

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060587.D
 Acq On : 14 Dec 2018 21:43
 Operator : VA/AP
 Sample : J6374-04RE
 Misc : 4.77g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:26:04 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

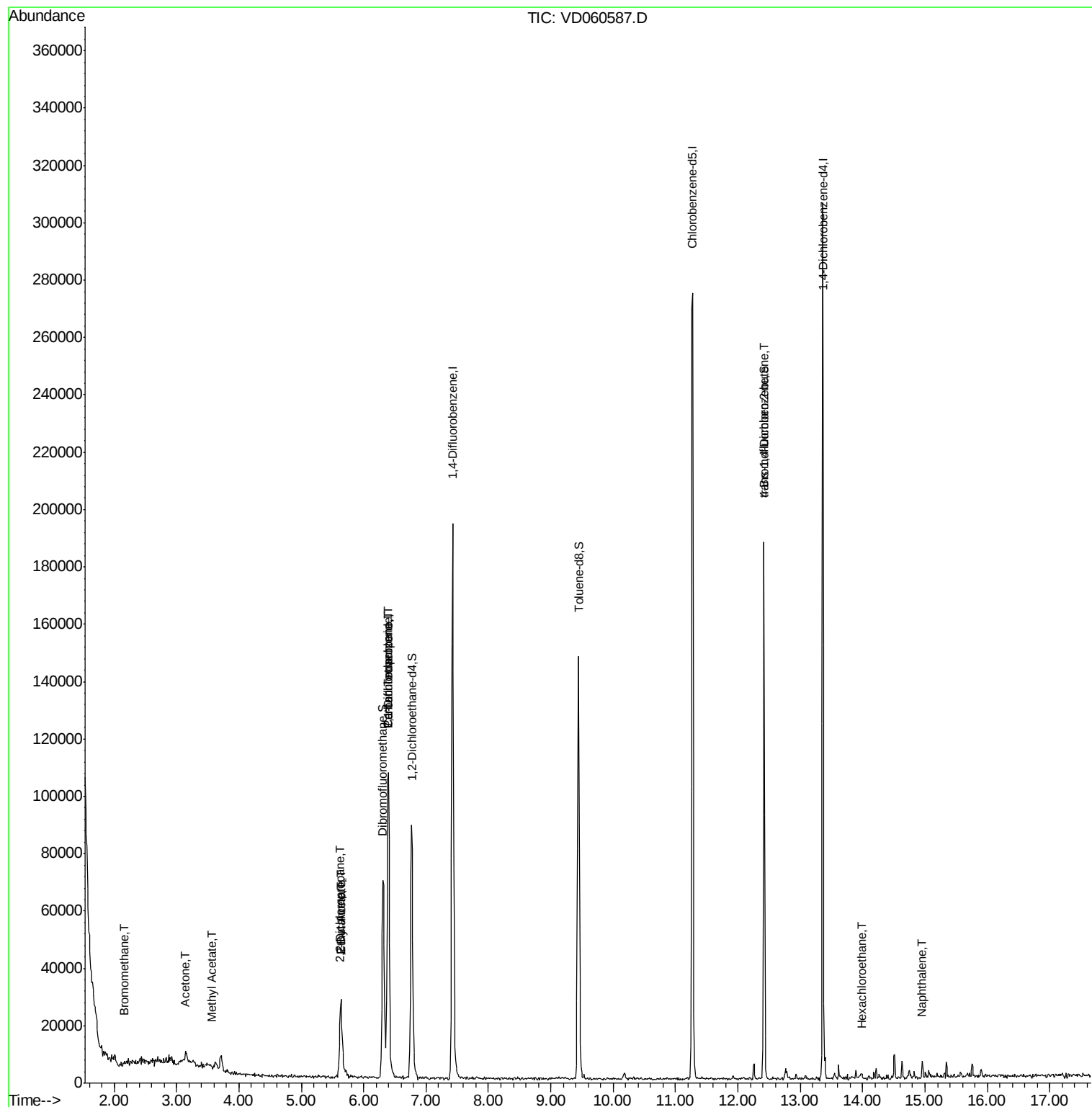
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	112004	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	191739	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	154391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	64867	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	74866	94.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	188.60%	
35) Dibromofluoromethane	6.31	113	56972	40.45	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	80.90%	
50) Toluene-d8	9.44	98	123658	30.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	60.68%	
62) 4-Bromofluorobenzene	12.42	95	50114	34.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	68.72%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	643	2.799	ug/l #	4
16) Acetone	3.15	43	10524	82.702	ug/l	96
18) Methyl Acetate	3.58	43	704	2.328	ug/l #	64
20) Methylene Chloride	3.71	84	2439	Below Cal	#	73
25) 2-Butanone	5.63	43	2685	10.725	ug/l #	59
26) 2,2-Dichloropropane	5.62	77	1544	1.009	ug/l #	50
31) Cyclohexane	6.39	56	1956	Below Cal	#	6
36) 1,1-Dichloropropene	6.39	75	7759	4.140	ug/l #	41
37) Ethyl Acetate	5.63	43	2685	3.303	ug/l #	59
38) Carbon Tetrachloride	6.40	117	8337	4.955	ug/l #	12
81) trans-1,4-Dichloro-2-buten	12.42	75	21439	104.586	ug/l #	14
89) n-Butylbenzene	13.62	91	507	Below Cal	#	1
90) Hexachloroethane	13.97	117	1057	1.085	ug/l #	8
95) Naphthalene	14.96	128	4674	2.815	ug/l #	81

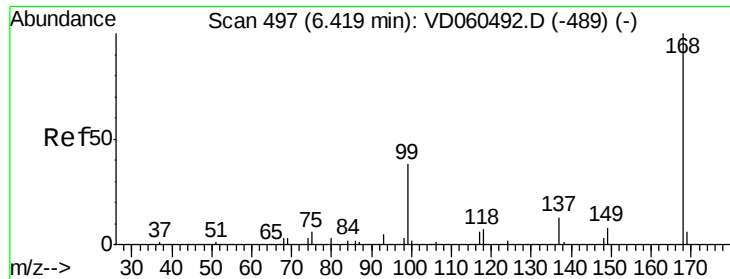
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

Instrument :

MSVOA_D

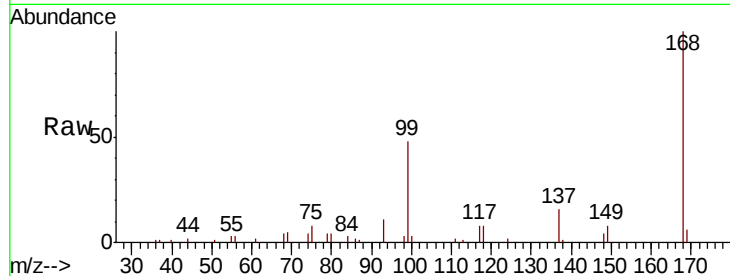
ClientSampleId :

