

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
 Data File : VD060377.D
 Acq On : 14 Nov 2018 14:13
 Operator : JC/SY
 Sample : J5925-09
 Misc : 10.55a/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5S1

Quant Time: Nov 14 16:03:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1426092	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1937411	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1385435	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	489070	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	449182	43.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	87.98%	
35) Dibromofluoromethane	6.30	113	529477	36.65	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	73.30%	
50) Toluene-d8	9.44	98	1565857	37.03	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	74.06%	
62) 4-Bromofluorobenzene	12.41	95	434148	28.34	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	56.68%	

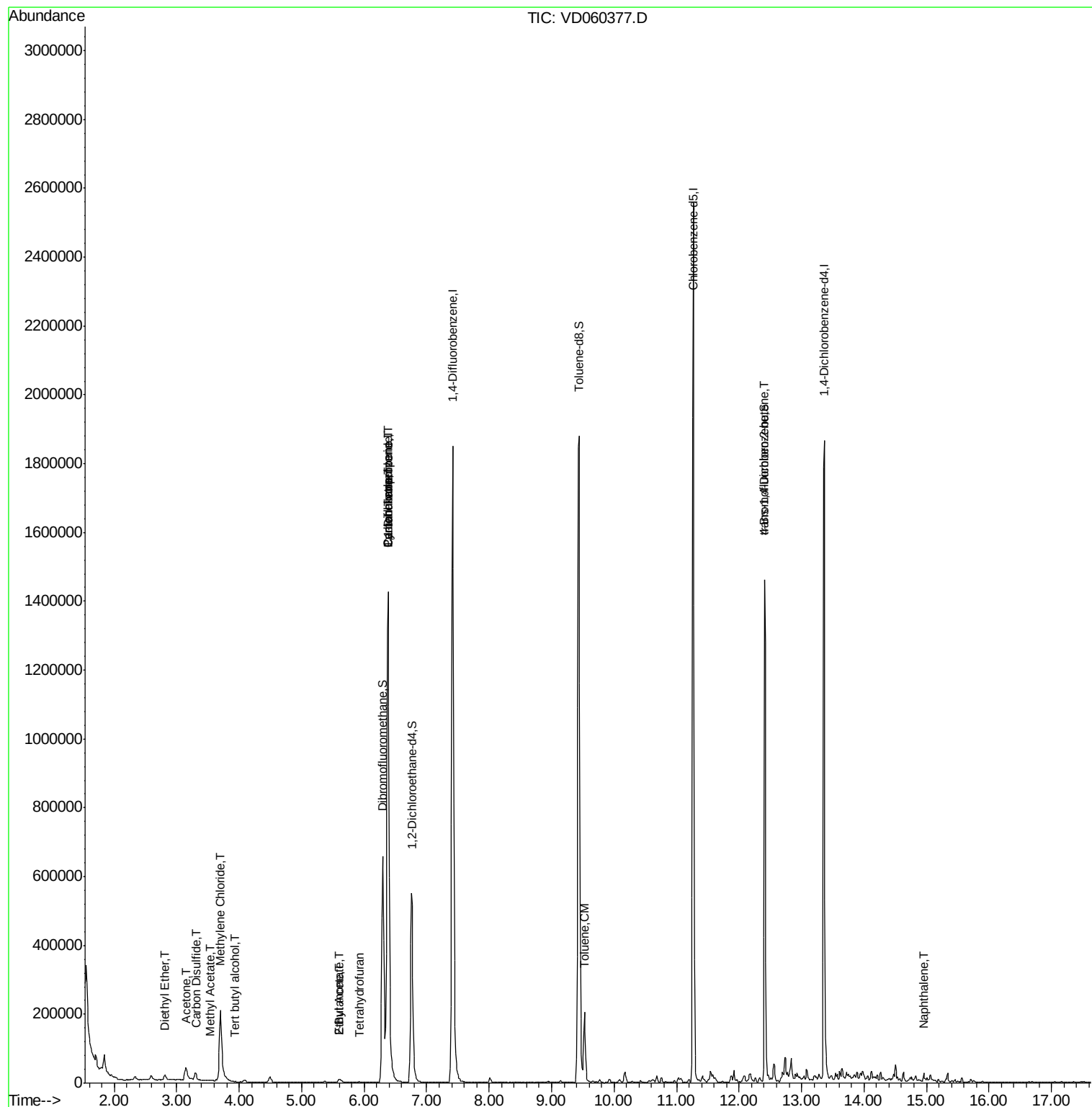
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	258	Below Cal	#	41
8) Diethyl Ether	2.81	74	4611	1.958	ug/l	78
11) Tert butyl alcohol	3.94	59	701	1.672	ug/l #	70
16) Acetone	3.15	43	88868	50.173	ug/l #	87
17) Carbon Disulfide	3.30	76	41319	1.840	ug/l	99
18) Methyl Acetate	3.52	43	4781	1.266	ug/l #	63
20) Methylene Chloride	3.70	84	141378	8.998	ug/l	96
25) 2-Butanone	5.60	43	17725	4.815	ug/l	99
29) Tetrahydrofuran	5.92	42	2831	1.459	ug/l #	48
31) Cyclohexane	6.38	56	32320	1.326	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	101162	5.285	ug/l #	47
37) Ethyl Acetate	5.60	43	17725	2.012	ug/l #	69
38) Carbon Tetrachloride	6.39	117	110795	6.240	ug/l #	16
52) Toluene	9.52	92	96643	3.097	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	177197	106.386	ug/l #	15
89) n-Butylbenzene	13.68	91	448	Below Cal	#	29
95) Naphthalene	14.96	128	13450	1.004	ug/l	98

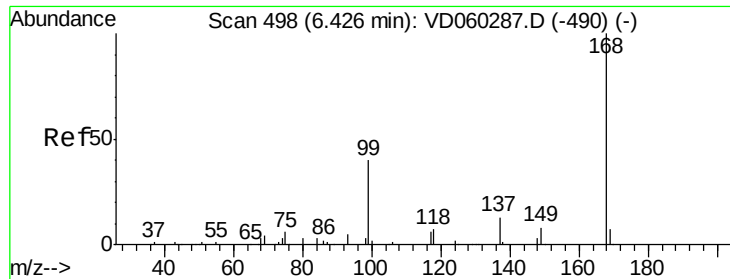
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111418\
Data File : VD060377.D
Acq On : 14 Nov 2018 14:13
Operator : JC/SY
Sample : J5925-09
Misc : 10.55g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-5S1

Quant Time: Nov 14 16:03:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

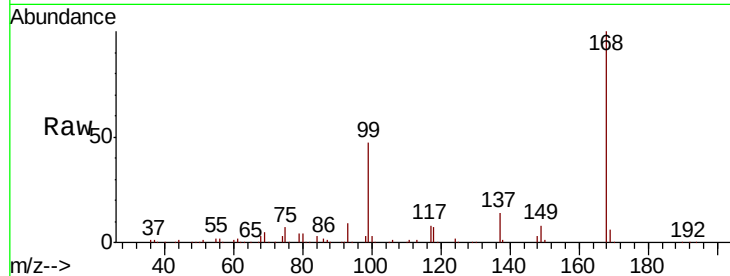
TP-5S1

Tot Ion:168 Resp: 1426092

Ion Ratio Lower Upper

168 100

99 47.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

300000

200000

100000

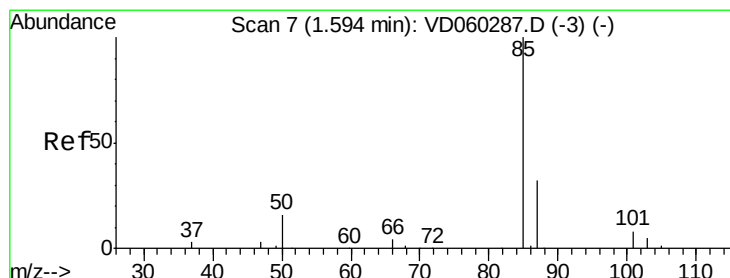
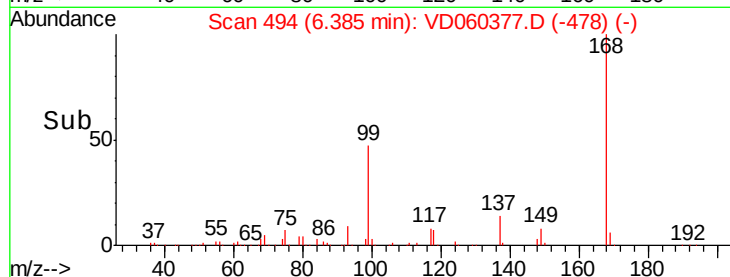
0

