

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060191.D
 Acq On : 24 Oct 2018 19:36
 Operator : JC/SY
 Sample : J5661-01
 Misc : 5.05/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB44949

Quant Time: Oct 25 03:37:12 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	6.40	168	1212160	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	1699227	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1175916	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	396022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	532771	57.98	ug/l	0.02
Spiked Amount			Recovery	=	115.96%	
35) Dibromofluoromethane	6.32	113	648622	50.27	ug/l	0.02
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	9.45	98	1572270	42.73	ug/l	0.01
Spiked Amount			Recovery	=	85.46%	
62) 4-Bromofluorobenzene	12.42	95	471300	34.21	ug/l	0.00
Spiked Amount			Recovery	=	68.42%	

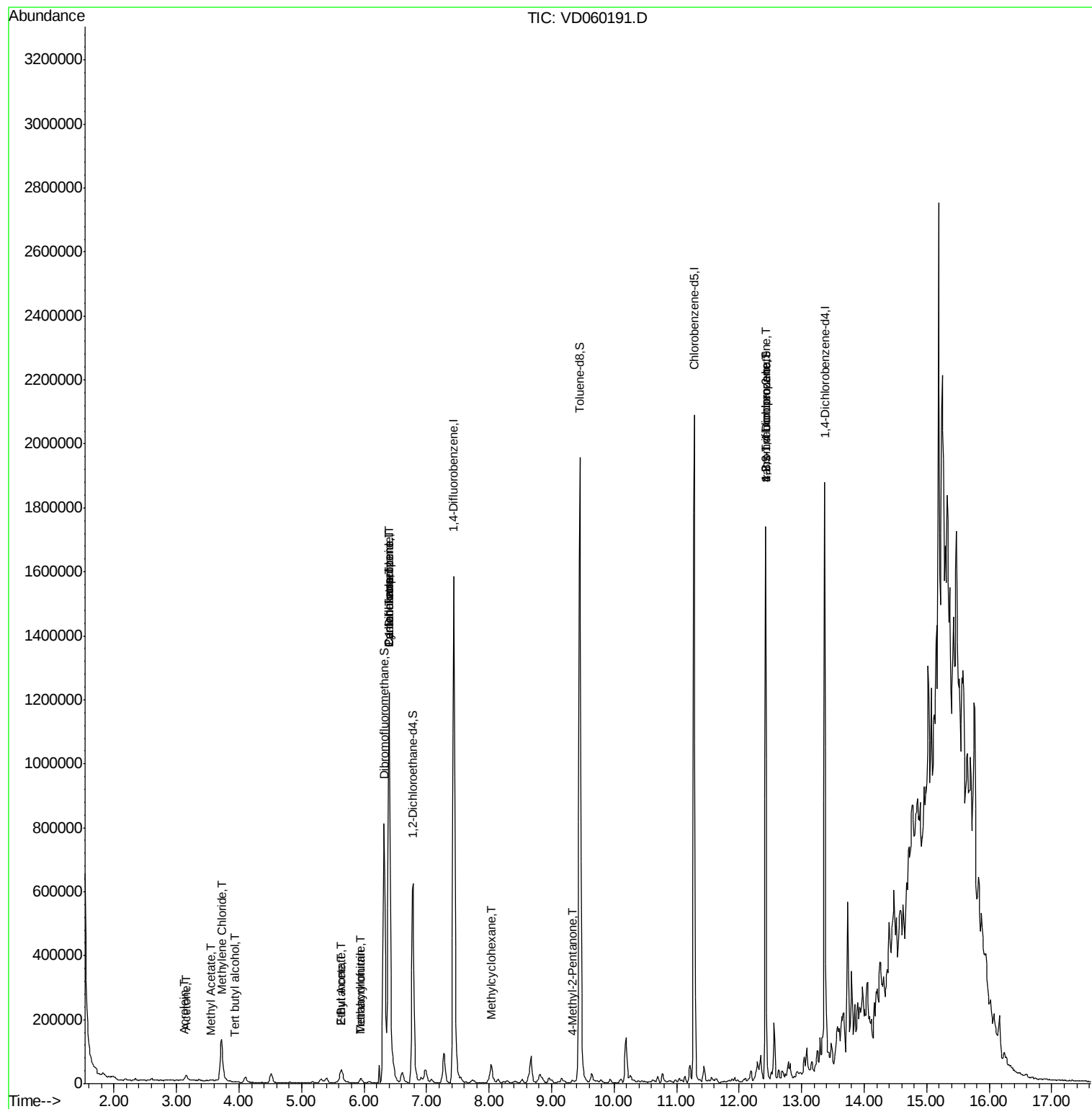
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.94	59	2906	4.410	ug/l #	74
13) Acrolein	3.11	56	430	1.059	ug/l	95
16) Acetone	3.15	43	39995	23.988	ug/l	92
18) Methyl Acetate	3.56	43	6923	1.932	ug/l #	63
20) Methylene Chloride	3.71	84	71094	1.222	ug/l	97
25) 2-Butanone	5.62	43	37958	9.113	ug/l	97
29) Tetrahydrofuran	5.95	42	10825	4.474	ug/l #	89
31) Cyclohexane	6.40	56	34289	1.723	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	88034	5.422	ug/l #	46
37) Ethyl Acetate	5.62	43	37958	3.522	ug/l #	71
38) Carbon Tetrachloride	6.40	117	95419	6.475	ug/l #	15
39) Methylcyclohexane	8.03	83	21708	1.177	ug/l	88
41) Methacrylonitrile	5.95	41	7414	1.217	ug/l #	85
51) 4-Methyl-2-Pentanone	9.33	43	9200	1.029	ug/l	100
76) 1,2,3-Trichloropropane	12.42	75	182093	31.928	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	190469	118.855	ug/l #	14

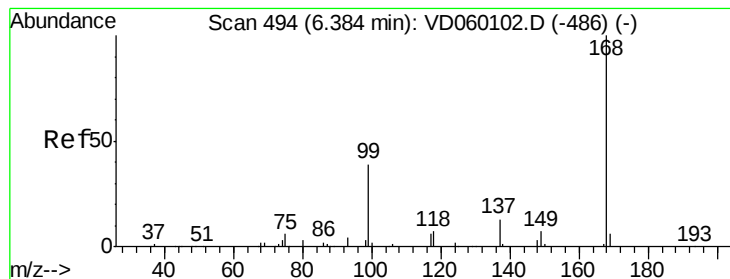
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060191.D
Acq On : 24 Oct 2018 19:36
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Quant Time: Oct 25 03:37:12 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: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

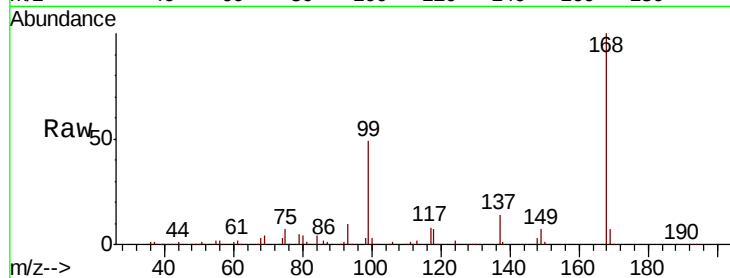
VB44949

Tot Ion:168 Resp: 1212160

Ion Ratio Lower Upper

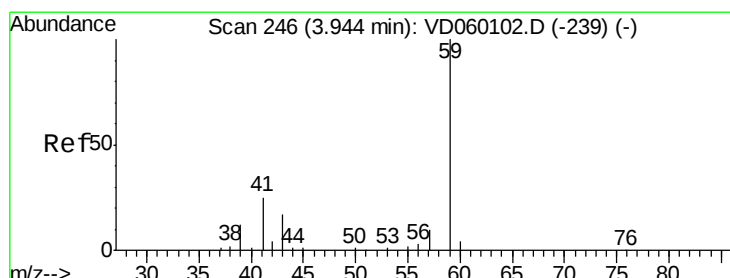
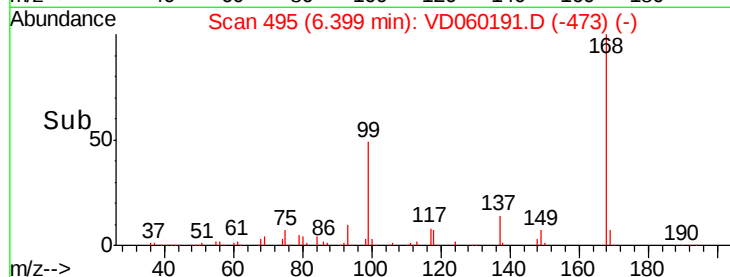
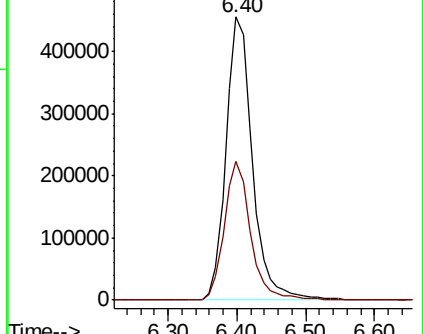
168 100

