

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060559.D
 Acq On : 13 Dec 2018 14:21
 Operator : VA/AP
 Sample : J6199-07
 Misc : 6.16g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-B

Quant Time: Dec 14 01:05:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1534453	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2149053	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1636136	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	682275	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	430608	39.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	79.18%	
35) Dibromofluoromethane	6.31	113	609684	38.62	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	77.24%	
50) Toluene-d8	9.43	98	1547870	33.89	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	67.78%	
62) 4-Bromofluorobenzene	12.41	95	541167	33.11	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	66.22%	

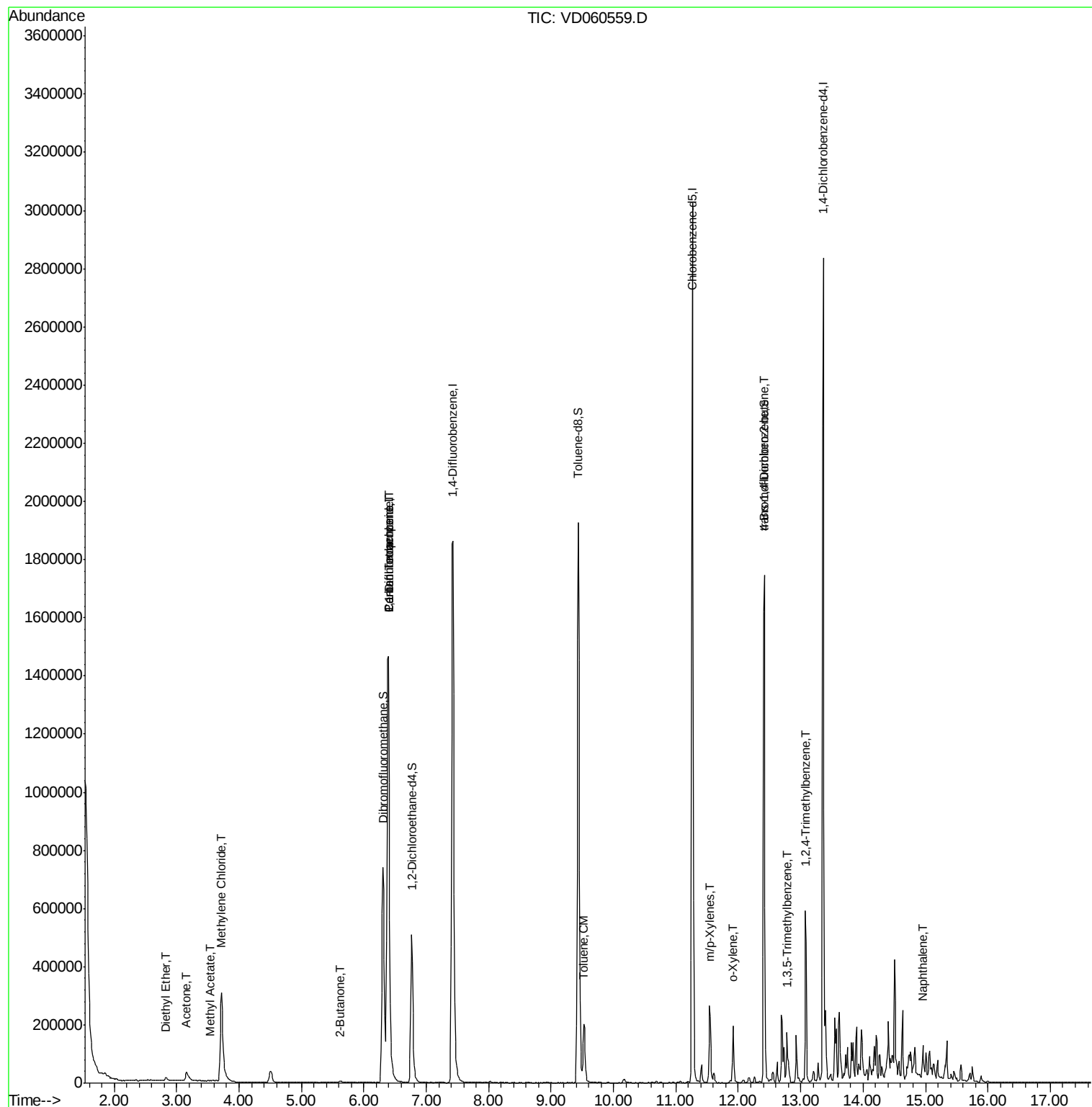
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.60	85	1497	Below Cal	# 41
8) Diethyl Ether	2.83	74	4850	1.933	ug/l 90
16) Acetone	3.16	43	63543	36.449	ug/l 95
18) Methyl Acetate	3.54	43	4510	1.088	ug/l # 64
20) Methylene Chloride	3.72	84	207726	9.340	ug/l 97
25) 2-Butanone	5.61	43	4005	1.168	ug/l # 59
31) Cyclohexane	6.39	56	29355	Below Cal	# 1
36) 1,1-Dichloropropene	6.38	75	107014	5.094	ug/l # 46
38) Carbon Tetrachloride	6.38	117	114725	6.083	ug/l # 16
52) Toluene	9.52	92	109151	3.253	ug/l 96
68) m/p-Xylenes	11.54	106	79842	3.655	ug/l 90
69) o-Xylene	11.91	106	46018	2.211	ug/l 74
80) 1,3,5-Trimethylbenzene	12.78	105	73045	1.980	ug/l 97
81) trans-1,4-Dichloro-2-buten	12.41	75	220511	102.273	ug/l # 14
84) 1,2,4-Trimethylbenzene	13.08	105	277960	7.277	ug/l 97
95) Naphthalene	14.96	128	58242	3.335	ug/l 99

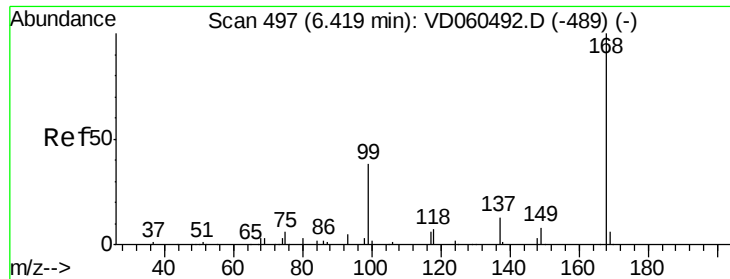
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

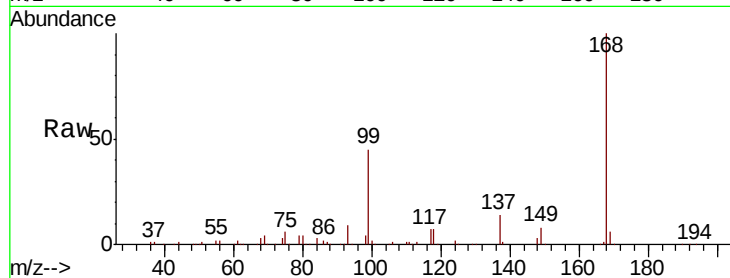
SU-04-121218-B

Tgt Ion:168 Resp: 1534453

Ion Ratio Lower Upper

168 100

99 45.2 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

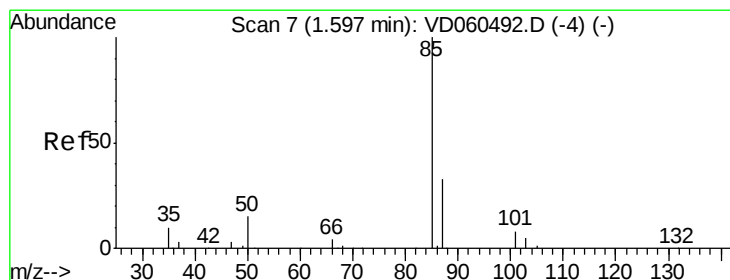
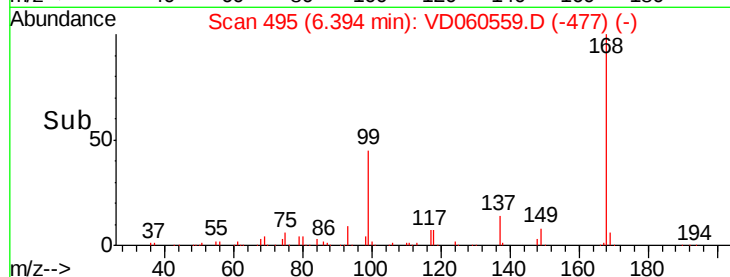
6.39

