

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060521.D
 Acq On : 10 Dec 2018 13:29
 Operator : VA/AP
 Sample : J6196-05
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 11 06:46:51 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	1220984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1770418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1453196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	711651	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	427784	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	6.33	113	554251	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	
50) Toluene-d8	9.45	98	1389655	36.93	ug/l	0.00
Spiked Amount			Recovery	=	73.86%	
62) 4-Bromofluorobenzene	12.43	95	550952	40.92	ug/l	0.00
Spiked Amount			Recovery	=	81.84%	

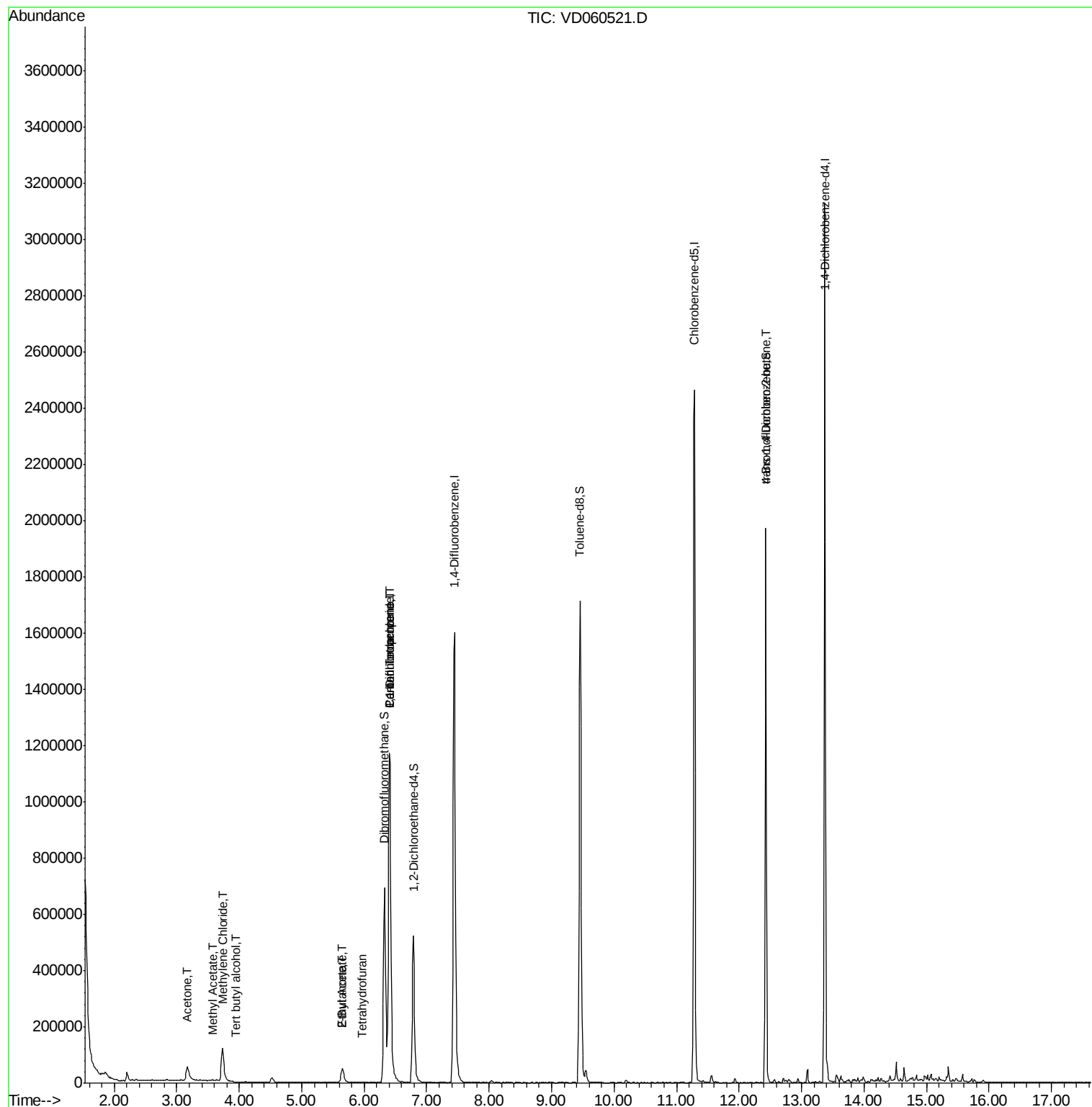
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	893	Below Cal	#	41
11) Tert butyl alcohol	3.94	59	1133	3.222	ug/l #	73
16) Acetone	3.17	43	125578	90.526	ug/l	98
18) Methyl Acetate	3.57	43	9793	2.970	ug/l	94
20) Methylene Chloride	3.74	84	81093	2.080	ug/l	99
25) 2-Butanone	5.63	43	9500	3.481	ug/l	93
29) Tetrahydrofuran	5.97	42	1708	1.105	ug/l #	50
31) Cyclohexane	6.40	56	24392	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	87255	5.042	ug/l #	47
37) Ethyl Acetate	5.63	43	9500	1.266	ug/l #	68
38) Carbon Tetrachloride	6.40	117	97259	6.260	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.43	75	219323	97.523	ug/l #	14
89) n-Butylbenzene	13.65	91	5827	Below Cal		90

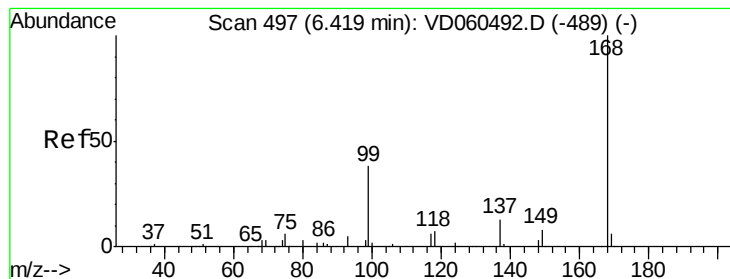
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

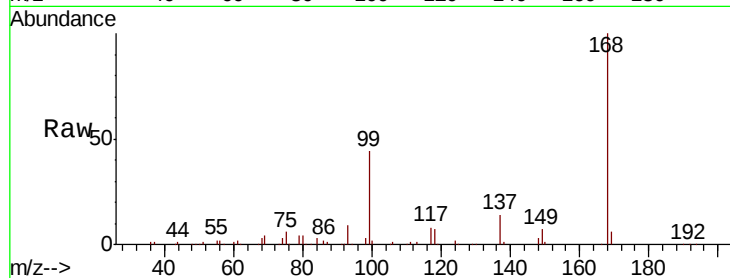
EO-03-120718-C

Tot Ion:168 Resp: 1220984

Ion Ratio Lower Upper

168 100

99 44.0 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

400000

300000

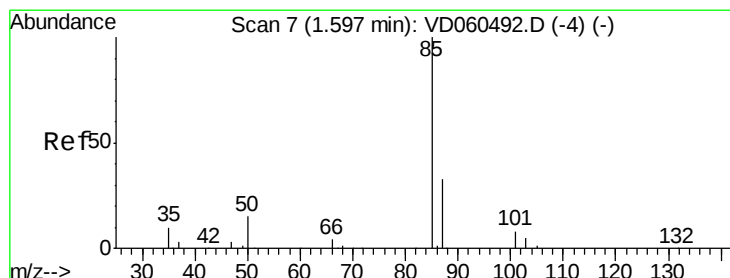
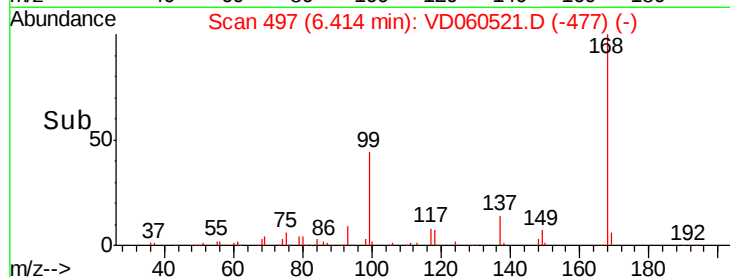
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060521.D