99 49.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 4.410 ug/l

RT: 3.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD060191.D

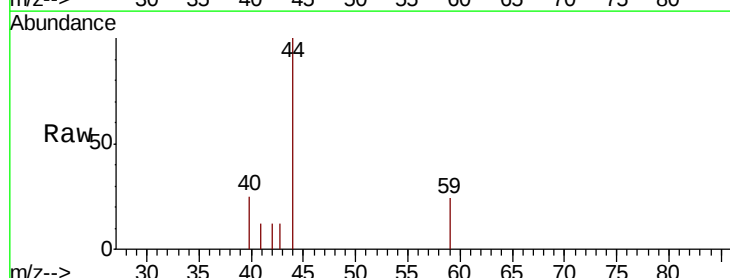
Acq: 24 Oct 2018 19:36

Tgt Ion: 59 Resp: 2906

Ion Ratio Lower Upper

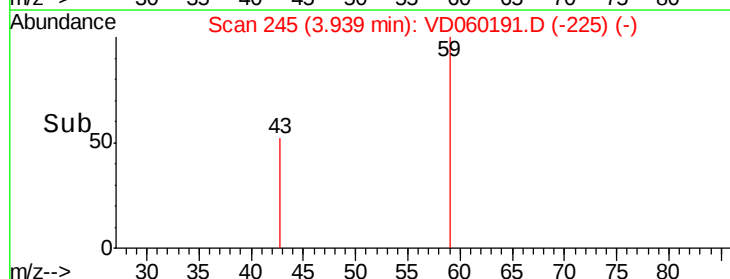
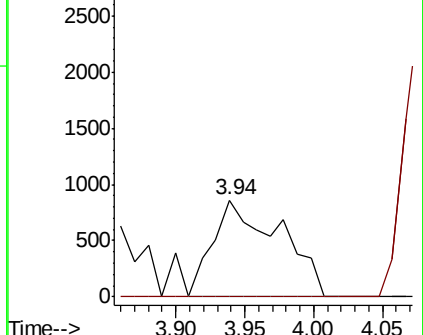
59 100

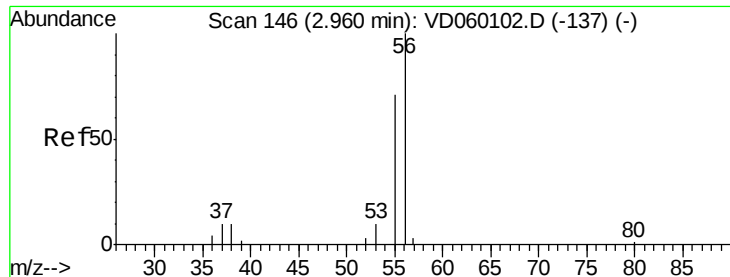
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.059 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.15 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

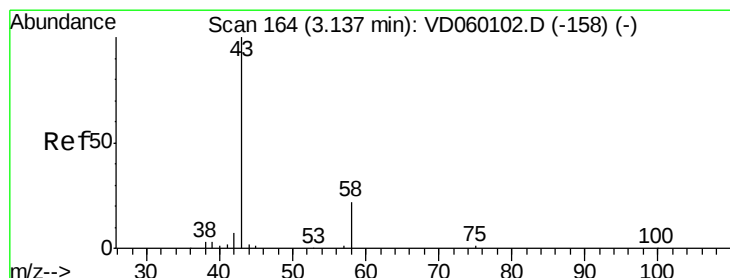
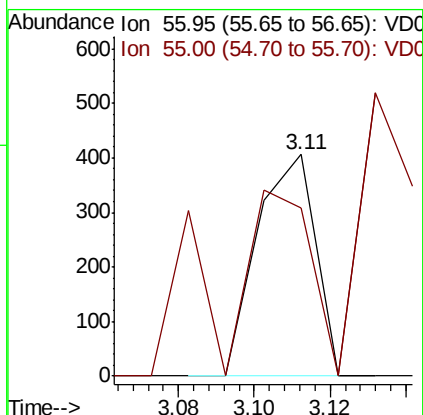
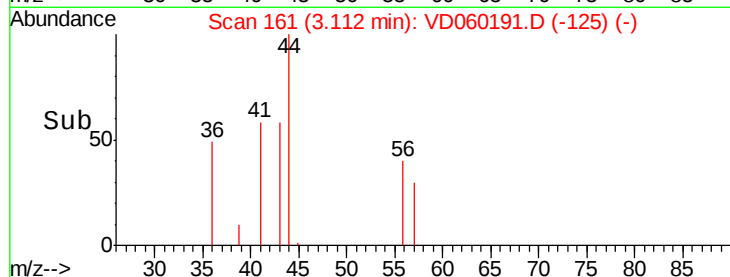
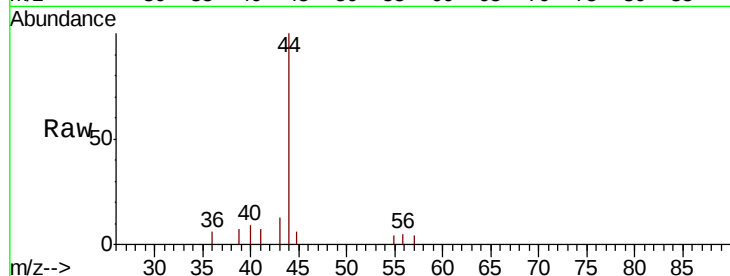
VB44949

Tot Ion: 56 Resp: 430

Ion Ratio Lower Upper

56 100

55 75.9 57.4 86.2



#16

Acetone

Concen: 23.988 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060191.D

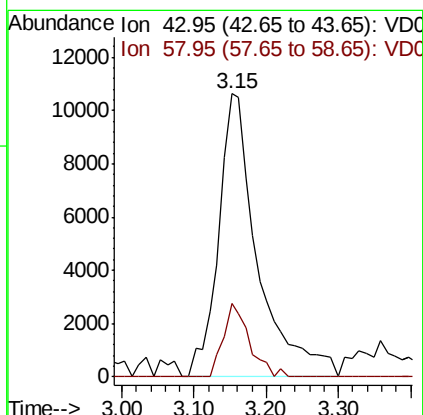
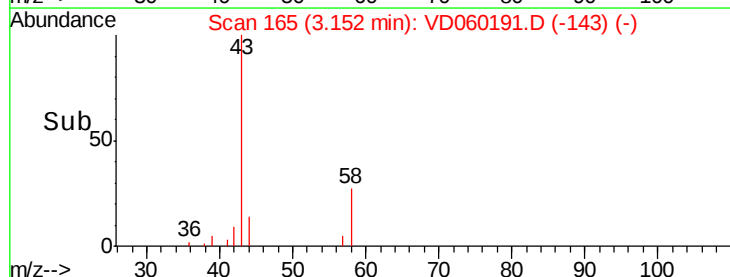
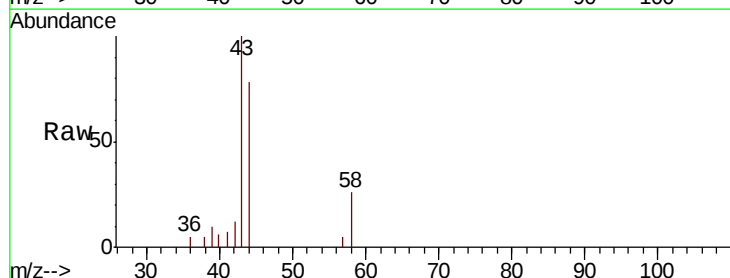
Acq: 24 Oct 2018 19:36

