

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060023.D
 Acq On : 17 Sep 2018 16:06
 Operator : JC/SY
 Sample : J4773-03RE
 Misc : 6.75g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-BRE

Quant Time: Sep 18 04:40:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1213940	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1680352	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1277816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	586487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	467954	49.43	ug/l	0.02
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	6.32	113	573531	43.69	ug/l	0.02
Spiked Amount			Recovery	=	87.38%	
50) Toluene-d8	9.45	98	1518739	41.74	ug/l	0.00
Spiked Amount			Recovery	=	83.48%	
62) 4-Bromofluorobenzene	12.42	95	544240	39.15	ug/l	0.00
Spiked Amount			Recovery	=	78.30%	

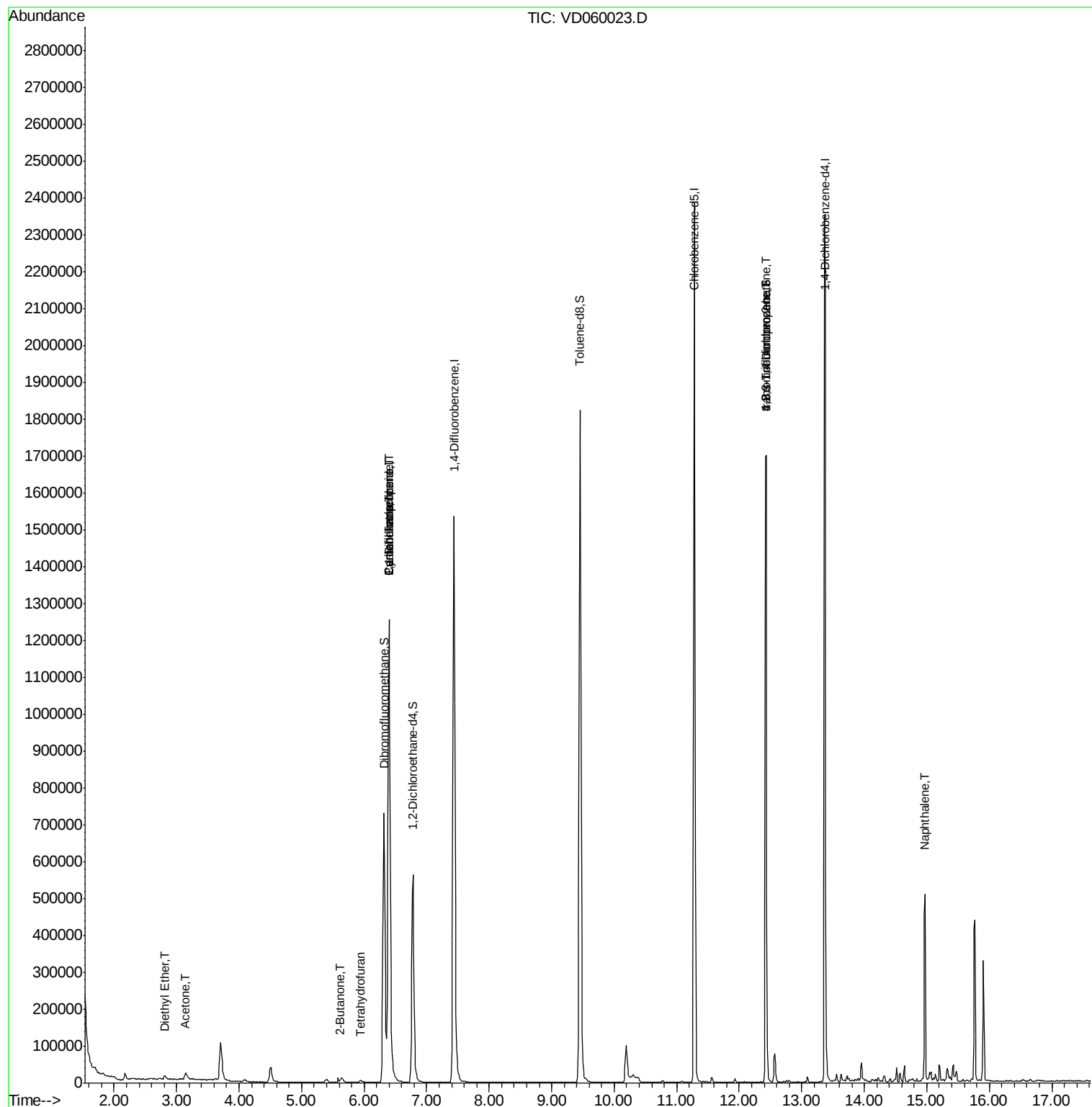
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.81	74	2976	1.397	ug/l	99
16) Acetone	3.14	43	42211	23.095	ug/l	96
20) Methylene Chloride	3.71	84	64207	Below Cal		96
25) 2-Butanone	5.61	43	6919	1.403	ug/l	98
29) Tetrahydrofuran	5.95	42	4560	1.724	ug/l #	62
31) Cyclohexane	6.40	56	23037	1.096	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	84222	5.046	ug/l #	47
38) Carbon Tetrachloride	6.40	117	92744	5.952	ug/l #	16
51) 4-Methyl-2-Pentanone	9.35	43	1068	Below Cal	#	42
59) 2-Hexanone	10.48	43	469	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	186394	20.809	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	216521	80.078	ug/l #	15
89) n-Butylbenzene	13.65	91	1145	Below Cal	#	63
91) 1,2-Dichlorobenzene	13.66	146	698	Below Cal	#	73
95) Naphthalene	14.97	128	328994	15.515	ug/l	98

