

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
 Data File : VD060416.D
 Acq On : 19 Nov 2018 15:02
 Operator : JC/SY
 Sample : J5989-01
 Misc : 5.37g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ES-RO-343

Quant Time: Nov 20 00:31:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1256332	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1625836	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	983632	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	259812	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	322251	35.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.64%	
35) Dibromofluoromethane	6.33	113	482582	39.81	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.62%	
50) Toluene-d8	9.45	98	1206358	34.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	68.00%	
62) 4-Bromofluorobenzene	12.43	95	267831	20.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	41.66%	

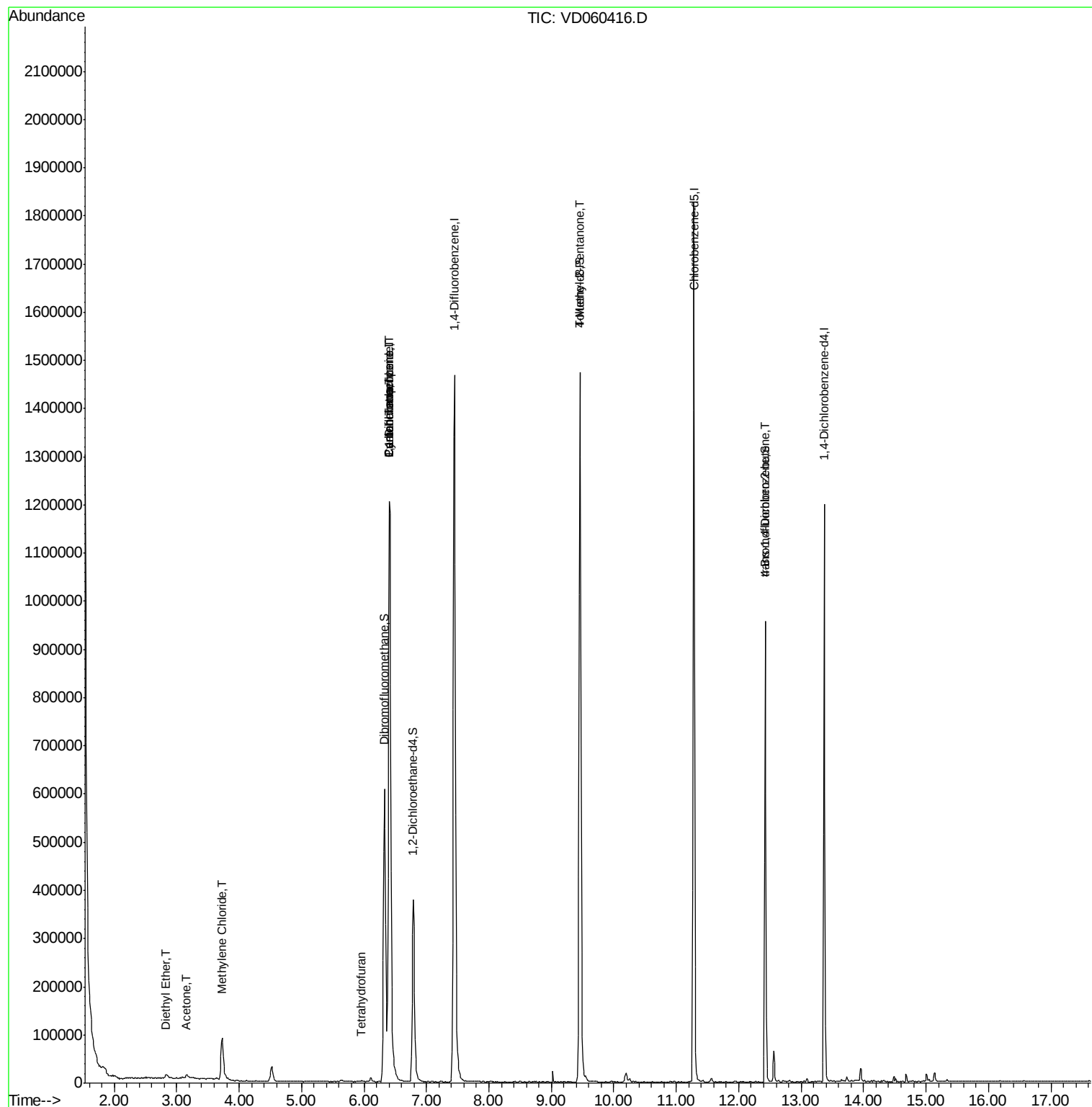
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	981	Below Cal	#	41
8) Diethyl Ether	2.82	74	2296	1.107	ug/l	59
16) Acetone	3.17	43	16123	10.333	ug/l	97
20) Methylene Chloride	3.73	84	59634	4.308	ug/l	98
29) Tetrahydrofuran	5.96	42	1962	1.147	ug/l #	41
31) Cyclohexane	6.40	56	24629	1.147	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	84169	5.240	ug/l #	46
38) Carbon Tetrachloride	6.41	117	97411	6.538	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	6147	1.017	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	105794	119.564	ug/l #	15
89) n-Butylbenzene	13.65	91	1754	Below Cal		97

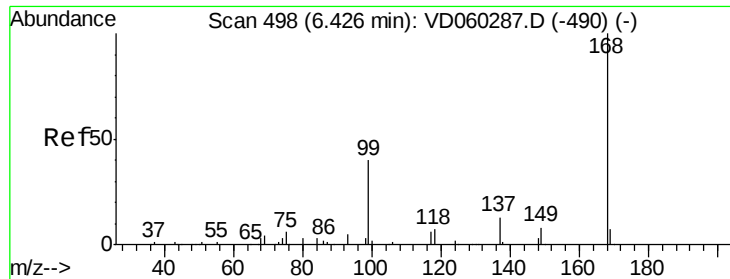
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