Tot Ion:168 Resp: 112004

Ion Ratio Lower Upper

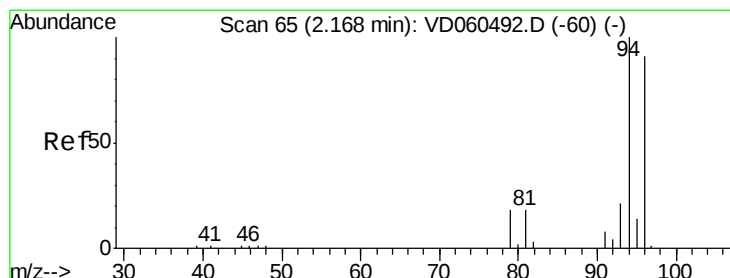
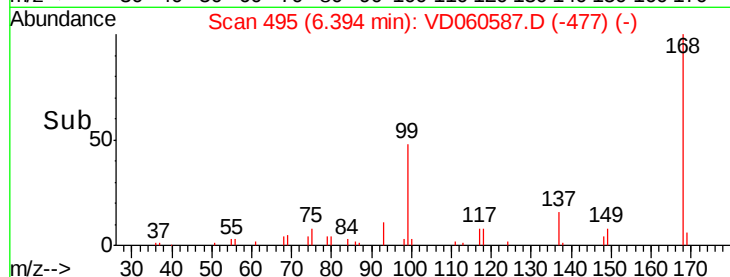
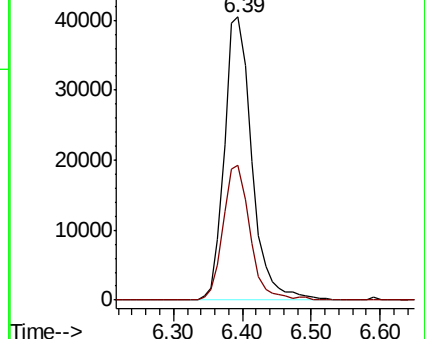
168 100

99 47.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.799 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060587.D

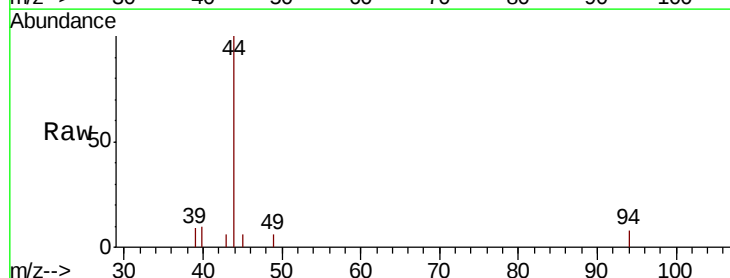
Acq: 14 Dec 2018 21:43

Tgt Ion: 94 Resp: 643

Ion Ratio Lower Upper

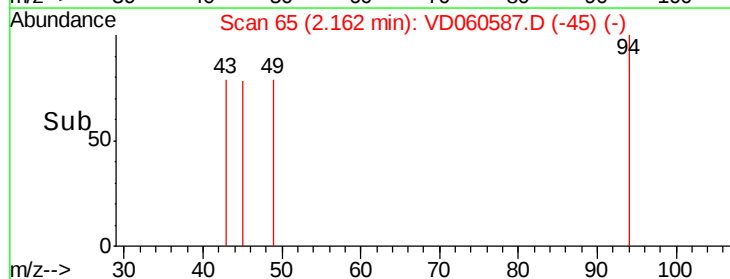
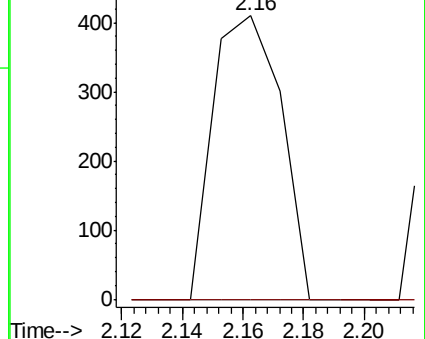
94 100

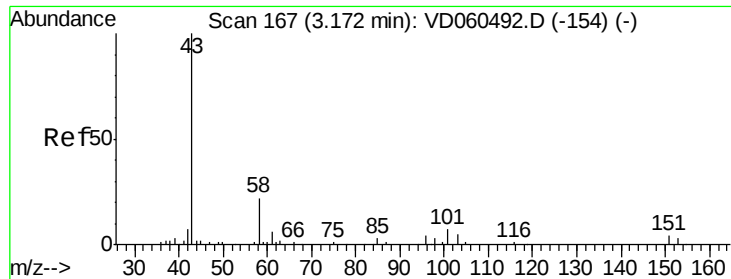
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

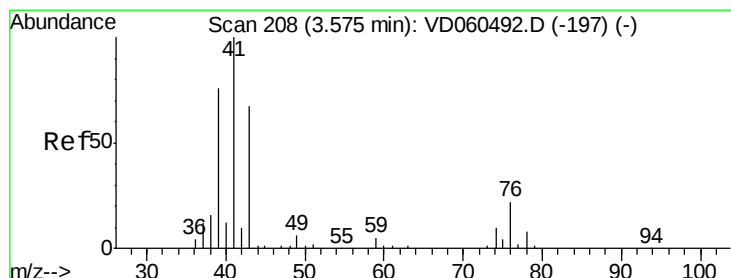
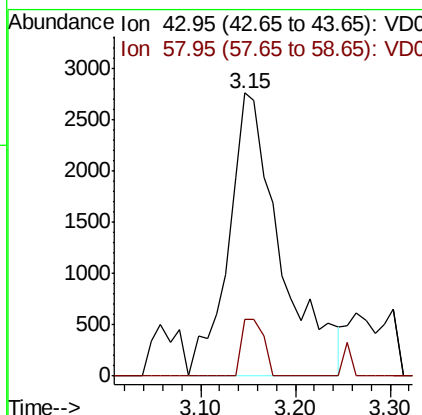
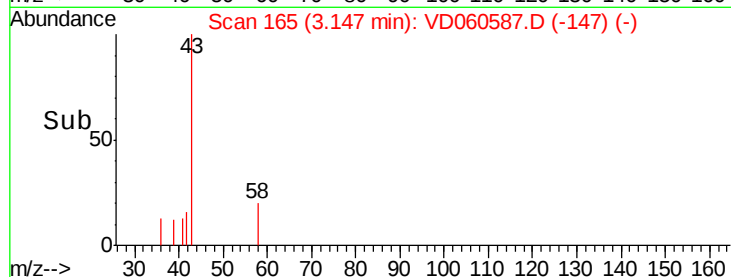
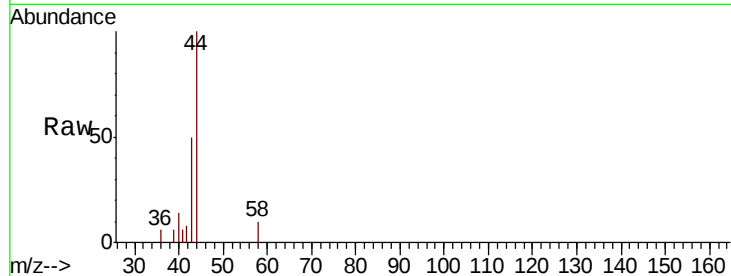




#16
Acetone
Concen: 82.702 ug/l
RT: 3.15 min Scan# 165
Delta R.T. -0.03 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

