

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060573.D
 Acq On : 14 Dec 2018 15:09
 Operator : VA/AP
 Sample : J6403-09
 Misc : 4.57g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:23:04 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	6.39	168	1062735	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1474192	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	960037	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	288260	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	445682	59.17	ug/l	-0.03
Spiked Amount			Recovery	=	118.34%	
35) Dibromofluoromethane	6.30	113	562364	51.94	ug/l	-0.03
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	9.43	98	1305357	41.66	ug/l	-0.03
Spiked Amount			Recovery	=	83.32%	
62) 4-Bromofluorobenzene	12.42	95	331199	29.54	ug/l	-0.02
Spiked Amount			Recovery	=	59.08%	

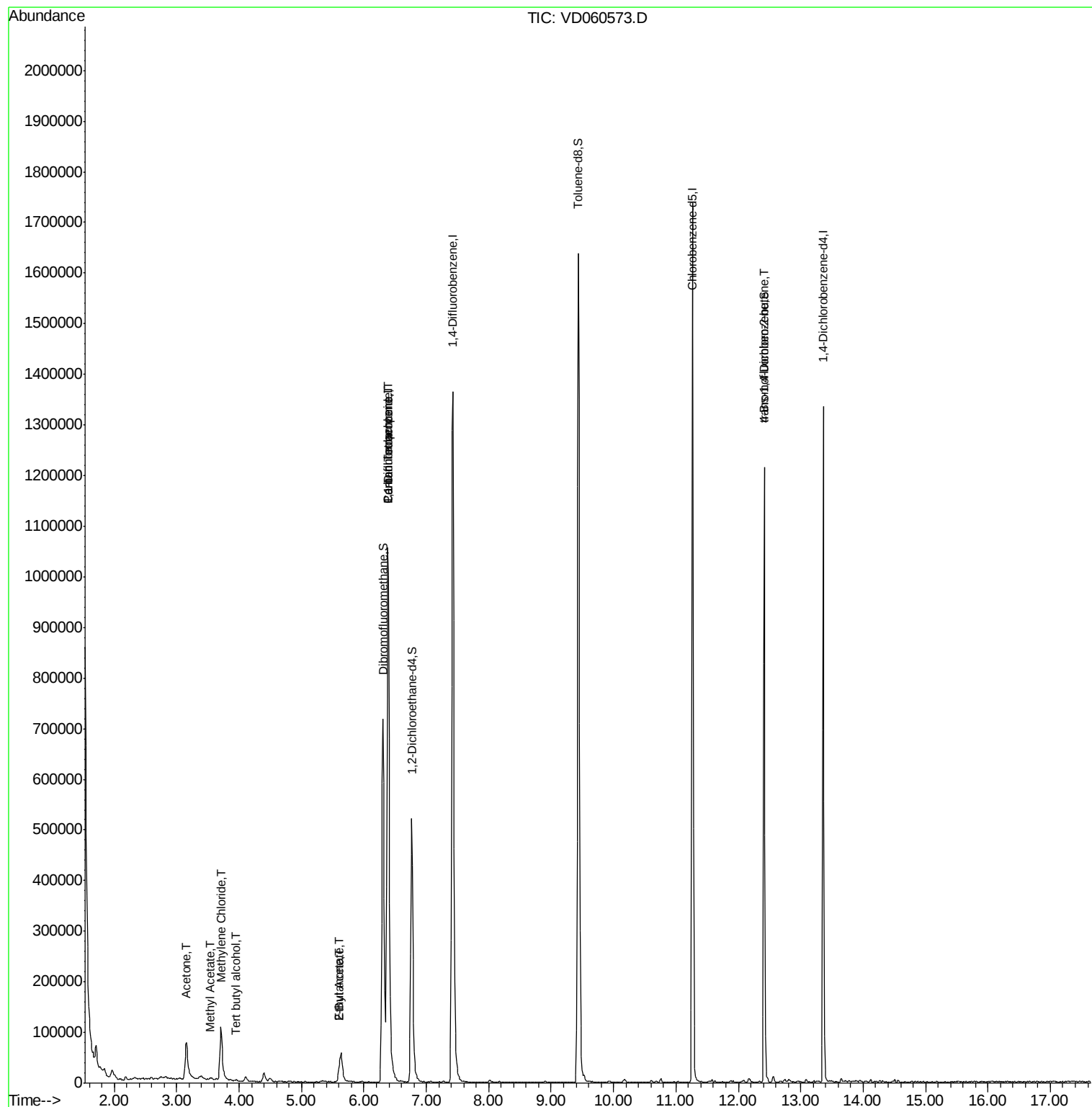
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	261	Below Cal	#	41
11) Tert butyl alcohol	3.94	59	3275	10.702	ug/l #	73
16) Acetone	3.16	43	168518	139.569	ug/l	99
18) Methyl Acetate	3.54	43	7196	2.508	ug/l #	90
20) Methylene Chloride	3.71	84	69481	1.971	ug/l	99
25) 2-Butanone	5.60	43	47367	19.940	ug/l	95
31) Cyclohexane	6.38	56	22876	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	77866	5.404	ug/l #	47
37) Ethyl Acetate	5.60	43	47367	7.579	ug/l #	68
38) Carbon Tetrachloride	6.38	117	79773	6.166	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.42	75	136686	150.048	ug/l #	14
89) n-Butylbenzene	13.64	91	359	Below Cal	#	29

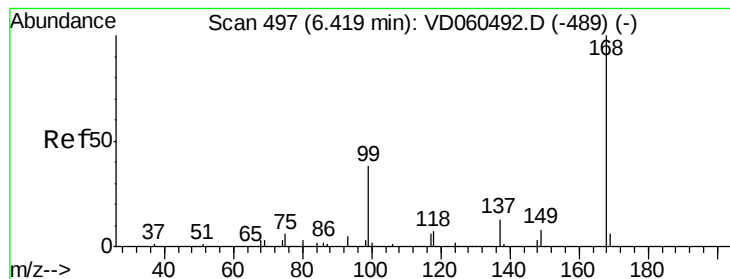
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
Data File : VD060573.D
Acq On : 14 Dec 2018 15:09
Operator : VA/AP
Sample : J6403-09
Misc : 4.57g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 14 22:23:04 2018
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: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

Instrument :

MSVOA_D

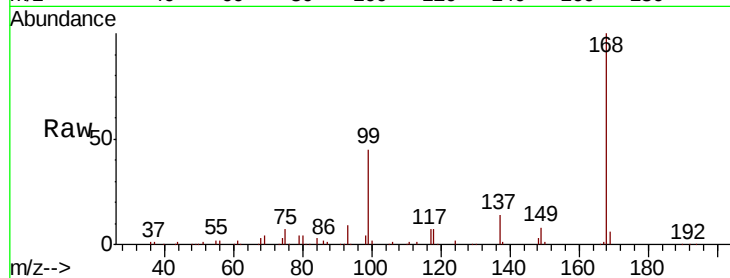
ClientSampleId :

