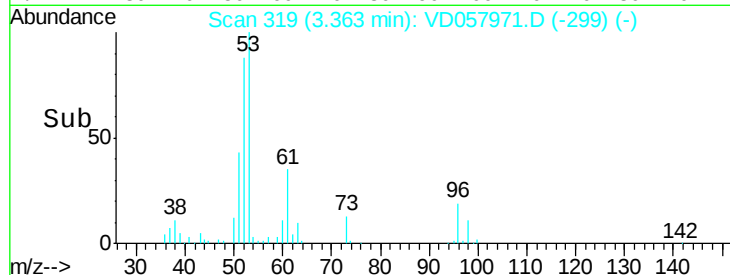
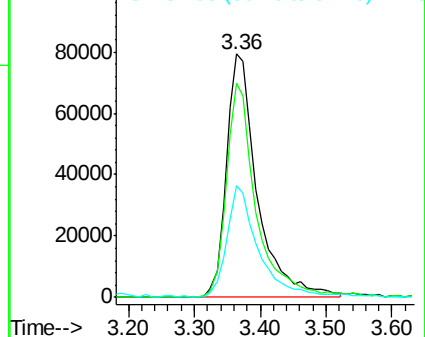
53 100

52 88.1 69.9 104.9

51 45.7 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: 237.764 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057971.D

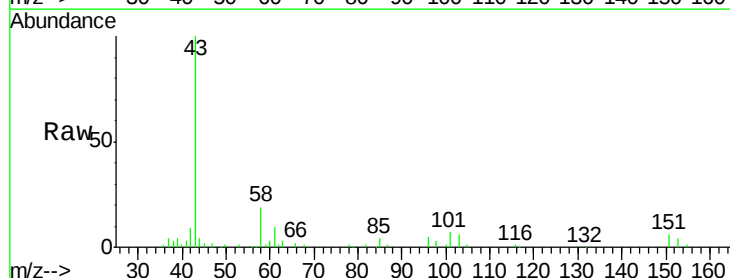
Acq: 7 Jun 2018 14:57

Tgt Ion: 43 Resp: 312086

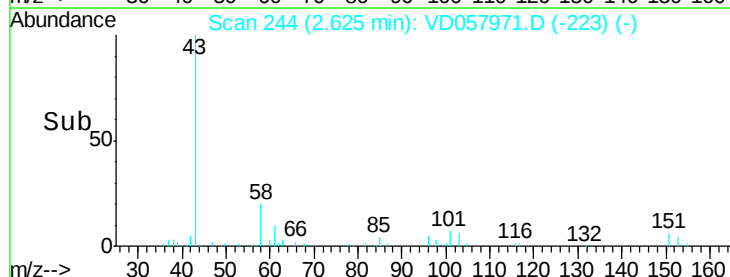
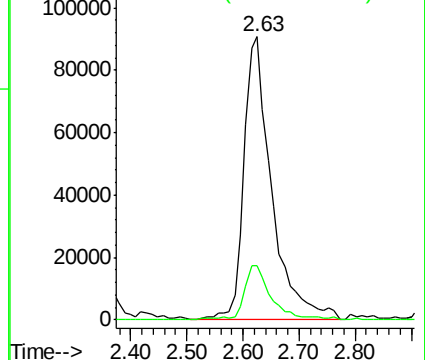
Ion Ratio Lower Upper

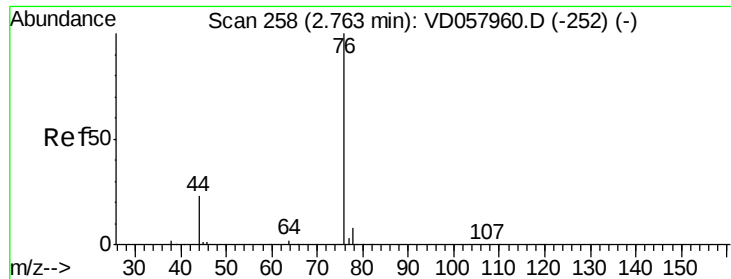
43 100

58 19.3 15.8 23.8



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

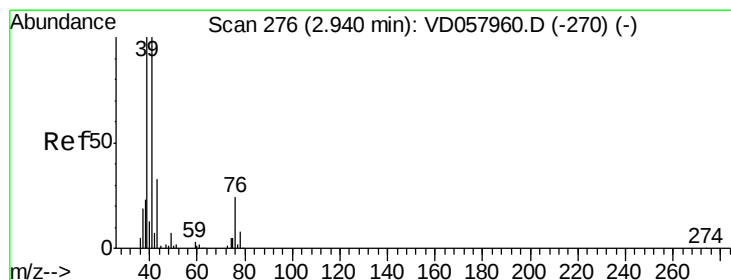
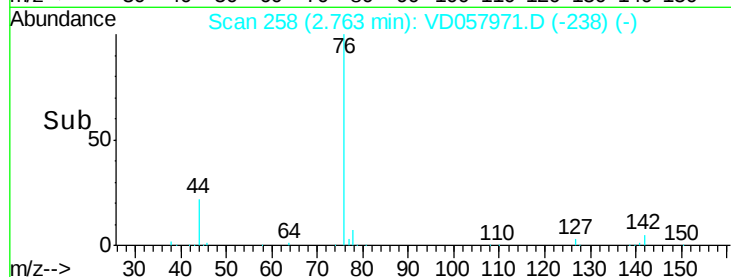
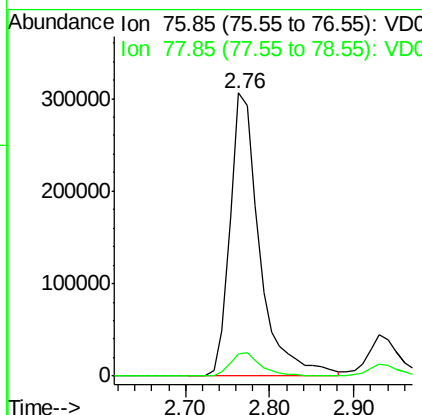
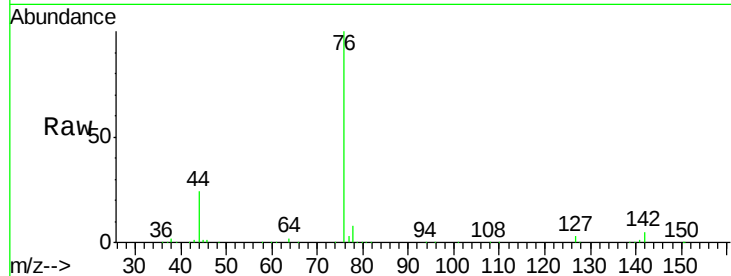




#17
Carbon Disulfide
Concen: 56.658 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

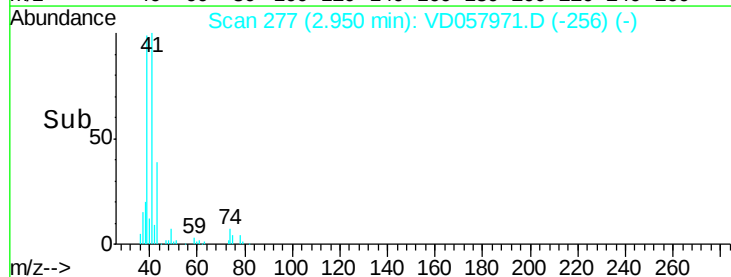
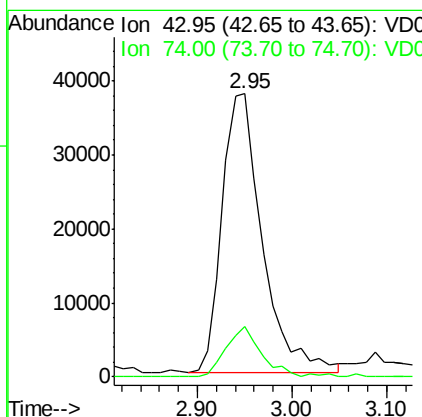
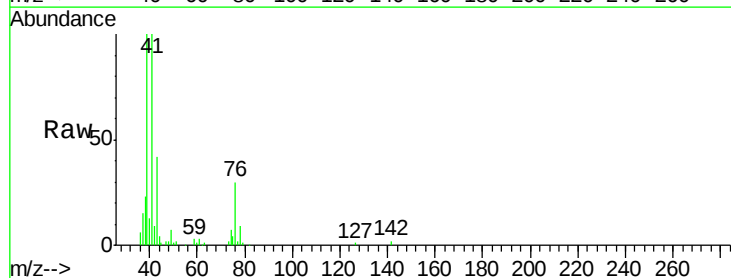
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

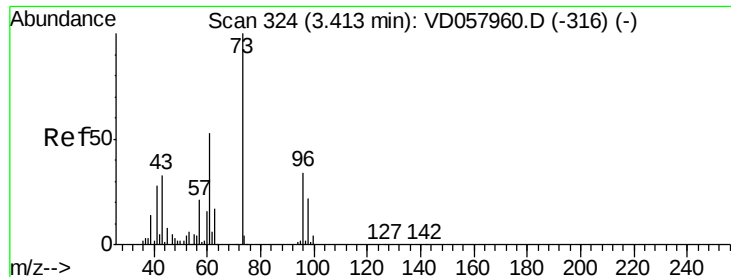
Tot Ion: 76 Resp: 750154
Ion Ratio Lower Upper
76 100
78 7.7 6.7 10.1



#18
Methyl Acetate
Concen: 43.824 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 43 Resp: 111276
Ion Ratio Lower Upper
43 100
74 17.7 11.2 16.8#



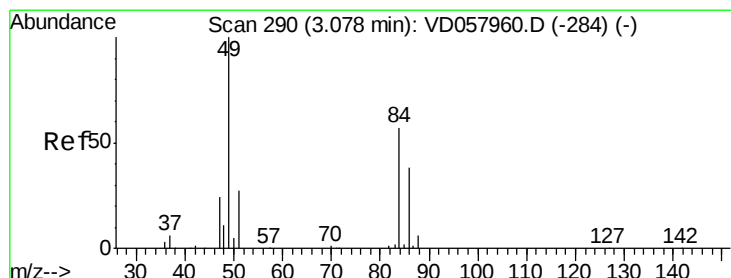
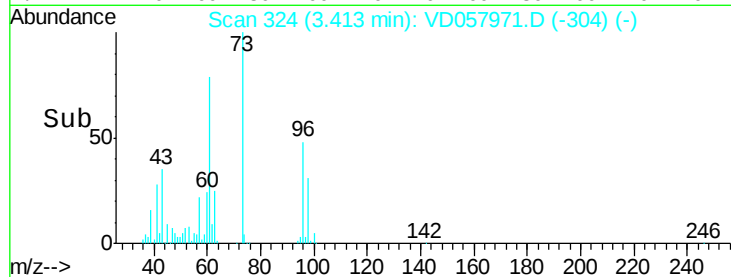
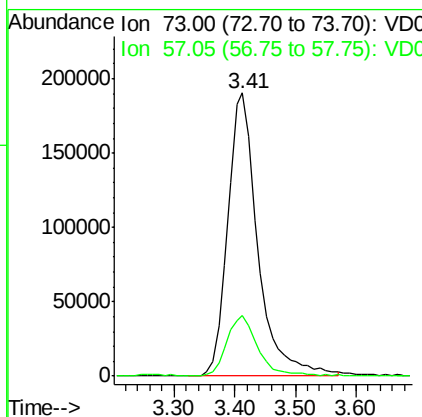
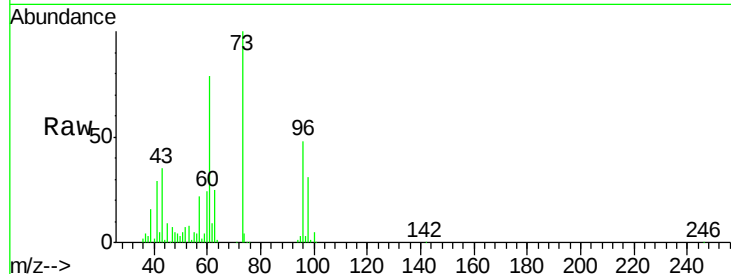


#19

Methyl tert-butyl Ether
 Concen: 40.834 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

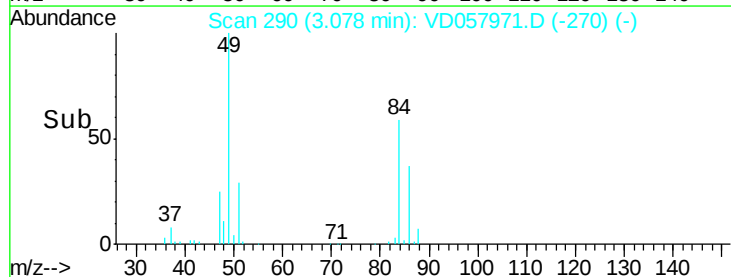
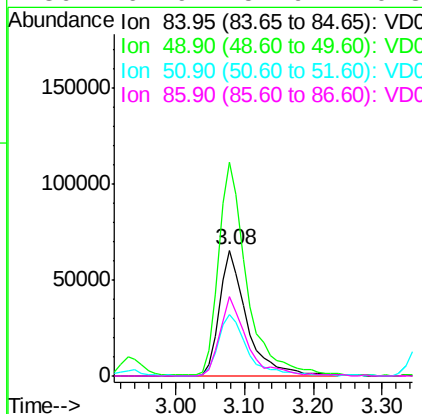
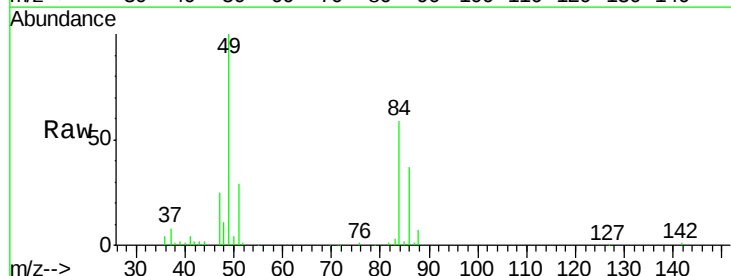
Tot Ion: 73 Resp: 656686
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.7 25.1

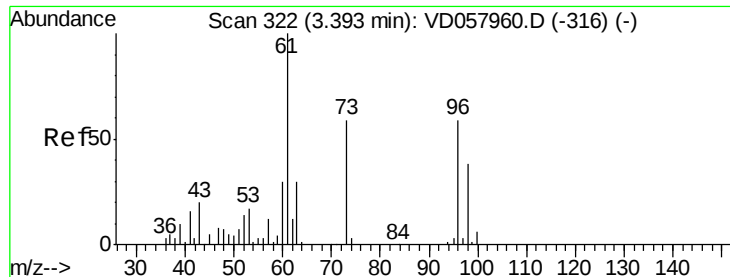


#20

Methylene Chloride
 Concen: 50.831 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion: 84 Resp: 180846
 Ion Ratio Lower Upper
 84 100
 49 169.7 141.4 212.0
 51 48.6 38.3 57.5
 86 62.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 52.066 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

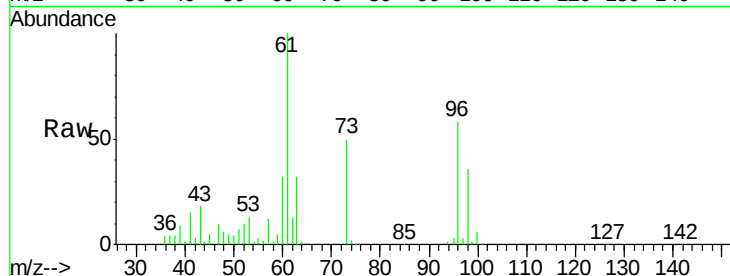
Tot Ion: 96 Resp: 423846

Ion Ratio Lower Upper

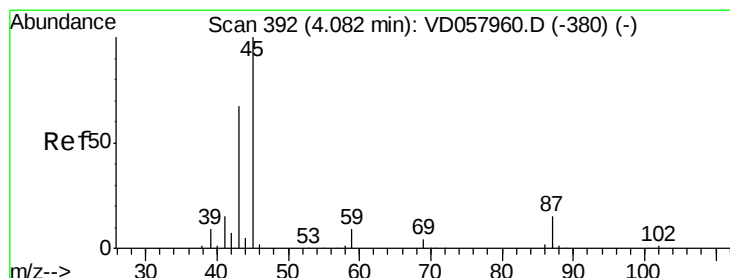
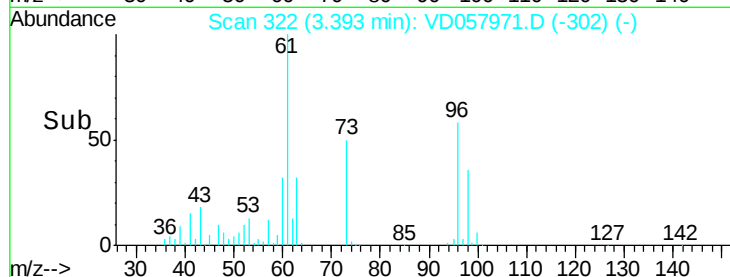
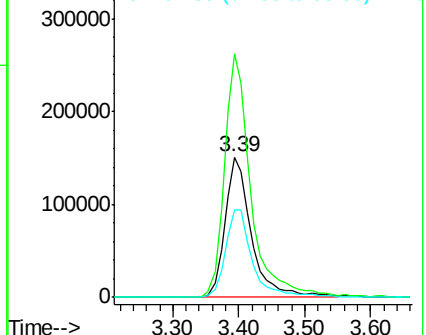
96 100

61 173.2 135.2 202.8

98 61.9 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: 47.100 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Tgt Ion: 45 Resp: 1573179

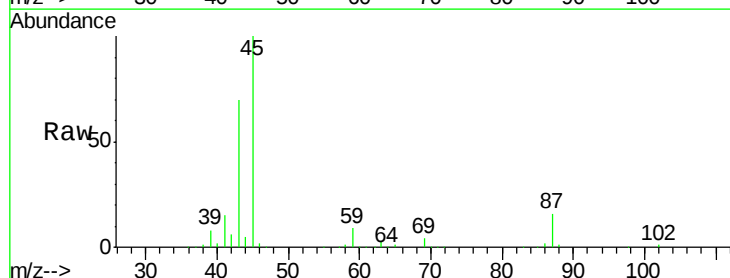
Ion Ratio Lower Upper

45 100

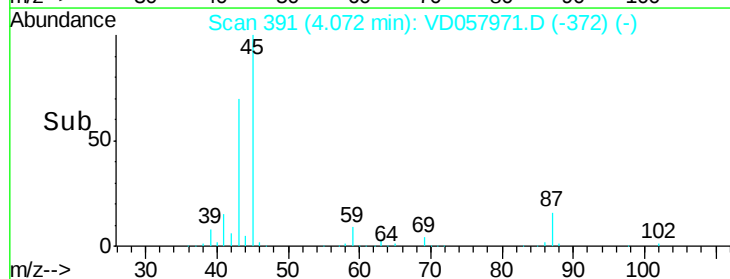
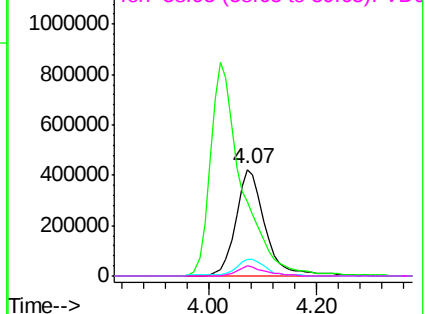
43 70.1 53.8 80.8

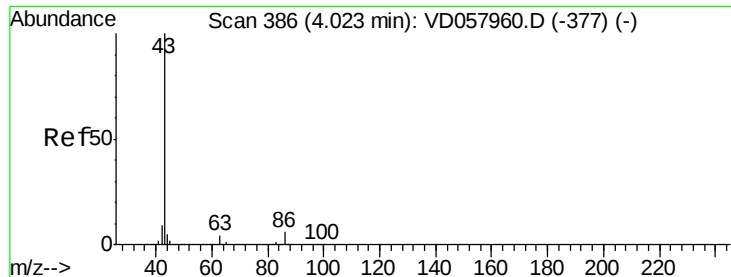
87 15.8 12.5 18.7

59 9.2 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: 195.147 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

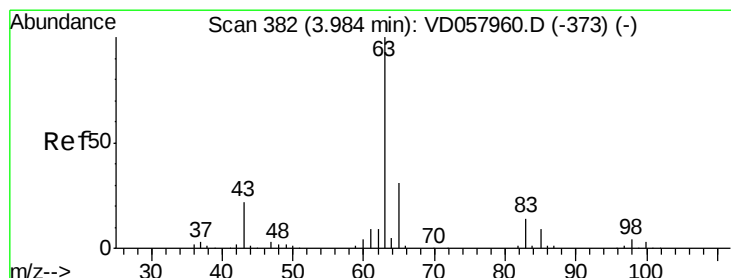
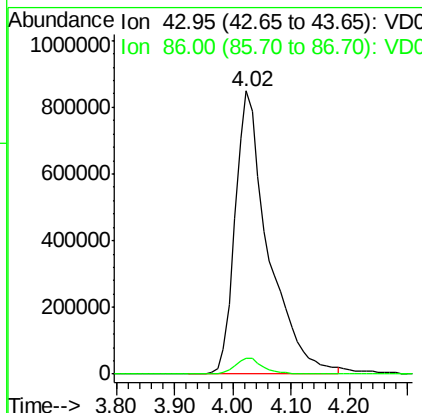
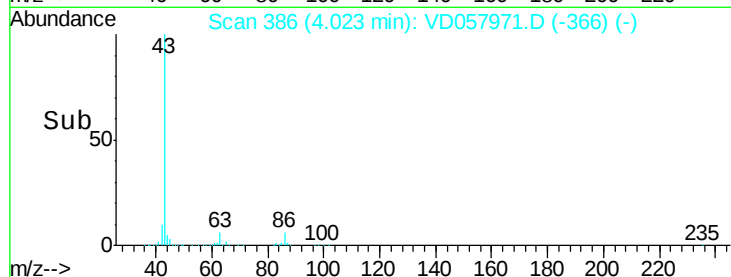
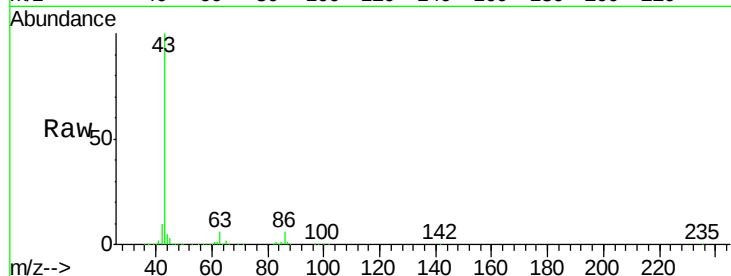
S39-0177MS

Tot Ion: 43 Resp: 3367783

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



#24

1,1-Dichloroethane

Concen: 49.767 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

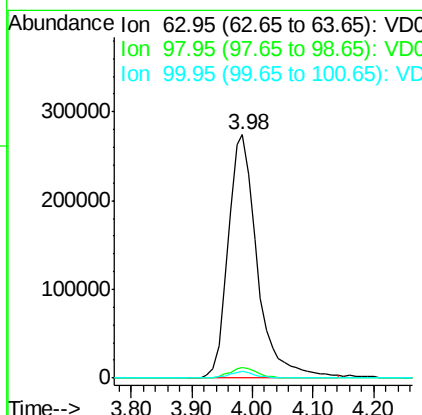
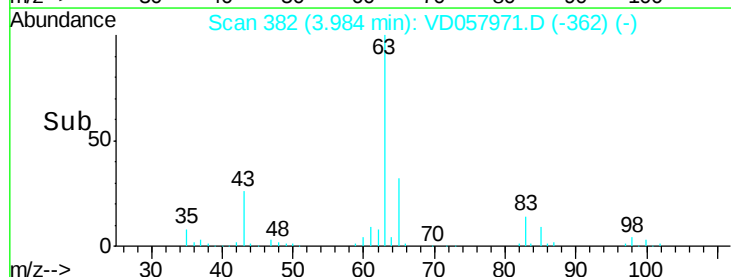
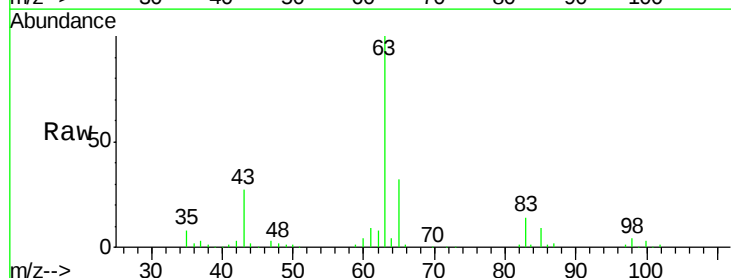
Tgt Ion: 63 Resp: 913568

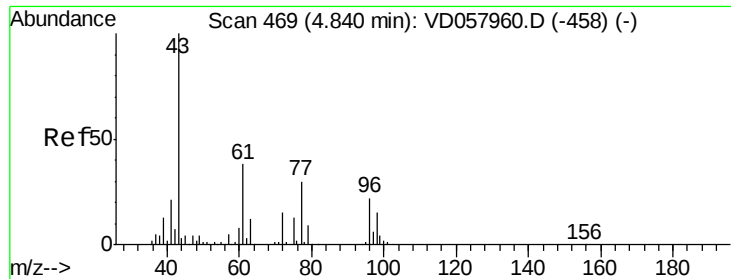
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.6 1.4 4.2