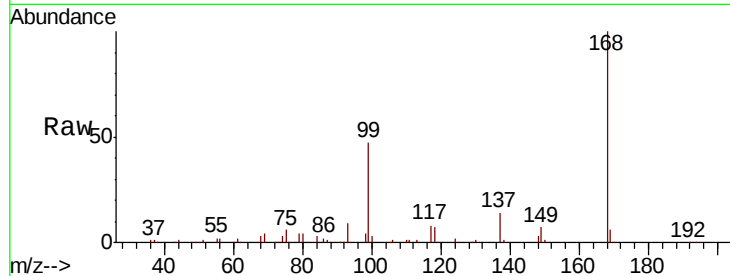
ES-RO-343

Tgt Ion:168 Resp: 1256332

Ion Ratio Lower Upper

168 100

99 47.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

400000

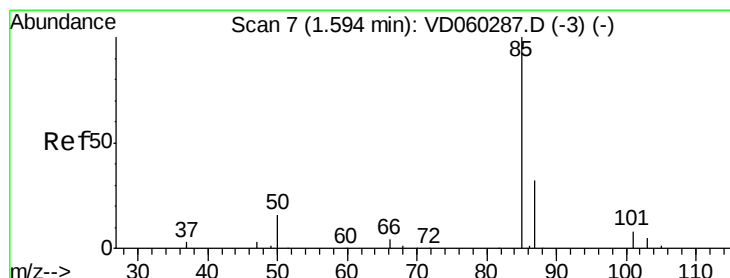
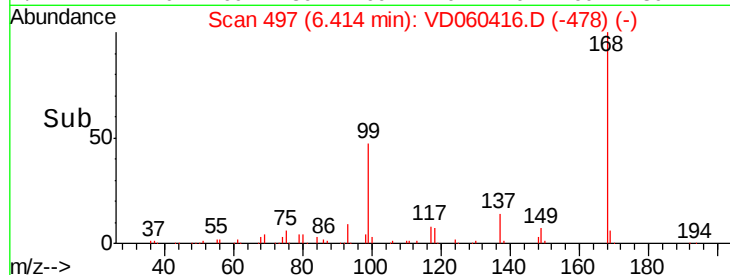
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060416.D

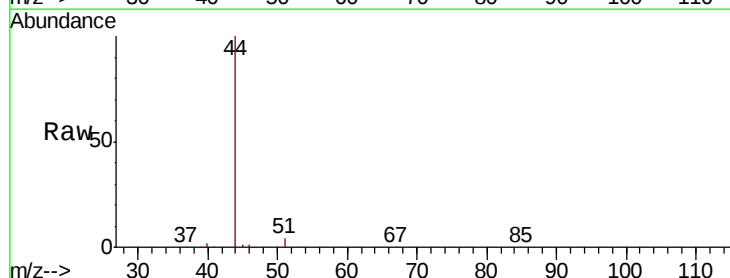
Acq: 19 Nov 2018 15:02

Tgt Ion: 85 Resp: 981

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

1.60

500

400

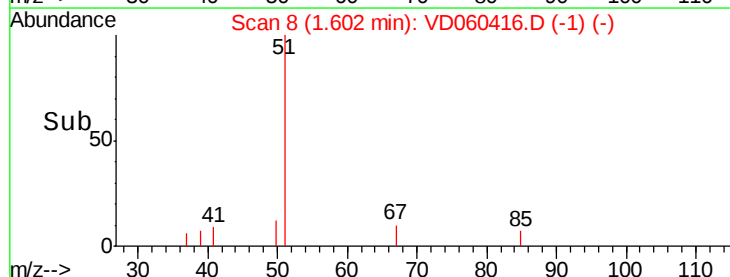
300

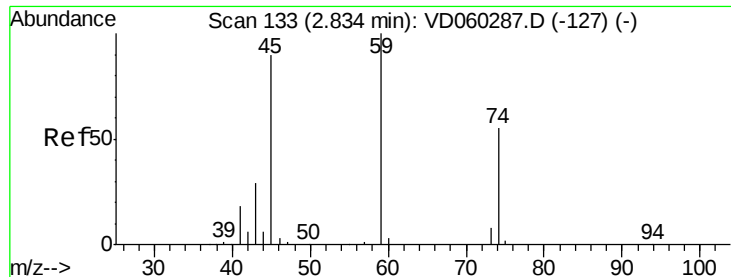
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.107 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

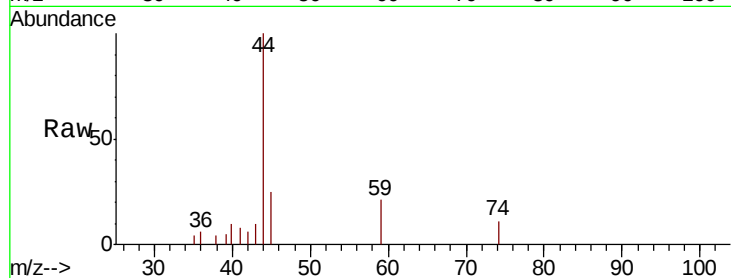
ES-RO-343

Tgt Ion: 74 Resp: 2296

Ion Ratio Lower Upper

74 100

45 225.1 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

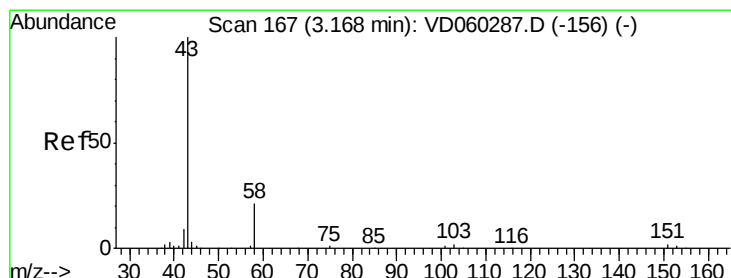
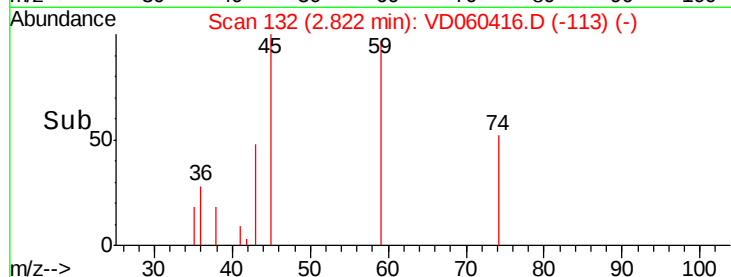
1500

