

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060520.D
 Acq On : 10 Dec 2018 13:01
 Operator : VA/AP
 Sample : J6196-03
 Misc : 7.01g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-120718-B

Quant Time: Dec 11 06:46:39 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	6.41	168	147695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	228442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	199285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	103898	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	73978	70.67	ug/l	0.00
Spiked Amount			Recovery	=	141.34%	
35) Dibromofluoromethane	6.32	113	80642	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	9.45	98	169191	34.84	ug/l	0.00
Spiked Amount			Recovery	=	69.68%	
62) 4-Bromofluorobenzene	12.43	95	78270	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

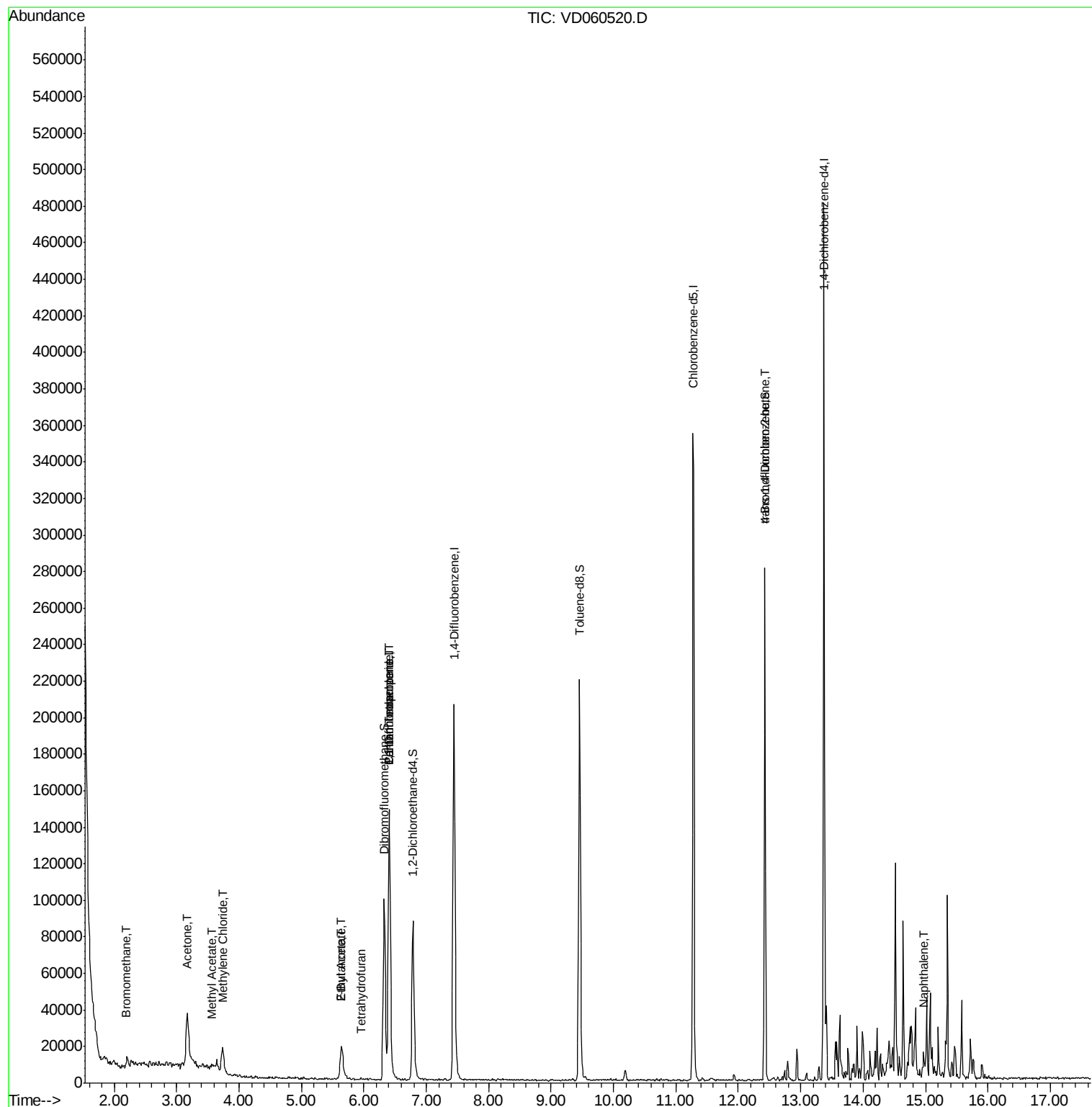
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	387	1.277	ug/l #	4
16) Acetone	3.17	43	70821	422.050	ug/l	98
18) Methyl Acetate	3.56	43	4555	11.422	ug/l #	64
20) Methylene Chloride	3.74	84	8758	1.330	ug/l #	80
25) 2-Butanone	5.63	43	11781	35.685	ug/l	95
29) Tetrahydrofuran	5.96	42	437	2.338	ug/l #	40
31) Cyclohexane	6.40	56	2737	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	9919	4.442	ug/l #	41
37) Ethyl Acetate	5.63	43	11781	12.165	ug/l #	68
38) Carbon Tetrachloride	6.40	117	11179	5.577	ug/l #	12
81) trans-1,4-Dichloro-2-buten	12.43	75	31694	96.530	ug/l #	14
95) Naphthalene	14.97	128	6570	2.471	ug/l	98

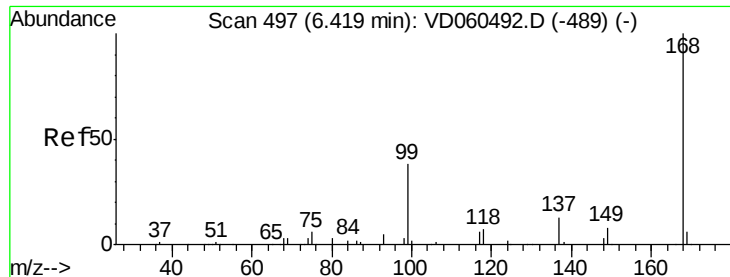
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

