

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060171.D
 Acq On : 10 Oct 2018 13:14
 Operator : VA/AP
 Sample : J5331-02
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NM-STONE-DRUM-3

Quant Time: Oct 11 01:10:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1426363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2000491	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1466924	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	693438	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	620370	57.38	ug/l	0.01
Spiked Amount			Recovery	=	114.76%	
35) Dibromofluoromethane	6.30	113	812408	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
50) Toluene-d8	9.45	98	1941950	44.83	ug/l	0.01
Spiked Amount			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	12.42	95	668512	41.22	ug/l	0.00
Spiked Amount			Recovery	=	82.44%	

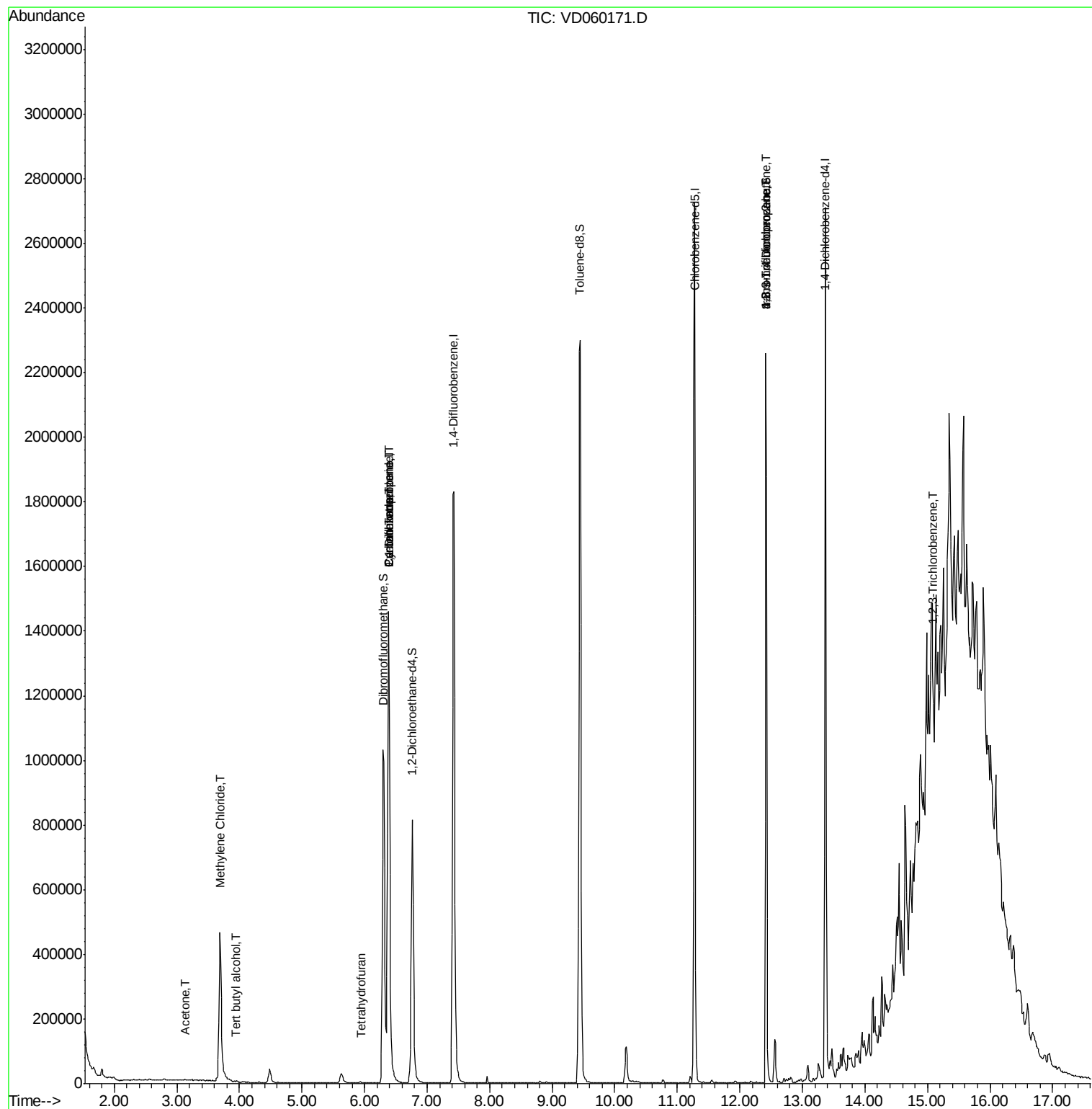
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.94	59	3626	4.676	ug/l #	74
16) Acetone	3.13	43	9231	4.705	ug/l #	77
20) Methylene Chloride	3.69	84	281862	15.265	ug/l	97
29) Tetrahydrofuran	5.93	42	3219	1.131	ug/l #	52
31) Cyclohexane	6.37	56	25433	1.086	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	96502	5.048	ug/l #	46
38) Carbon Tetrachloride	6.38	117	110363	6.361	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	216509	21.680	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	270908	96.545	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.09	180	17369	1.208	ug/l #	12

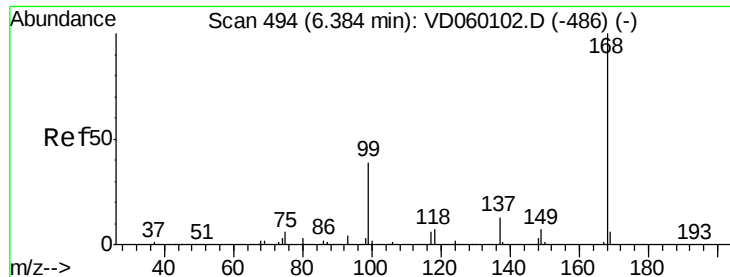
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101018\
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Quant Time: Oct 11 01:10:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