1000

500

0

Time--> 2.75 2.80 2.85 2.90



#16

Acetone

Concen: 10.333 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060416.D

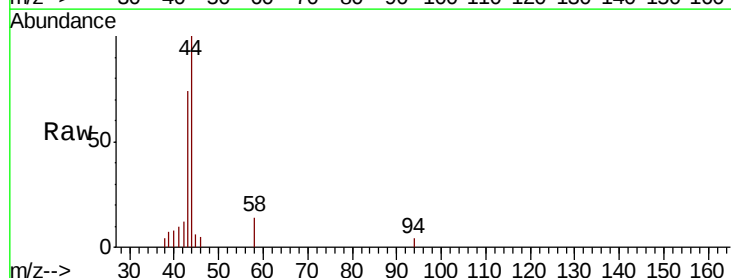
Acq: 19 Nov 2018 15:02

Tgt Ion: 43 Resp: 16123

Ion Ratio Lower Upper

43 100

58 19.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

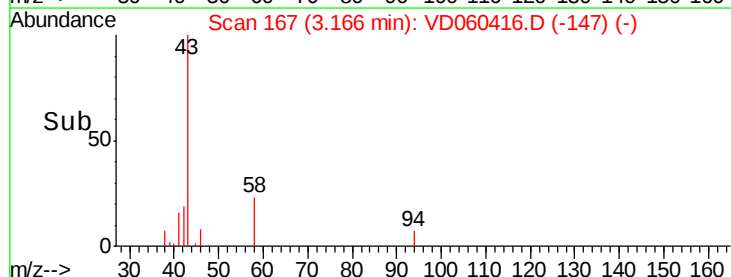
3000

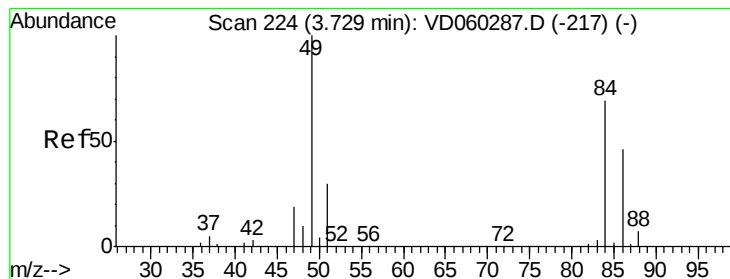
2000

1000

0

Time--> 3.10 3.20





#20

Methylene Chloride

Concen: 4.308 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

ES-RO-343

Tgt Ion: 84 Resp: 59634

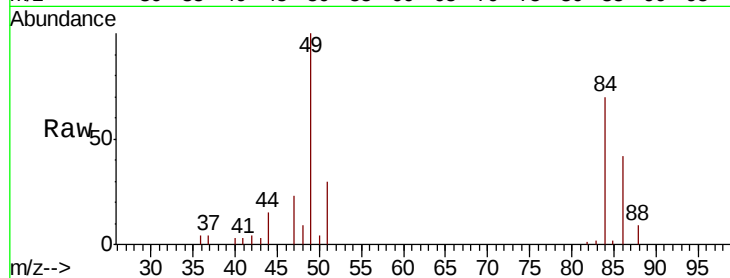
Ion Ratio Lower Upper

84 100

49 143.9 115.6 173.4

51 42.7 35.6 53.4

86 60.2 52.3 78.5

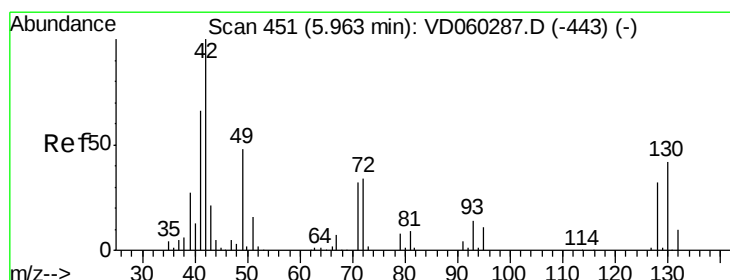
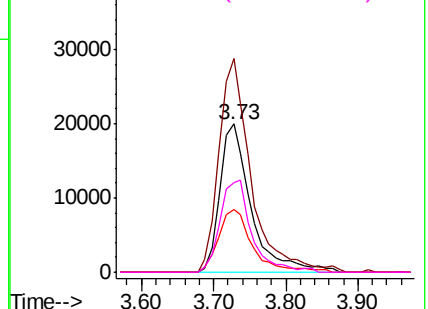
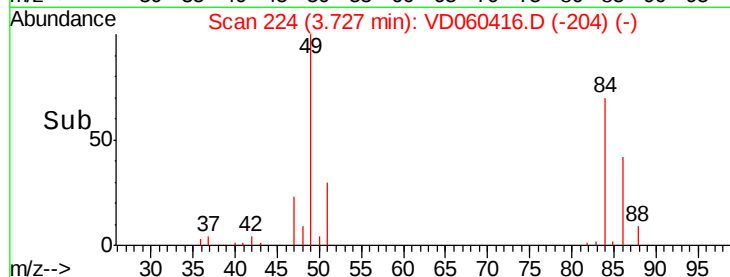


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 1.147 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

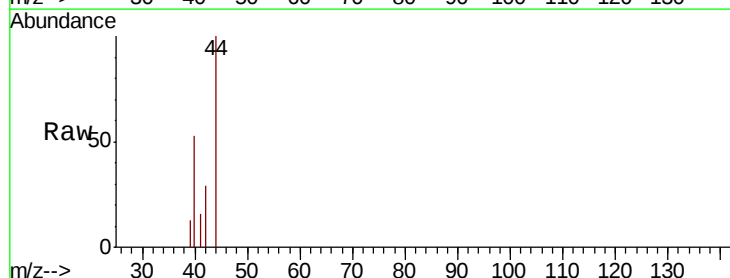
Tgt Ion: 42 Resp: 1962

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

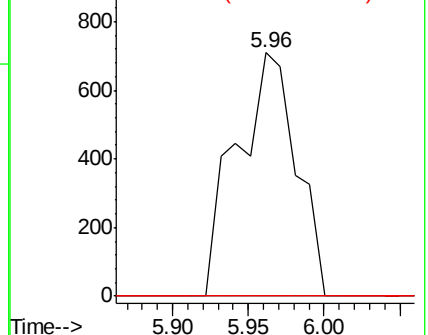
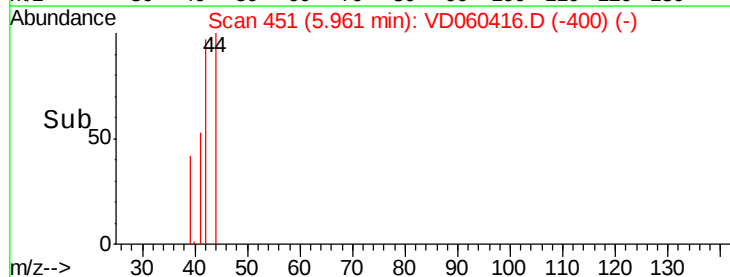
71 0.0 26.5 39.7#

