

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060333.D
 Acq On : 12 Nov 2018 13:12
 Operator : JC/SY
 Sample : J5889-01
 Misc : 12.55g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-A

Quant Time: Nov 13 00:39:31 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	6.40	168	695668	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1034021	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	719074	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	258338	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	354280	71.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	142.24%	
35) Dibromofluoromethane	6.31	113	501924	65.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	130.20%	
50) Toluene-d8	9.44	98	1168058	51.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.42	95	301827	36.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	73.82%	

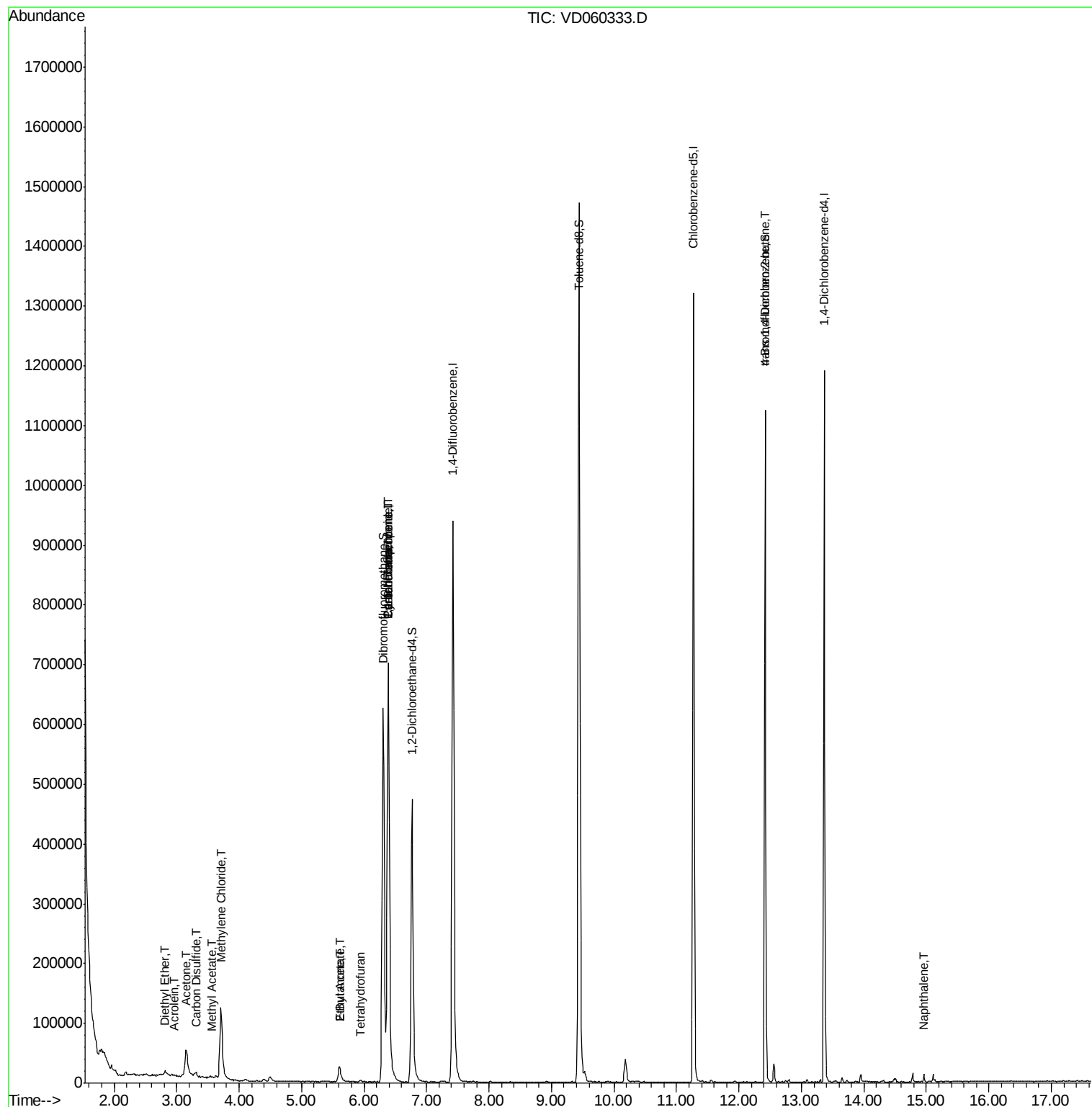
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	570	Below Cal	#	41
8) Diethyl Ether	2.82	74	3473	3.023	ug/l	72
13) Acrolein	2.96	56	376	1.556	ug/l #	14
16) Acetone	3.15	43	104022	120.392	ug/l	100
17) Carbon Disulfide	3.32	76	11868	1.083	ug/l #	91
18) Methyl Acetate	3.56	43	4990	2.709	ug/l #	63
20) Methylene Chloride	3.71	84	80180	10.461	ug/l	94
25) 2-Butanone	5.60	43	53056	29.542	ug/l	95
29) Tetrahydrofuran	5.93	42	2427	2.563	ug/l #	41
31) Cyclohexane	6.39	56	13633	1.146	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	48221	4.720	ug/l #	47
37) Ethyl Acetate	5.60	43	53058	11.287	ug/l #	69
38) Carbon Tetrachloride	6.40	117	54945	5.798	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	125211	142.316	ug/l #	15
89) n-Butylbenzene	13.64	91	1333	Below Cal	#	79
95) Naphthalene	14.96	128	8257	1.167	ug/l #	94

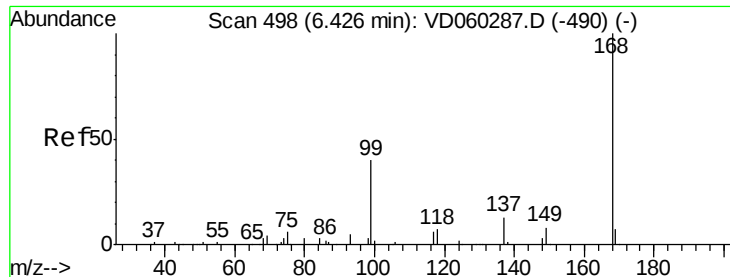
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
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QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

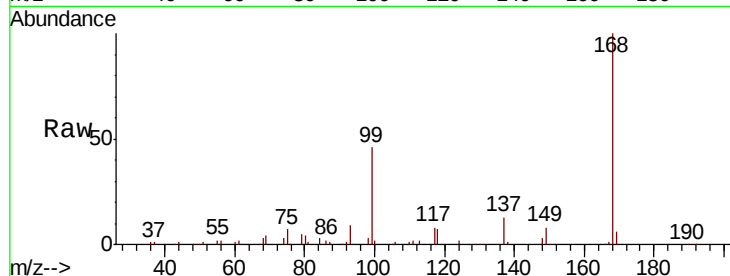
WALL-A

Tgt Ion:168 Resp: 695668

Ion Ratio Lower Upper

168 100

99 45.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

250000

200000

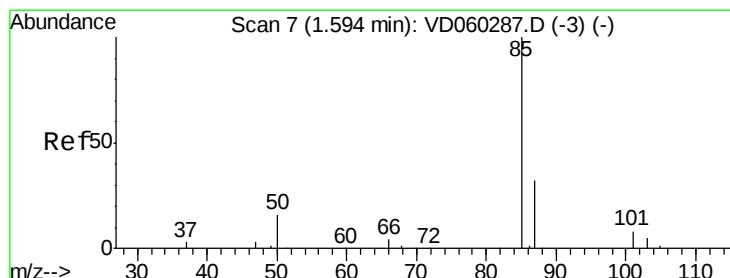
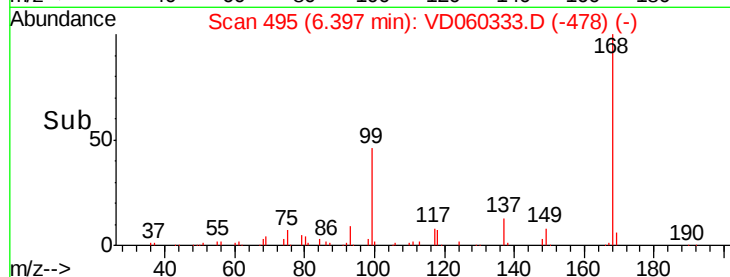
150000