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060559.D

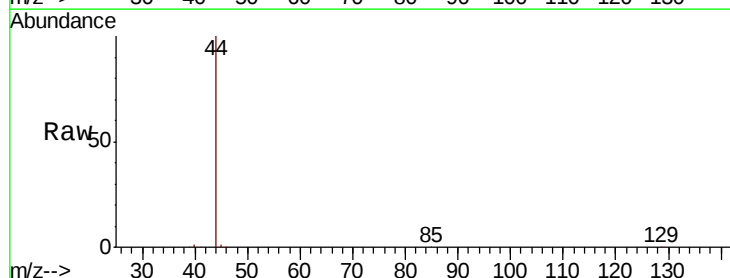
Acq: 13 Dec 2018 14:21

Tgt Ion: 85 Resp: 1497

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

1000

800

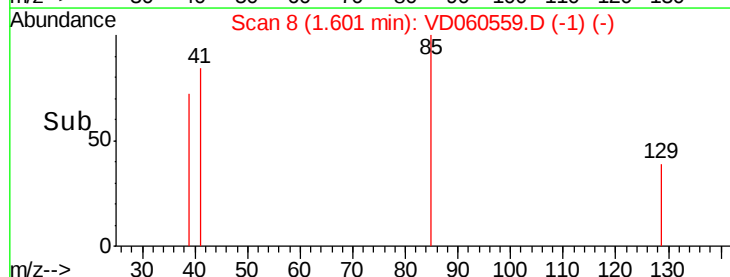
600

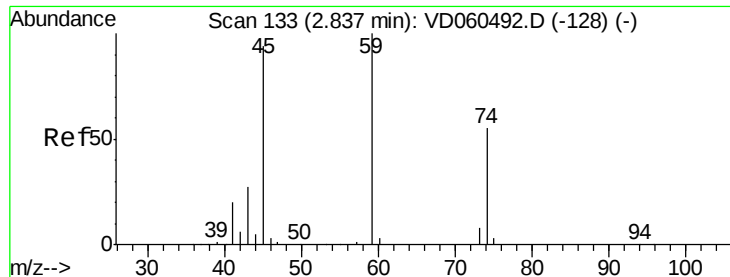
400

200

0

Time-->

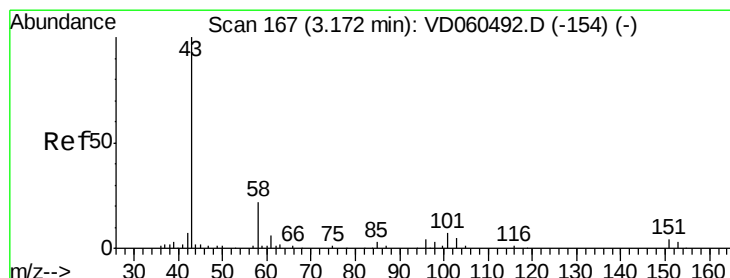
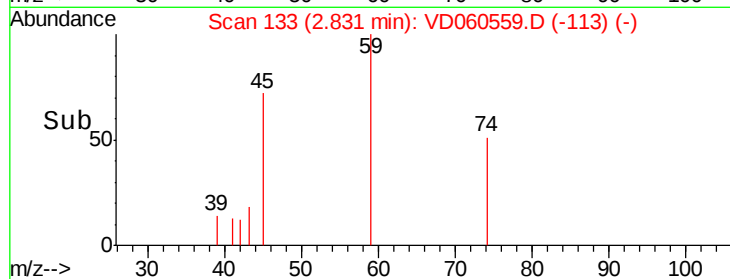
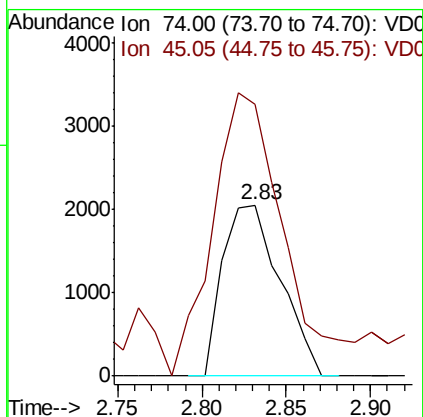
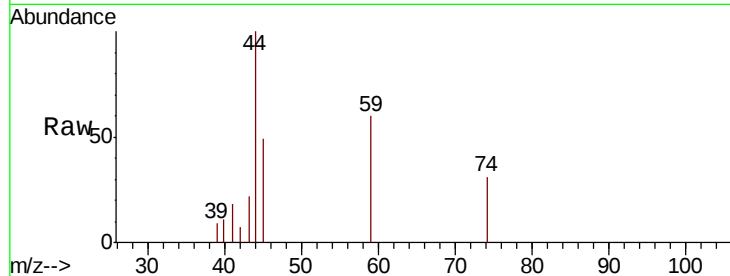




#8
Diethyl Ether
Concen: 1.933 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

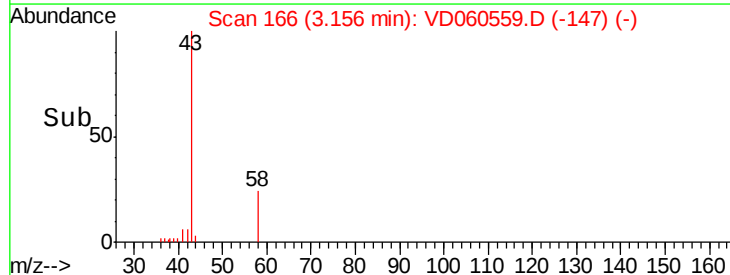
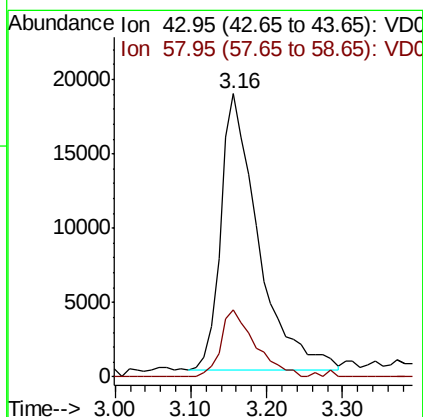
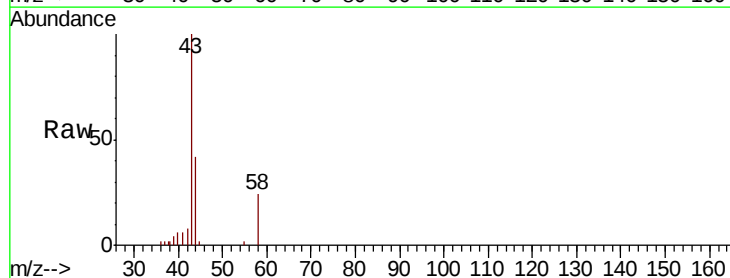
Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-B

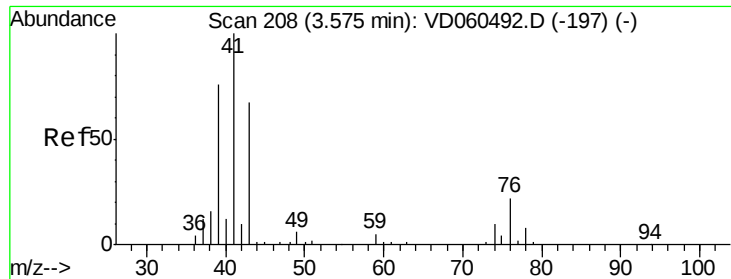
Tgt Ion: 74 Resp: 4850
Ion Ratio Lower Upper
74 100
45 158.7 86.0 258.0



#16
Acetone
Concen: 36.449 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.02 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Tgt Ion: 43 Resp: 63543
Ion Ratio Lower Upper
43 100
58 23.8 17.3 25.9