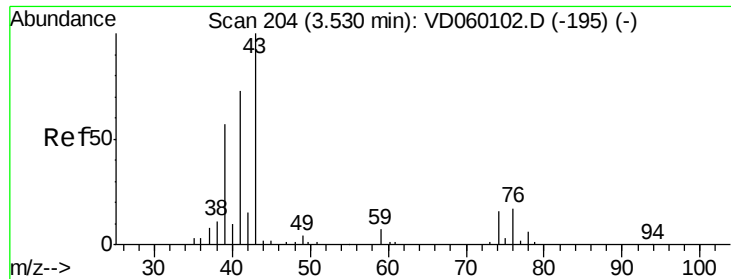
Tgt Ion: 43 Resp: 39995

Ion Ratio Lower Upper

43 100

58 25.7 17.7 26.5

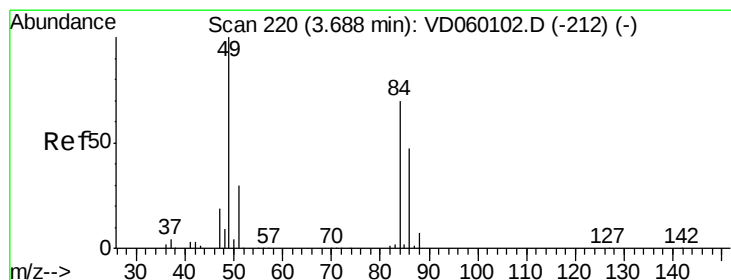
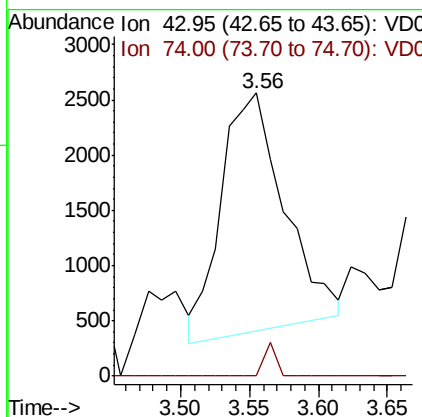
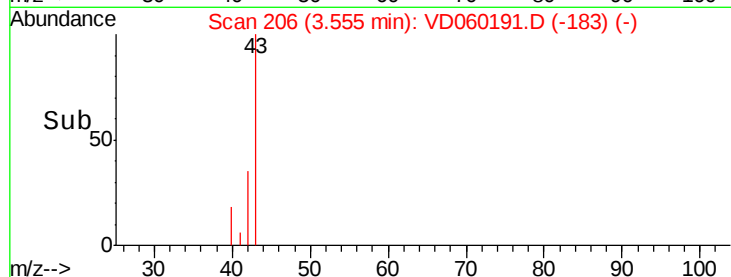
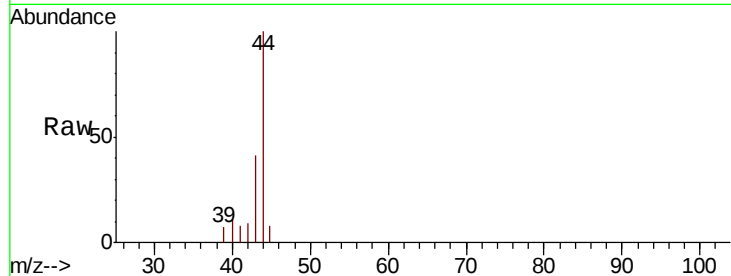




#18
Methyl Acetate
Concen: 1.932 ug/l
RT: 3.56 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

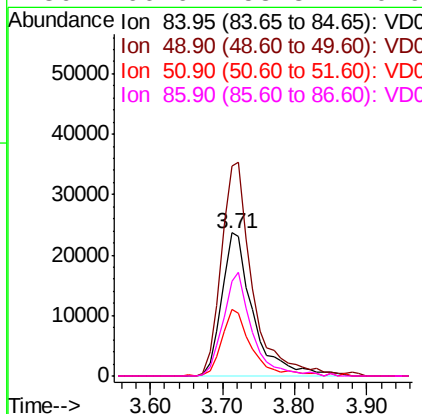
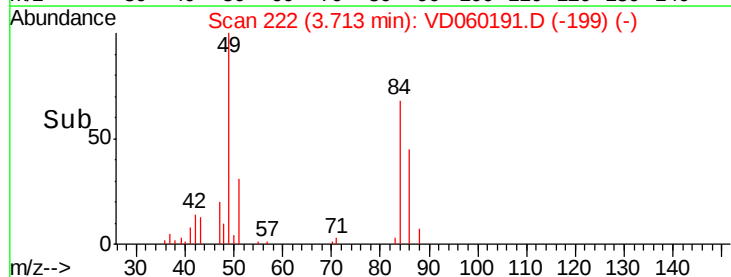
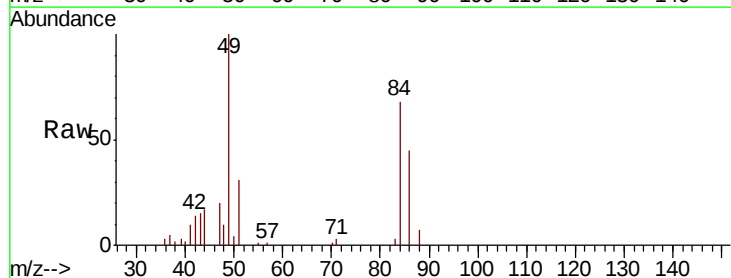
Instrument :
MSVOA_D
ClientSampled :
VB44949

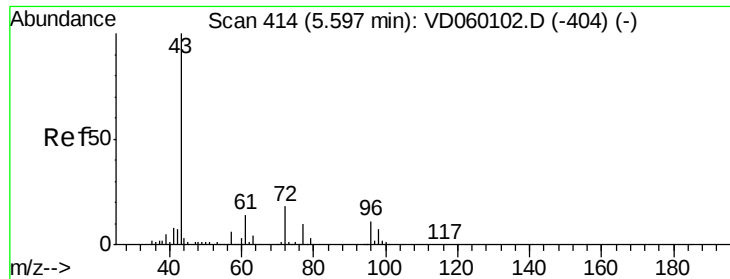
Tot Ion: 43 Resp: 6923
Ion Ratio Lower Upper
43 100
74 0.0 12.6 19.0#



#20
Methylene Chloride
Concen: 1.222 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Tgt Ion: 84 Resp: 71094
Ion Ratio Lower Upper
84 100
49 146.7 114.6 172.0
51 46.2 33.8 50.8
86 66.6 53.3 79.9





#25

2-Butanone

Concen: 9.113 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

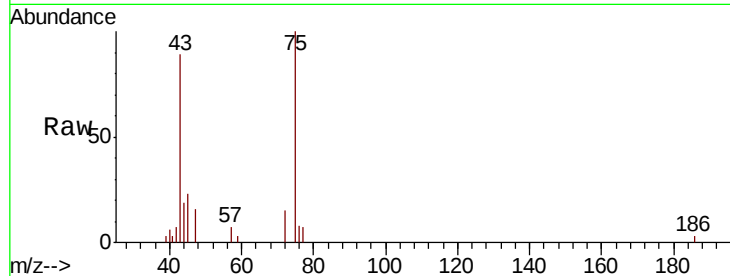
VB44949

Tot Ion: 43 Resp: 37958

Ion Ratio Lower Upper

43 100

72 16.6 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

12000

10000

8000

6000

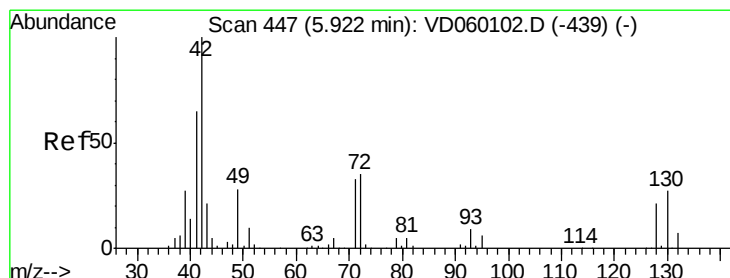
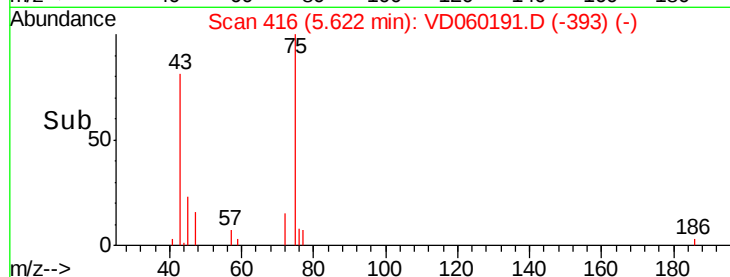
4000