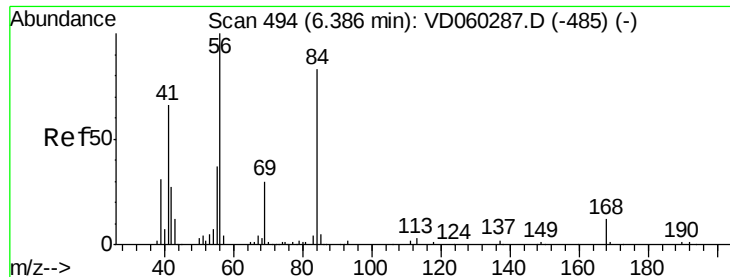


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

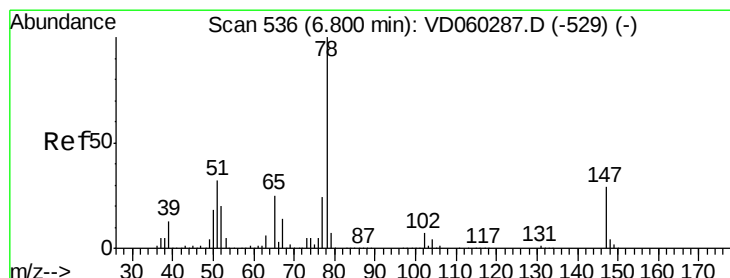
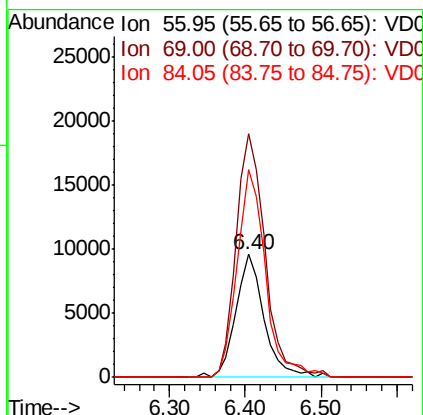
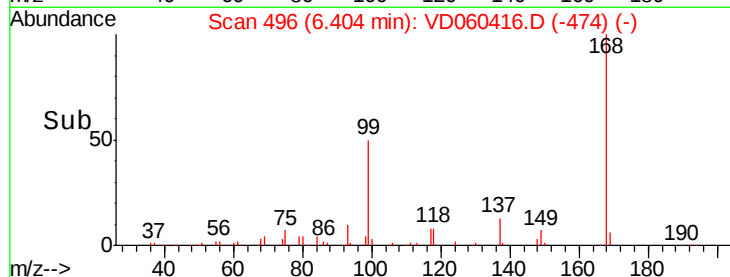
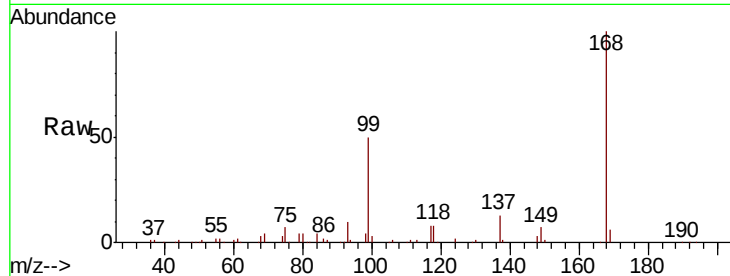




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060416.D
Acq: 19 Nov 2018 15:02

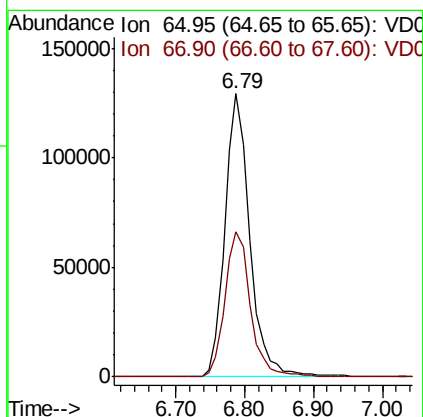
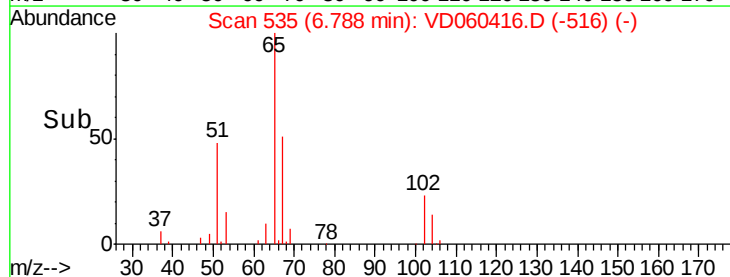
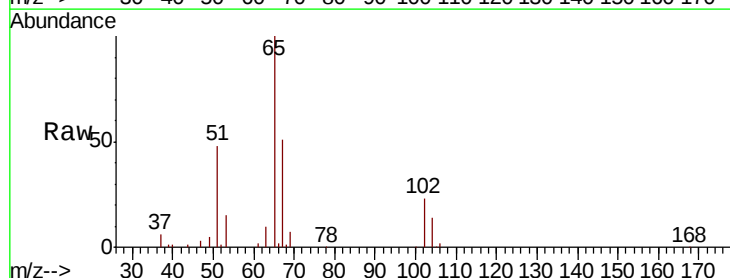
Instrument :
MSVOA_D
ClientSampleId :
ES-RO-343