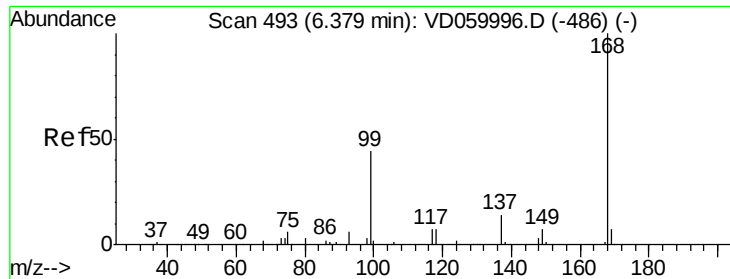
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

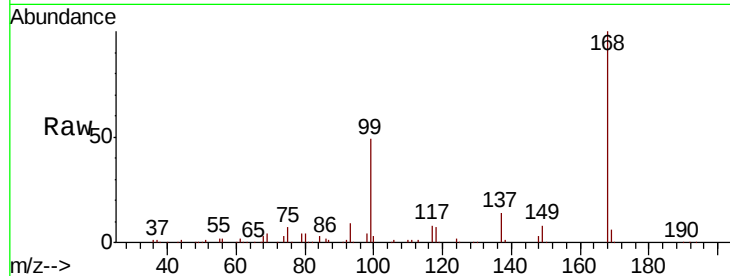
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-BRE