100000

50000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060333.D

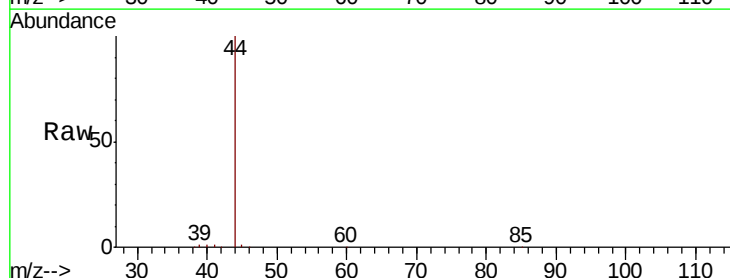
Acq: 12 Nov 2018 13:12

Tgt Ion: 85 Resp: 570

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

1.59

600

500

400

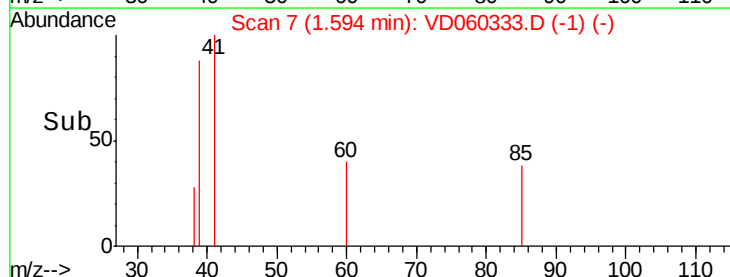
300

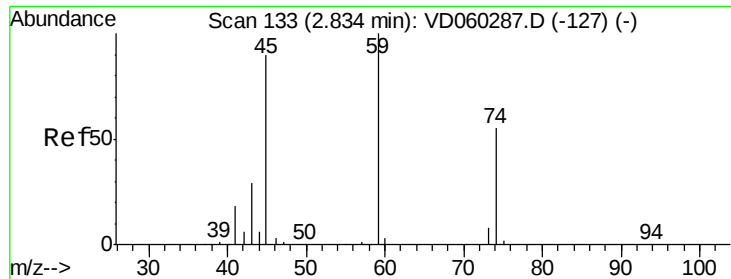
200

100

0

Time--> 1.56 1.58 1.60 1.62





#8

Diethyl Ether

Concen: 3.023 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

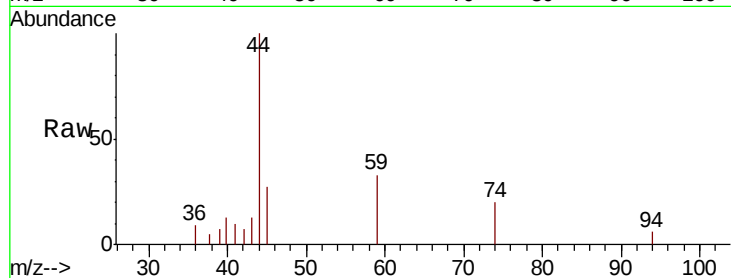
WALL-A

Tgt Ion: 74 Resp: 3473

Ion Ratio Lower Upper

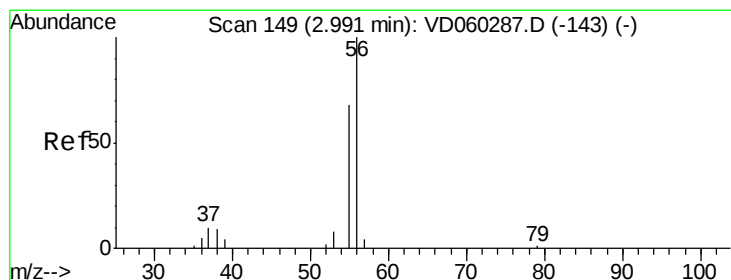
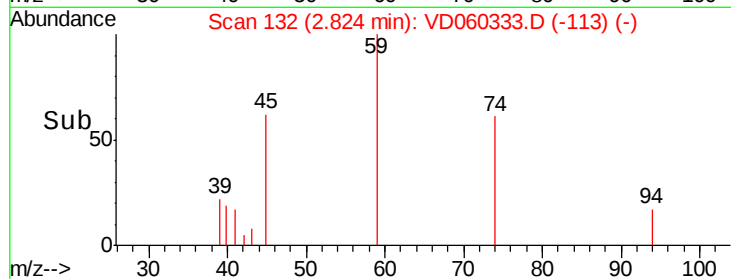
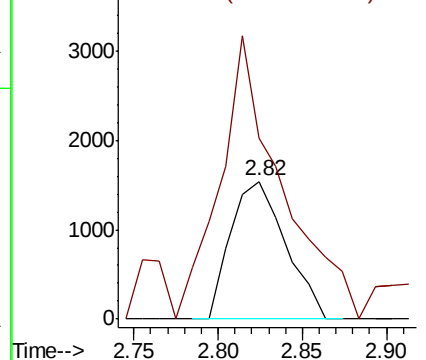
74 100

45 131.4 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#13

Acrolein

Concen: 1.556 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.03 min

Lab File: VD060333.D

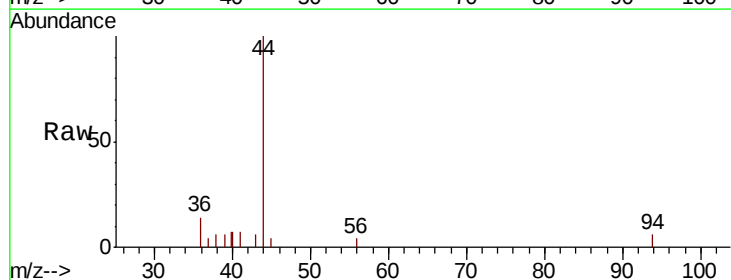
Acq: 12 Nov 2018 13:12

Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

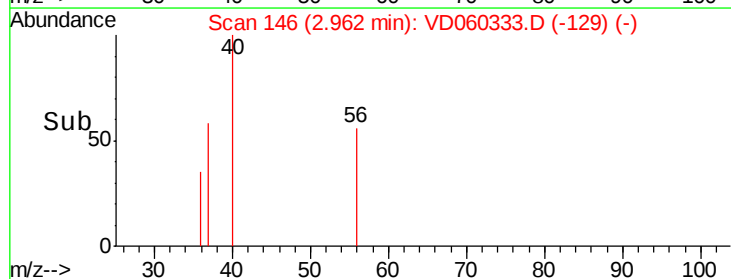
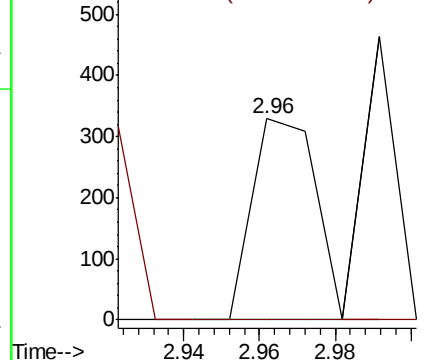
56 100

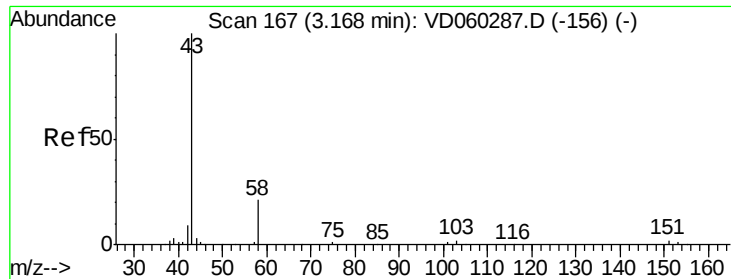
55 0.0 57.0 85.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 120.392 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