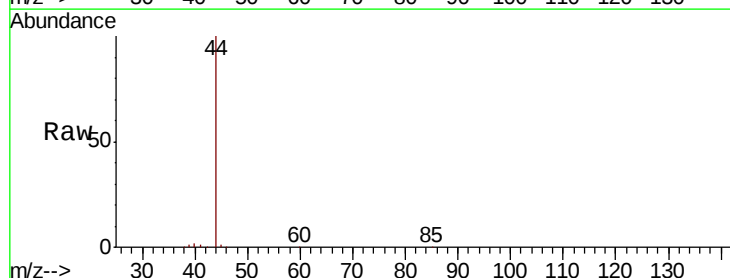
Acq: 10 Dec 2018 13:29

Tgt Ion: 85 Resp: 893

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

800

600

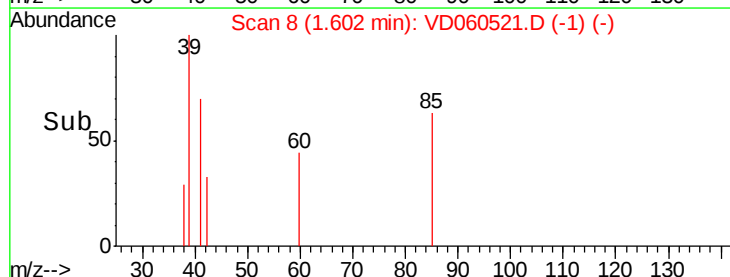
400

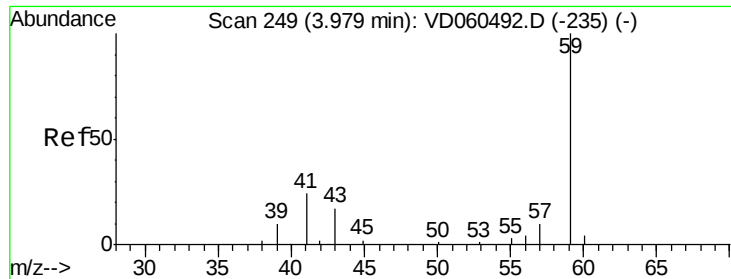
200

0

1.55 1.60 1.65

Time-->

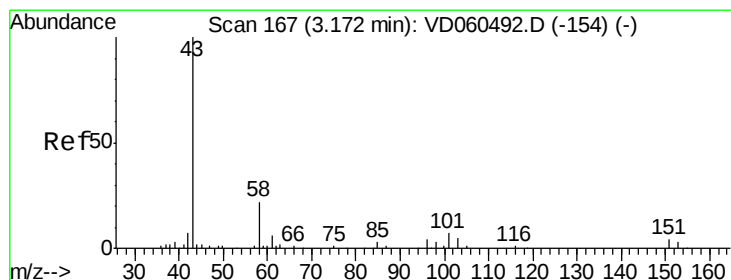
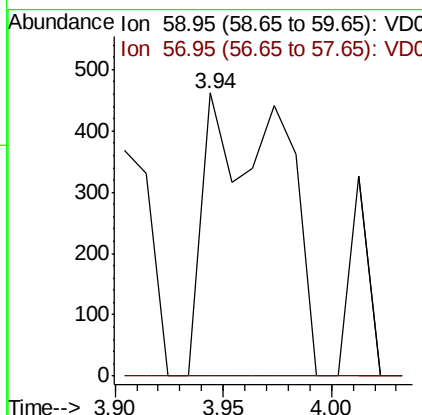
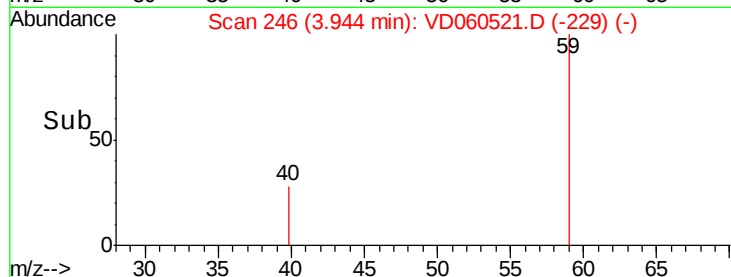
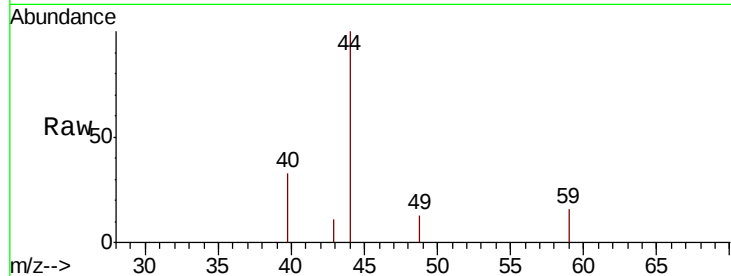




#11
Tert butyl alcohol
Concen: 3.222 ug/l
RT: 3.94 min Scan# 246
Delta R.T. -0.03 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

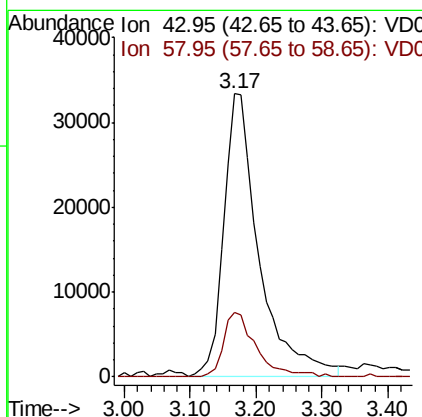
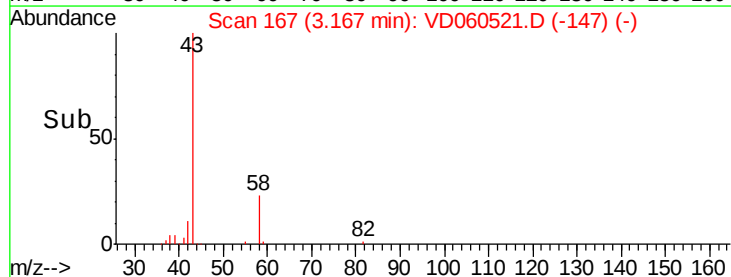
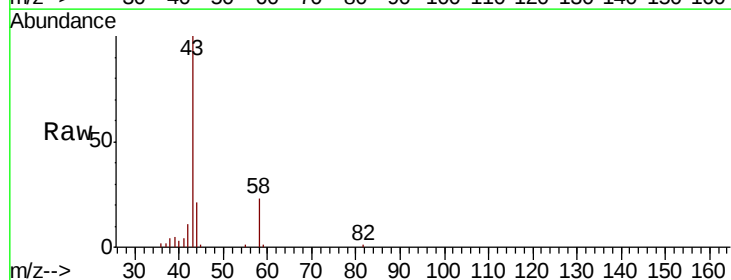
Instrument :
MSVOA_D
ClientSampleID :
EO-03-120718-C