#25

2-Butanone

Concen: 179.325 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

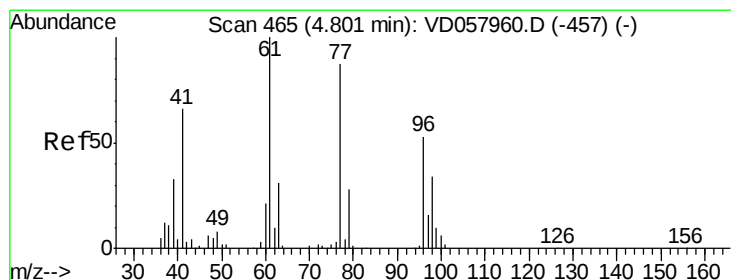
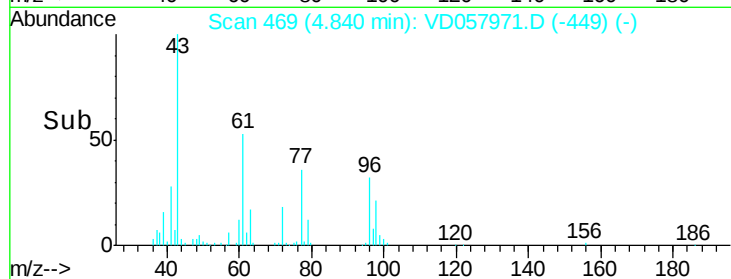
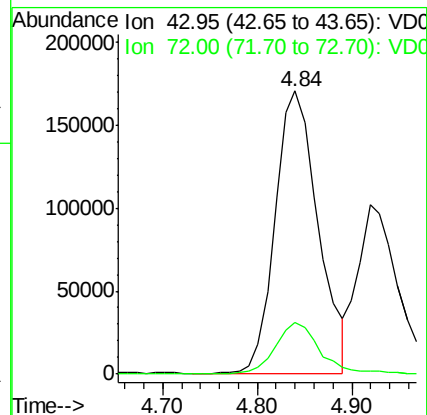
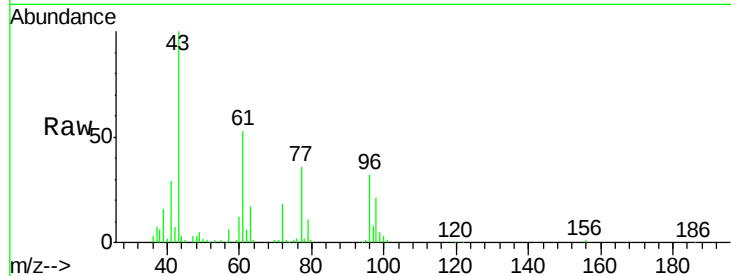
S39-0177MS

Tot Ion: 43 Resp: 534930

Ion Ratio Lower Upper

43 100

72 18.1 12.0 18.0#



#26

2,2-Dichloropropane

Concen: 50.491 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD057971.D

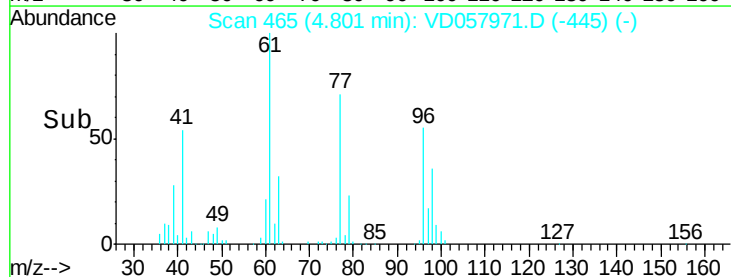
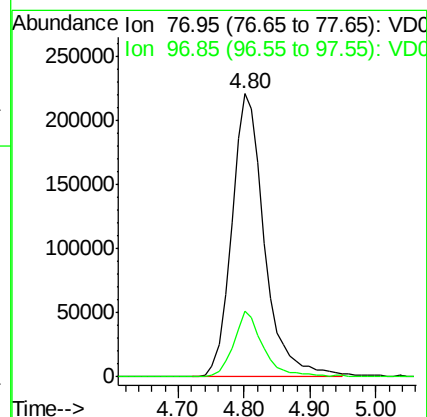
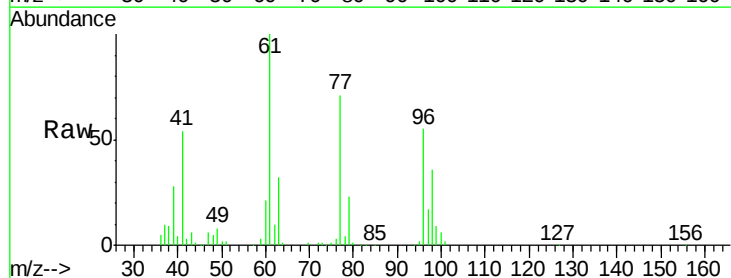
Acq: 7 Jun 2018 14:57

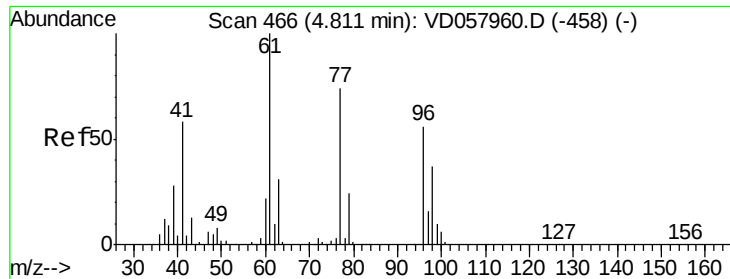
Tgt Ion: 77 Resp: 763507

Ion Ratio Lower Upper

77 100

97 23.4 9.2 27.6



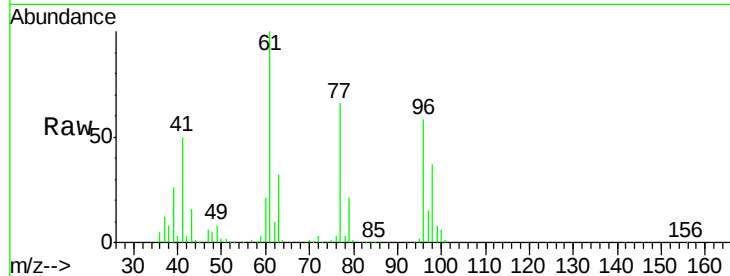


#27

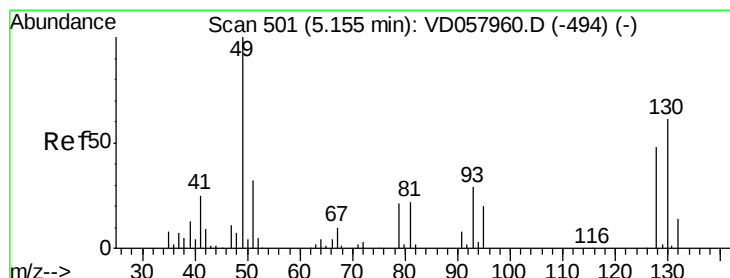
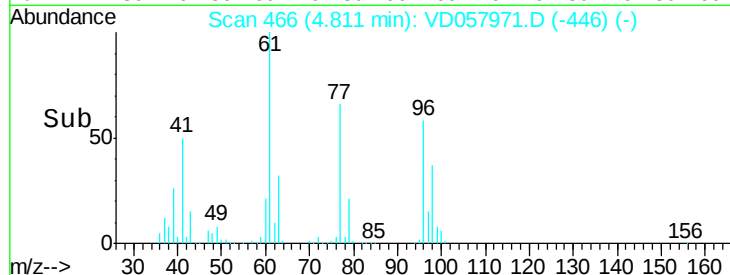
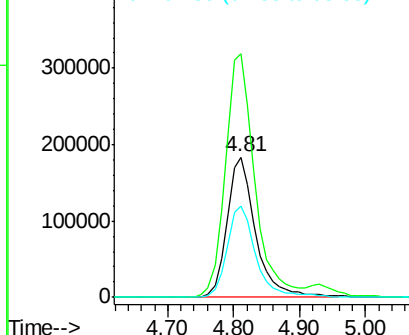
cis-1,2-Dichloroethene
 Concen: 57.885 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Tot Ion	96	Resp	558868
Ion	Ratio	Lower	Upper
96	100		
61	173.5	0.0	355.0
98	64.9	0.0	129.6



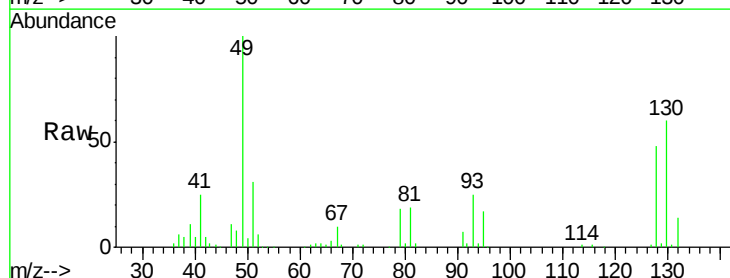
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



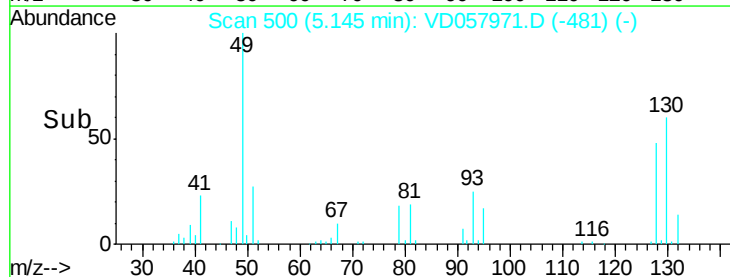
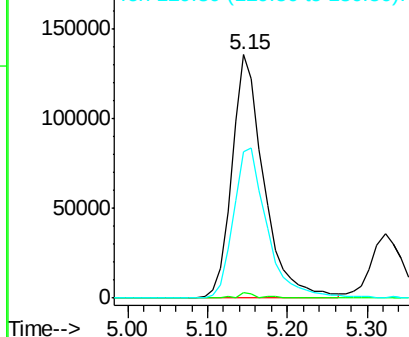
#28

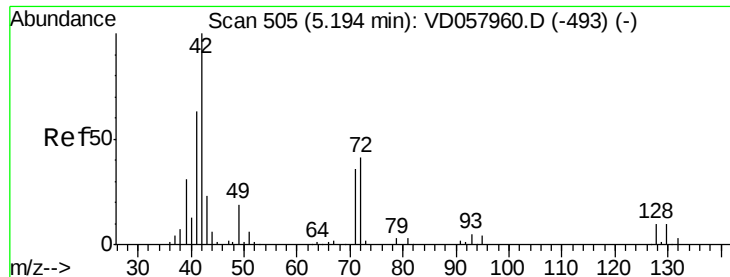
Bromochloromethane
 Concen: 47.538 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion	49	Resp	377694
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	60.3	48.8	73.2



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

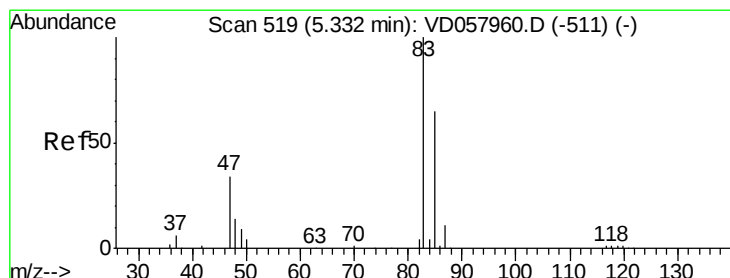
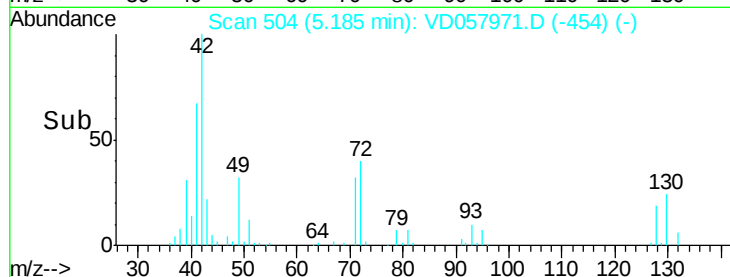
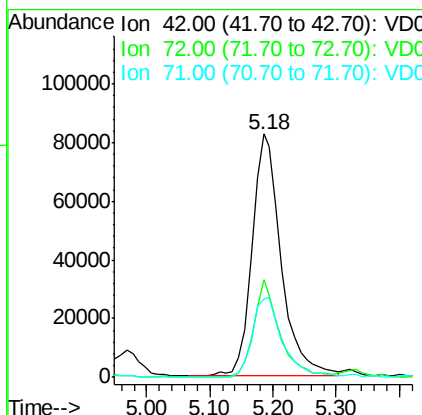
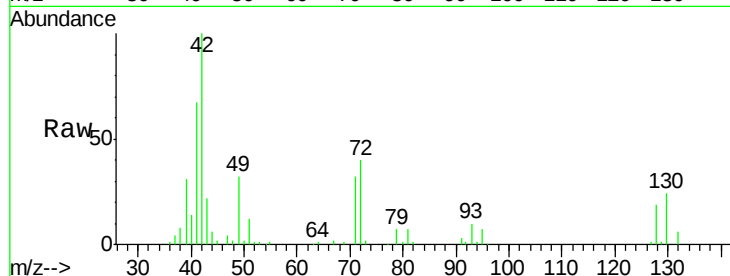




#29
Tetrahydrofuran
Concen: 170.542 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

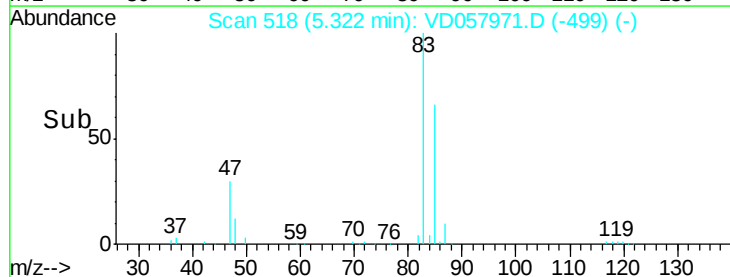
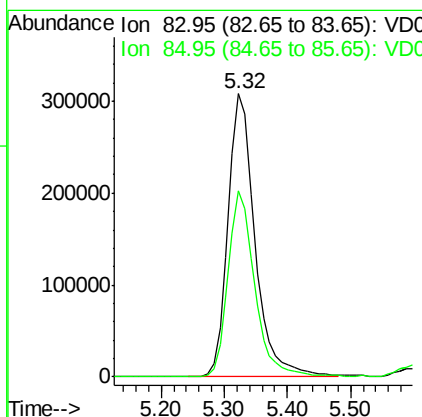
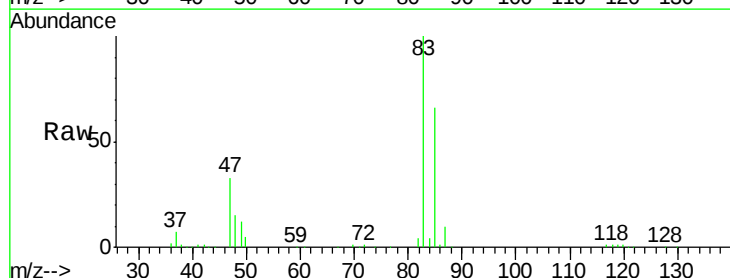
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

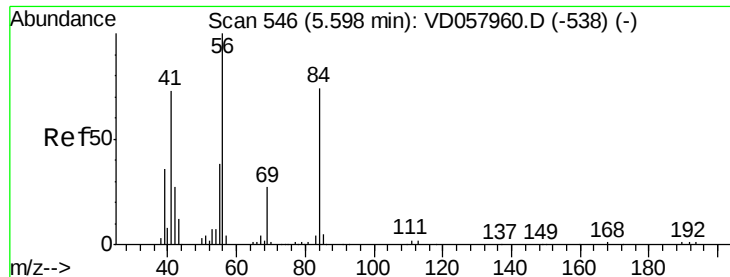
Tot Ion: 42 Resp: 266679
Ion Ratio Lower Upper
42 100
72 36.2 28.5 42.7
71 33.9 27.9 41.9



#30
Chloroform
Concen: 49.201 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 83 Resp: 908981
Ion Ratio Lower Upper
83 100
85 65.9 51.6 77.4

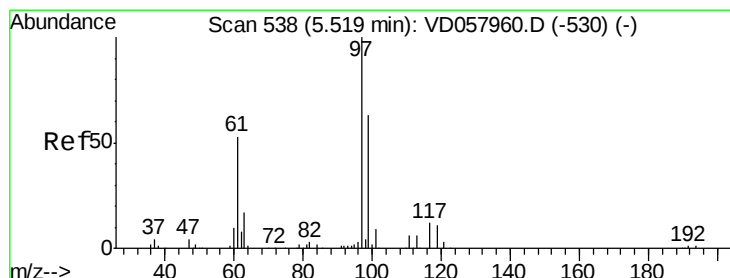
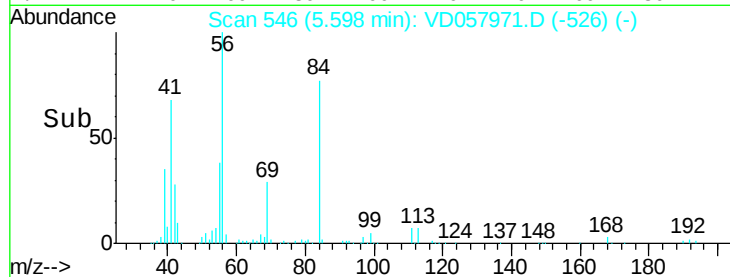
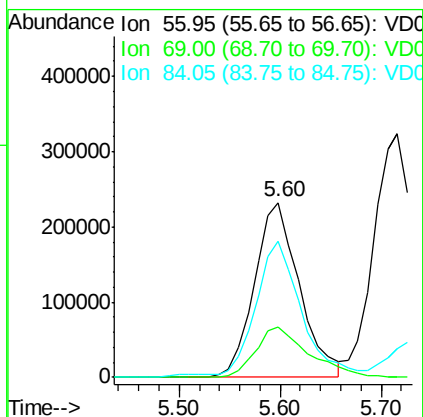
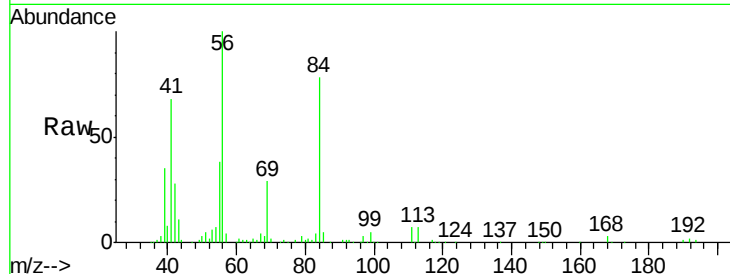




#31
Cyclohexane
Concen: 45.280 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

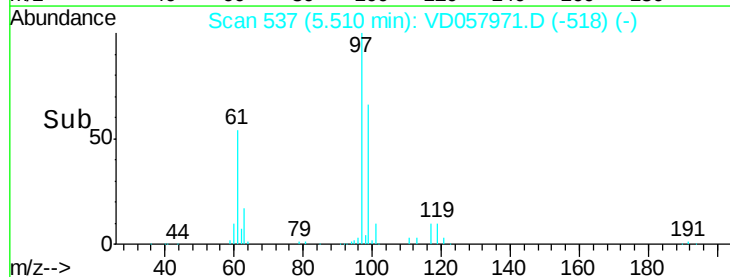
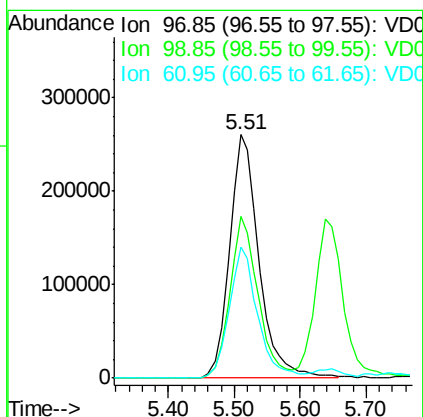
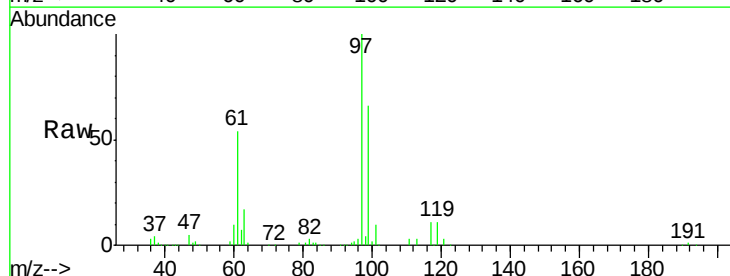
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

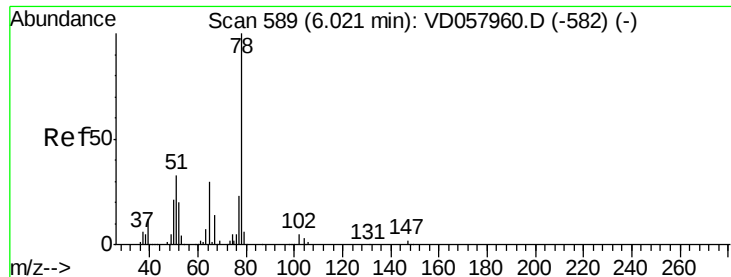
Tot Ion: 56 Resp: 717320
Ion Ratio Lower Upper
56 100
69 29.0 21.5 32.3
84 77.7 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 52.670 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 97 Resp: 814738
Ion Ratio Lower Upper
97 100
99 66.4 50.1 75.1
61 53.7 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 52.670 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

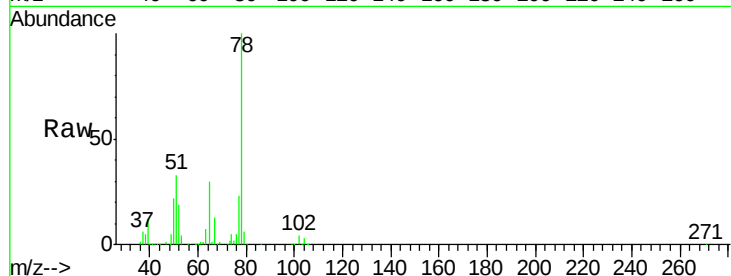
S39-0177MS

Tot Ion: 65 Resp: 379749

Ion Ratio Lower Upper

65 100

67 43.7 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

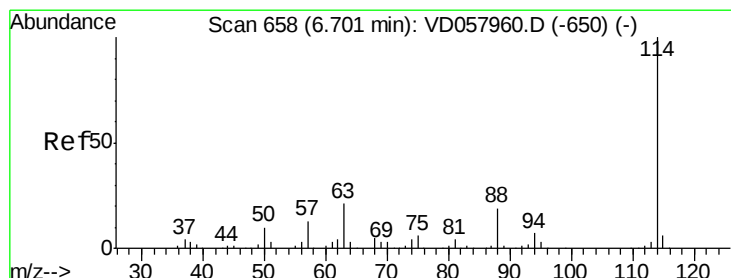
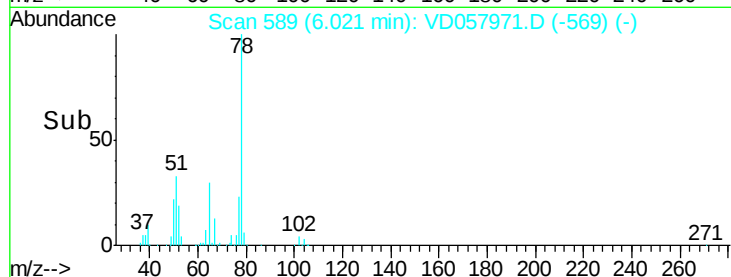
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

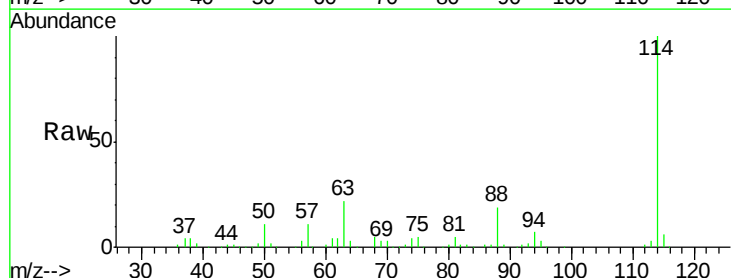
Tgt Ion: 114 Resp: 1174848

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

88 19.3 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

600000

500000

400000

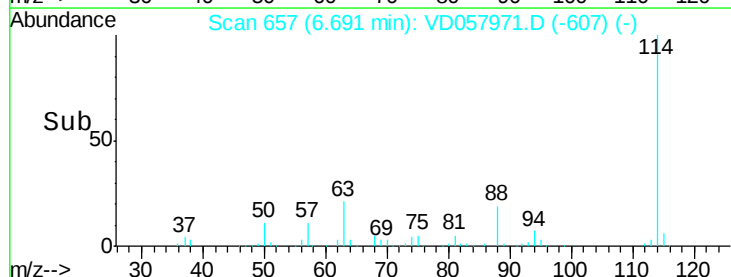
300000

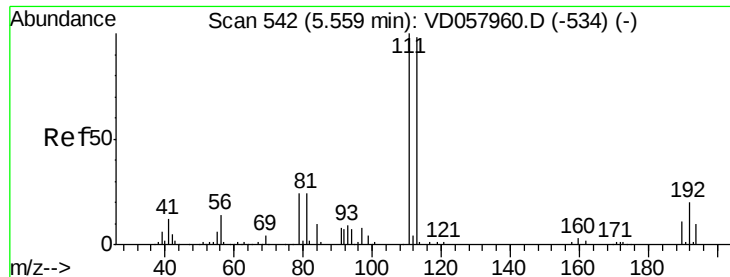
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

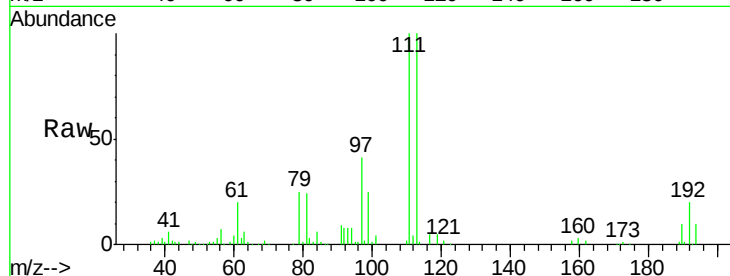
Tot Ion:113 Resp: 446433

Ion Ratio Lower Upper

113 100

111 99.9 81.5 122.3

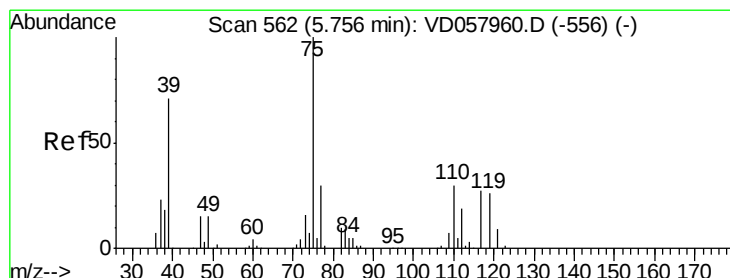
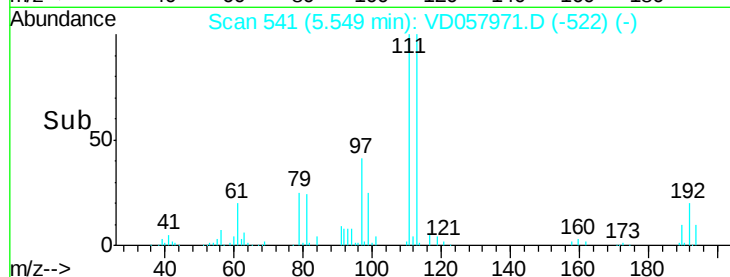
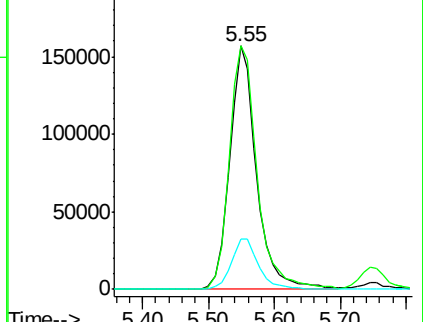
192 20.5 16.4 24.6