Tgt Ion:168 Resp: 1213940

Ion Ratio Lower Upper

168 100

99 48.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

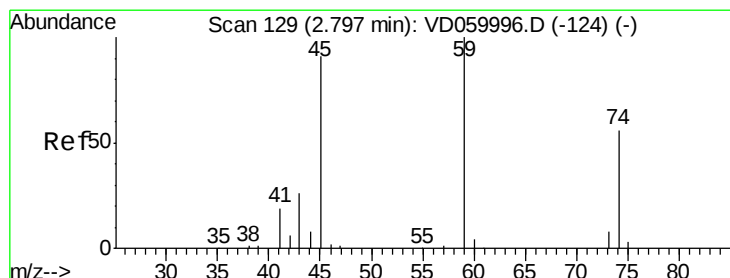
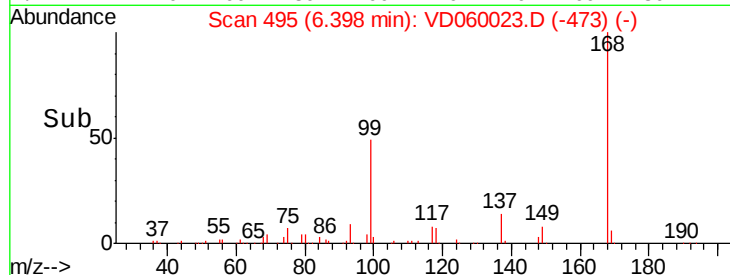
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.397 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060023.D