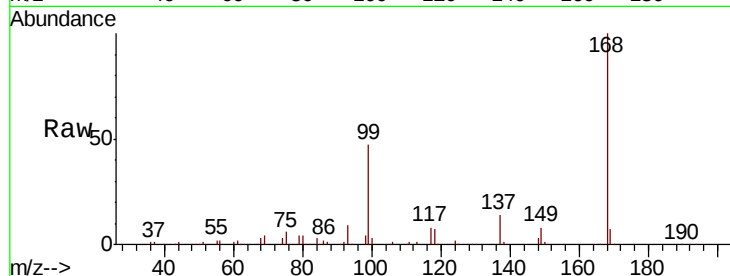
NM-STONE-DRUM-3

Tot Ion:168 Resp: 1426363

Ion Ratio Lower Upper

168 100

99 46.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

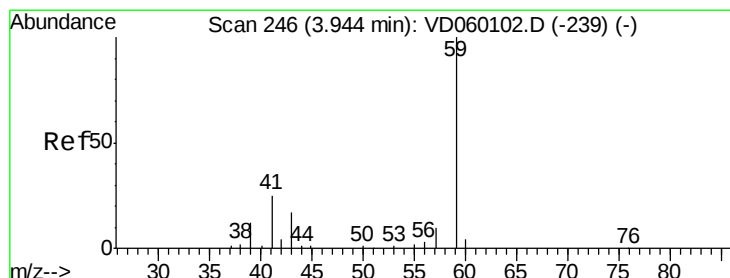
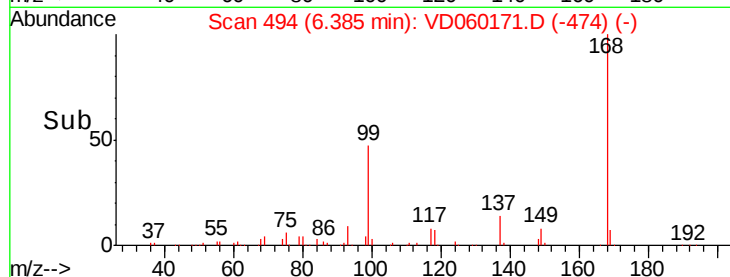
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 3.94 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD060171.D

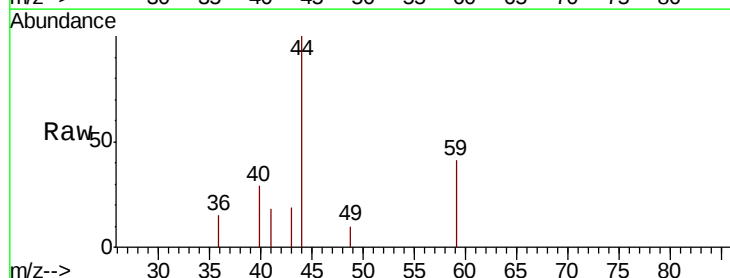
Acq: 10 Oct 2018 13:14

Tgt Ion: 59 Resp: 3626

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

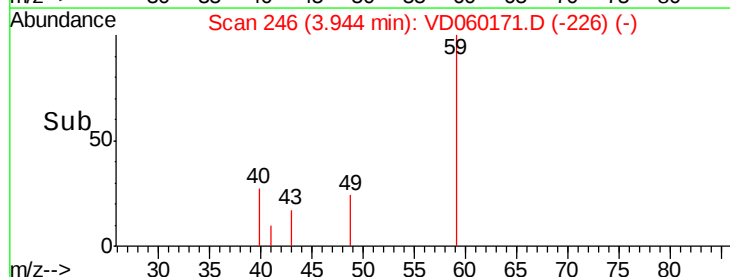
1500

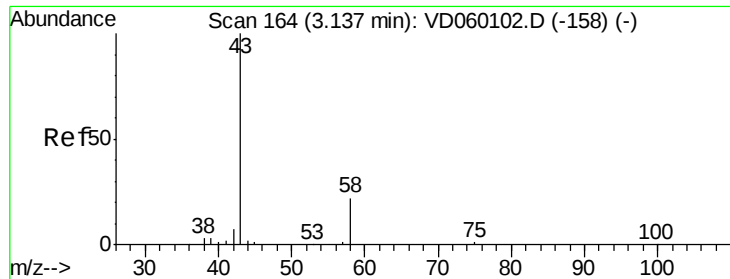
1000

500

0

Time--> 3.85 3.90 3.95 4.00





#16

Acetone

Concen: 4.705 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

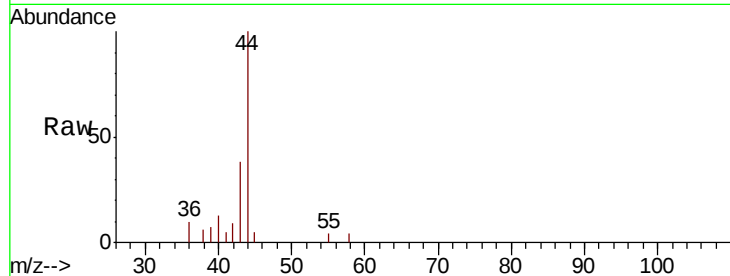
NM-STONE-DRUM-3

Tot Ion: 43 Resp: 9231

Ion Ratio Lower Upper

43 100

58 11.0 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.13

3000

2500

2000

1500

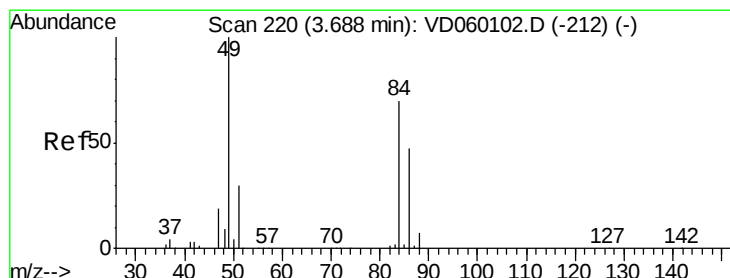
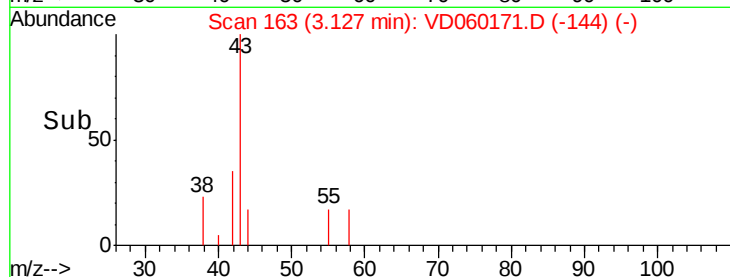
1000

500

0

Time-->

3.05 3.10 3.15 3.20 3.25



#20

Methylene Chloride

Concen: 15.265 ug/l

RT: 3.69 min Scan# 220

Delta R.T. 0.00 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Tgt Ion: 84 Resp: 281862