2000

0

5.50 5.60 5.70 5.80

Time-->



#29

Tetrahydrofuran

Concen: 4.474 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

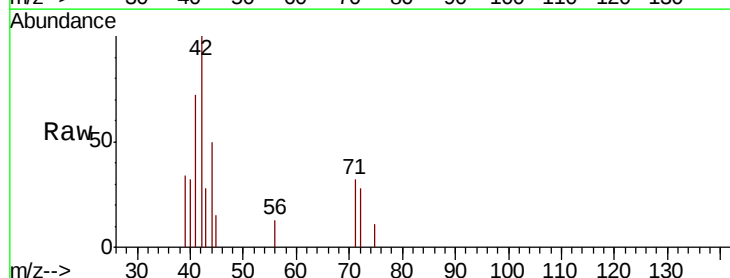
Tgt Ion: 42 Resp: 10825

Ion Ratio Lower Upper

42 100

72 28.2 26.9 40.3

71 26.1 26.7 40.1#



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

5000

4000

3000

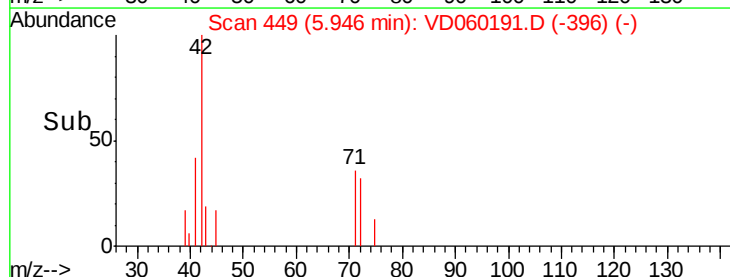
2000

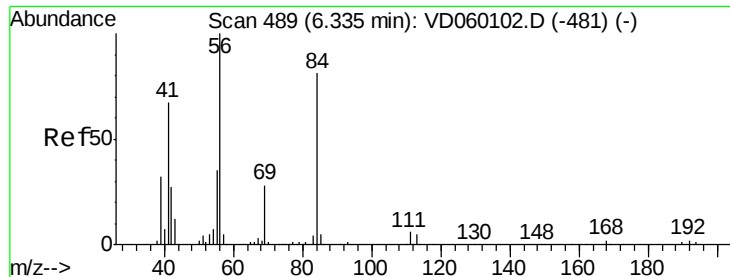
1000

0

5.85 5.90 5.95 6.00

Time-->

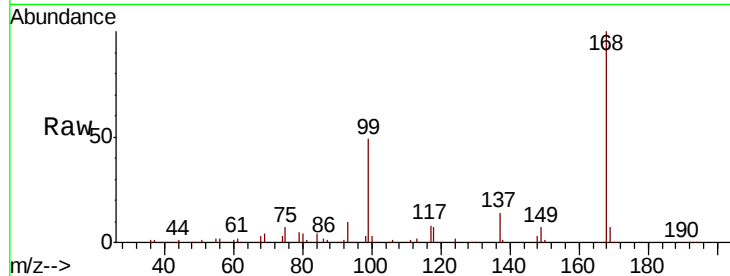




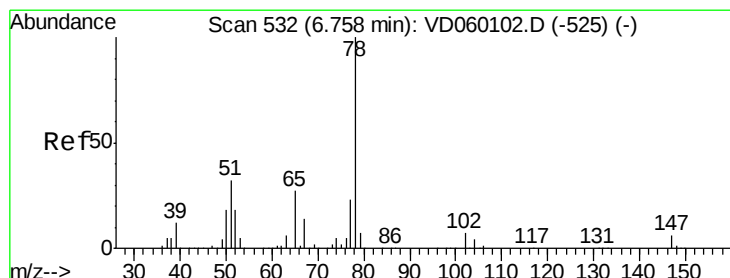
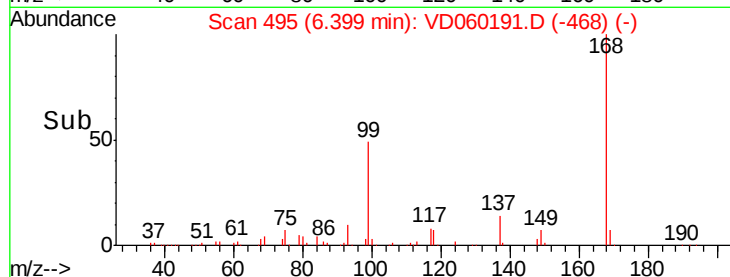
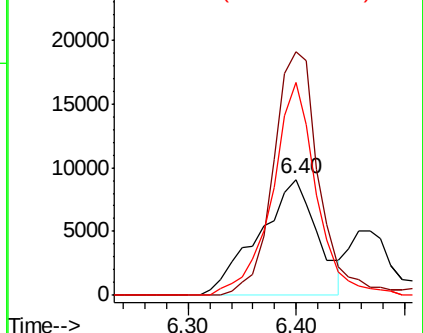
#31
Cyclohexane
Concen: 1.723 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Instrument :
MSVOA_D
ClientSampled :
VB44949

Tot Ion: 56 Resp: 34289
Ion Ratio Lower Upper
56 100
69 210.3 22.8 34.2#
84 183.7 64.9 97.3#

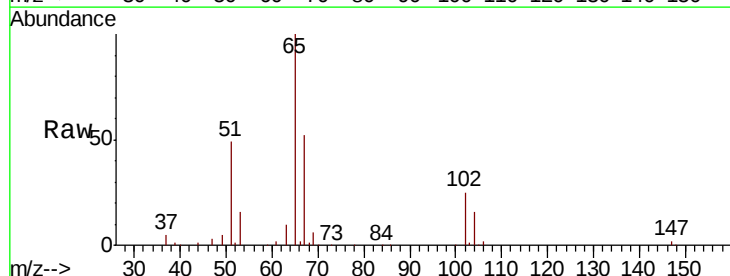


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

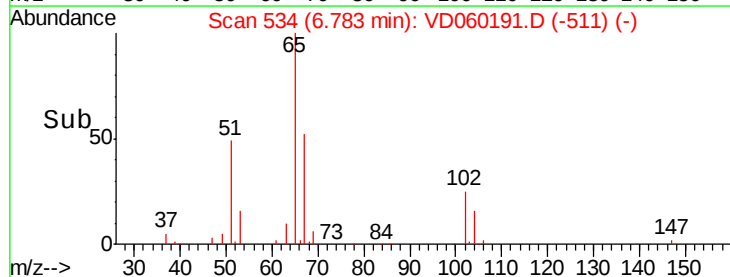
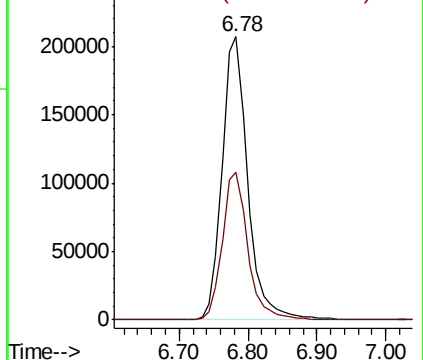


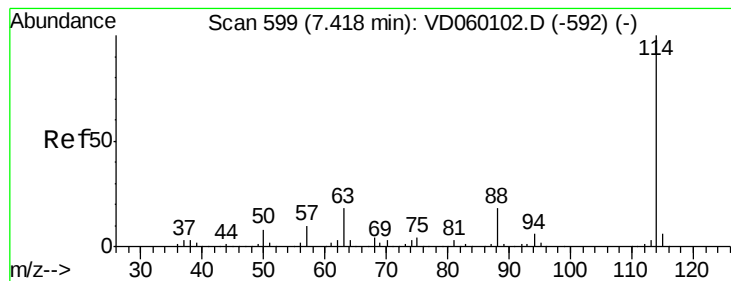
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Tgt Ion: 65 Resp: 532771
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: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