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: 52.257 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

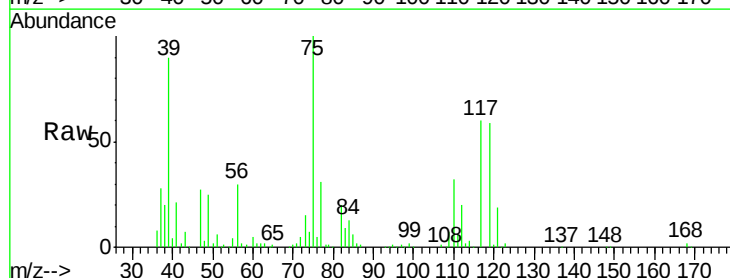
Tgt Ion: 75 Resp: 676405

Ion Ratio Lower Upper

75 100

110 31.7 14.8 44.3

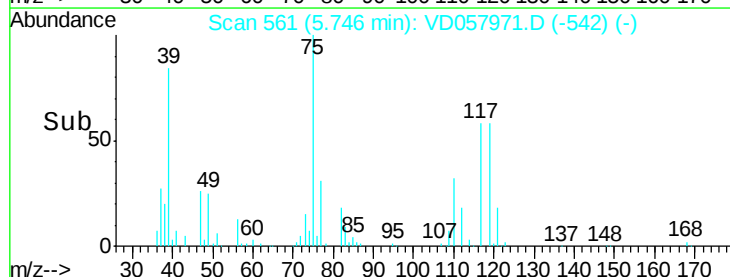
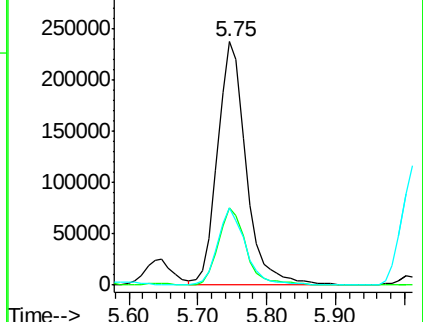
77 31.5 23.9 35.9

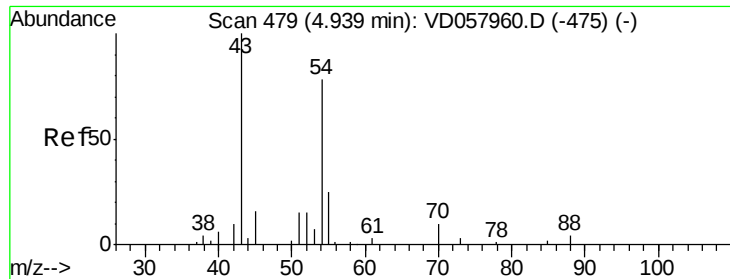


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

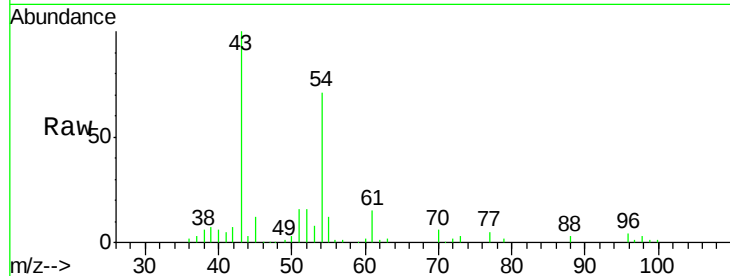




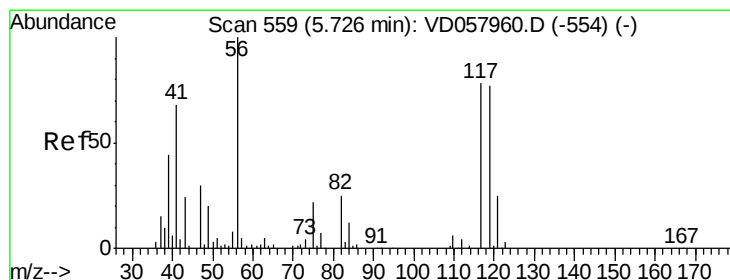
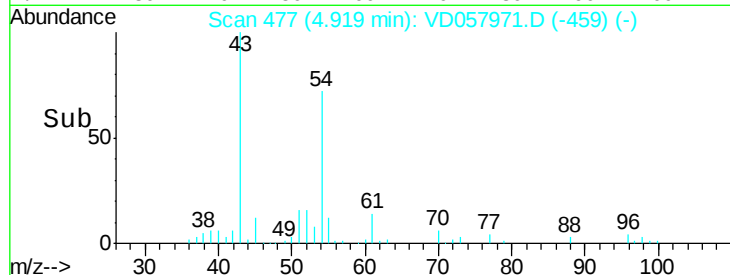
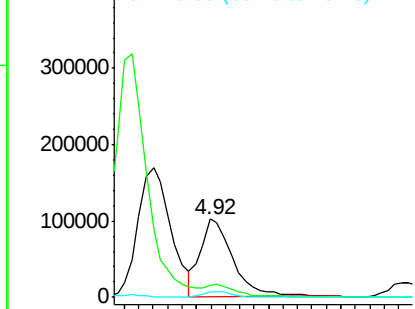
#37
Ethyl Acetate
Concen: 44.680 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampled :
S39-0177MS

Tot Ion: 43 Resp: 315561
Ion Ratio Lower Upper
43 100
61 14.7 9.9 14.9
70 6.4 5.7 8.5

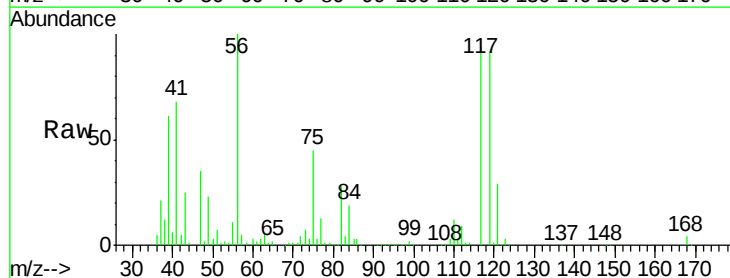


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

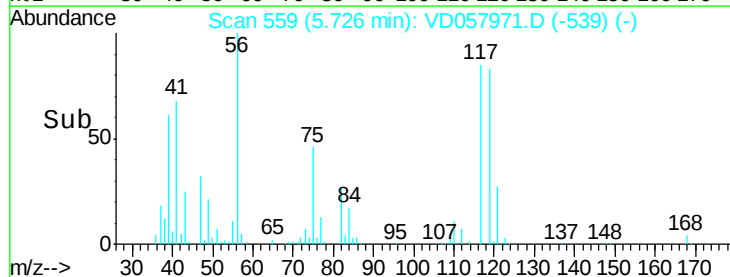
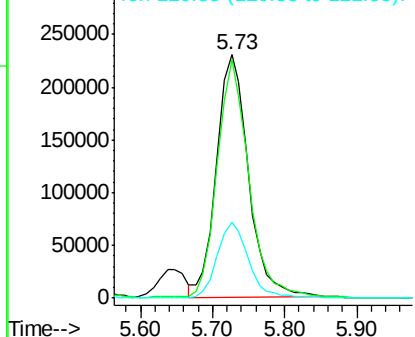


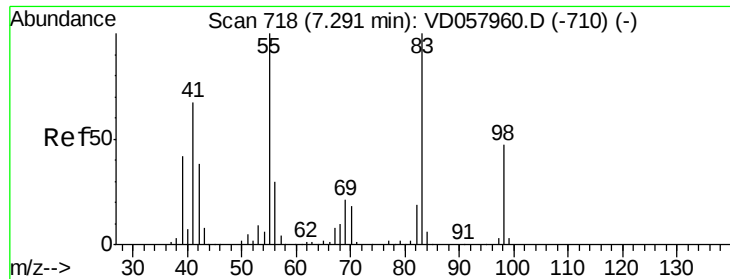
#38
Carbon Tetrachloride
Concen: 55.310 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 117 Resp: 705566
Ion Ratio Lower Upper
117 100
119 97.8 76.1 114.1
121 31.2 24.9 37.3



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

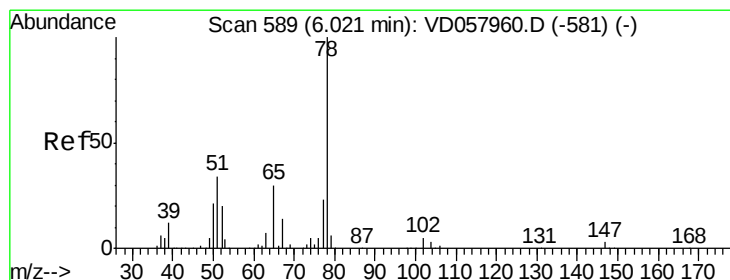
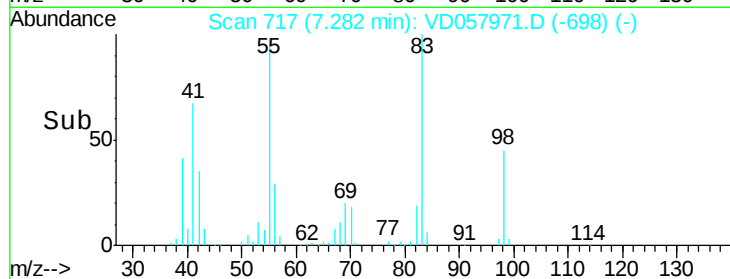
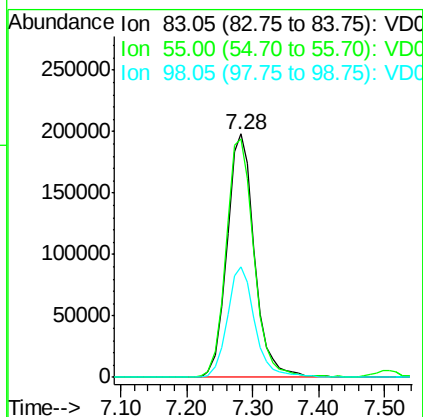
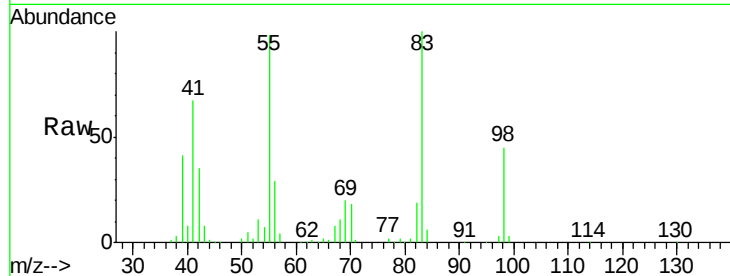




#39
Methvlcvclohexane
Concen: 45.035 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

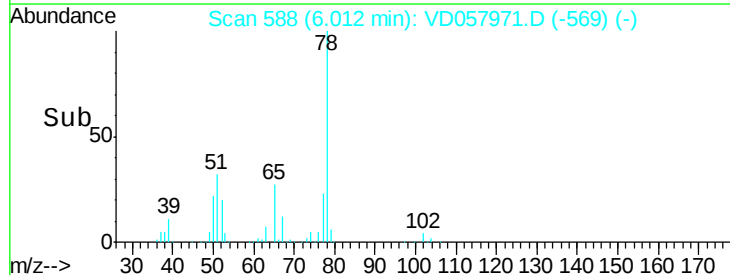
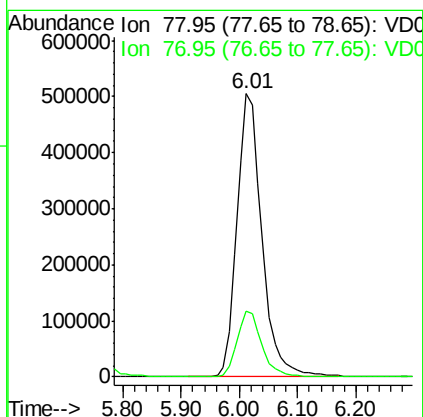
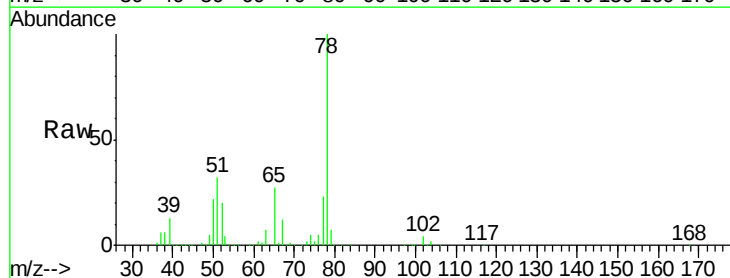
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

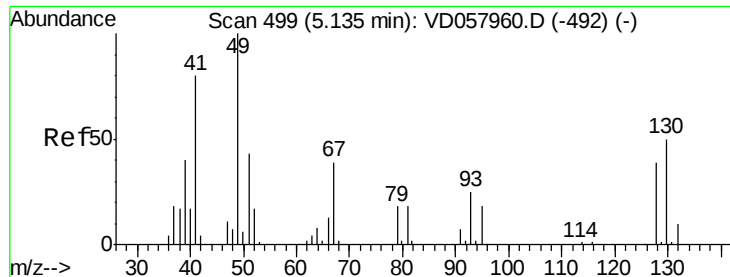
Tot Ion: 83 Resp: 577855
Ion Ratio Lower Upper
83 100
55 98.0 80.3 120.5
98 45.4 38.0 57.0



#40
Benzene
Concen: 49.563 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 78 Resp: 1498643
Ion Ratio Lower Upper
78 100
77 23.1 18.1 27.1

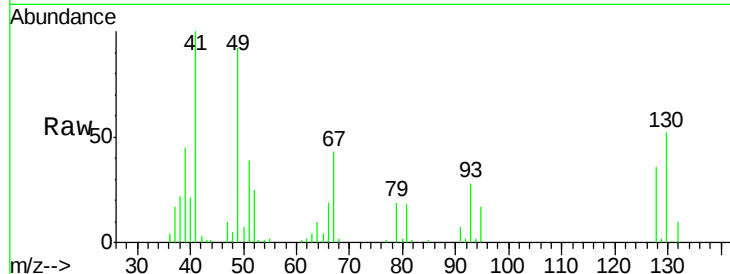




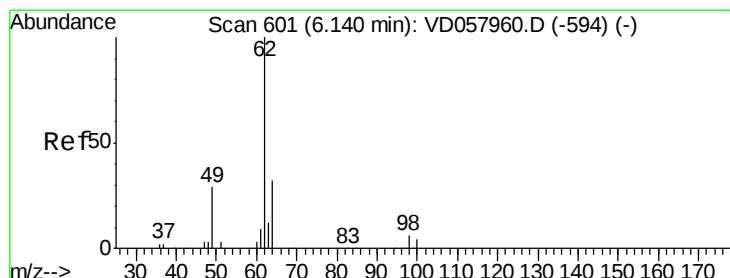
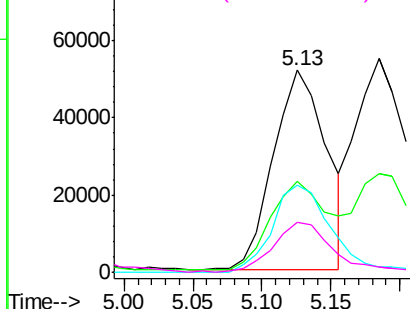
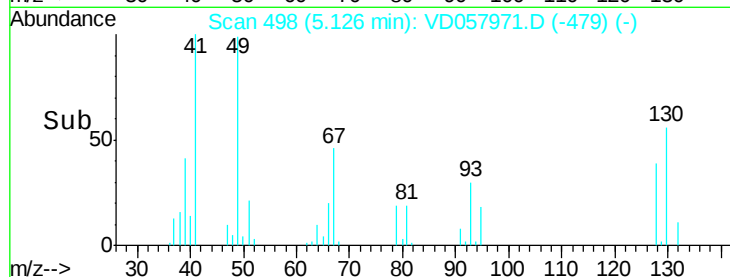
#41
Methacrylonitrile
Concen: 42.881 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion: 41 Resp: 138479
Ion Ratio Lower Upper
41 100
39 45.3 40.7 61.1
67 42.9 38.8 58.2
52 24.8 17.3 25.9

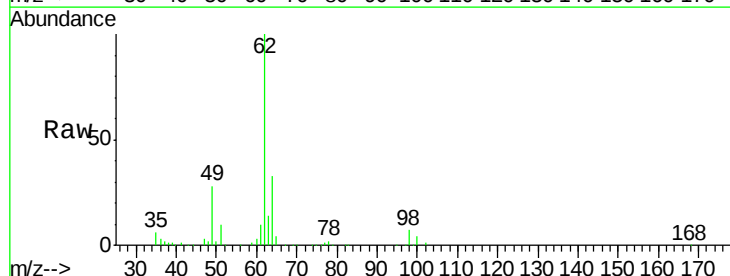


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

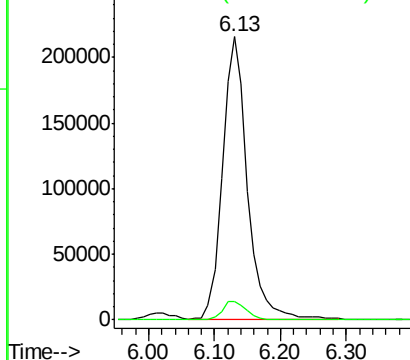
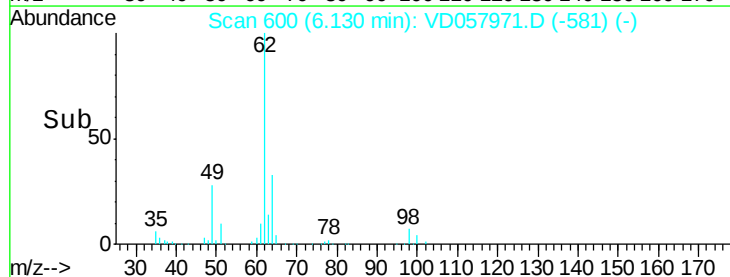


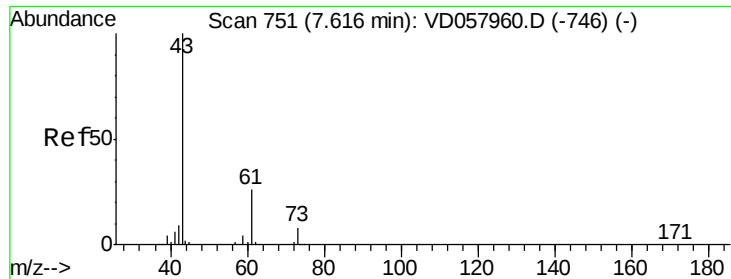
#42
1,2-Dichloroethane
Concen: 45.960 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 62 Resp: 561880
Ion Ratio Lower Upper
62 100
98 6.5 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 38.359 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

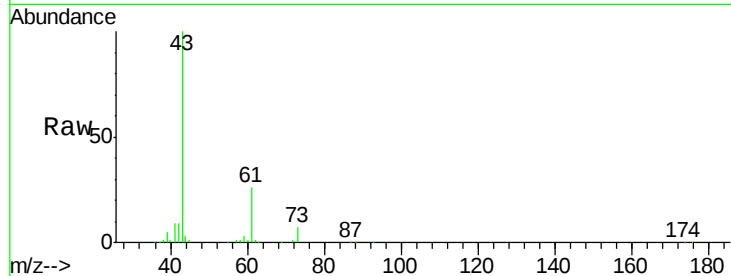
Tot Ion: 43 Resp: 354864

Ion Ratio Lower Upper

43 100

61 25.6 20.6 30.8

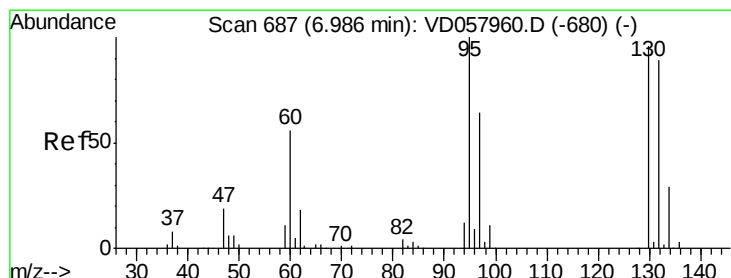
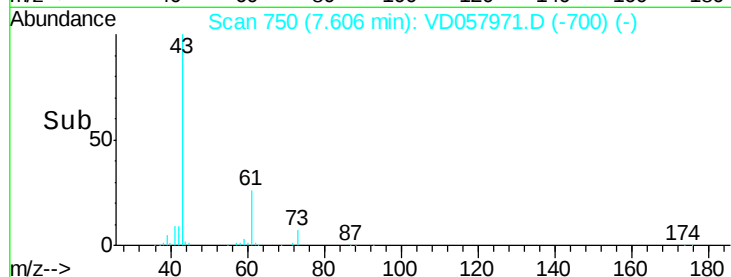
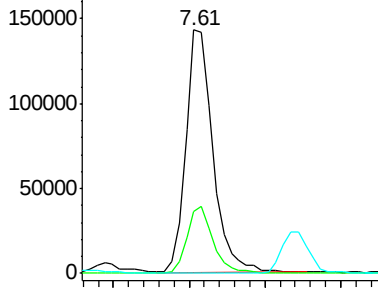
87 0.3 0.2 0.4



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: 53.537 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD057971.D

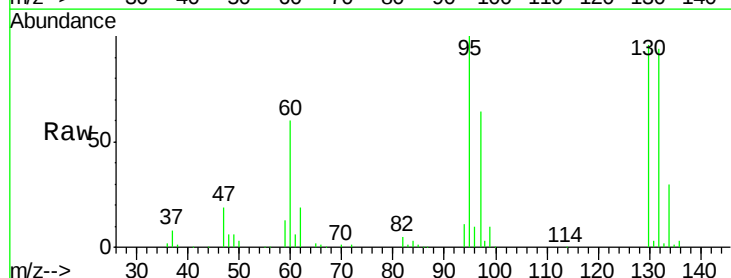
Acq: 7 Jun 2018 14:57

Tgt Ion:130 Resp: 472846

Ion Ratio Lower Upper

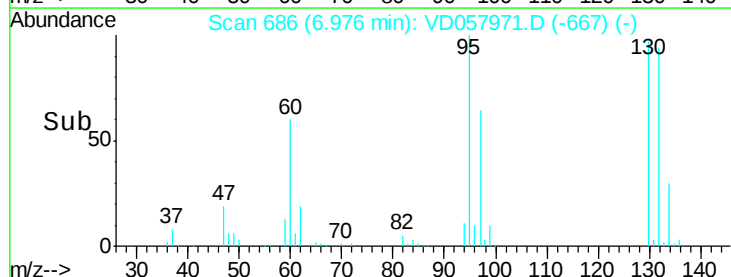
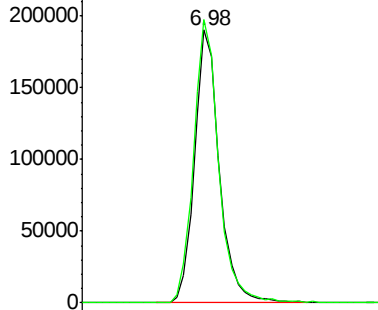
130 100

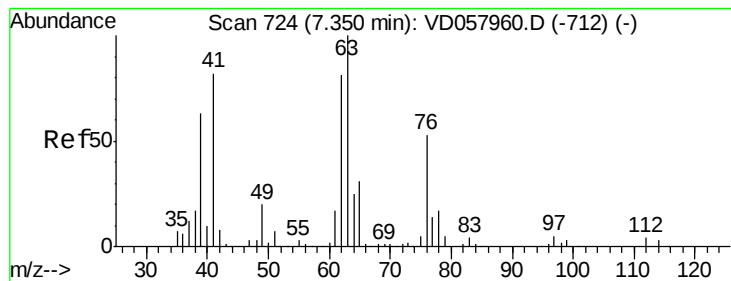
95 103.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.762 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

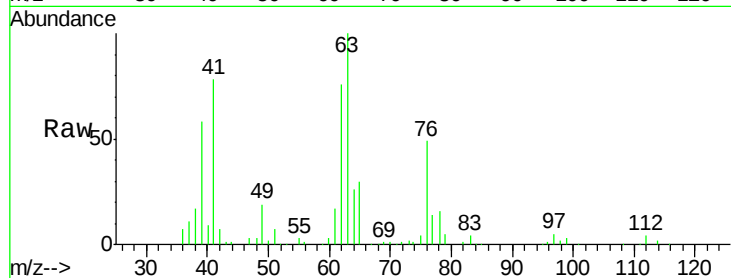
S39-0177MS

Tot Ion: 63 Resp: 409797

Ion Ratio Lower Upper

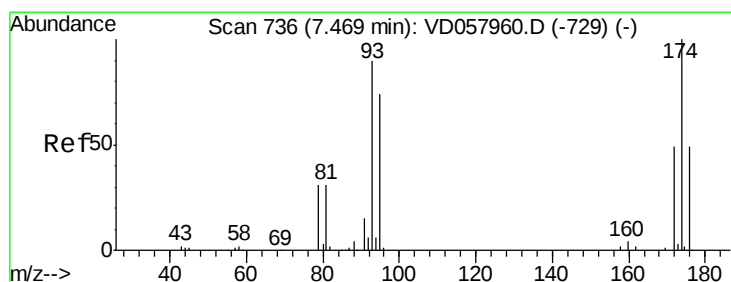
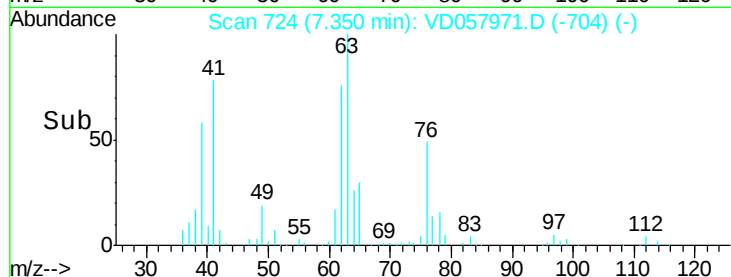
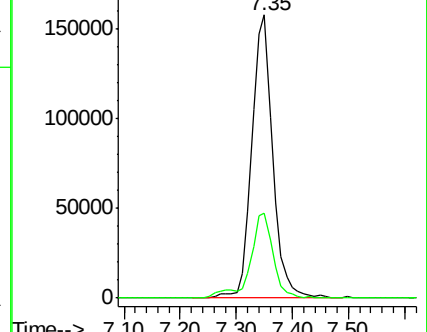
63 100