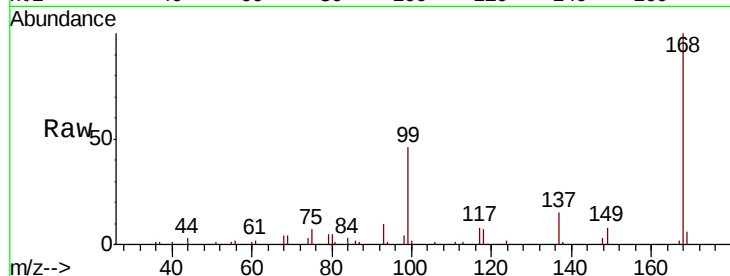
EO-03-120718-B

Tot Ion:168 Resp: 147695

Ion Ratio Lower Upper

168 100

99 46.1 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

50000

40000

30000

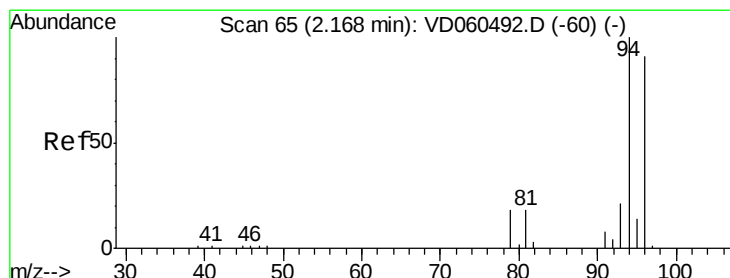
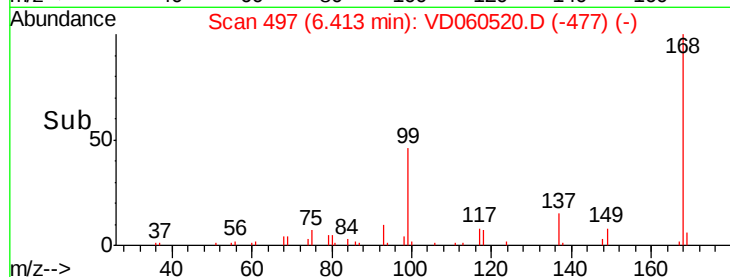
20000

10000

0

6.30 6.40 6.50 6.60

Time-->



#5

Bromomethane

Concen: 1.277 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.01 min

Lab File: VD060520.D

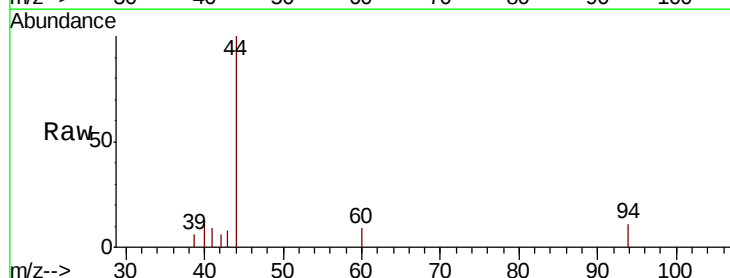
Acq: 10 Dec 2018 13:01

Tgt Ion: 94 Resp: 387

Ion Ratio Lower Upper

94 100

96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.18

600

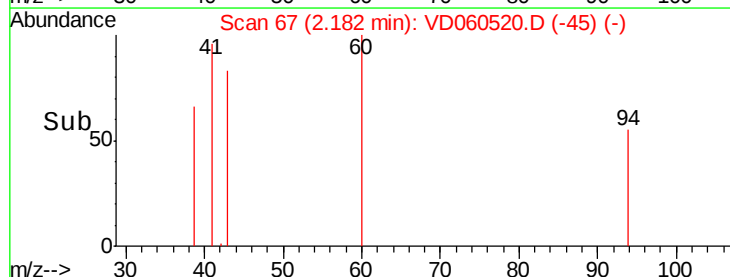
400

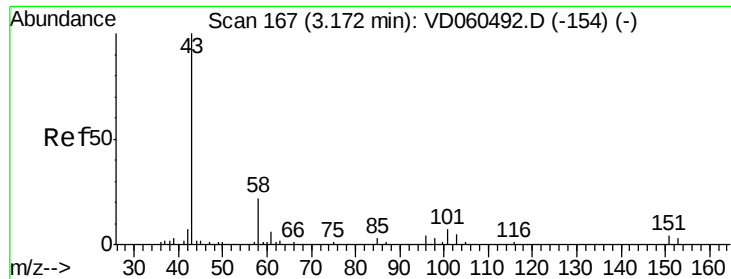
200

0

2.16 2.18 2.20

Time-->





#16

Acetone

Concen: 422.050 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

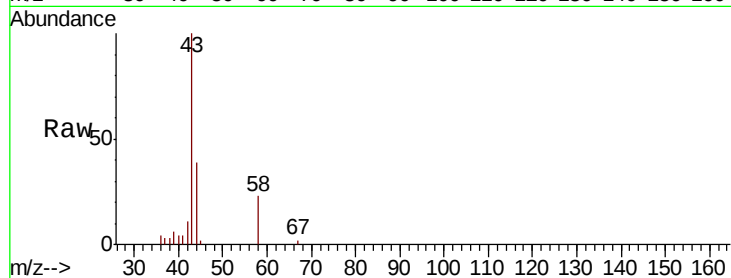
EO-03-120718-B

Tot Ion: 43 Resp: 70821

Ion Ratio Lower Upper

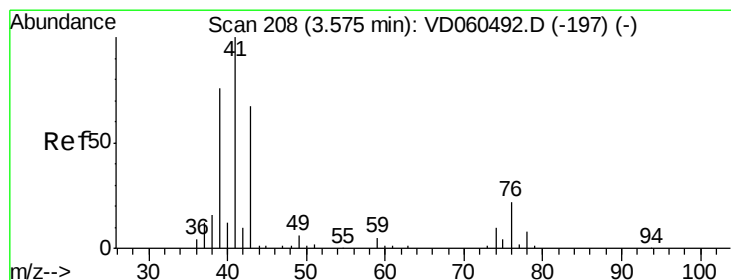
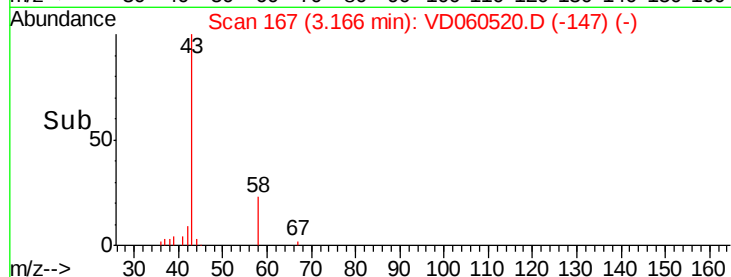
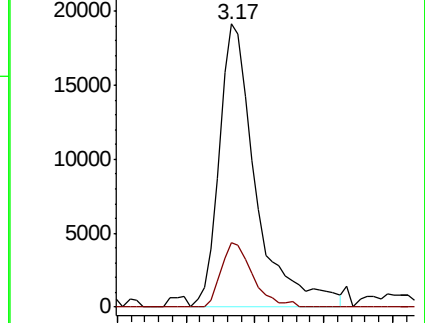
43 100

58 22.7 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 11.422 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.02 min