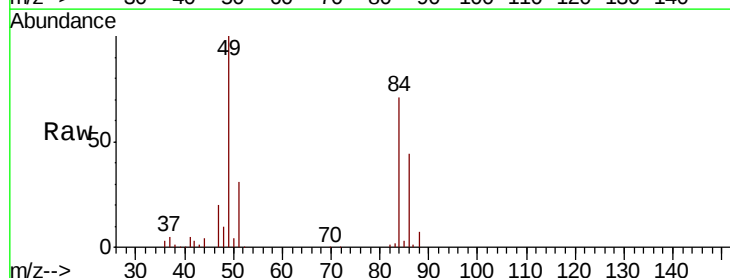
Ion Ratio Lower Upper

84 100

49 141.1 114.6 172.0

51 43.9 33.8 50.8

86 62.5 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

200000

150000

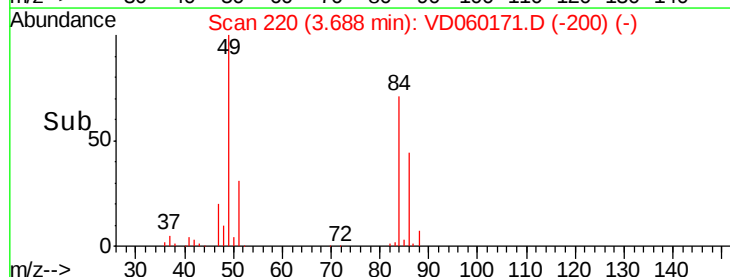
100000

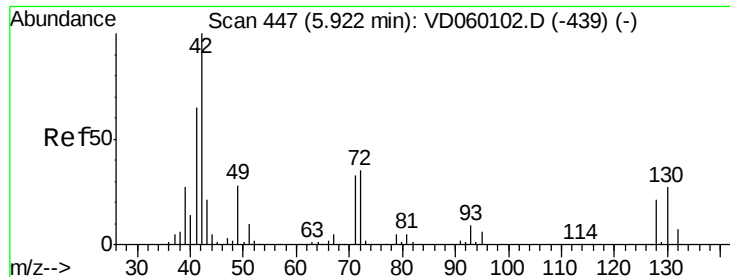
50000

0

Time-->

3.60 3.70 3.80 3.90

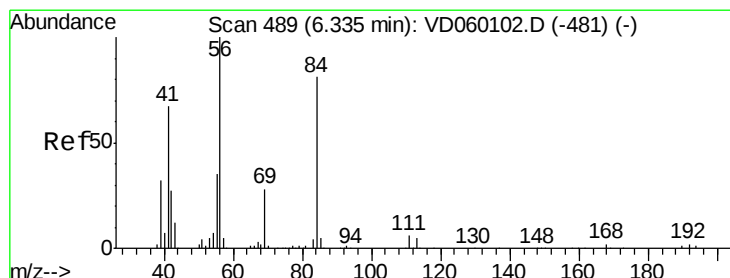
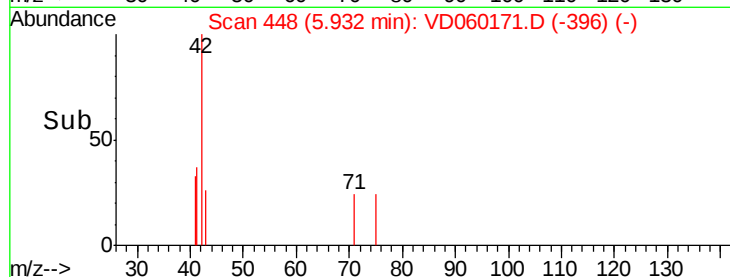
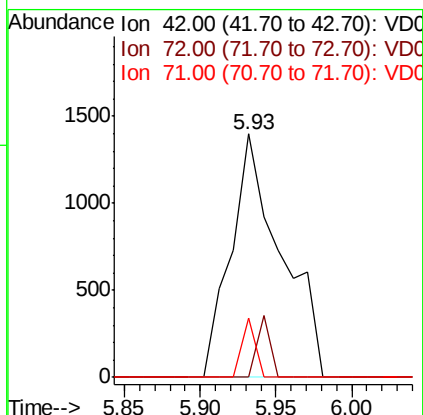
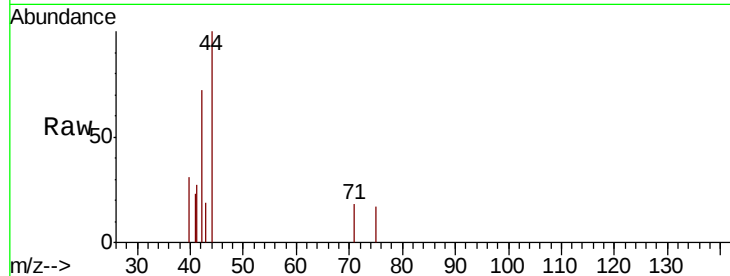




#29
Tetrahydrofuran
Concen: 1.131 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

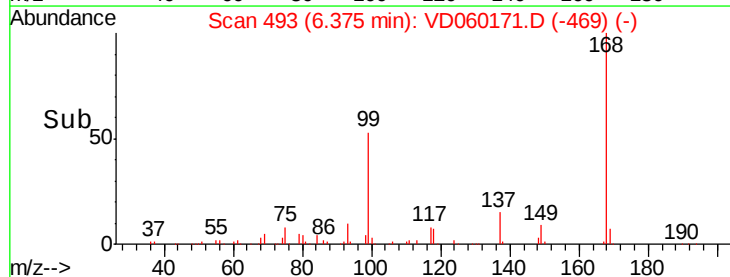
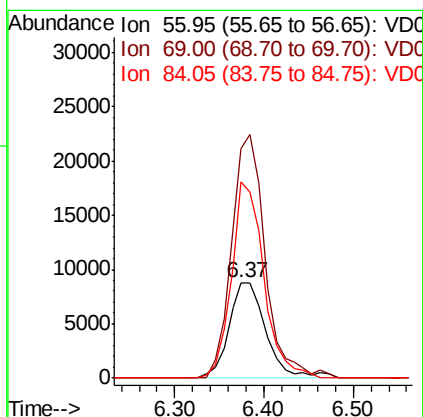
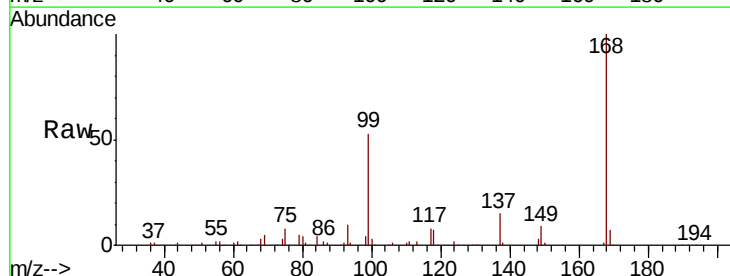
Instrument :
MSVOA_D
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NM-STONE-DRUM-3

