

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060580.D
 Acq On : 14 Dec 2018 18:26
 Operator : VA/AP
 Sample : J6403-37
 Misc : 4.89g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:24:47 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	1497528	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1974561	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1344902	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	488367	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	464750	43.78	ug/l	-0.03
Spiked Amount			Recovery	=	87.56%	
35) Dibromofluoromethane	6.31	113	647288	44.63	ug/l	-0.02
Spiked Amount			Recovery	=	89.26%	
50) Toluene-d8	9.44	98	1840403	43.85	ug/l	-0.02
Spiked Amount			Recovery	=	87.70%	
62) 4-Bromofluorobenzene	12.41	95	513420	34.19	ug/l	-0.02
Spiked Amount			Recovery	=	68.38%	

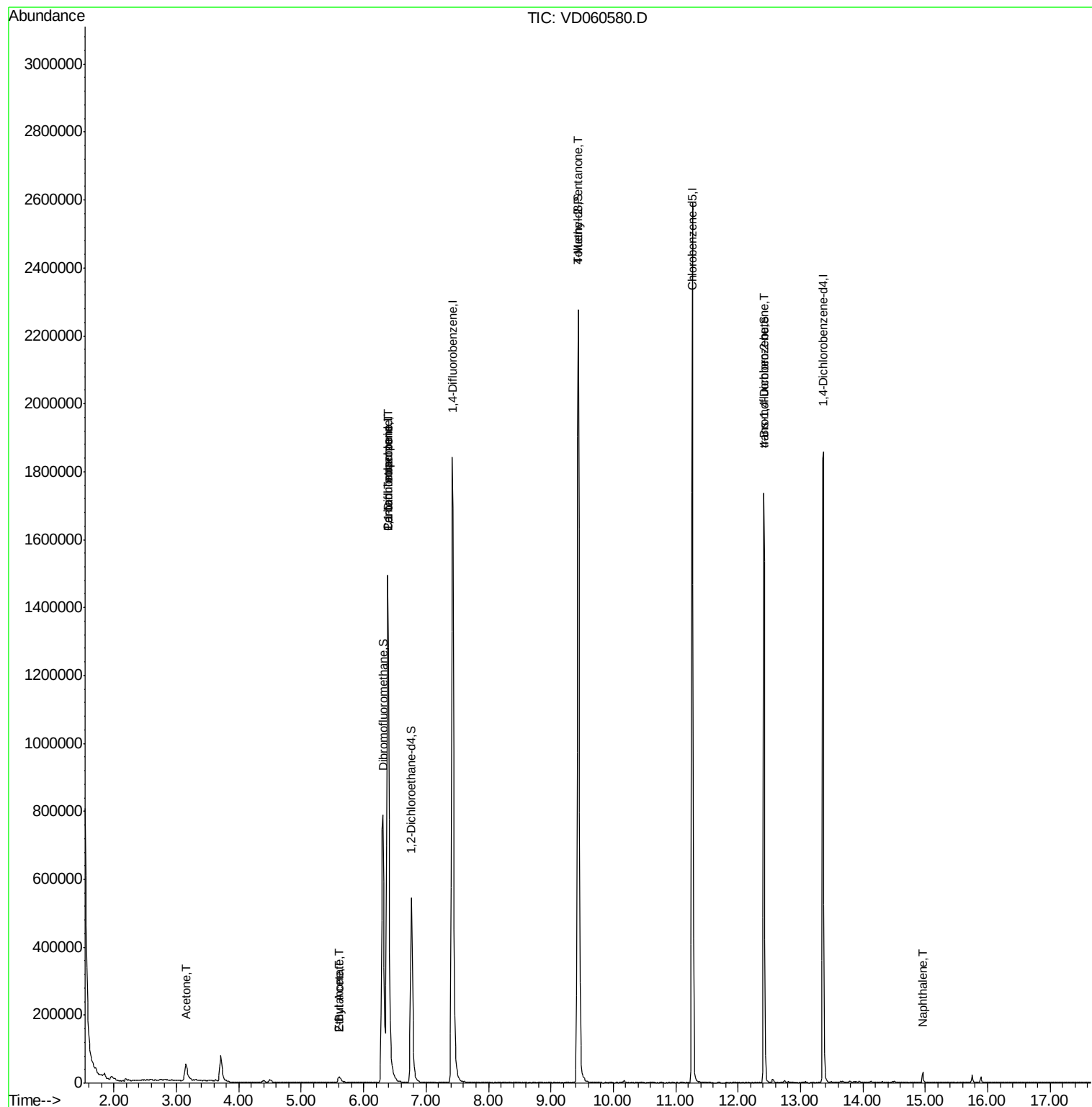
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	250	Below Cal	#	41
16) Acetone	3.15	43	110772	65.106	ug/l	95
20) Methylene Chloride	3.71	84	46500	Below Cal		93
25) 2-Butanone	5.60	43	24860	7.427	ug/l #	87
31) Cyclohexane	6.39	56	26796	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	106076	5.496	ug/l #	47
37) Ethyl Acetate	5.60	43	24860	2.970	ug/l #	68
38) Carbon Tetrachloride	6.39	117	113848	6.570	ug/l #	15
51) 4-Methyl-2-Pentanone	9.43	43	9949	1.548	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	210360	136.304	ug/l #	14
89) n-Butylbenzene	13.64	91	409	Below Cal	#	29
95) Naphthalene	14.96	128	19742	1.579	ug/l	96

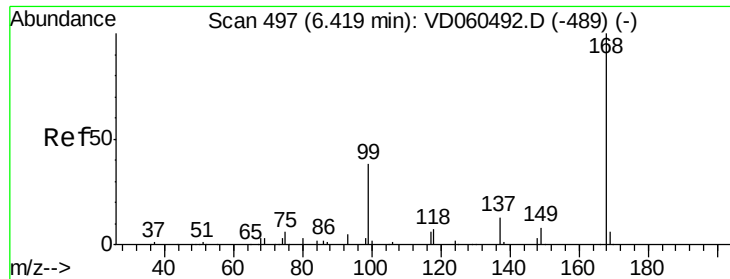
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

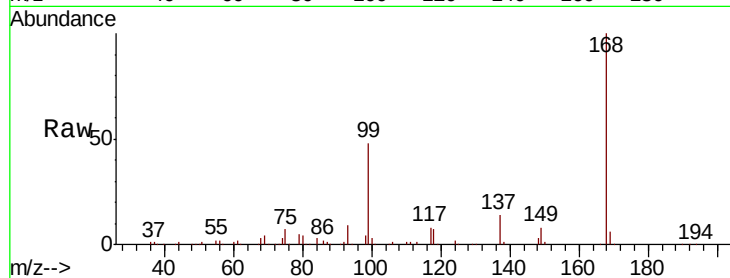
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1497528