Lab File: VD060520.D

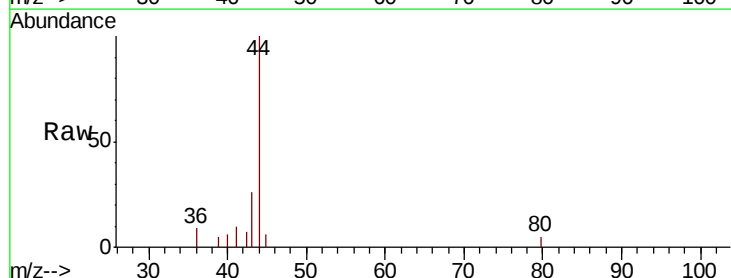
Acq: 10 Dec 2018 13:01

Tgt Ion: 43 Resp: 4555

Ion Ratio Lower Upper

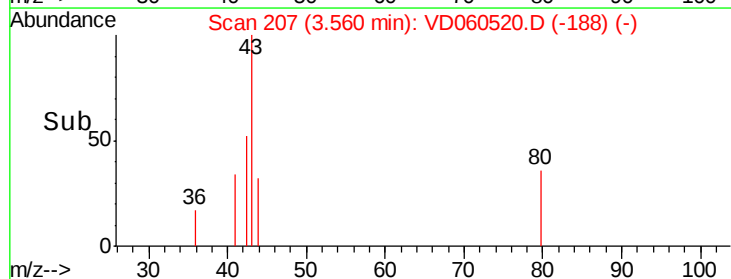
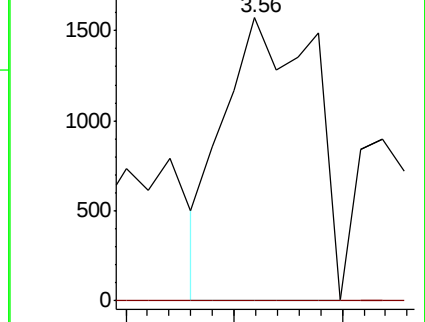
43 100

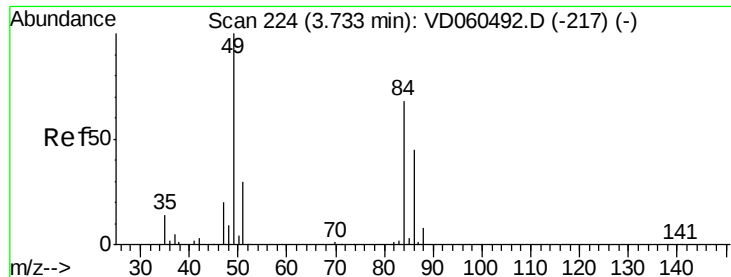
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

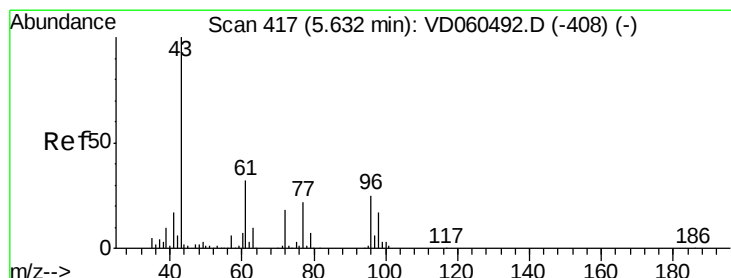
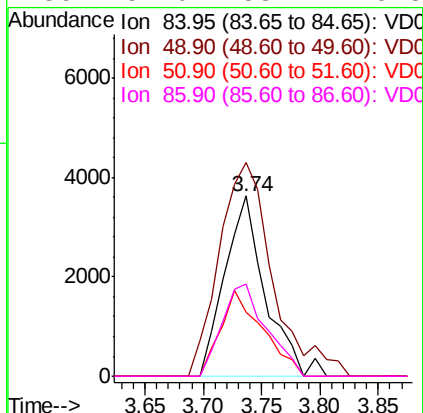
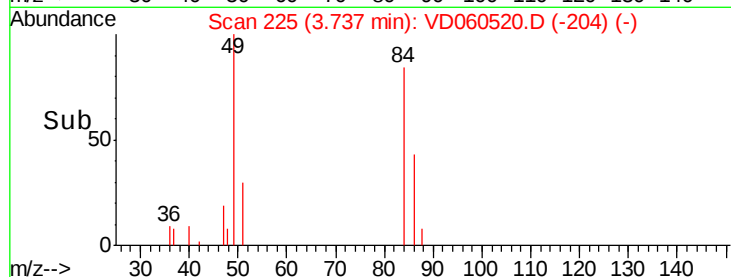
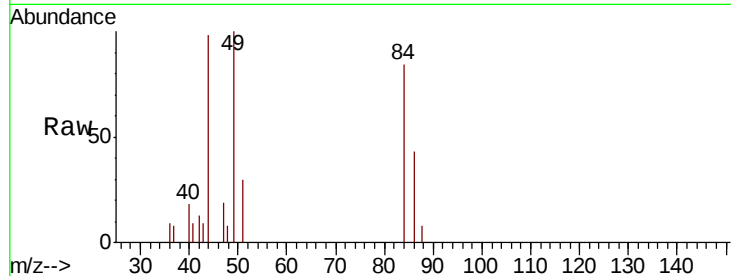




#20
Methvlene Chloride
Concen: 1.330 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

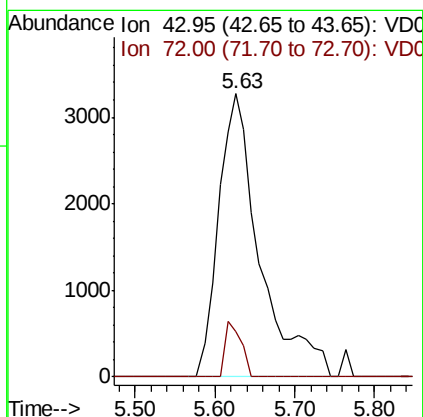
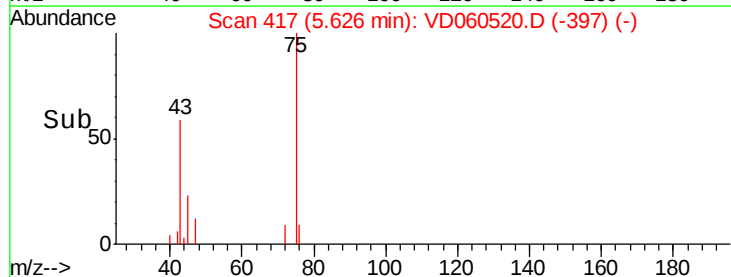
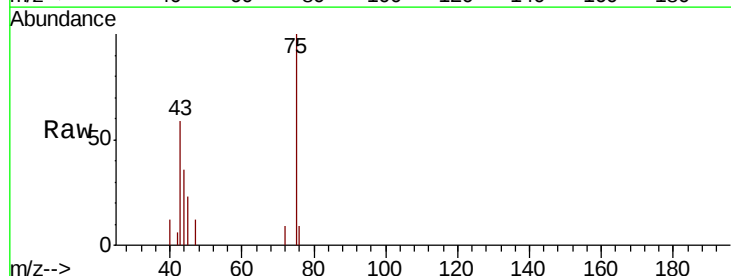
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-B

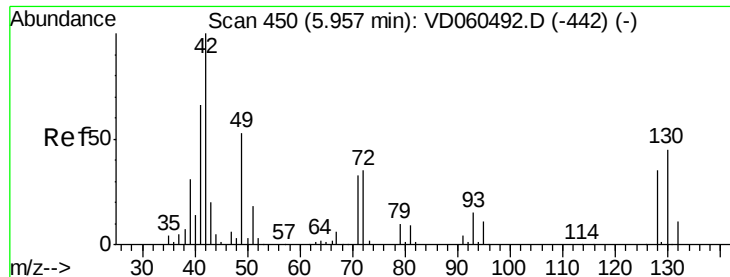
Tot Ion: 84 Resp: 8758
Ion Ratio Lower Upper
84 100
49 118.4 117.2 175.8
51 35.6 35.3 52.9
86 51.0 53.2 79.8#