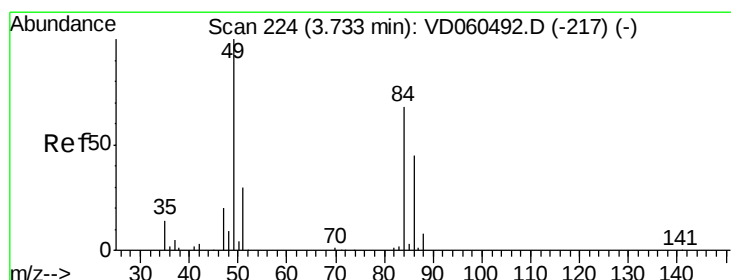
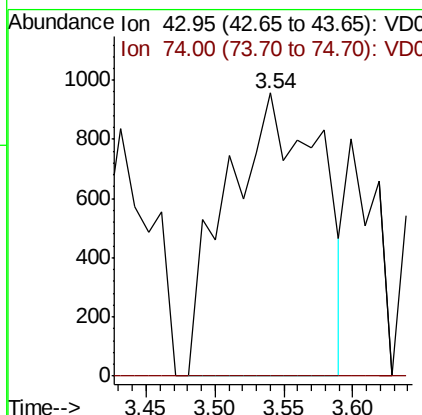
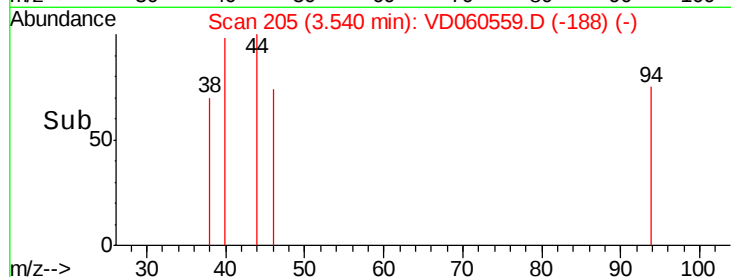
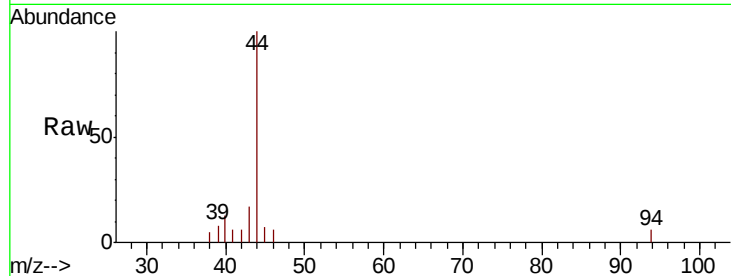




#18
Methyl Acetate
Concen: 1.088 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.04 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

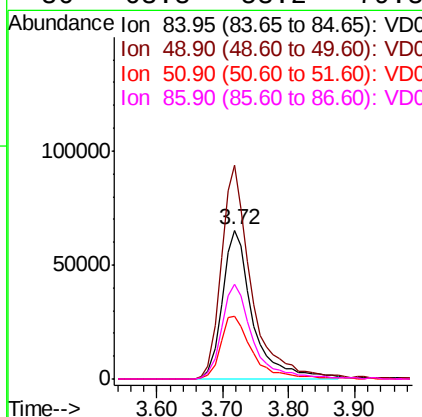
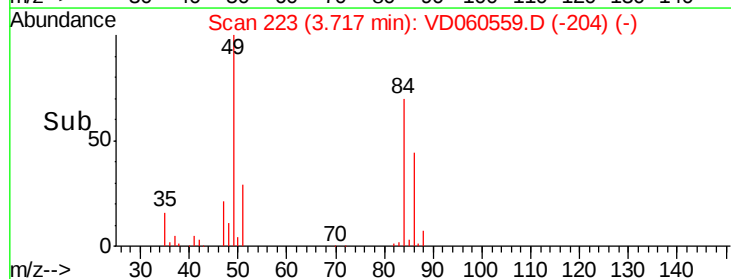
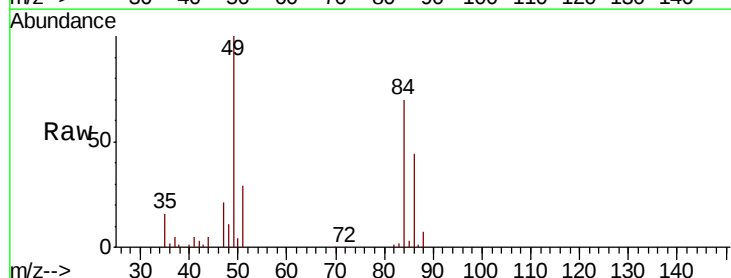
Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-B

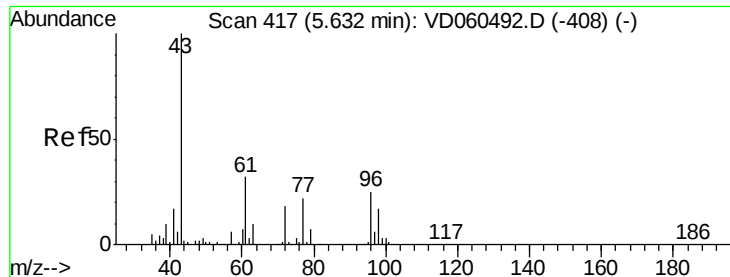
Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 9.340 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Tgt Ion: 84 Resp: 207726
Ion Ratio Lower Upper
84 100
49 143.7 117.2 175.8
51 41.9 35.3 52.9
86 63.8 53.2 79.8





#25

2-Butanone

Concen: 1.168 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

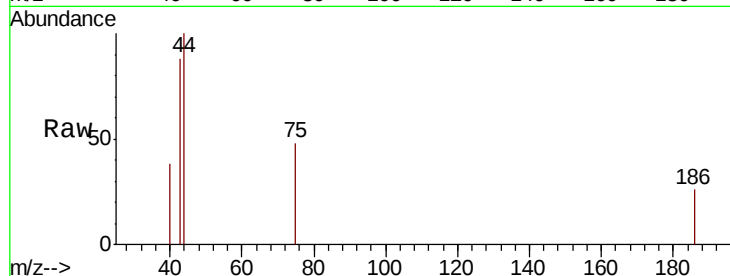
SU-04-121218-B

Tgt Ion: 43 Resp: 4005

Ion Ratio Lower Upper

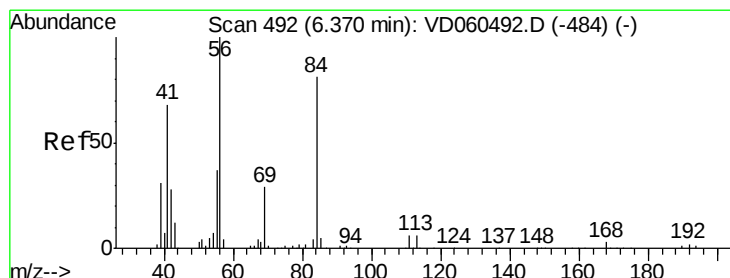
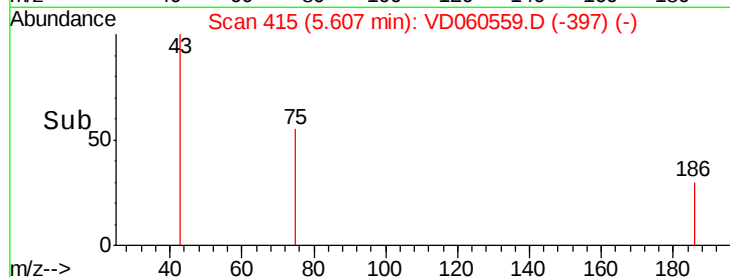
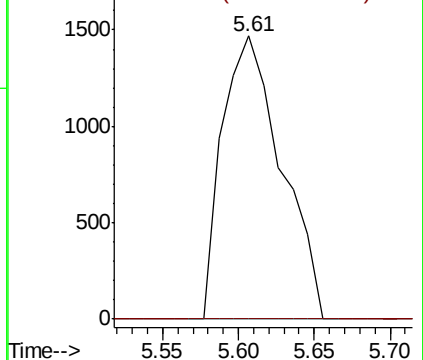
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.39 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