Ion Ratio Lower Upper

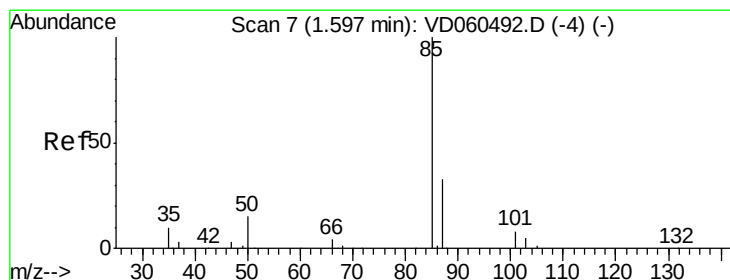
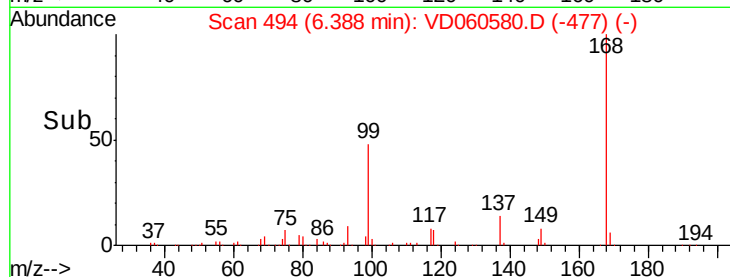
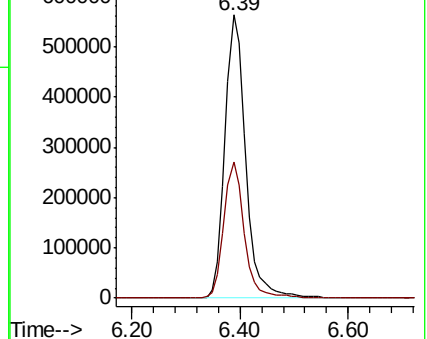
168 100

99 48.2 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060580.D

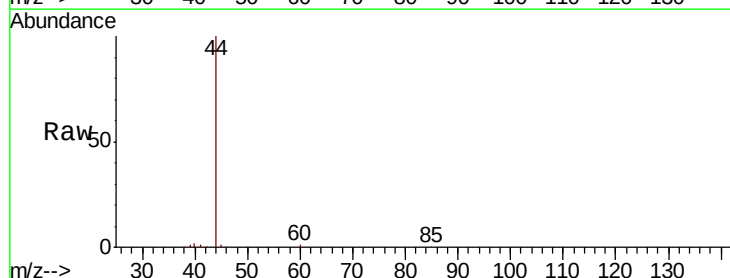
Acq: 14 Dec 2018 18:26

Tgt Ion: 85 Resp: 250

Ion Ratio Lower Upper

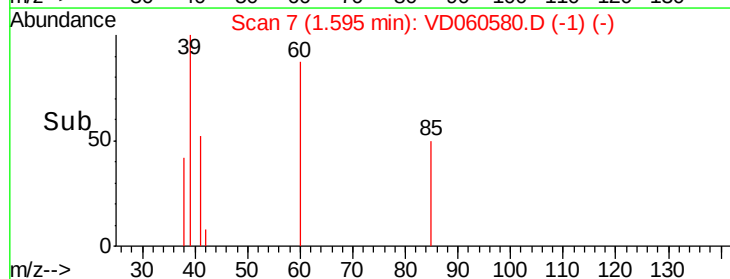
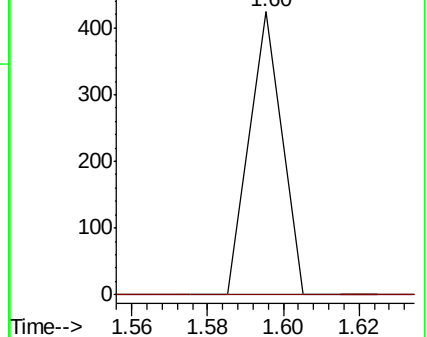
85 100

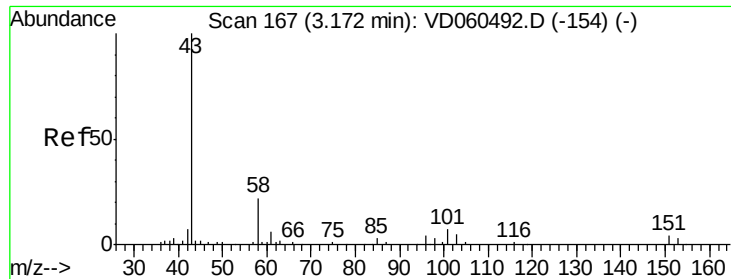
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 65.106 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

Instrument :

MSVOA_D

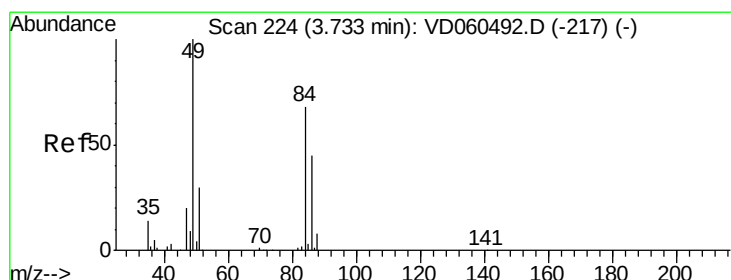
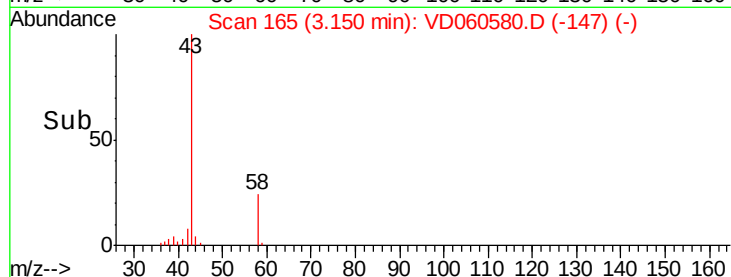
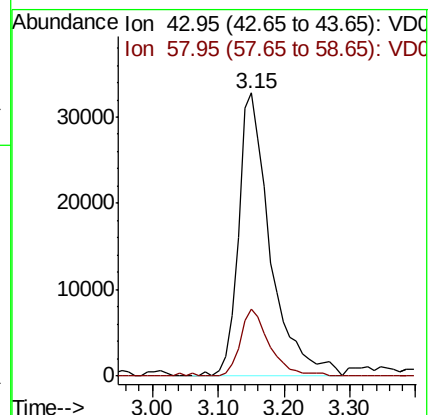
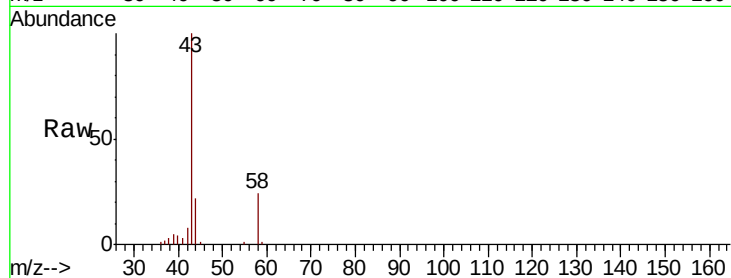
ClientSampleId :