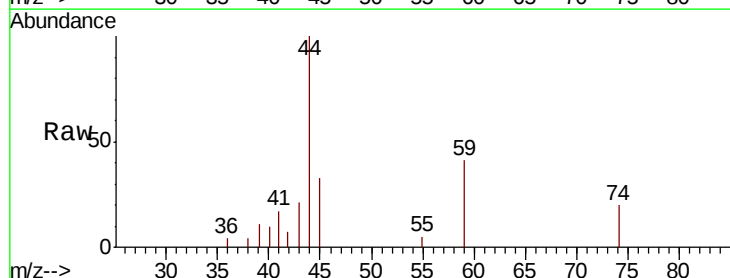
Acq: 17 Sep 2018 16:06

Tgt Ion: 74 Resp: 2976

Ion Ratio Lower Upper

74 100

45 164.0 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

2500

2000

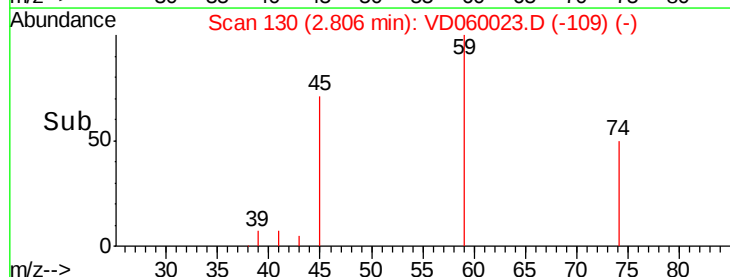
1500

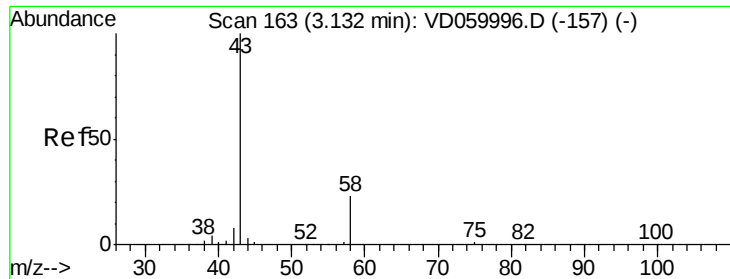
1000

500

0

Time-->





#16

Acetone

Concen: 23.095 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

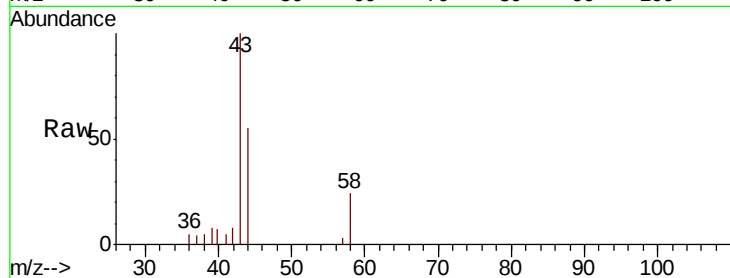
CL-01-091418-BRE

Tgt Ion: 43 Resp: 42211

Ion Ratio Lower Upper

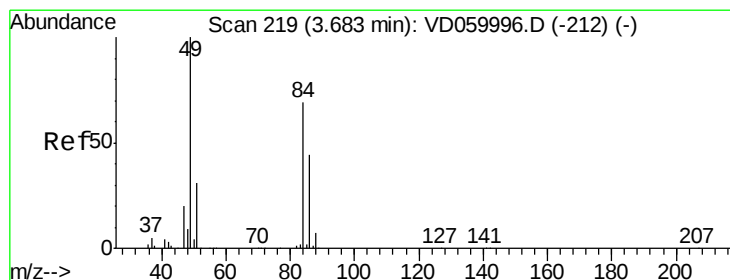
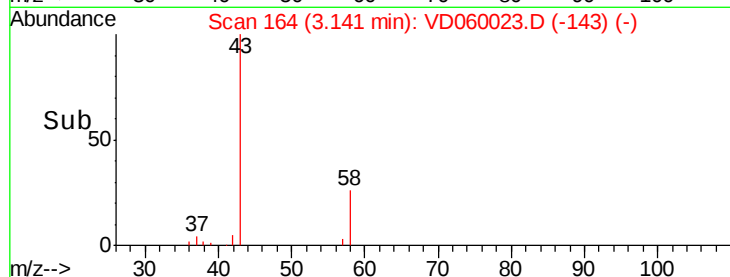
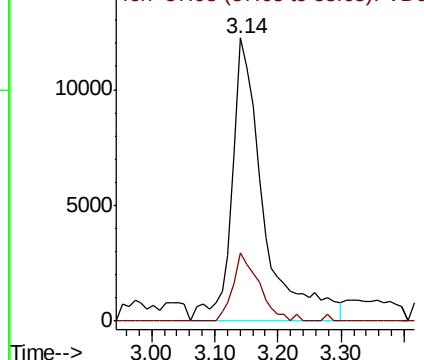
43 100

58 24.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Tgt Ion: 84 Resp: 64207

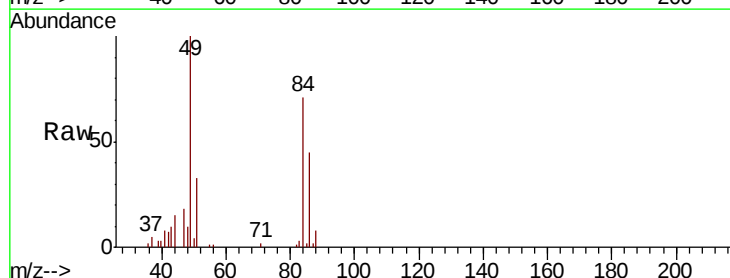
Ion Ratio Lower Upper

84 100

49 139.9 116.6 175.0

51 45.8 35.9 53.9

86 62.7 51.8 77.6

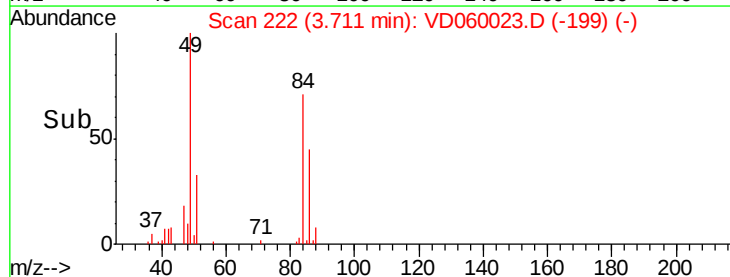
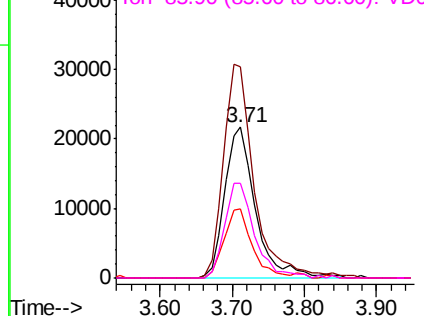