Tot Ion:168 Resp: 1062735

Ion Ratio Lower Upper

168 100

99 45.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

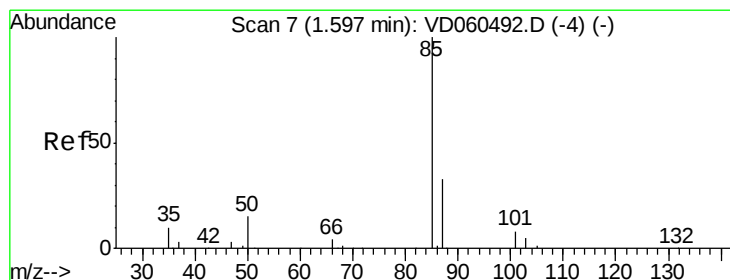
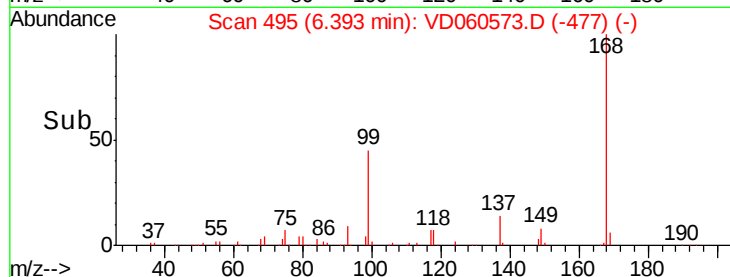
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.01 min

Lab File: VD060573.D

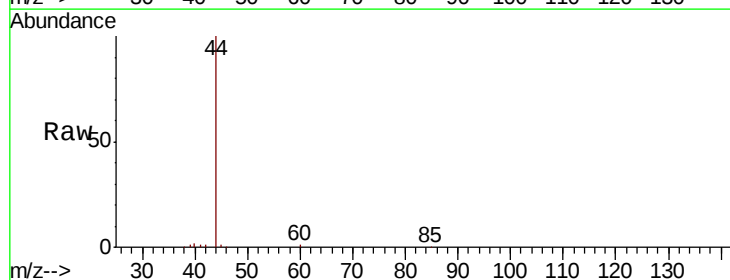
Acq: 14 Dec 2018 15:09

Tgt Ion: 85 Resp: 261

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

1.59

500

400

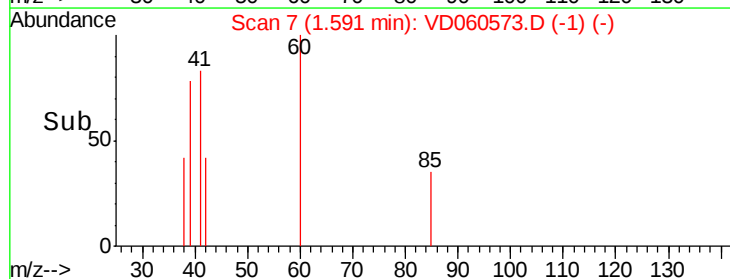
300

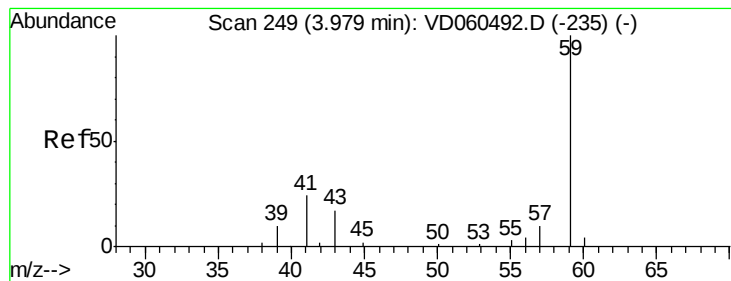
200

100

0

Time-->



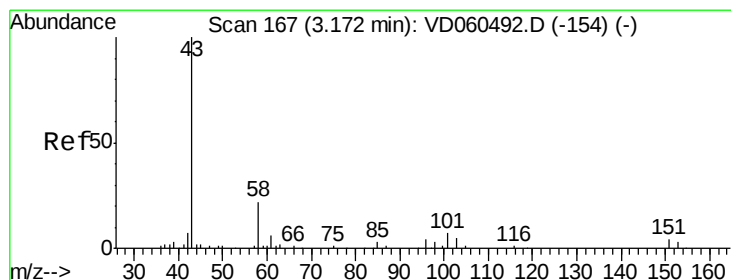
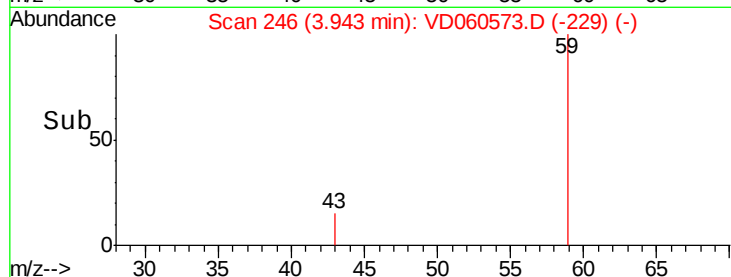
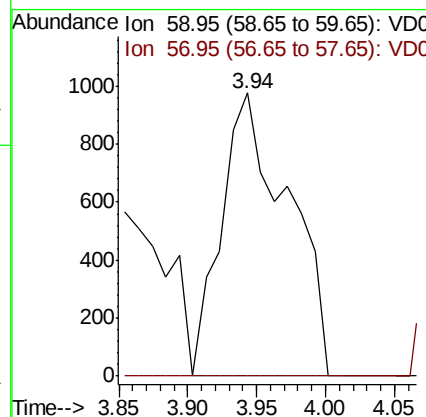
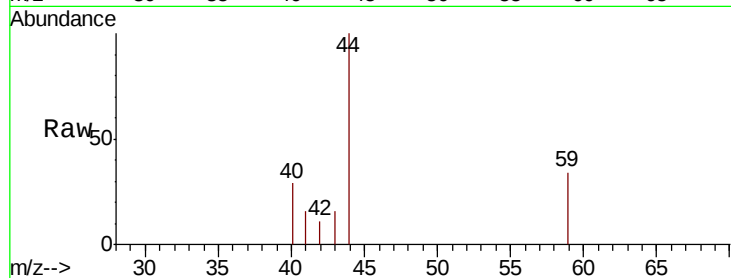


#11

Tert butyl alcohol
 Concen: 10.702 ug/l
 RT: 3.94 min Scan# 246
 Delta R.T. -0.04 min
 Lab File: VD060573.D
 Acq: 14 Dec 2018 15:09

Instrument :
 MSVOA_D
 ClientSampled :