Time-->

6.20

6.40

6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060377.D

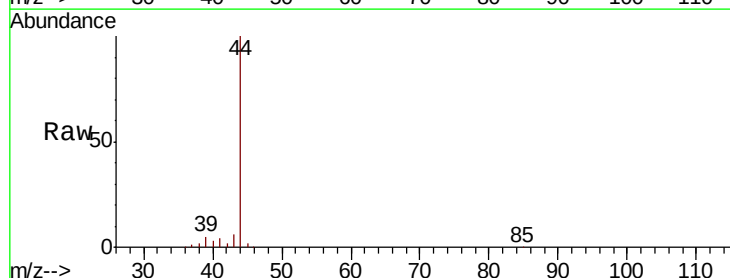
Acq: 14 Nov 2018 14:13

Tgt Ion: 85 Resp: 258

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

500

400

300

200

100

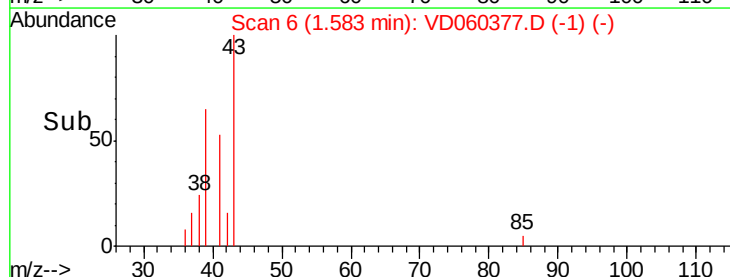
0

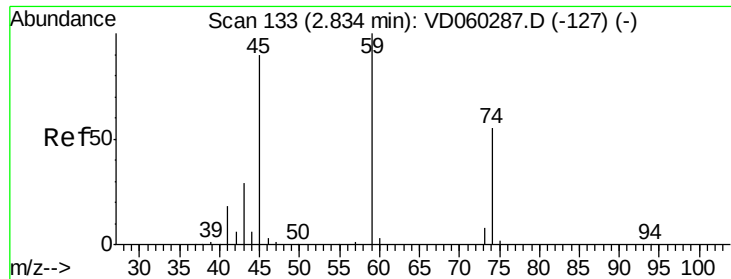
Time-->

1.56

1.58

1.60





#8

Diethyl Ether

Concen: 1.958 ug/l

RT: 2.81 min Scan# 131

Delta R.T. -0.02 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

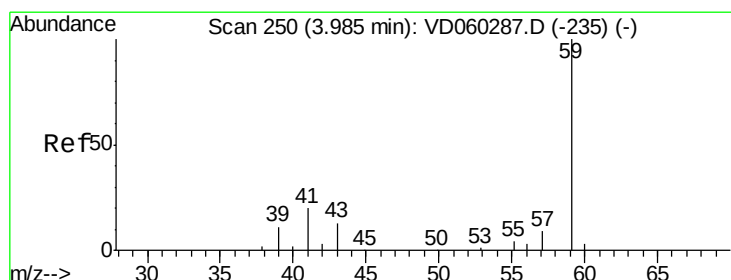
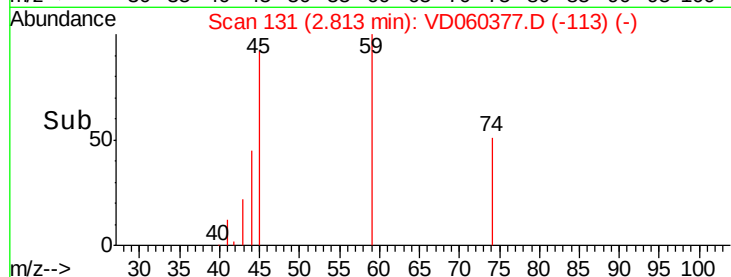
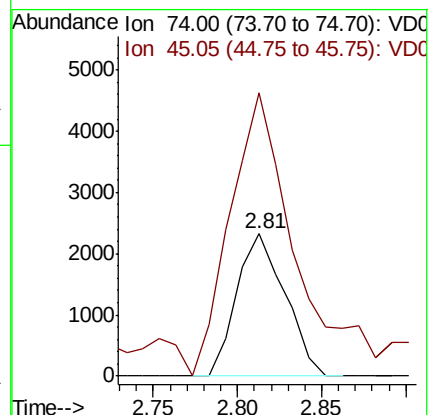
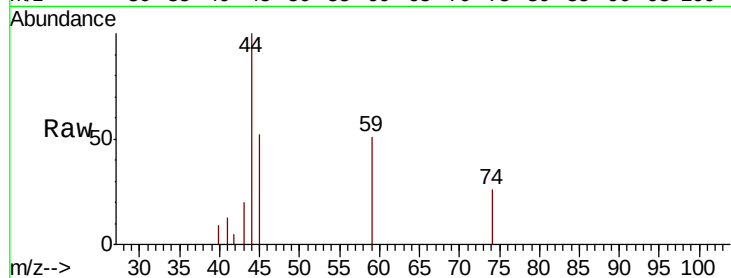
TP-5S1

Tot Ion: 74 Resp: 4611

Ion Ratio Lower Upper

74 100

45 199.1 84.8 254.4



#11

Tert butyl alcohol

Concen: 1.672 ug/l

RT: 3.94 min Scan# 246

Delta R.T. -0.04 min

Lab File: VD060377.D

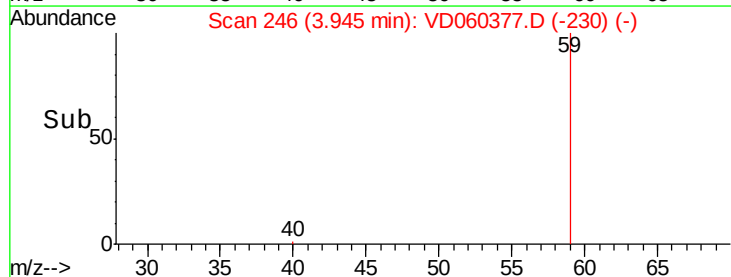
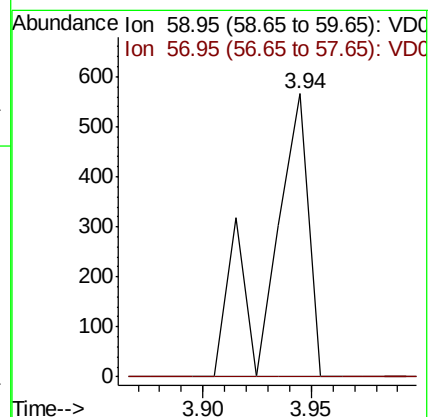
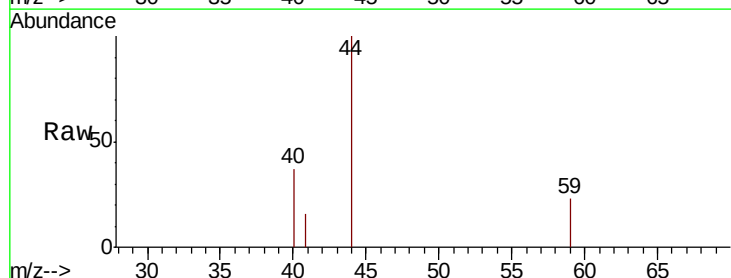
Acq: 14 Nov 2018 14:13