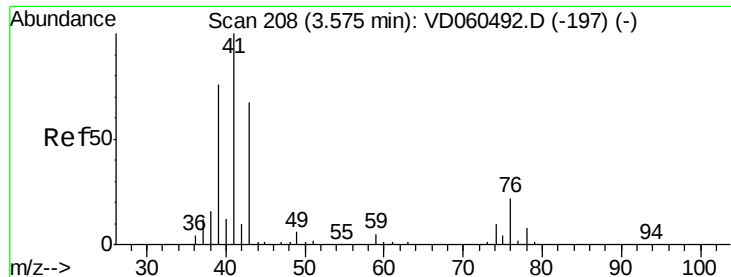
Tot Ion: 59 Resp: 1133
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 90.526 ug/l
RT: 3.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

Tgt Ion: 43 Resp: 125578
Ion Ratio Lower Upper
43 100
58 22.8 17.3 25.9

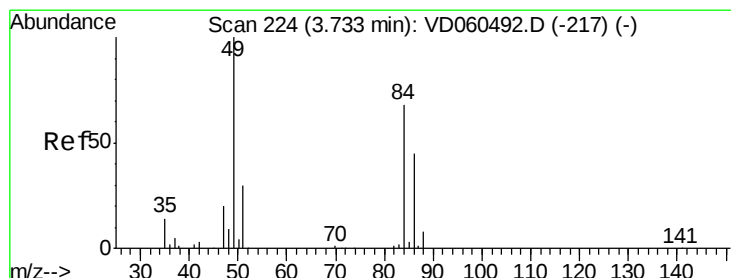
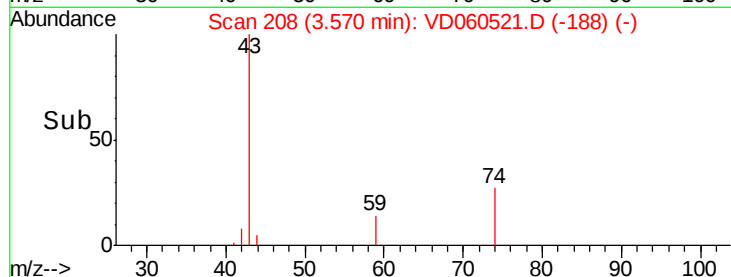
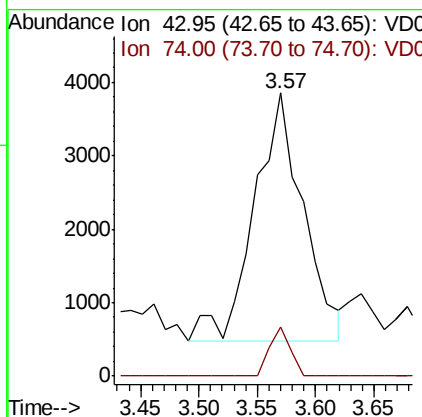
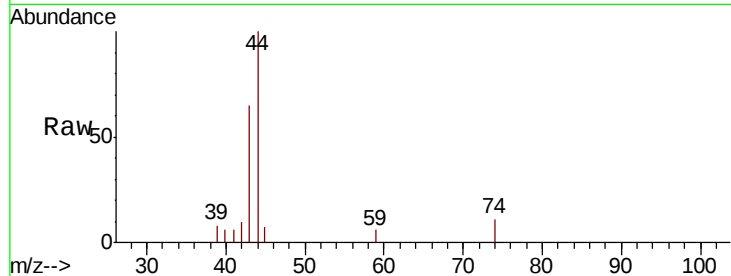




#18
Methvl Acetate
Concen: 2.970 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

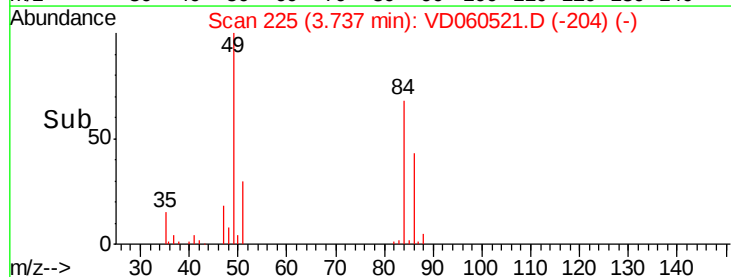
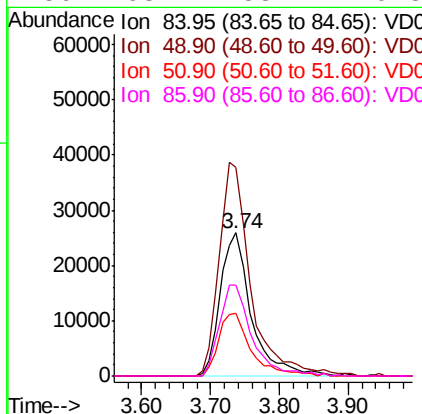
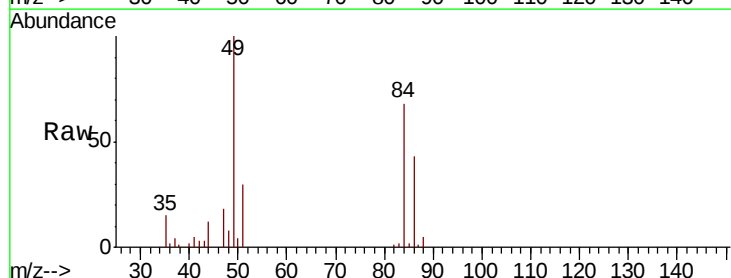
Instrument :
MSVOA_D
ClientSampleId :
EO-03-120718-C

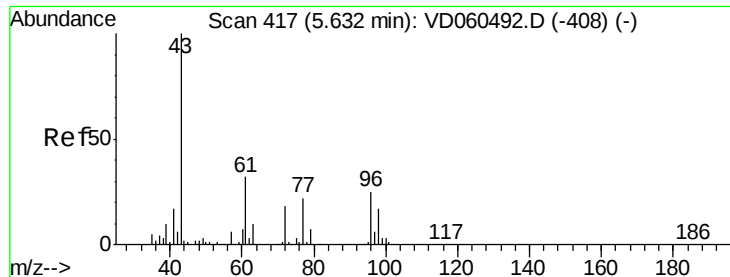
Tot Ion: 43 Resp: 9793
Ion Ratio Lower Upper
43 100
74 17.4 12.0 18.0



#20
Methylene Chloride
Concen: 2.080 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

Tgt Ion: 84 Resp: 81093
Ion Ratio Lower Upper
84 100
49 146.2 117.2 175.8
51 43.5 35.3 52.9
86 63.2 53.2 79.8