VB44949

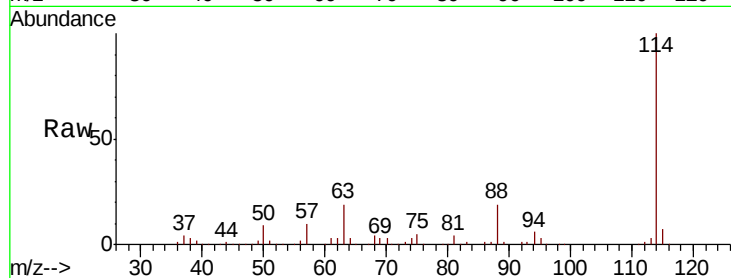
Tot Ion:114 Resp: 1699227

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

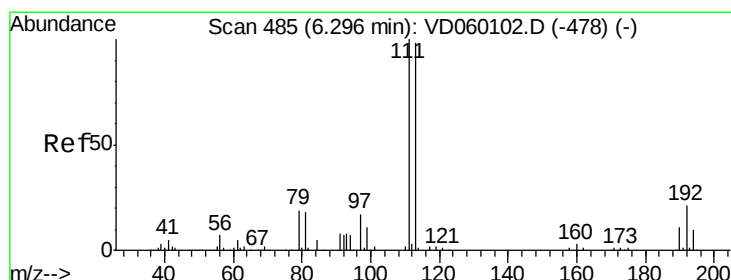
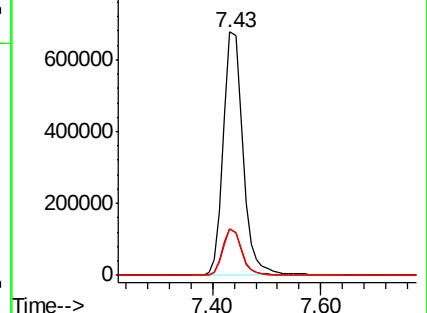
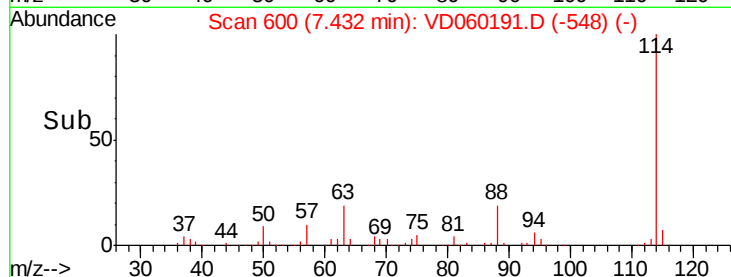
88 19.1 0.0 36.2



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: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

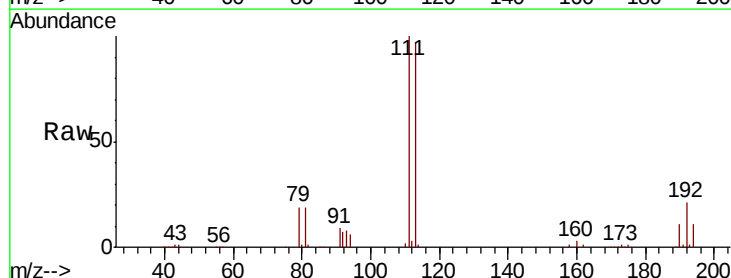
Tgt Ion:113 Resp: 648622

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

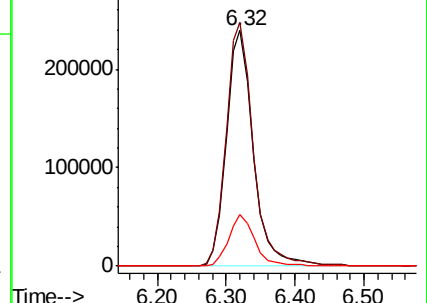
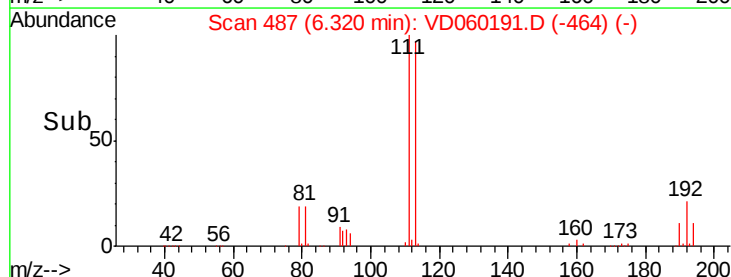
192 21.9 17.4 26.0

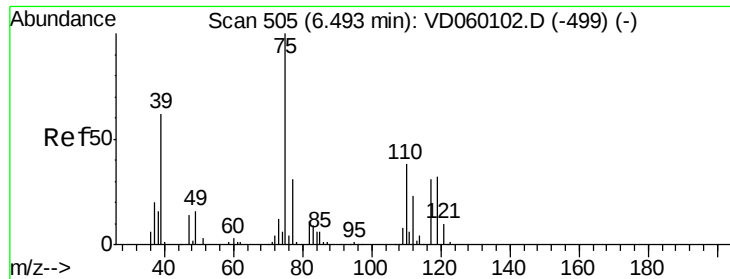


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.422 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.09 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

VB44949

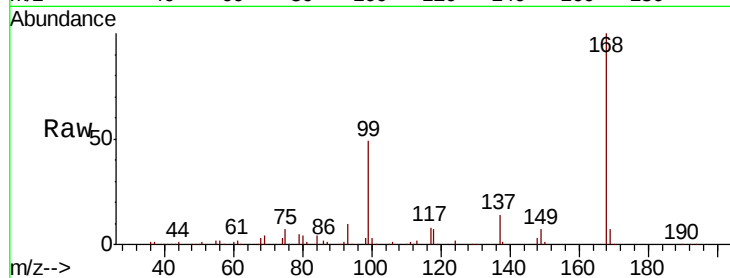
Tot Ion: 75 Resp: 88034

Ion Ratio Lower Upper

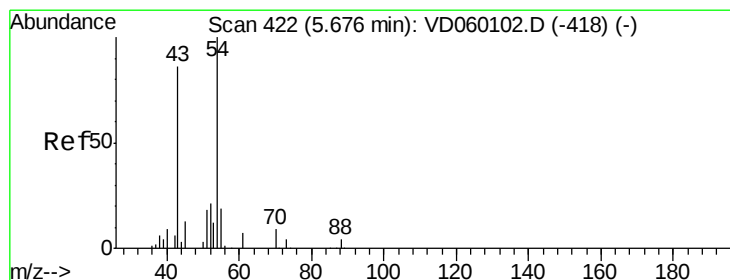
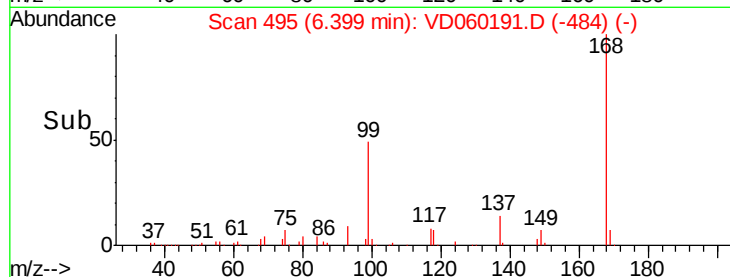
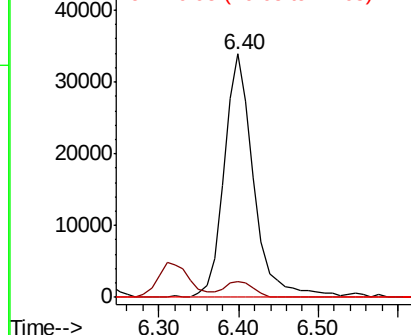
75 100

110 6.2 19.0 57.0#

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 3.522 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.05 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

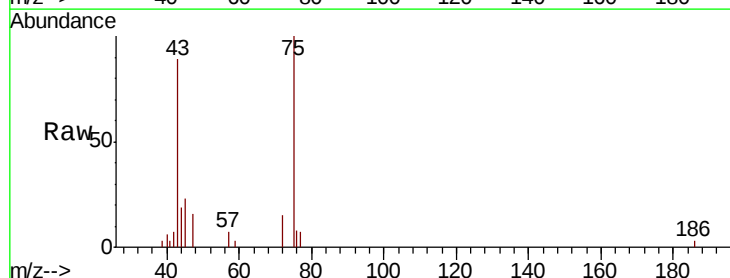
Tgt Ion: 43 Resp: 37958

Ion Ratio Lower Upper

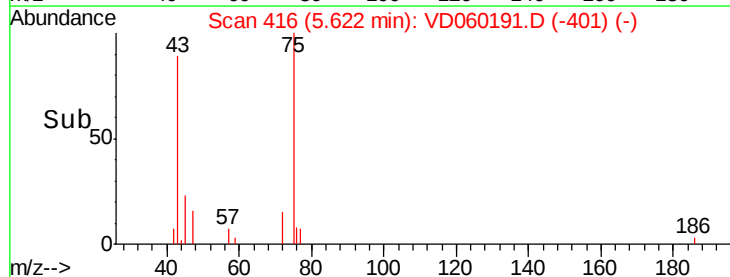
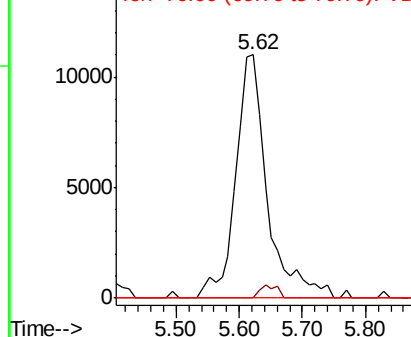
43 100