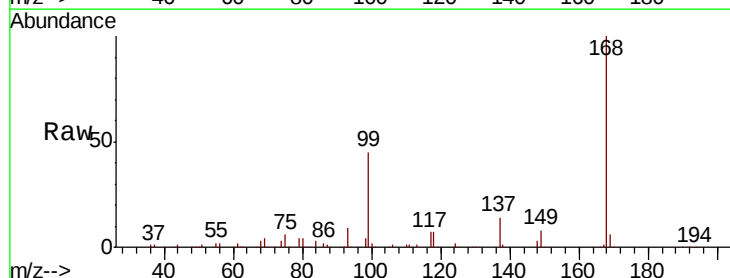
Tgt Ion: 56 Resp: 29355

Ion Ratio Lower Upper

56 100

69 217.6 22.8 34.2#

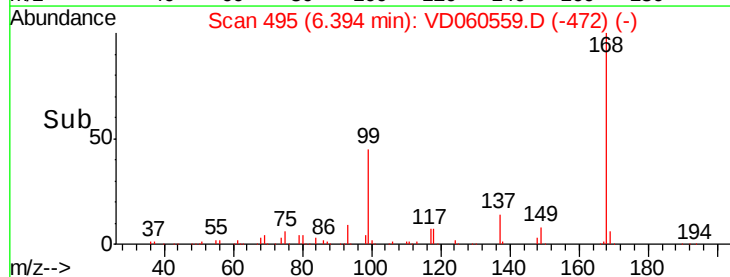
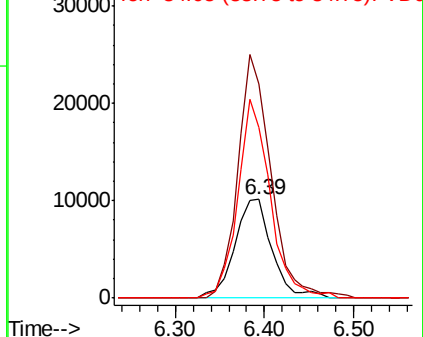
84 173.4 65.1 97.7#

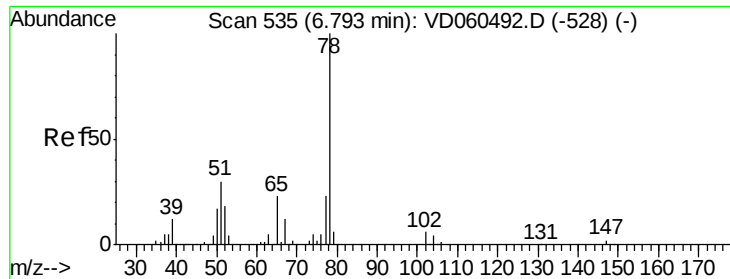


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

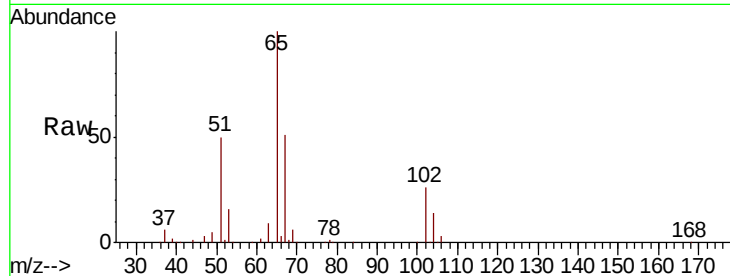
SU-04-121218-B

Tgt Ion: 65 Resp: 430608

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

150000

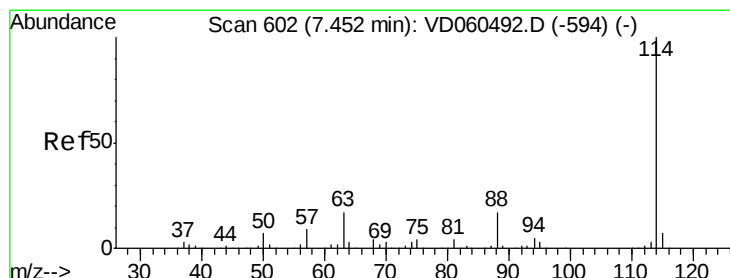
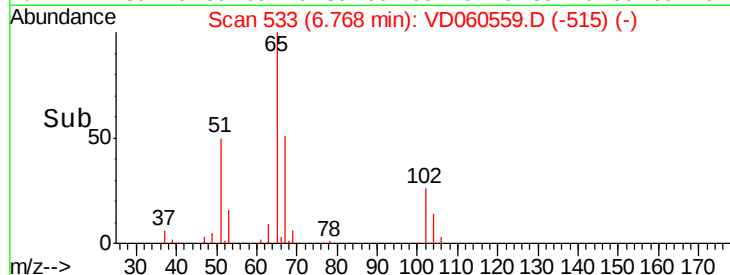
100000

50000

0

Time-->

6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

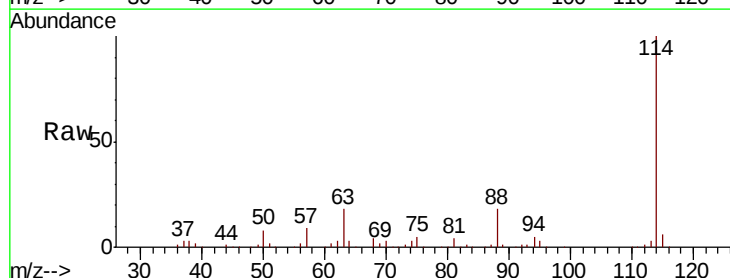
Tgt Ion: 114 Resp: 2149053

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

88 17.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.43

1000000

800000

600000

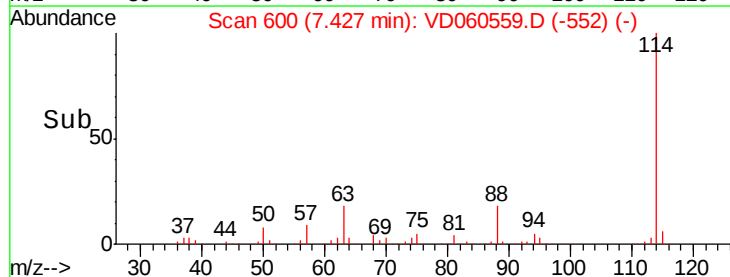
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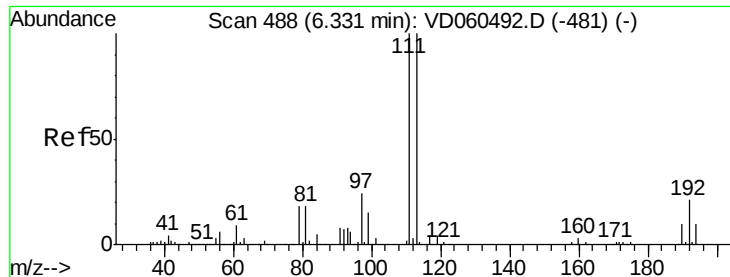
200000

0

Time-->

7.20 7.40 7.60

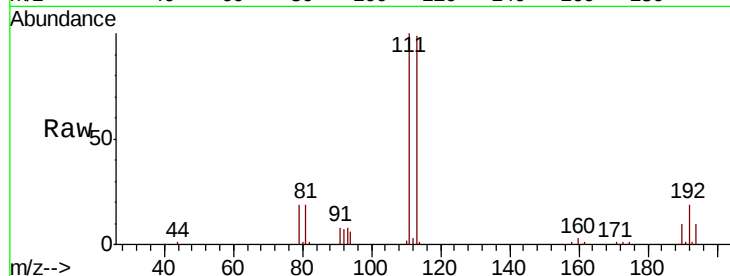




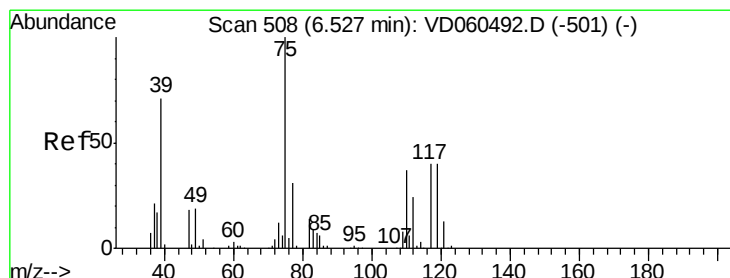
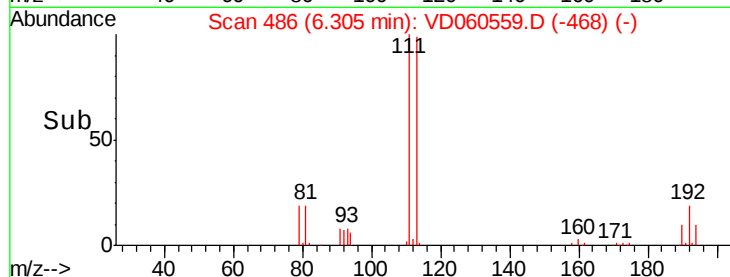
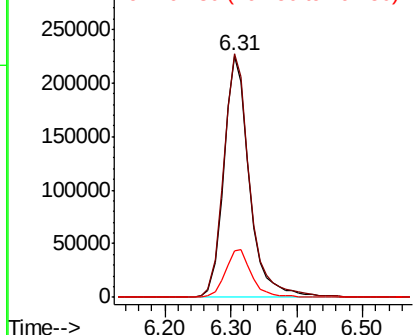
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060559.D
 Acq: 13 Dec 2018 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-B