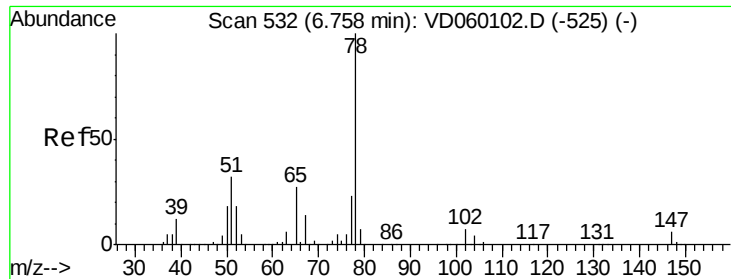
Tot Ion: 42 Resp: 3219
Ion Ratio Lower Upper
42 100
72 6.6 26.9 40.3#
71 6.2 26.7 40.1#



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

Tgt Ion: 56 Resp: 25433
Ion Ratio Lower Upper
56 100
69 240.2 22.8 34.2#
84 205.9 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

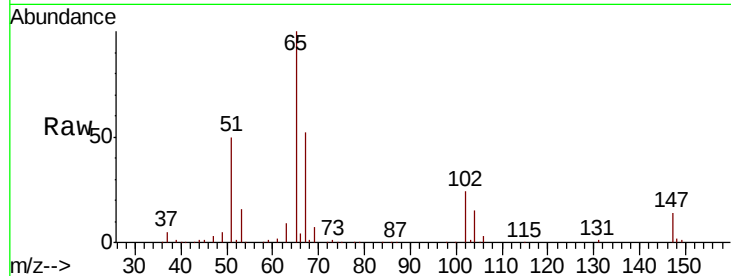
NM-STONE-DRUM-3

Tot Ion: 65 Resp: 620370

Ion Ratio Lower Upper

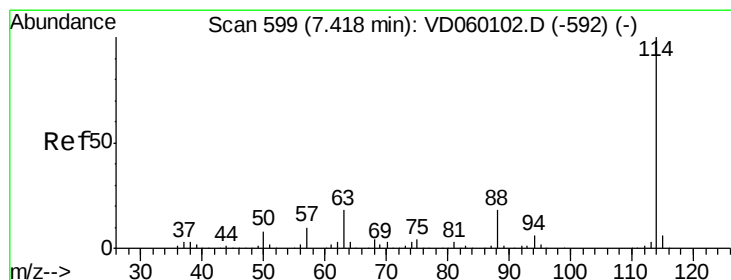
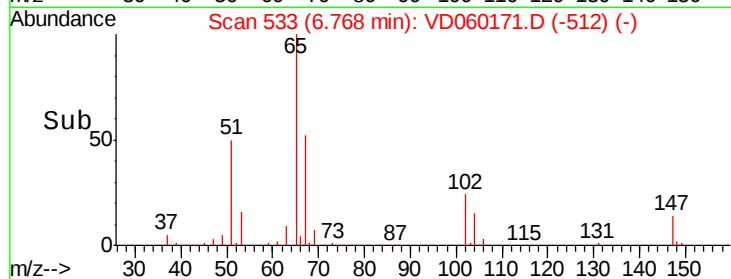
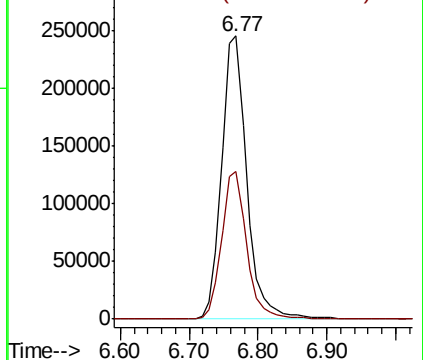
65 100

67 52.3 0.0 106.2



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

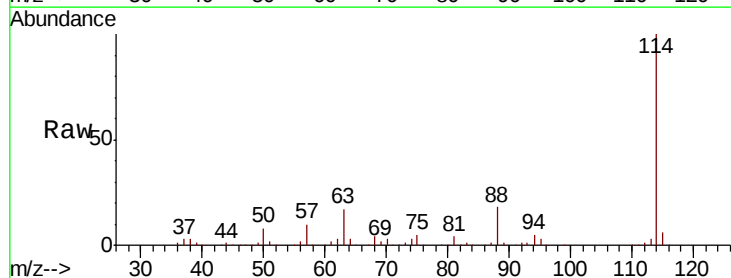
Tgt Ion: 114 Resp: 2000491

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.0

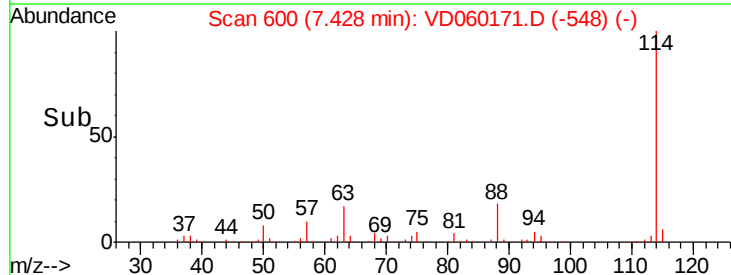
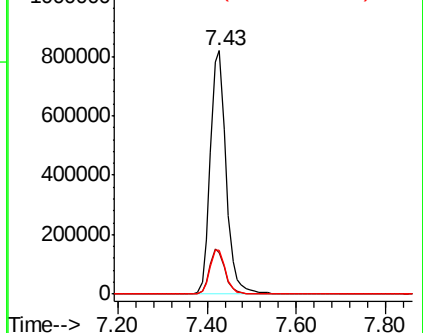
88 17.8 0.0 36.2