Tot Ion: 43 Resp: 110772

Ion Ratio Lower Upper

43 100

58 23.8 17.3 25.9



#20

Methylene Chloride

Concen: Below Cal

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

Tgt Ion: 84 Resp: 46500

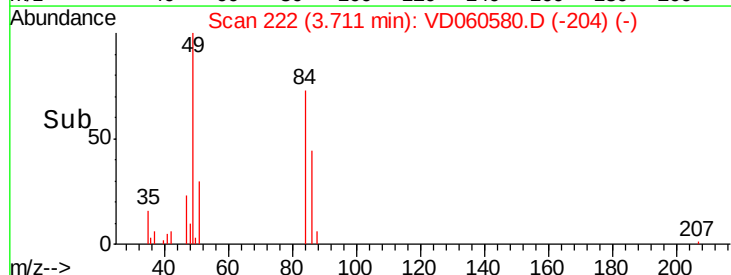
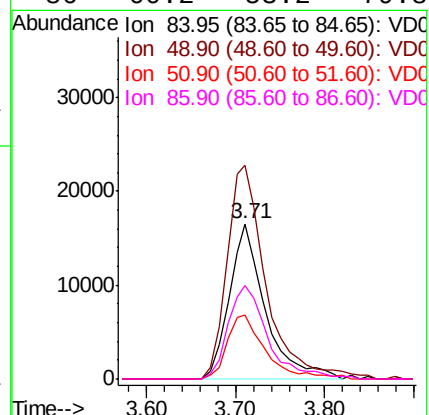
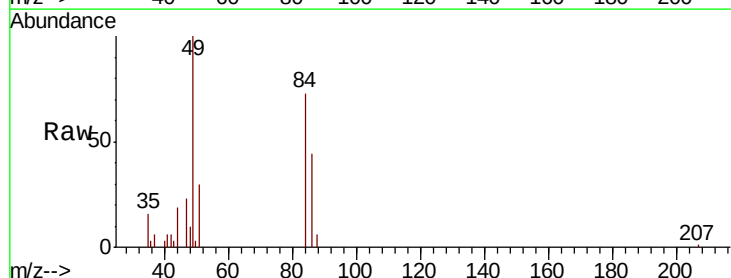
Ion Ratio Lower Upper

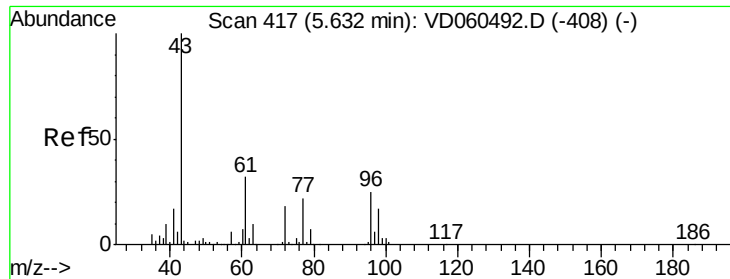
84 100

49 137.7 117.2 175.8

51 40.9 35.3 52.9

86 60.2 53.2 79.8





#25

2-Butanone

Concen: 7.427 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.03 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

Instrument :

MSVOA_D

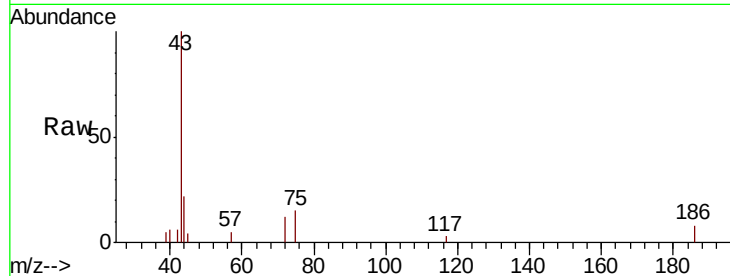
ClientSampleId :

Tot Ion: 43 Resp: 24860

Ion Ratio Lower Upper

43 100

72 12.3 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

10000

8000

6000

4000

2000

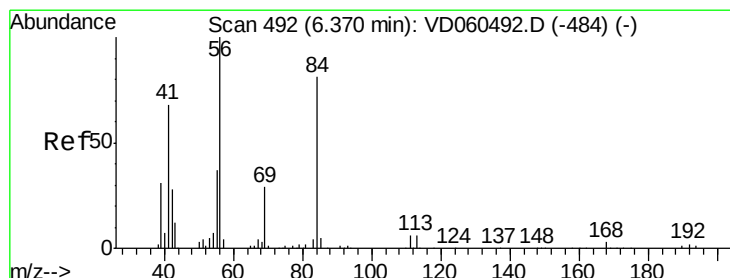
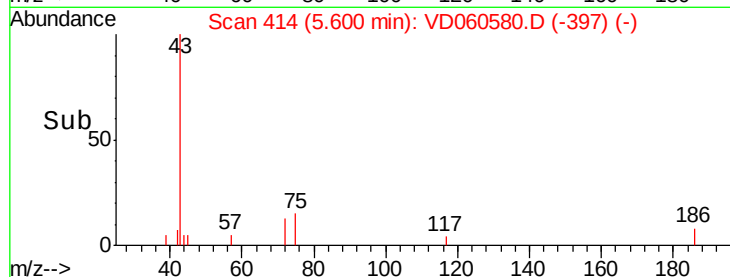
0

5.50

5.60

5.70

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 6.39 min Scan# 494

Delta R.T. 0.02 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

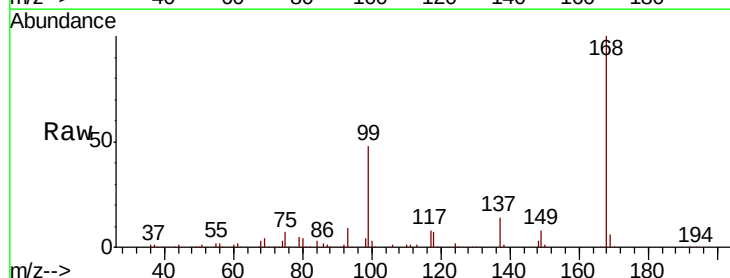
Tgt Ion: 56 Resp: 26796

Ion Ratio Lower Upper

56 100

69 213.9 22.8 34.2#

84 171.4 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

30000

25000

20000

15000

10000

5000

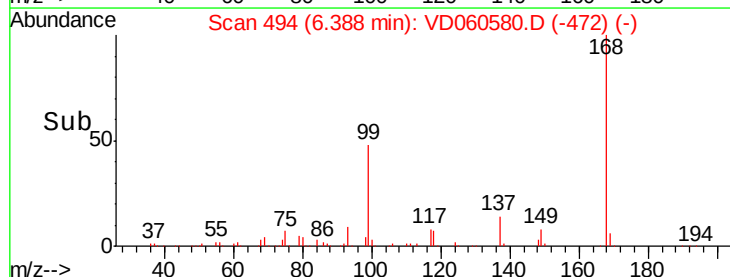
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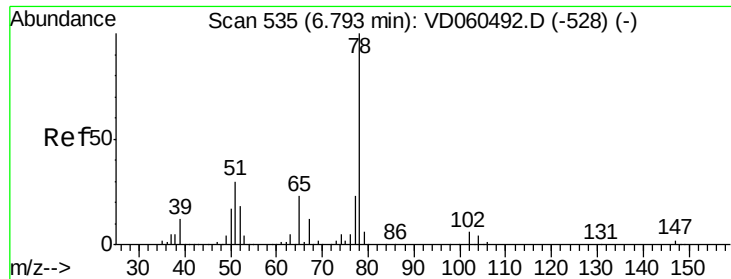
6.30