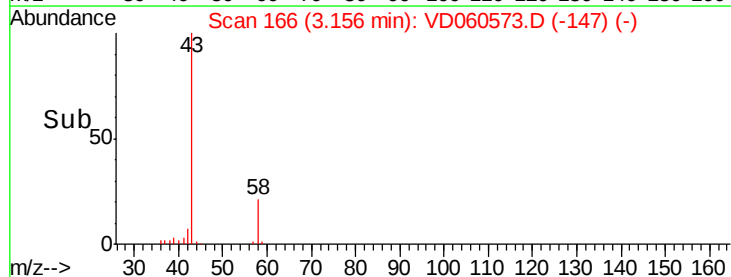
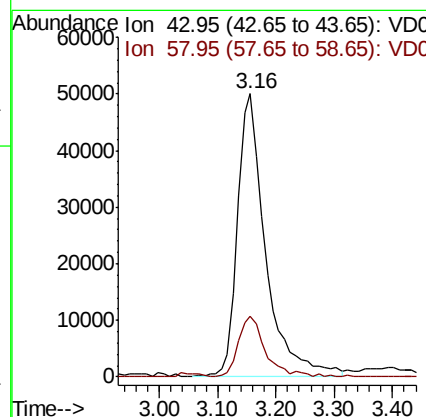
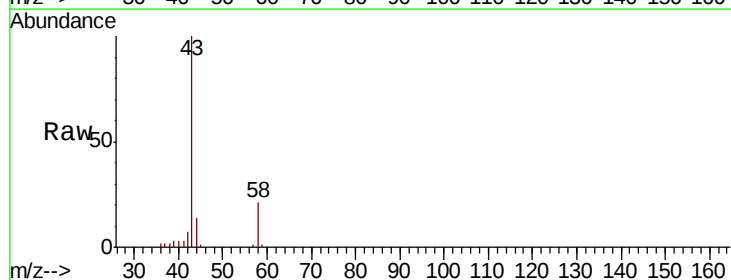
Tot Ion: 59 Resp: 3275
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

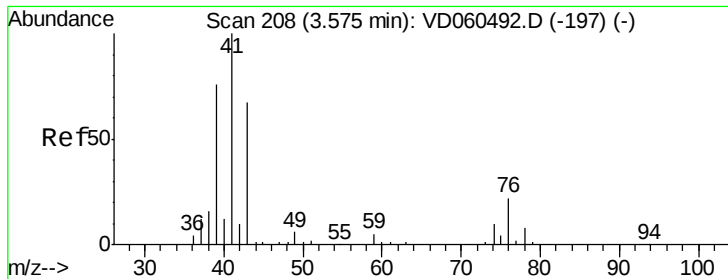


#16

Acetone
 Concen: 139.569 ug/l
 RT: 3.16 min Scan# 166
 Delta R.T. -0.02 min
 Lab File: VD060573.D
 Acq: 14 Dec 2018 15:09

Tgt Ion: 43 Resp: 168518
 Ion Ratio Lower Upper
 43 100
 58 21.3 17.3 25.9

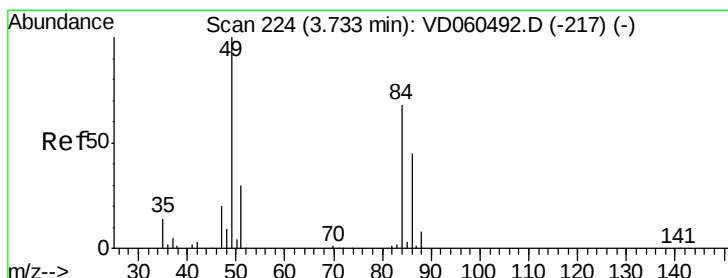
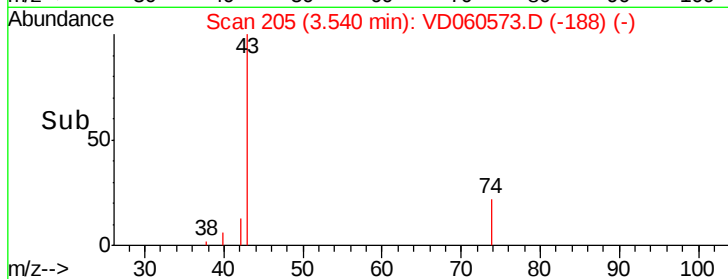
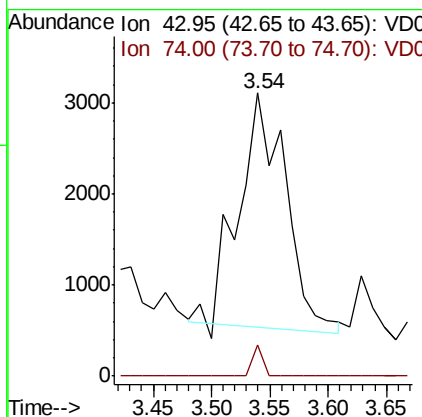
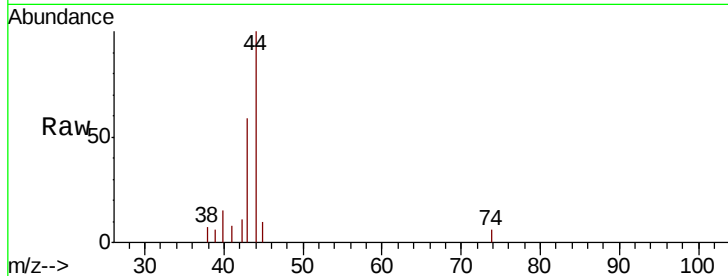




#18
Methyl Acetate
Concen: 2.508 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.04 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

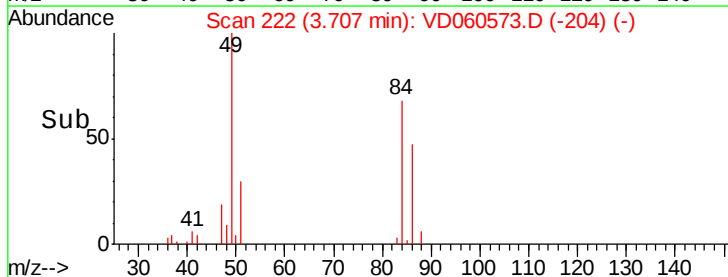
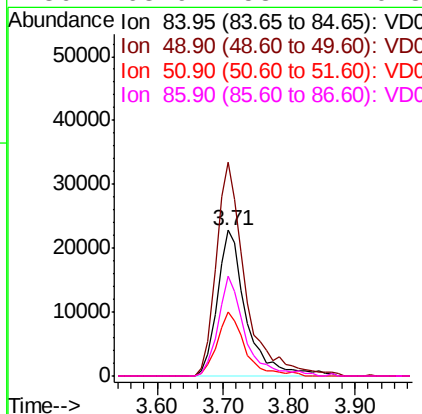
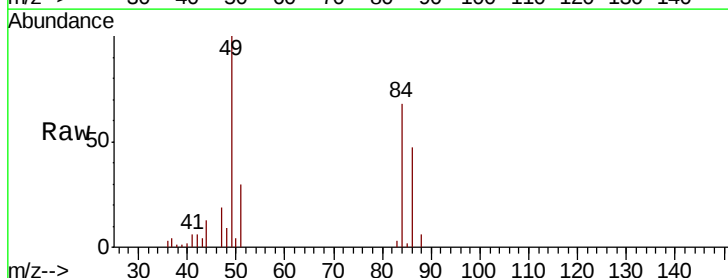
Instrument :
MSVOA_D
ClientSampled :