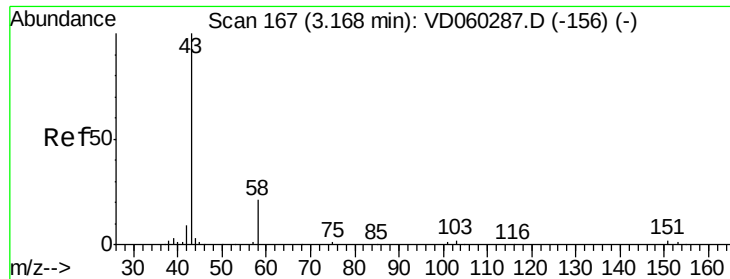
Tgt Ion: 59 Resp: 701

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#





#16

Acetone

Concen: 50.173 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

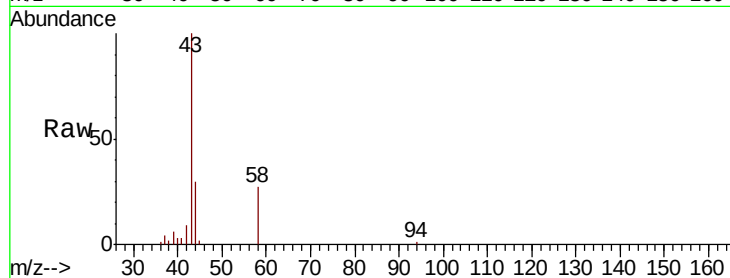
TP-5S1

Tot Ion: 43 Resp: 88868

Ion Ratio Lower Upper

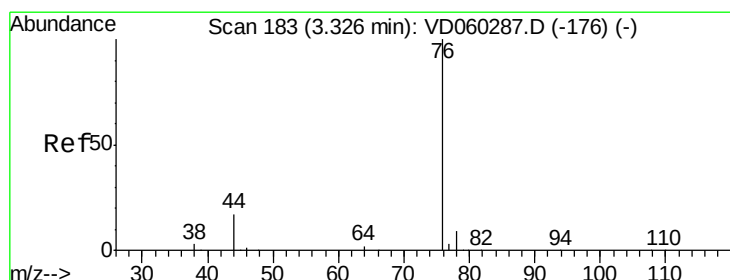
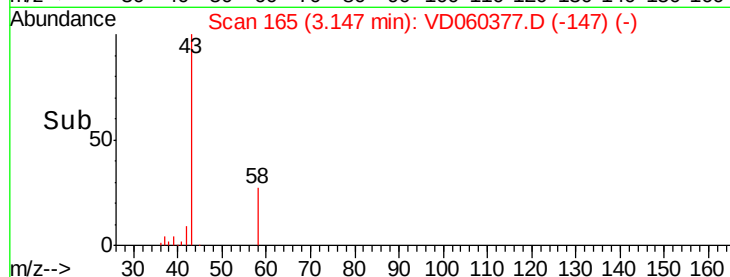
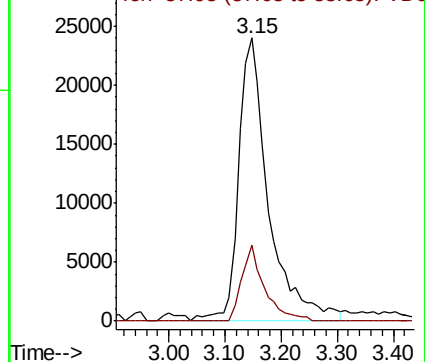
43 100

58 27.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.840 ug/l

RT: 3.30 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD060377.D

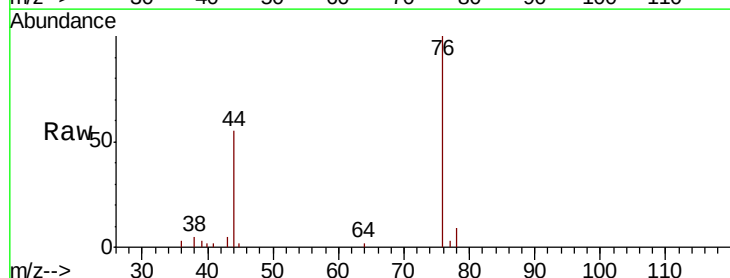
Acq: 14 Nov 2018 14:13

Tgt Ion: 76 Resp: 41319

Ion Ratio Lower Upper

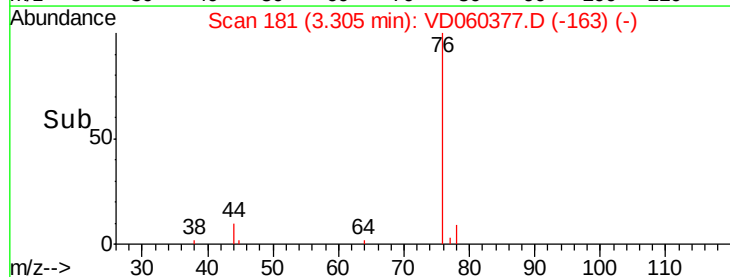
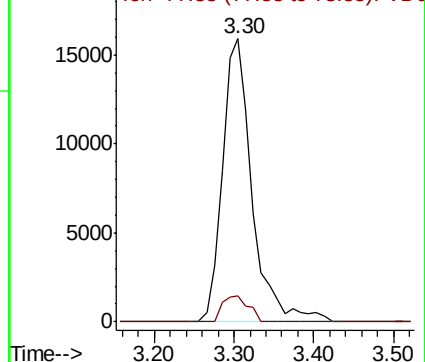
76 100

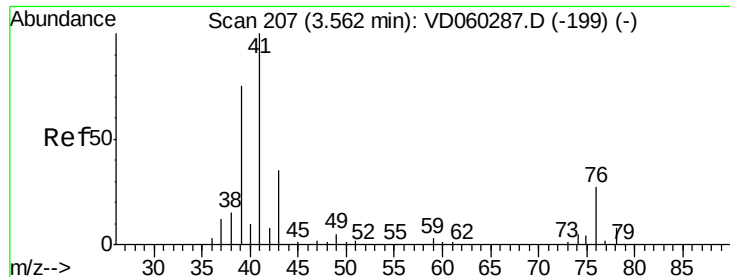
78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

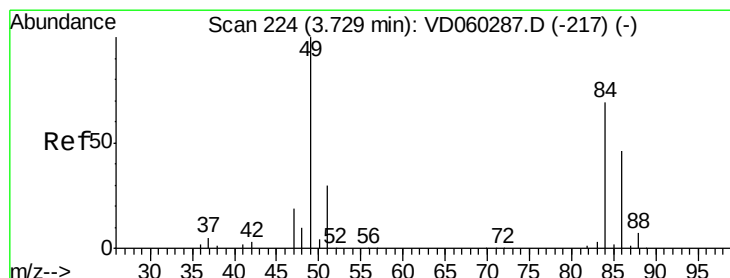
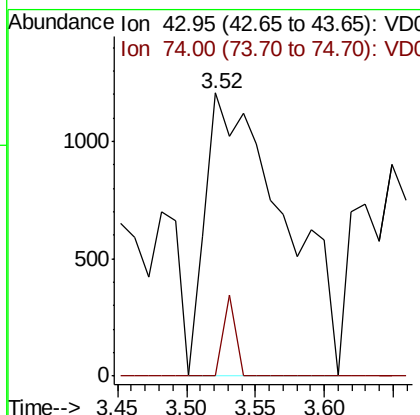
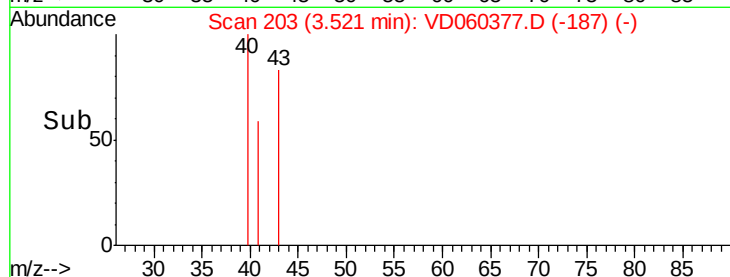
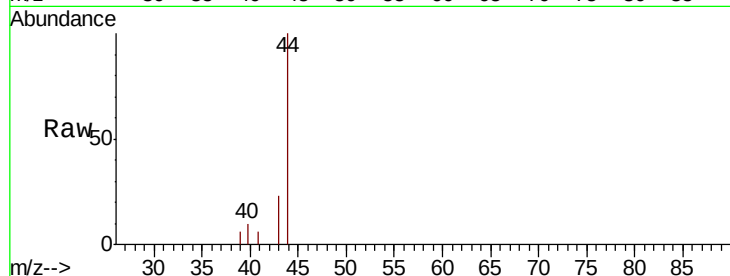




#18
Methyl Acetate
Concen: 1.266 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.04 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

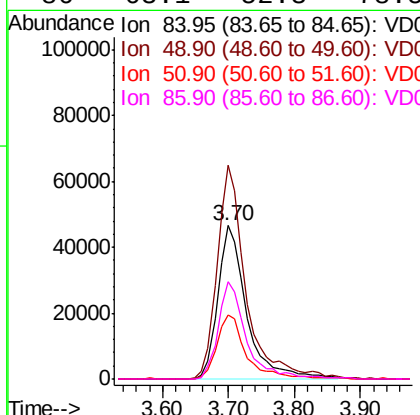
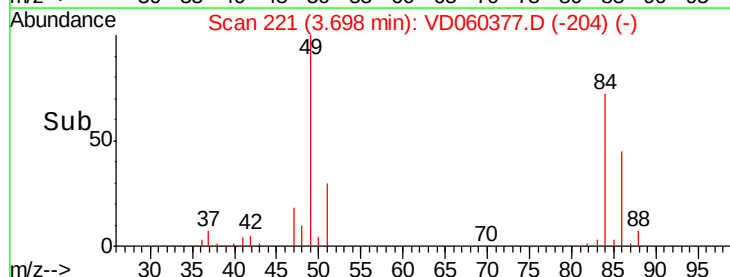
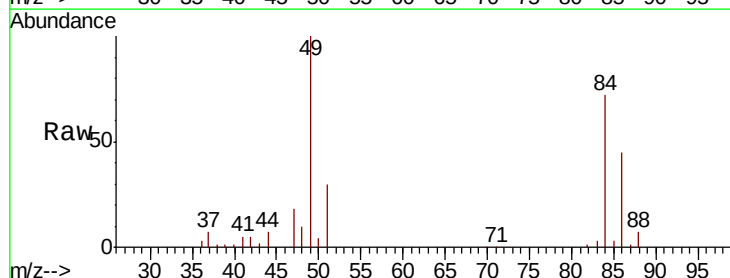
Instrument :
MSVOA_D
ClientSampleId :
TP-5S1