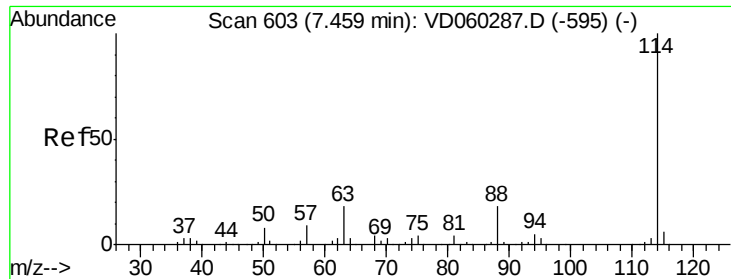
Tgt Ion: 56 Resp: 24629
Ion Ratio Lower Upper
56 100
69 198.4 22.2 33.2#
84 169.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060416.D
Acq: 19 Nov 2018 15:02

Tgt Ion: 65 Resp: 322251
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.8

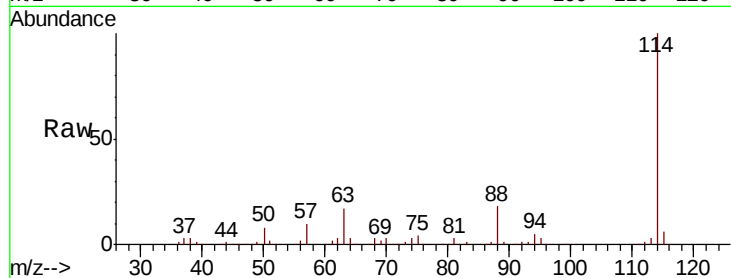




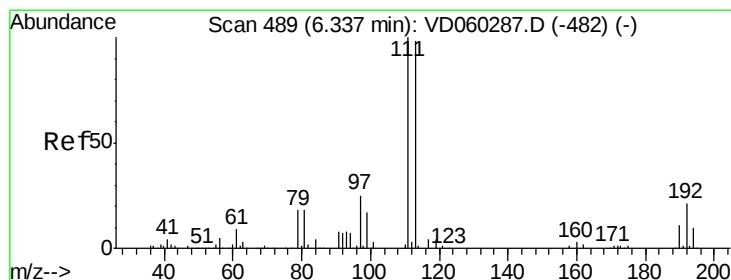
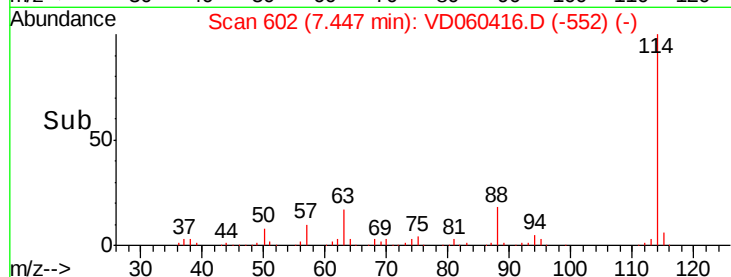
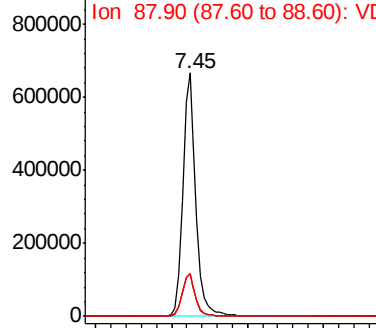
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060416.D
 Acq: 19 Nov 2018 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 ES-RO-343

Tgt Ion:114 Resp: 1625836
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.0
 88 17.6 0.0 35.4

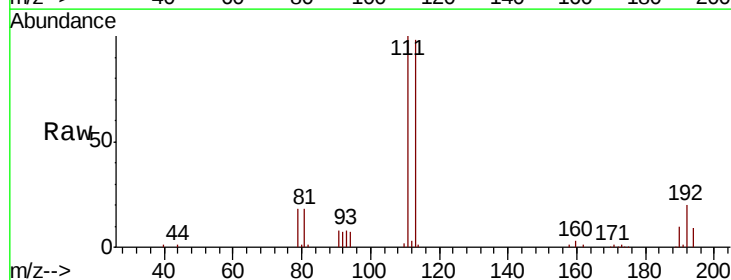


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

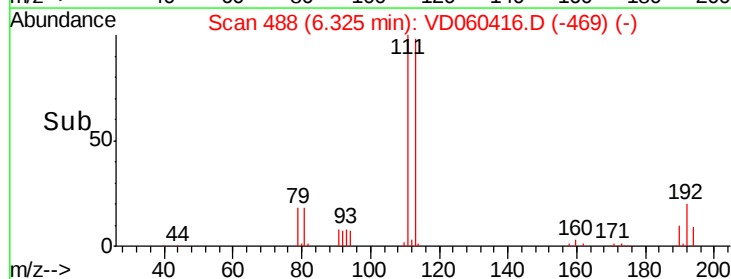
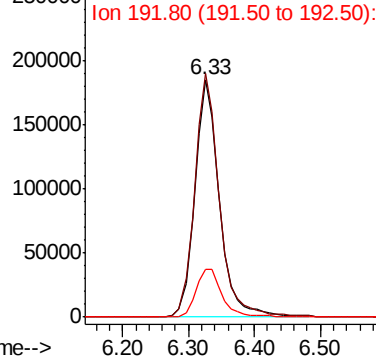


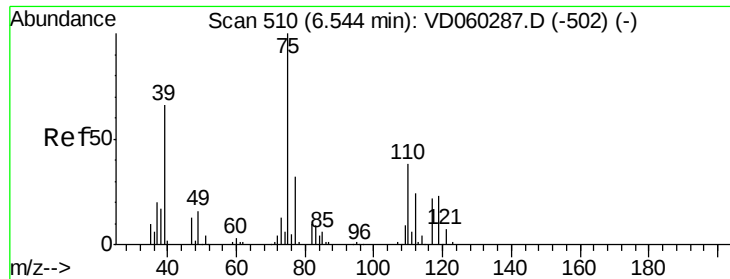
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060416.D
 Acq: 19 Nov 2018 15:02

Tgt Ion:113 Resp: 482582
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.2 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: 5.240 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