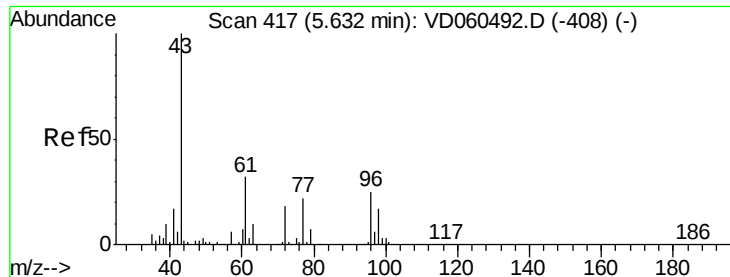
Tot Ion: 43 Resp: 7196
Ion Ratio Lower Upper
43 100
74 10.9 12.0 18.0#



#20
Methylene Chloride
Concen: 1.971 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Tgt Ion: 84 Resp: 69481
Ion Ratio Lower Upper
84 100
49 146.7 117.2 175.8
51 44.3 35.3 52.9
86 68.9 53.2 79.8





#25

2-Butanone

Concen: 19.940 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

Instrument :

MSVOA_D

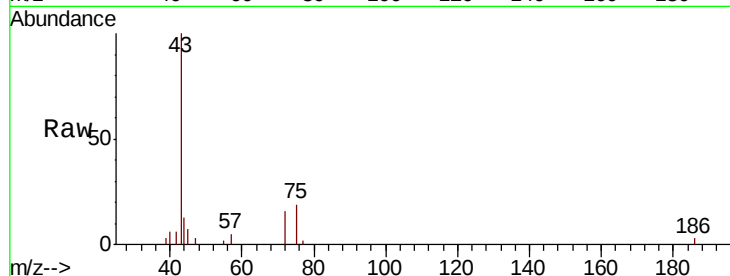
ClientSampleId :

Tot Ion: 43 Resp: 47367

Ion Ratio Lower Upper

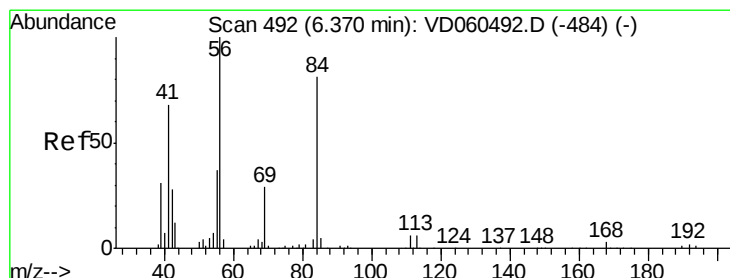
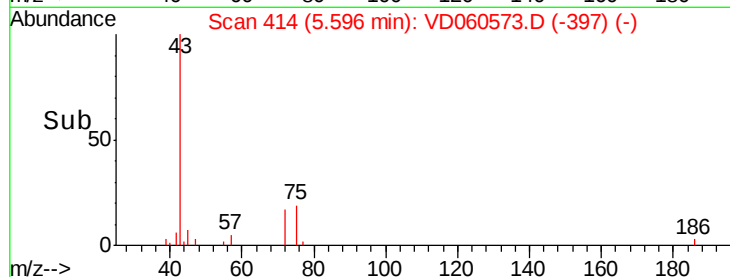
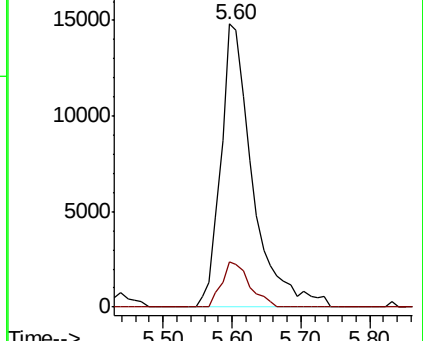
43 100

72 16.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

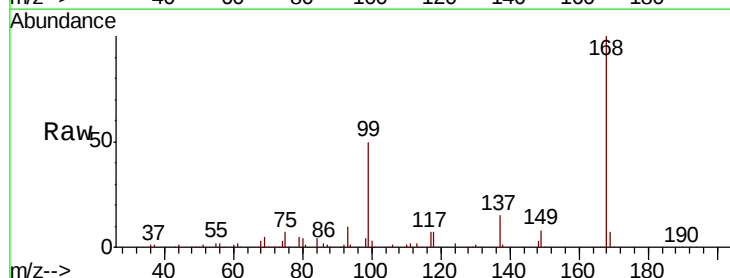
Tgt Ion: 56 Resp: 22876

Ion Ratio Lower Upper

56 100

69 233.0 22.8 34.2#

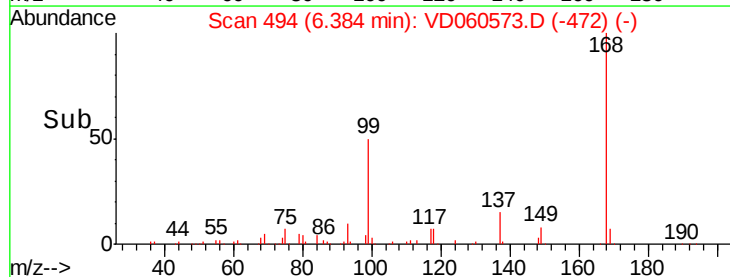
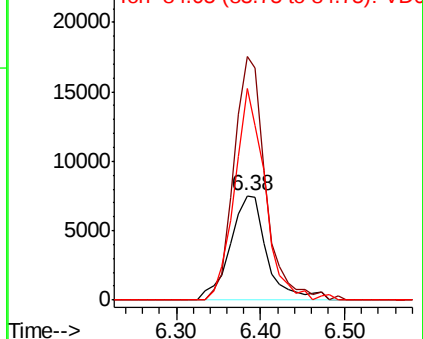
84 202.6 65.1 97.7#

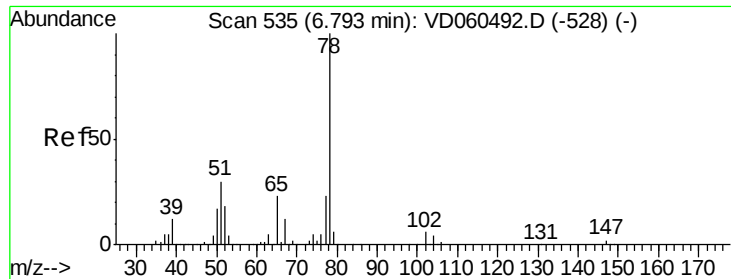


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

Instrument :