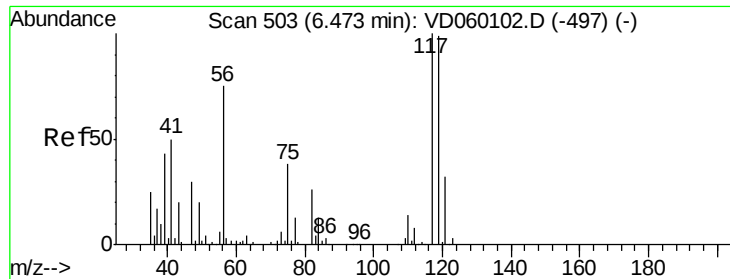
61 0.0 10.5 15.7#

70 0.0 6.3 9.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.475 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

VB44949

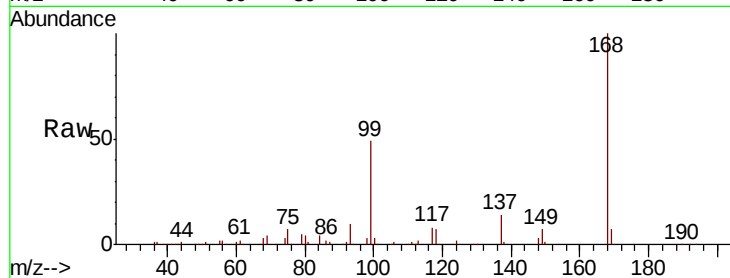
Tot Ion:117 Resp: 95419

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

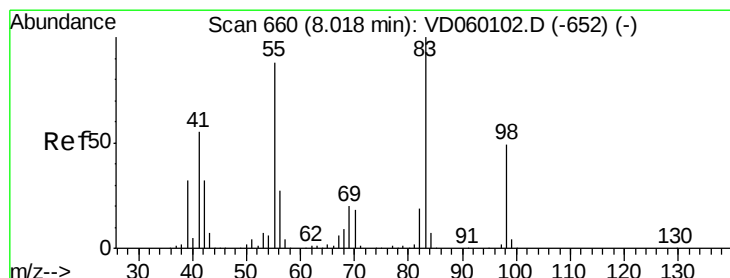
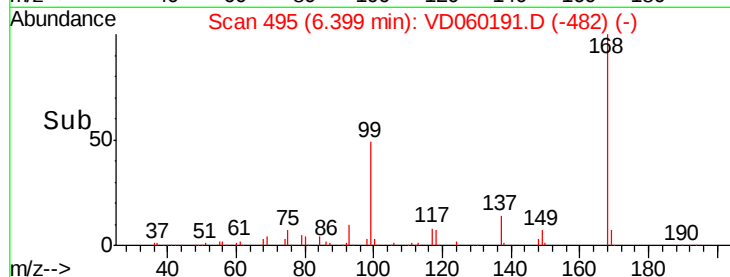
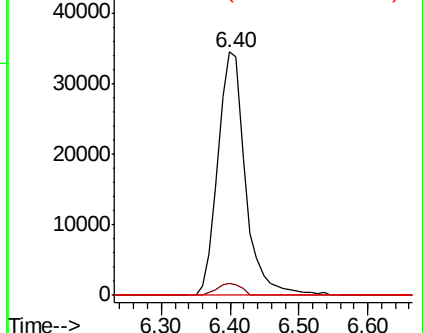
121 0.0 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 1.177 ug/l

RT: 8.03 min Scan# 661

Delta R.T. 0.01 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

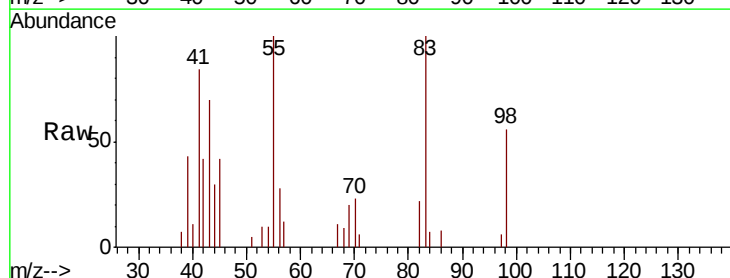
Tgt Ion: 83 Resp: 21708

Ion Ratio Lower Upper

83 100

55 100.2 70.5 105.7

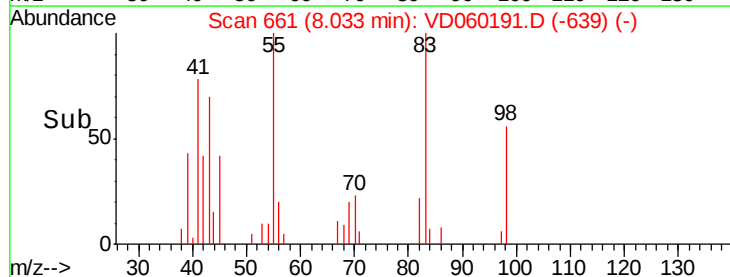
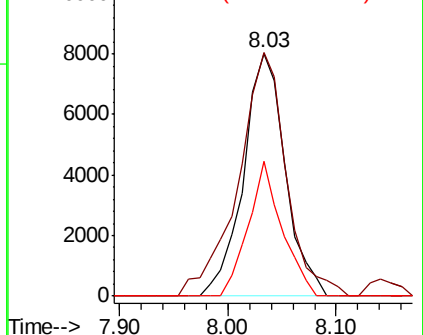
98 55.7 39.4 59.2

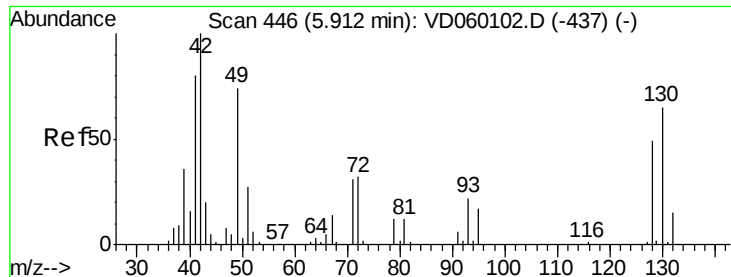


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

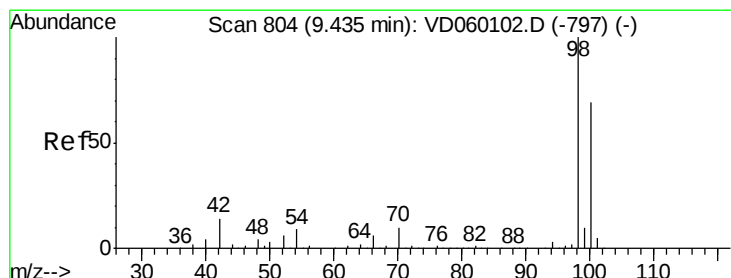
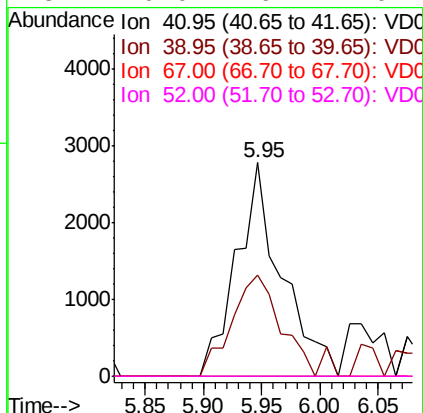
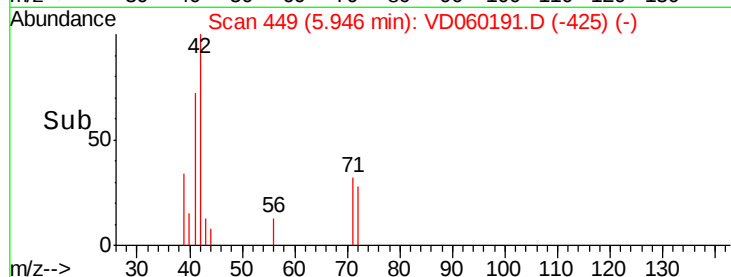
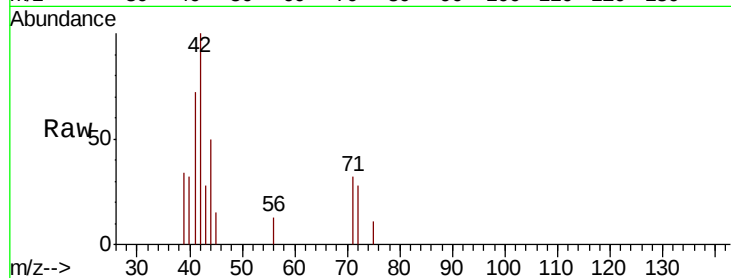