ES-RO-343

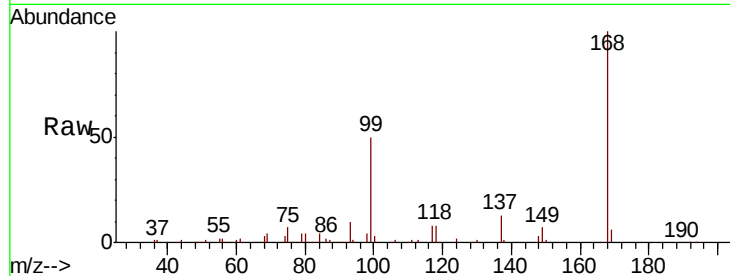
Tgt Ion: 75 Resp: 84169

Ion Ratio Lower Upper

75 100

110 6.1 18.0 54.0#

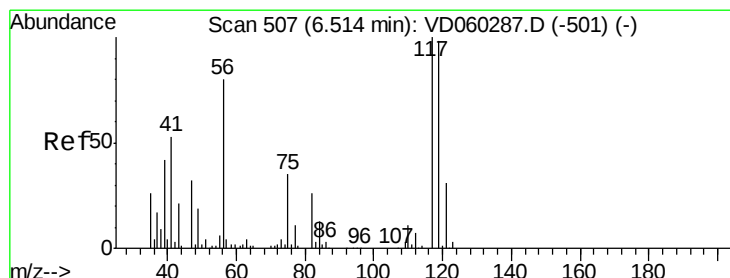
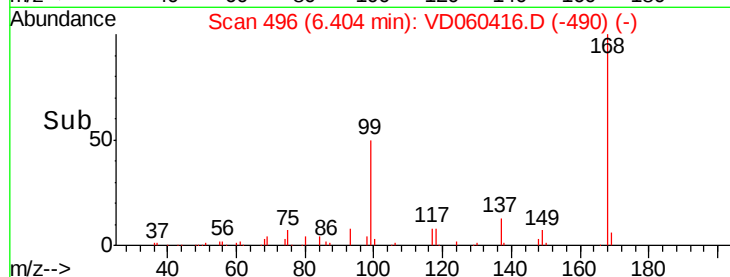
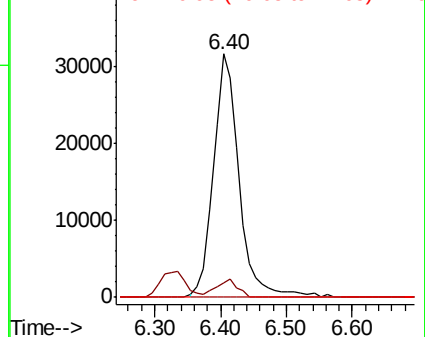
77 0.0 25.6 38.4#



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: 6.538 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.10 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

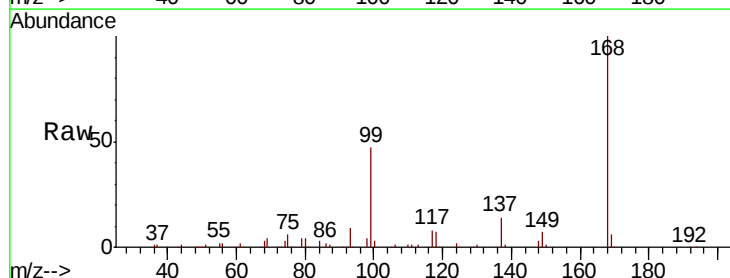
Tgt Ion: 117 Resp: 97411

Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

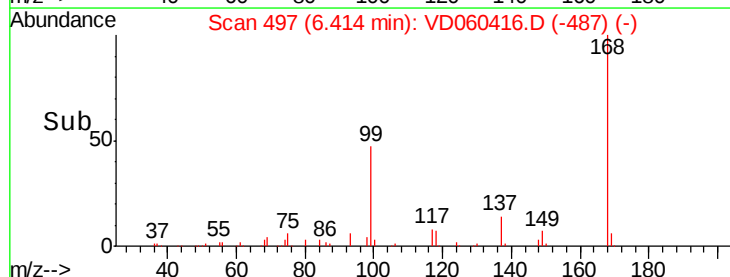
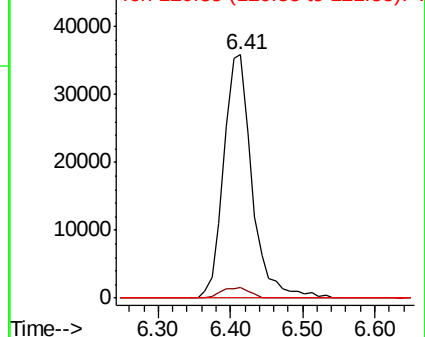
121 0.0 24.3 36.5#