MSVOA_D

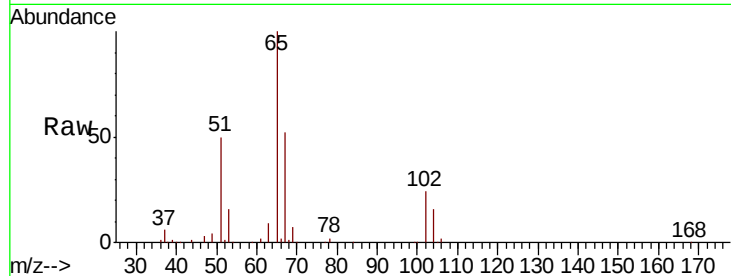
ClientSampled :

Tot Ion: 65 Resp: 445682

Ion Ratio Lower Upper

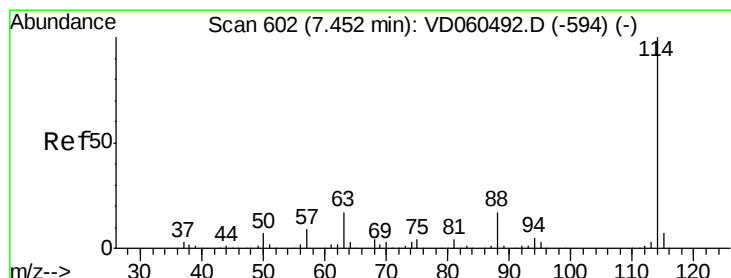
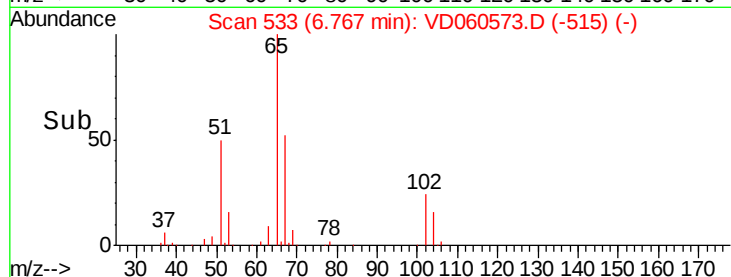
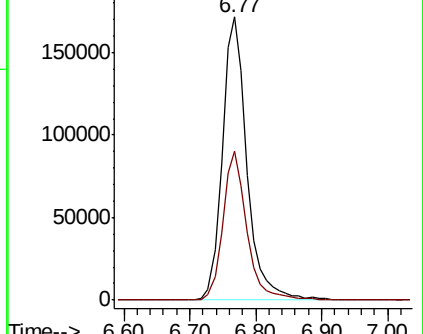
65 100

67 52.4 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: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

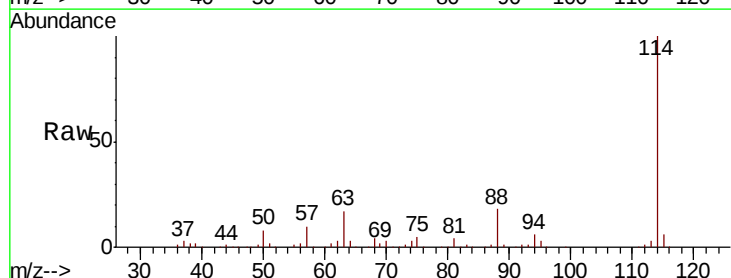
Tgt Ion:114 Resp: 1474192

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

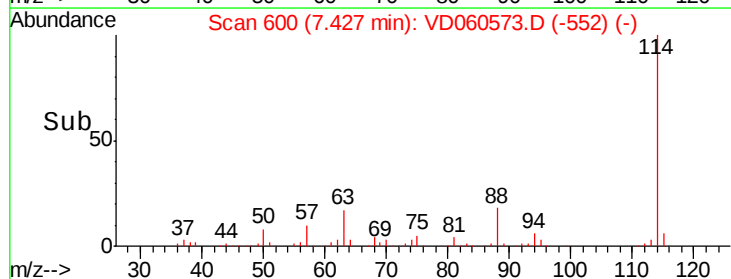
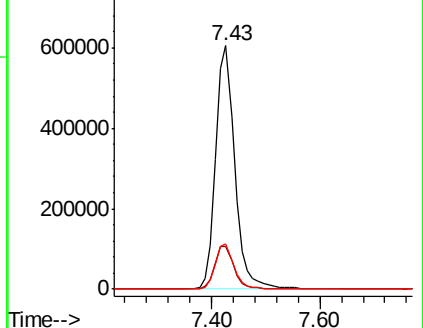
88 18.4 0.0 35.0

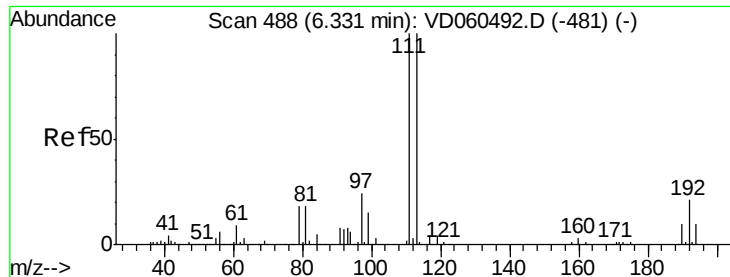


Abundance Ion 114.00 (113.70 to 114.70): VDC

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# 486

Delta R.T. -0.03 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

Instrument :
MSVOA_D
ClientSampled :