65 30.0 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: 43.916 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

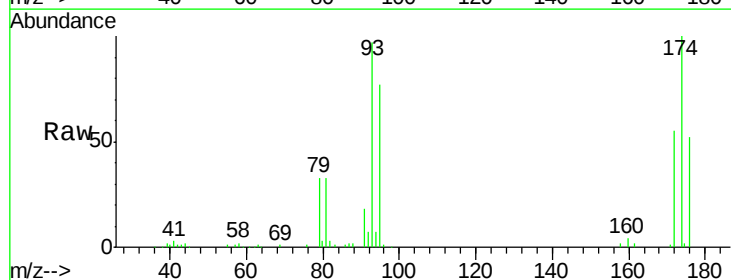
Tgt Ion: 93 Resp: 237088

Ion Ratio Lower Upper

93 100

95 79.5 65.7 98.5

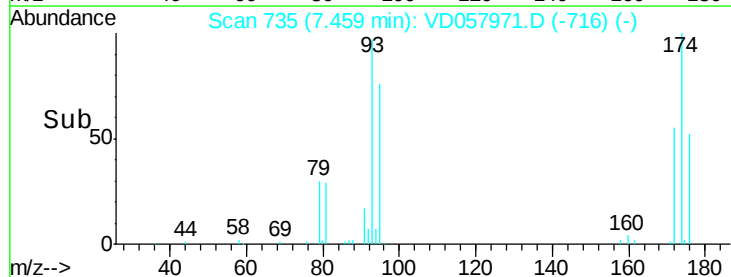
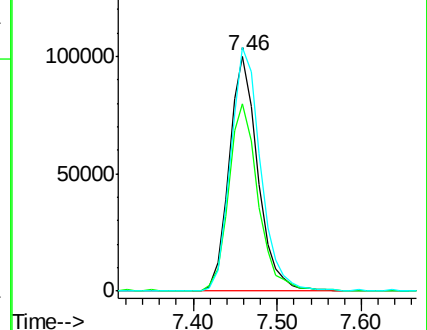
174 103.6 89.0 133.4

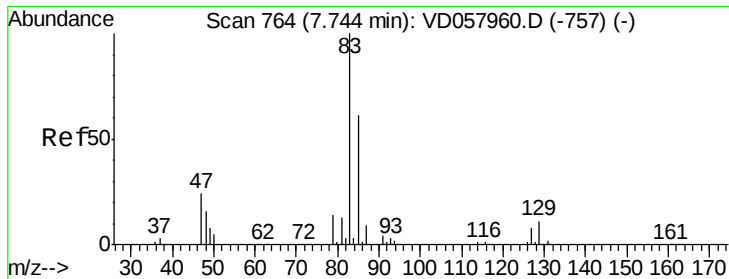


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.784 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

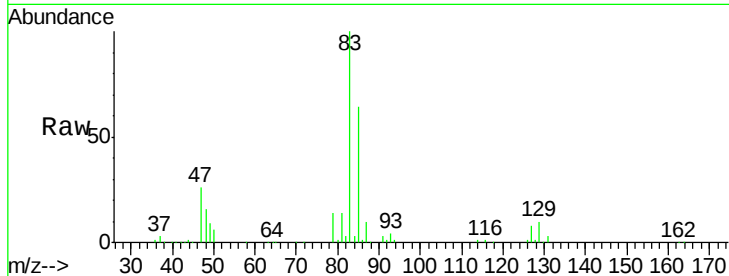
Tot Ion: 83 Resp: 616659

Ion Ratio Lower Upper

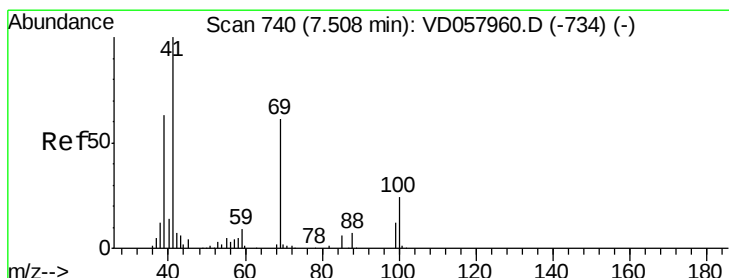
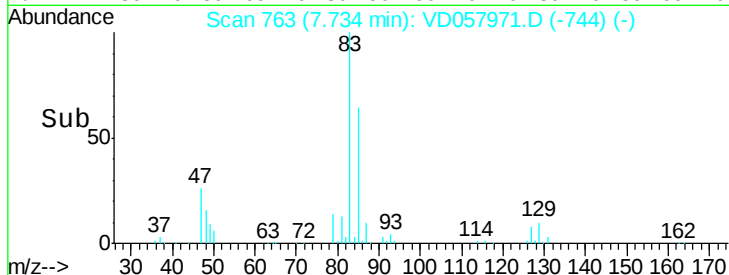
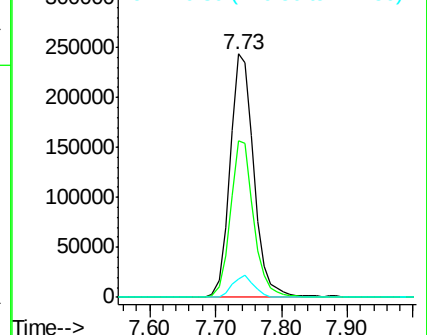
83 100

85 64.2 49.1 73.7

127 7.7 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: 39.242 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

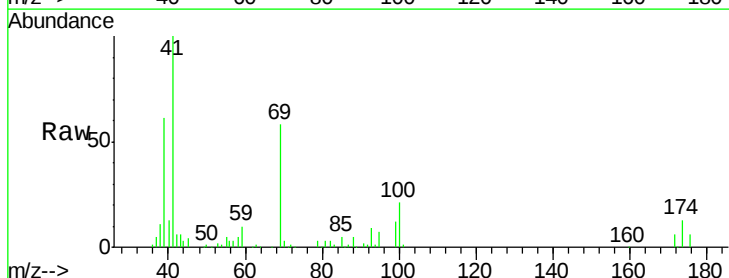
Tgt Ion: 41 Resp: 223442

Ion Ratio Lower Upper

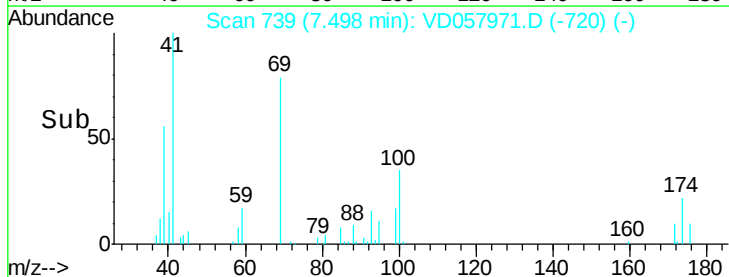
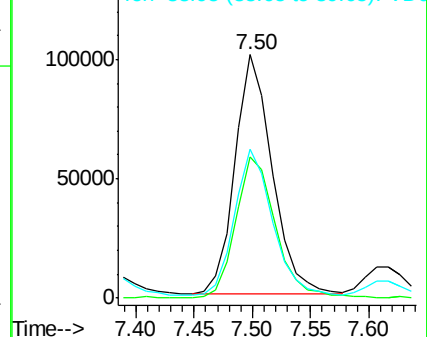
41 100

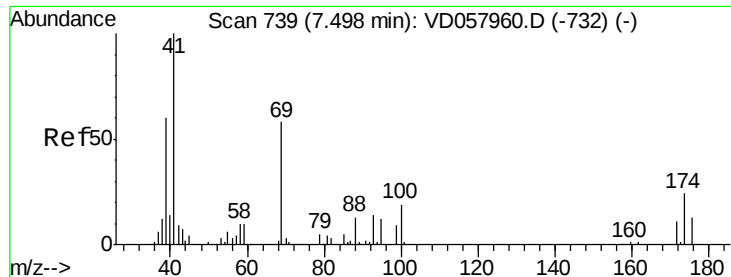
69 58.1 48.0 72.0

39 61.0 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

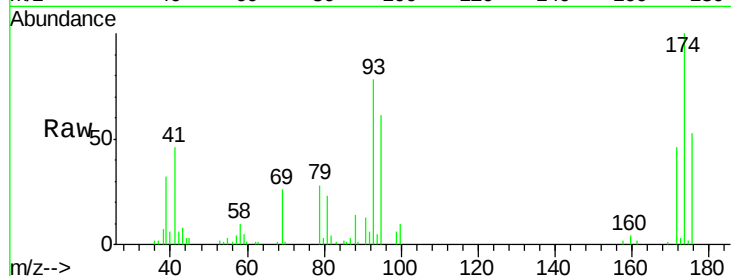




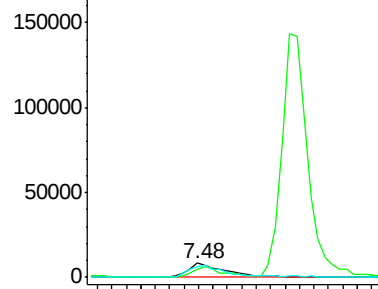
#49
1,4-Dioxane
Concen: 648.931 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

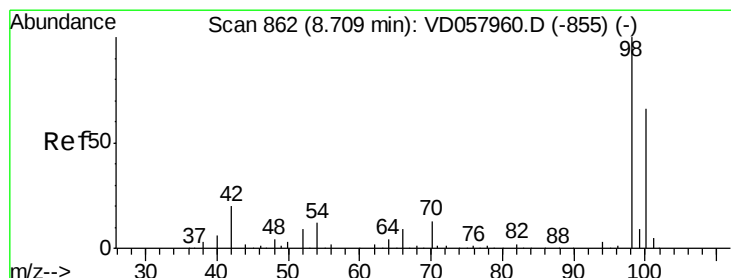
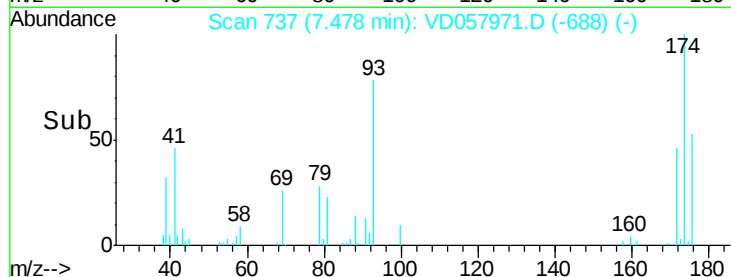
Tot Ion: 88 Resp: 30610
Ion Ratio Lower Upper
88 100
43 52.9 46.6 69.8
58 72.0 63.6 95.4



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

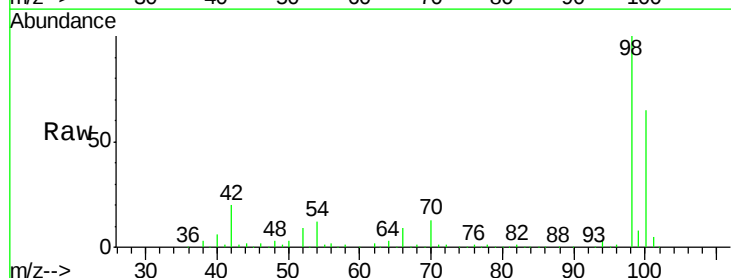


Time-->

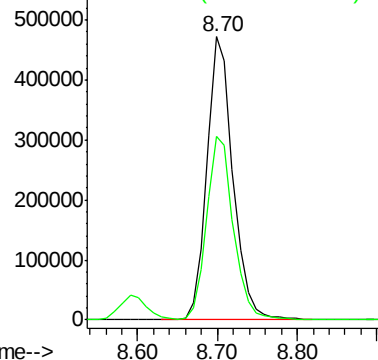


#50
Toluene-d8
Concen: 648.931 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

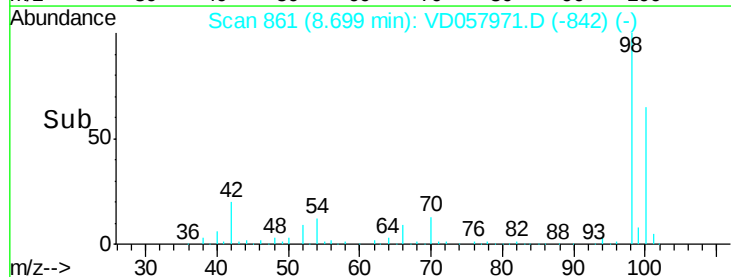
Tgt Ion: 98 Resp: 1076393
Ion Ratio Lower Upper
98 100
100 64.7 53.4 80.0

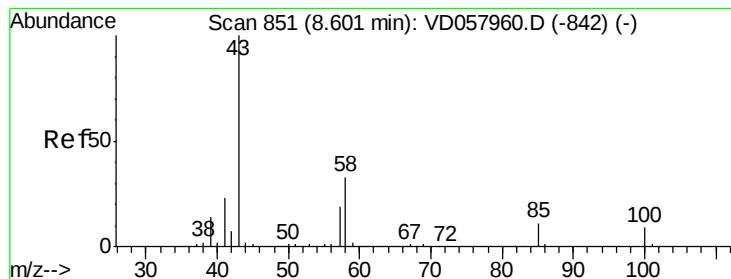


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 187.429 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleID :

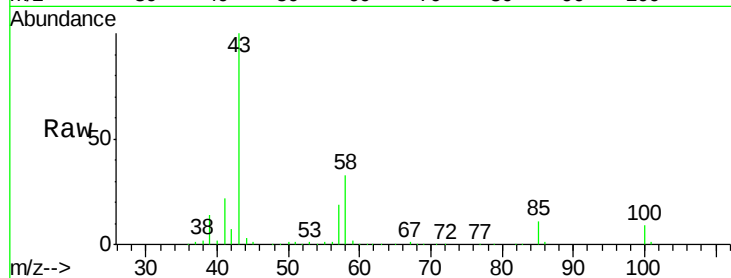
S39-0177MS

Tot Ion: 43 Resp: 1112153

Ion Ratio Lower Upper

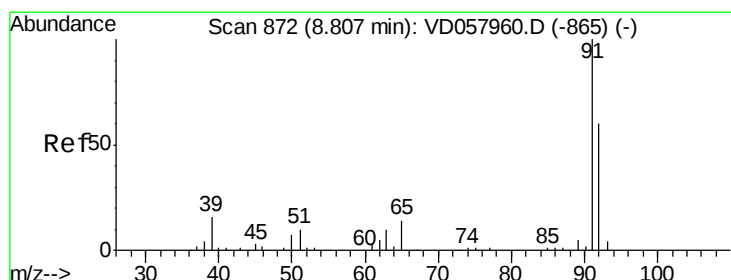
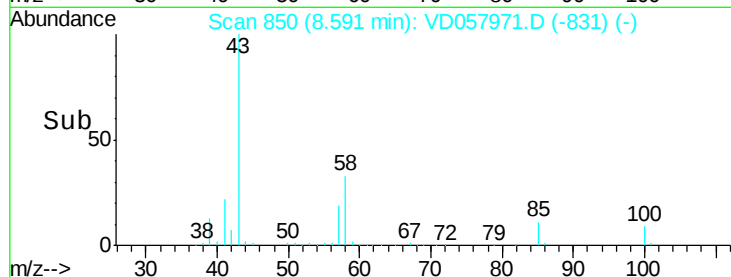
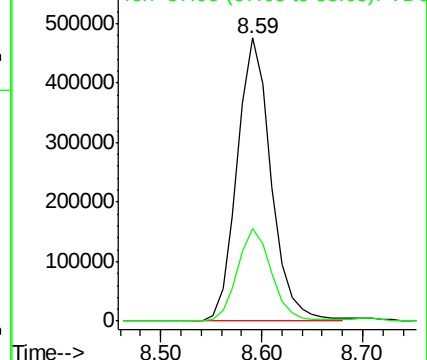
43 100

58 32.6 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: 49.345 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD057971.D

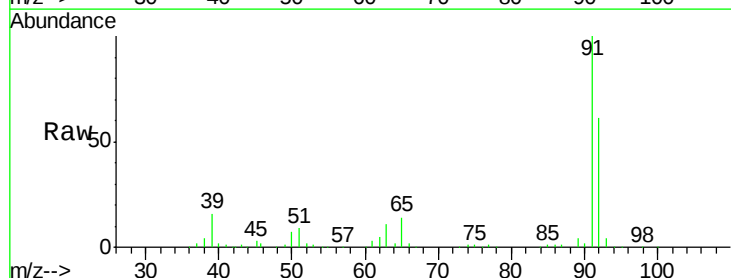
Acq: 7 Jun 2018 14:57

Tgt Ion: 92 Resp: 856307

Ion Ratio Lower Upper

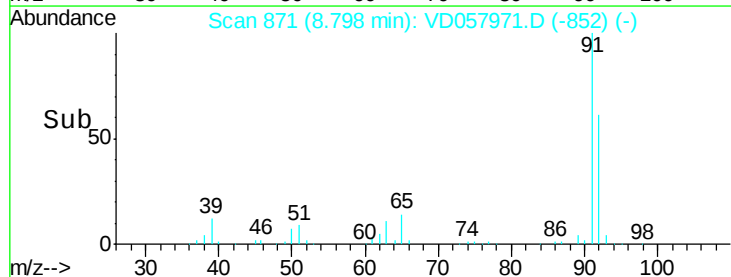
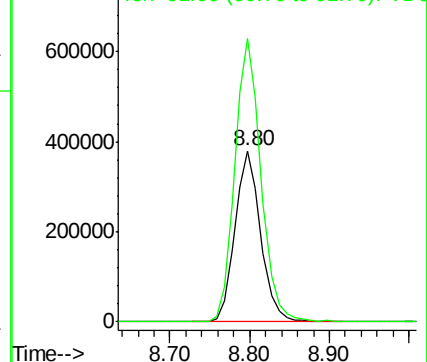
92 100

91 165.2 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

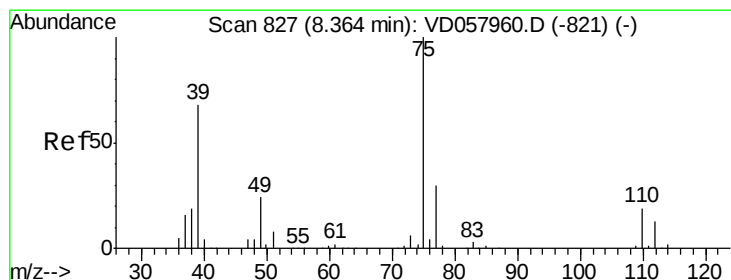
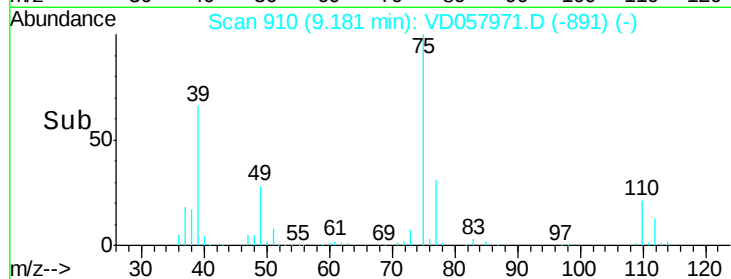
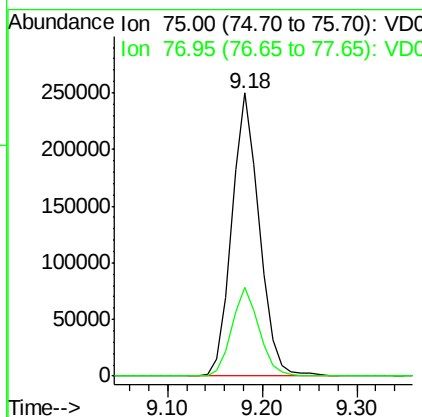
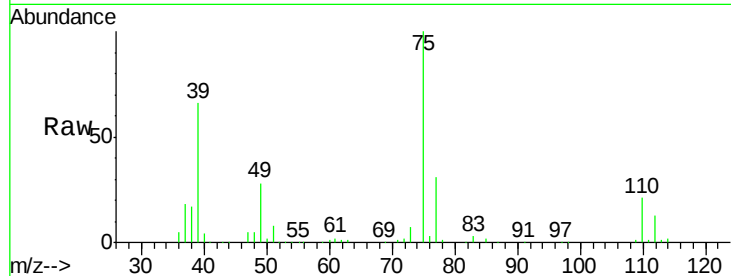




#53
 t-1,3-Dichloropropene
 Concen: 46.056 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

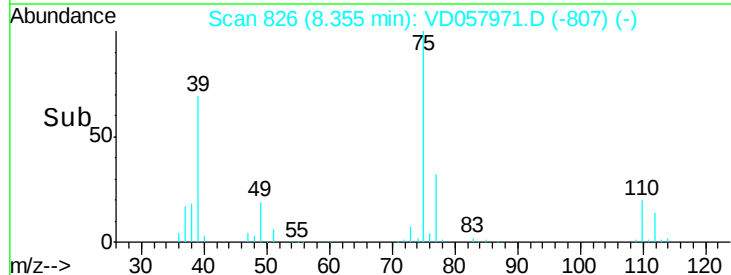
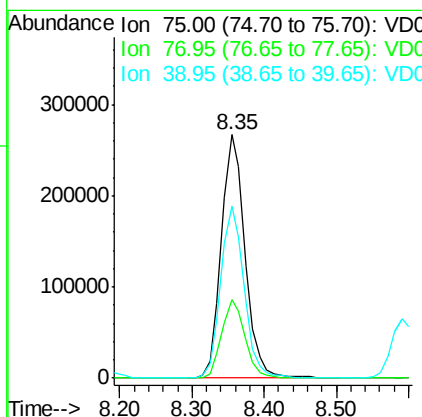
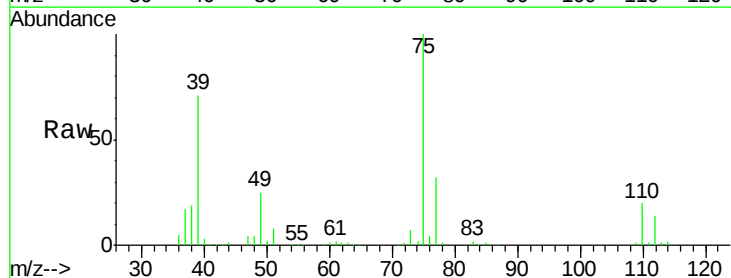
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

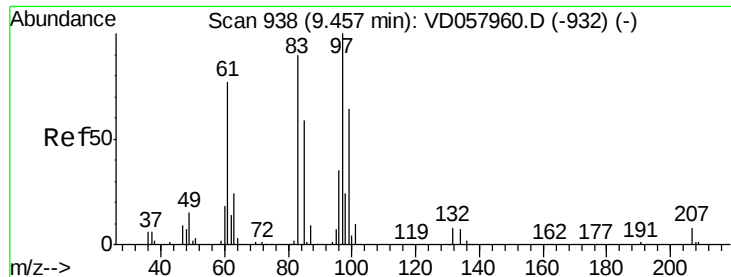
Tot Ion: 75 Resp: 501570
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 47.294 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion: 75 Resp: 606790
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.1 36.1
 39 70.6 54.0 81.0

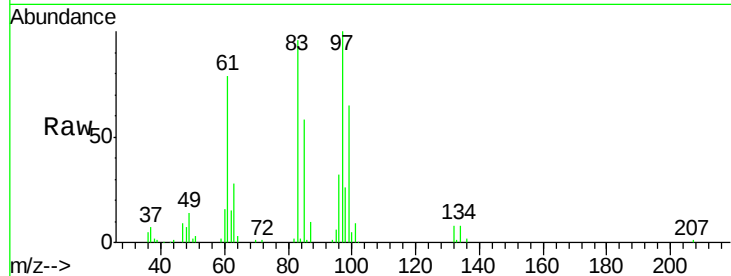




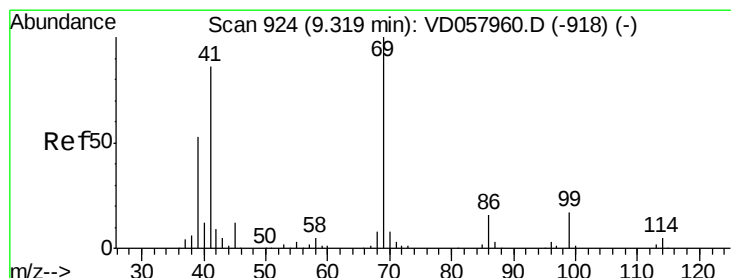
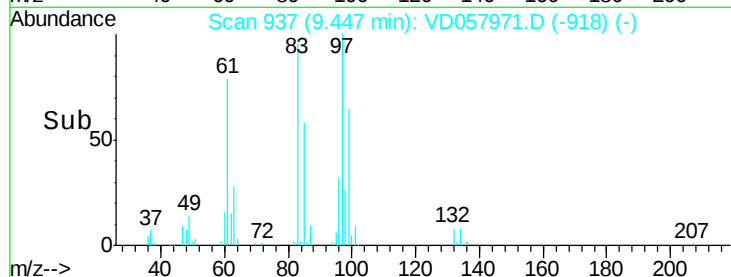
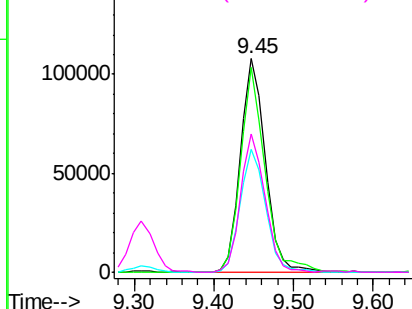
#55
 1,1,2-Trichloroethane
 Concen: 41.455 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