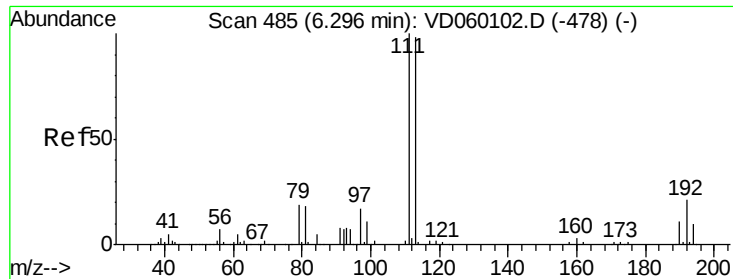


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

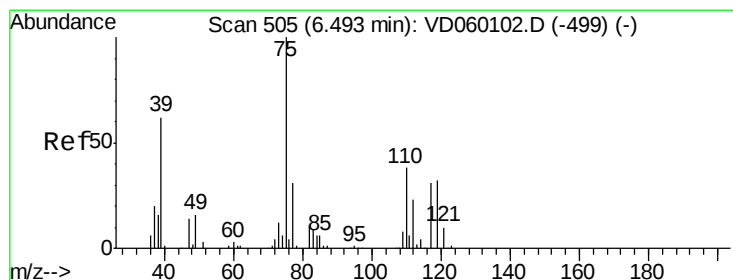
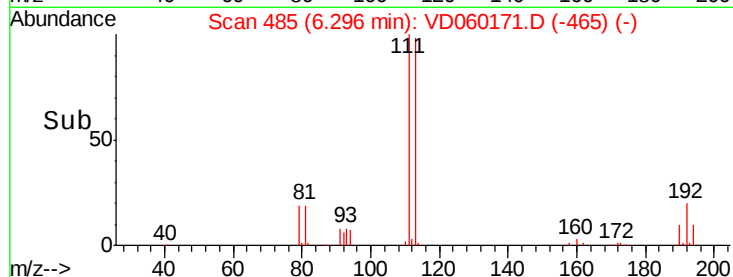
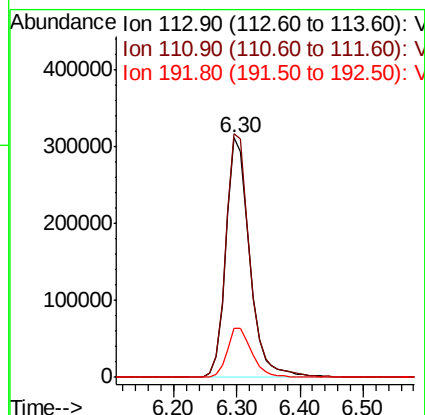
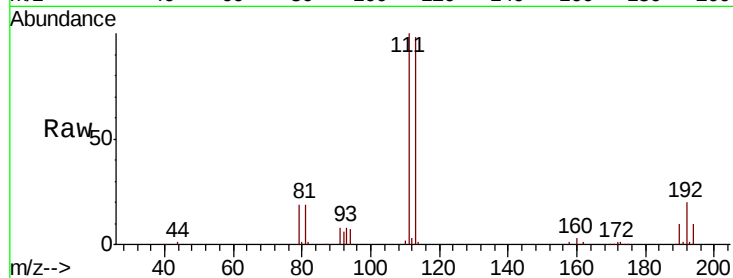




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060171.D
 Acq: 10 Oct 2018 13:14

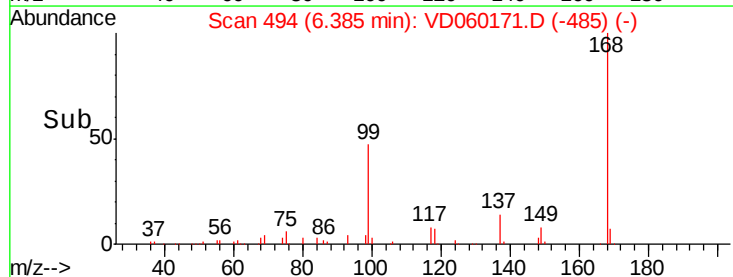
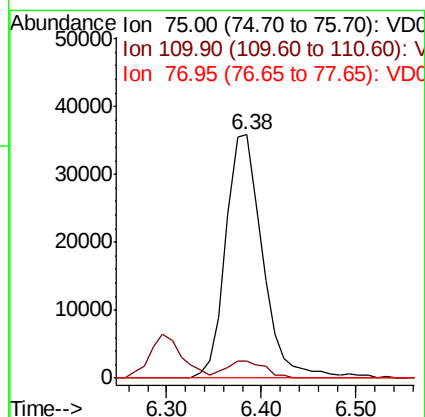
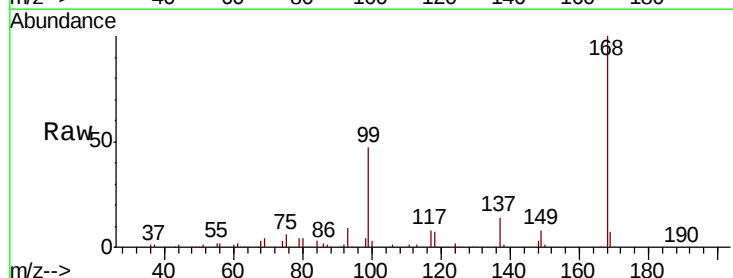
Instrument :
 MSVOA_D
 ClientSampleId :
 NM-STONE-DRUM-3

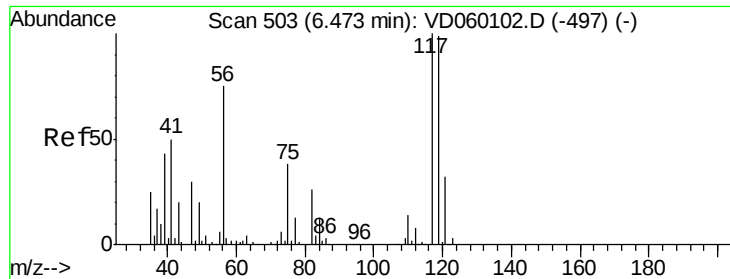
Tot Ion:113 Resp: 812408
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.5 122.3
 192 20.7 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060171.D
 Acq: 10 Oct 2018 13:14

Tgt Ion: 75 Resp: 96502
 Ion Ratio Lower Upper
 75 100
 110 7.2 19.0 57.0#
 77 0.0 24.9 37.3#