#25
2-Butanone
Concen: 35.685 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Tgt Ion: 43 Resp: 11781
Ion Ratio Lower Upper
43 100
72 15.9 14.6 21.8

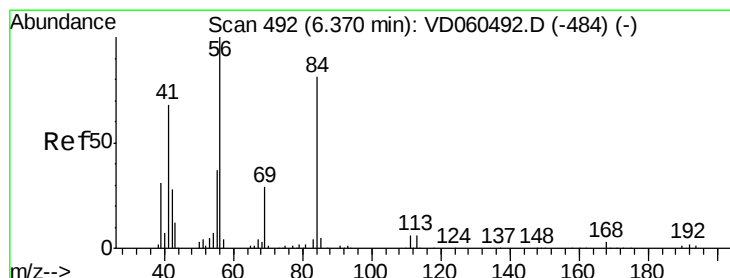
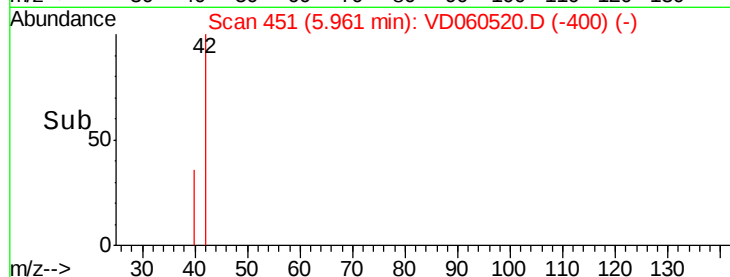
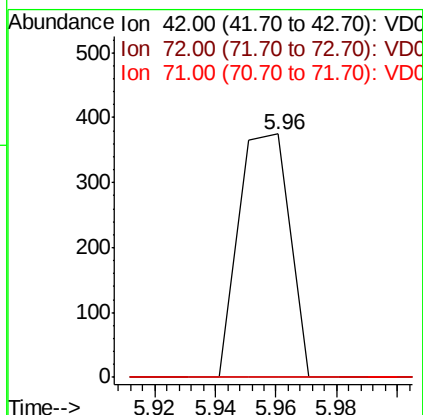
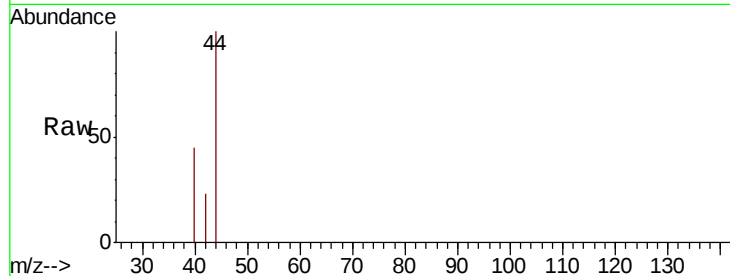




#29
Tetrahydrofuran
Concen: 2.338 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

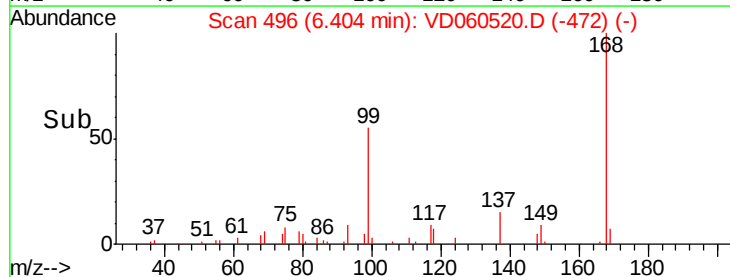
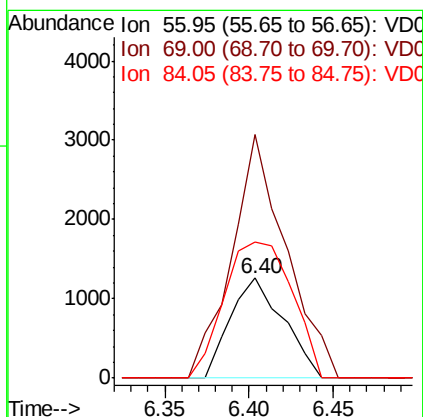
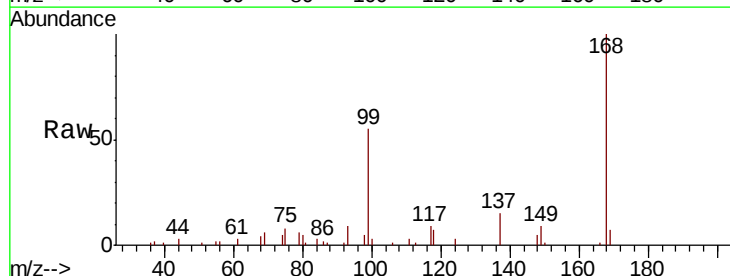
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-B

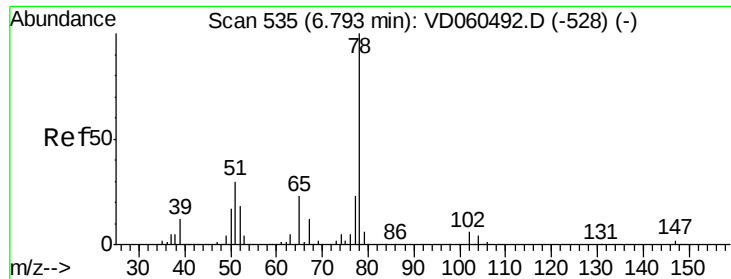
Tot Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Tgt Ion: 56 Resp: 2737
Ion Ratio Lower Upper
56 100
69 244.1 22.8 34.2#
84 136.4 65.1 97.7#