Tot Ion: 97 Resp: 232826
 Ion Ratio Lower Upper
 97 100
 83 96.1 71.8 107.8
 85 57.5 47.2 70.8
 99 65.0 51.4 77.0

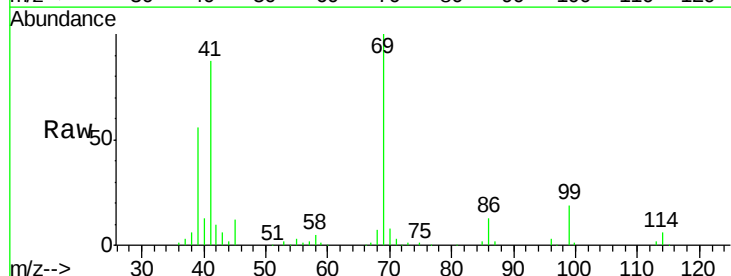


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

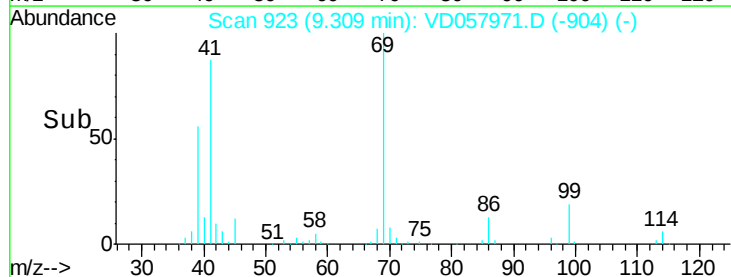
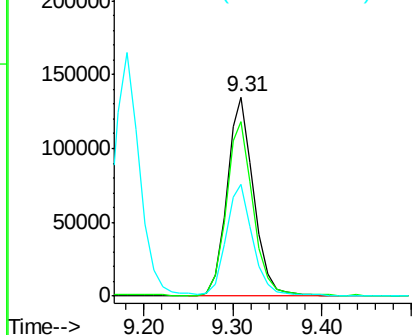


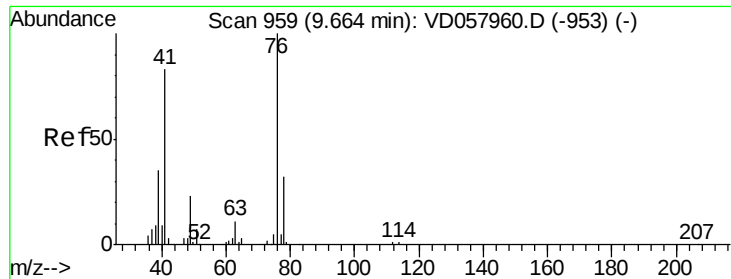
#56
 Ethyl methacrylate
 Concen: 41.054 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion: 69 Resp: 282831
 Ion Ratio Lower Upper
 69 100
 41 87.4 68.4 102.6
 39 56.4 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: 43.135 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

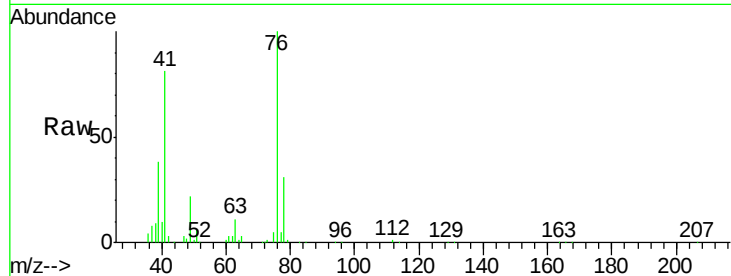
S39-0177MS

Tot Ion: 76 Resp: 424903

Ion Ratio Lower Upper

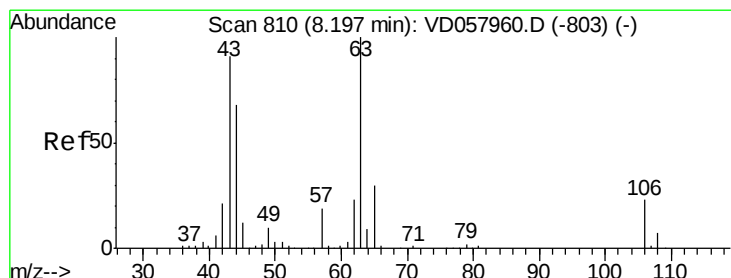
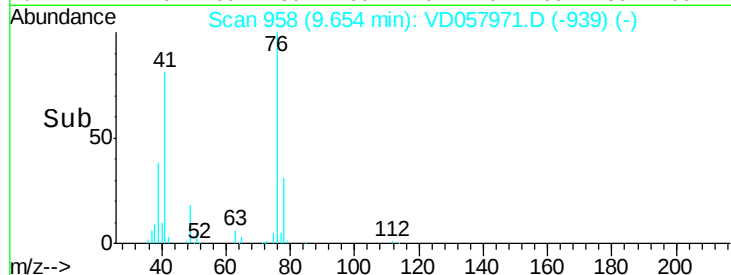
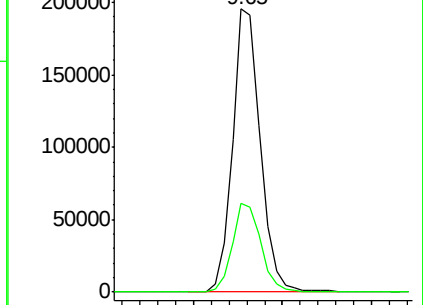
76 100

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: 181.163 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD057971.D

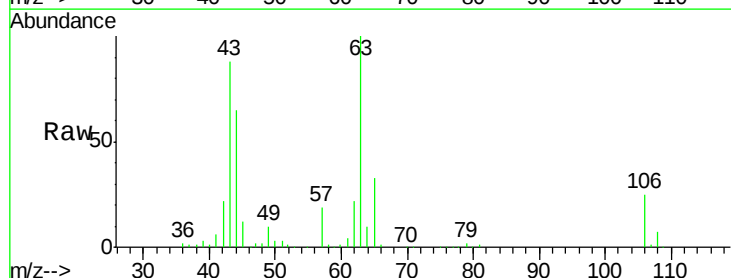
Acq: 7 Jun 2018 14:57

Tgt Ion: 63 Resp: 630567

Ion Ratio Lower Upper

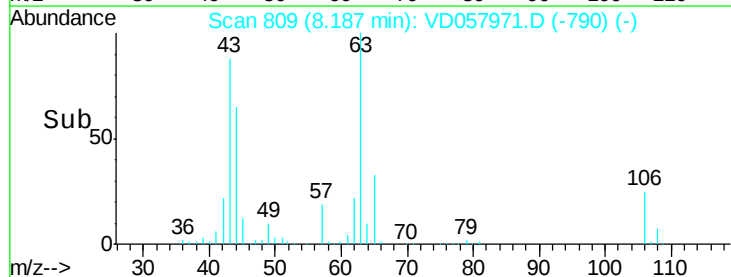
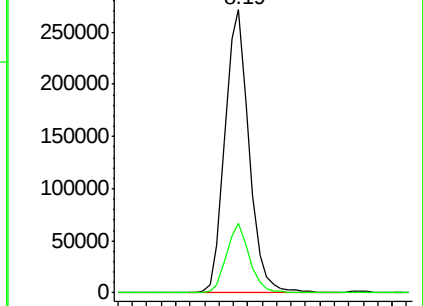
63 100

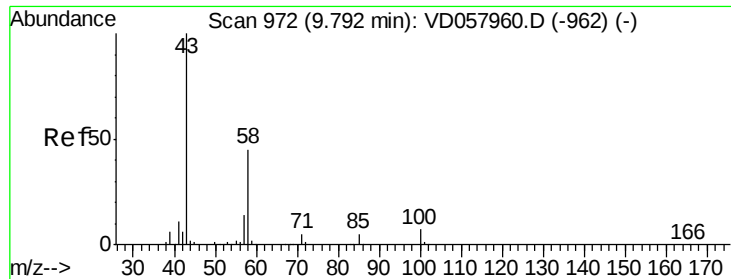
106 24.7 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

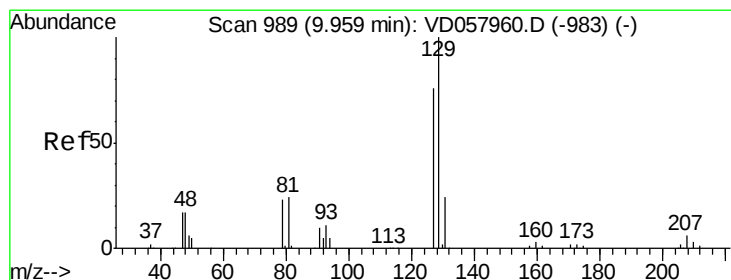
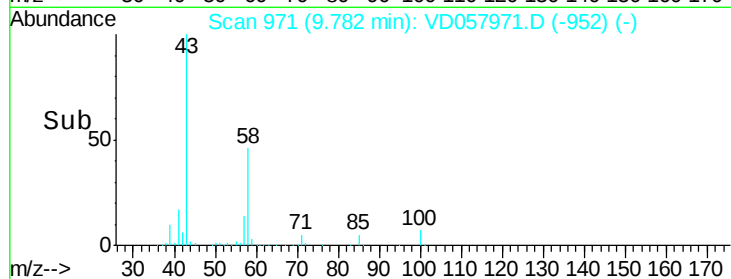
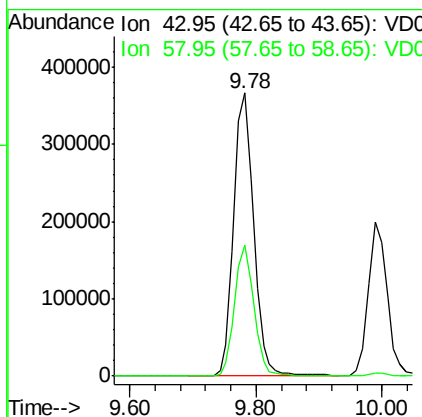
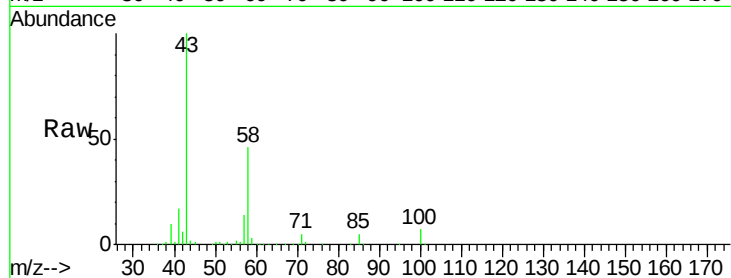




#59
 2-Hexanone
 Concen: 183.730 ug/l
 RT: 9.78 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

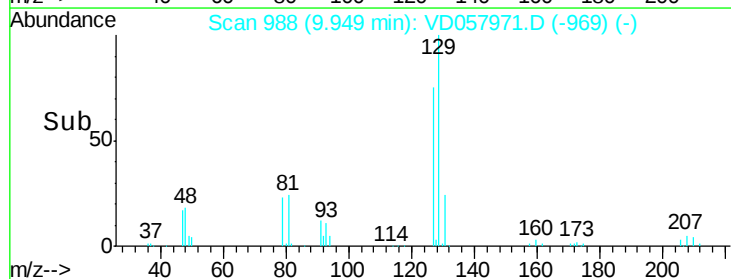
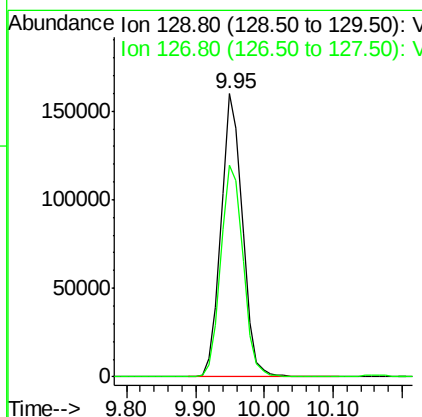
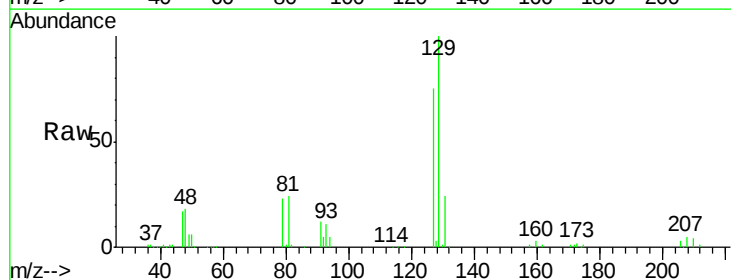
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

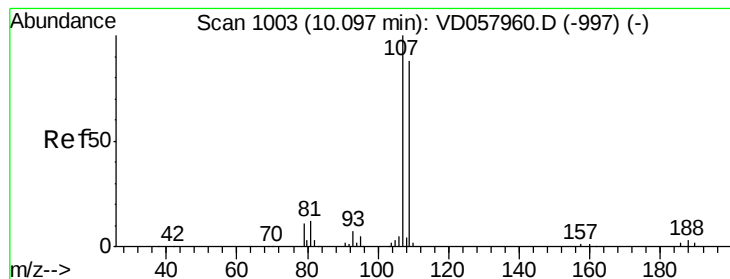
Tot Ion: 43 Resp: 798942
 Ion Ratio Lower Upper
 43 100
 58 46.2 22.5 67.5



#60
 Dibromochloromethane
 Concen: 43.604 ug/l
 RT: 9.95 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion: 129 Resp: 345337
 Ion Ratio Lower Upper
 129 100
 127 74.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 41.205 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

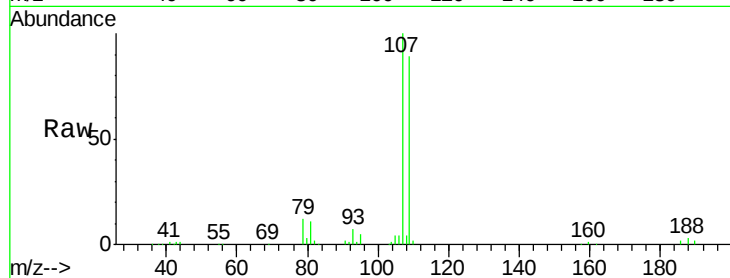
S39-0177MS

Tot Ion: 107 Resp: 266136

Ion Ratio Lower Upper

107 100

109 88.6 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

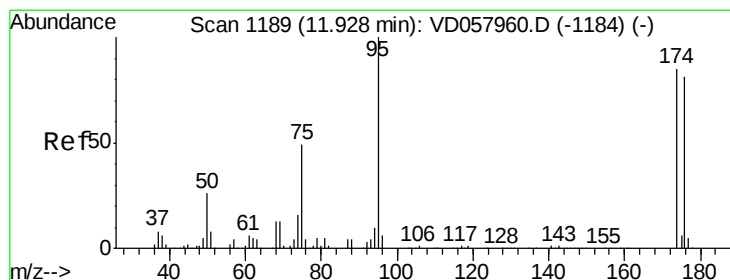
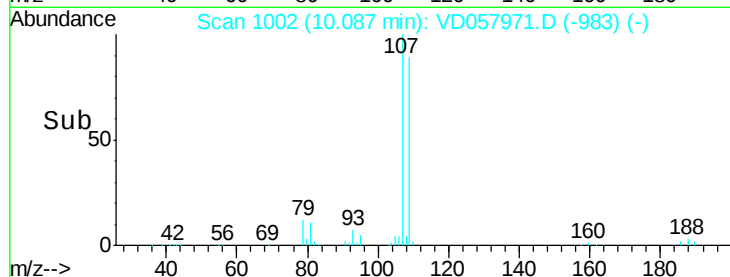
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.205 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

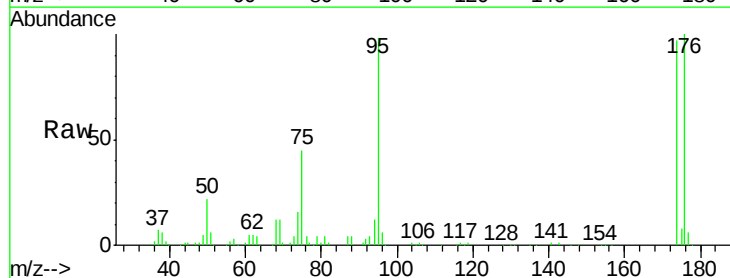
Tgt Ion: 95 Resp: 367684

Ion Ratio Lower Upper

95 100

174 98.4 0.0 169.4

176 101.8 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

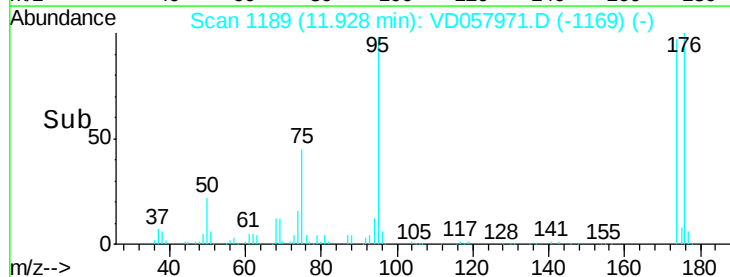
300000

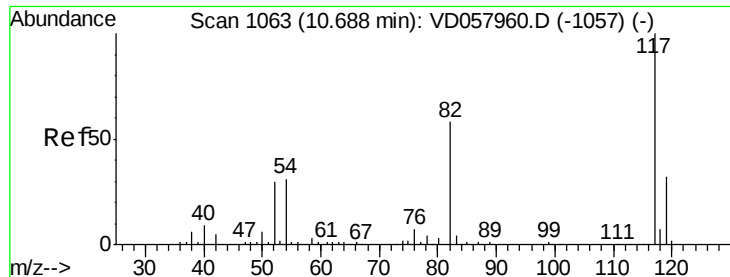
200000

100000

0

Time-->

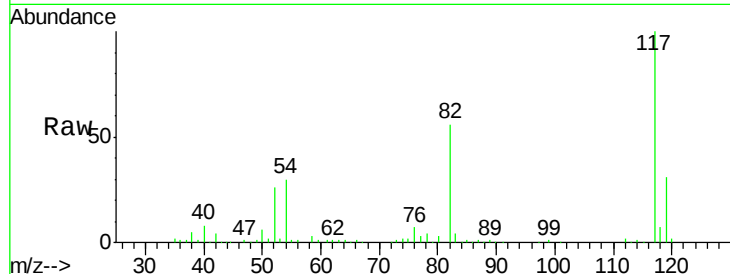




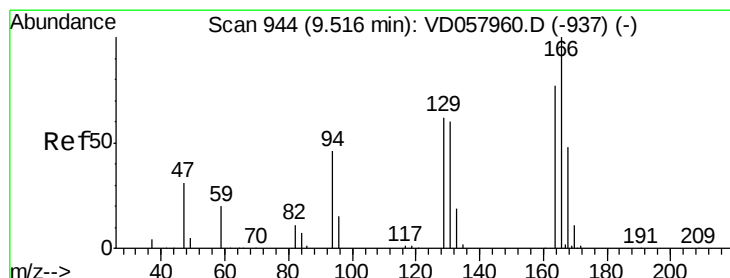
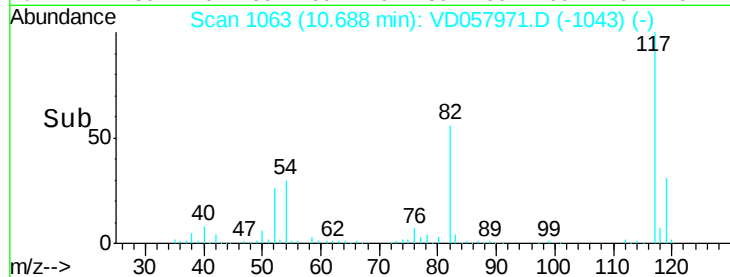
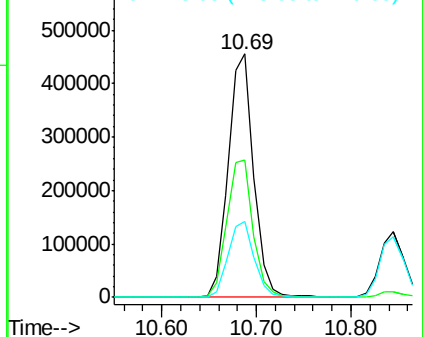
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:117 Resp: 845535
Ion Ratio Lower Upper
117 100
82 56.3 46.8 70.2
119 31.2 25.8 38.6

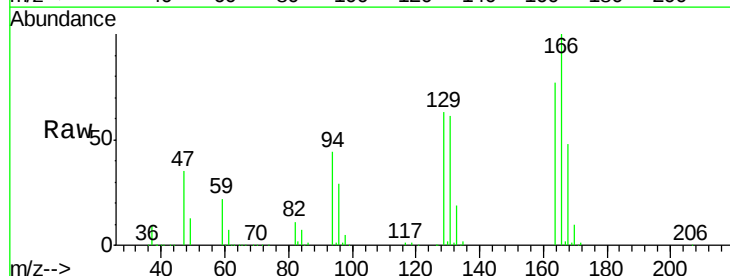


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

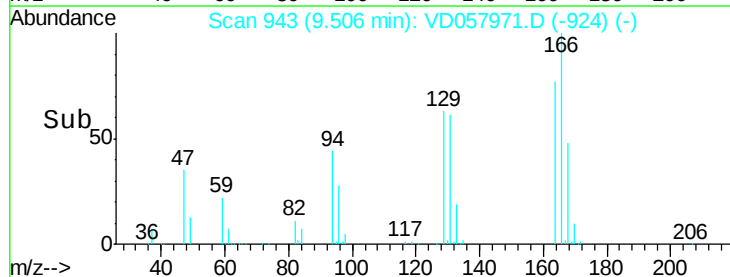
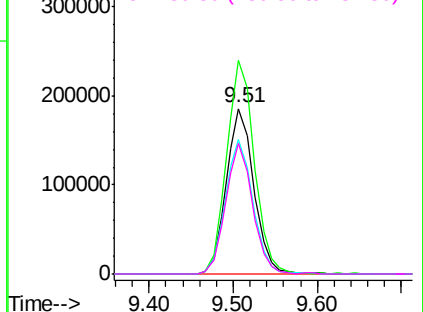


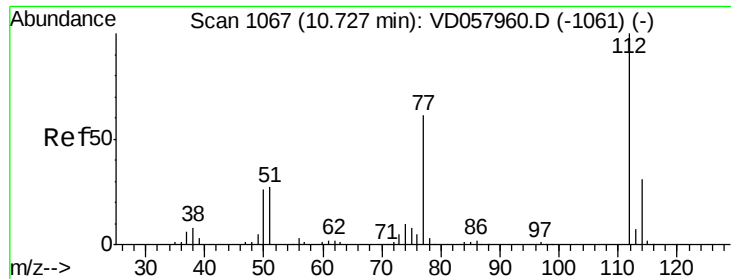
#64
Tetrachloroethene
Concen: 55.717 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion:164 Resp: 421171
Ion Ratio Lower Upper
164 100
166 129.1 104.4 156.6
129 81.6 65.0 97.6
131 78.7 62.9 94.3



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

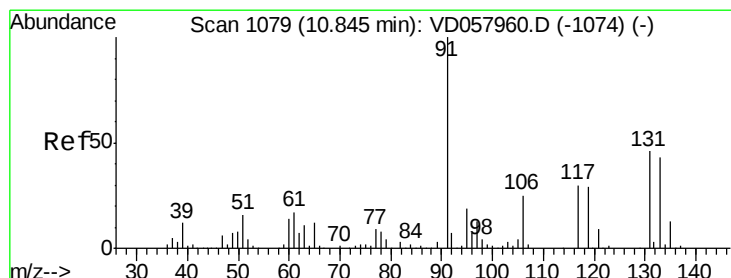
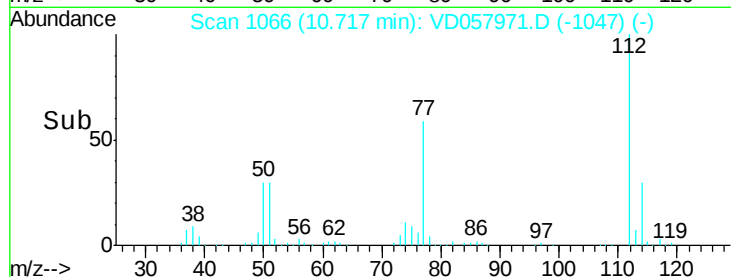
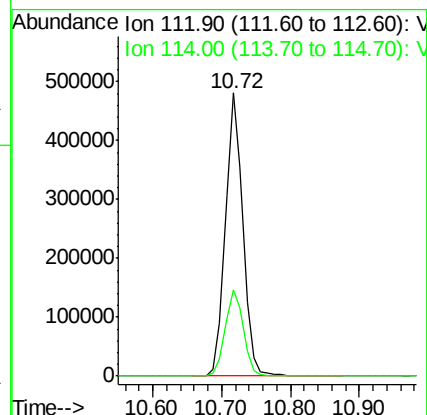
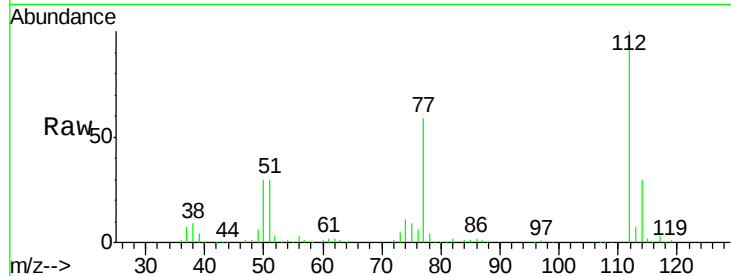




#65
Chlorobenzene
Concen: 49.274 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