Tgt Ion:113 Resp: 609684
 Ion Ratio Lower Upper
 113 100
 111 100.9 80.2 120.4
 192 19.4 16.6 24.8

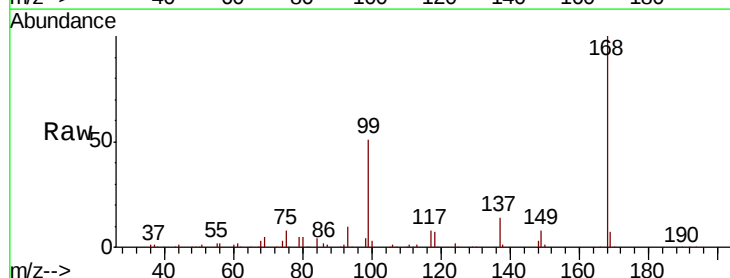


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

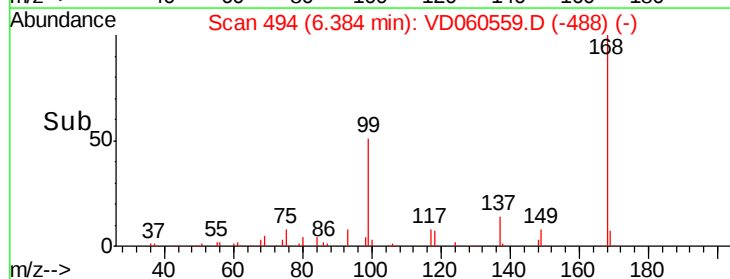
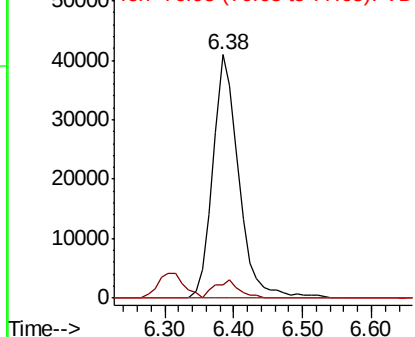


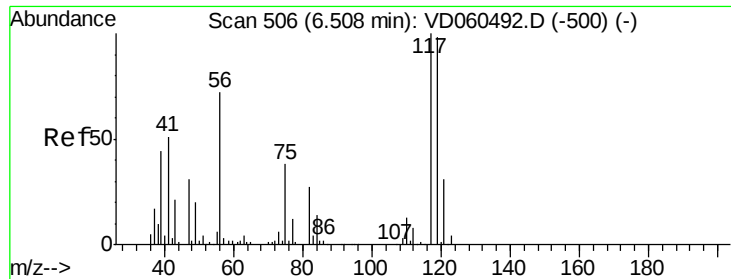
#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060559.D
 Acq: 13 Dec 2018 14:21

Tgt Ion: 75 Resp: 107014
 Ion Ratio Lower Upper
 75 100
 110 5.7 18.3 54.8#
 77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

SU-04-121218-B

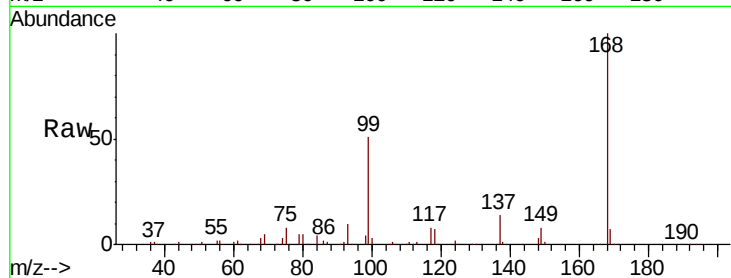
Tgt Ion:117 Resp: 114725

Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

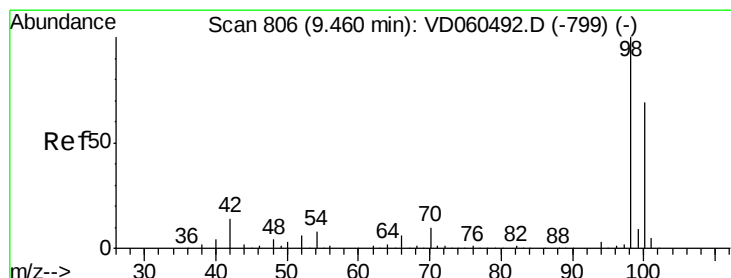
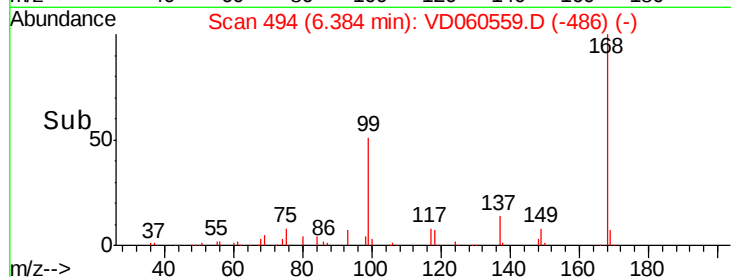
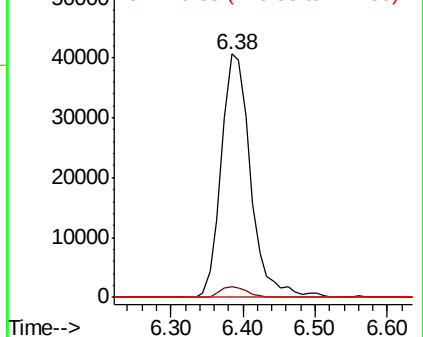
121 0.0 24.4 36.6#



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: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060559.D

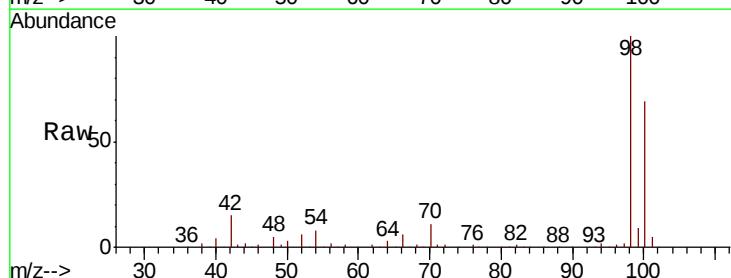
Acq: 13 Dec 2018 14:21

Tgt Ion: 98 Resp: 1547870

Ion Ratio Lower Upper

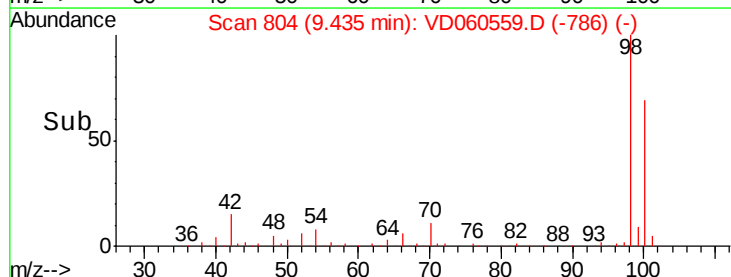
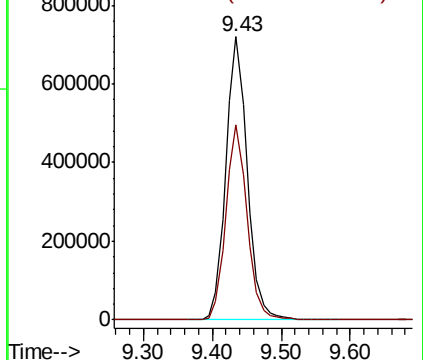
98 100

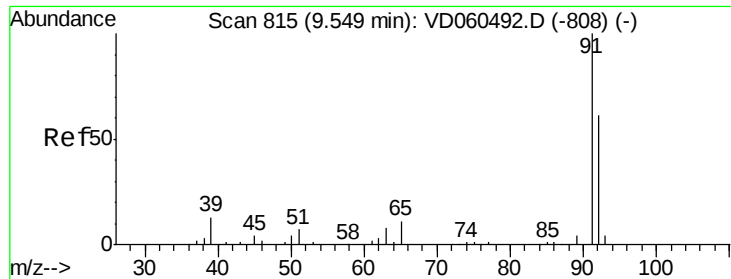
100 68.8 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.253 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