#25

2-Butanone

Concen: 3.481 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

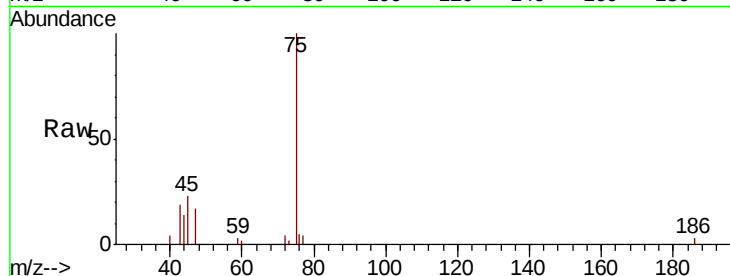
EO-03-120718-C

Tot Ion: 43 Resp: 9500

Ion Ratio Lower Upper

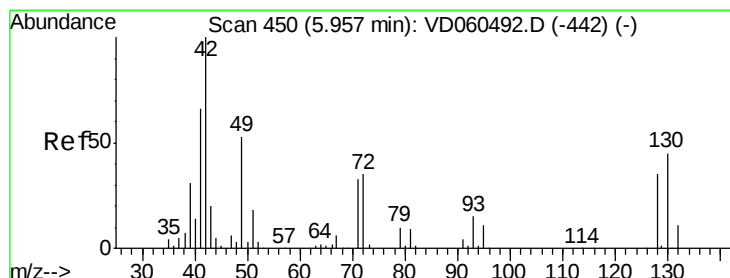
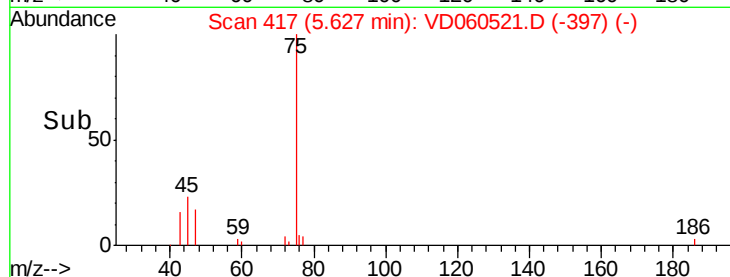
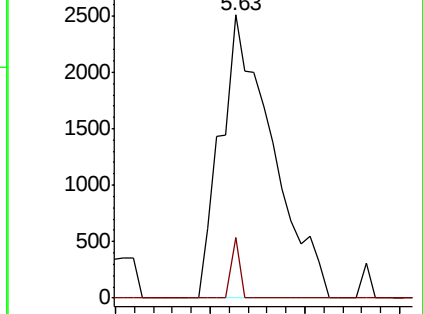
43 100

72 21.4 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.105 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

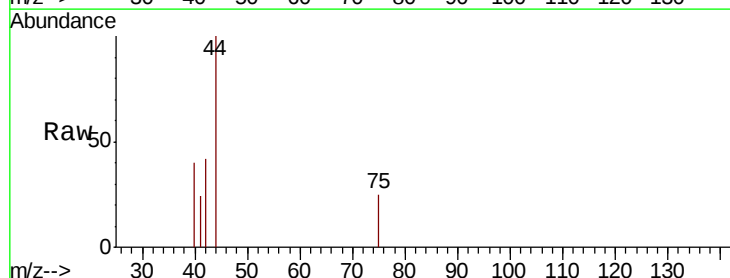
Tgt Ion: 42 Resp: 1708

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

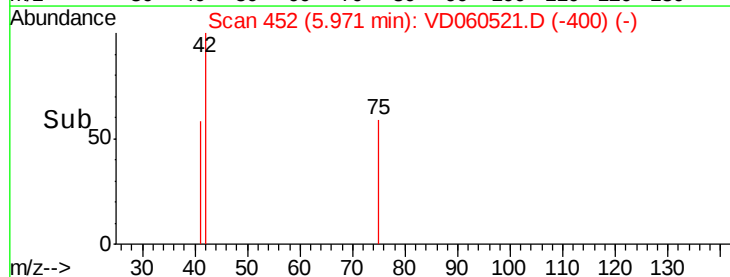
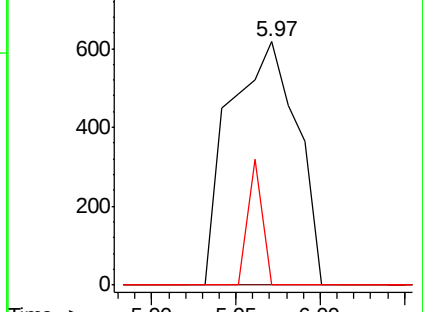
71 11.0 27.2 40.8#

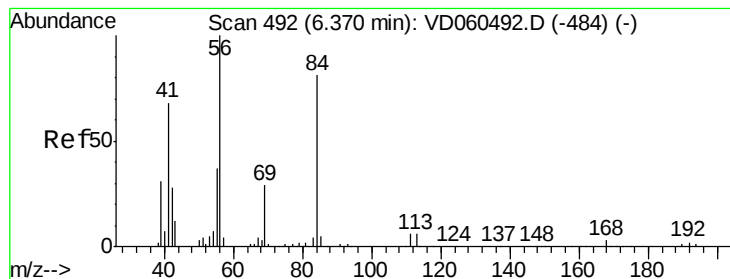


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-C

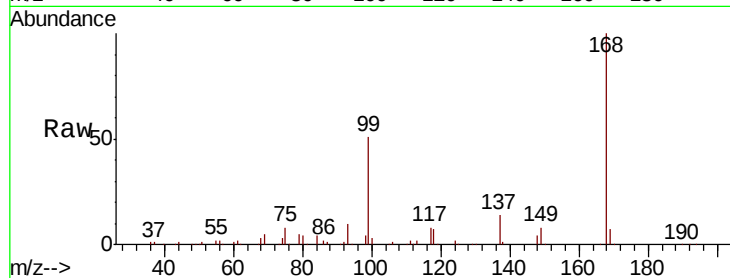
Tot Ion: 56 Resp: 24392

Ion Ratio Lower Upper

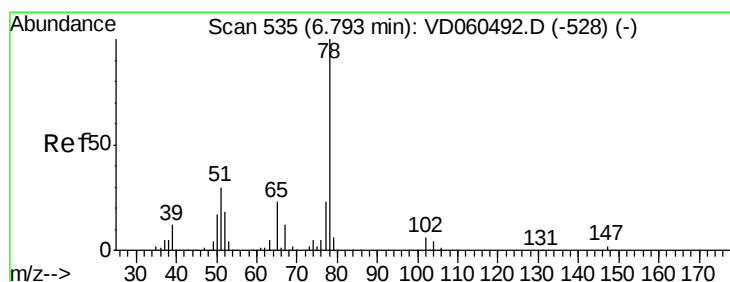
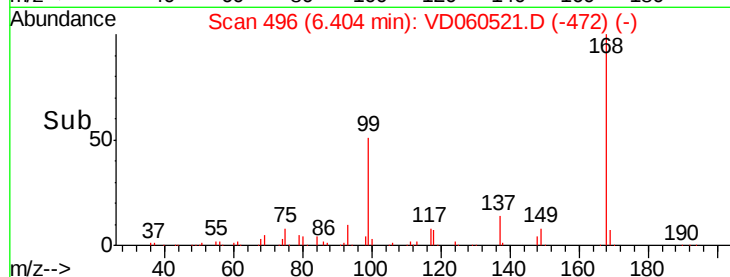
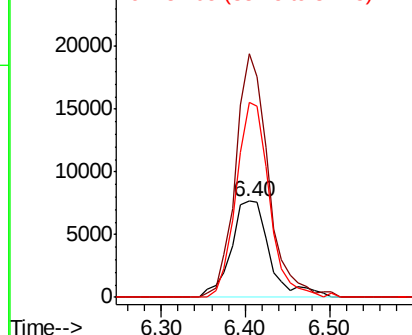
56 100