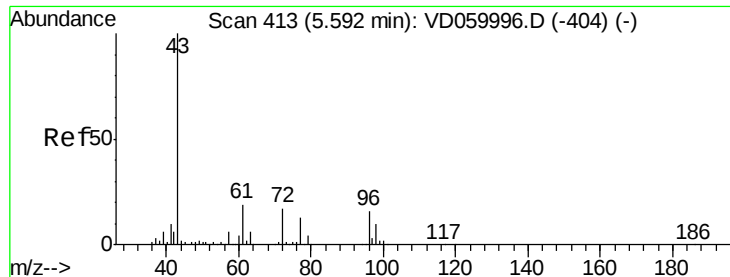
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1.403 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

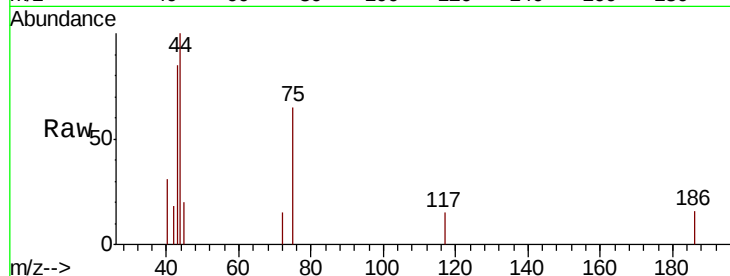
CL-01-091418-BRE

Tgt Ion: 43 Resp: 6919

Ion Ratio Lower Upper

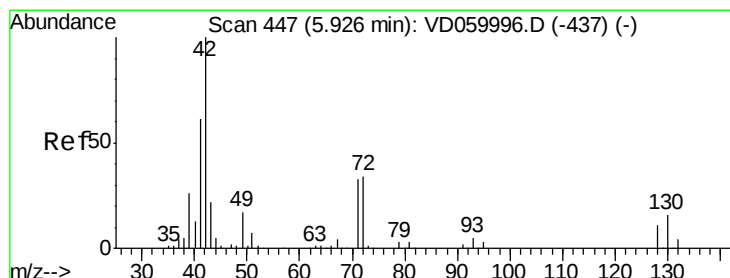
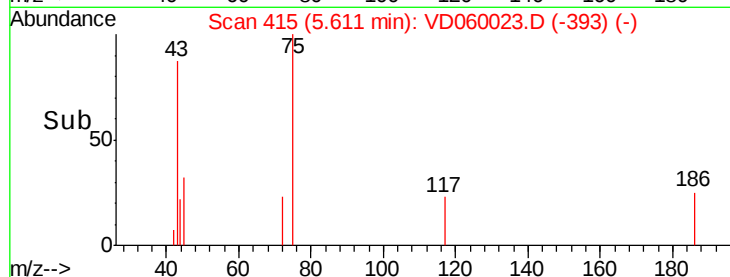
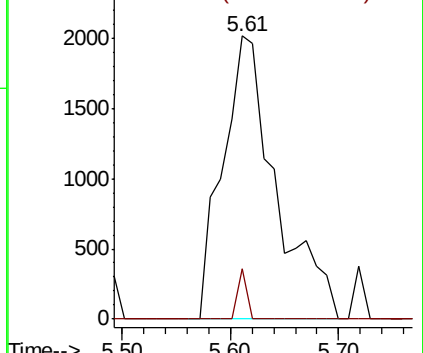
43 100

72 17.7 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.724 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