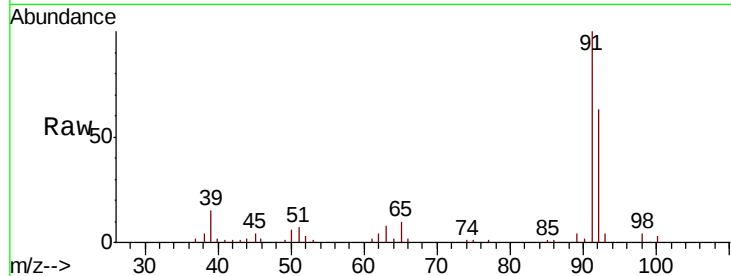
SU-04-121218-B

Tgt Ion: 92 Resp: 109151

Ion Ratio Lower Upper

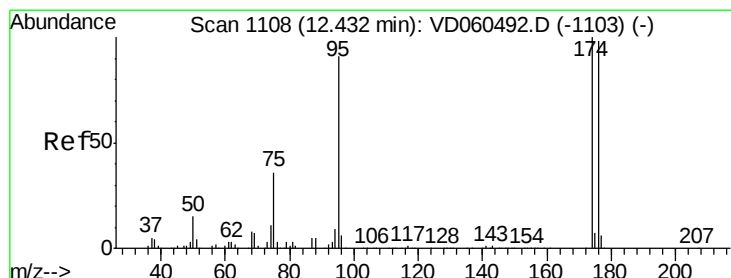
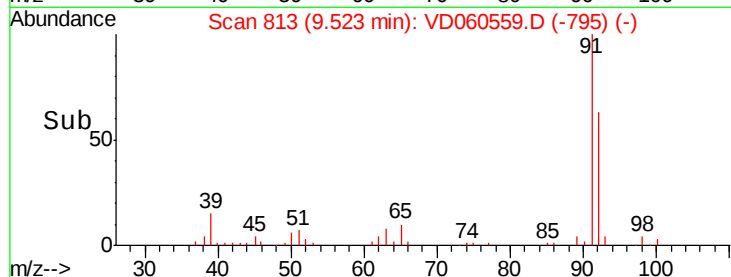
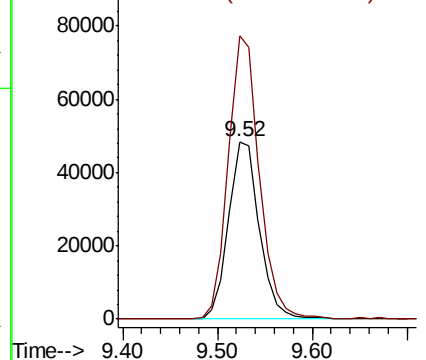
92 100

91 159.6 131.7 197.5



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: VD060559.D

Acq: 13 Dec 2018 14:21

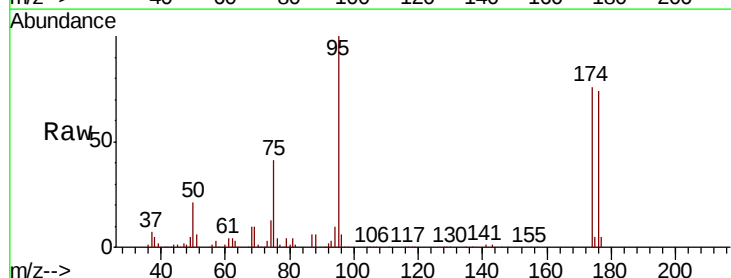
Tgt Ion: 95 Resp: 541167

Ion Ratio Lower Upper

95 100

174 76.3 0.0 219.4

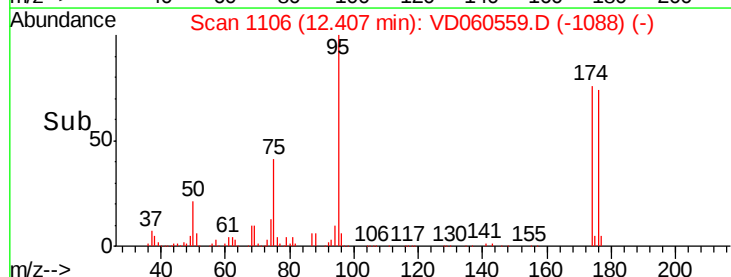
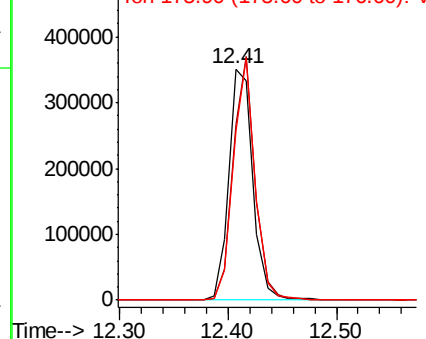
176 73.5 0.0 214.6

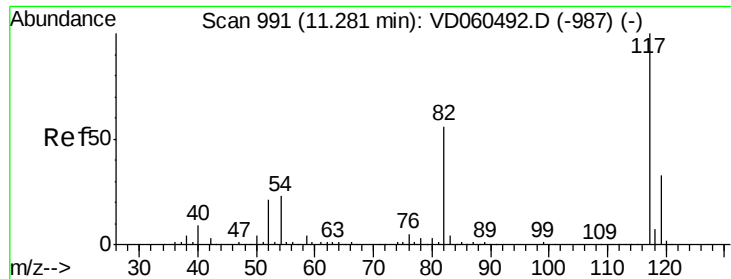


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

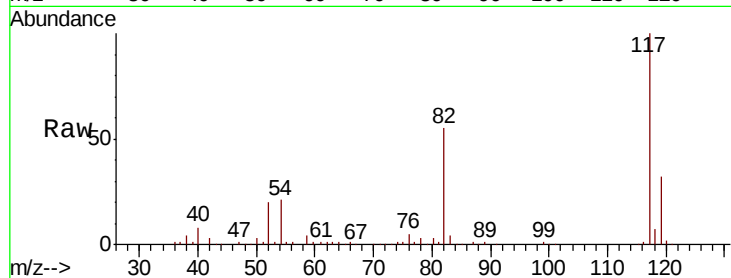




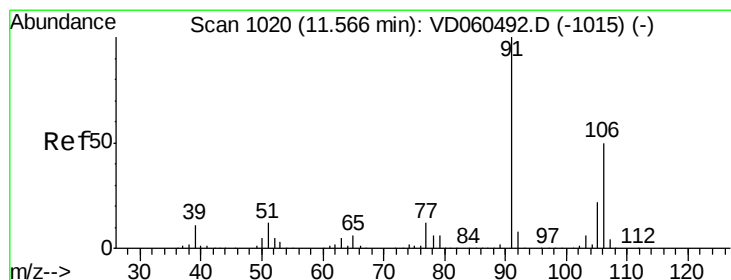
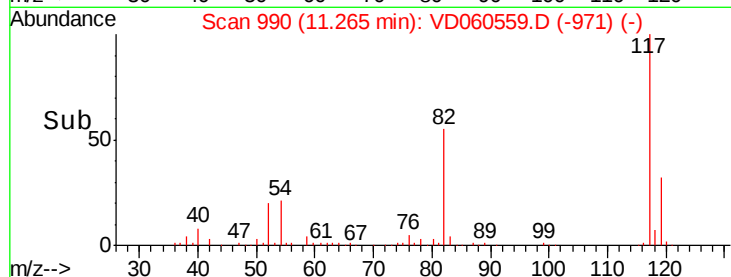
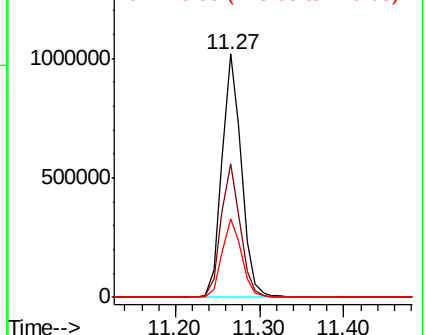
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-B

Tgt Ion:117 Resp: 1636136
Ion Ratio Lower Upper
117 100
82 54.9 45.2 67.8
119 32.3 26.1 39.1