69 254.2 22.8 34.2#

84 203.1 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: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060521.D

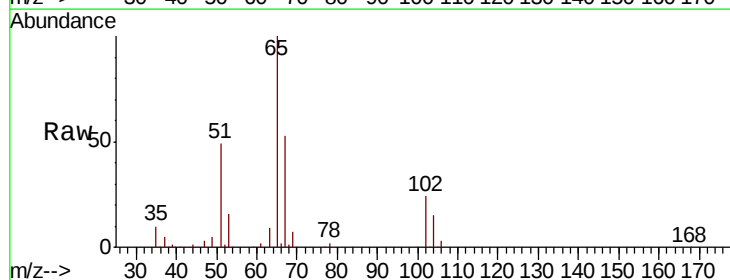
Acq: 10 Dec 2018 13:29

Tgt Ion: 65 Resp: 427784

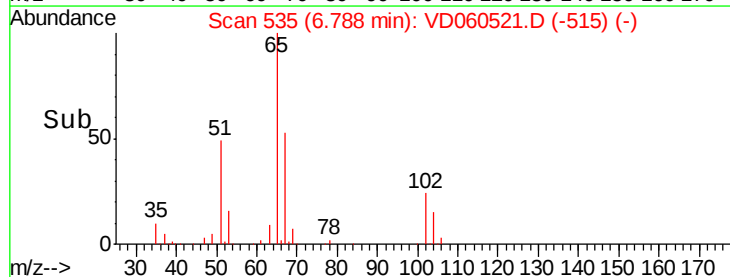
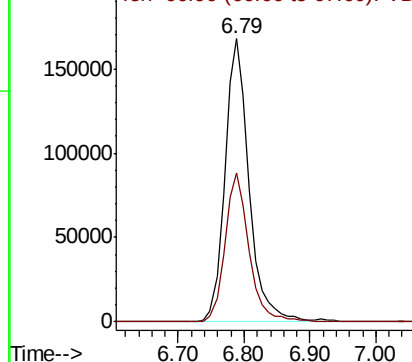
Ion Ratio Lower Upper

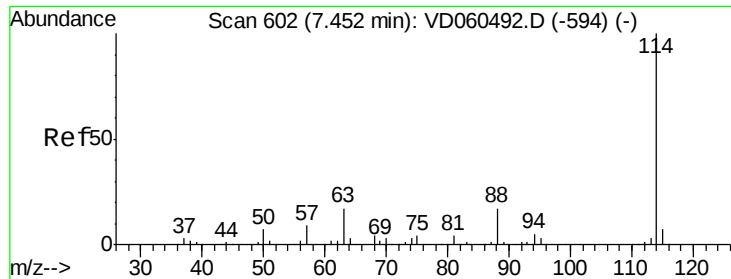
65 100

67 52.5 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

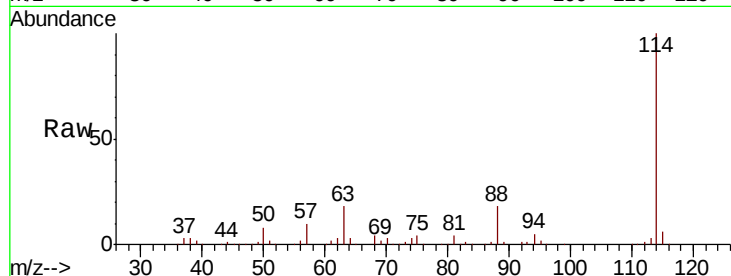




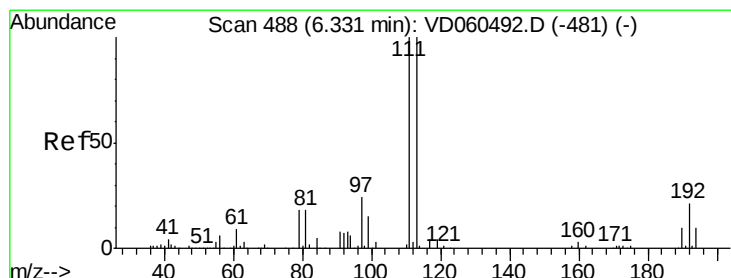
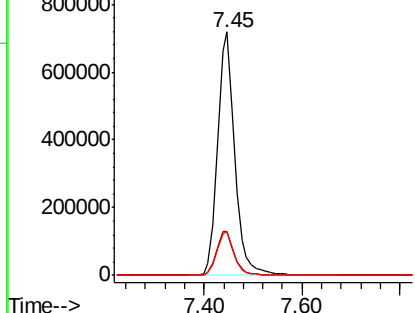
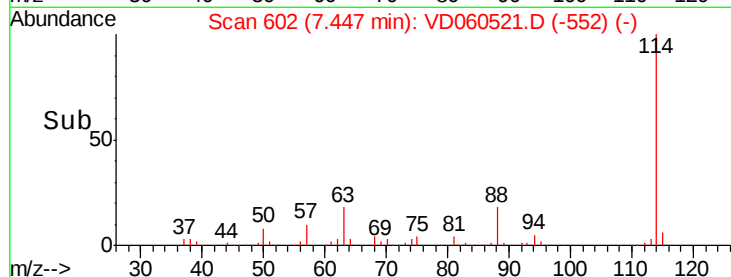
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060521.D
 Acq: 10 Dec 2018 13:29

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

Tot Ion:114 Resp: 1770418
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.2
 88 18.0 0.0 35.0

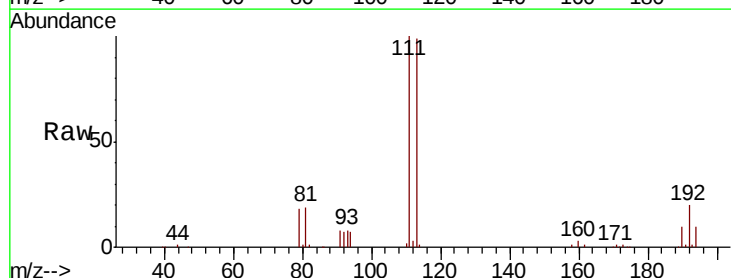


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

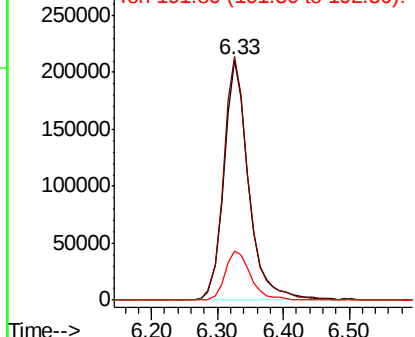
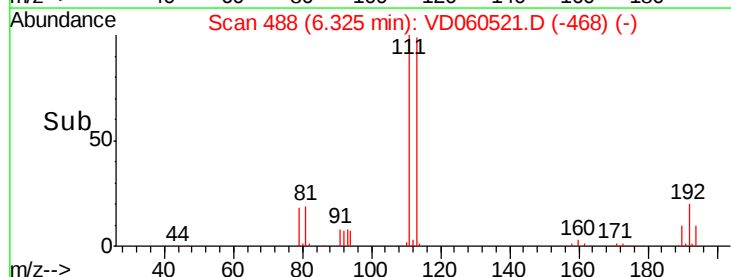