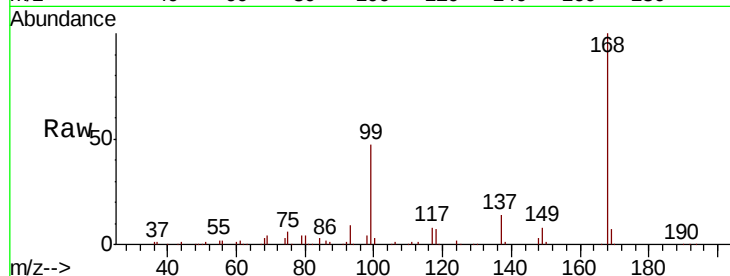




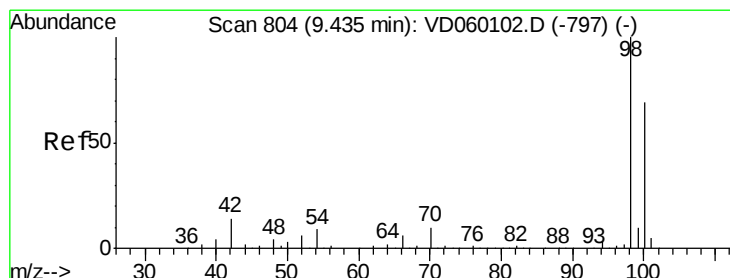
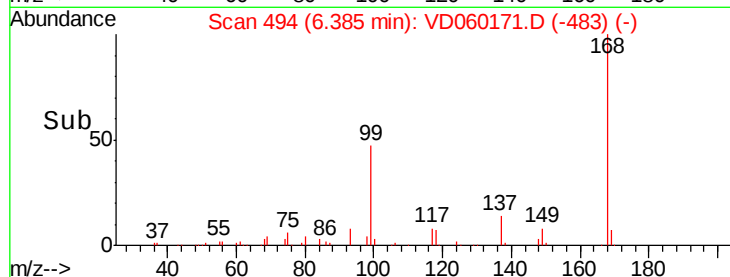
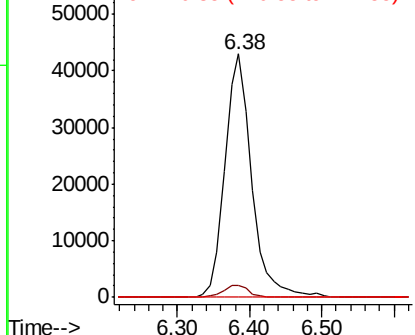
#38
Carbon Tetrachloride
Concen: 6.361 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.09 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
NM-STONE-DRUM-3

Tot Ion:117 Resp: 110363
Ion Ratio Lower Upper
117 100
119 4.7 77.8 116.6#
121 0.0 24.8 37.2#

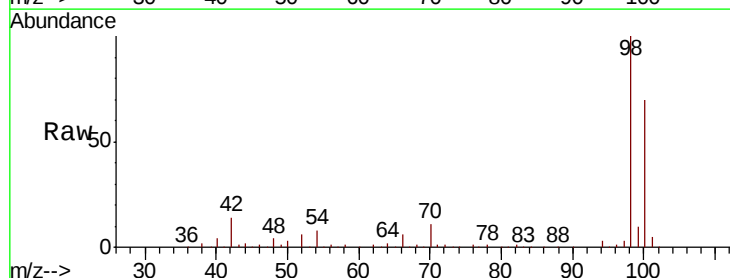


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

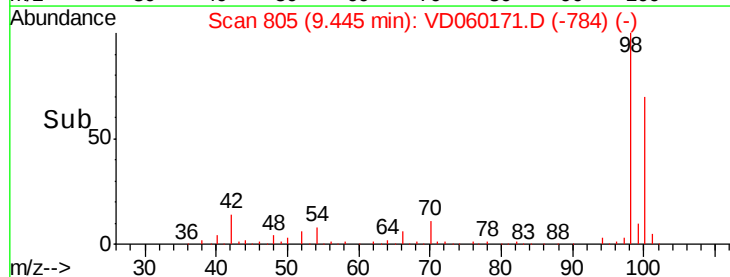
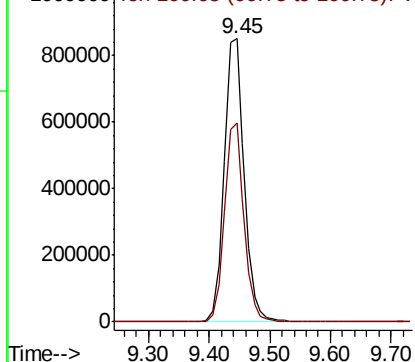


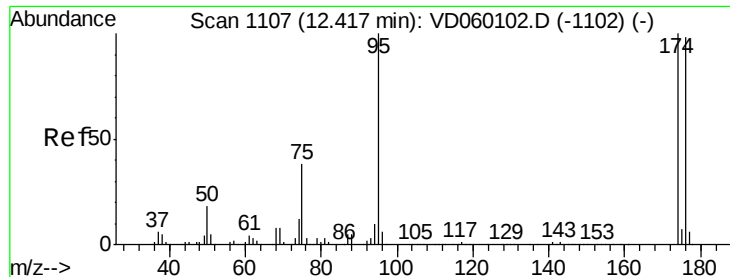
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

Tgt Ion: 98 Resp: 1941950
Ion Ratio Lower Upper
98 100
100 70.3 55.4 83.0



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

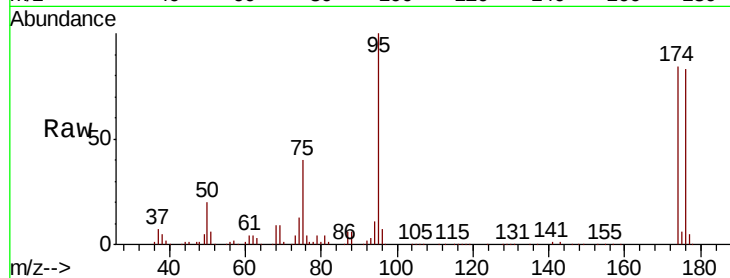




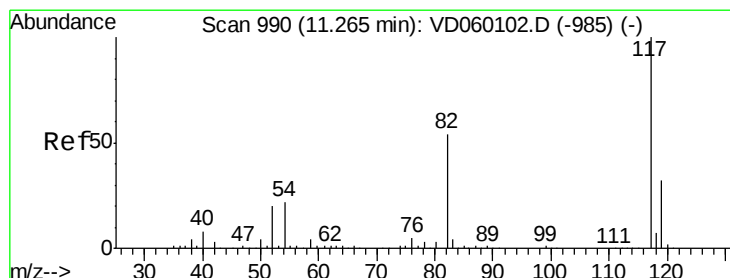
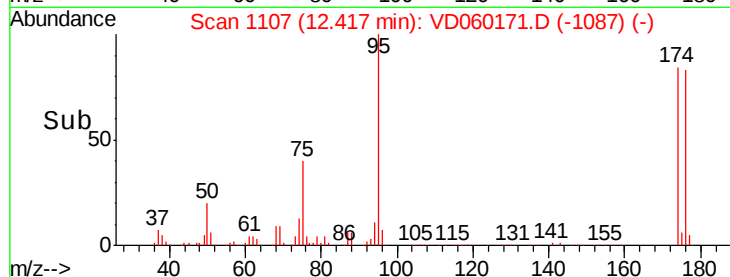
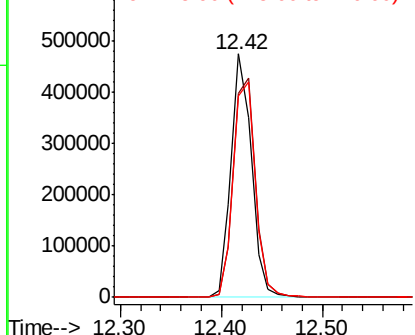
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
NM-STONE-DRUM-3