#41
Methacrylonitrile
Concen: 1.217 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.03 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

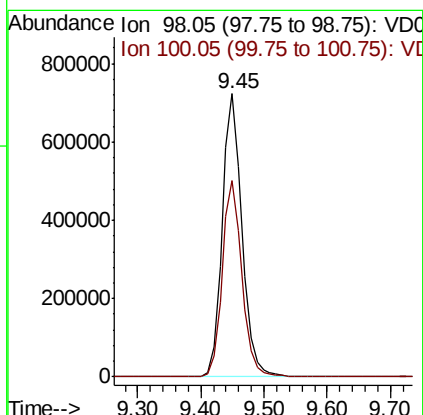
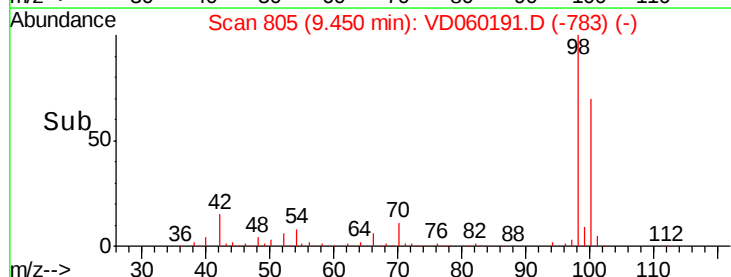
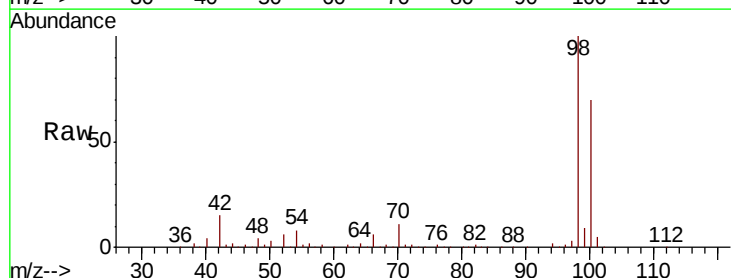
Instrument :
MSVOA_D
ClientSampleId :
VB44949

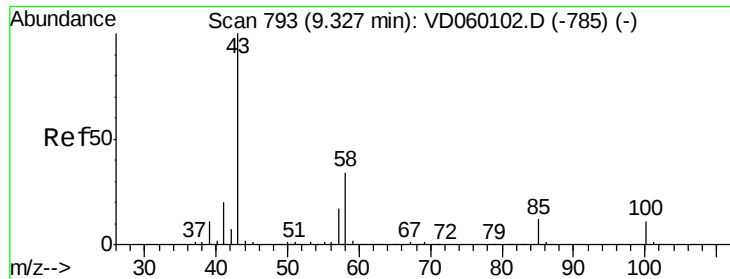
Tot Ion: 41 Resp: 7414
Ion Ratio Lower Upper
41 100
39 47.5 36.0 54.0
67 0.0 13.9 20.9#
52 0.0 6.1 9.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Tgt Ion: 98 Resp: 1572270
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 1.029 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

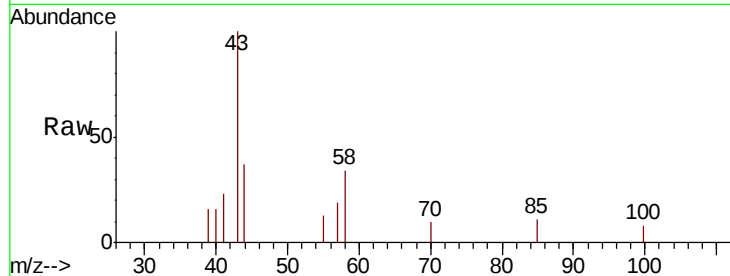
VB44949

Tot Ion: 43 Resp: 9200

Ion Ratio Lower Upper

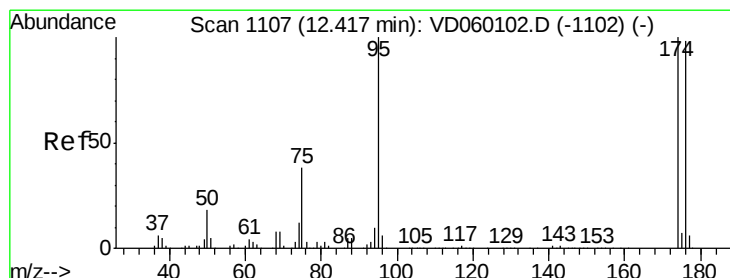
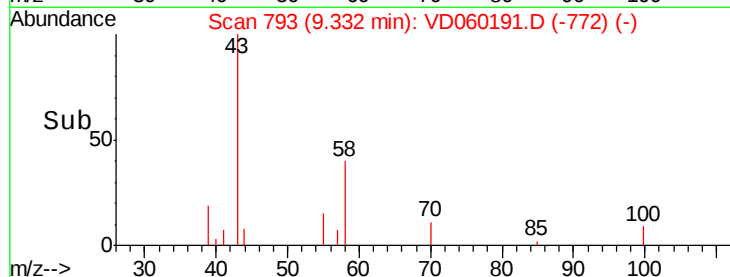
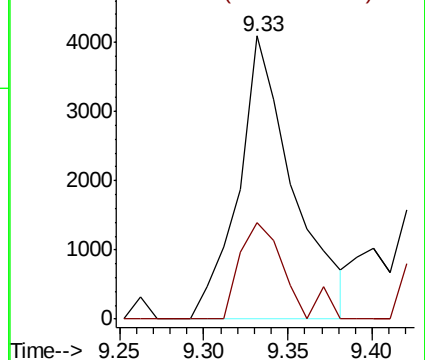
43 100

58 34.0 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

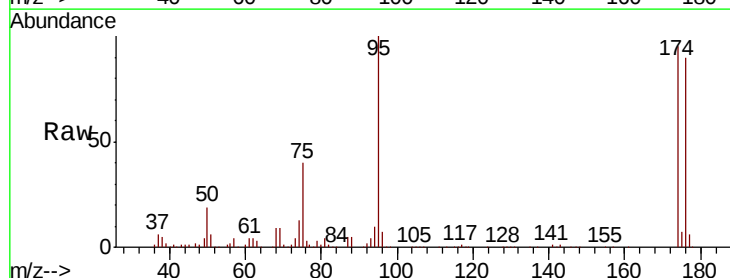
Tgt Ion: 95 Resp: 471300

Ion Ratio Lower Upper

95 100

174 94.9 0.0 200.2

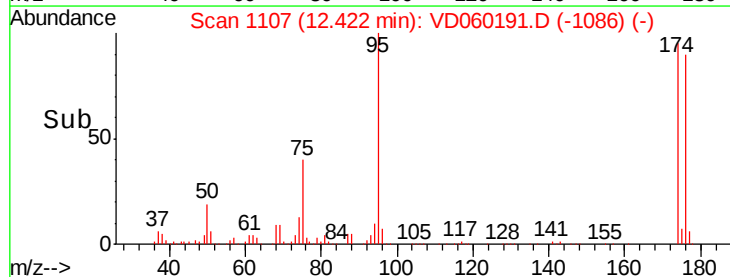
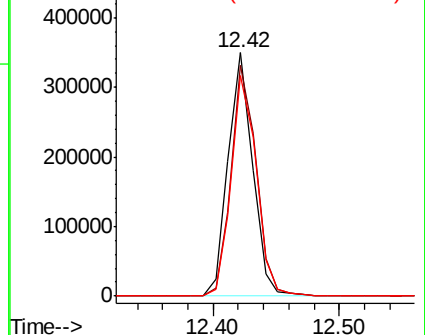
176 90.4 0.0 195.6