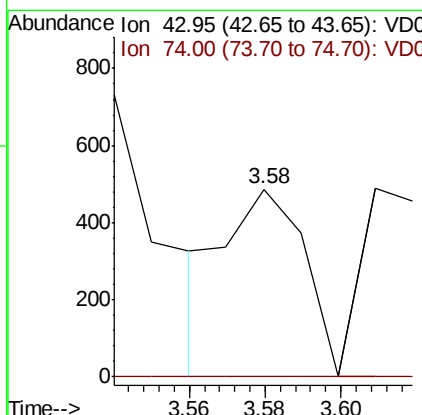
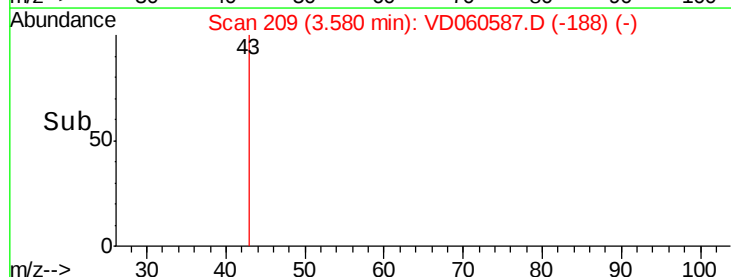
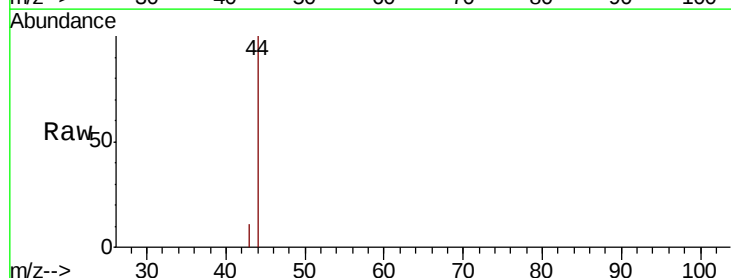
Instrument :
MSVOA_D
ClientSampled :

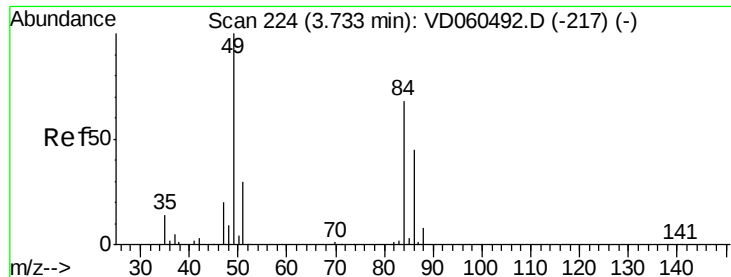
Tot Ion: 43 Resp: 10524
Ion Ratio Lower Upper
43 100
58 19.9 17.3 25.9



#18
Methyl Acetate
Concen: 2.328 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.00 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#

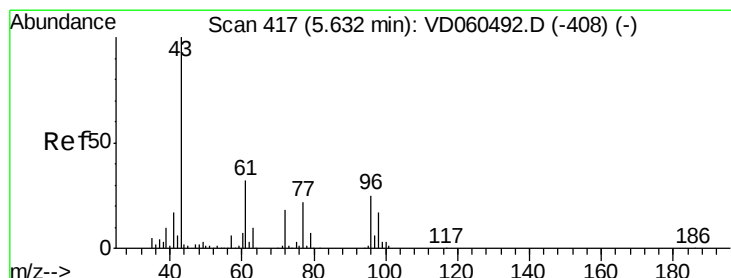
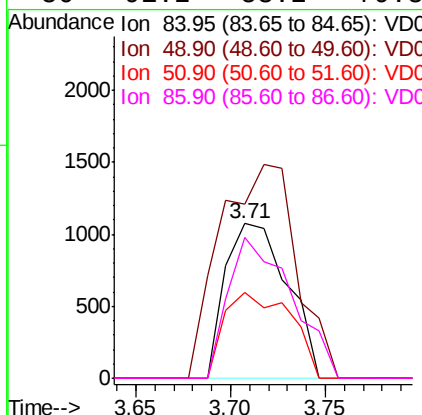
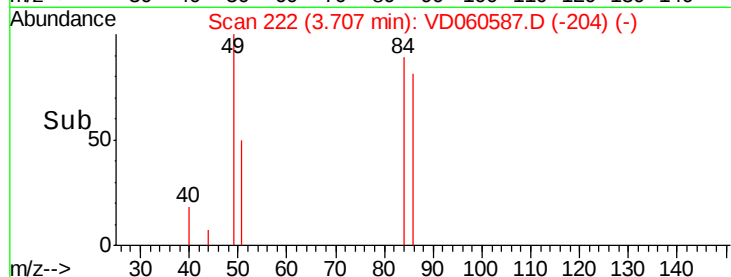
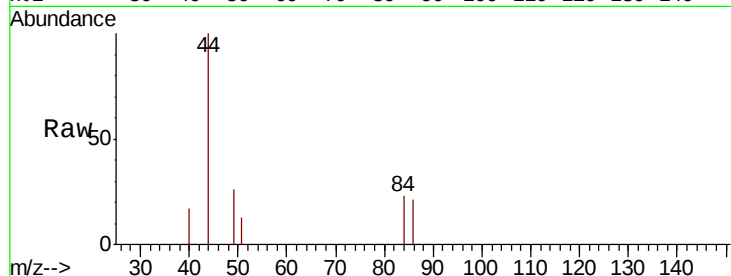




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

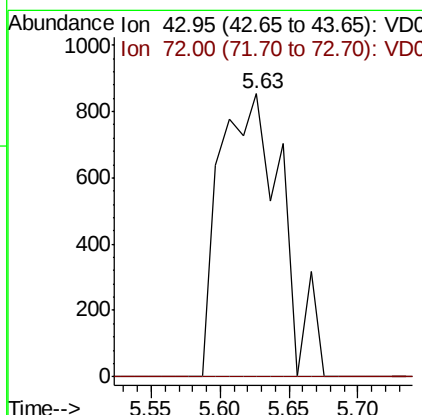
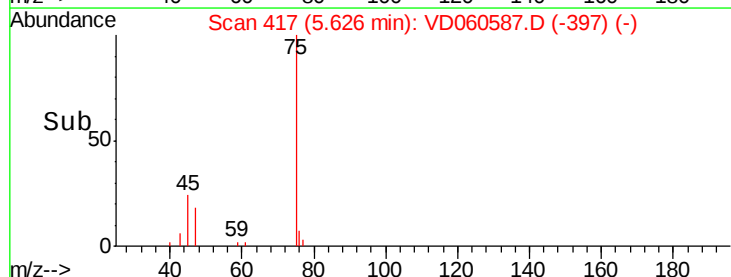
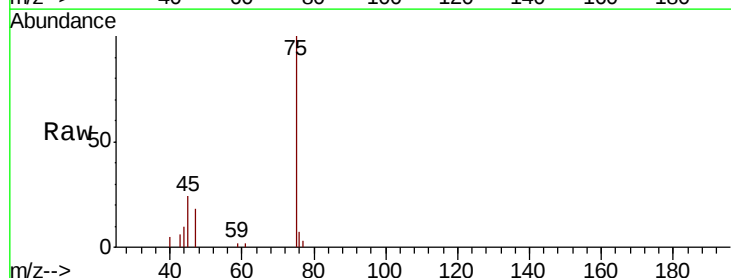
Instrument :
MSVOA_D
ClientSampleId :

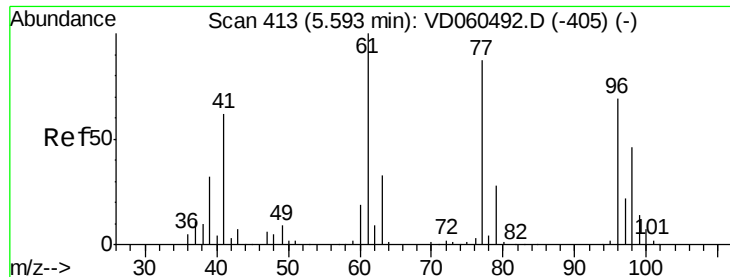
Tot Ion: 84 Resp: 2439
Ion Ratio Lower Upper
84 100
49 112.5 117.2 175.8#
51 55.7 35.3 52.9#
86 91.2 53.2 79.8#



#25
2-Butanone
Concen: 10.725 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#