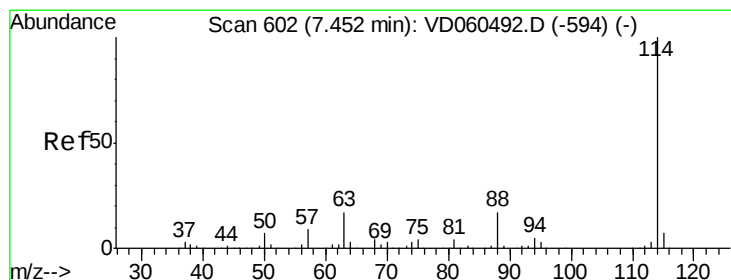
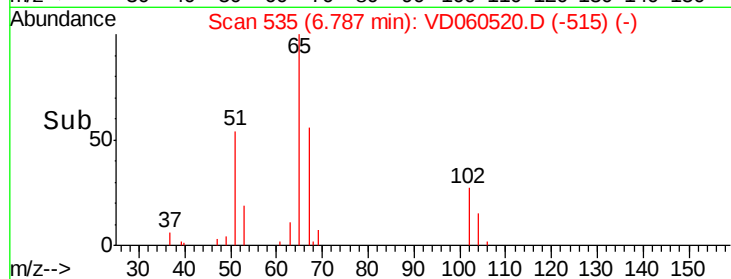
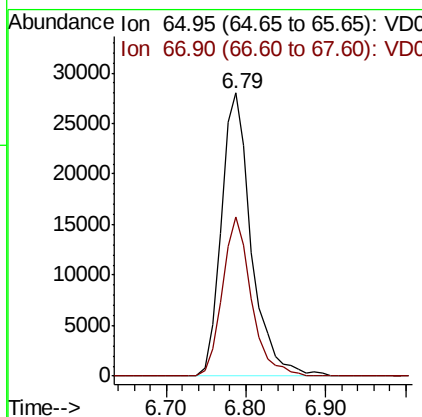
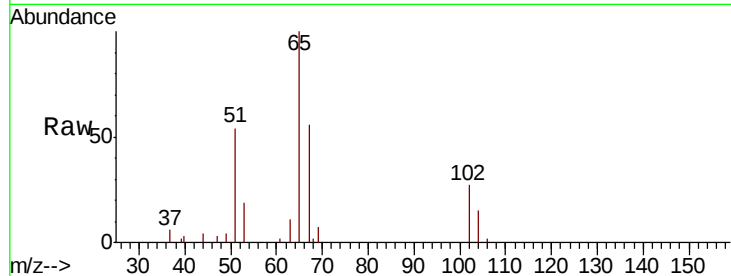




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060520.D
 Acq: 10 Dec 2018 13:01

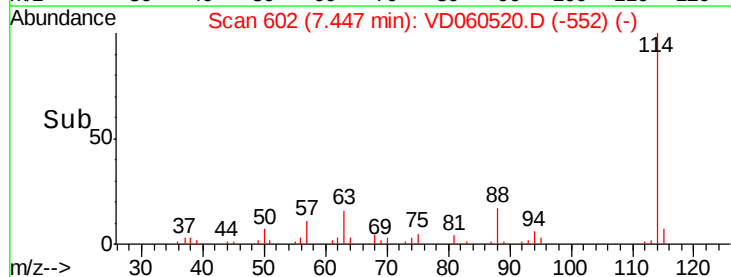
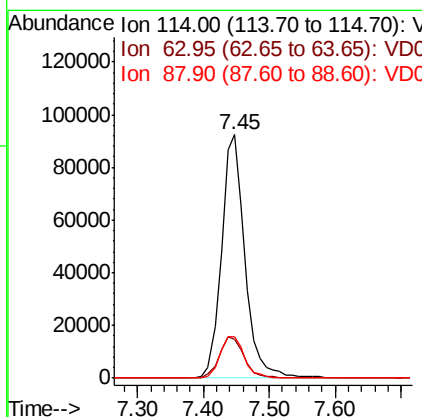
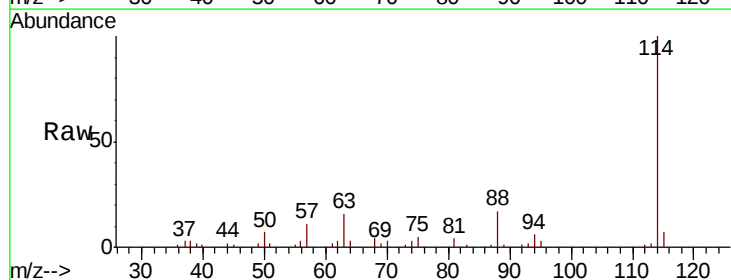
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-120718-B

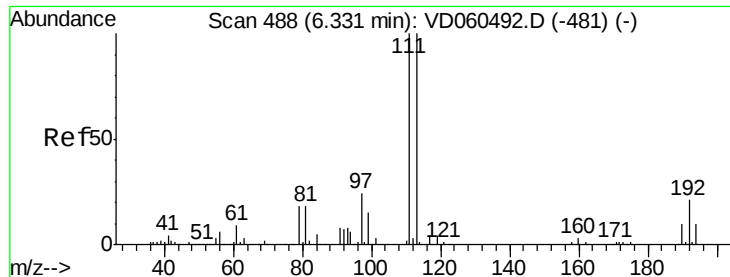
Tot Ion: 65 Resp: 73978
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060520.D
 Acq: 10 Dec 2018 13:01

Tgt Ion: 114 Resp: 228442
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 34.2
 88 17.1 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-B

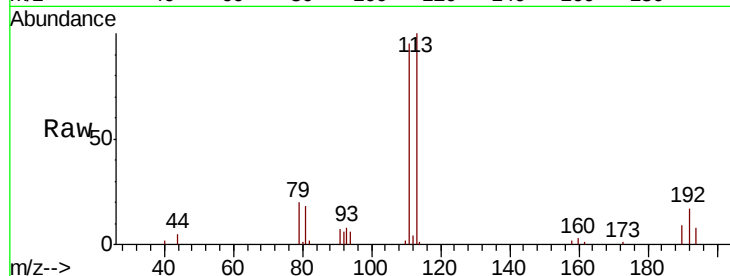
Tot Ion:113 Resp: 80642

Ion Ratio Lower Upper

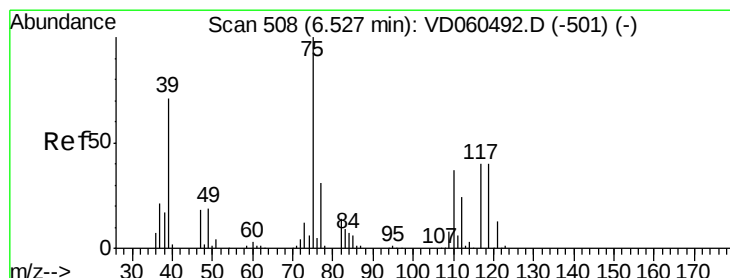
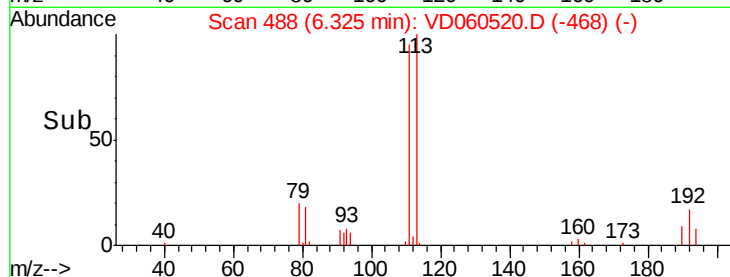
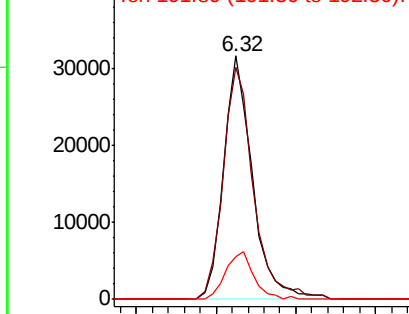
113 100

111 95.5 80.2 120.4

192 17.5 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: 4.442 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