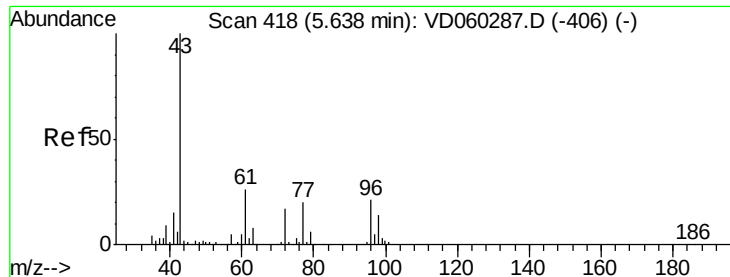
Tot Ion: 43 Resp: 4781
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 8.998 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Tgt Ion: 84 Resp: 141378
Ion Ratio Lower Upper
84 100
49 139.2 115.6 173.4
51 41.4 35.6 53.4
86 63.1 52.3 78.5





#25

2-Butanone

Concen: 4.815 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

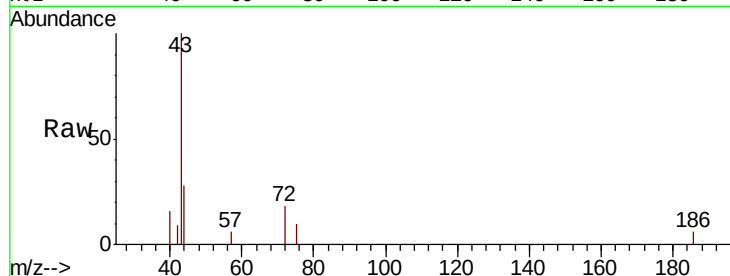
TP-5S1

Tot Ion: 43 Resp: 17725

Ion Ratio Lower Upper

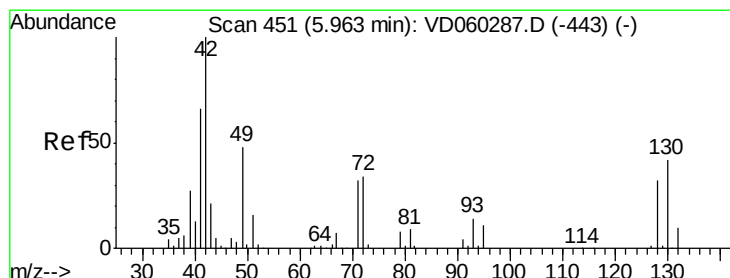
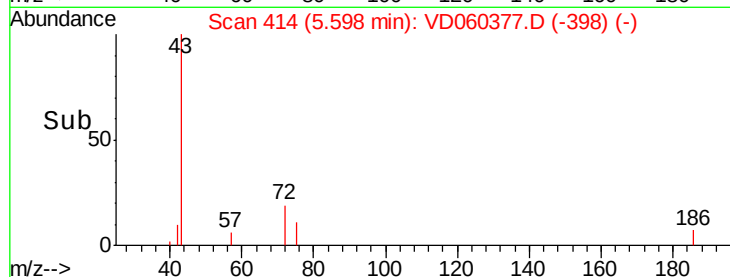
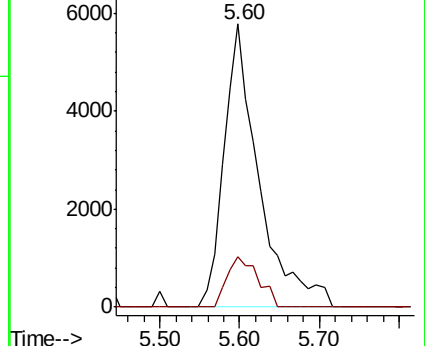
43 100

72 17.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.459 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.04 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

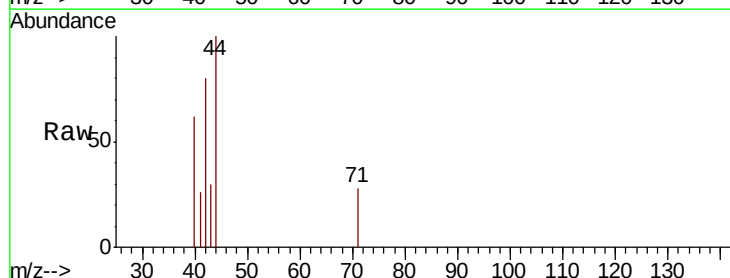
Tgt Ion: 42 Resp: 2831

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

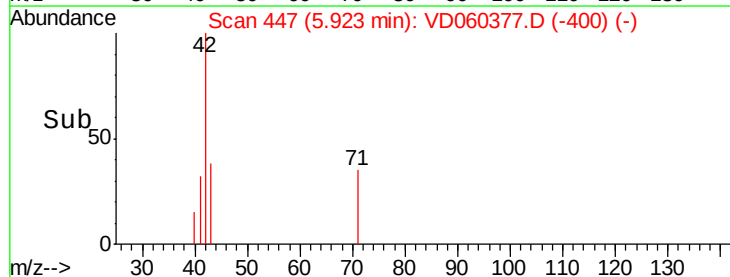
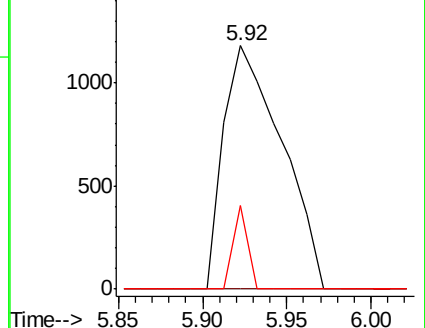
71 8.5 26.5 39.7#

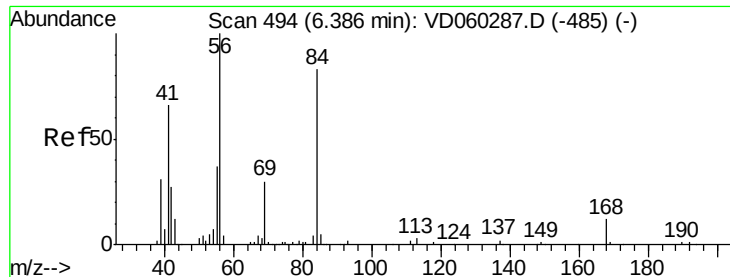


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

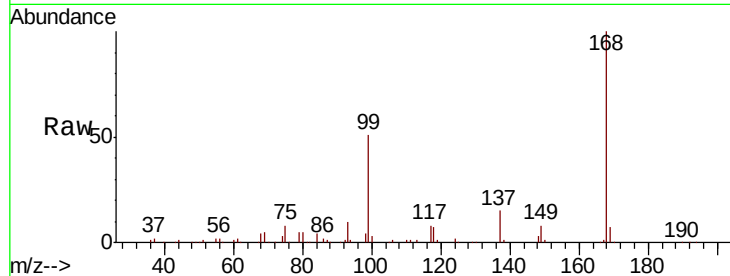




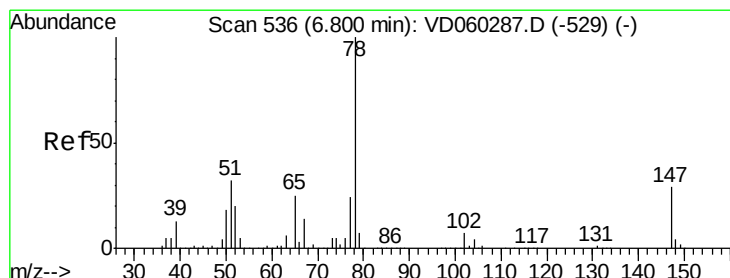
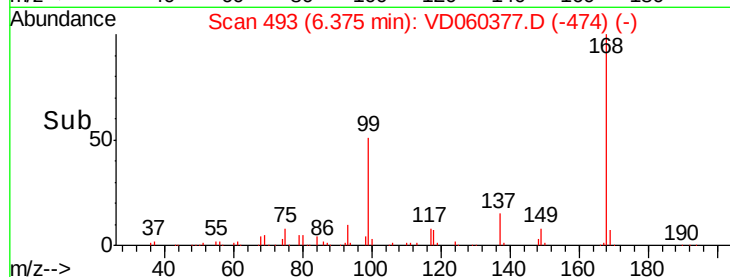
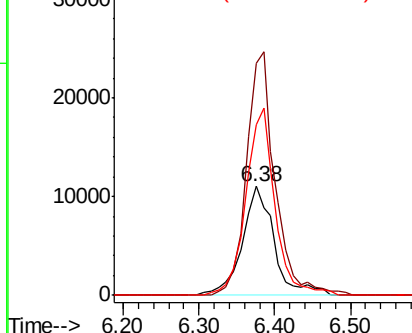
#31
Cyclohexane
Concen: 1.326 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
TP-5S1