#26

2,2-Dichloropropane

Concen: 1.009 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

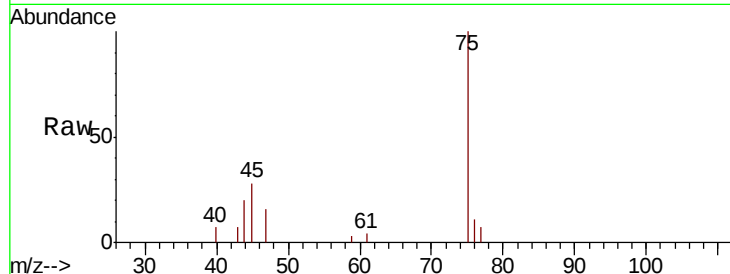
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 77 Resp: 1544

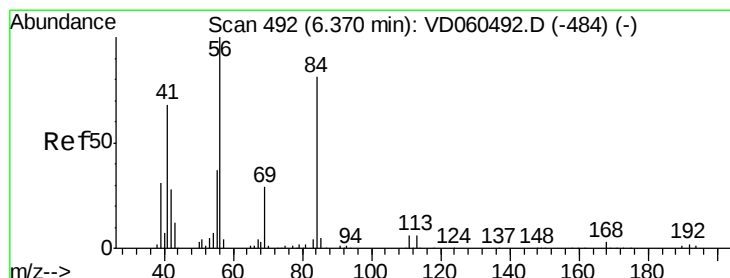
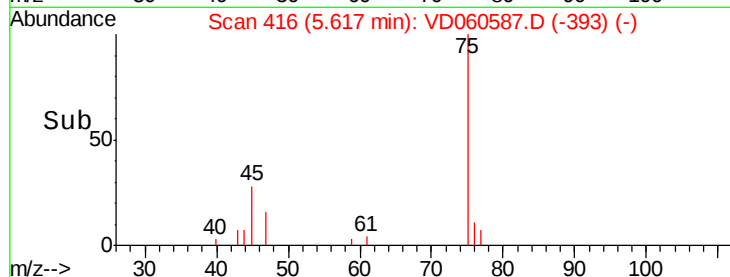
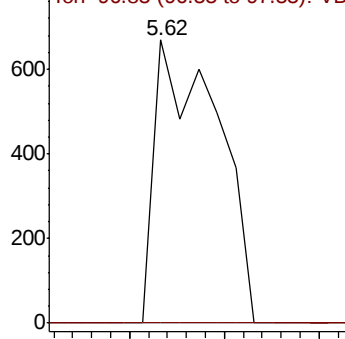
Ion Ratio Lower Upper

77 100

97 0.0 12.7 38.0#



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.39 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

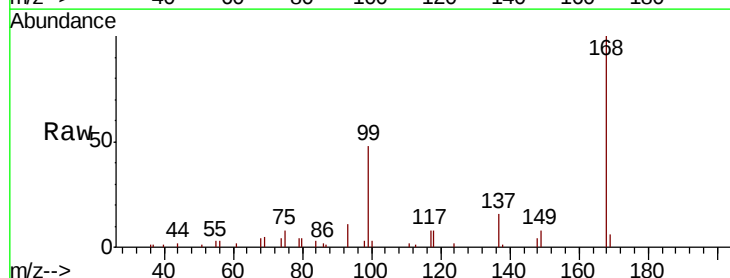
Tgt Ion: 56 Resp: 1956

Ion Ratio Lower Upper

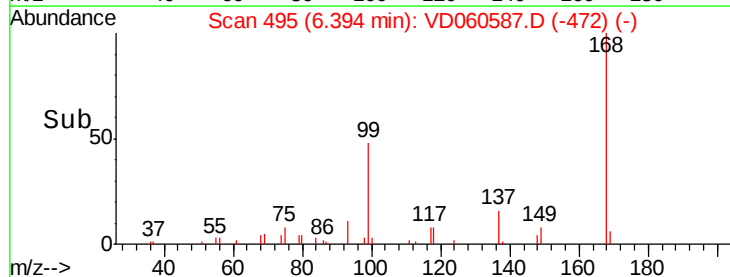
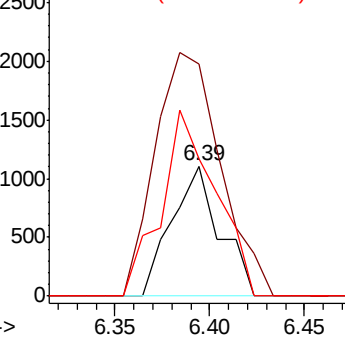
56 100

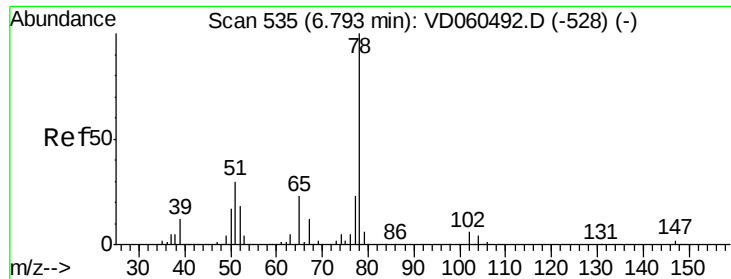
69 178.7 22.8 34.2#

84 105.8 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: VD060587.D

Acq: 14 Dec 2018 21:43

Instrument :

MSVOA_D

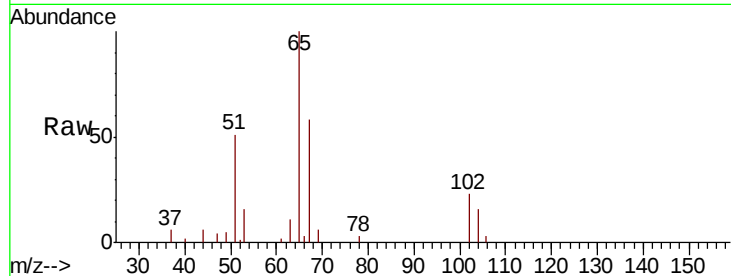
ClientSampleId :

Tot Ion: 65 Resp: 74866

Ion Ratio Lower Upper

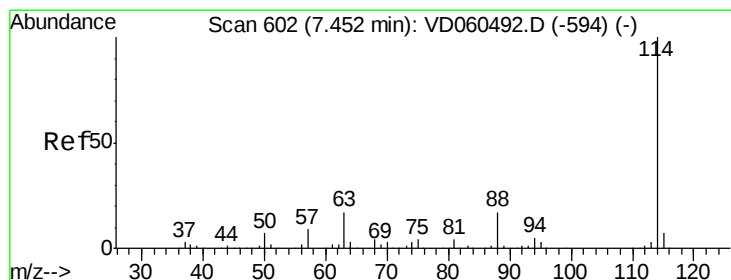
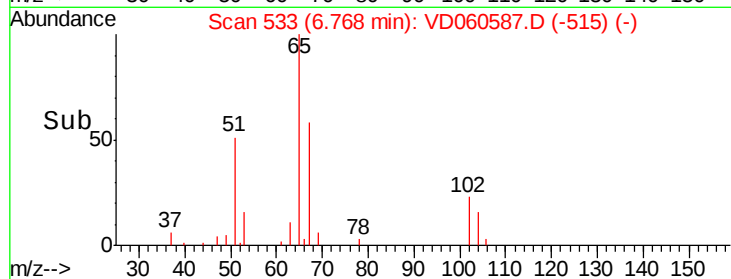
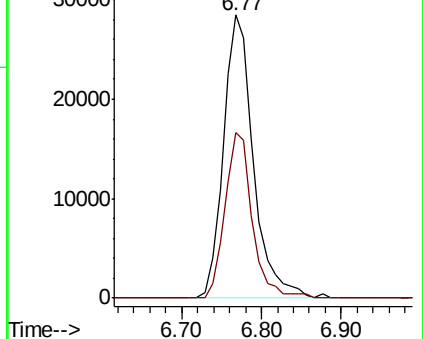
65 100