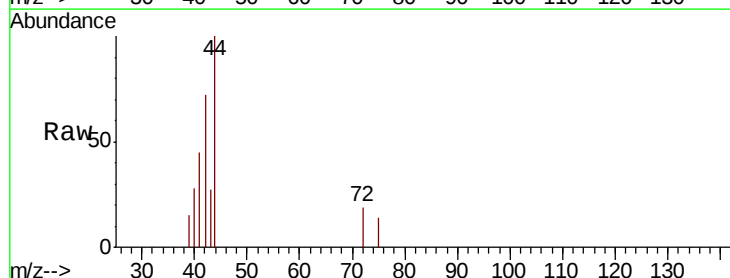
Tgt Ion: 42 Resp: 4560

Ion Ratio Lower Upper

42 100

72 12.9 26.9 40.3#

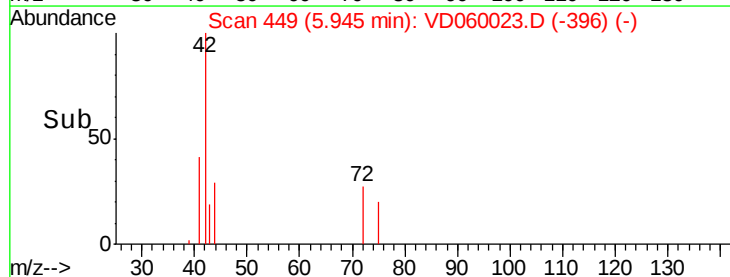
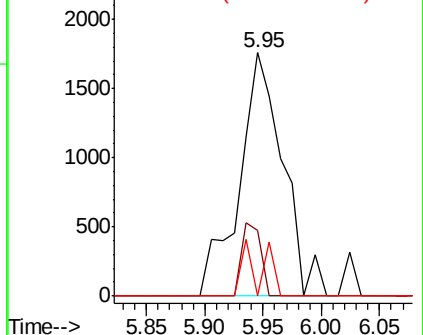
71 10.3 26.2 39.4#

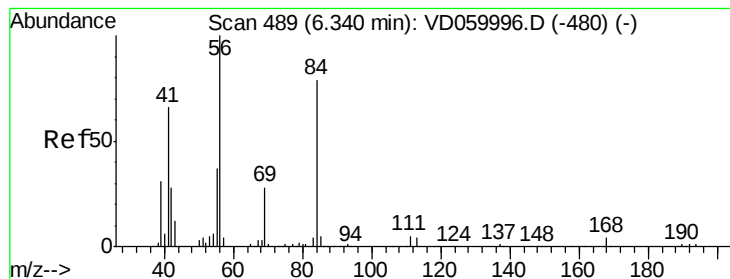


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.096 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-BRE