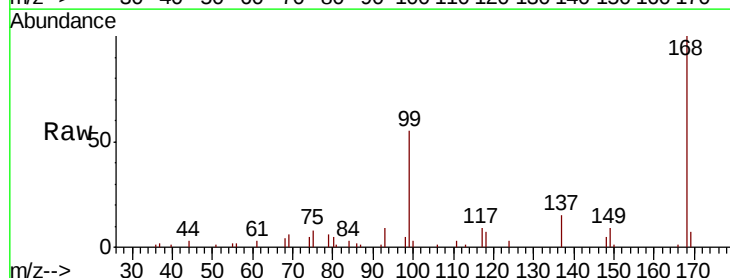
Tgt Ion: 75 Resp: 9919

Ion Ratio Lower Upper

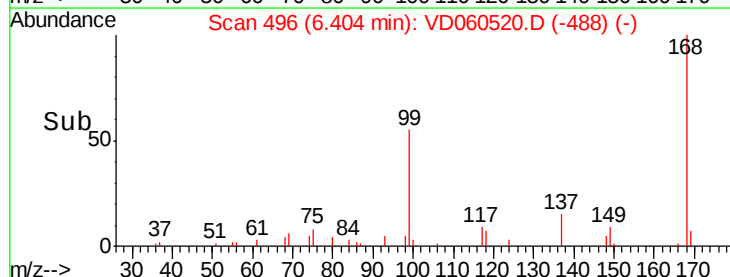
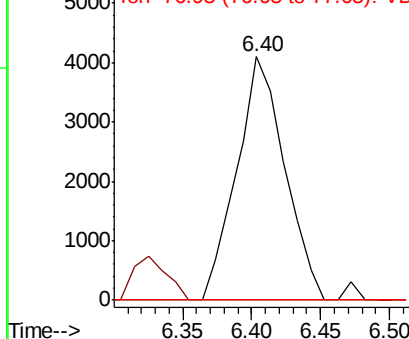
75 100

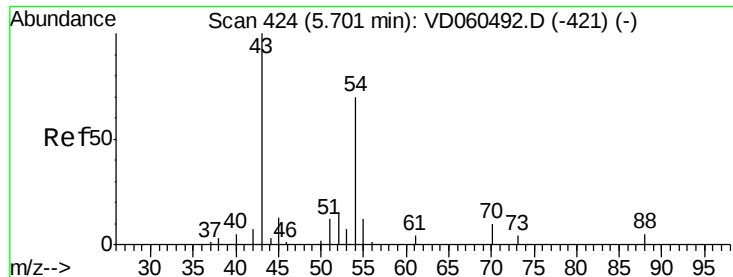
110 0.0 18.3 54.8#

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





#37

Ethyl Acetate

Concen: 12.165 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.07 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-B

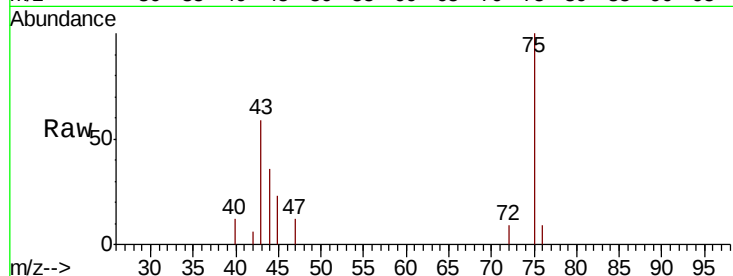
Tot Ion: 43 Resp: 11781

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

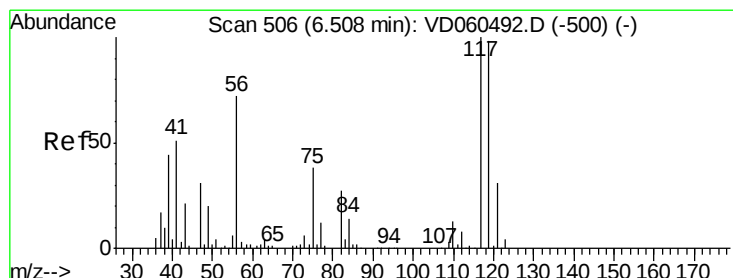
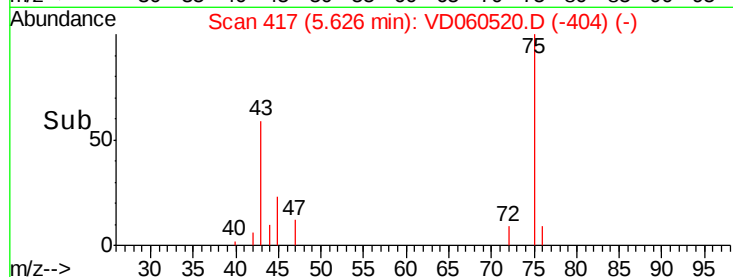
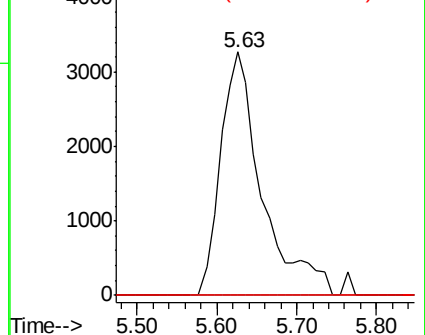
70 0.0 5.4 8.0#



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: 5.577 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

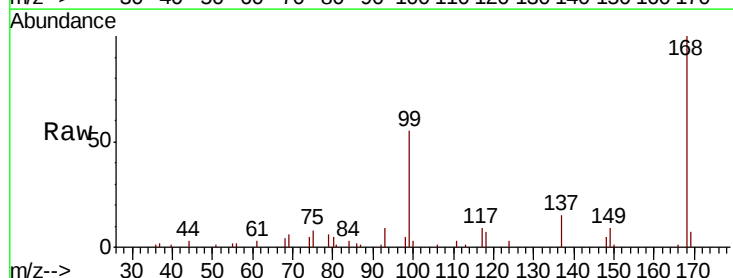
Tgt Ion: 117 Resp: 11179

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

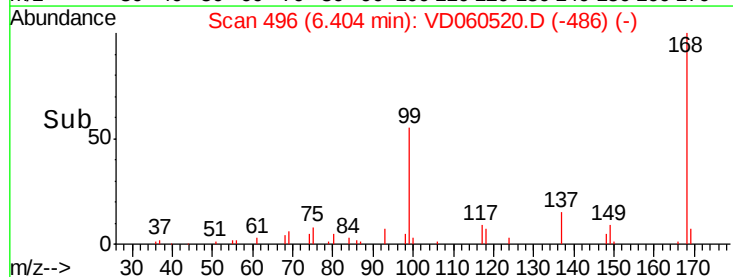
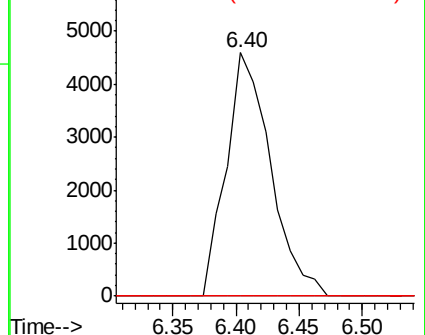
121 0.0 24.4 36.6#