Tot Ion: 95 Resp: 668512
Ion Ratio Lower Upper
95 100
174 84.0 0.0 200.2
176 82.8 0.0 195.6

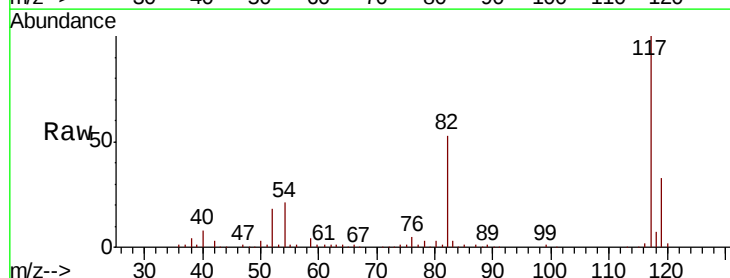


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

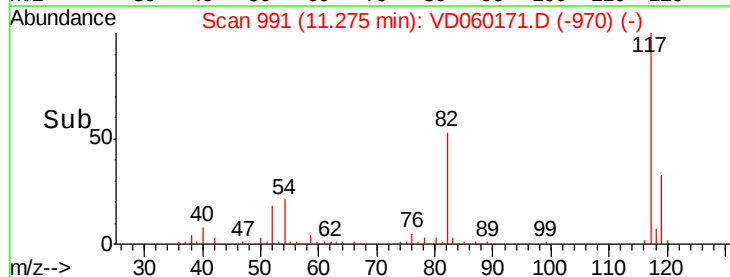
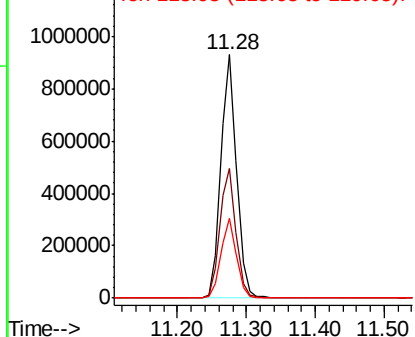


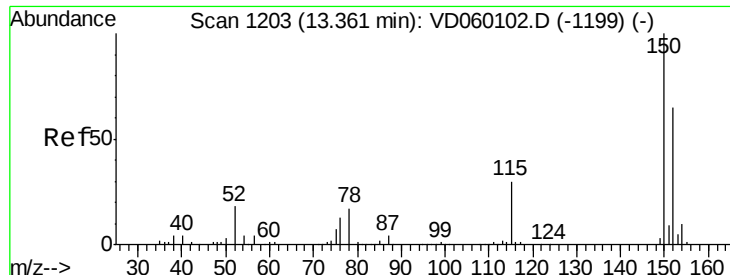
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060171.D
Acq: 10 Oct 2018 13:14

Tgt Ion: 117 Resp: 1466924
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 32.8 26.0 39.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

NM-STONE-DRUM-3

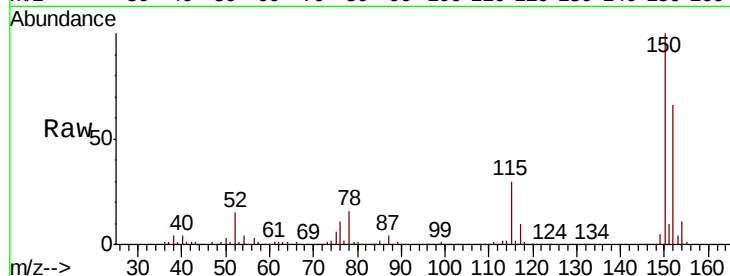
Tot Ion:152 Resp: 693438

Ion Ratio Lower Upper

152 100

115 45.1 27.1 81.2

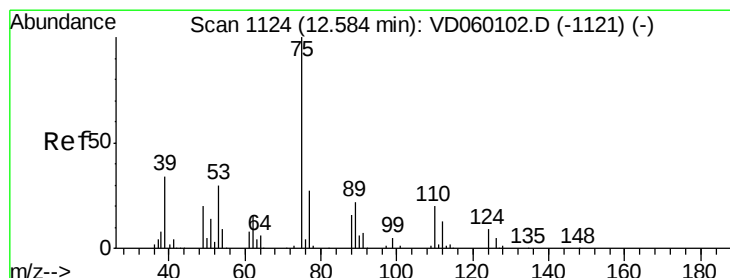
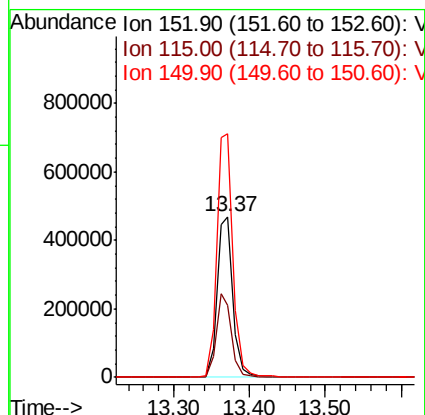
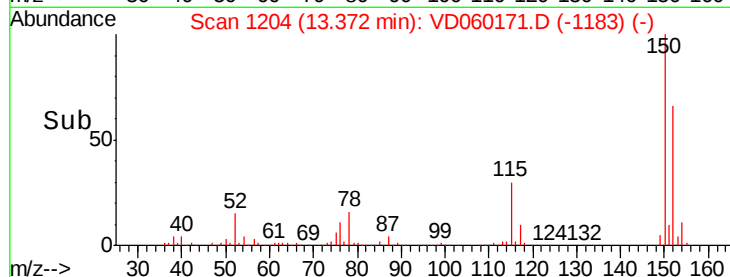
150 151.7 0.0 311.8