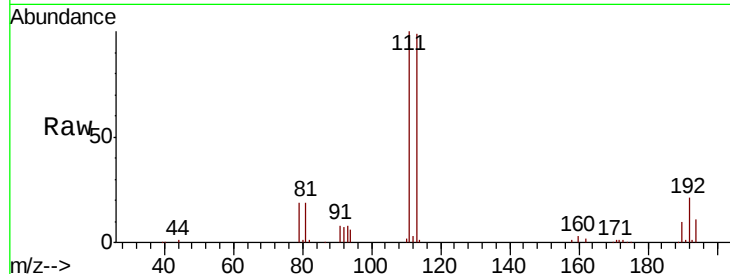
Tot Ion:113 Resp: 562364

Ion Ratio Lower Upper

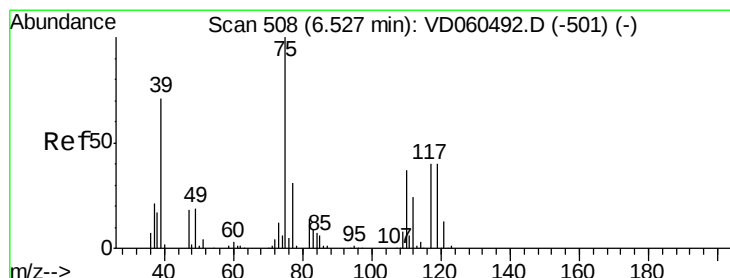
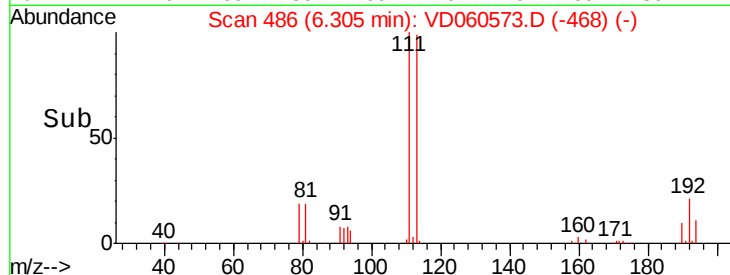
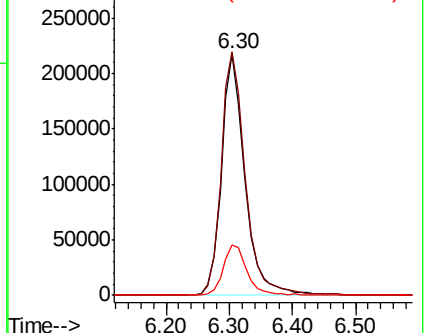
113 100

111 101.0 80.2 120.4

192 20.9 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: 5.404 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.14 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

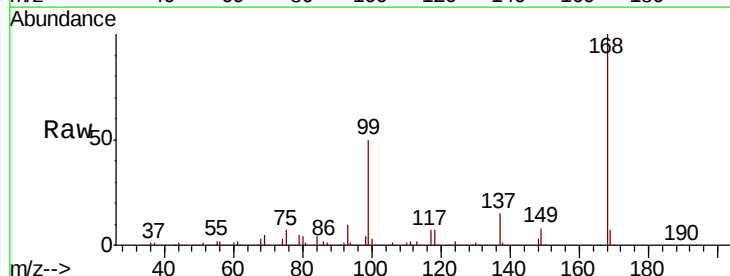
Tgt Ion: 75 Resp: 77866

Ion Ratio Lower Upper

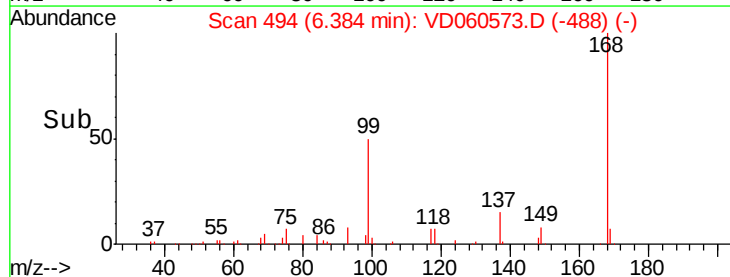
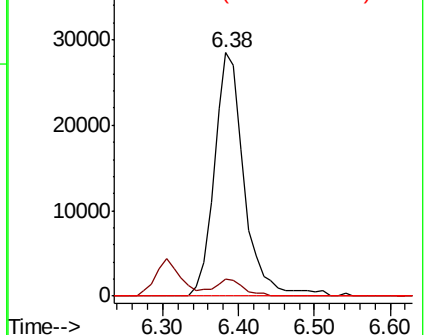
75 100

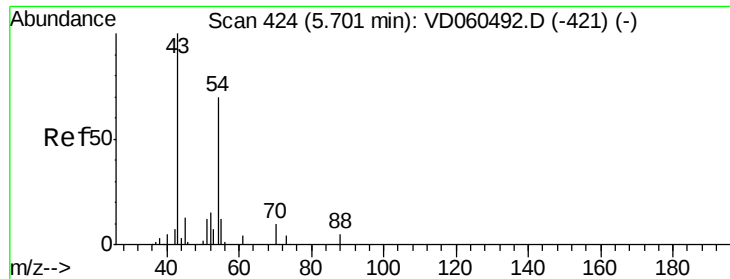
110 6.9 18.3 54.8#

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

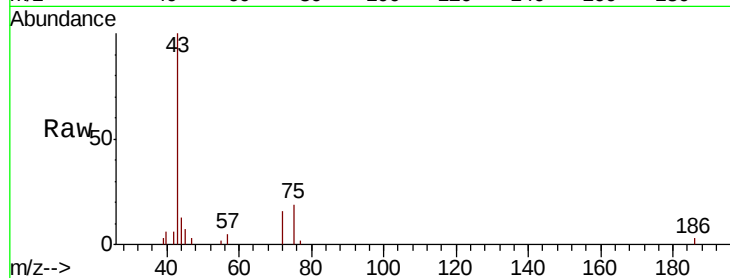




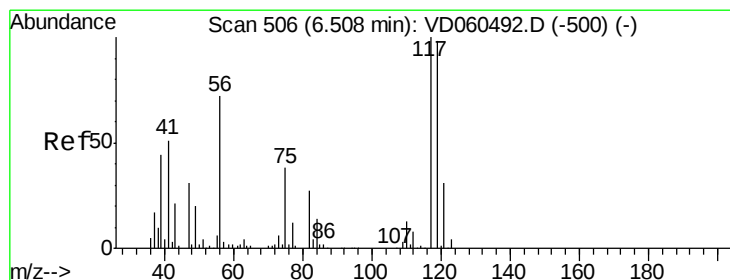
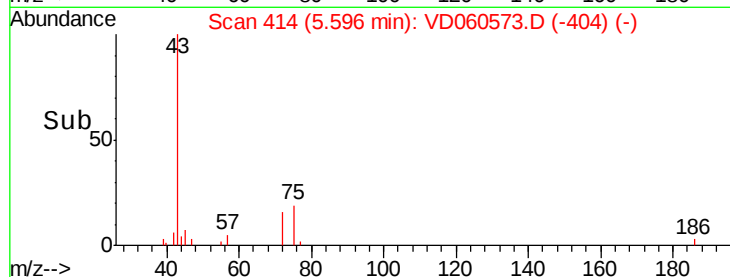
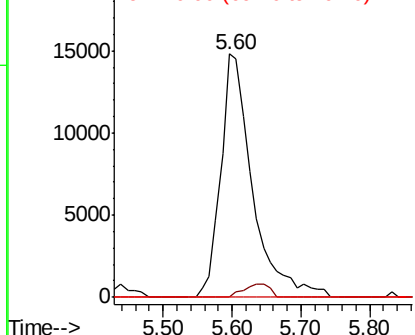
#37
Ethyl Acetate
Concen: 7.579 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.10 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 47367
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