6.40

6.50

Time-->

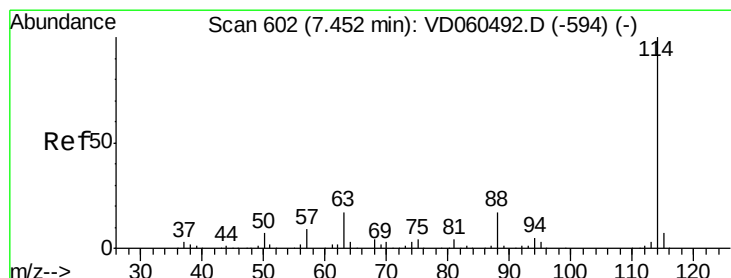
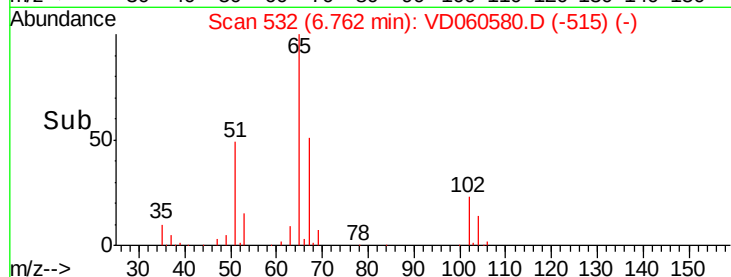
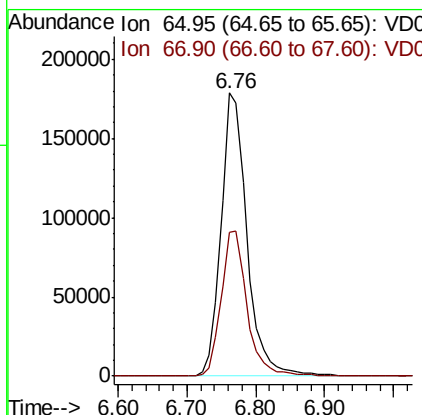
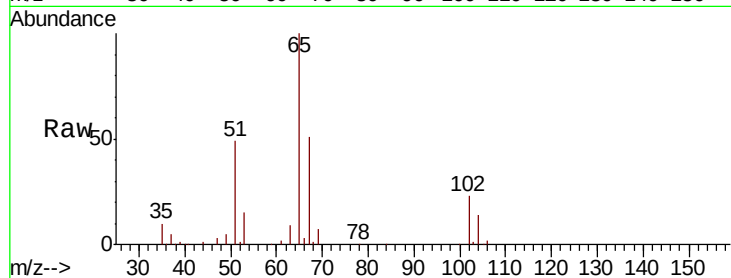




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VD060580.D
 Acq: 14 Dec 2018 18:26

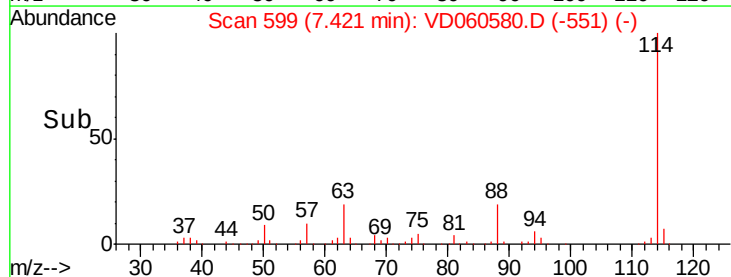
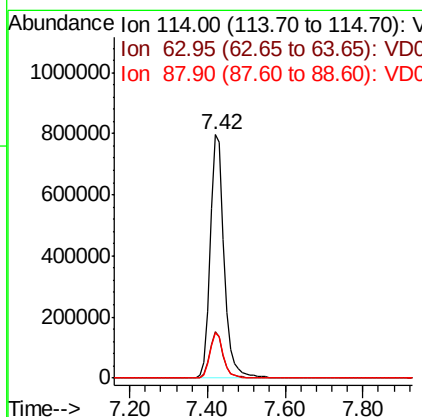
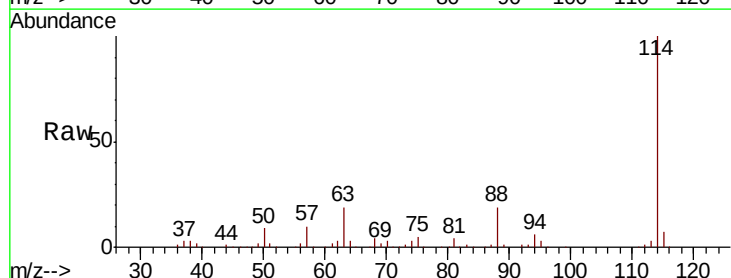
Instrument :
 MSVOA_D
 ClientSampleId :

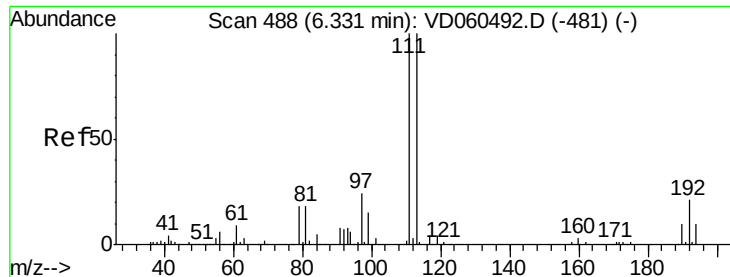
Tot Ion: 65 Resp: 464750
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD060580.D
 Acq: 14 Dec 2018 18:26

Tgt Ion:114 Resp: 1974561
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.2
 88 18.7 0.0 35.0