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



#76

1,2,3-Trichloropropane

Concen: 21.680 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060171.D

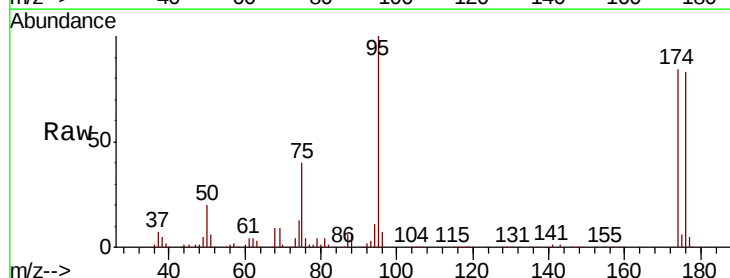
Acq: 10 Oct 2018 13:14

Tgt Ion: 75 Resp: 216509

Ion Ratio Lower Upper

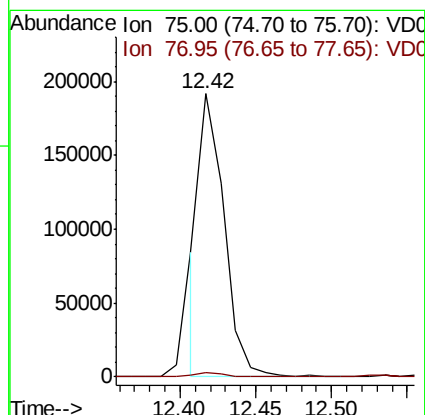
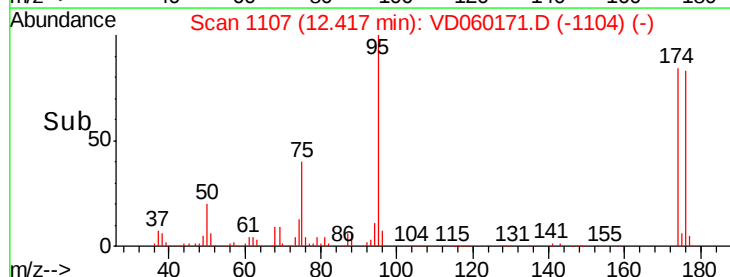
75 100

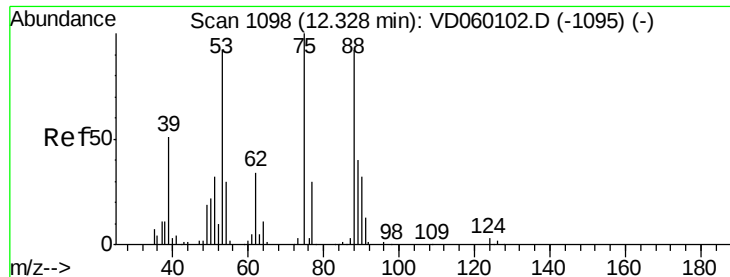
77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 96.545 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

NM-STONE-DRUM-3

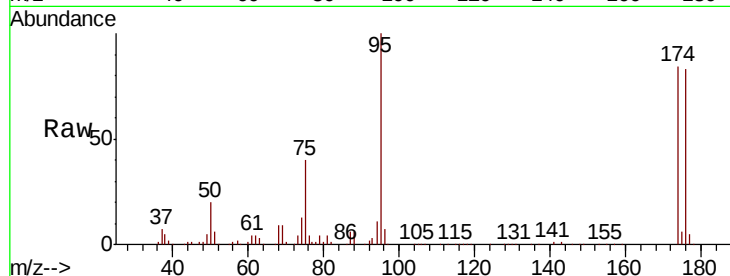
Tot Ion: 75 Resp: 270908

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

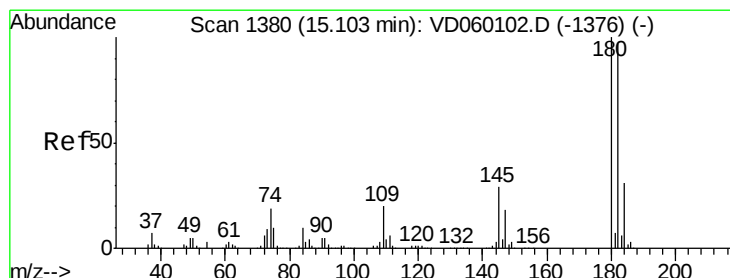
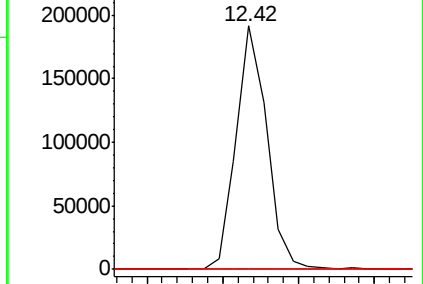
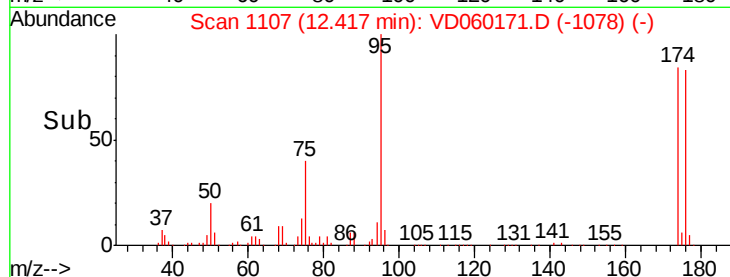
89 0.0 32.0 48.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.208 ug/l

RT: 15.09 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060171.D

Acq: 10 Oct 2018 13:14

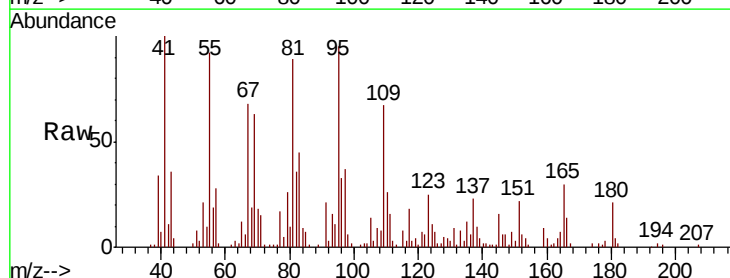
Tgt Ion:180 Resp: 17369

Ion Ratio Lower Upper

180 100

182 9.6 48.4 145.0#

145 73.7 14.5 43.6#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