Tot Ion	56	Resp	32320
Ion Ratio	Lower	Upper	
56	100		
69	213.1	22.2	33.2#
84	156.4	63.0	94.4#

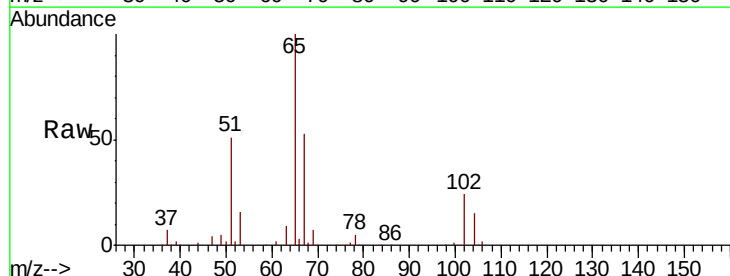


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

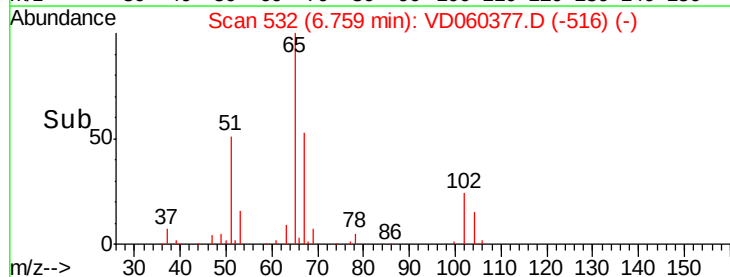
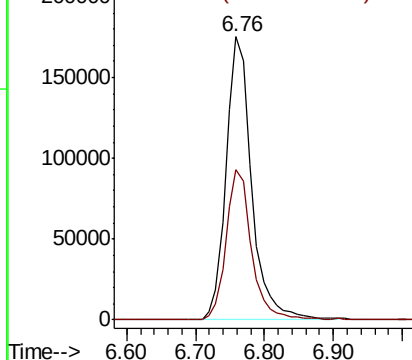


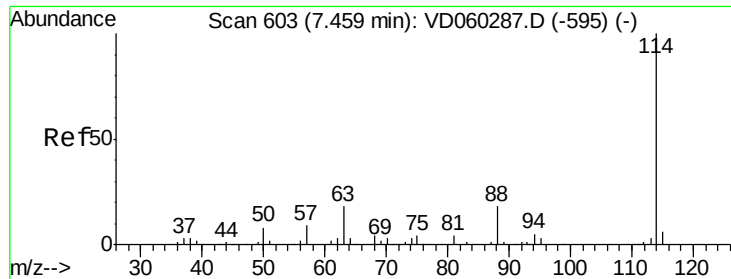
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.04 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Tgt Ion	65	Resp	449182
Ion Ratio	Lower	Upper	
65	100		
67	53.2	0.0	109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

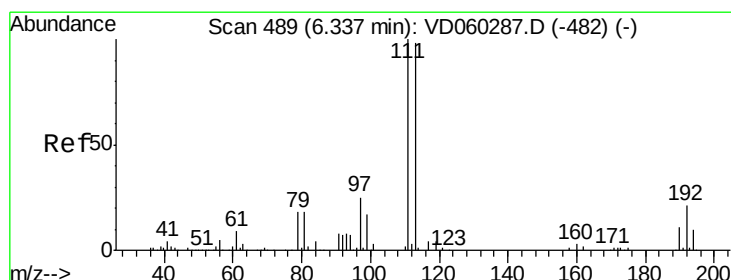
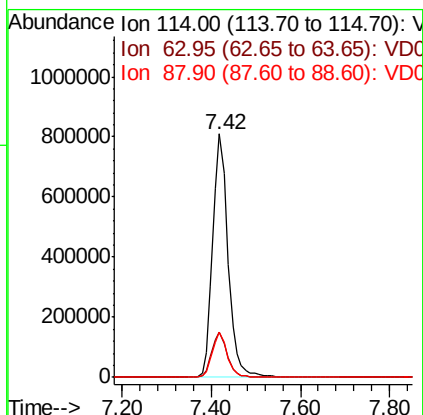
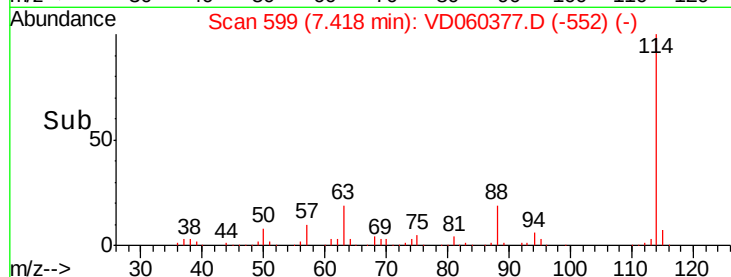
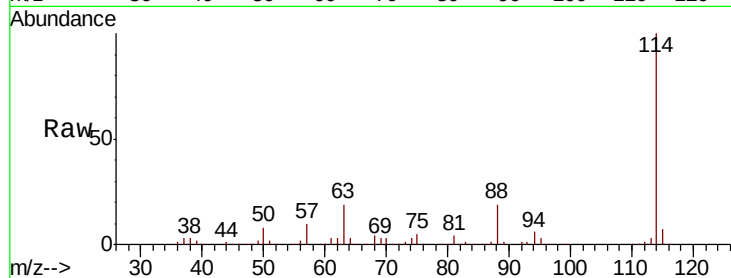




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.42 min Scan# 599
Delta R.T. -0.04 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

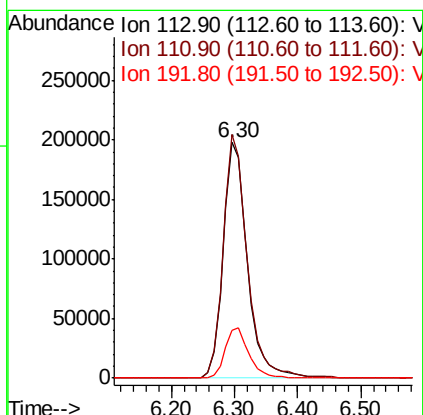
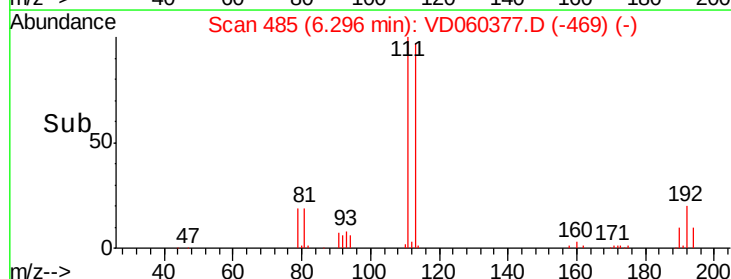
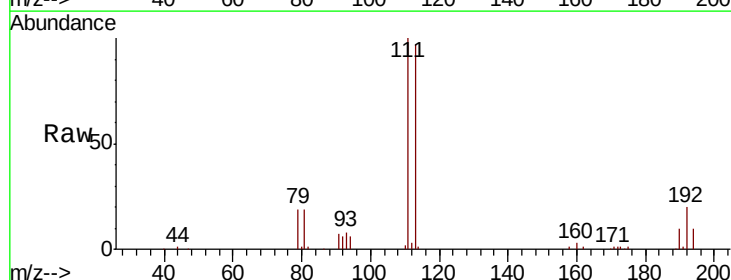
Instrument :
MSVOA_D
ClientSampled :
TP-5S1