67 58.4 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: VD060587.D

Acq: 14 Dec 2018 21:43

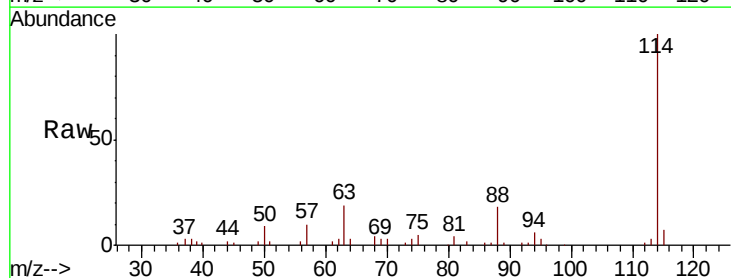
Tgt Ion: 114 Resp: 191739

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.2

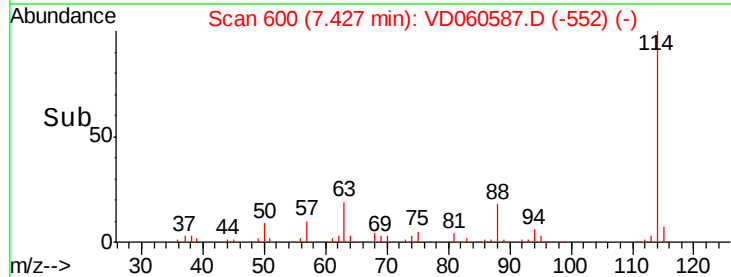
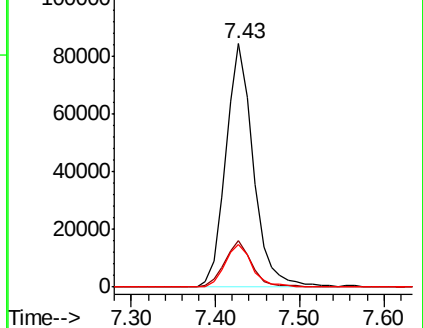
88 17.8 0.0 35.0

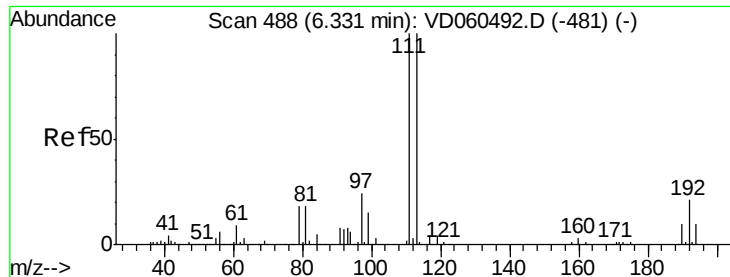


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

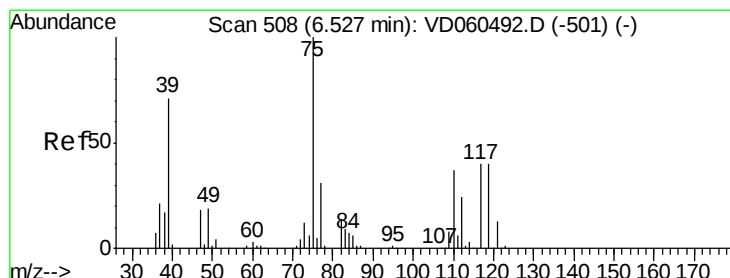
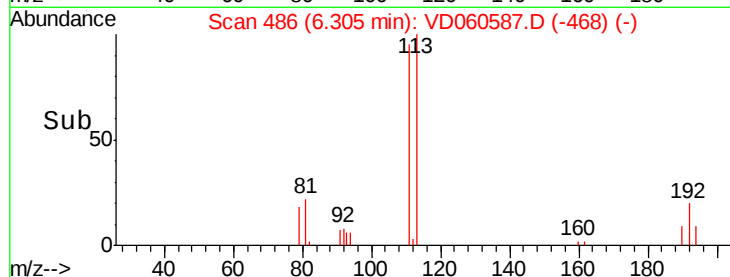
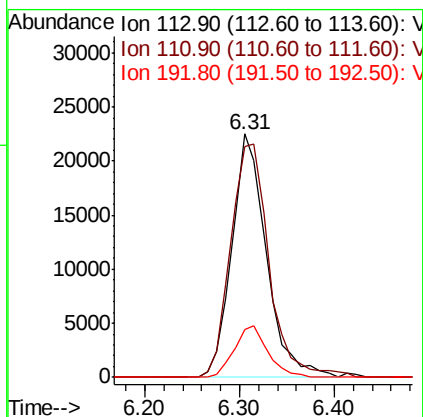
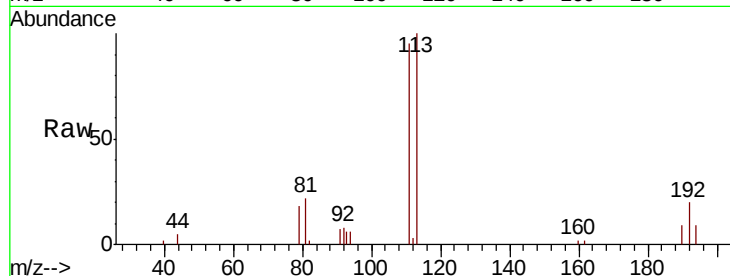




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060587.D
 Acq: 14 Dec 2018 21:43

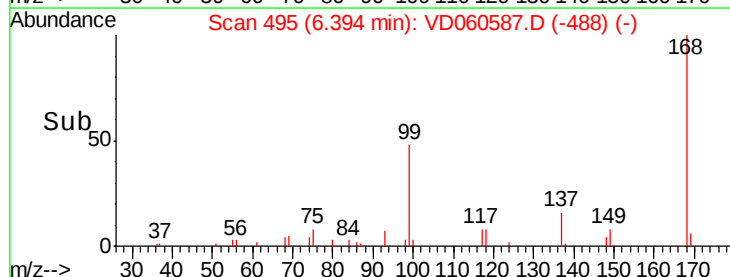
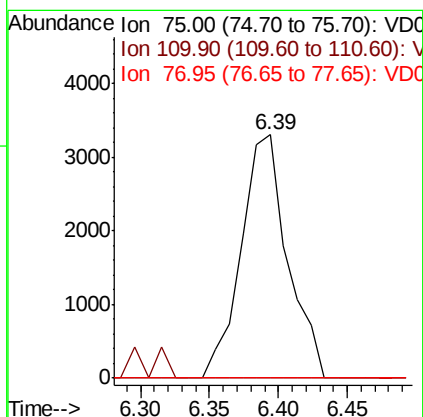
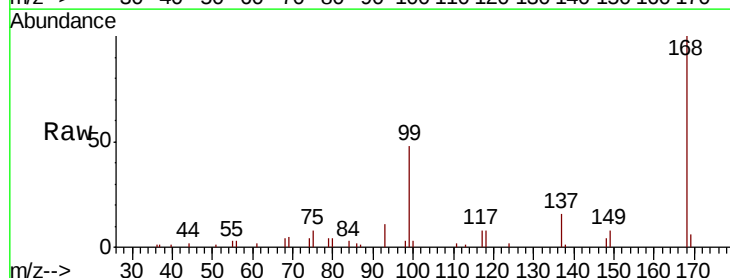
Instrument :
 MSVOA_D
 ClientSampled :