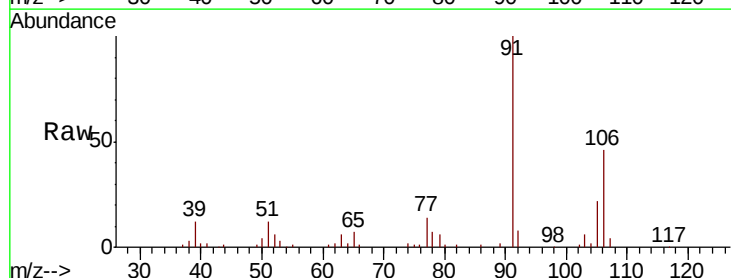


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

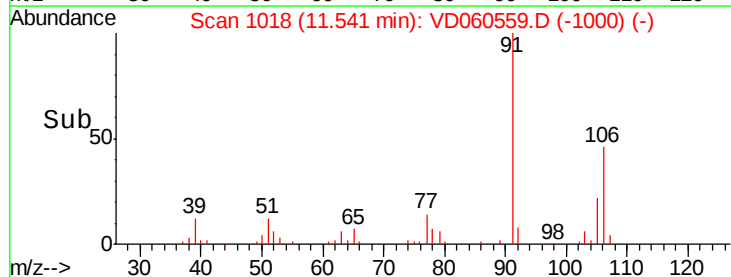
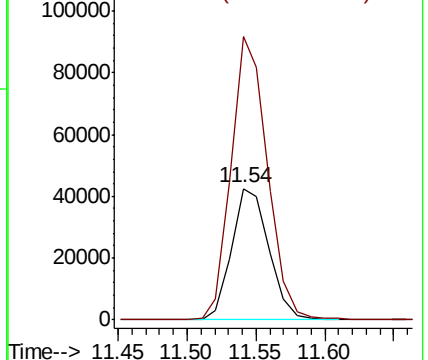


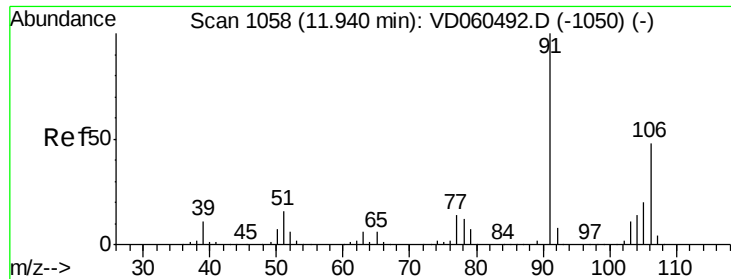
#68
m/p-Xylenes
Concen: 3.655 ug/l
RT: 11.54 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Tgt Ion:106 Resp: 79842
Ion Ratio Lower Upper
106 100
91 216.0 160.5 240.7



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

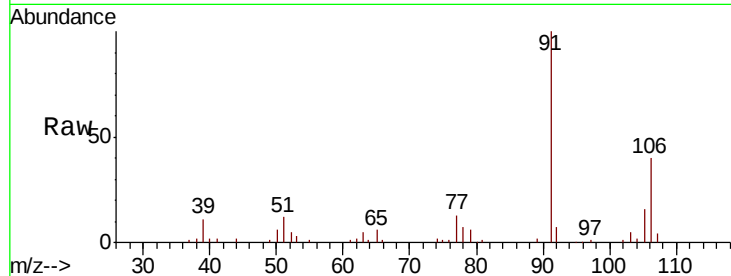




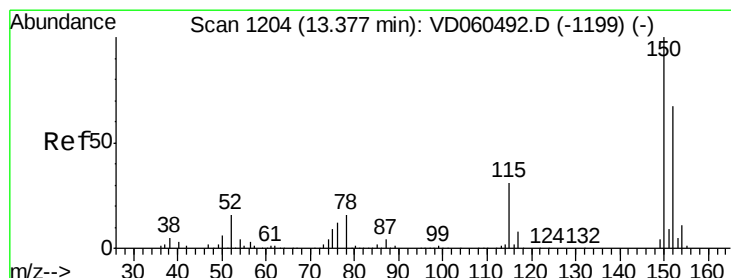
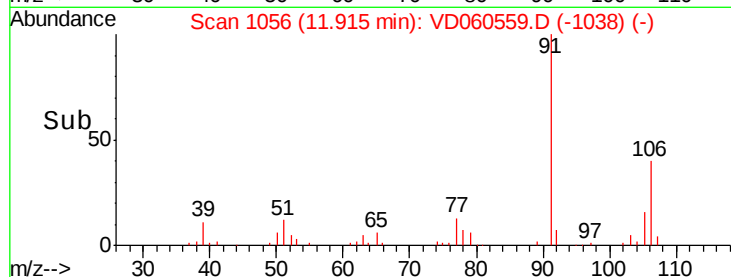
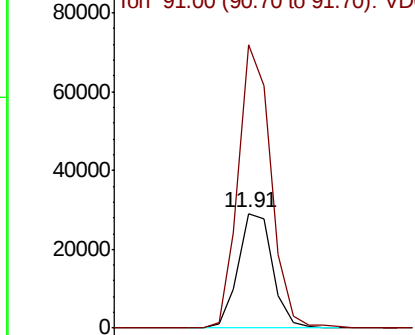
#69
o-Xylene
Concen: 2.211 ug/l
RT: 11.91 min Scan# 1056
Delta R.T. -0.03 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-B

Tgt Ion:106 Resp: 46018
Ion Ratio Lower Upper
106 100
91 247.4 103.4 310.1

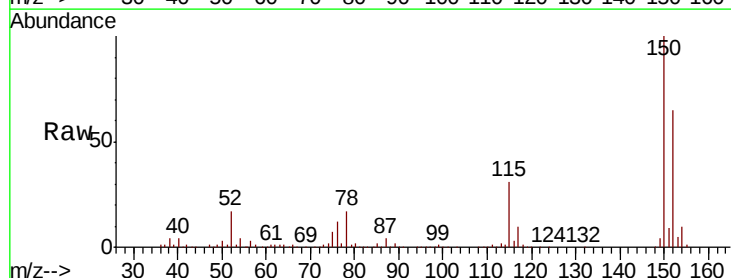


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

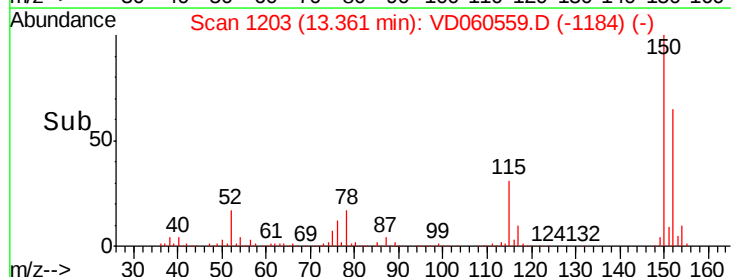
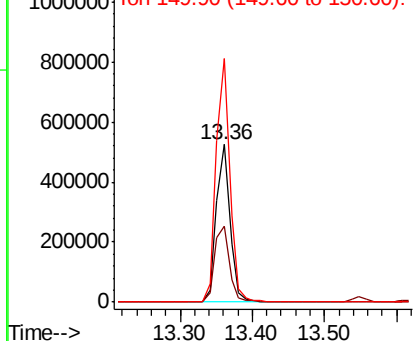


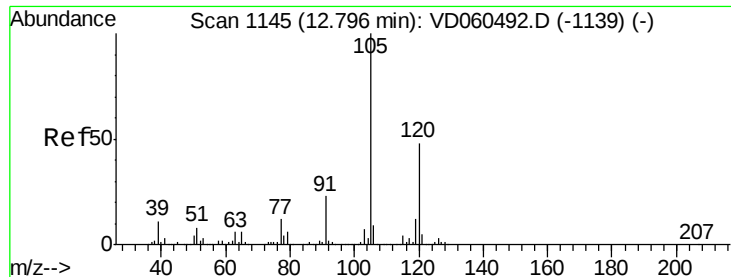
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060559.D
Acq: 13 Dec 2018 14:21

Tgt Ion:152 Resp: 682275
Ion Ratio Lower Upper
152 100
115 48.1 24.6 74.0
150 154.5 0.0 309.0