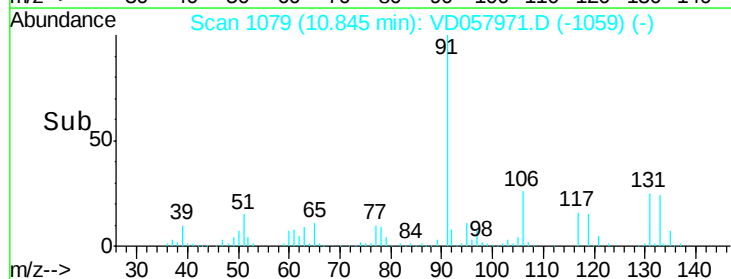
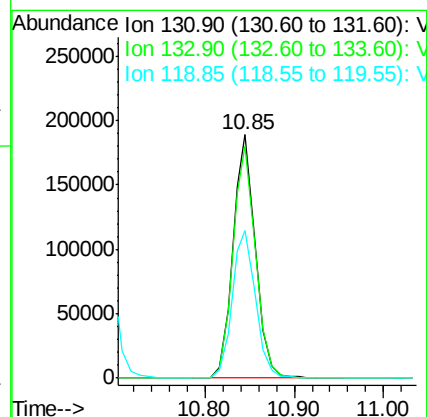
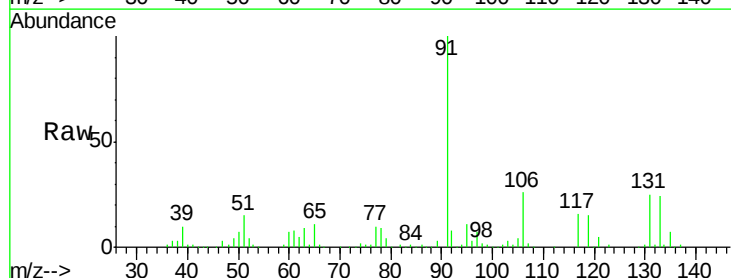
Instrument :
MSVOA_D
ClientSampled :
S39-0177MS

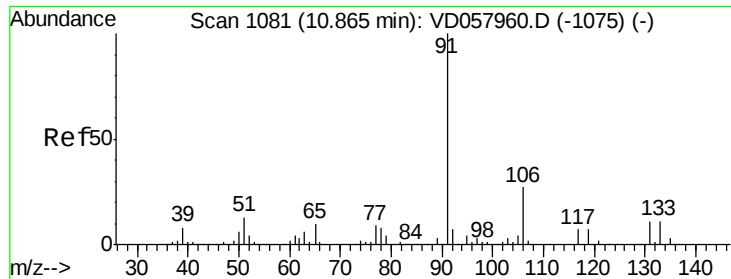
Tot Ion:112 Resp: 843427
Ion Ratio Lower Upper
112 100
114 30.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.881 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion:131 Resp: 334620
Ion Ratio Lower Upper
131 100
133 95.2 46.9 140.6
119 60.5 31.8 95.3

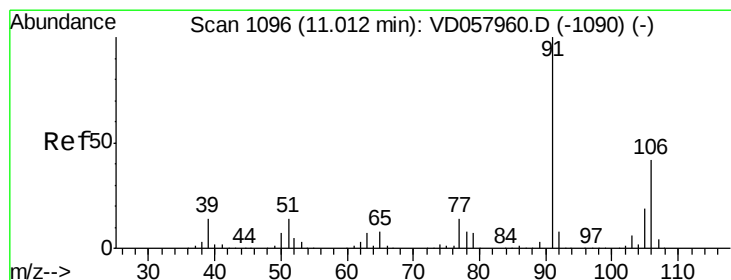
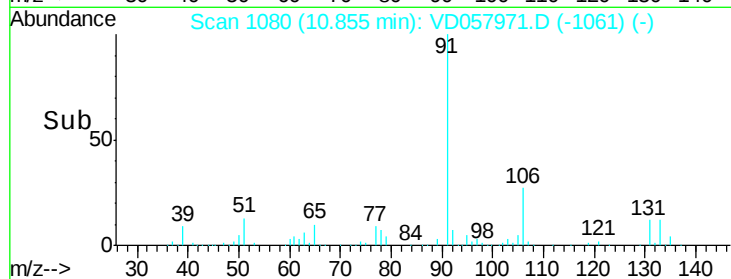
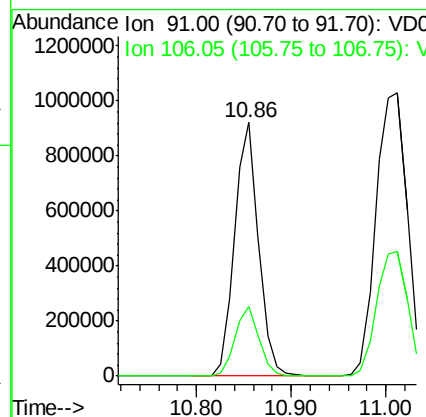
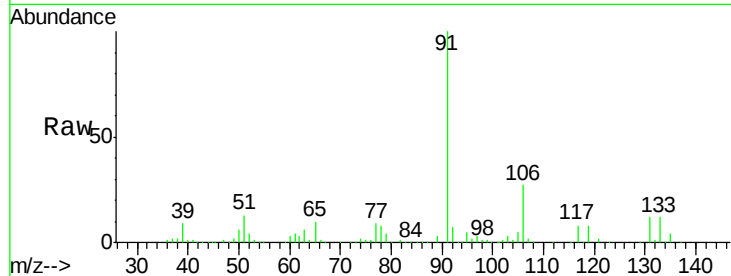




#67
Ethyl Benzene
Concen: 52.168 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

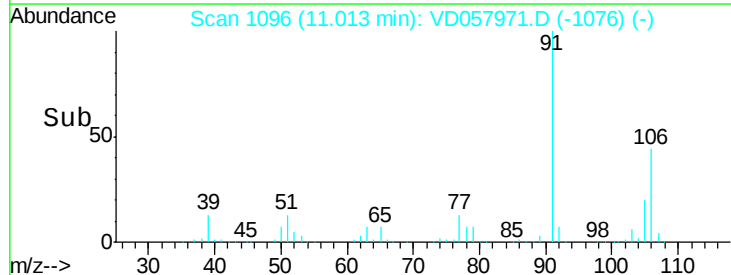
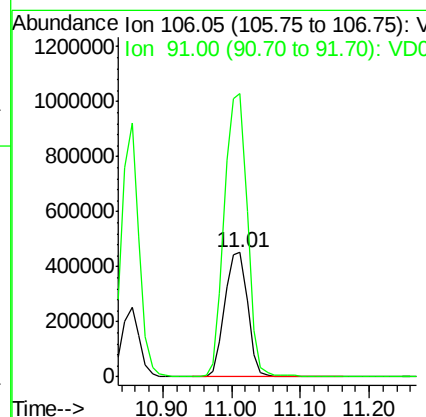
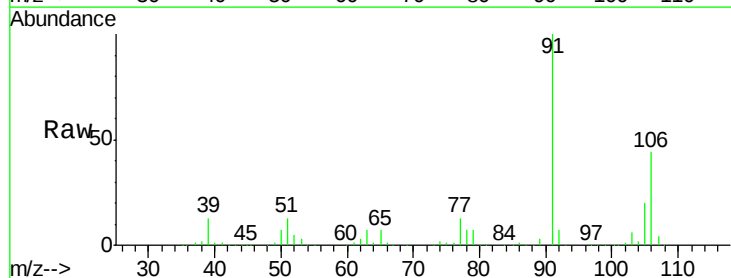
Instrument :
MSVOA_D
ClientSampled :
S39-0177MS

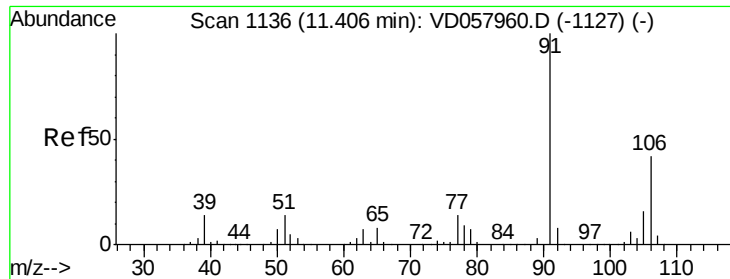
Tot Ion: 91 Resp: 1613270
Ion Ratio Lower Upper
91 100
106 27.4 21.5 32.3



#68
m/p-Xylenes
Concen: 103.270 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 106 Resp: 1041100
Ion Ratio Lower Upper
106 100
91 227.3 190.4 285.6

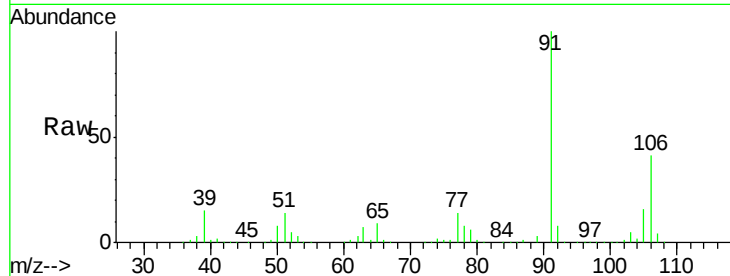




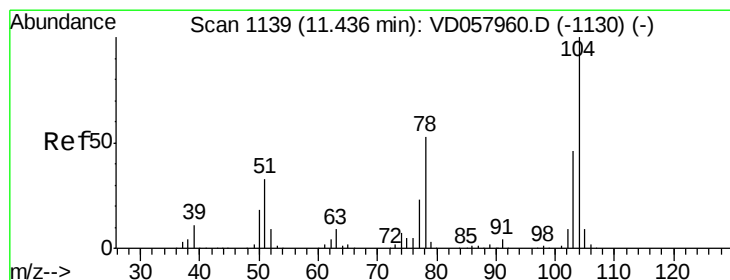
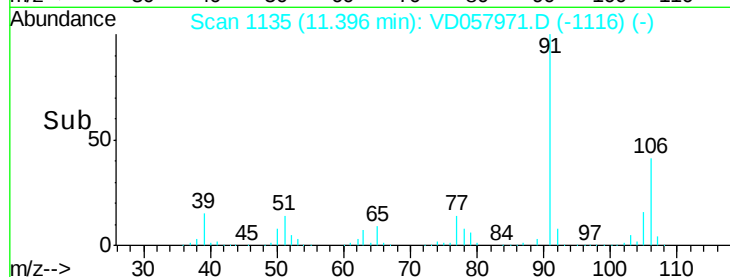
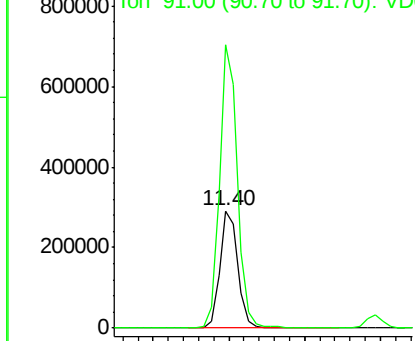
#69
o-Xylene
Concen: 48.241 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:106 Resp: 482745
Ion Ratio Lower Upper
106 100
91 241.7 120.6 361.7

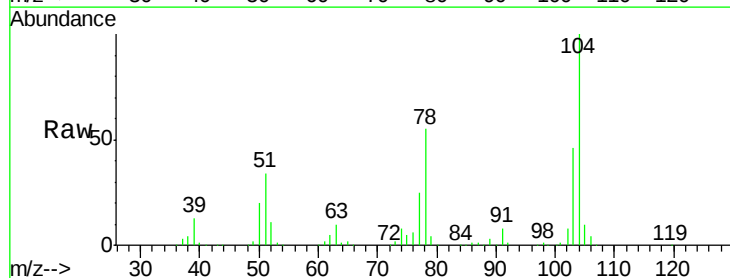


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

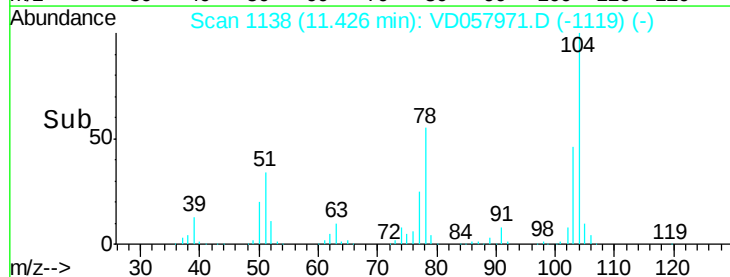
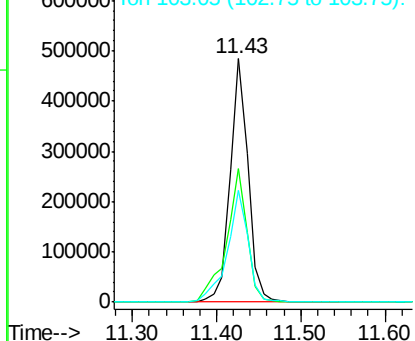


#70
Styrene
Concen: 43.387 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion:104 Resp: 718732
Ion Ratio Lower Upper
104 100
78 54.8 42.1 63.1
103 46.0 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: 43.154 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

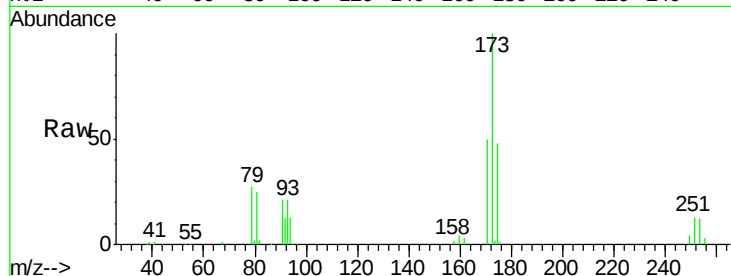
Tot Ion:173 Resp: 213494

Ion Ratio Lower Upper

173 100

175 47.5 25.1 75.2

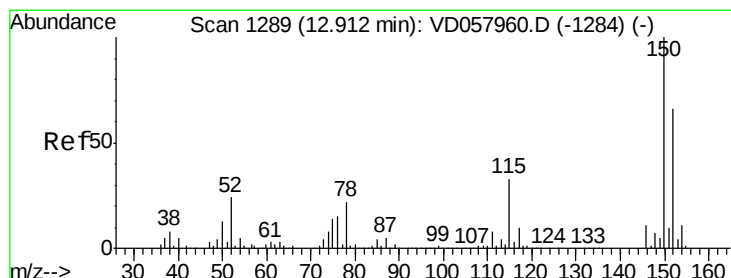
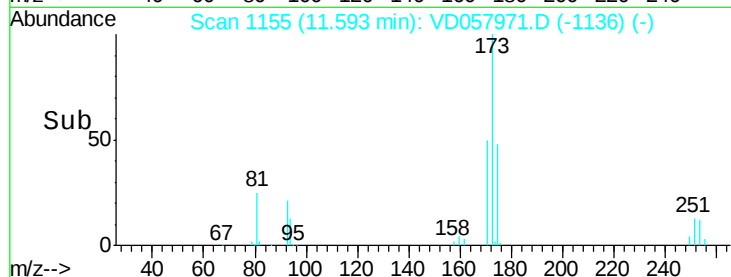
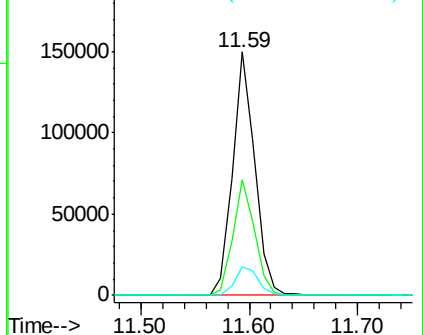
254 11.6 10.7 16.1



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: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

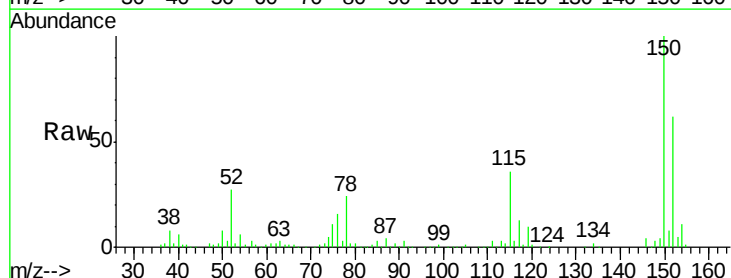
Tgt Ion:152 Resp: 308832

Ion Ratio Lower Upper

152 100

115 58.1 25.6 76.6

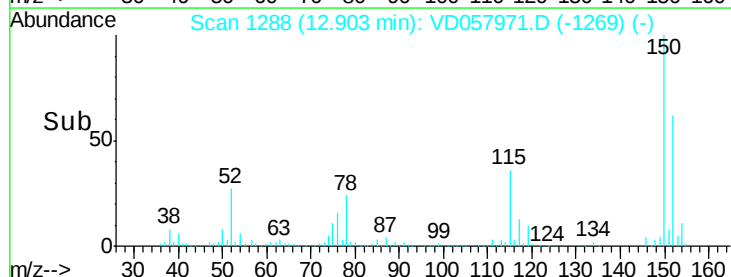
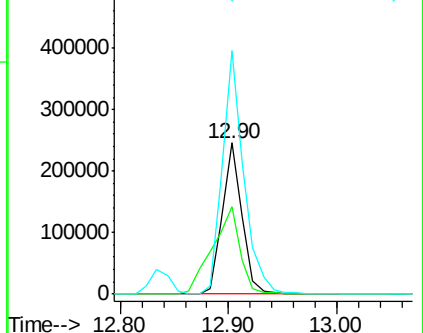
150 161.1 0.0 306.8

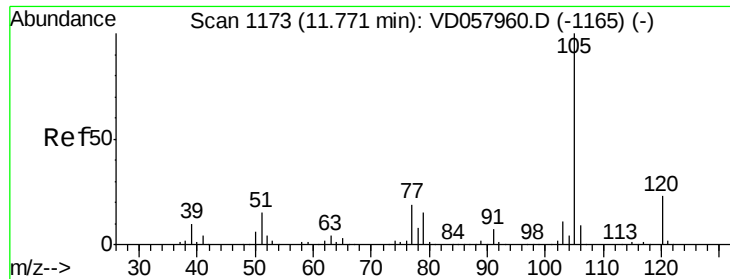


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 69.570 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

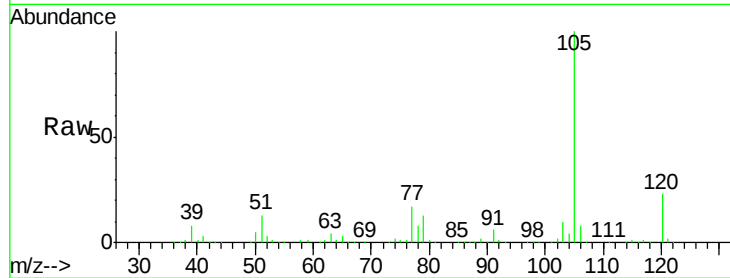
S39-0177MS

Tot Ion:105 Resp: 1423092

Ion Ratio Lower Upper

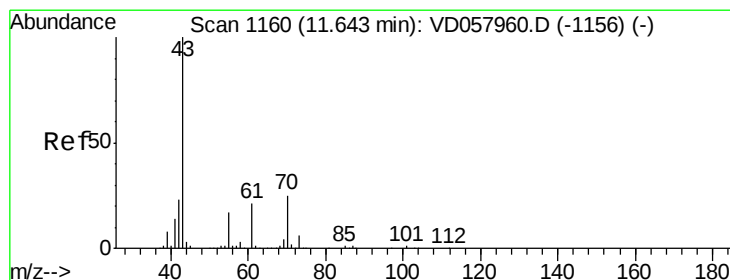
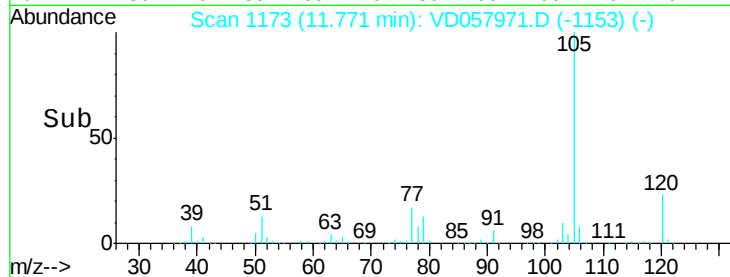
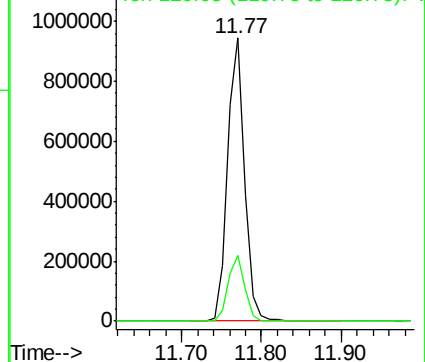
105 100

120 23.3 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: 56.015 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Tgt Ion: 43 Resp: 442142

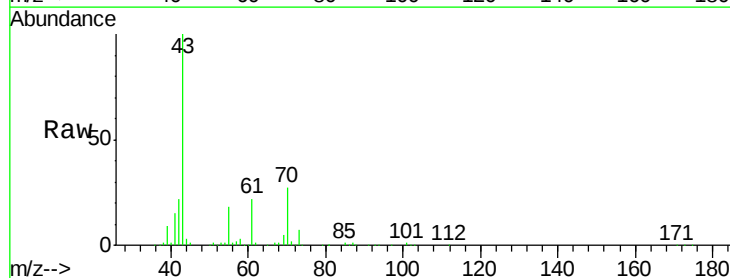
Ion Ratio Lower Upper

43 100

70 27.4 20.3 30.5

55 17.6 13.9 20.9

61 22.3 16.6 24.8

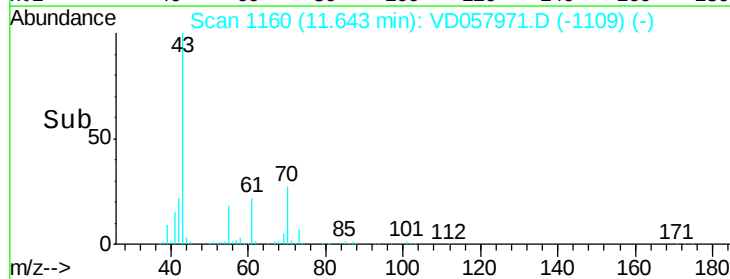
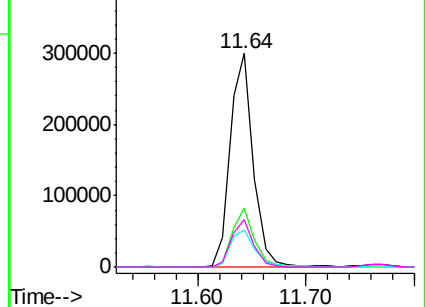


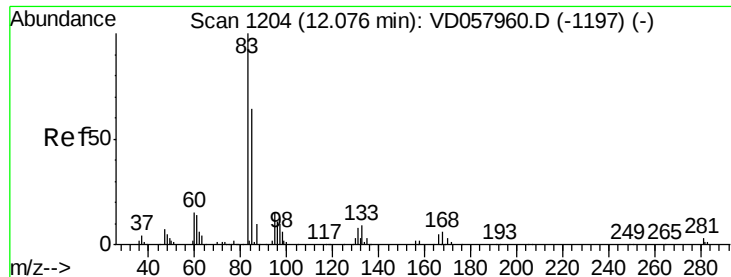
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 54.009 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

S39-0177MS

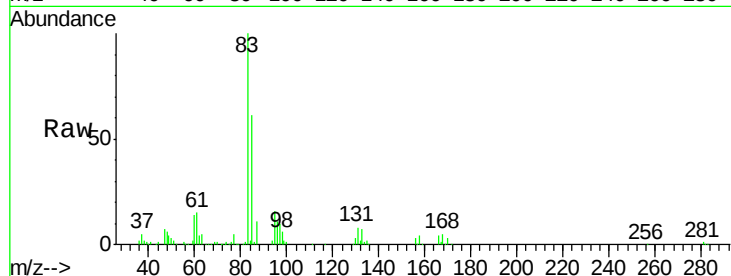
Tot Ion: 83 Resp: 240870

Ion Ratio Lower Upper

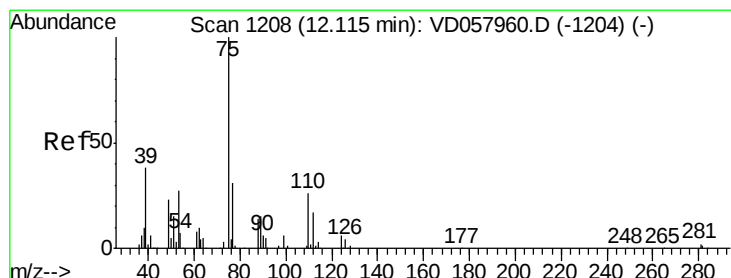
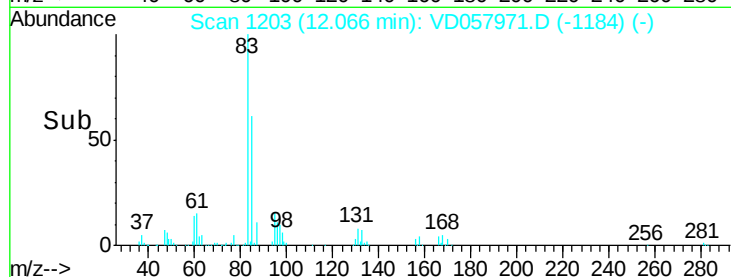
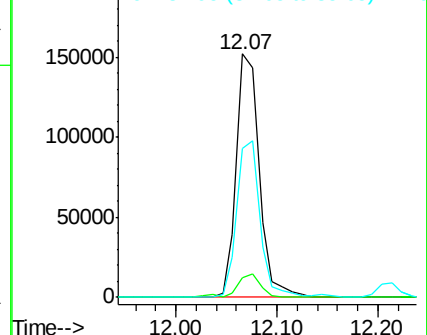
83 100

131 7.9 4.2 12.6

85 61.3 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: 55.295 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057971.D