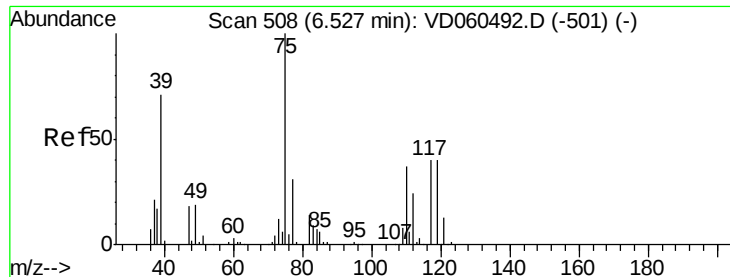
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060521.D
 Acq: 10 Dec 2018 13:29

Tgt Ion:113 Resp: 554251
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.2 120.4
 192 20.5 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

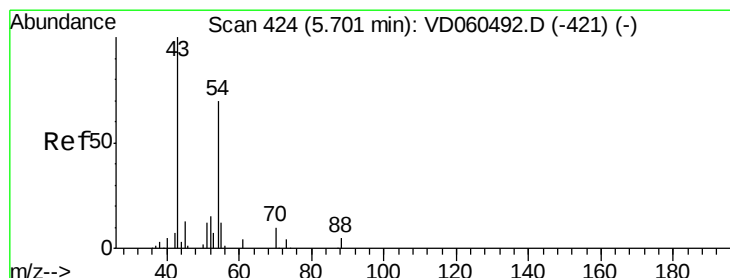
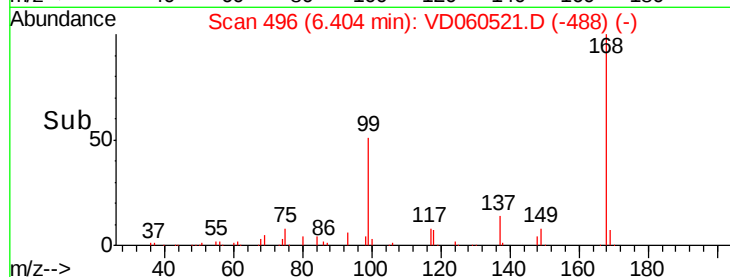
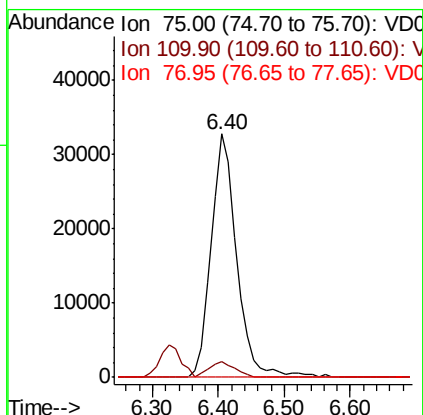
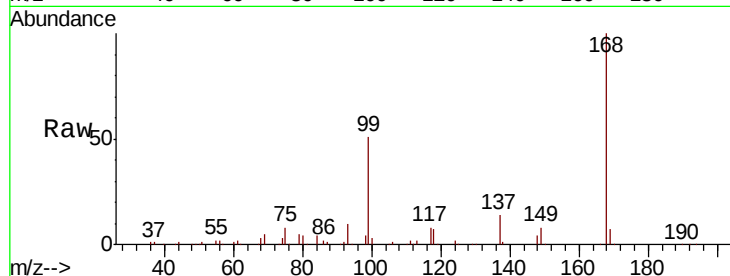




#36
 1,1-Dichloropropene
 Concen: 5.042 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060521.D
 Acq: 10 Dec 2018 13:29

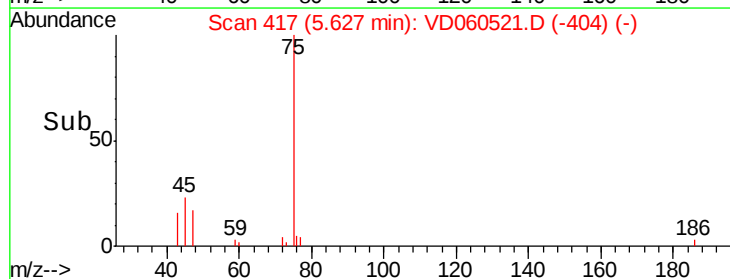
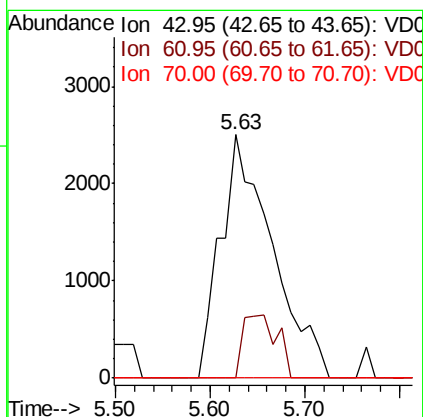
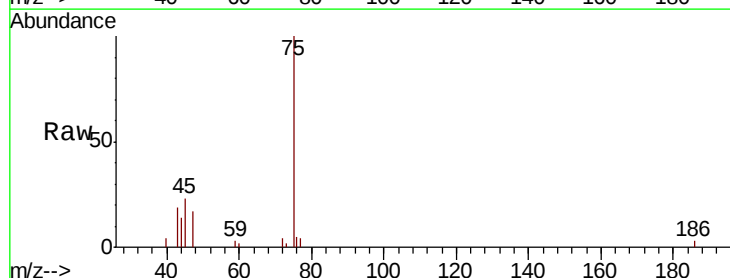
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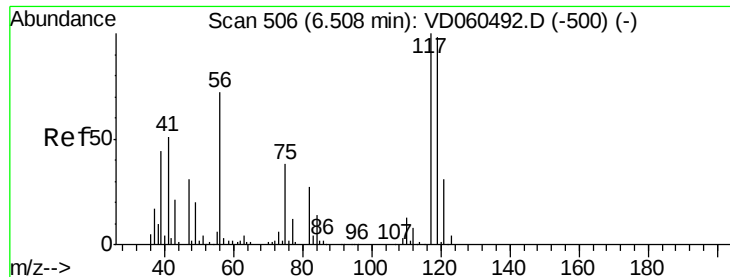
Tot Ion: 75 Resp: 87255
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.3 54.8#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.266 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.07 min
 Lab File: VD060521.D
 Acq: 10 Dec 2018 13:29

Tgt Ion: 43 Resp: 9500
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.0 5.4 8.0#