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





#80

1,3,5-Trimethylbenzene

Concen: 1.980 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

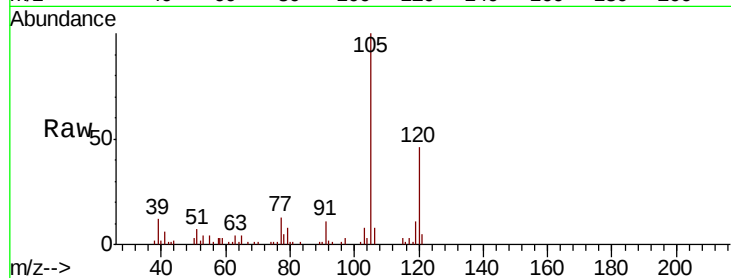
SU-04-121218-B

Tgt Ion:105 Resp: 73045

Ion Ratio Lower Upper

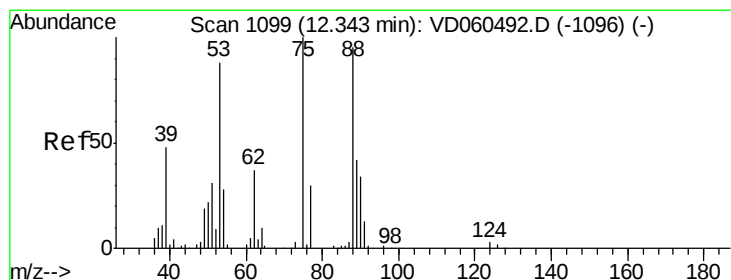
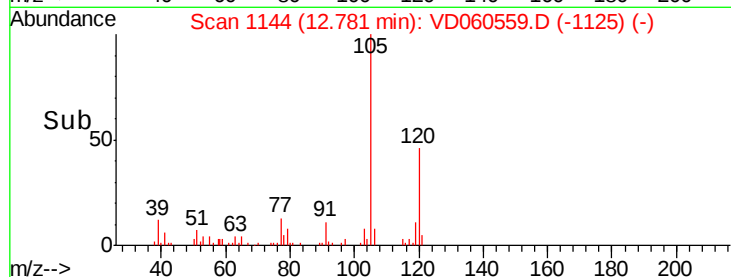
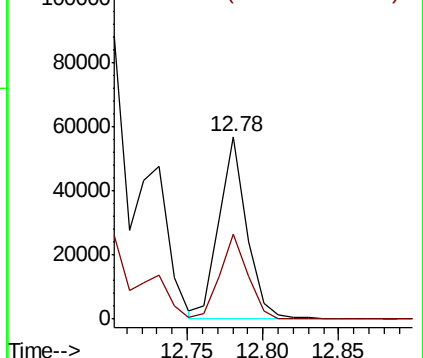
105 100

120 46.4 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 102.273 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060559.D

Acq: 13 Dec 2018 14:21

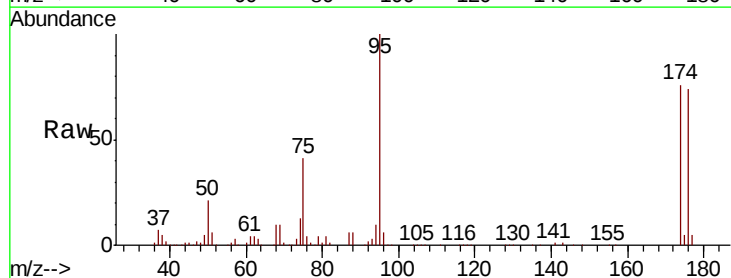
Tgt Ion: 75 Resp: 220511

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

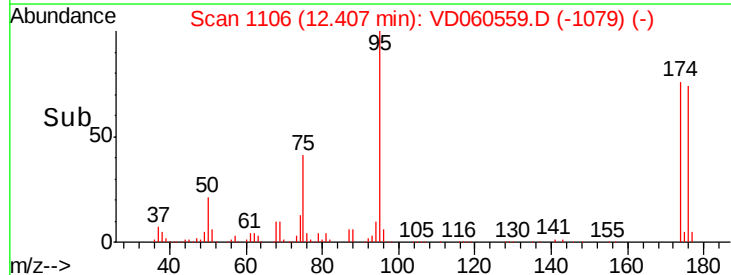
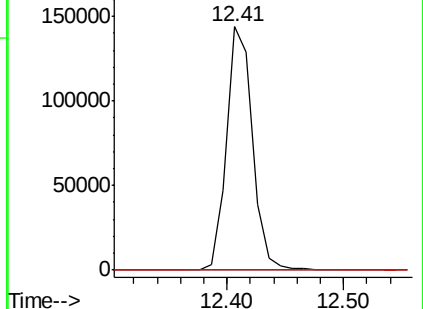
89 0.0 33.6 50.4#

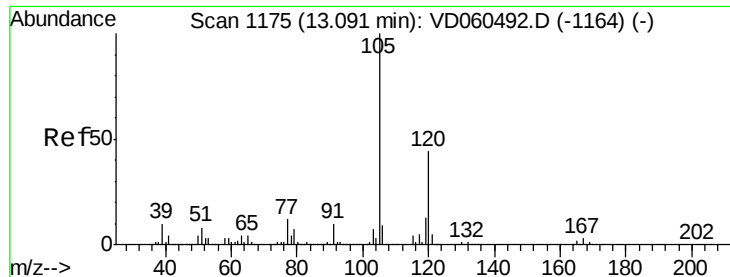


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

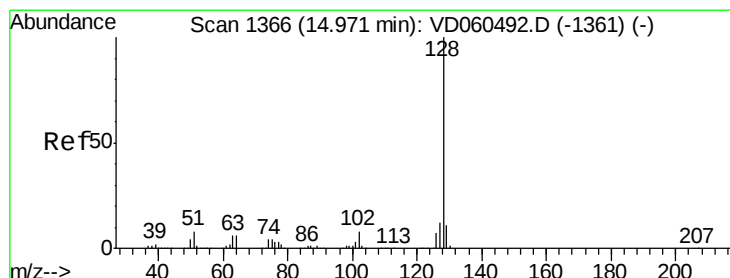
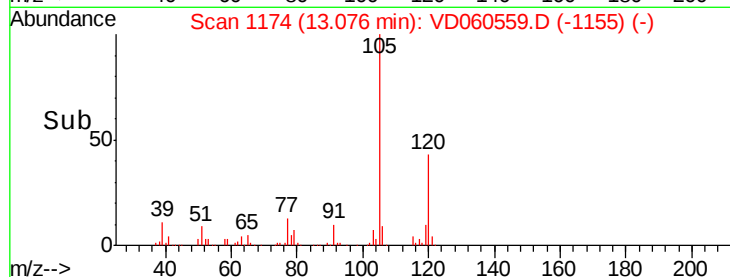
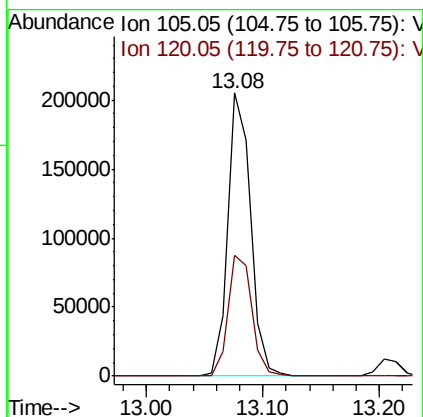
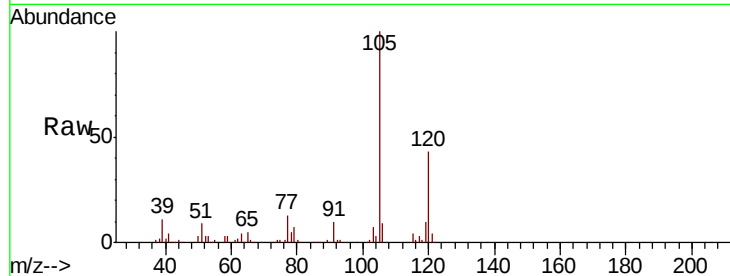




#84
 1,2,4-Trimethylbenzene
 Concen: 7.277 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060559.D
 Acq: 13 Dec 2018 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-B

Tgt Ion:105 Resp: 277960
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.3 66.8



#95
 Naphthalene
 Concen: 3.335 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VD060559.D
 Acq: 13 Dec 2018 14:21

Tgt Ion:128 Resp: 58242
 Ion Ratio Lower Upper
 128 100
 127 12.7 9.8 14.8
 129 10.9 8.6 13.0