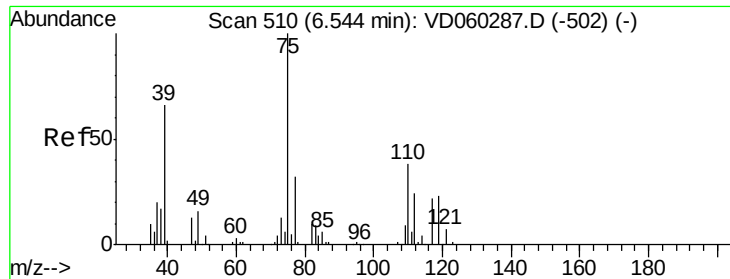
Tot Ion:114 Resp: 1937411
Ion Ratio Lower Upper
114 100
63 18.6 0.0 34.0
88 18.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.04 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Tgt Ion:113 Resp: 529477
Ion Ratio Lower Upper
113 100
111 103.3 81.6 122.4
192 20.3 16.5 24.7

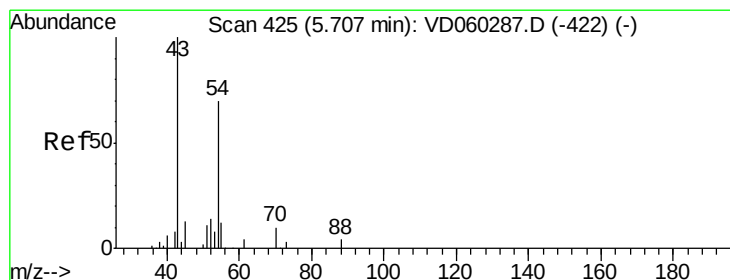
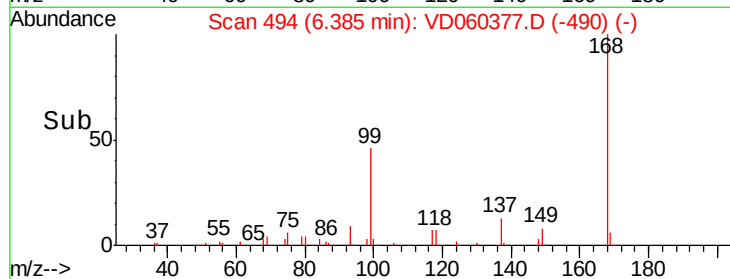
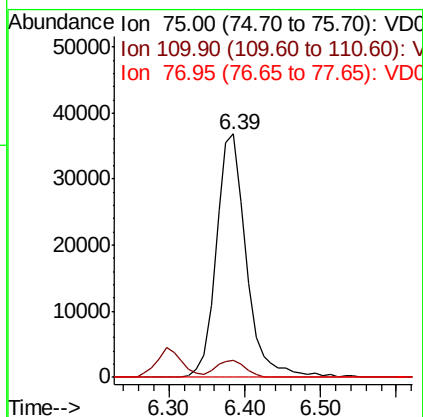
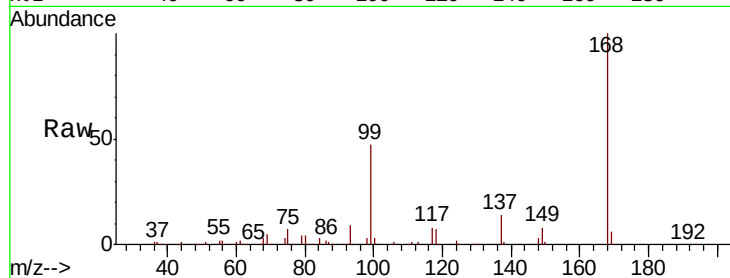




#36
 1,1-Dichloropropene
 Concen: 5.285 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.16 min
 Lab File: VD060377.D
 Acq: 14 Nov 2018 14:13

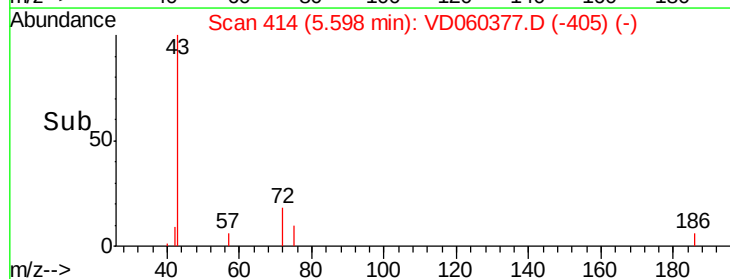
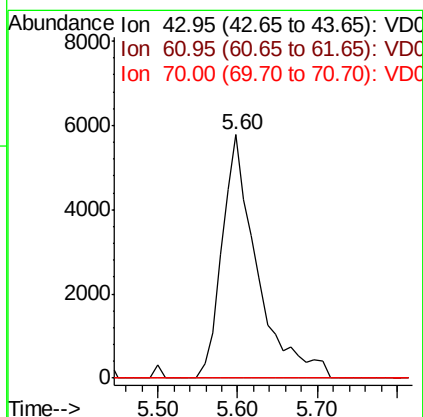
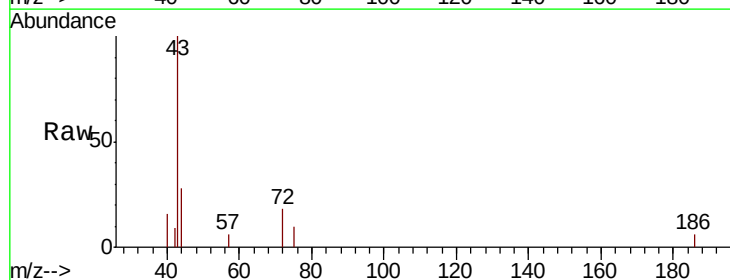
Instrument :
 MSVOA_D
 ClientSampled :
 TP-5S1

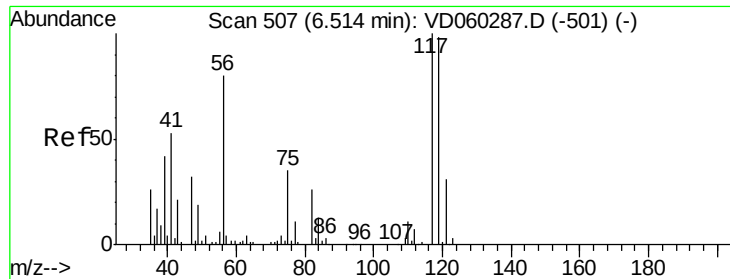
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.0	54.0#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 2.012 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.11 min
 Lab File: VD060377.D
 Acq: 14 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	6.2	9.4#

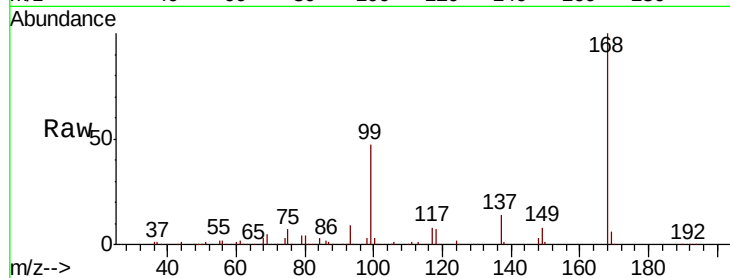




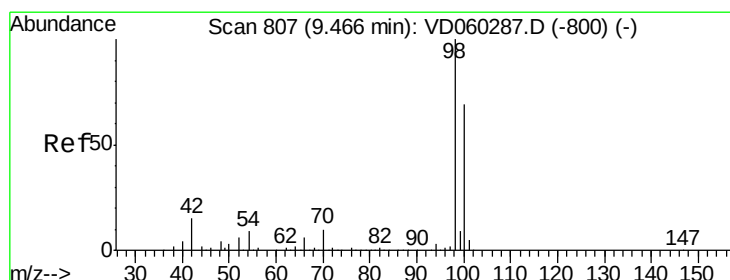
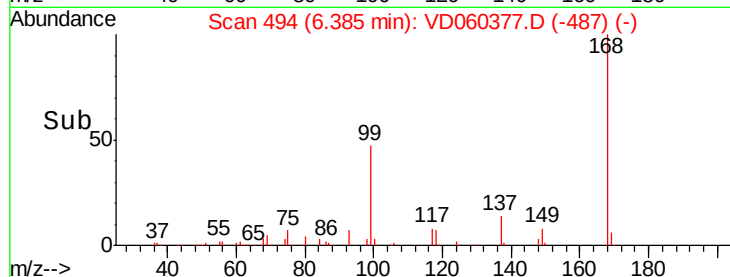
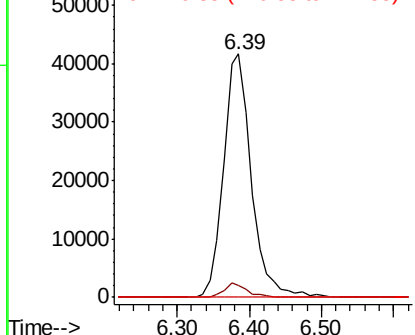
#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.13 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Instrument :
MSVOA_D
ClientSampled :
TP-5S1