#38

Carbon Tetrachloride

Concen: 6.260 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-C

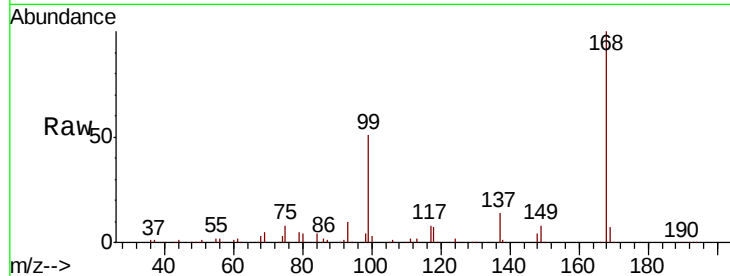
Tot Ion:117 Resp: 97259

Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

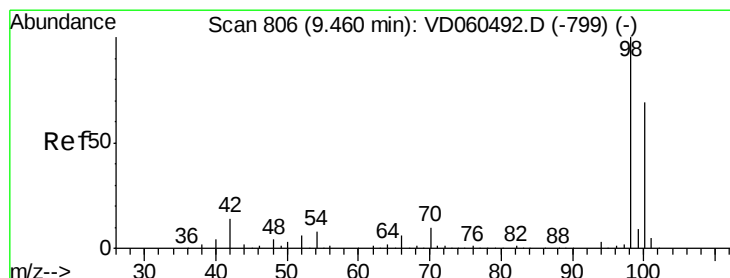
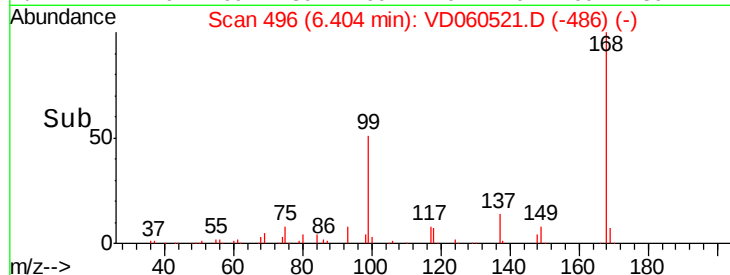
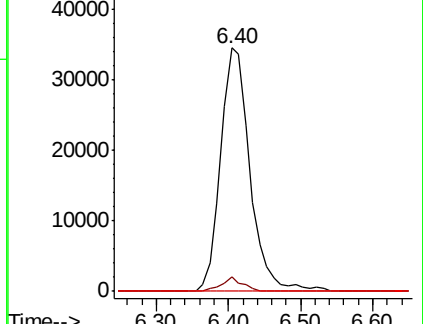
121 0.0 24.4 36.6#



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: VD060521.D

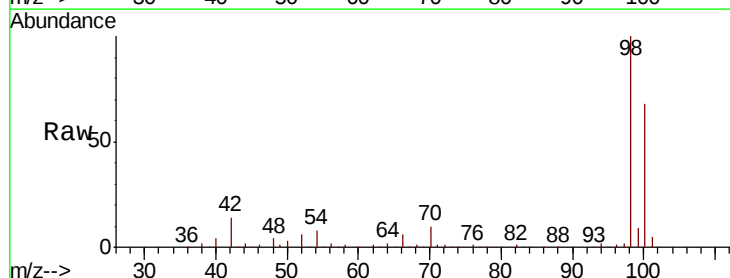
Acq: 10 Dec 2018 13:29

Tgt Ion: 98 Resp: 1389655

Ion Ratio Lower Upper

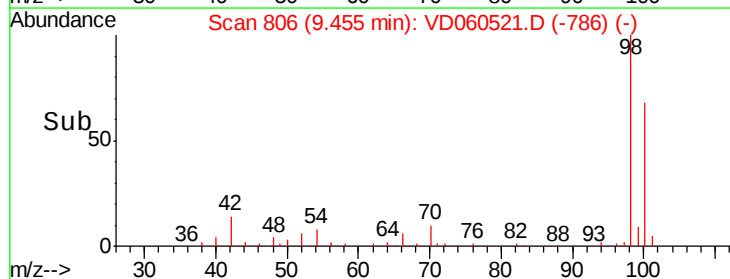
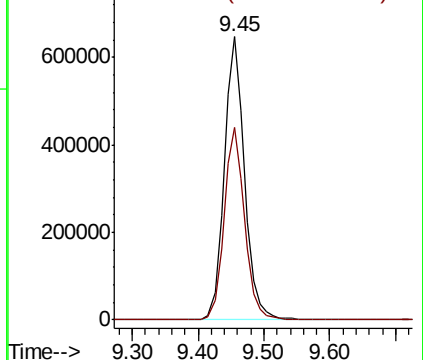
98 100

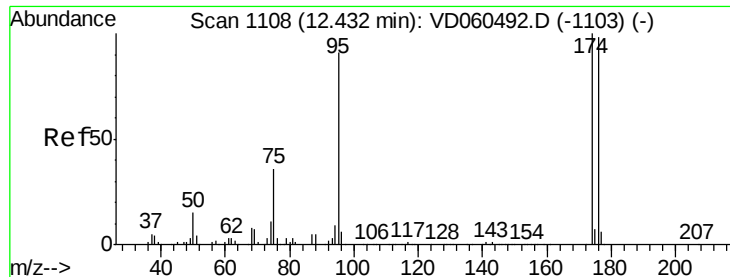
100 67.9 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

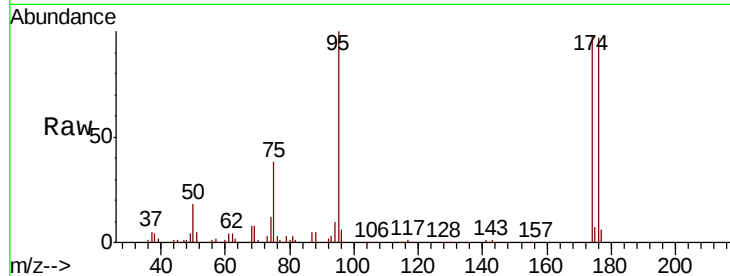




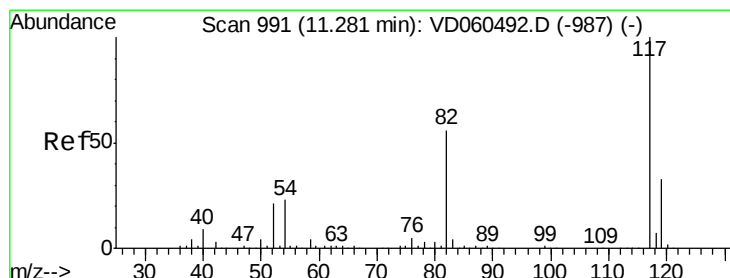
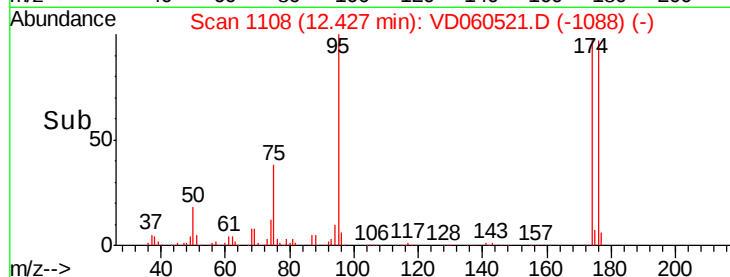
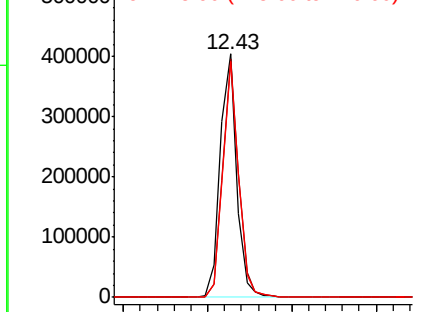
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