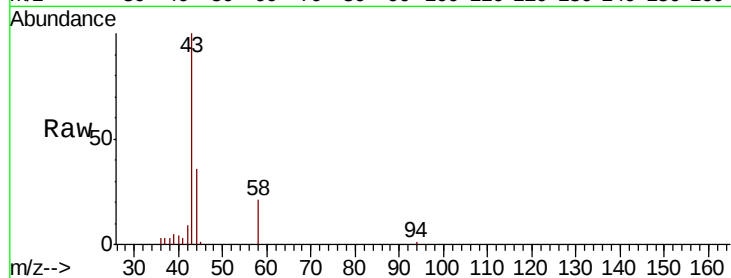
WALL-A

Tgt Ion: 43 Resp: 104022

Ion Ratio Lower Upper

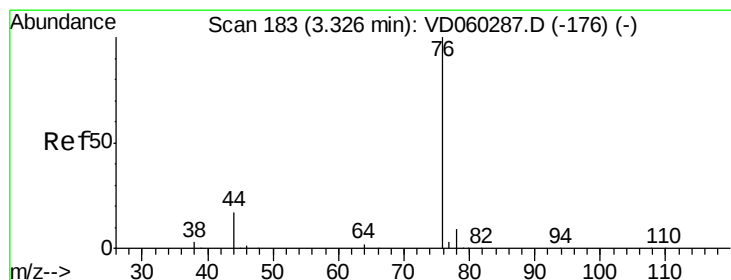
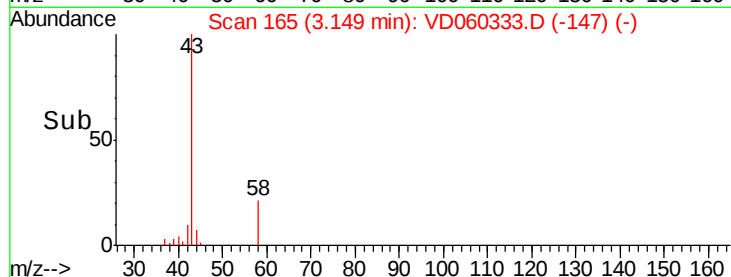
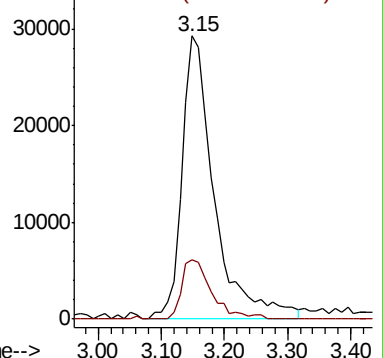
43 100

58 21.1 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: 1.083 ug/l

RT: 3.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060333.D

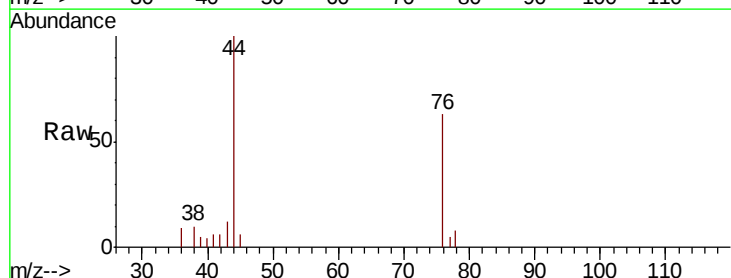
Acq: 12 Nov 2018 13:12

Tgt Ion: 76 Resp: 11868

Ion Ratio Lower Upper

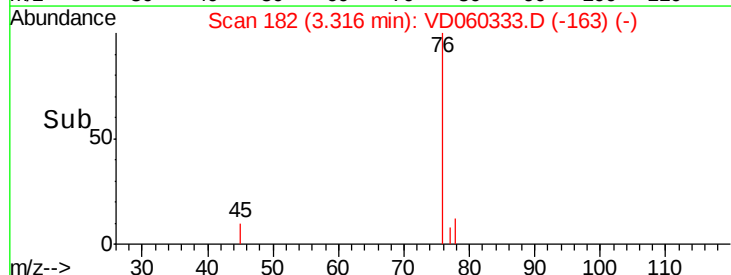
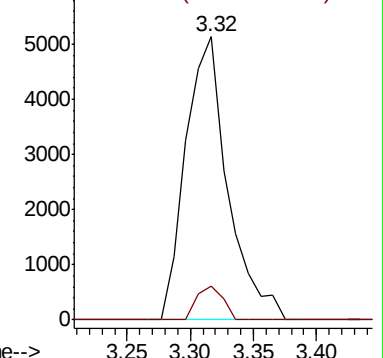
76 100

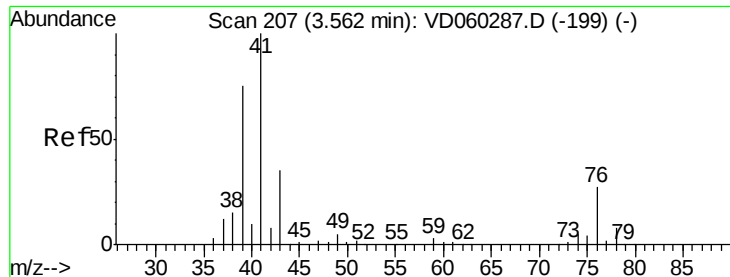
78 12.1 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

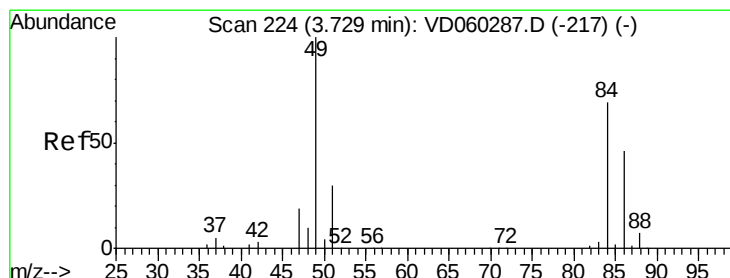
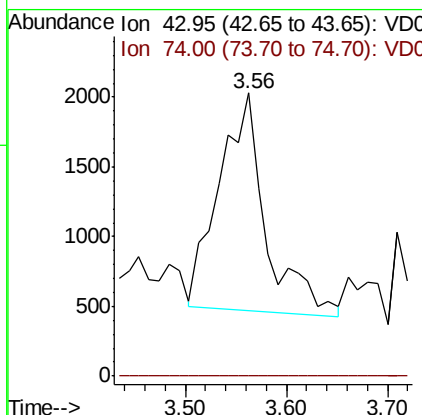
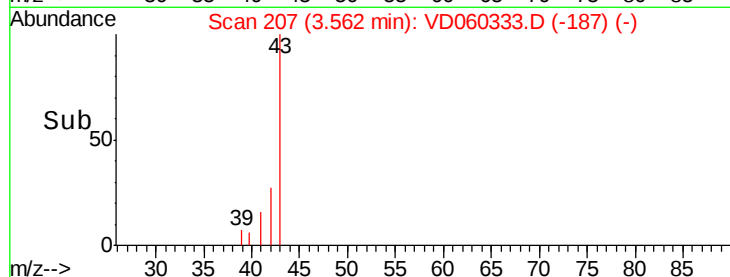
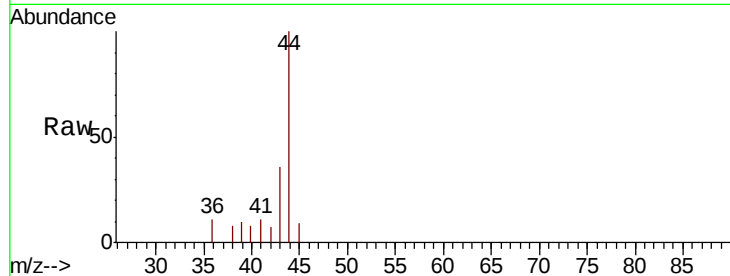




#18
Methyl Acetate
Concen: 2.709 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