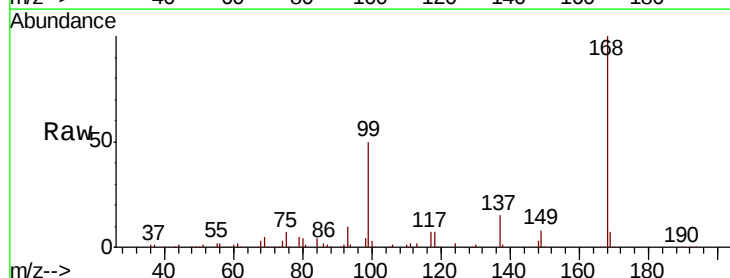


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

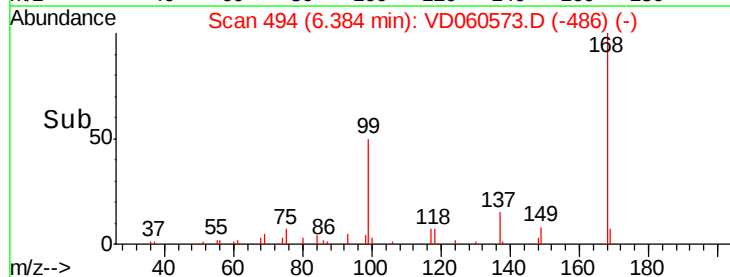
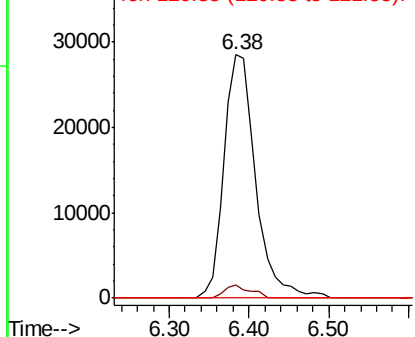


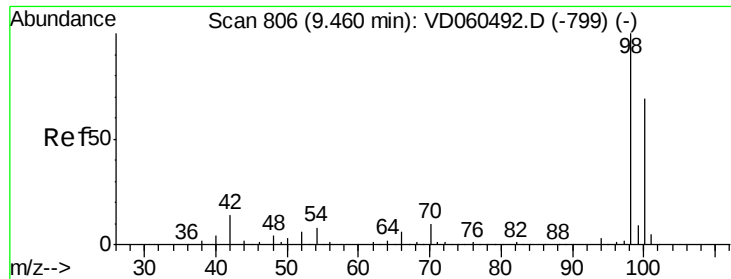
#38
Carbon Tetrachloride
Concen: 6.166 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Tgt Ion: 117 Resp: 79773
Ion Ratio Lower Upper
117 100
119 5.2 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

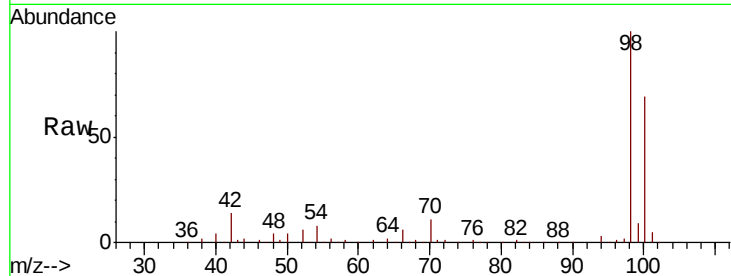




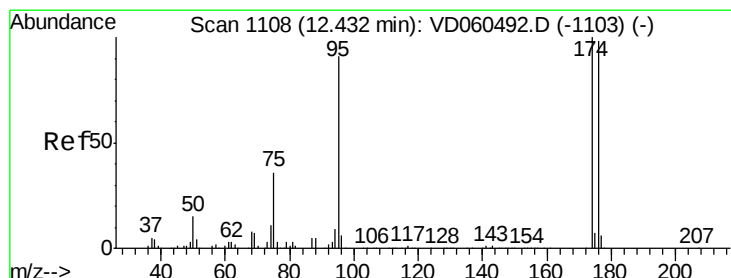
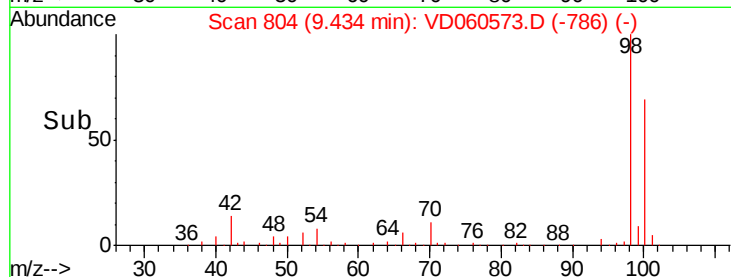
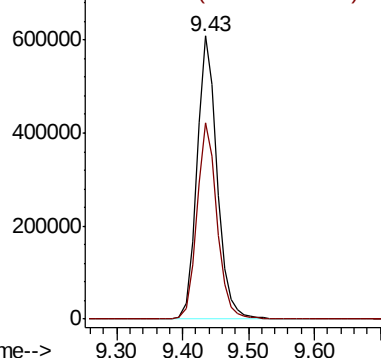
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1305357
Ion Ratio Lower Upper
98 100
100 69.2 55.7 83.5

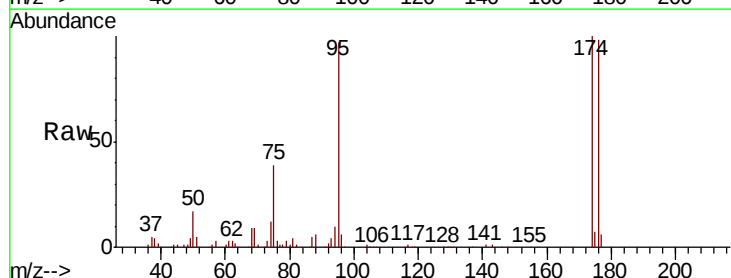


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

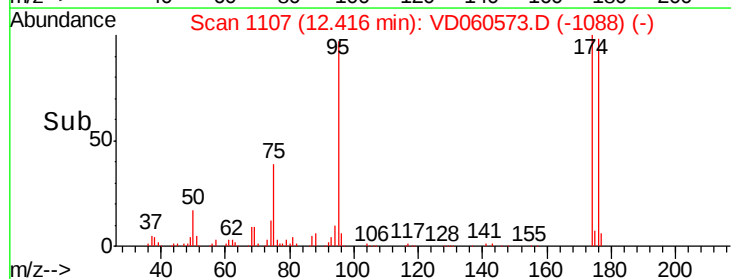
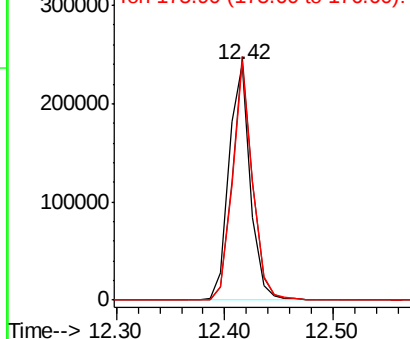