Tot Ion:117 Resp: 110795
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.3 36.5#

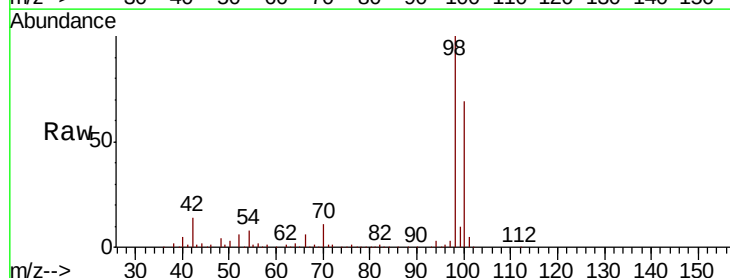


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

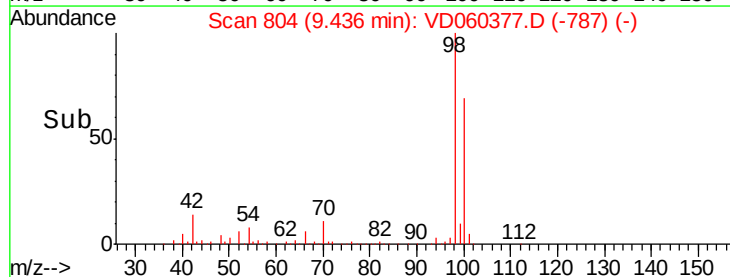
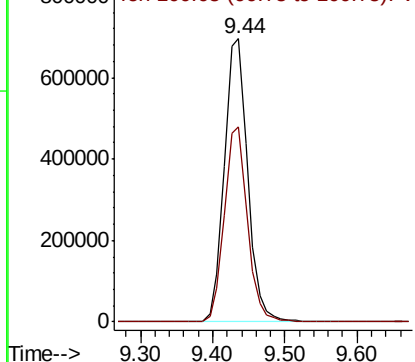


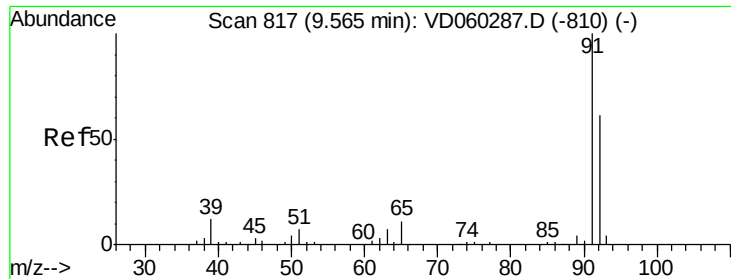
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Tgt Ion: 98 Resp: 1565857
Ion Ratio Lower Upper
98 100
100 68.7 55.2 82.8



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





#52

Toluene

Concen: 3.097 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

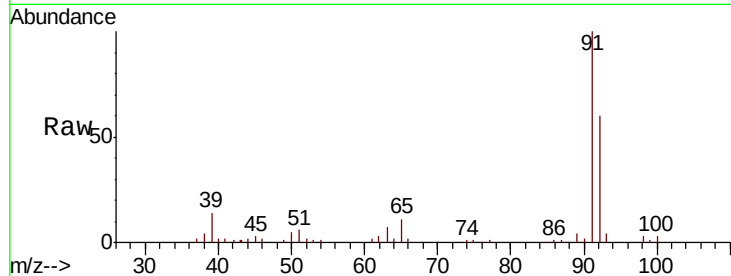
TP-5S1

Tot Ion: 92 Resp: 96643

Ion Ratio Lower Upper

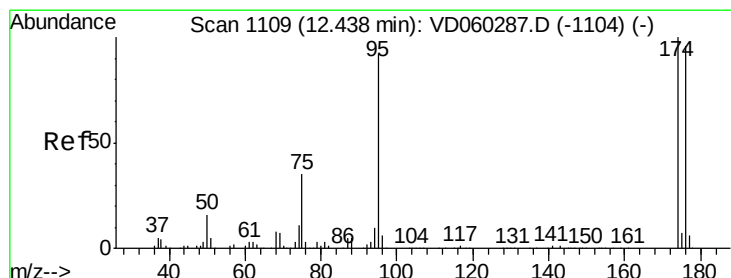
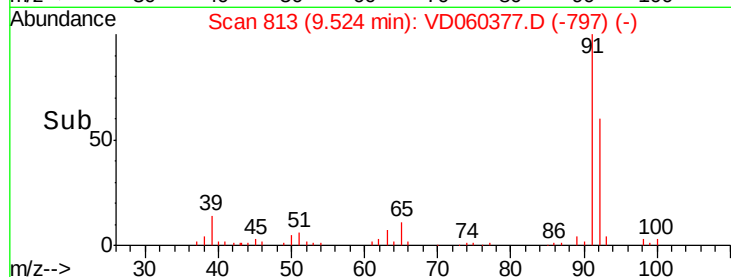
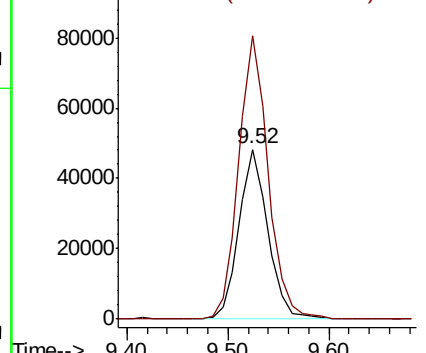
92 100

91 166.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

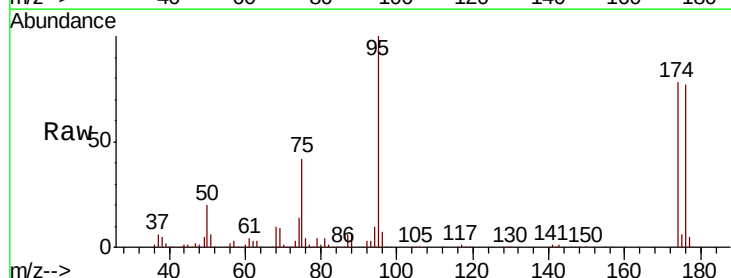
Tgt Ion: 95 Resp: 434148

Ion Ratio Lower Upper

95 100

174 77.7 0.0 160.8

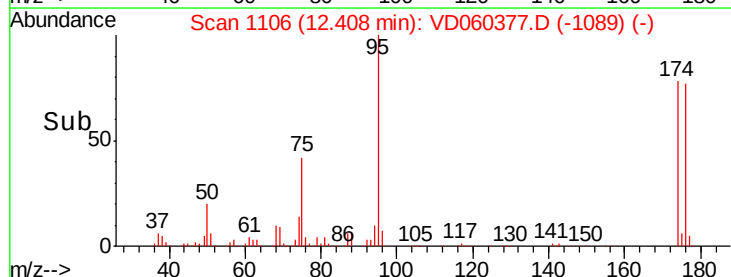
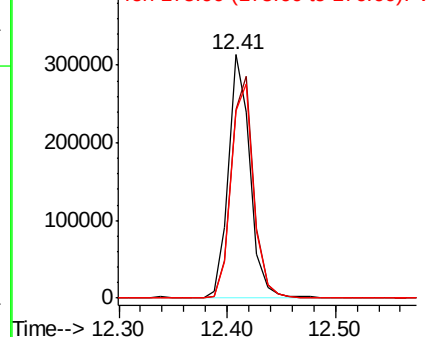
176 77.1 0.0 154.6