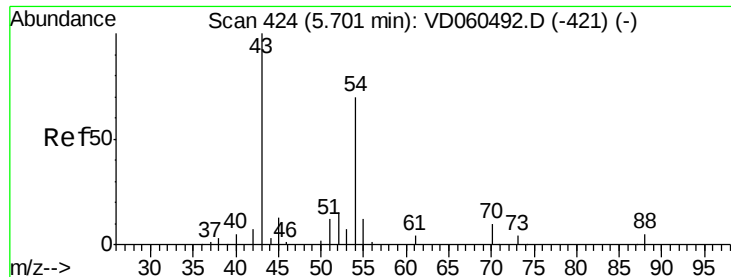
Tot Ion:113 Resp: 56972
 Ion Ratio Lower Upper
 113 100
 111 95.0 80.2 120.4
 192 19.6 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 4.140 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.13 min
 Lab File: VD060587.D
 Acq: 14 Dec 2018 21:43

Tgt Ion: 75 Resp: 7759
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.0 24.6 37.0#

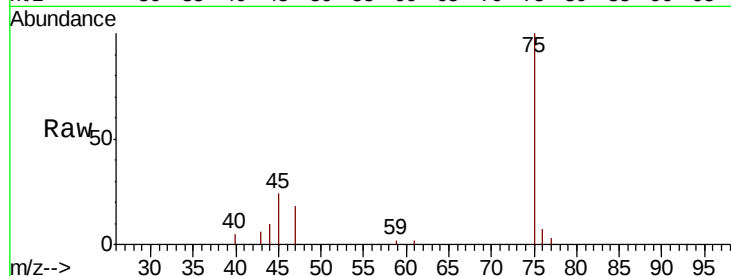




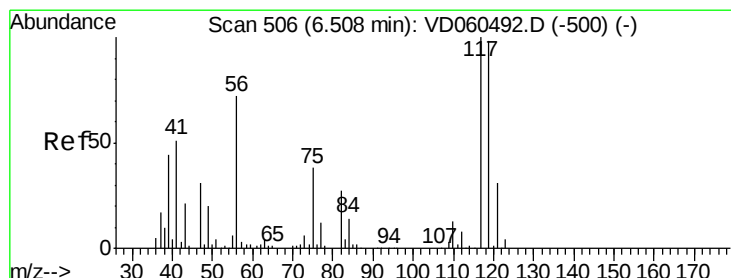
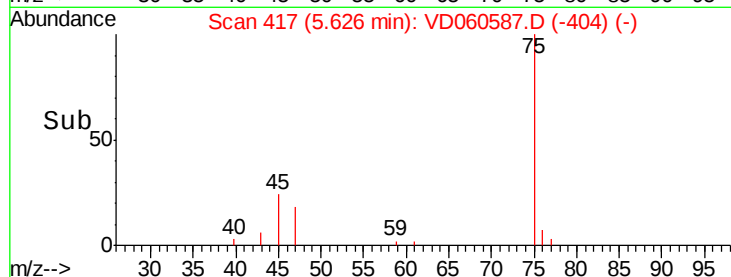
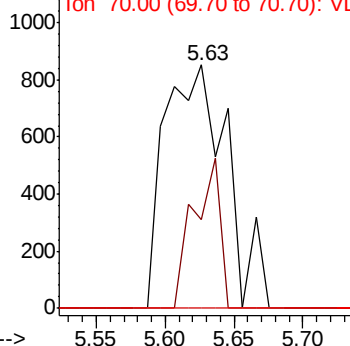
#37
Ethyl Acetate
Concen: 3.303 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.07 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
61 36.3 12.4 18.6#
70 0.0 5.4 8.0#

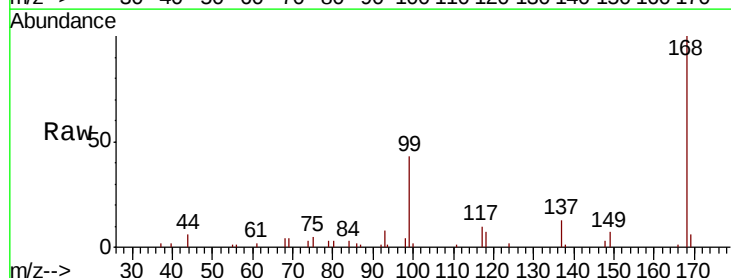


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

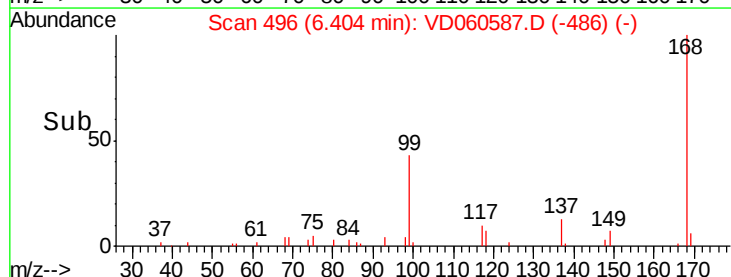
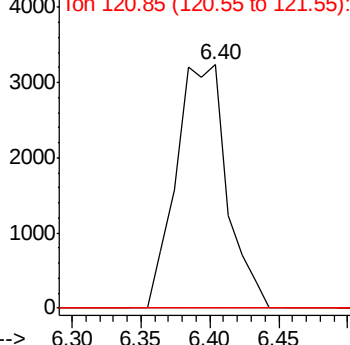


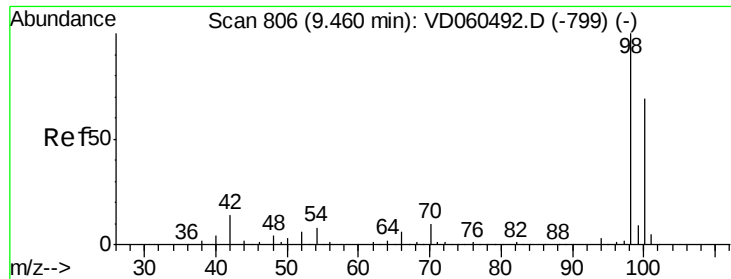
#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

Tgt Ion: 117 Resp: 8337
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: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

Instrument :

MSVOA_D

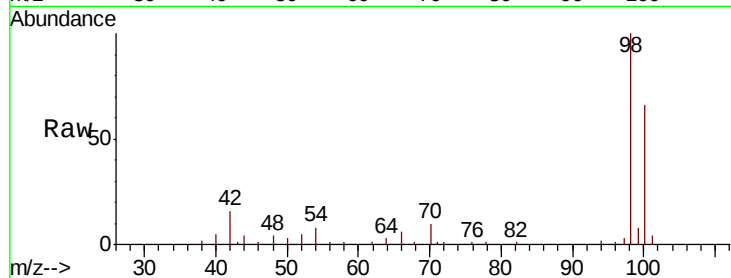
ClientSampleId :

Tot Ion: 98 Resp: 123658

Ion Ratio Lower Upper

98 100

100 65.8 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) (-)