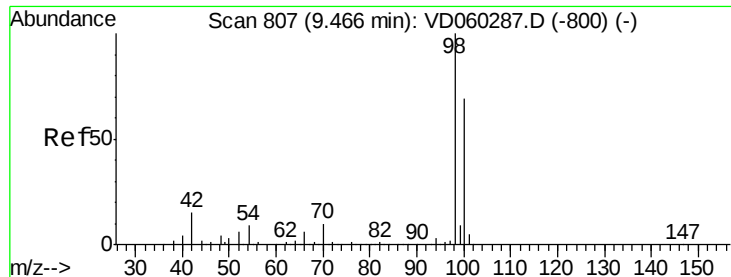


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

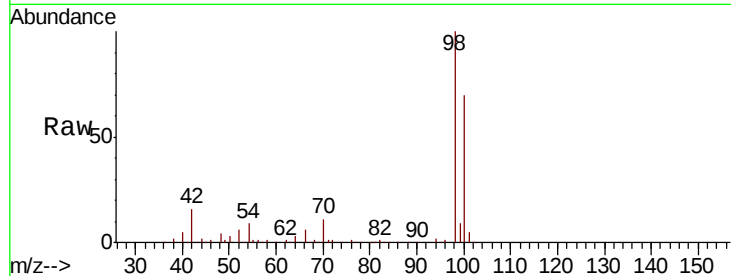
ES-RO-343

Tgt Ion: 98 Resp: 1206358

Ion Ratio Lower Upper

98 100

100 69.7 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.45

600000

500000

400000

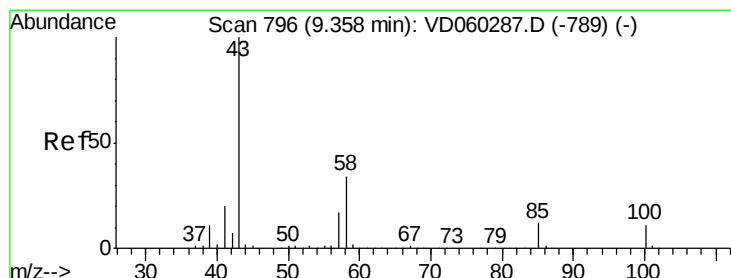
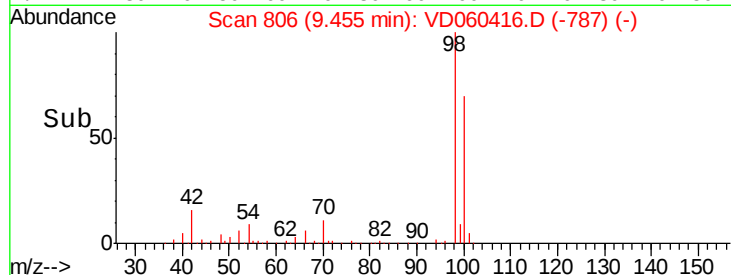
300000

200000

100000

0

Time--> 9.30 9.40 9.50 9.60



#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.11 min

Lab File: VD060416.D

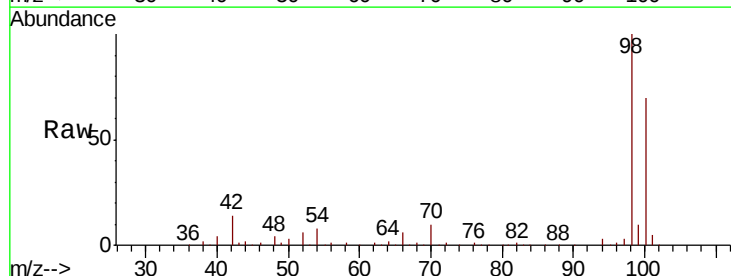
Acq: 19 Nov 2018 15:02

Tgt Ion: 43 Resp: 6147

Ion Ratio Lower Upper

43 100

58 115.6 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

4000

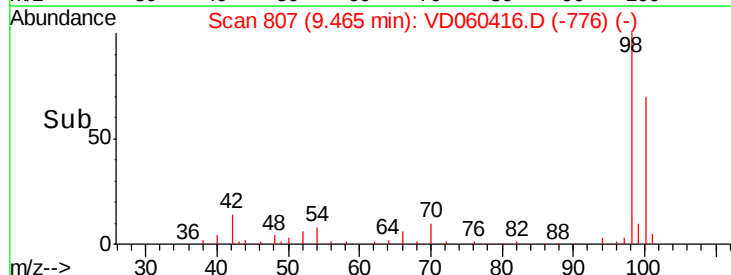
3000

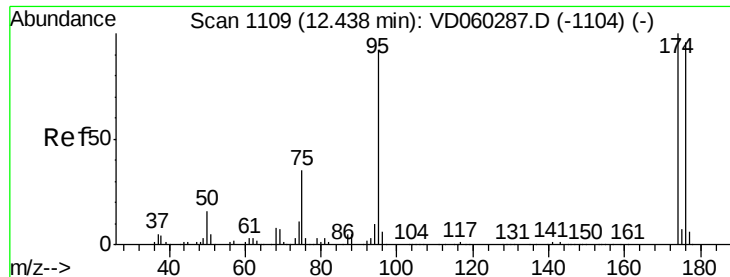
2000

1000

0

Time--> 9.40 9.45 9.50

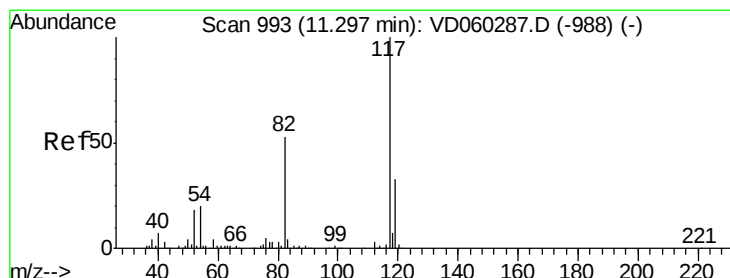
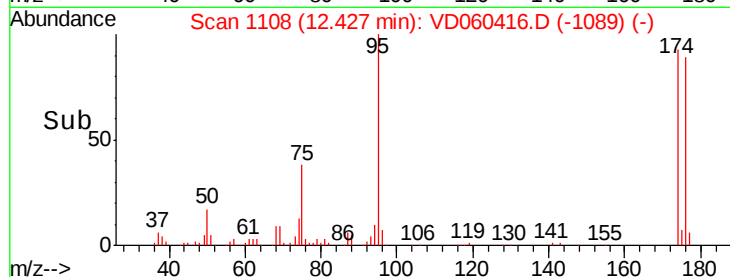
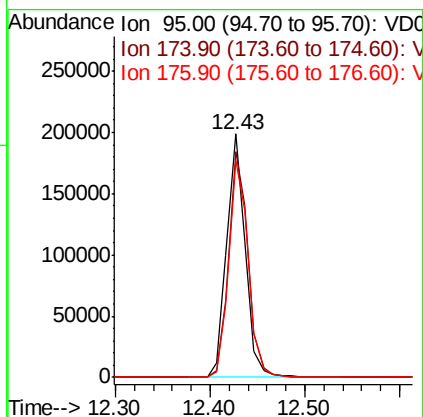
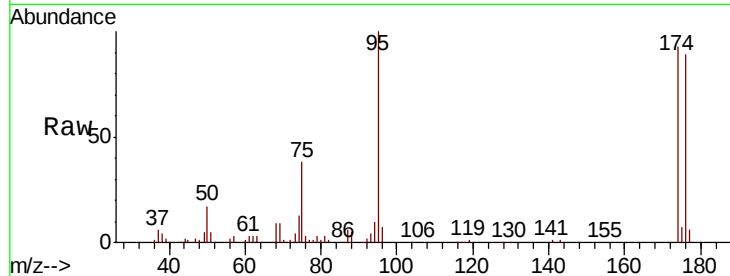




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060416.D
Acq: 19 Nov 2018 15:02