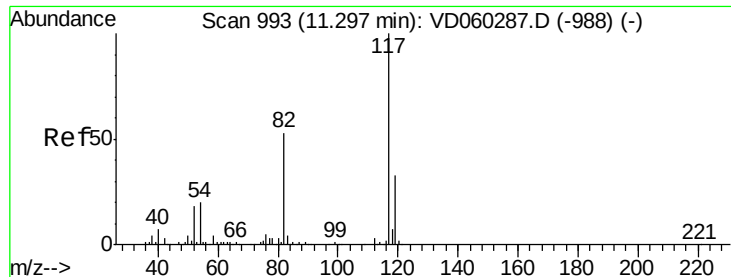


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

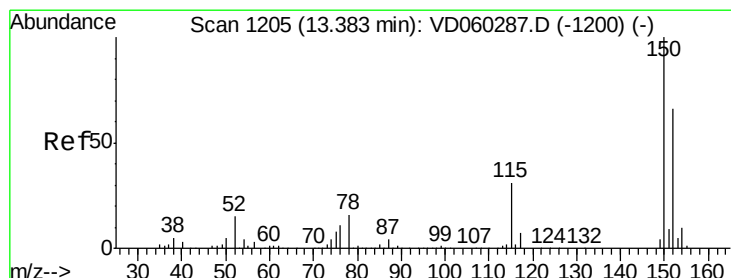
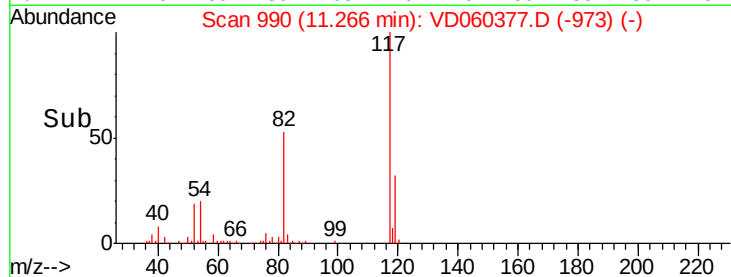
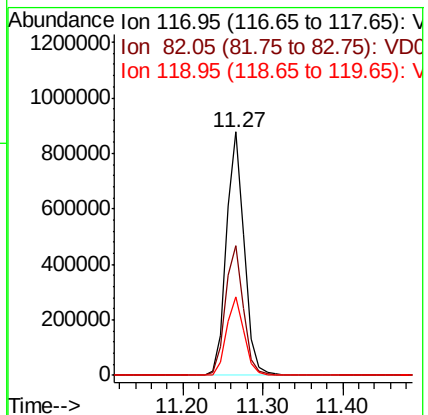
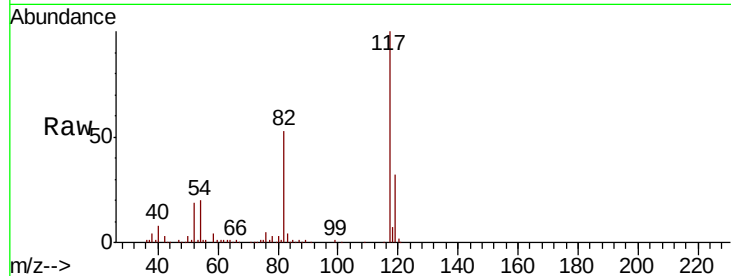




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

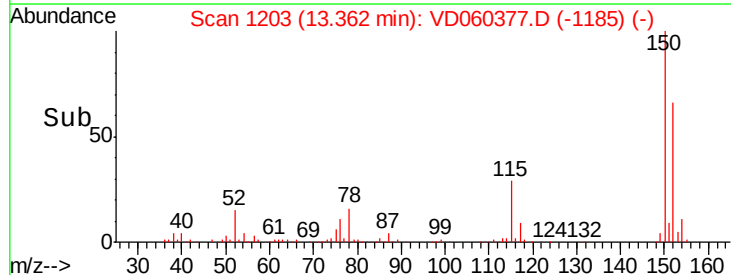
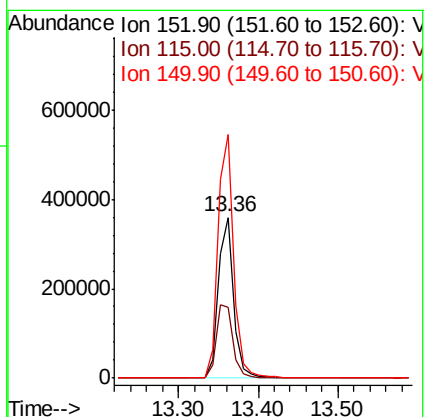
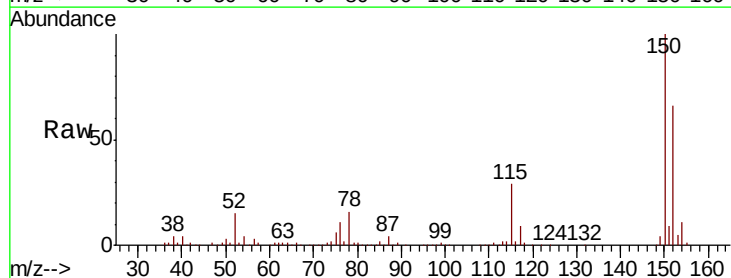
Instrument :
MSVOA_D
ClientSampleID :
TP-5S1

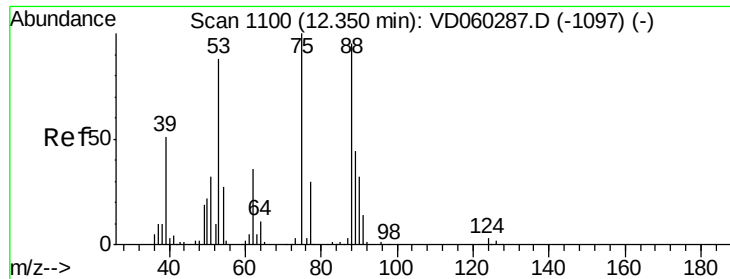
Tot Ion:117 Resp: 1385435
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060377.D
Acq: 14 Nov 2018 14:13

Tgt Ion:152 Resp: 489070
Ion Ratio Lower Upper
152 100
115 43.9 24.1 72.3
150 151.5 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 106.386 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

TP-5S1

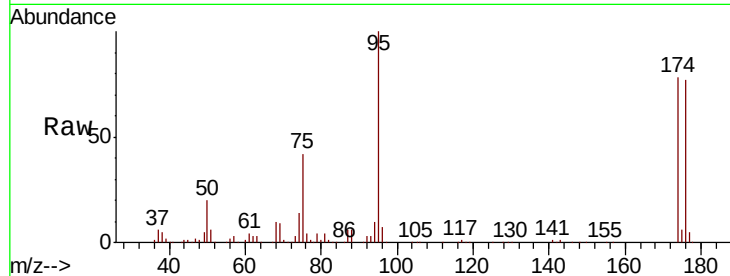
Tot Ion: 75 Resp: 177197

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

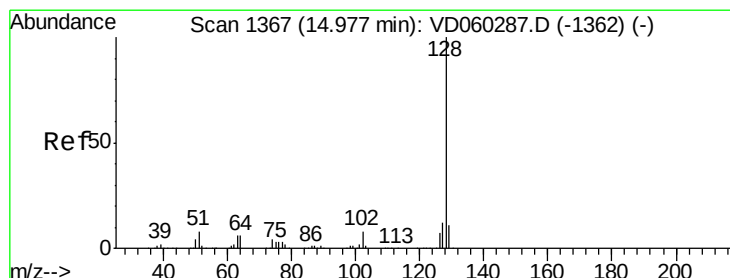
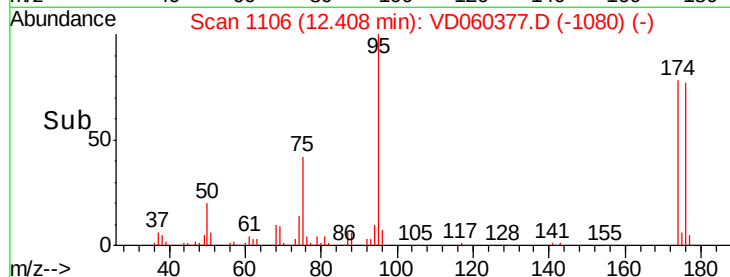
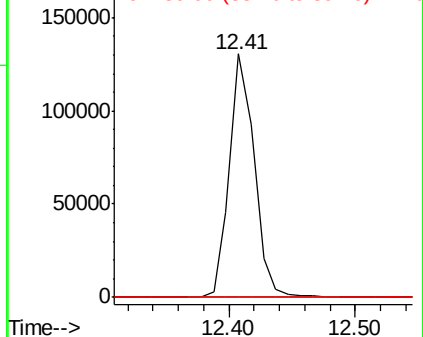
89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#95

Naphthalene

Concen: 1.004 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VD060377.D

Acq: 14 Nov 2018 14:13

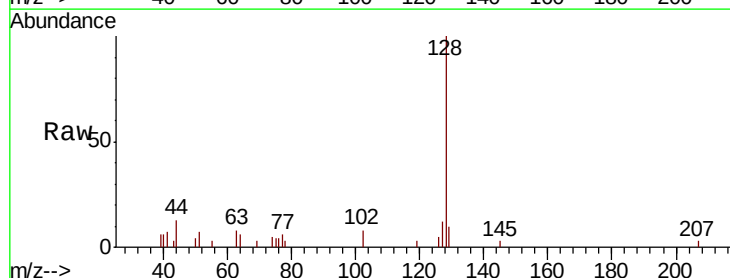
Tgt Ion:128 Resp: 13450

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

129 9.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