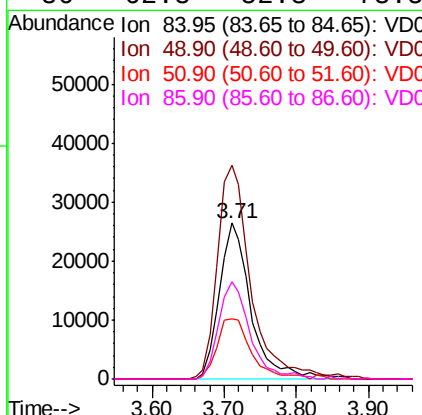
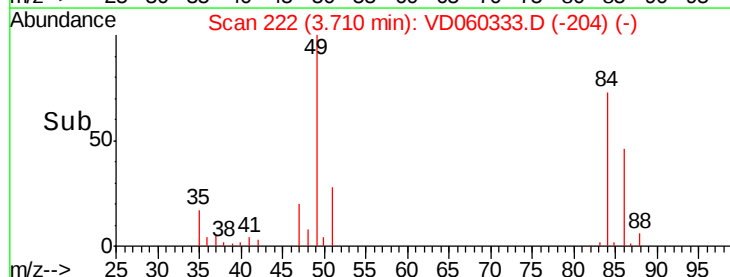
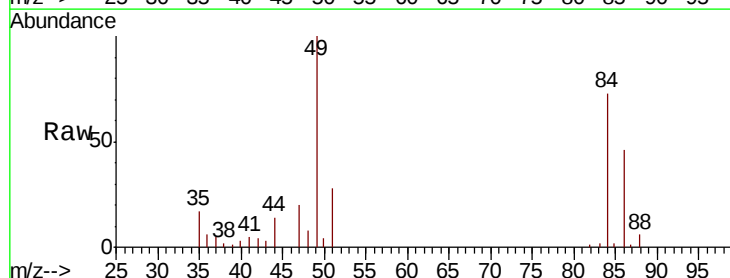
Instrument :
MSVOA_D
ClientSampleId :
WALL-A

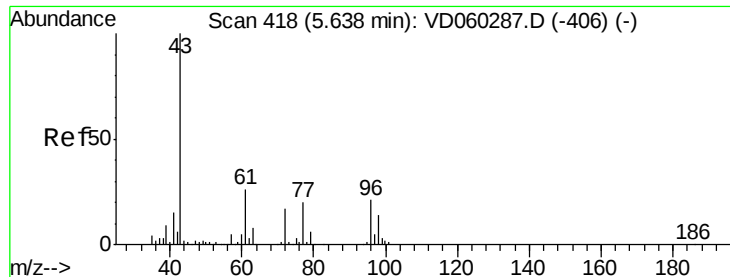
Tgt Ion: 43 Resp: 4990
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 10.461 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Tgt Ion: 84 Resp: 80180
Ion Ratio Lower Upper
84 100
49 137.3 115.6 173.4
51 38.4 35.6 53.4
86 62.8 52.3 78.5





#25

2-Butanone

Concen: 29.542 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

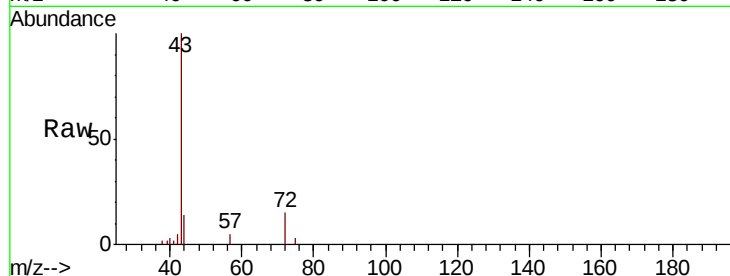
WALL-A

Tgt Ion: 43 Resp: 53056

Ion Ratio Lower Upper

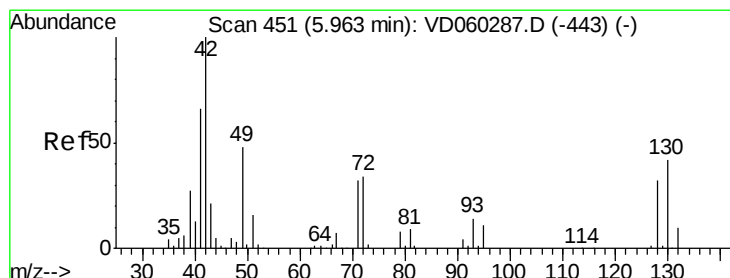
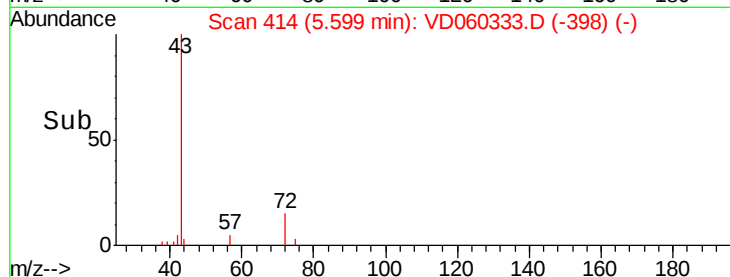
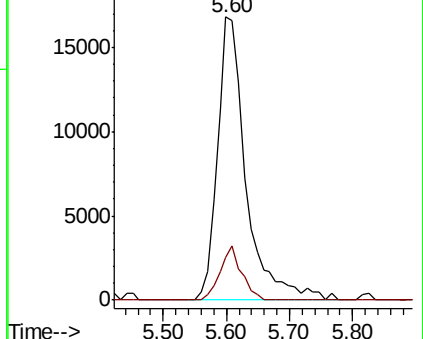
43 100

72 15.0 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: 2.563 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

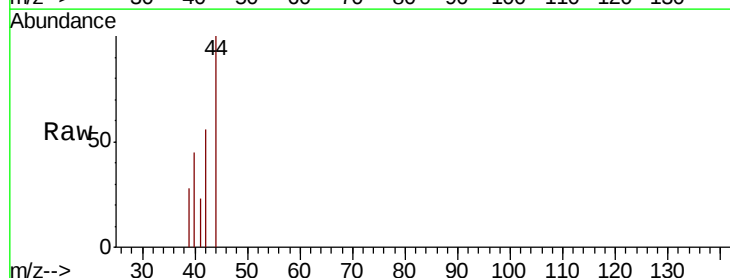
Tgt Ion: 42 Resp: 2427

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

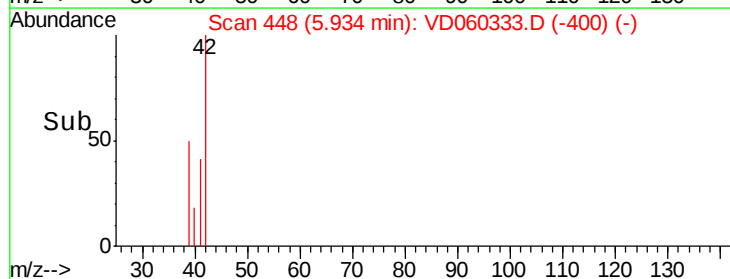
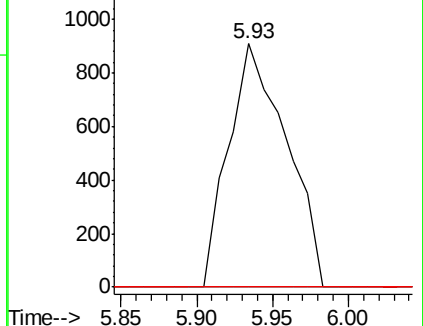
71 0.0 26.5 39.7#