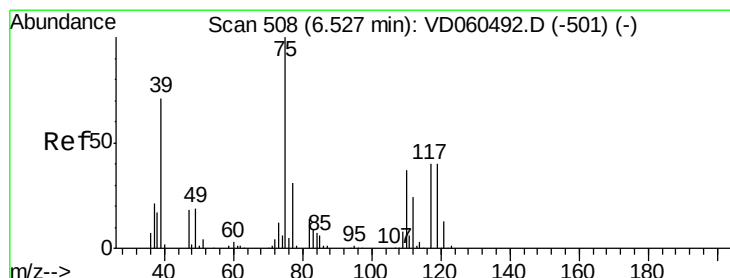
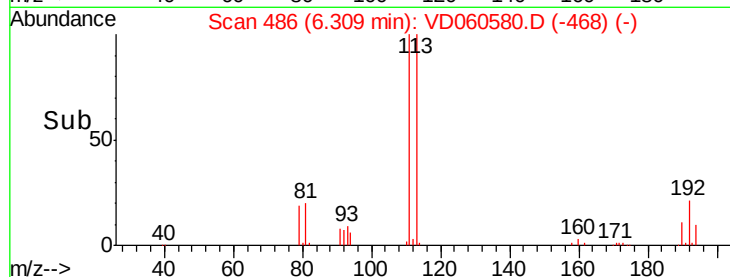
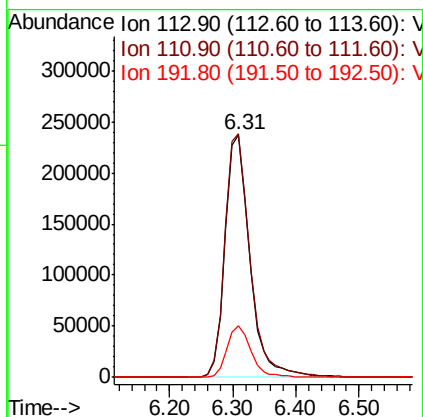
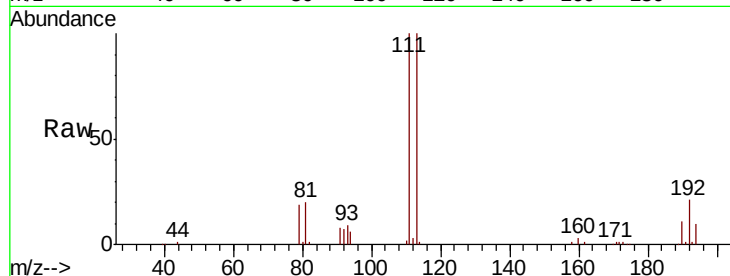




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060580.D
 Acq: 14 Dec 2018 18:26

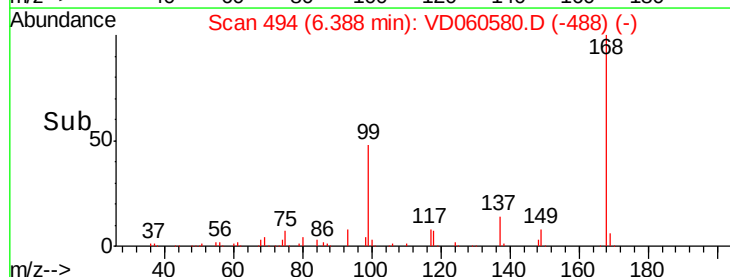
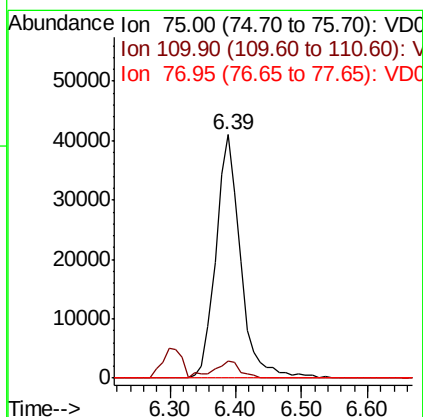
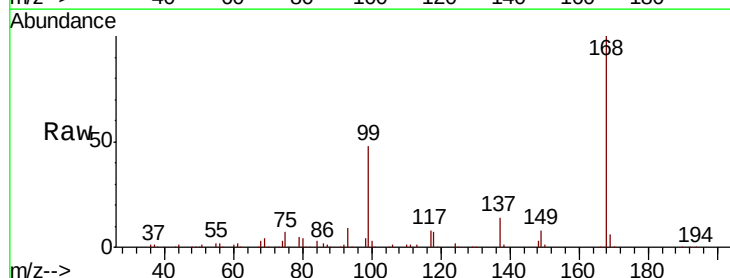
Instrument :
 MSVOA_D
 ClientSampleId :

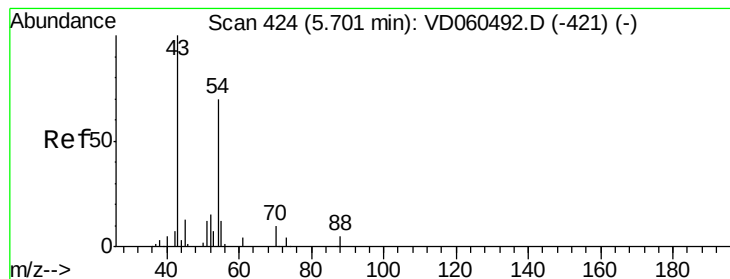
Tot Ion:113 Resp: 647288
 Ion Ratio Lower Upper
 113 100
 111 100.5 80.2 120.4
 192 21.2 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 5.496 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060580.D
 Acq: 14 Dec 2018 18:26

Tgt Ion: 75 Resp: 106076
 Ion Ratio Lower Upper
 75 100
 110 6.9 18.3 54.8#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.970 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.10 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

Instrument :

MSVOA_D

ClientSampleId :