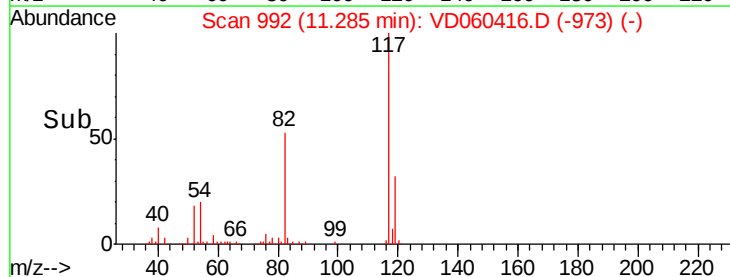
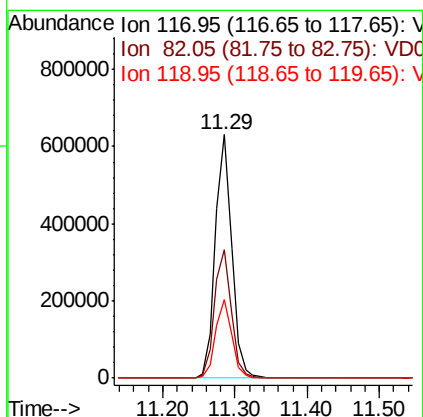
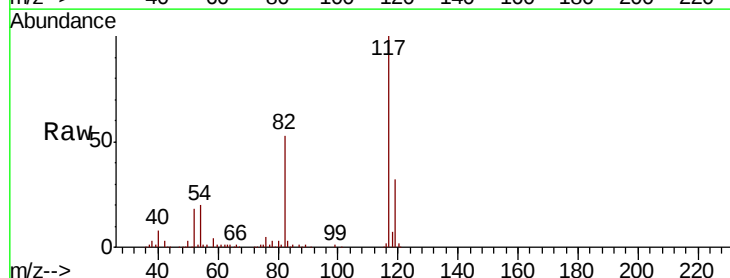
Instrument :
MSVOA_D
ClientSampleId :
ES-RO-343

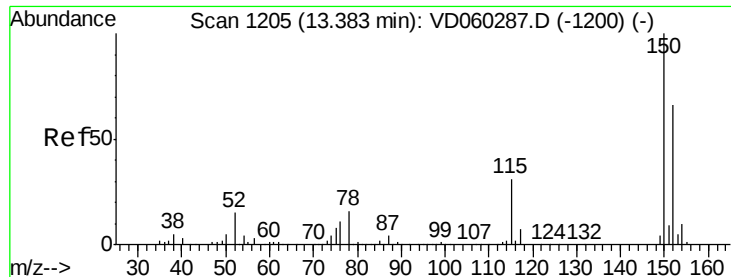
Tgt Ion: 95 Resp: 267831
Ion Ratio Lower Upper
95 100
174 92.5 0.0 160.8
176 89.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060416.D
Acq: 19 Nov 2018 15:02

Tgt Ion: 117 Resp: 983632
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 32.2 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

Instrument :

MSVOA_D

ClientSampleId :

ES-RO-343

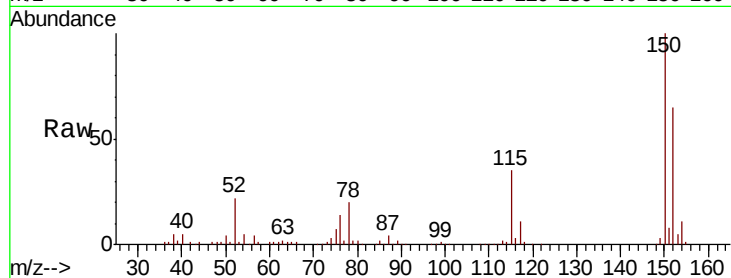
Tgt Ion:152 Resp: 259812

Ion Ratio Lower Upper

152 100

115 52.8 24.1 72.3

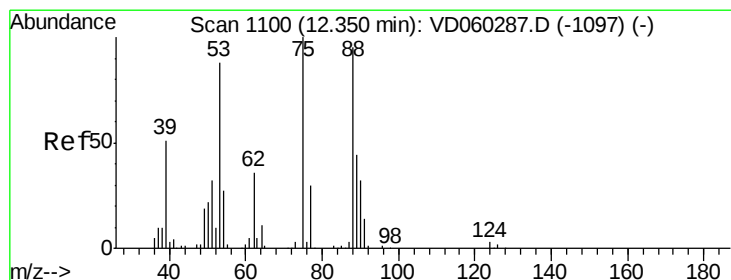
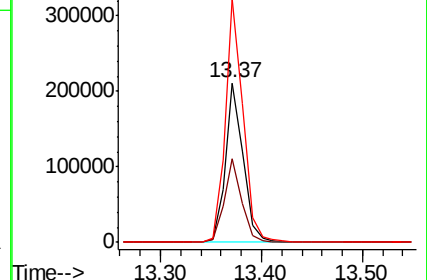
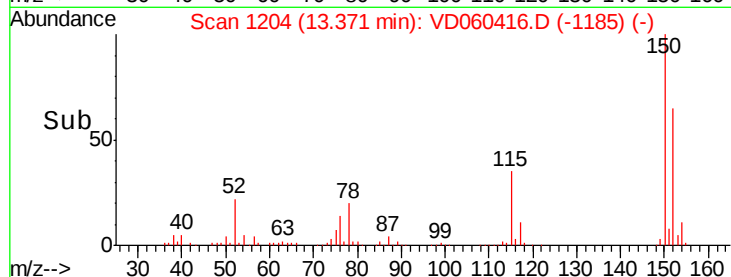
150 152.9 0.0 310.6



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: 119.564 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060416.D

Acq: 19 Nov 2018 15:02

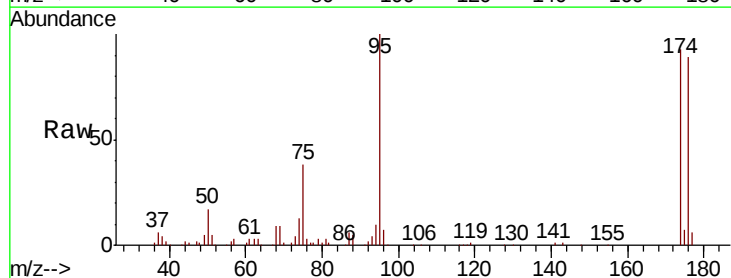
Tgt Ion: 75 Resp: 105794

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