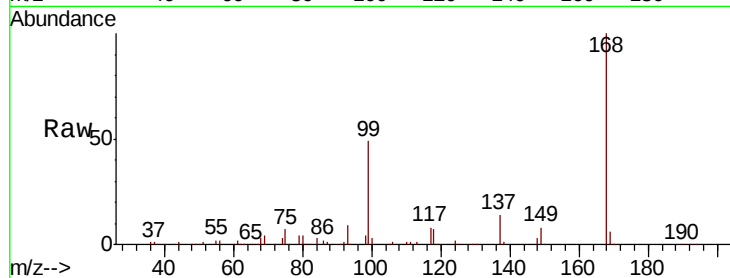
Tgt Ion: 56 Resp: 23037

Ion Ratio Lower Upper

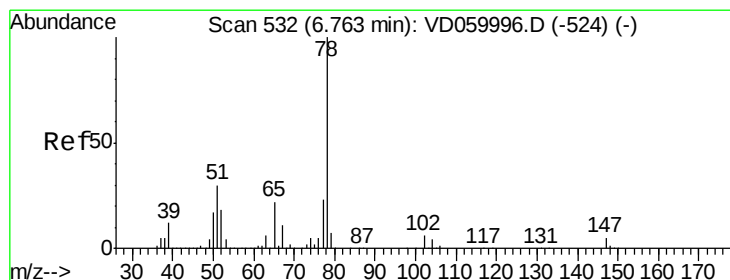
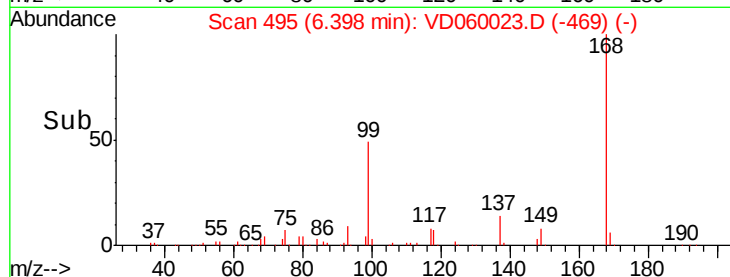
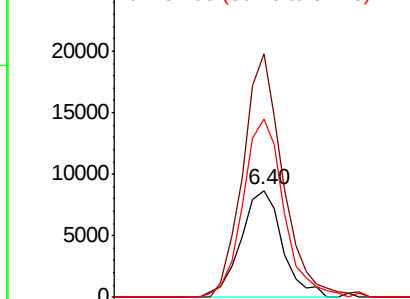
56 100

69 227.4 22.7 34.1#

84 166.8 64.0 96.0#



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: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060023.D

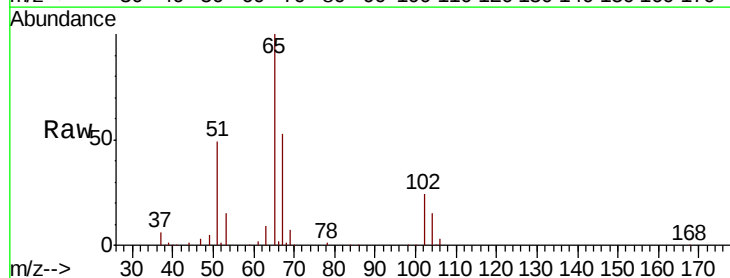
Acq: 17 Sep 2018 16:06

Tgt Ion: 65 Resp: 467954

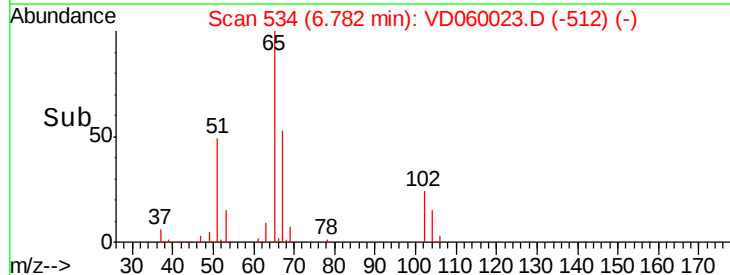
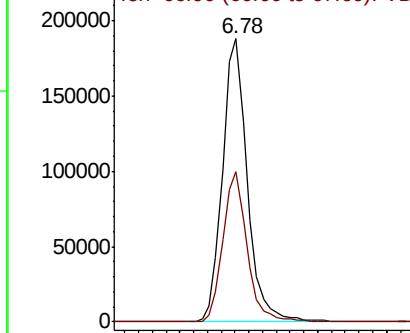
Ion Ratio Lower Upper