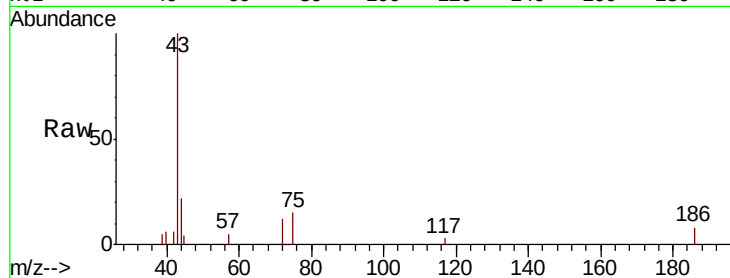
Tot Ion: 43 Resp: 24860

Ion Ratio Lower Upper

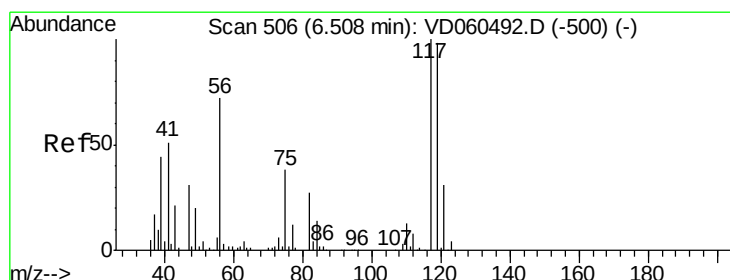
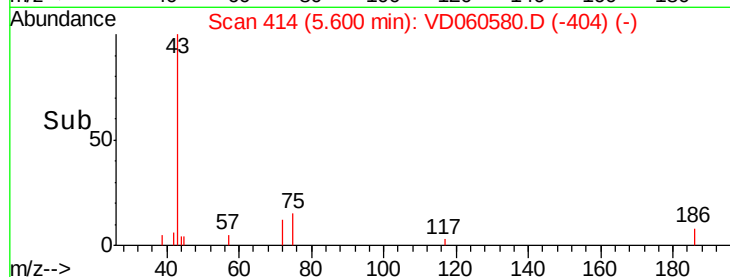
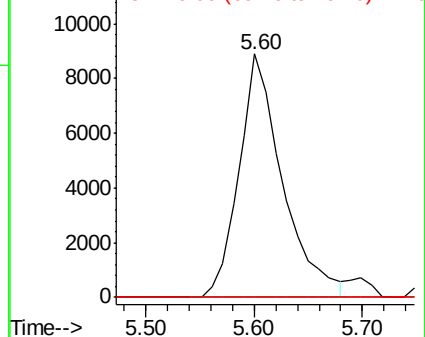
43 100

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: 6.570 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060580.D

Acq: 14 Dec 2018 18:26

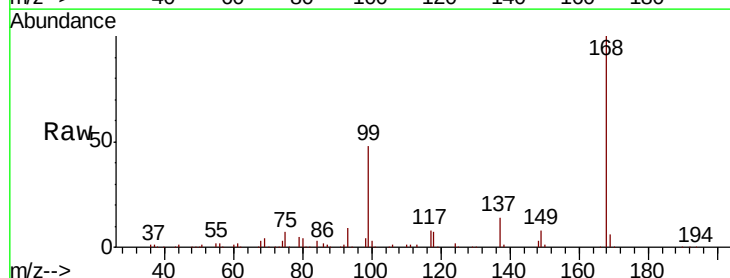
Tgt Ion: 117 Resp: 113848

Ion Ratio Lower Upper

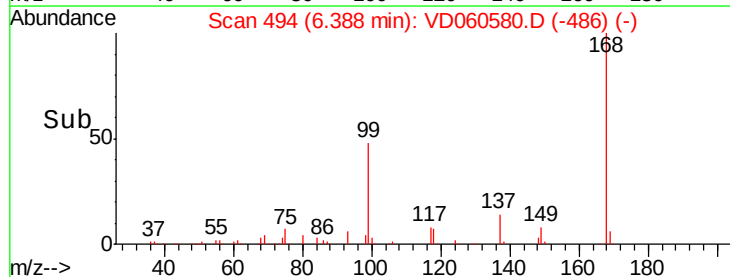
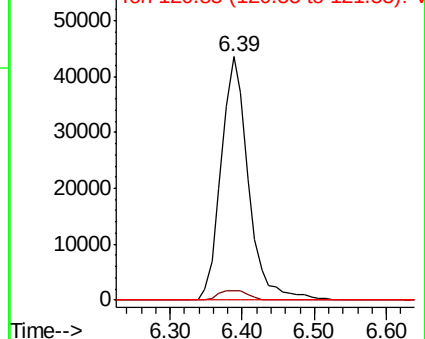
117 100

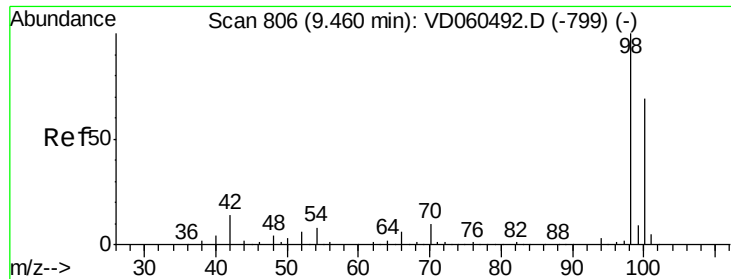
119 3.7 76.8 115.2#

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

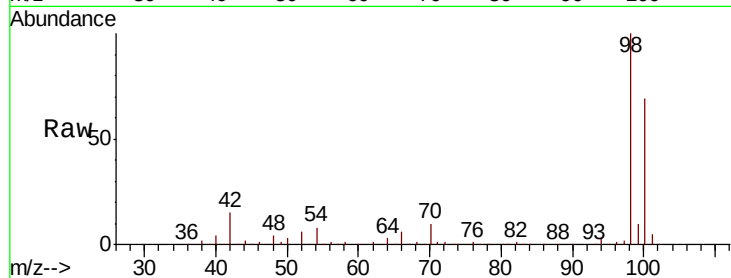




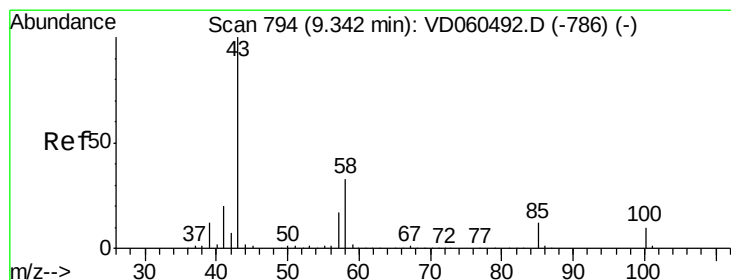
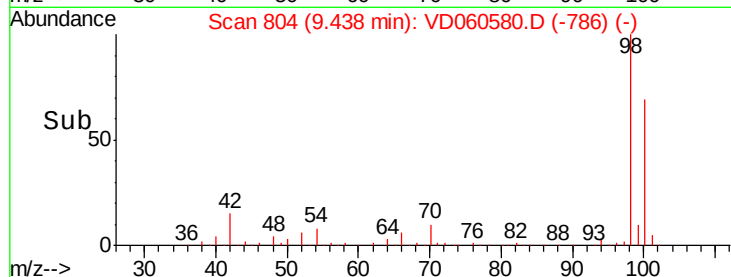
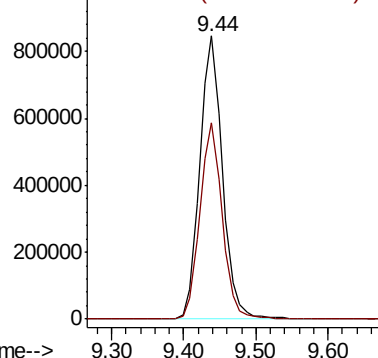
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1840403
Ion Ratio Lower Upper
98 100
100 69.4 55.7 83.5