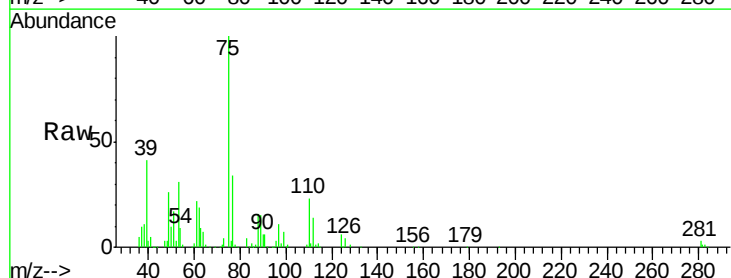
Acq: 7 Jun 2018 14:57

Tgt Ion: 75 Resp: 256521

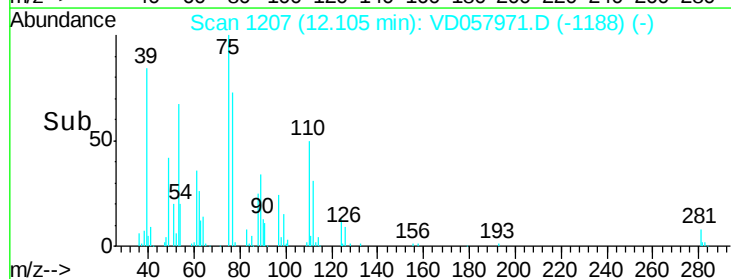
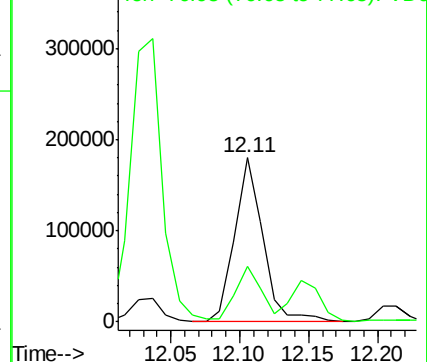
Ion Ratio Lower Upper

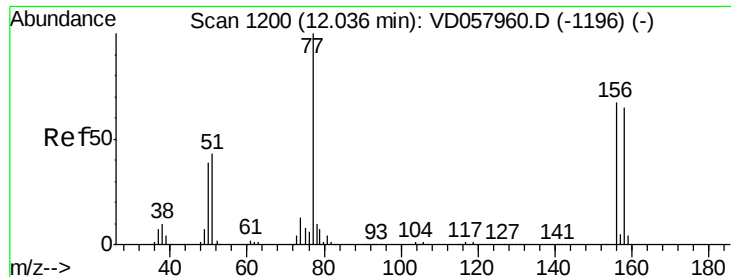
75 100

77 33.9 16.7 50.1



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

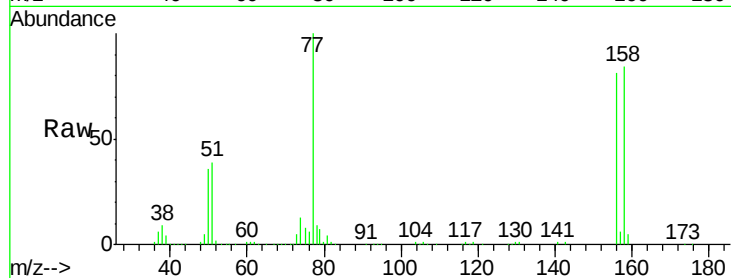




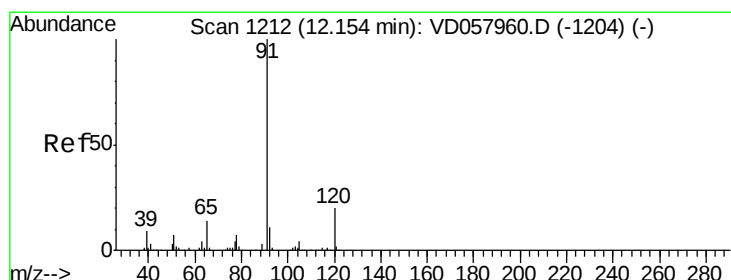
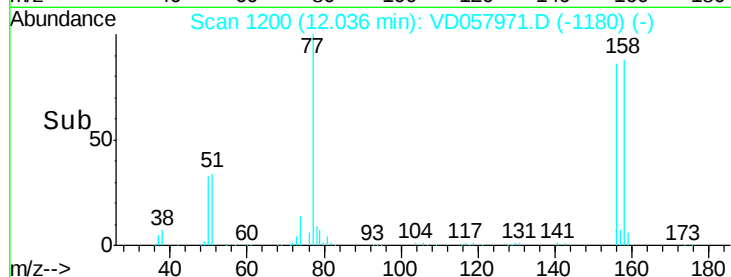
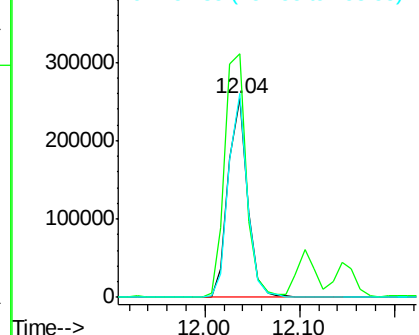
#77
Bromobenzene
Concen: 59.639 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:156 Resp: 361108
Ion Ratio Lower Upper
156 100
77 122.7 75.0 224.8
158 103.0 48.6 145.9

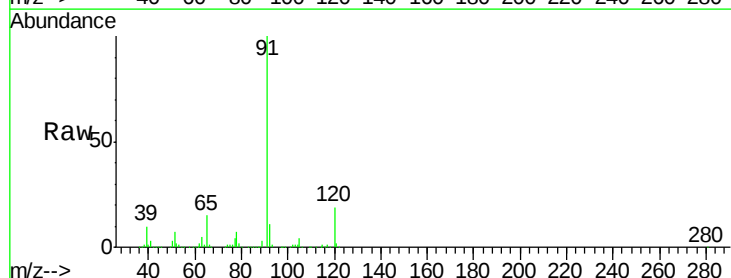


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

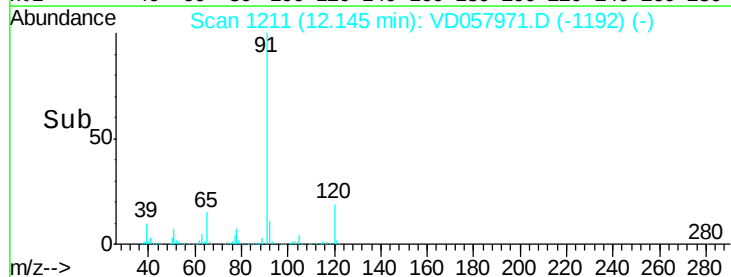
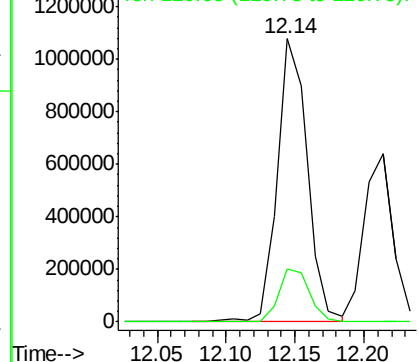


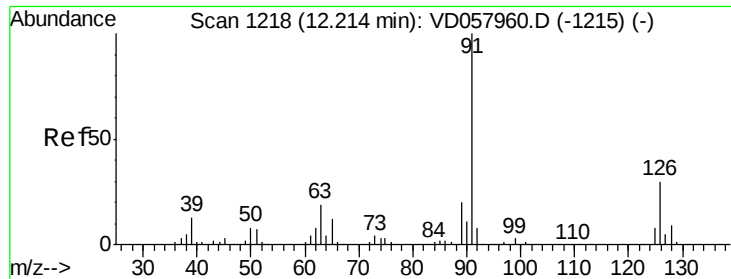
#78
n-propylbenzene
Concen: 60.891 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 91 Resp: 1620777
Ion Ratio Lower Upper
91 100
120 18.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

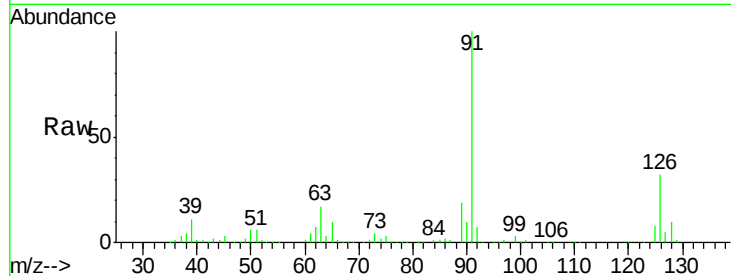




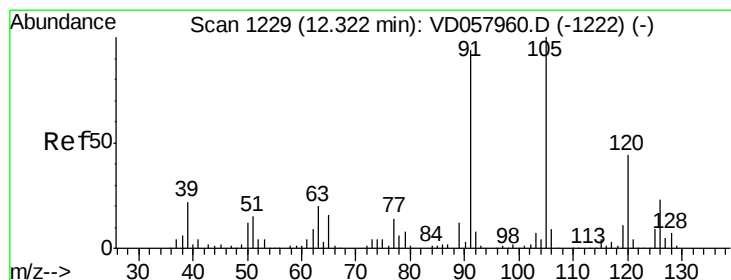
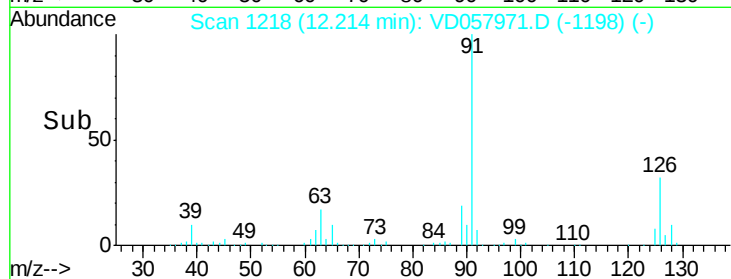
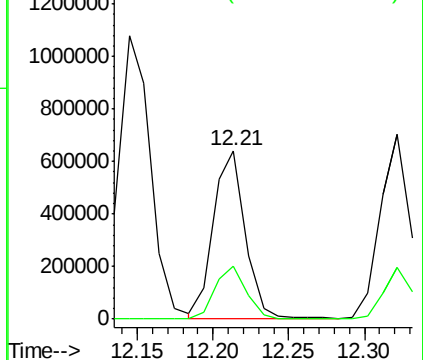
#79
2-Chlorotoluene
Concen: 61.683 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion: 91 Resp: 936664
Ion Ratio Lower Upper
91 100
126 31.6 14.6 44.0

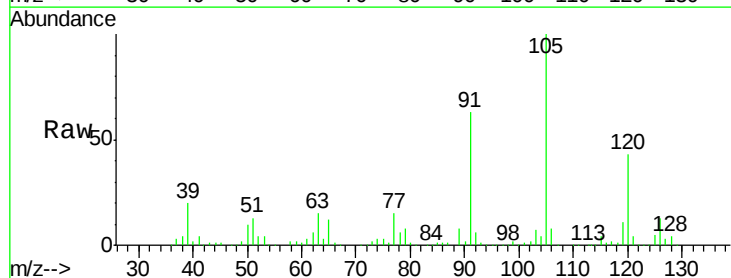


Abundance Ion 91.00 (90.70 to 91.70): VD057960.D (-1215) (-)
Ion 125.95 (125.65 to 126.65): VD057971.D (-1198) (-)

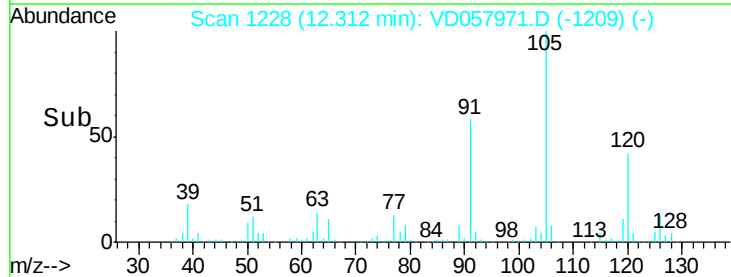
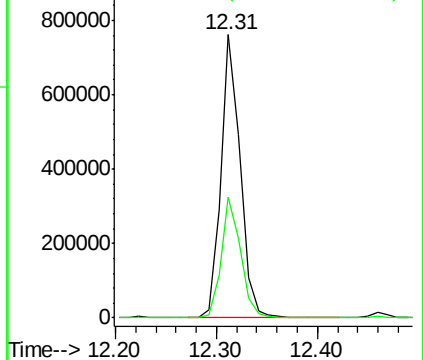


#80
1,3,5-Trimethylbenzene
Concen: 63.118 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 105 Resp: 1006899
Ion Ratio Lower Upper
105 100
120 42.8 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): VD057960.D (-1222) (-)
Ion 120.05 (119.75 to 120.75): VD057971.D (-1209) (-)

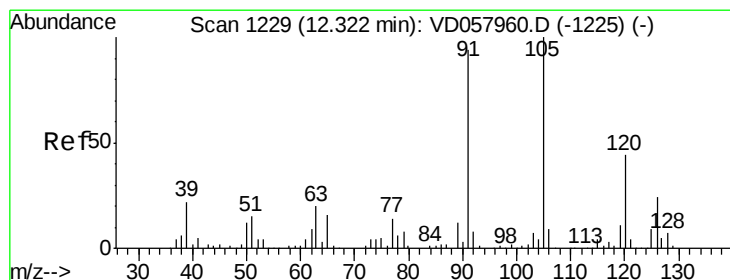
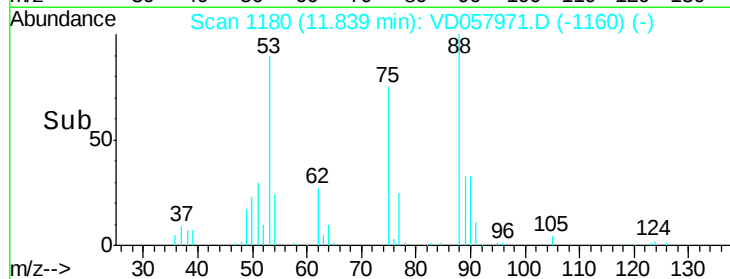
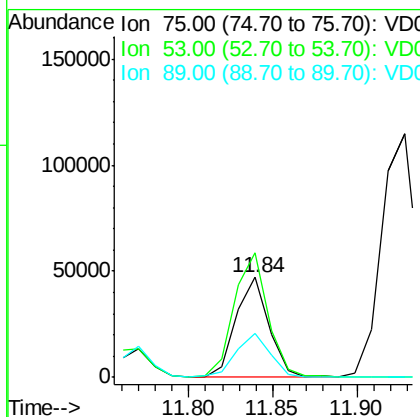
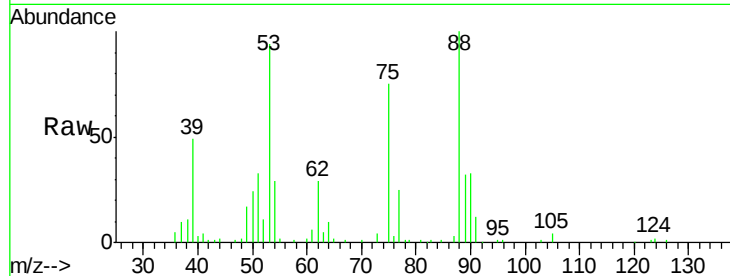




#81
trans-1,4-Dichloro-2-butene
Concen: 56.107 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

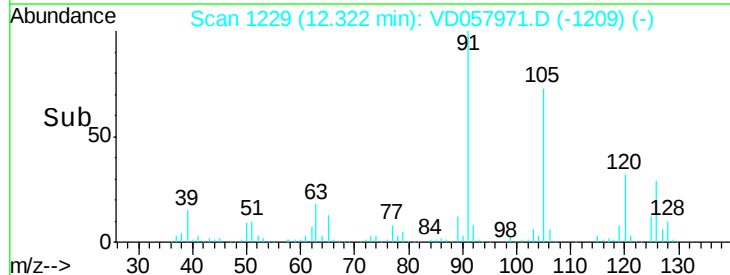
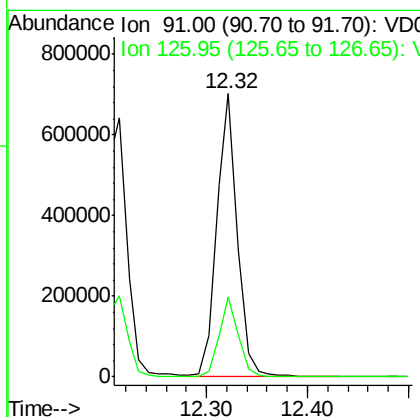
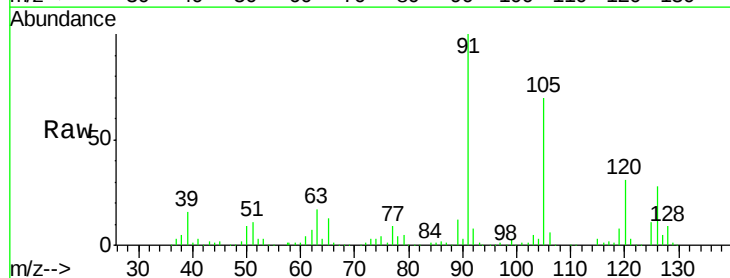
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

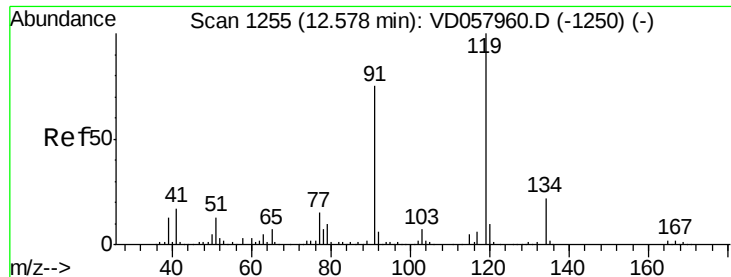
Tot Ion: 75 Resp: 64469
Ion Ratio Lower Upper
75 100
53 125.6 89.3 133.9
89 43.5 33.3 49.9



#82
4-Chlorotoluene
Concen: 68.077 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 91 Resp: 988362
Ion Ratio Lower Upper
91 100
126 28.0 12.5 37.5

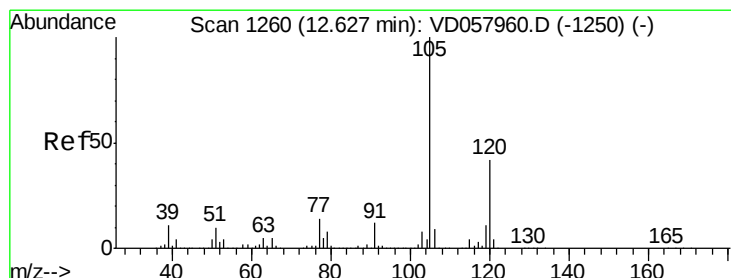
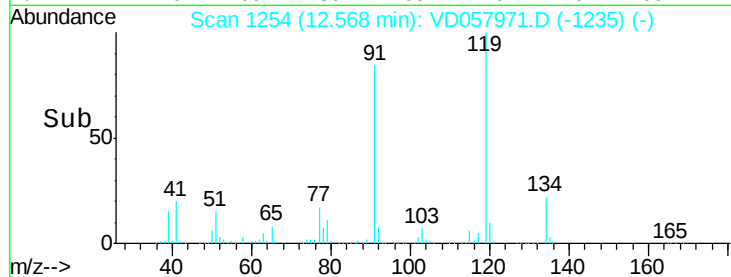
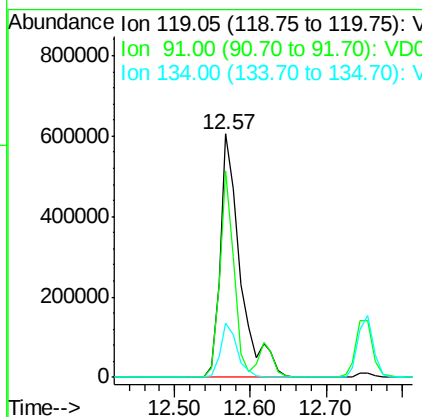
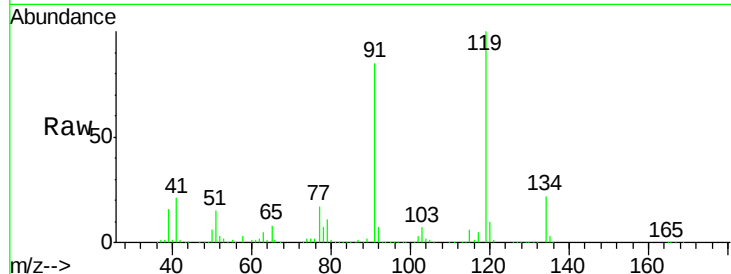




#83
 tert-Butylbenzene
 Concen: 62.860 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

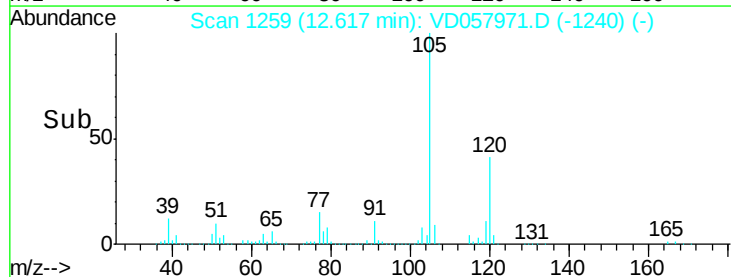
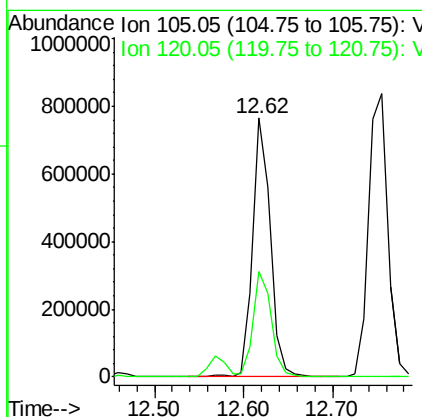
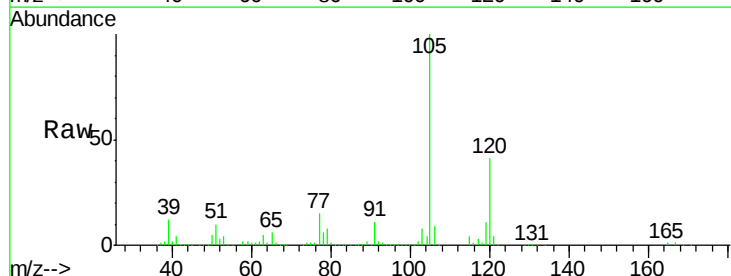
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

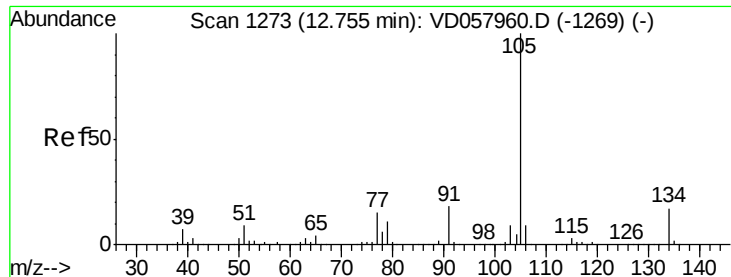
Tot Ion:119 Resp: 1132280
 Ion Ratio Lower Upper
 119 100
 91 84.9 37.6 112.9
 134 22.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 60.865 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion:105 Resp: 1043972
 Ion Ratio Lower Upper
 105 100
 120 40.9 21.2 63.6





#85

sec-Butylbenzene

Concen: 57.057 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

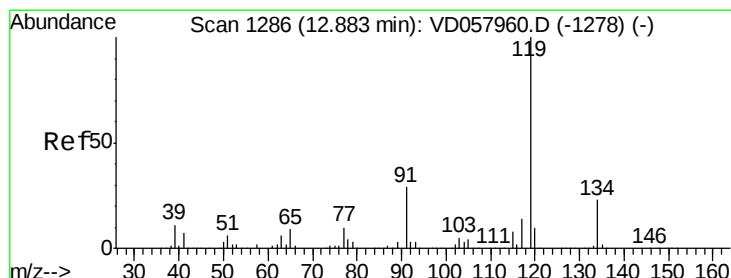
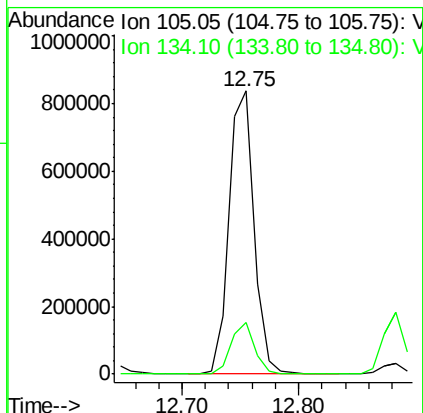
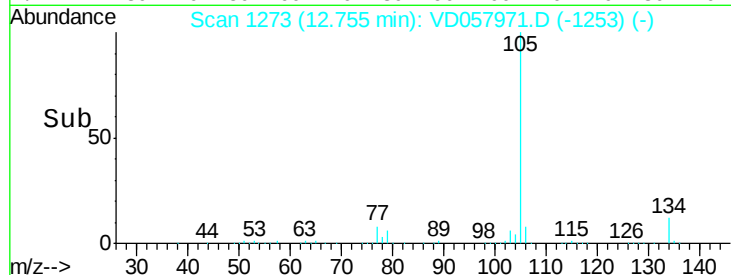
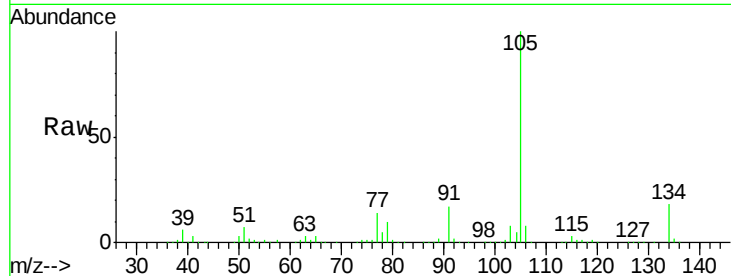
S39-0177MS