9.44

60000

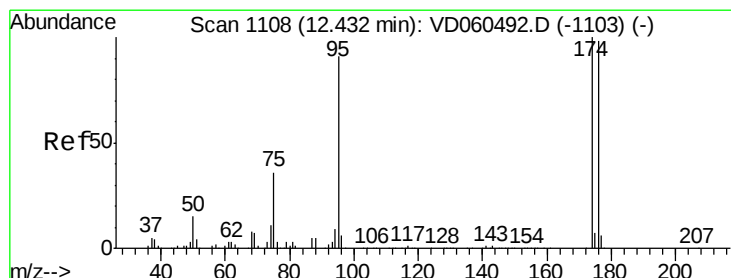
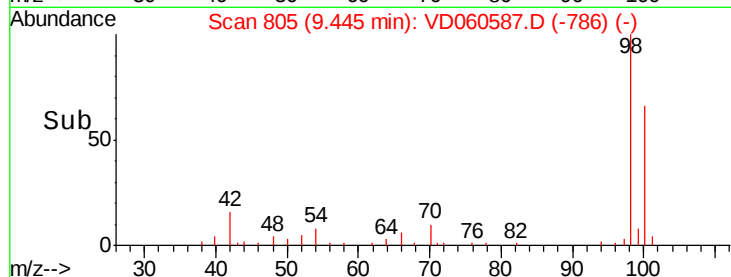
40000

20000

0

9.35 9.40 9.45 9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

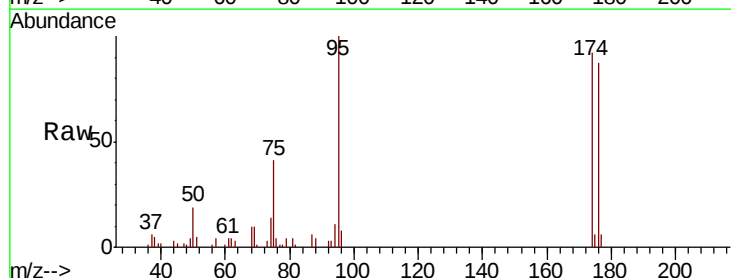
Tgt Ion: 95 Resp: 50114

Ion Ratio Lower Upper

95 100

174 92.0 0.0 219.4

176 86.9 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) (-)

12.42

50000

40000

30000

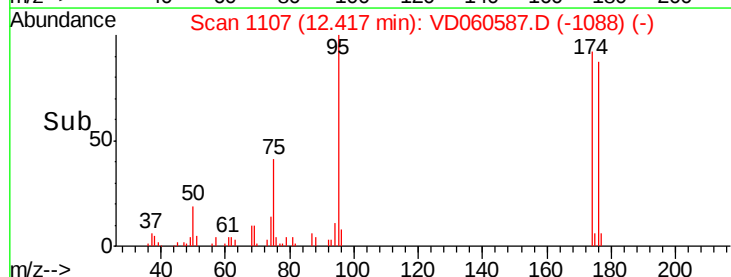
20000

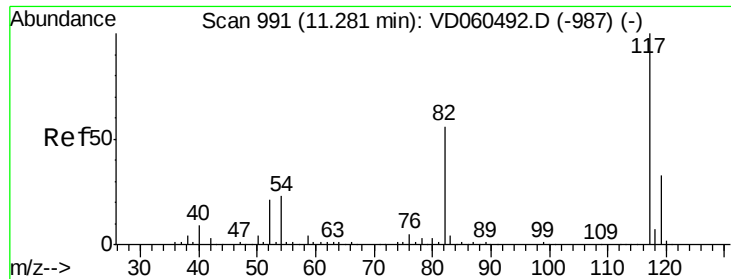
10000

0

12.35 12.40 12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

Instrument :

MSVOA_D

ClientSampled :

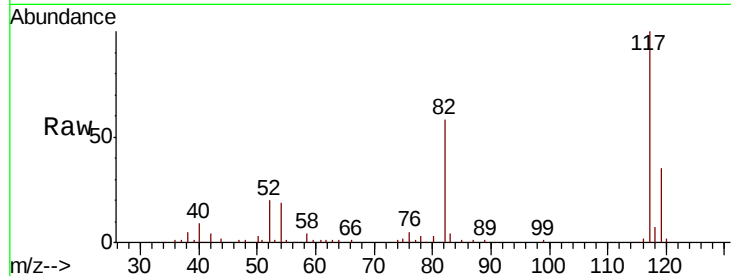
Tot Ion:117 Resp: 154391

Ion Ratio Lower Upper

117 100

82 57.8 45.2 67.8

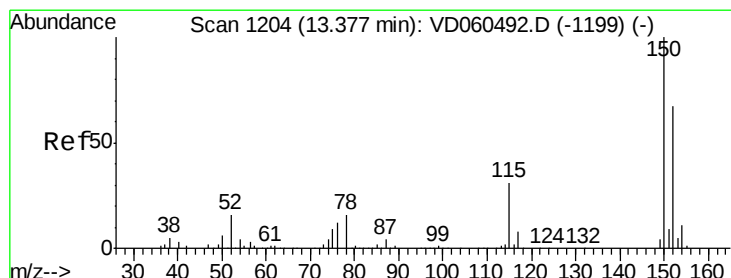
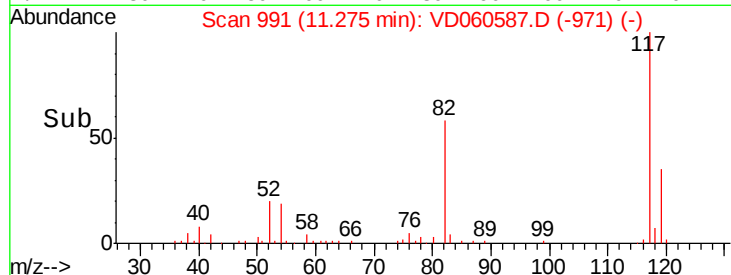
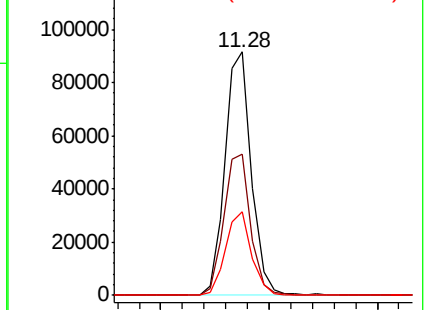
119 34.6 26.1 39.1



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: VD060587.D

Acq: 14 Dec 2018 21:43

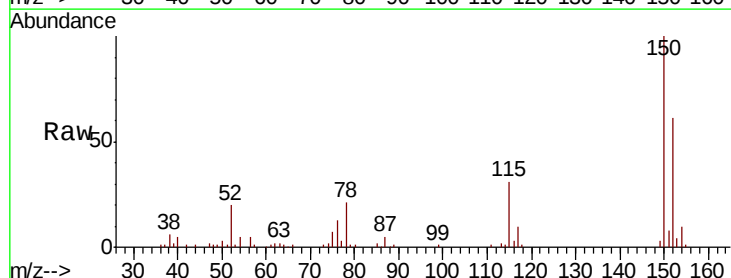
Tgt Ion:152 Resp: 64867

Ion Ratio Lower Upper

152 100

115 50.6 24.6 74.0

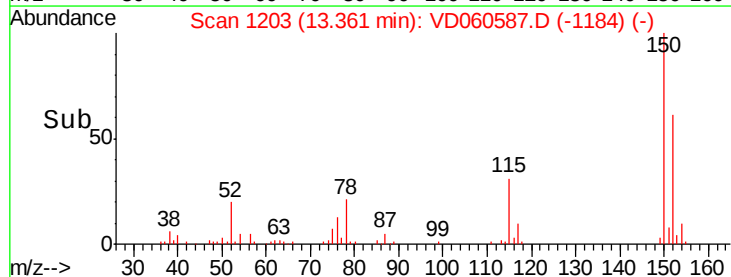
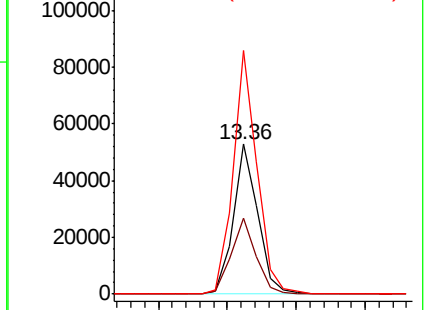
150 162.6 0.0 309.0