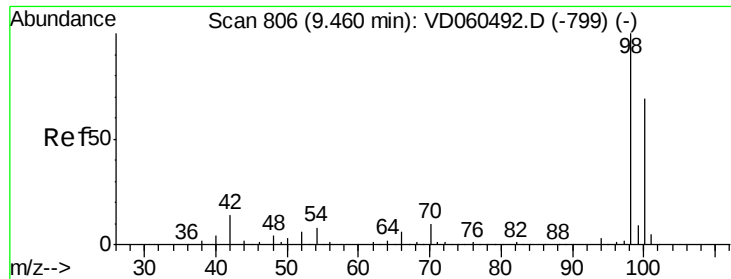


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

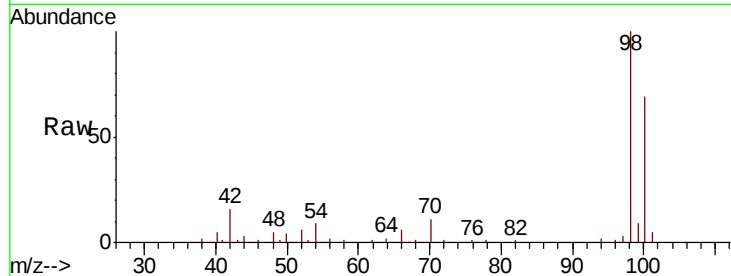
EO-03-120718-B

Tot Ion: 98 Resp: 169191

Ion Ratio Lower Upper

98 100

100 69.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)

Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

80000

60000

40000

20000

0

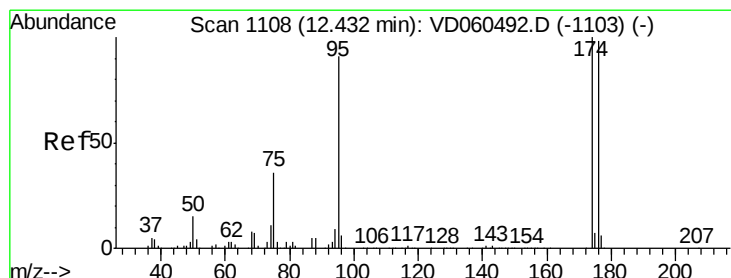
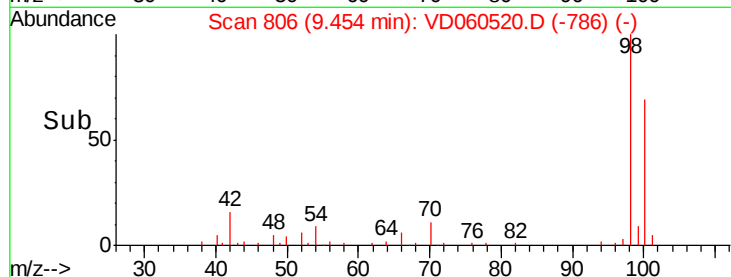
9.45

9.40

9.50

9.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060520.D

Acq: 10 Dec 2018 13:01

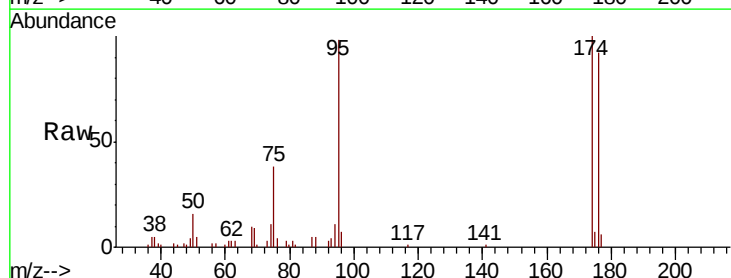
Tgt Ion: 95 Resp: 78270

Ion Ratio Lower Upper

95 100

174 101.7 0.0 219.4

176 93.9 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): VD060492.D (-1103) (-)

Ion 173.90 (173.60 to 174.60): VD060492.D (-1103) (-)

Ion 175.90 (175.60 to 176.60): VD060492.D (-1103) (-)

80000

60000

40000

20000

0

12.43

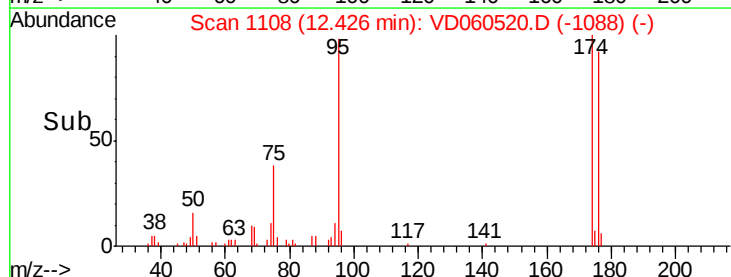
12.35

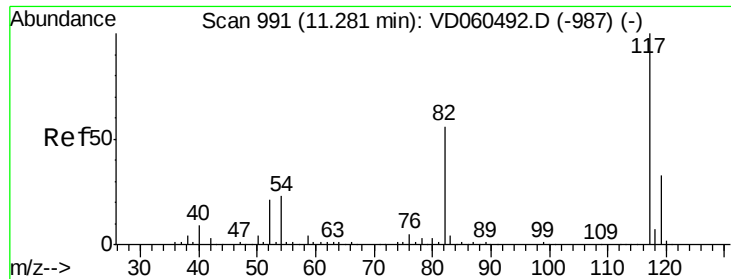
12.40

12.45

12.50

Time-->

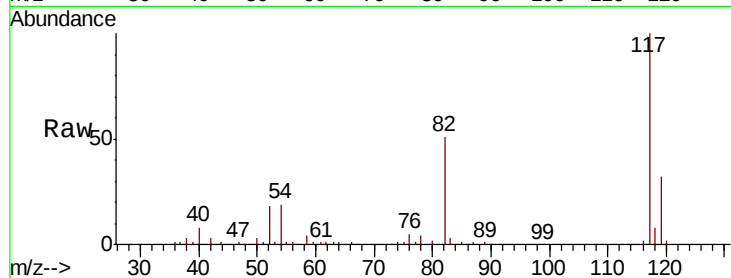




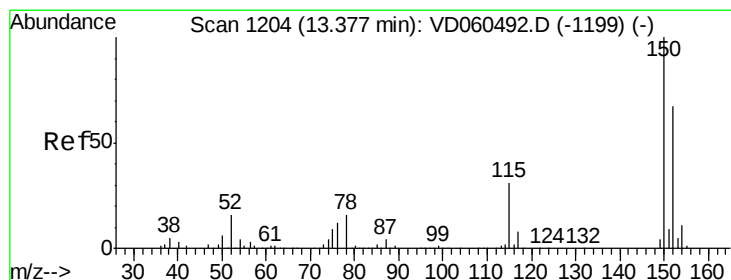
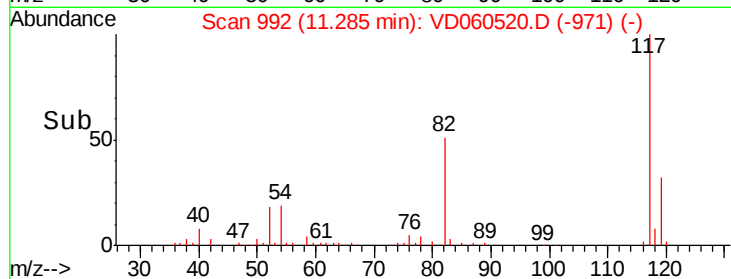
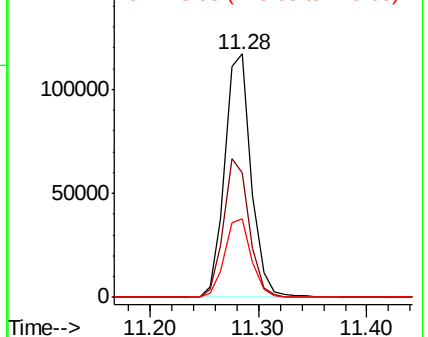
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-B