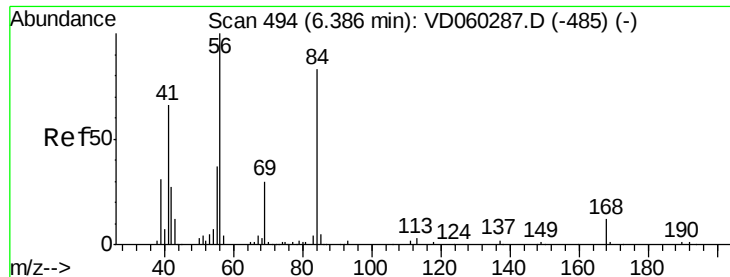


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

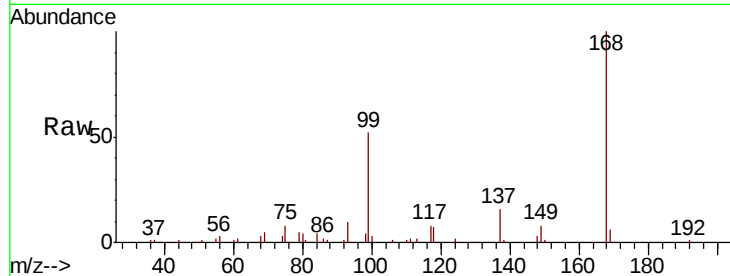




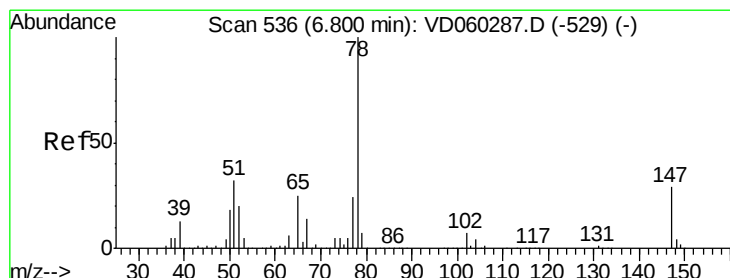
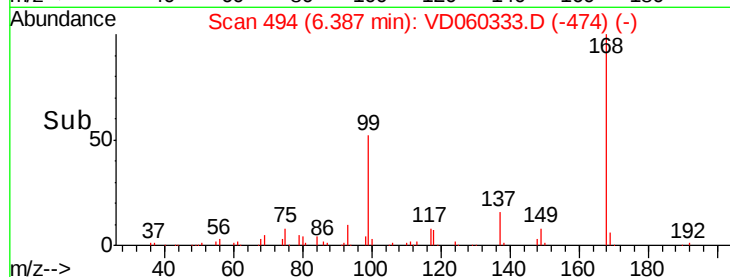
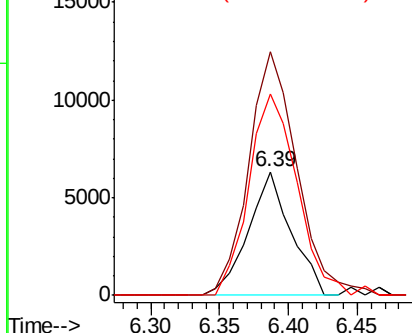
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
WALL-A

Tgt Ion: 56 Resp: 13633
Ion Ratio Lower Upper
56 100
69 196.9 22.2 33.2#
84 163.2 63.0 94.4#

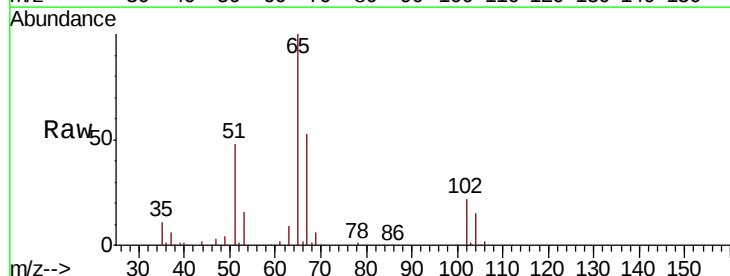


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

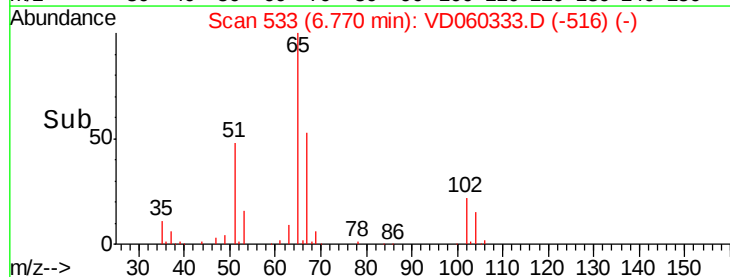
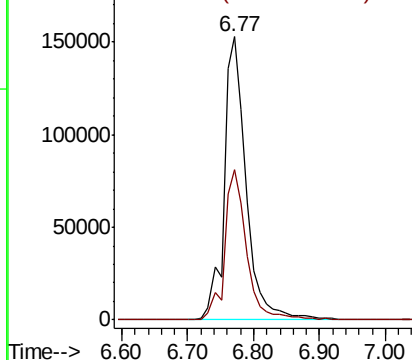


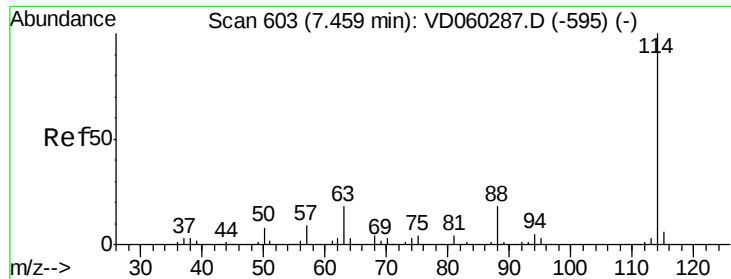
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Tgt Ion: 65 Resp: 354280
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

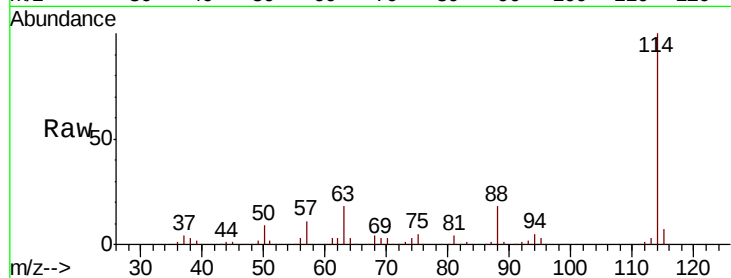




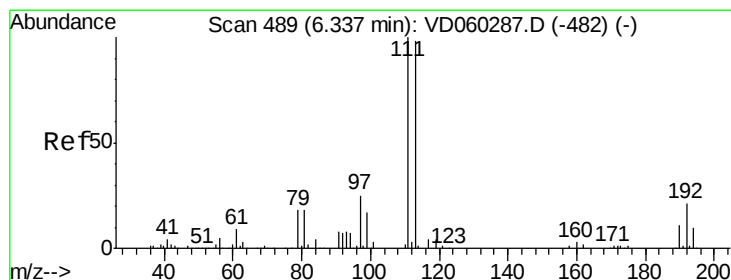
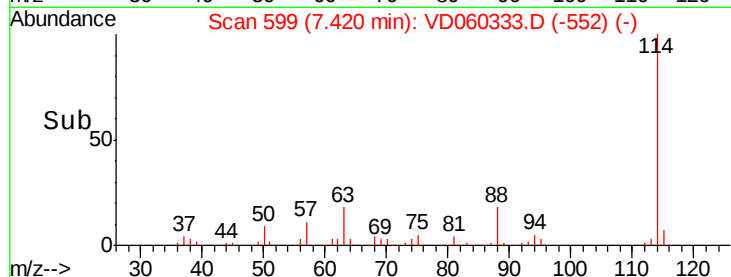
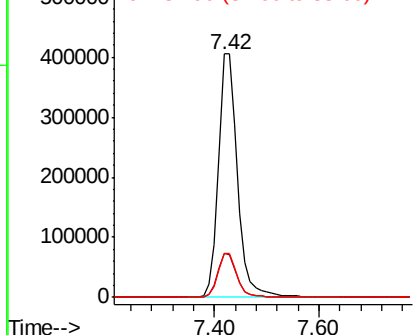
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060333.D
 Acq: 12 Nov 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-A

Tgt Ion:114 Resp: 1034021
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 18.0 0.0 35.4

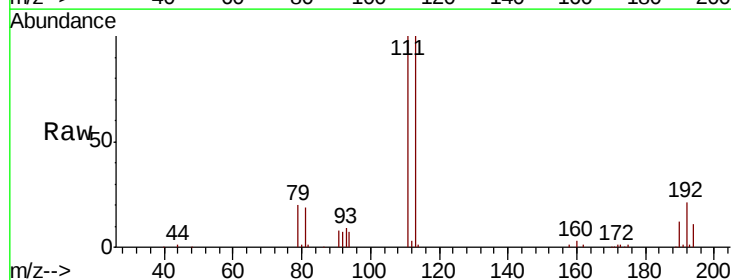


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

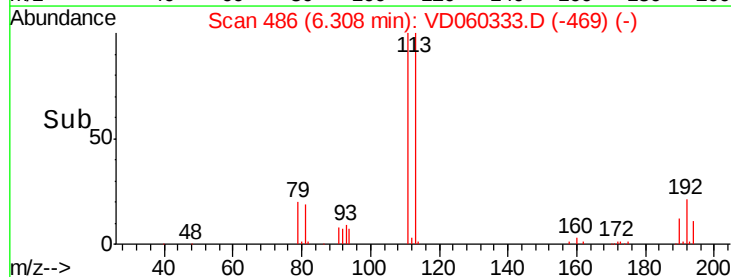
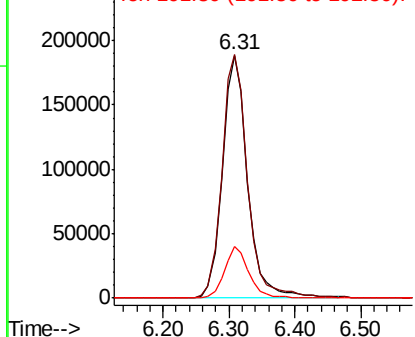