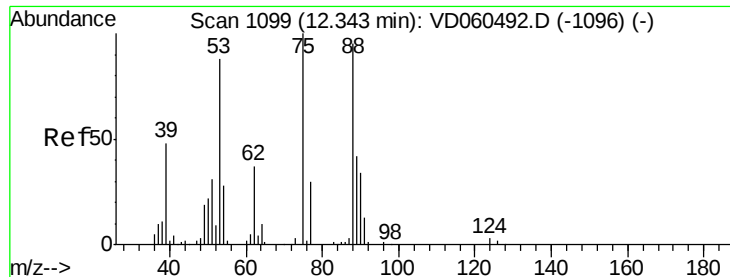


Abundance Ion 151.90 (151.60 to 152.60): V

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: 104.586 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060587.D

Acq: 14 Dec 2018 21:43

Instrument :

MSVOA_D

ClientSampleId :

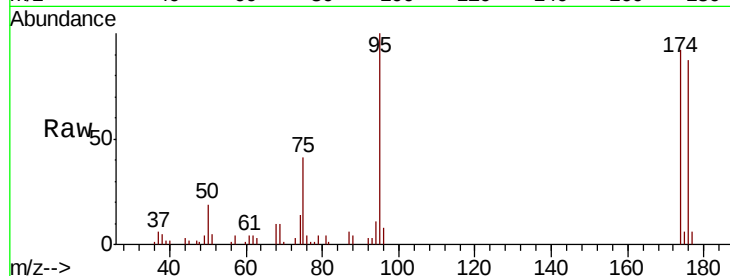
Tot Ion: 75 Resp: 21439

Ion Ratio Lower Upper

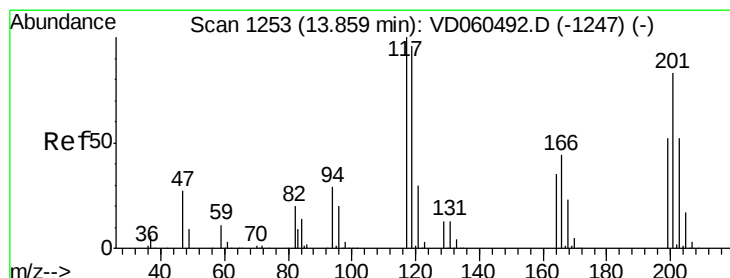
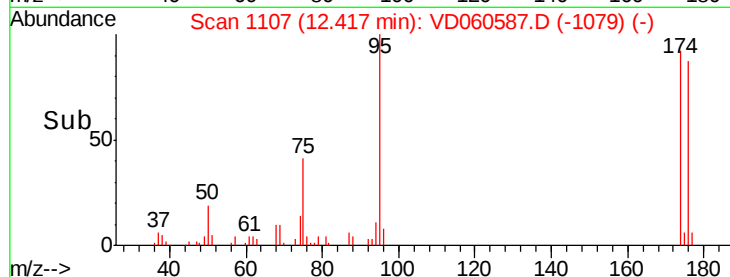
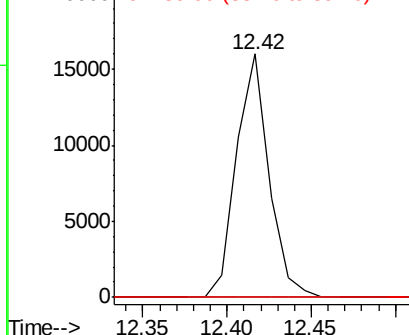
75 100

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



#90

Hexachloroethane

Concen: 1.085 ug/l

RT: 13.97 min Scan# 1265

Delta R.T. 0.11 min

Lab File: VD060587.D

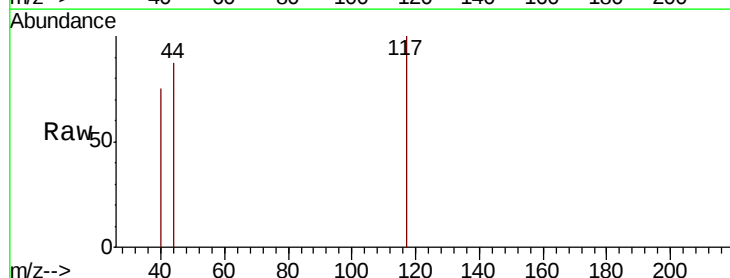
Acq: 14 Dec 2018 21:43

Tgt Ion: 117 Resp: 1057

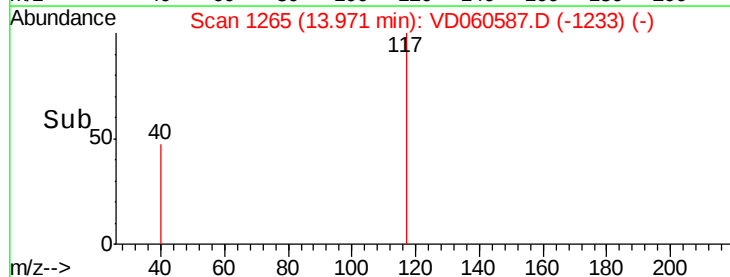
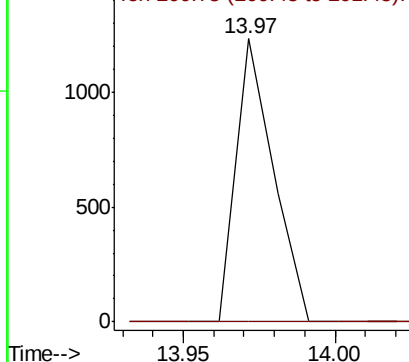
Ion Ratio Lower Upper

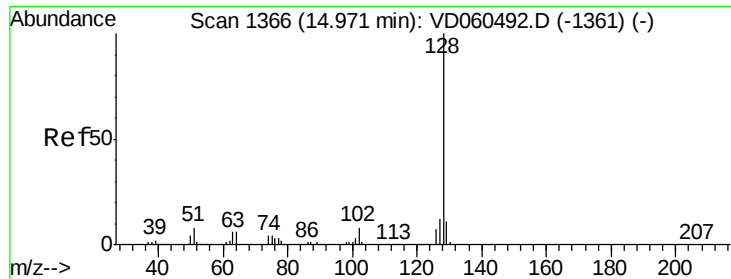
117 100

201 0.0 41.3 123.9#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

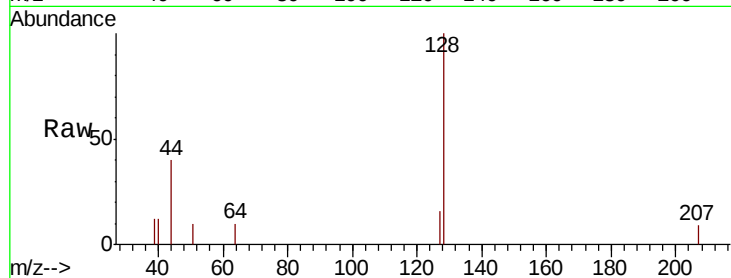




#95
Naphthalene
Concen: 2.815 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060587.D
Acq: 14 Dec 2018 21:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	9.8	14.8#
129	0.0	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