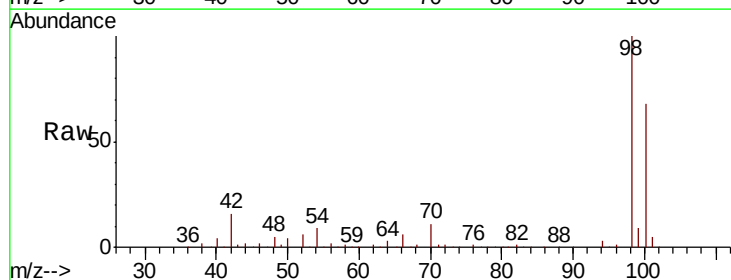


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

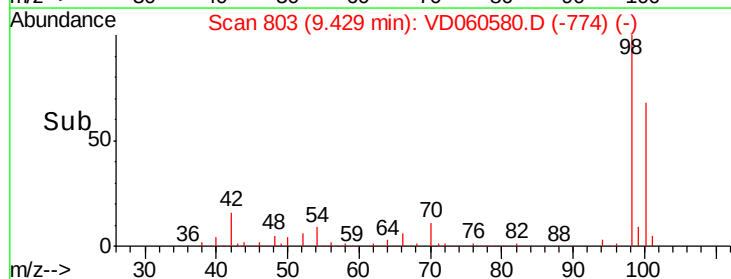
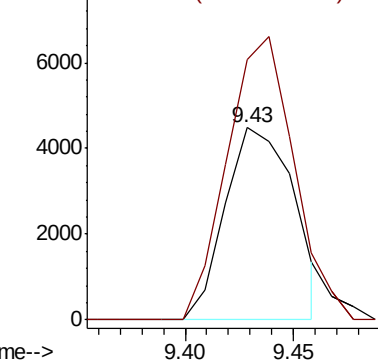


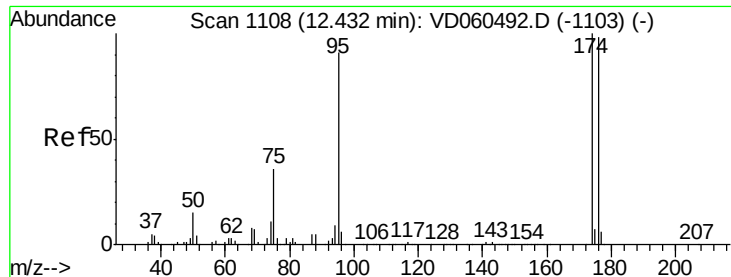
#51
4-Methyl-2-Pentanone
Concen: 1.548 ug/l
RT: 9.43 min Scan# 803
Delta R.T. 0.09 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Tgt Ion: 43 Resp: 9949
Ion Ratio Lower Upper
43 100
58 135.1 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-786) (-)
Ion 57.95 (57.65 to 58.65): VD060492.D (-786) (-)

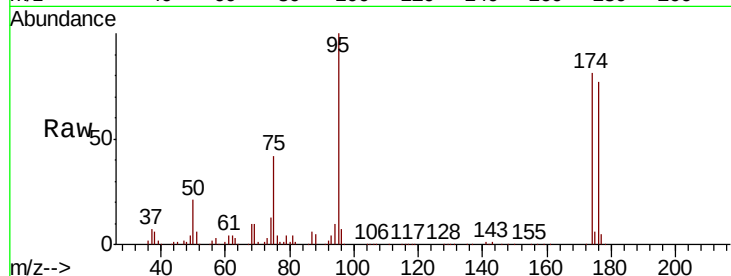




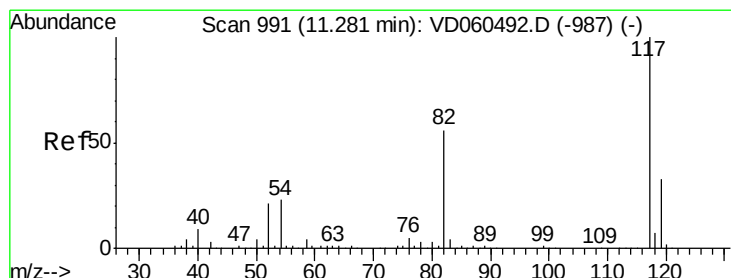
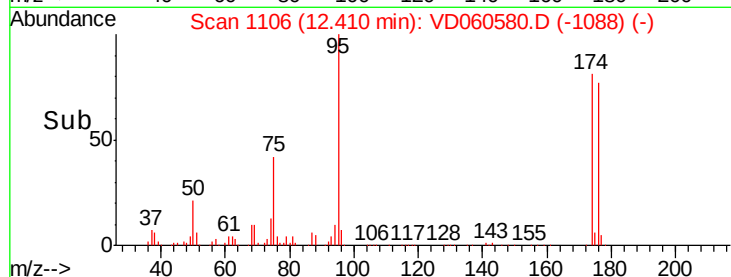
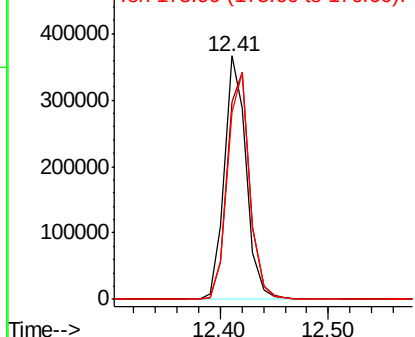
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 513420
Ion Ratio Lower Upper
95 100
174 80.9 0.0 219.4
176 77.1 0.0 214.6

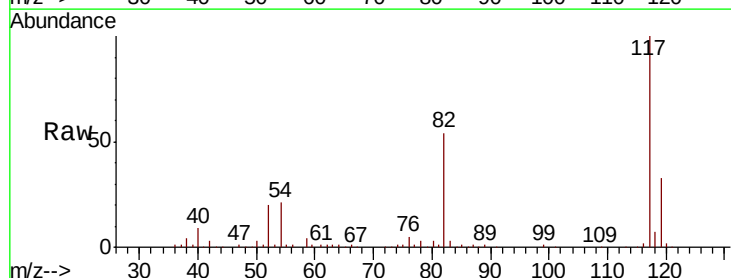


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

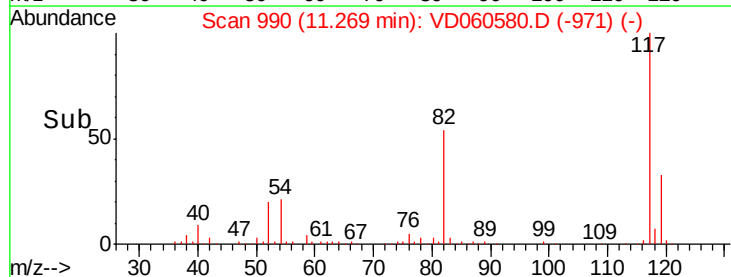
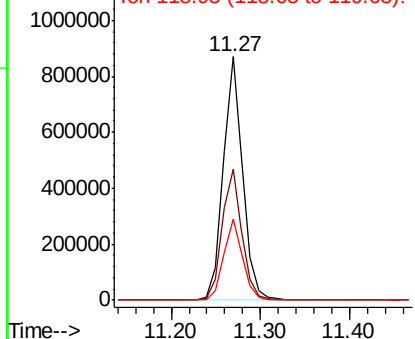