Tot Ion:105 Resp: 1240355

Ion Ratio Lower Upper

105 100

134 18.3 8.3 25.1



#86

p-Isopropyltoluene

Concen: 57.400 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD057971.D

Acq: 7 Jun 2018 14:57

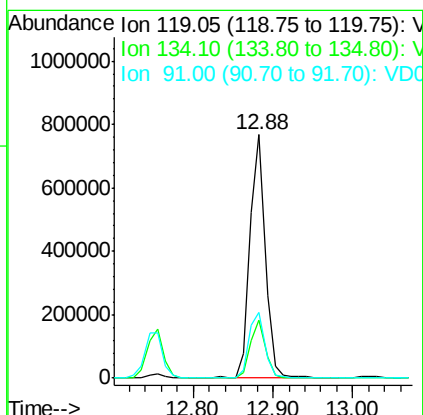
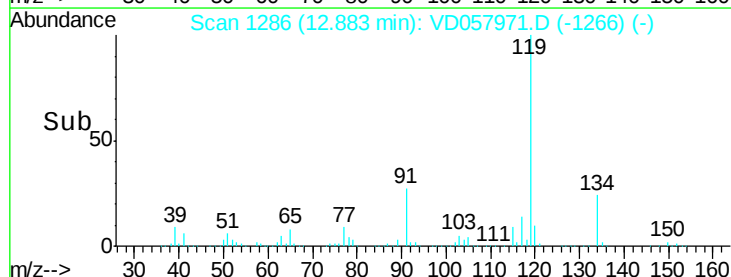
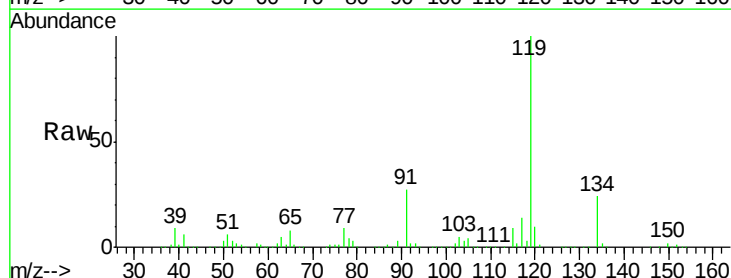
Tgt Ion:119 Resp: 1005717

Ion Ratio Lower Upper

119 100

134 23.7 11.5 34.4

91 27.1 14.5 43.6

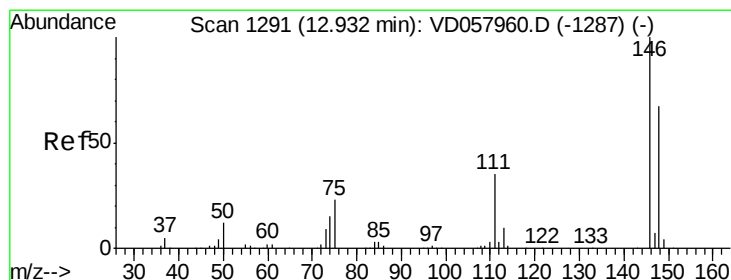
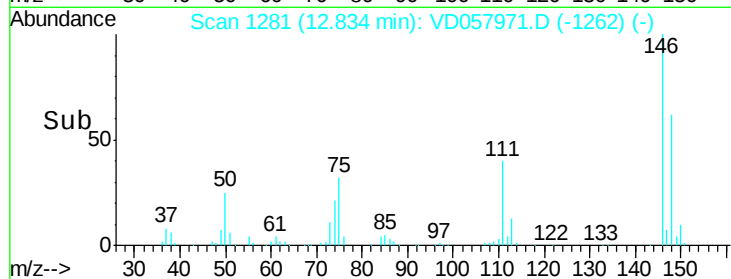
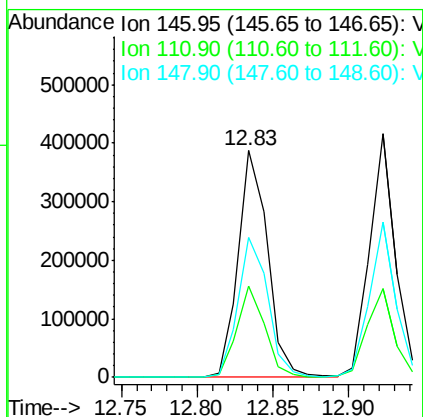
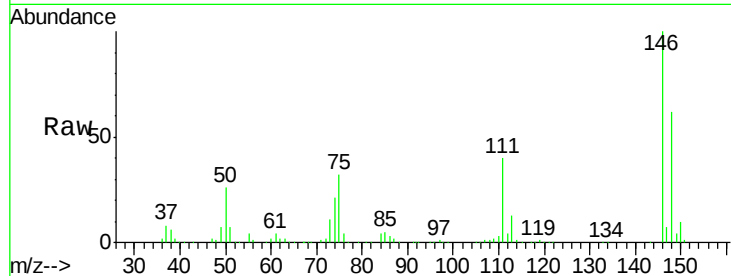




#87
 1,3-Dichlorobenzene
 Concen: 50.952 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

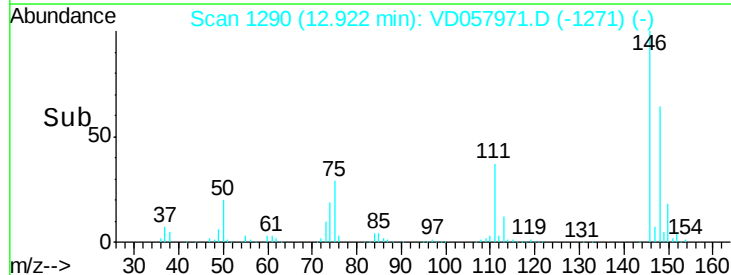
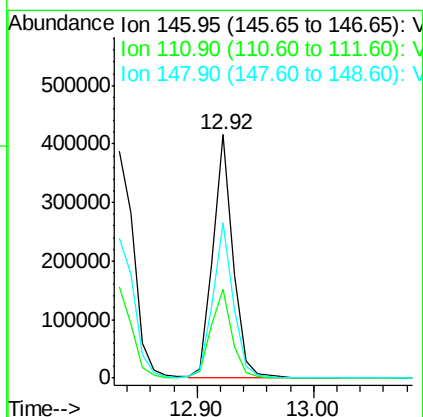
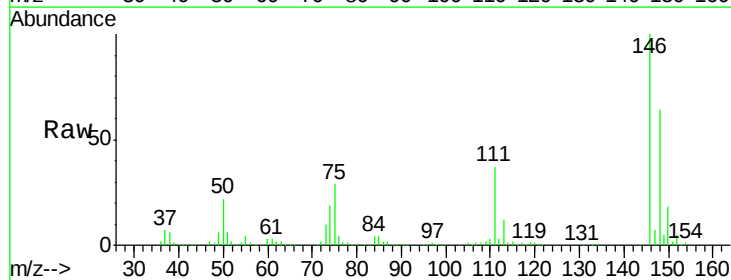
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

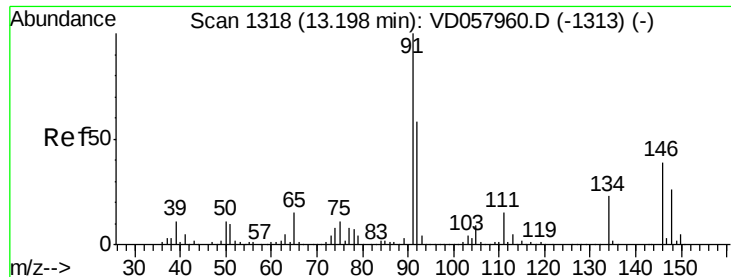
Tot Ion:146 Resp: 521866
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.3
 148 62.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.931 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion:146 Resp: 498282
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.3 52.0
 148 63.5 33.4 100.2

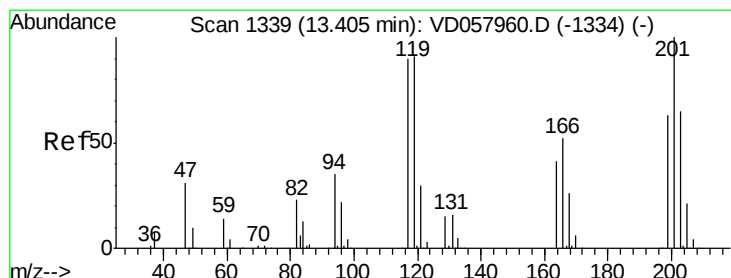
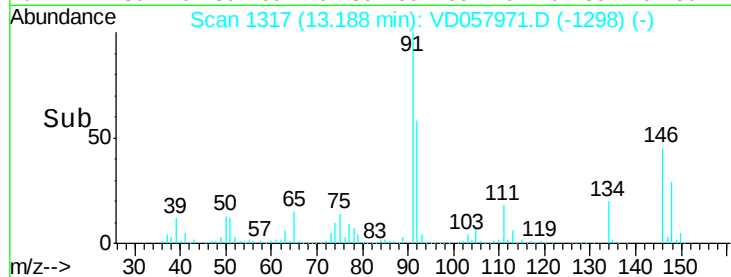
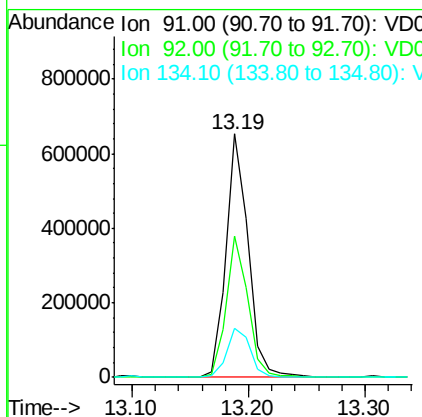
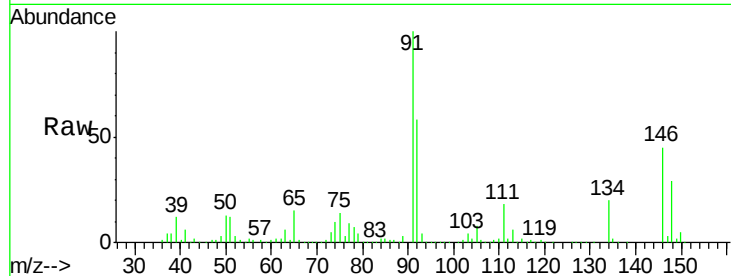




#89
n-Butylbenzene
Concen: 54.604 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

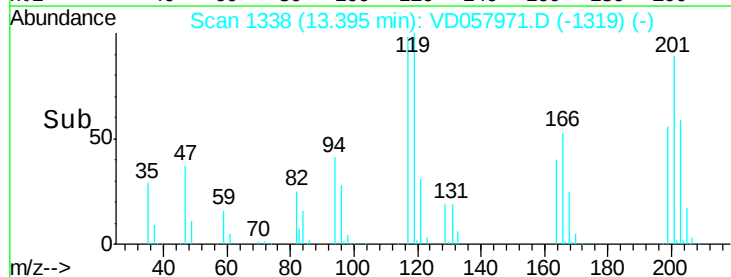
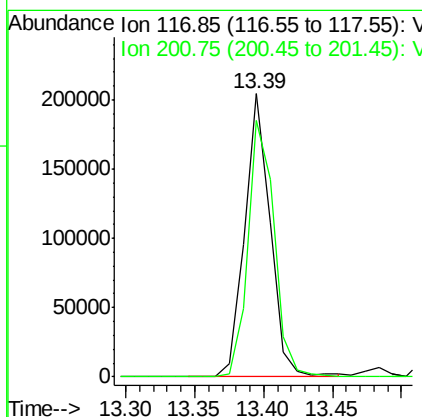
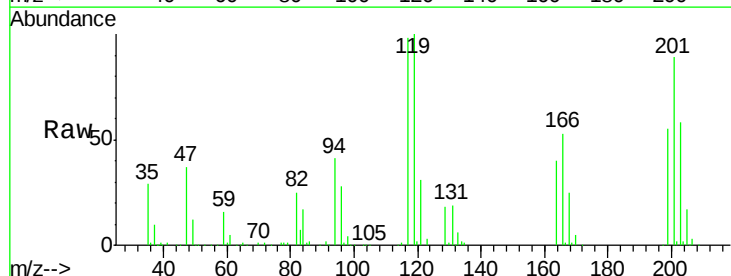
Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

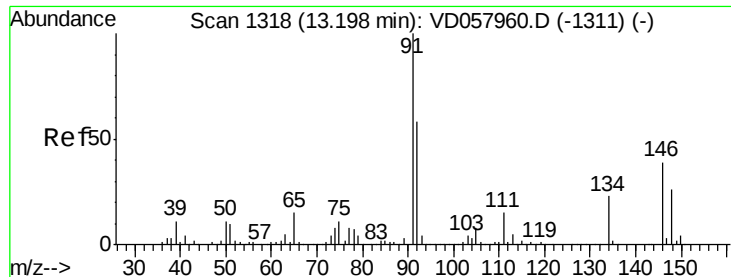
Tot Ion: 91 Resp: 855449
Ion Ratio Lower Upper
91 100
92 57.8 29.2 87.6
134 20.2 11.3 33.9



#90
Hexachloroethane
Concen: 59.372 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion: 117 Resp: 265513
Ion Ratio Lower Upper
117 100
201 90.6 55.4 166.0

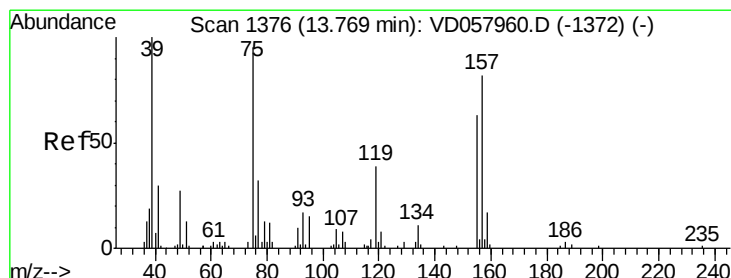
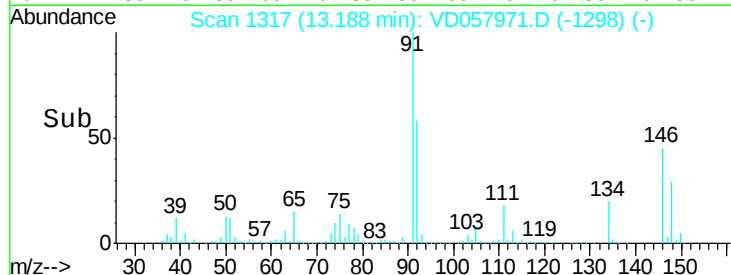
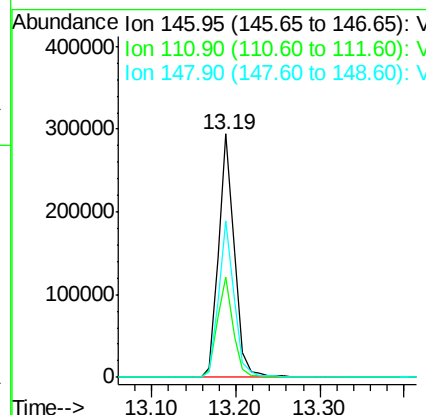
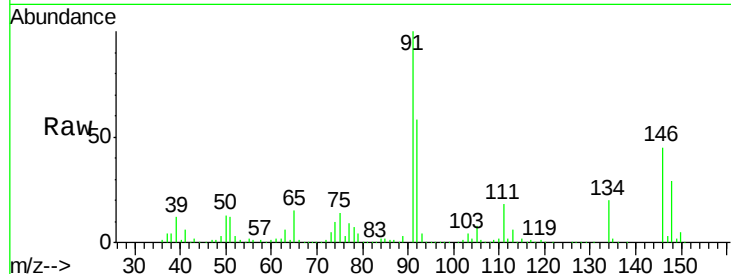




#91
 1,2-Dichlorobenzene
 Concen: 46.567 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

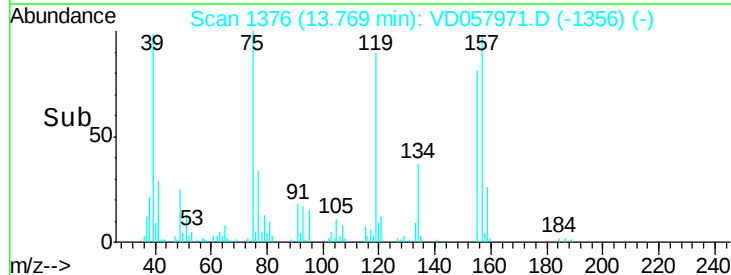
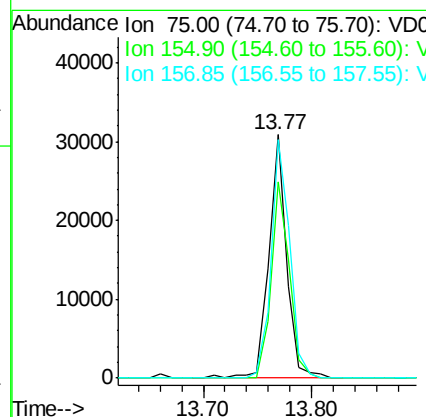
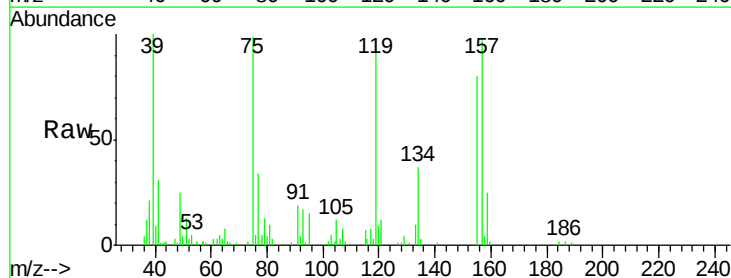
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

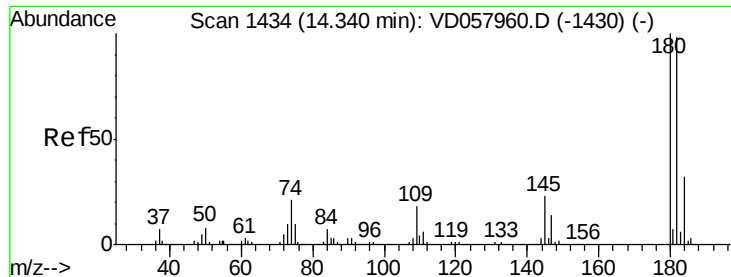
Tot Ion:146 Resp: 385442
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.4 58.2
 148 64.3 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.195 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion: 75 Resp: 35926
 Ion Ratio Lower Upper
 75 100
 155 80.5 33.4 100.1
 157 98.1 42.9 128.5

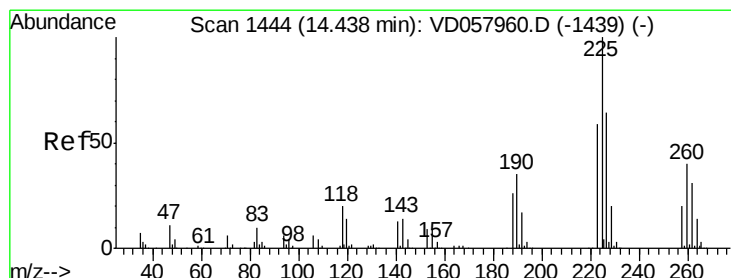
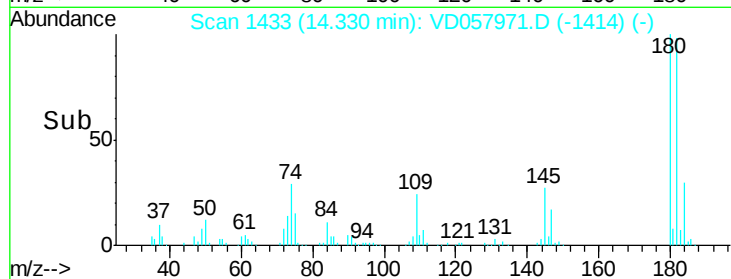
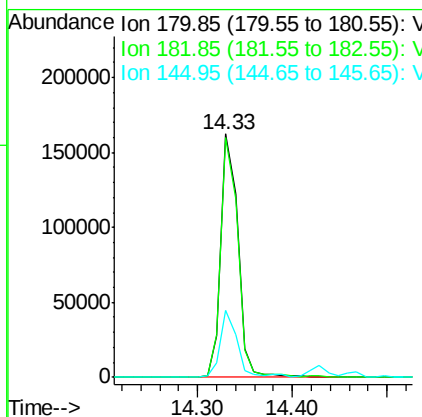
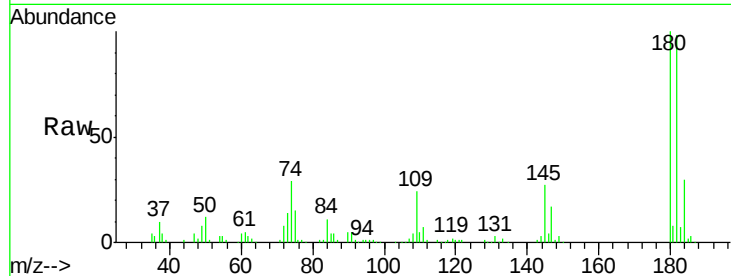




#93
 1,2,4-Trichlorobenzene
 Concen: 26.440 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

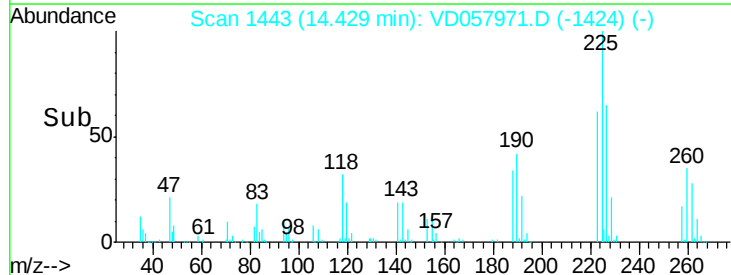
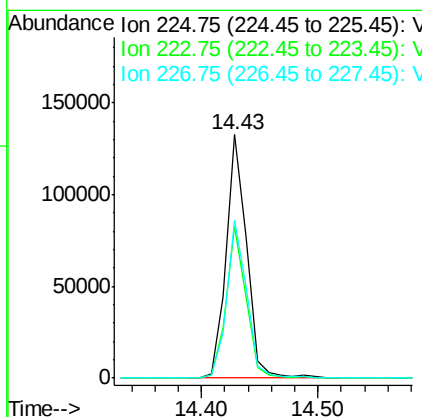
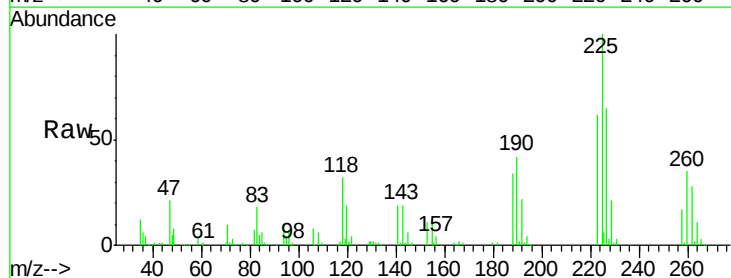
Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MS

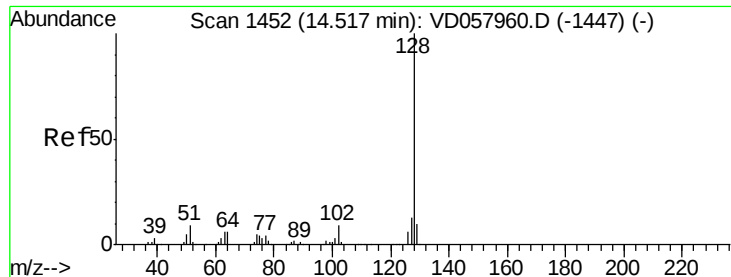
Tot Ion:180 Resp: 204459
 Ion Ratio Lower Upper
 180 100
 182 98.5 49.0 147.2
 145 27.3 11.8 35.3



#94
 Hexachlorobutadiene
 Concen: 26.613 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057971.D
 Acq: 7 Jun 2018 14:57

Tgt Ion:225 Resp: 161876
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.5 88.6
 227 64.9 32.0 96.0

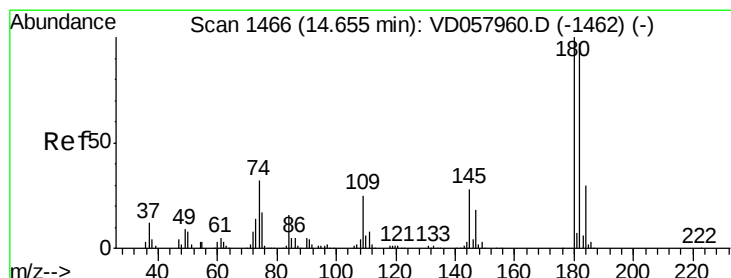
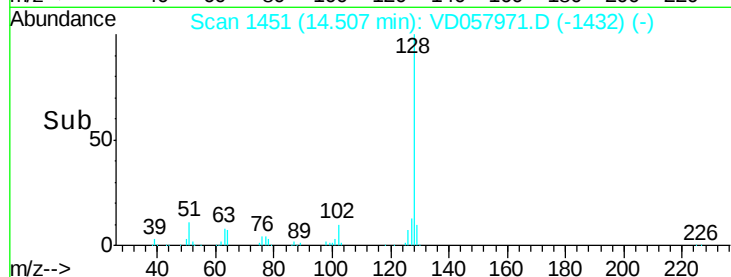
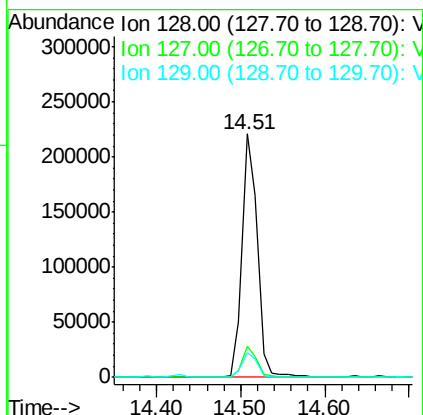
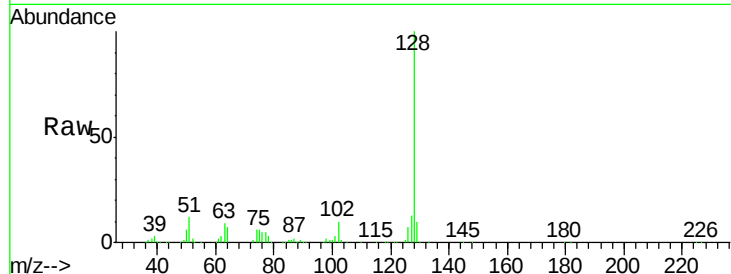




#95
Naphthalene
Concen: 28.190 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
S39-0177MS

Tot Ion:128 Resp: 281072
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.3 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.552 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD057971.D
Acq: 7 Jun 2018 14:57

Tgt Ion:180 Resp: 142035
Ion Ratio Lower Upper
180 100
182 92.1 48.5 145.5
145 25.0 14.2 42.8