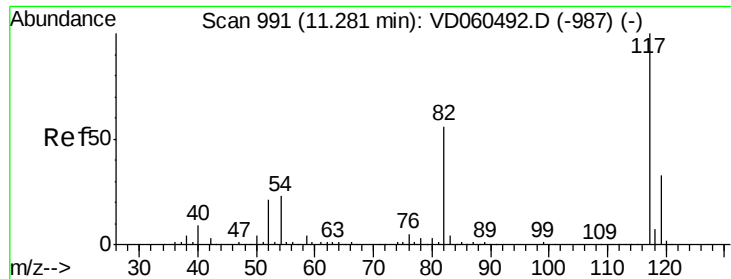
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Tgt Ion: 95 Resp: 331199
Ion Ratio Lower Upper
95 100
174 103.4 0.0 219.4
176 101.0 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

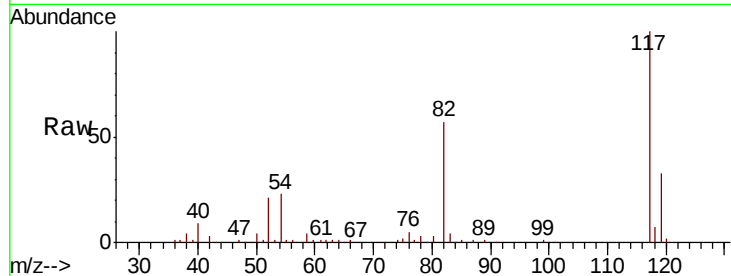




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.2	67.8
119	32.7	26.1	39.1

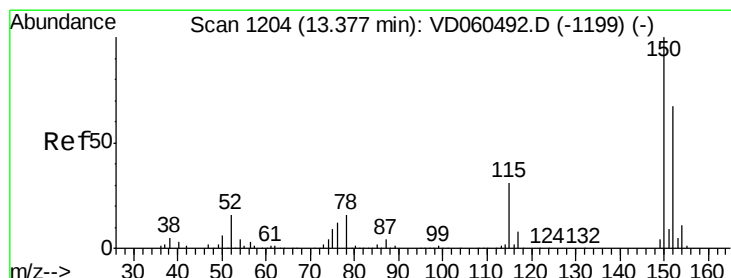
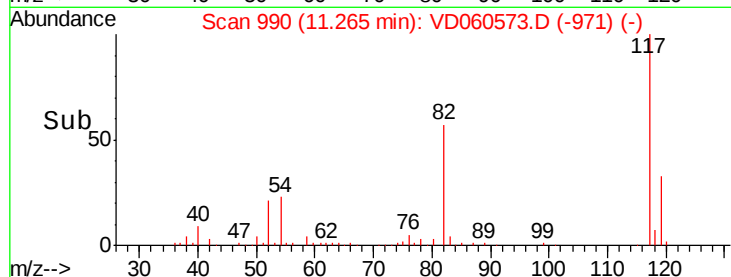
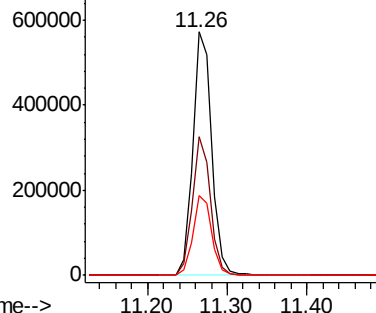


Abundance

Ion 116.95 (116.65 to 117.65): V

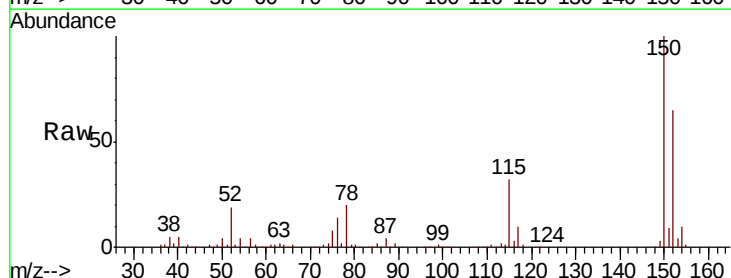
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060573.D
Acq: 14 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.2	24.6	74.0
150	153.6	0.0	309.0

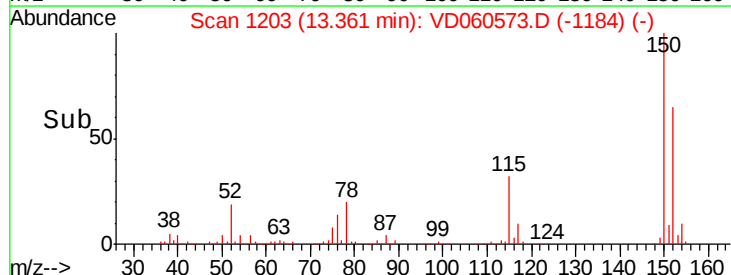
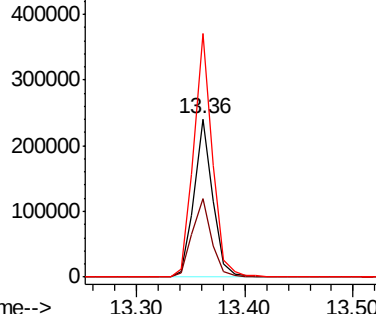


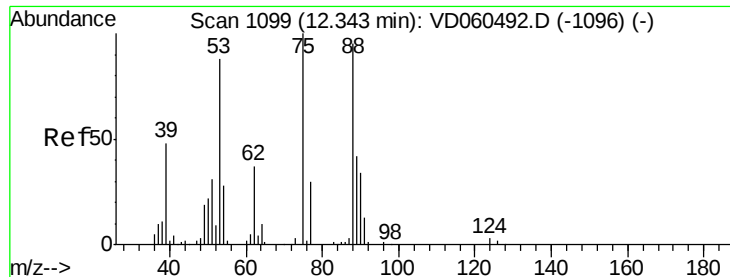
Abundance

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: 150.048 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060573.D

Acq: 14 Dec 2018 15:09

Instrument :

MSVOA_D

ClientSampleId :

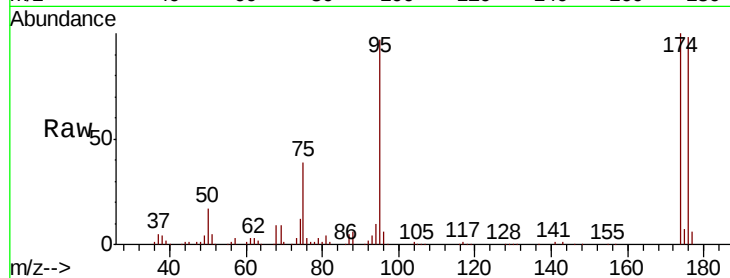
Tot Ion: 75 Resp: 136686

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