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

Tot Ion: 95 Resp: 550952
Ion Ratio Lower Upper
95 100
174 97.8 0.0 219.4
176 96.7 0.0 214.6

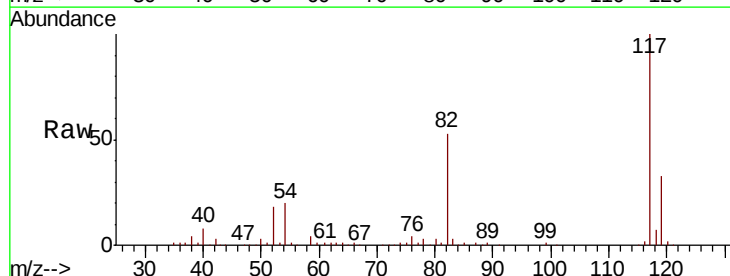


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

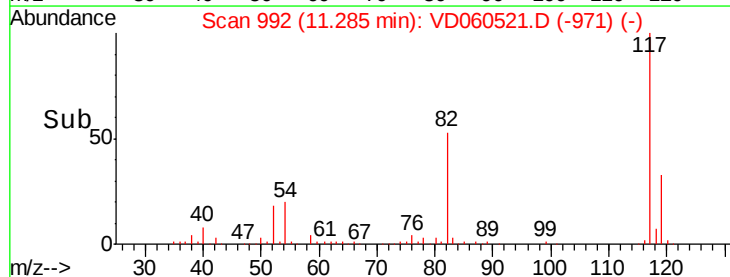
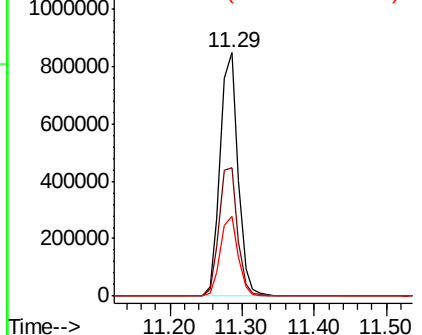


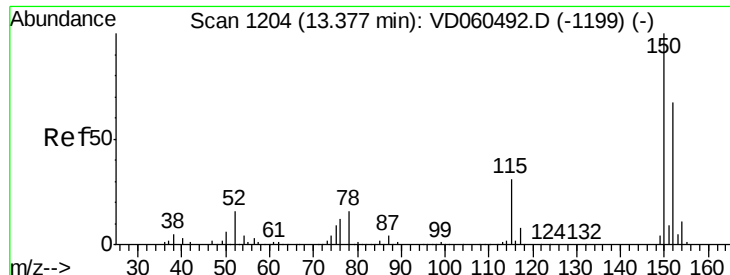
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060521.D
Acq: 10 Dec 2018 13:29

Tgt Ion: 117 Resp: 1453196
Ion Ratio Lower Upper
117 100
82 52.7 45.2 67.8
119 32.7 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: VD060521.D

Acq: 10 Dec 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

EO-03-120718-C

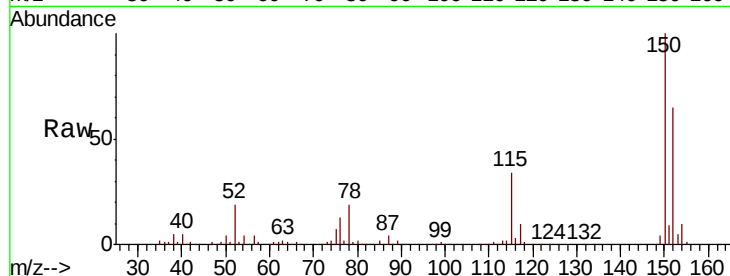
Tot Ion:152 Resp: 711651

Ion Ratio Lower Upper

152 100

115 51.7 24.6 74.0

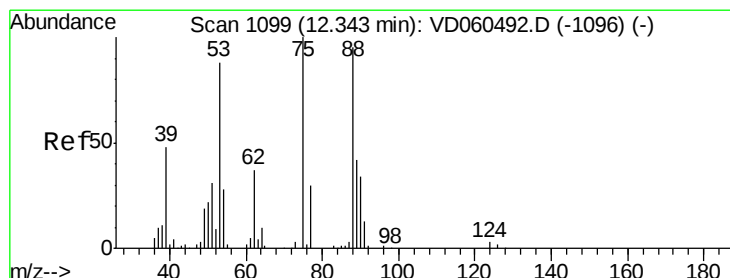
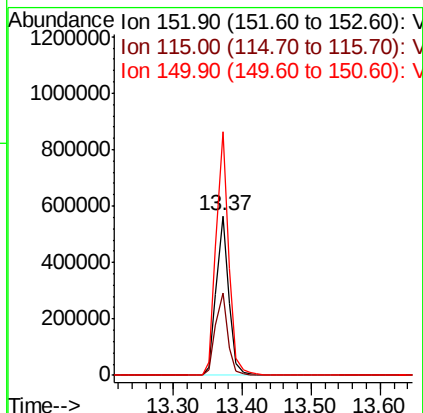
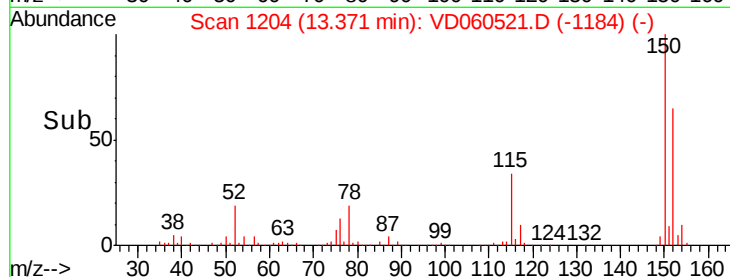
150 152.9 0.0 309.0



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: 97.523 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060521.D

Acq: 10 Dec 2018 13:29

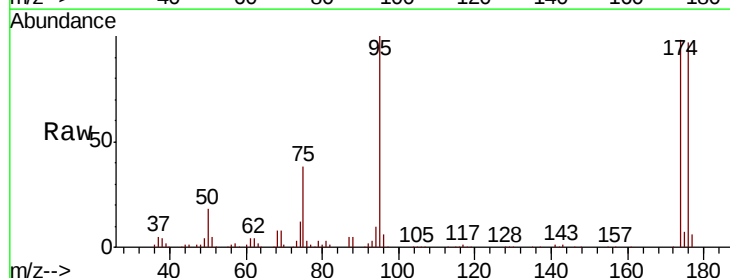
Tgt Ion: 75 Resp: 219323

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