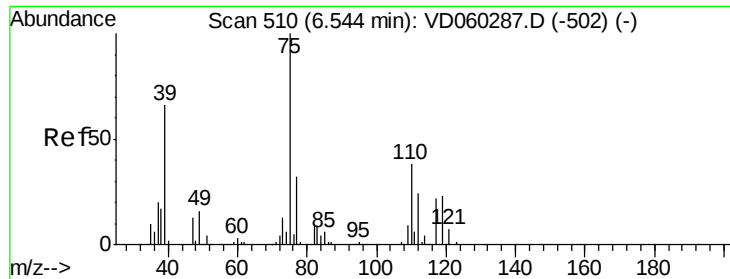
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060333.D
 Acq: 12 Nov 2018 13:12

Tgt Ion:113 Resp: 501924
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.6 122.4
 192 21.0 16.5 24.7



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

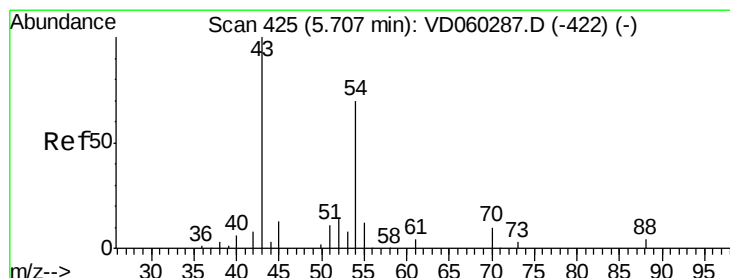
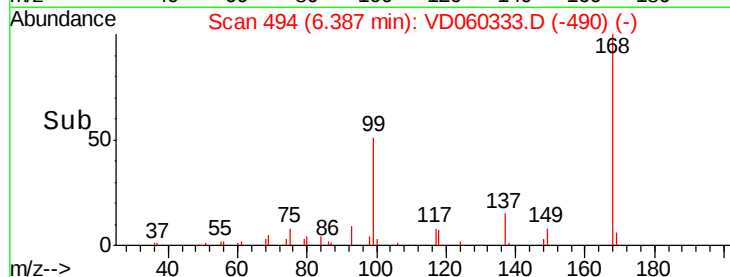
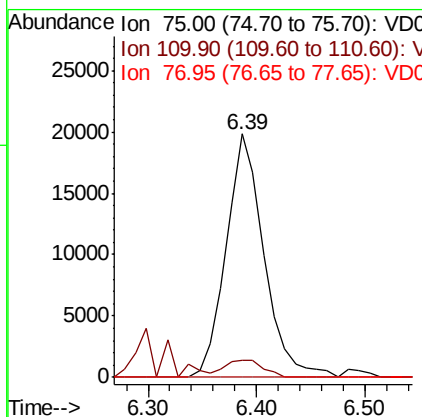
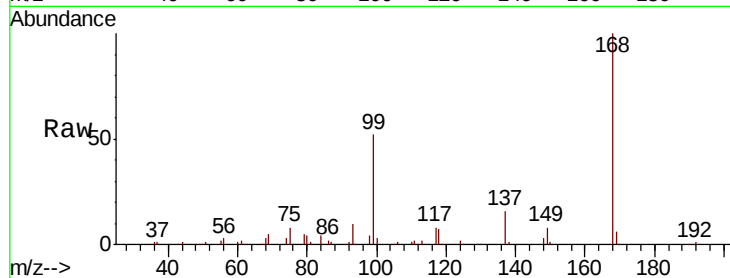




#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.16 min
 Lab File: VD060333.D
 Acq: 12 Nov 2018 13:12

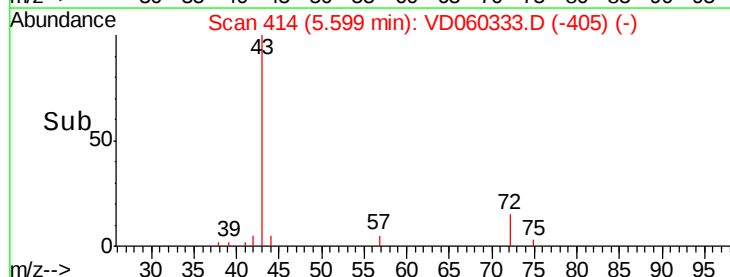
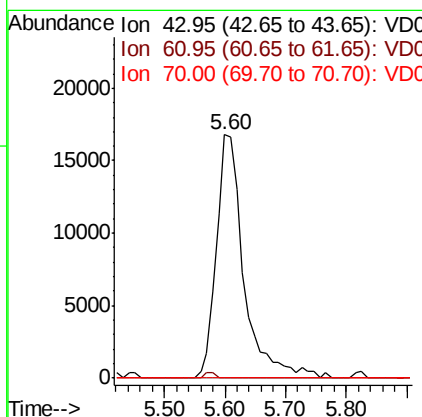
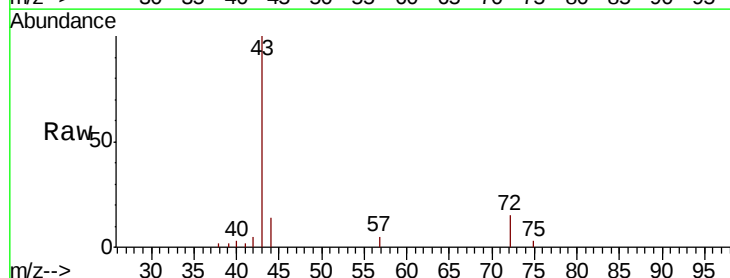
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-A

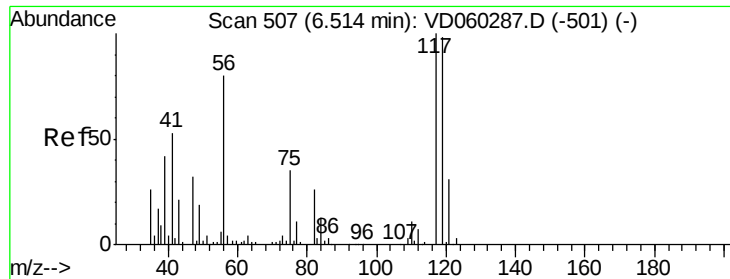
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.0	54.0#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 11.287 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.11 min
 Lab File: VD060333.D
 Acq: 12 Nov 2018 13:12