Tot Ion:117 Resp: 199285
Ion Ratio Lower Upper
117 100
82 51.1 45.2 67.8
119 32.0 26.1 39.1

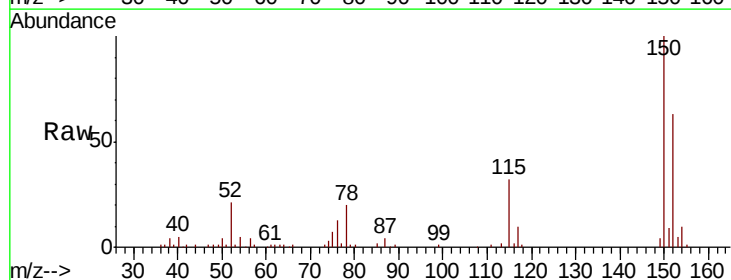


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

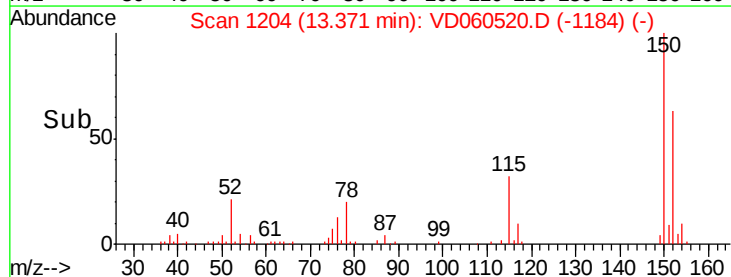
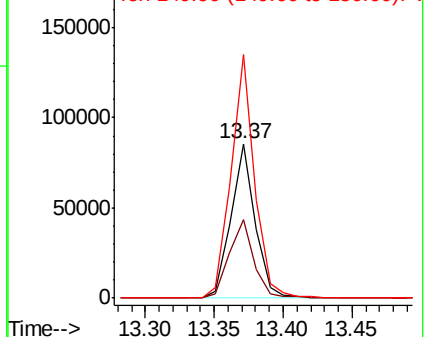


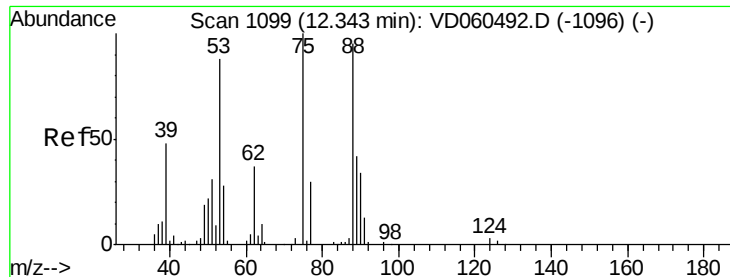
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Tgt Ion:152 Resp: 103898
Ion Ratio Lower Upper
152 100
115 51.4 24.6 74.0
150 158.1 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

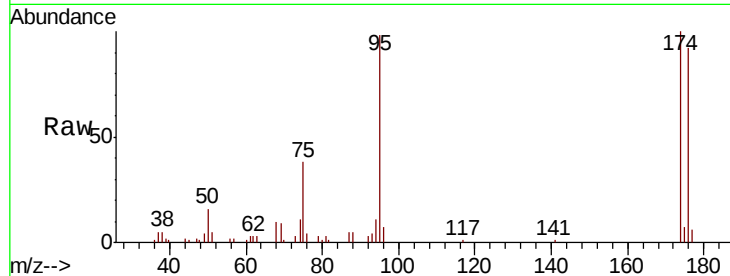




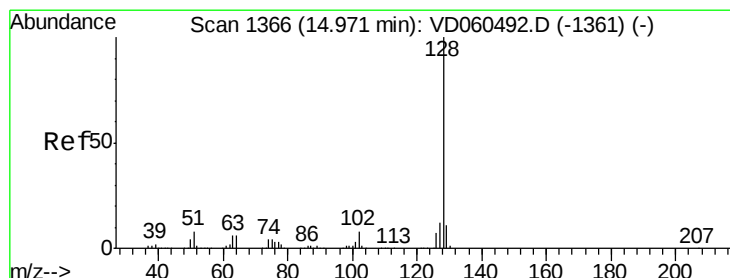
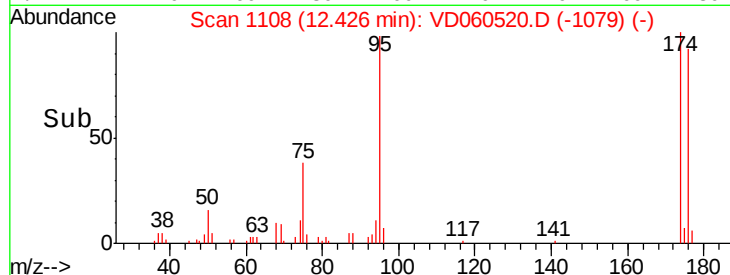
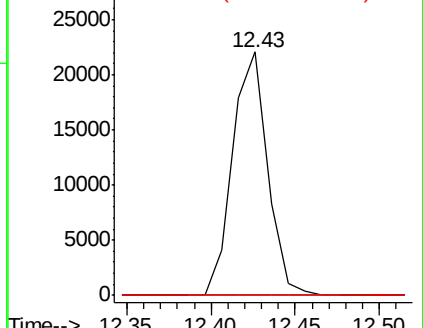
#81
trans-1,4-Dichloro-2-butene
Concen: 96.530 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-B

Tot Ion: 75 Resp: 31694
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 33.6 50.4#

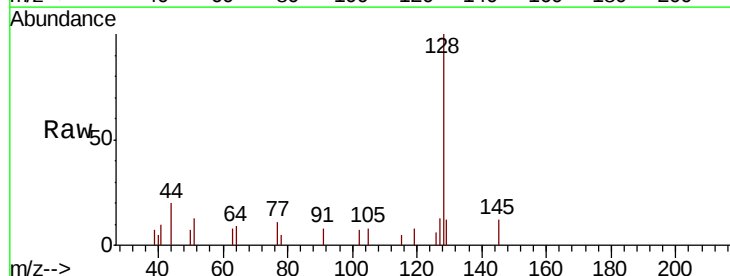


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 2.471 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060520.D
Acq: 10 Dec 2018 13:01

Tgt Ion:128 Resp: 6570
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.8
129 11.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