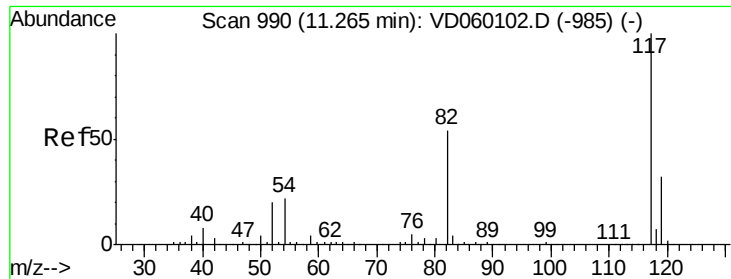


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

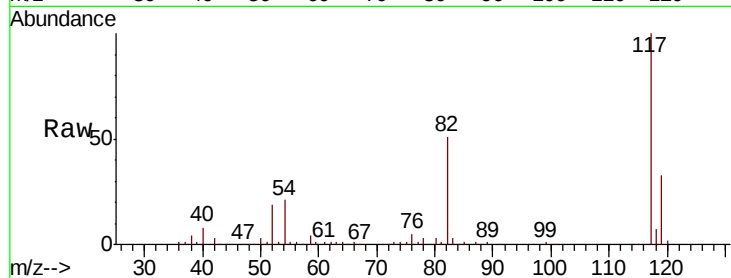




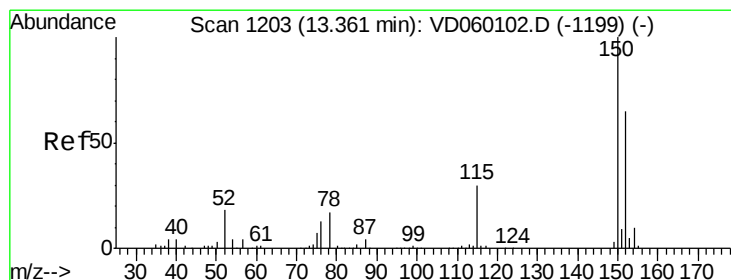
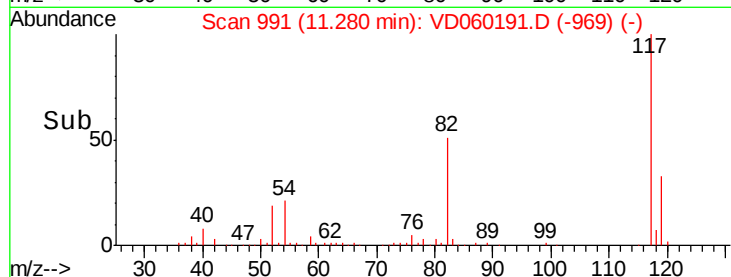
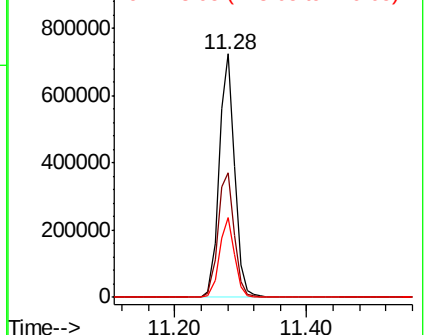
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Instrument :
MSVOA_D
ClientSampleID :
VB44949

Tot Ion:117 Resp: 1175916
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.2
119 32.6 26.0 39.0

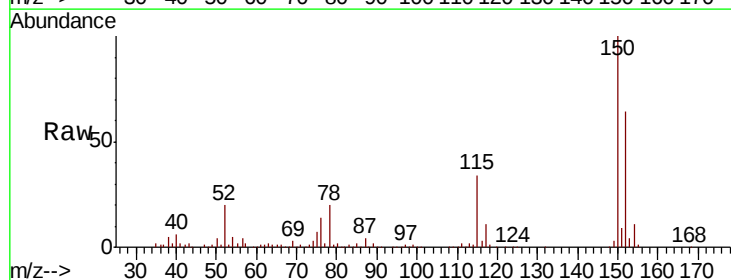


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

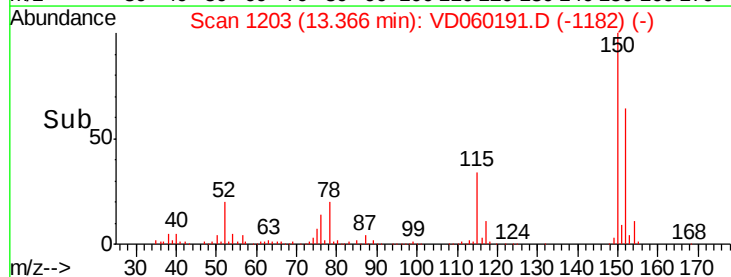
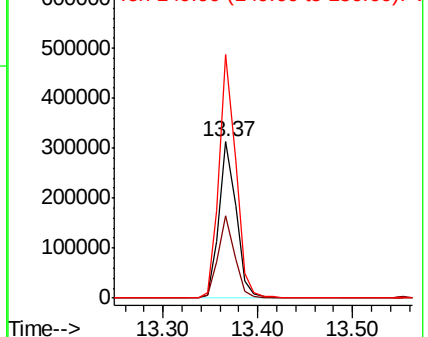


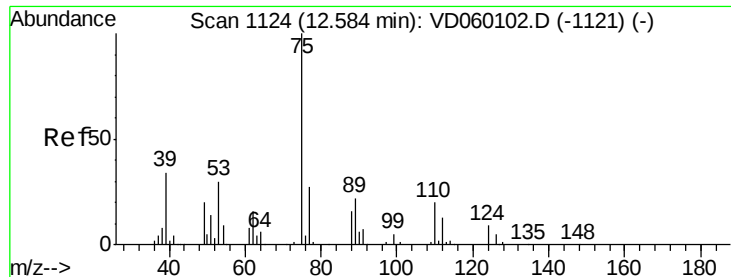
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060191.D
Acq: 24 Oct 2018 19:36

Tgt Ion:152 Resp: 396022
Ion Ratio Lower Upper
152 100
115 52.7 27.1 81.2
150 155.7 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: 31.928 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

Instrument :

MSVOA_D

ClientSampleId :

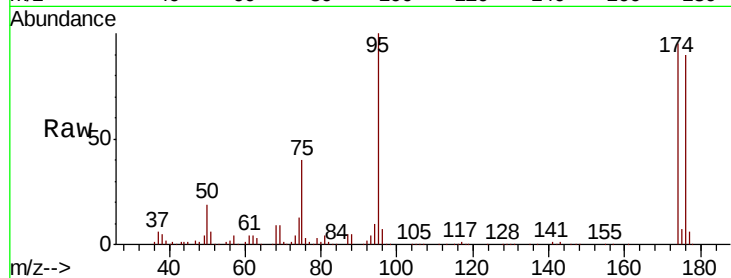
VB44949

Tot Ion: 75 Resp: 182093

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

12.42

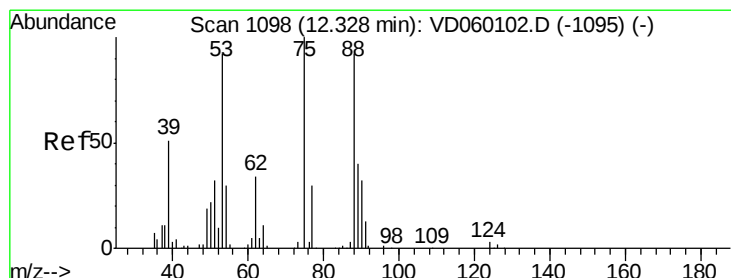
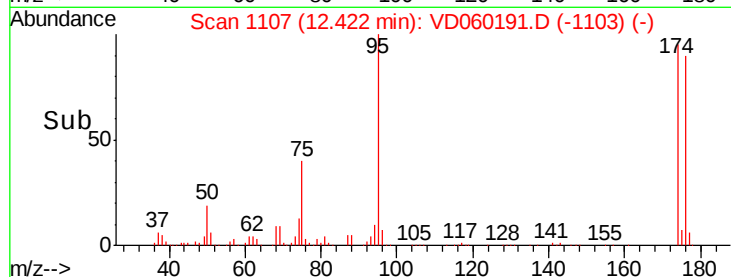
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.855 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060191.D

Acq: 24 Oct 2018 19:36

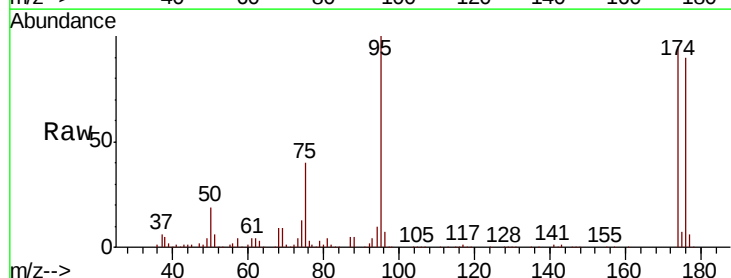
Tgt Ion: 75 Resp: 190469

Ion Ratio Lower Upper

75 100

53 0.4 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

150000

100000

50000

0

Time-->