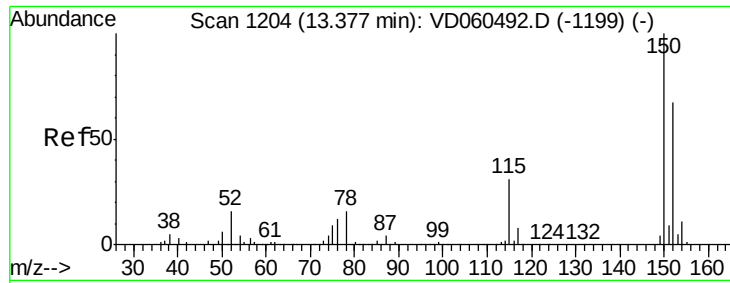
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Tgt Ion: 117 Resp: 1344902
Ion Ratio Lower Upper
117 100
82 53.8 45.2 67.8
119 33.1 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



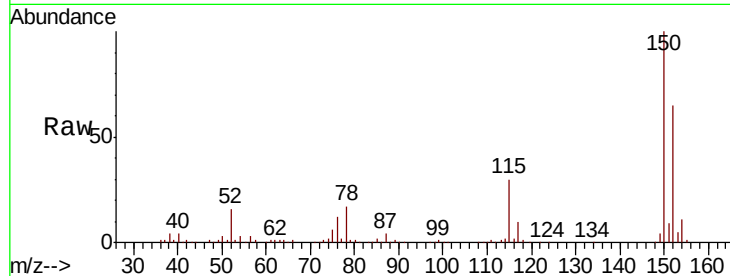


#72

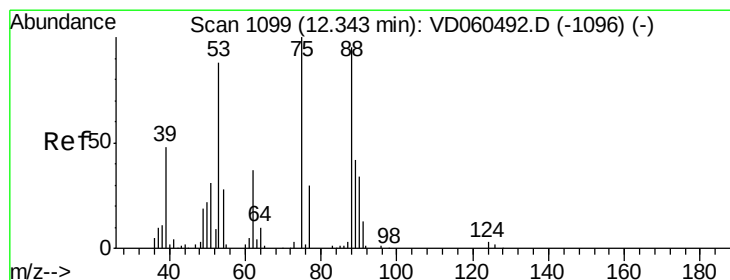
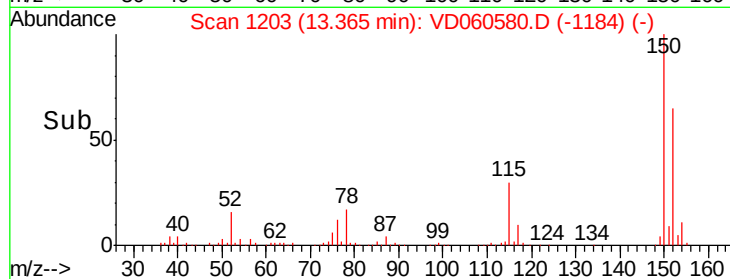
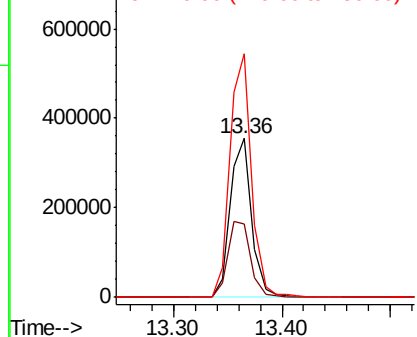
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	46.2	24.6	74.0
150	153.4	0.0	309.0



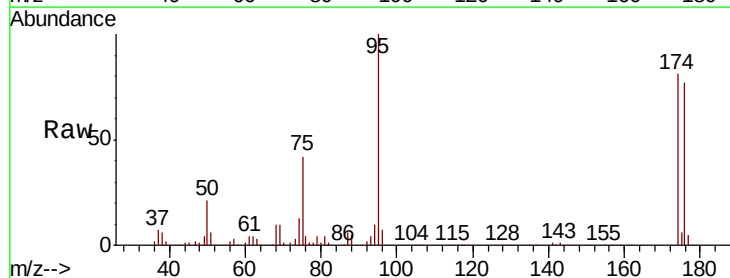
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



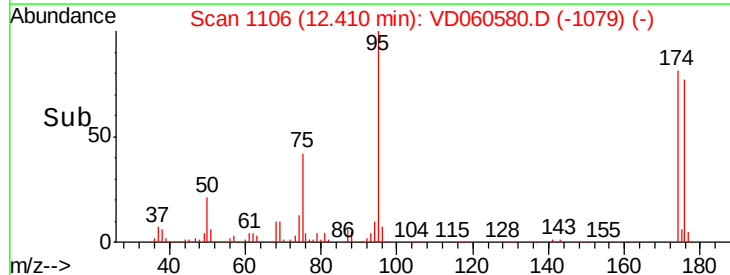
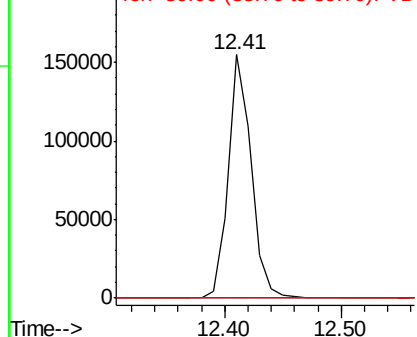
#81

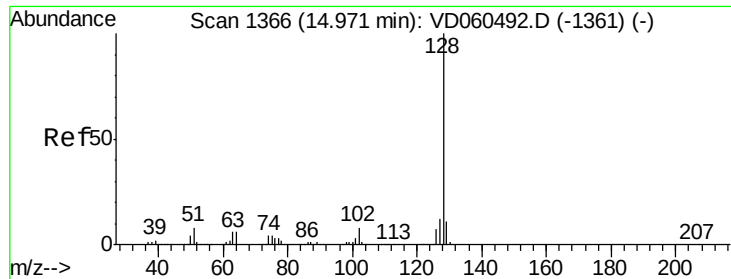
trans-1,4-Dichloro-2-butene
Concen: 136.304 ug/l
RT: 12.41 min Scan# 1106
Delta R.T. 0.07 min
Lab File: VD060580.D
Acq: 14 Dec 2018 18:26

Tgt 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

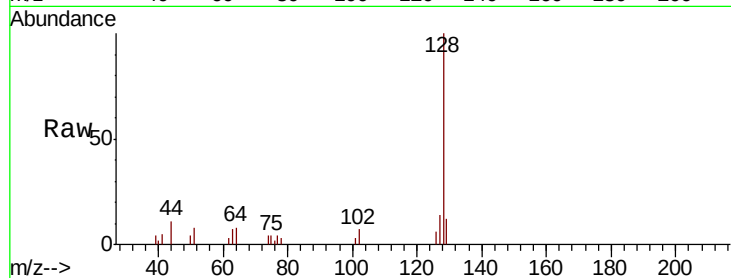




#95
 Naphthalene
 Concen: 1.579 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD060580.D
 Acq: 14 Dec 2018 18:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.8	14.8
129	11.8	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