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

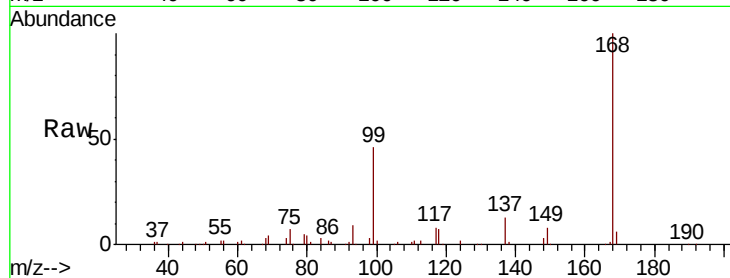




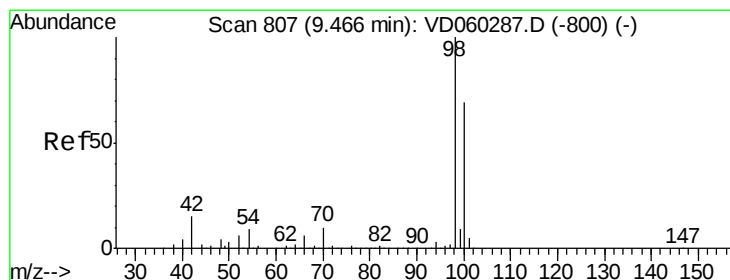
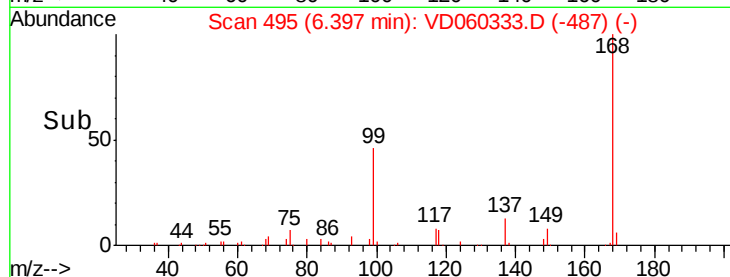
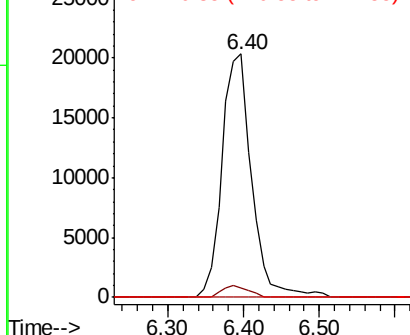
#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 6.40 min Scan# 495
Delta R.T. -0.12 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
WALL-A

Tgt Ion:117 Resp: 54945
Ion Ratio Lower Upper
117 100
119 3.9 76.6 115.0#
121 0.0 24.3 36.5#

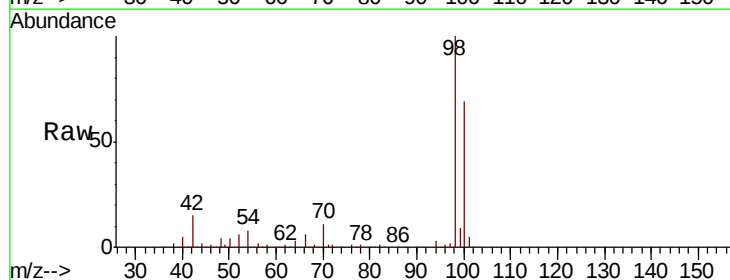


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

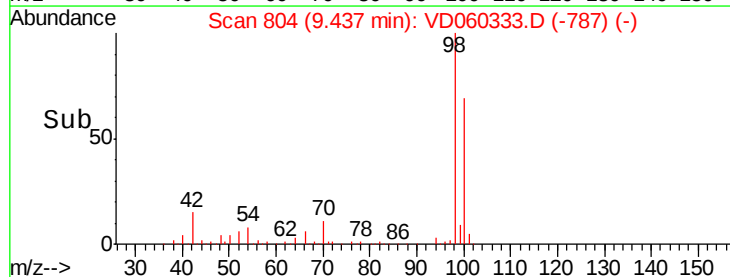
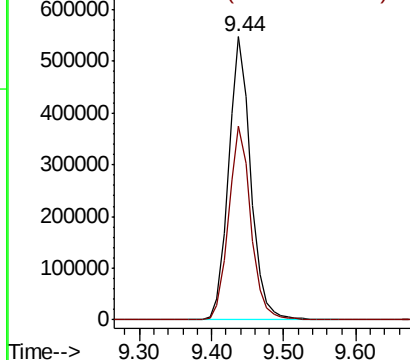


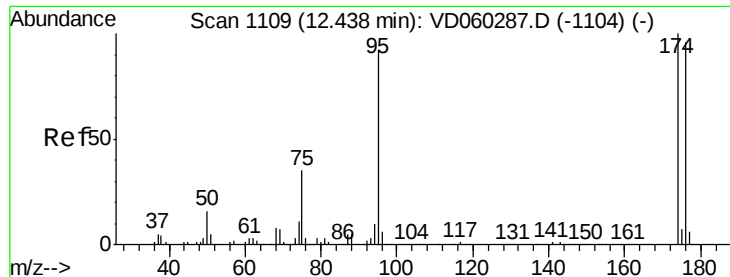
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Tgt Ion: 98 Resp: 1168058
Ion Ratio Lower Upper
98 100
100 68.6 55.2 82.8



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

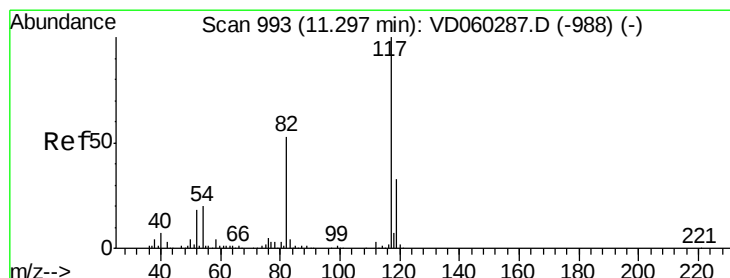
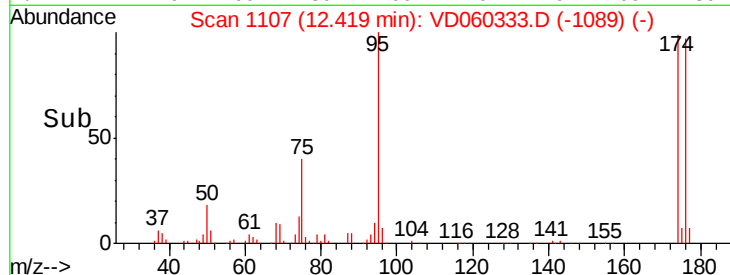
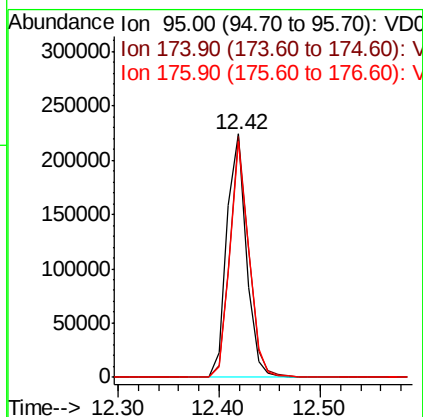
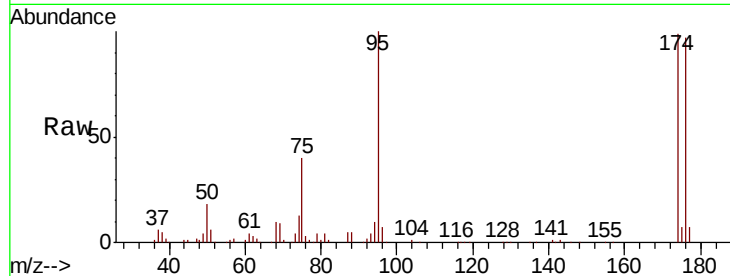




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

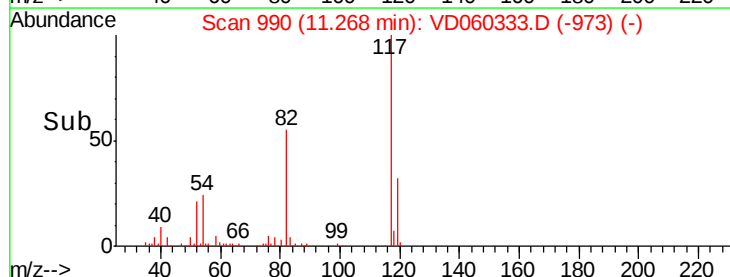
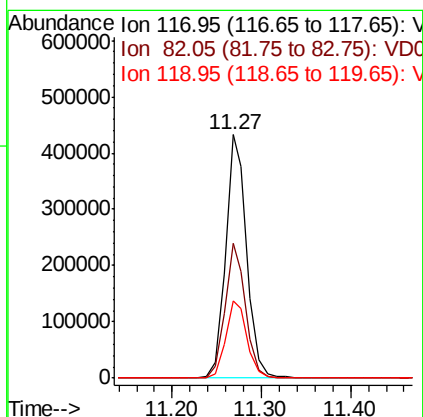
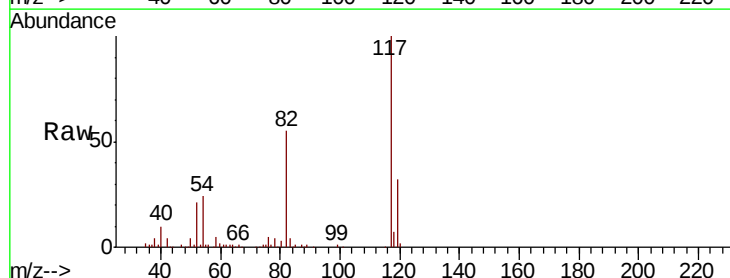
Instrument :
MSVOA_D
ClientSampleId :
WALL-A

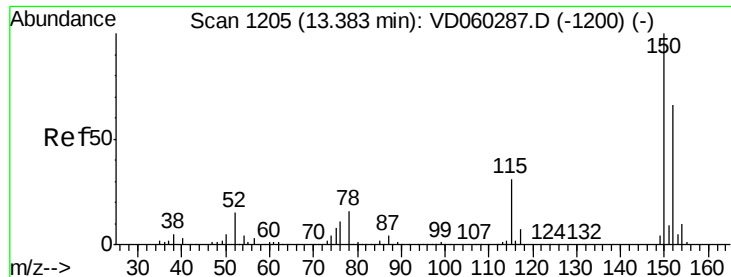
Tgt Ion: 95 Resp: 301827
Ion Ratio Lower Upper
95 100
174 98.8 0.0 160.8
176 96.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Tgt Ion: 117 Resp: 719074
Ion Ratio Lower Upper
117 100
82 55.3 43.7 65.5
119 31.5 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: VD060333.D

Acq: 12 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

WALL-A

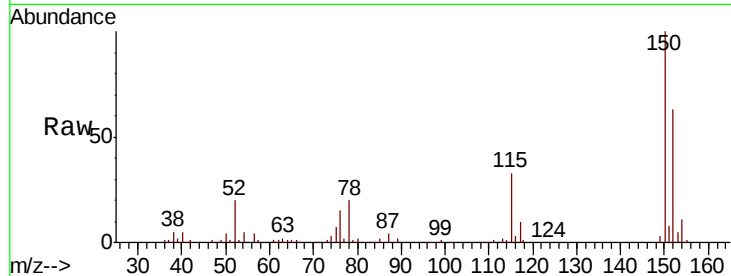
Tgt Ion: 152 Resp: 258338

Ion Ratio Lower Upper

152 100

115 52.6 24.1 72.3

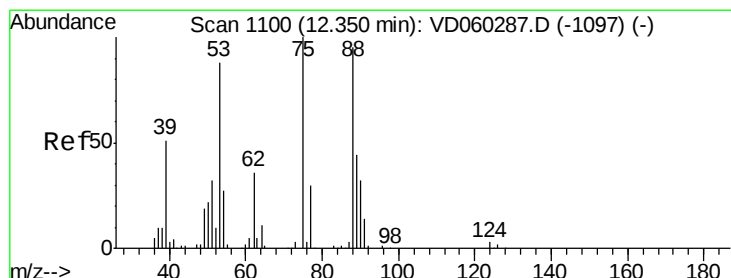
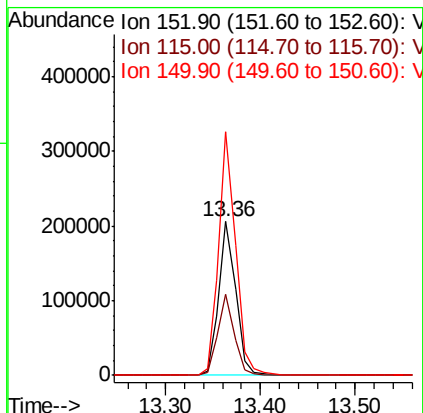
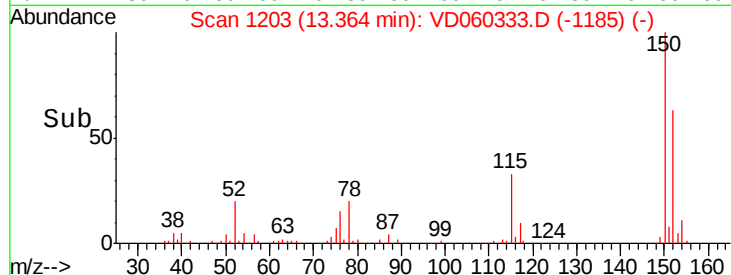
150 158.1 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.316 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060333.D

Acq: 12 Nov 2018 13:12

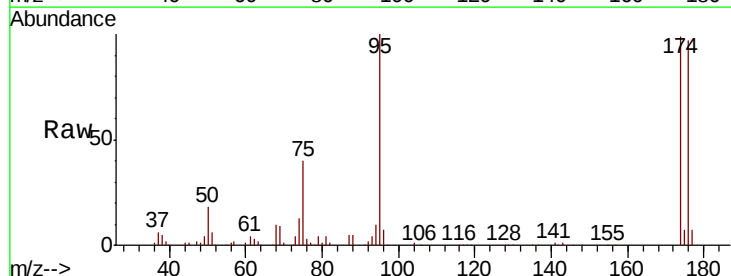
Tgt Ion: 75 Resp: 125211

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

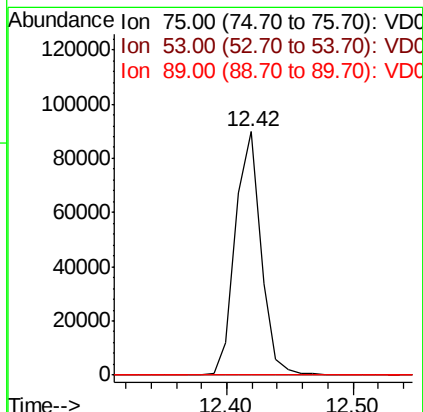
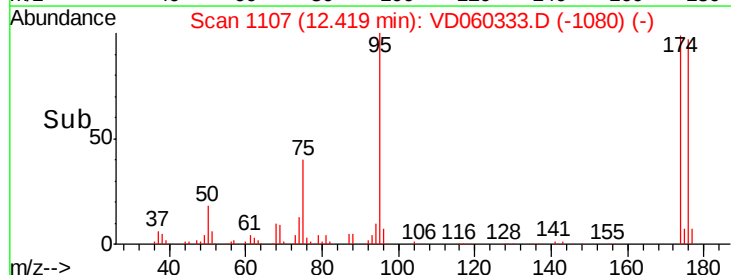
89 0.0 34.1 51.1#

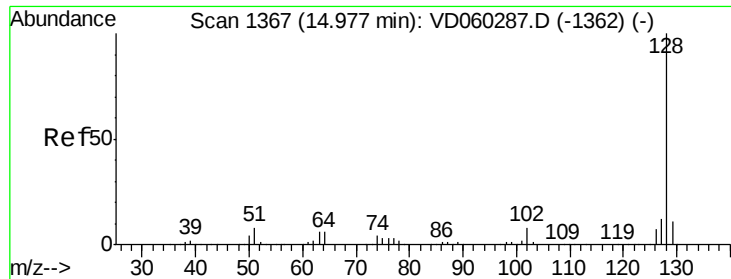


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

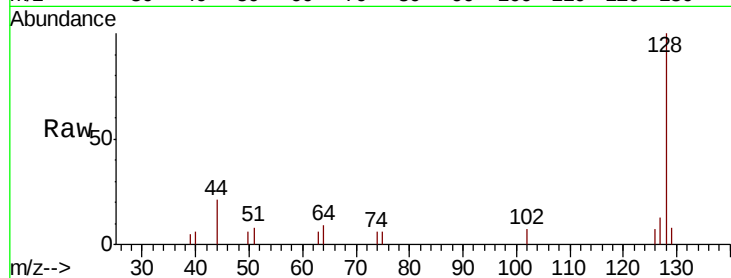




#95
Naphthalene
Concen: 1.167 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060333.D
Acq: 12 Nov 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
WALL-A

Tgt Ion:128 Resp: 8257
Ion Ratio Lower Upper
128 100
127 13.3 9.6 14.4
129 7.6 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