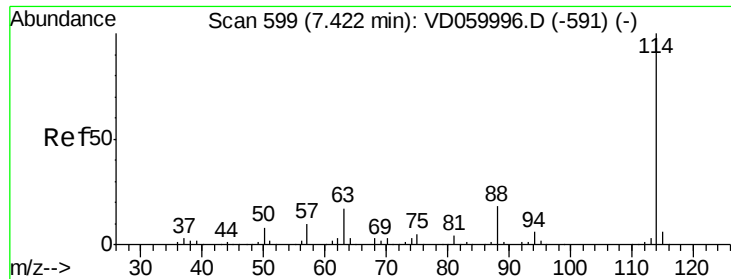
65 100

67 53.2 0.0 104.8



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

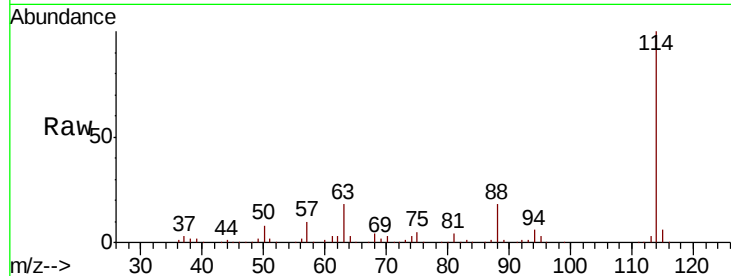




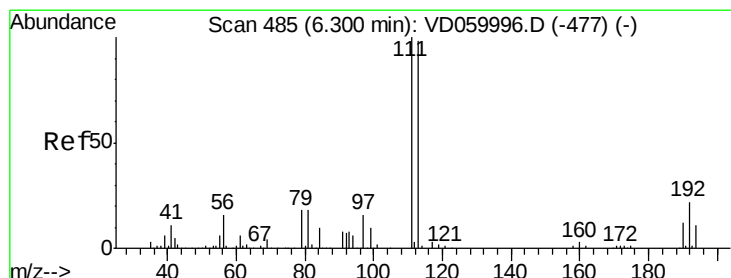
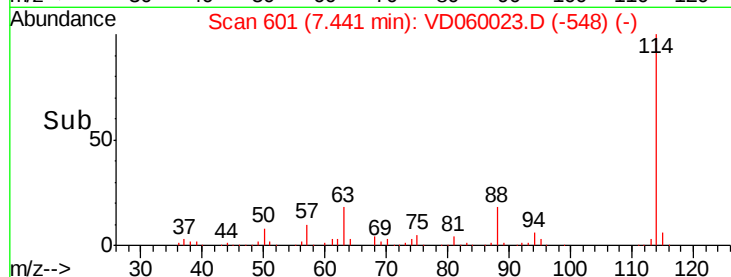
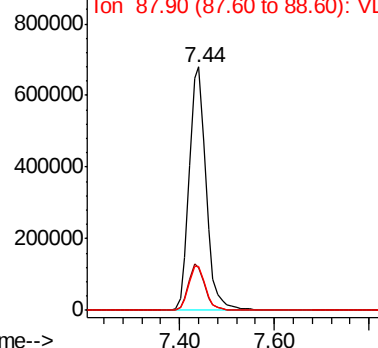
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060023.D
 Acq: 17 Sep 2018 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-BRE

Tgt Ion:114 Resp: 1680352
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.4
 88 18.2 0.0 35.8

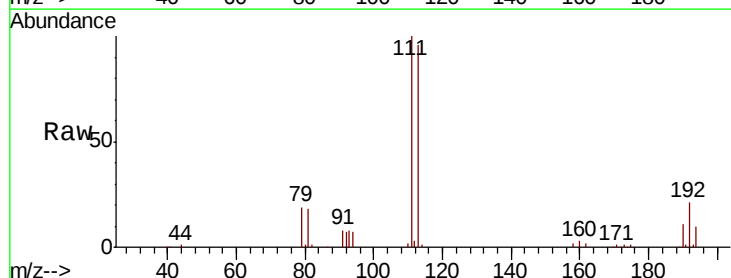


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

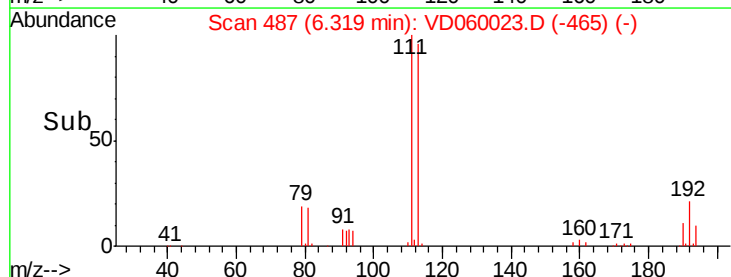
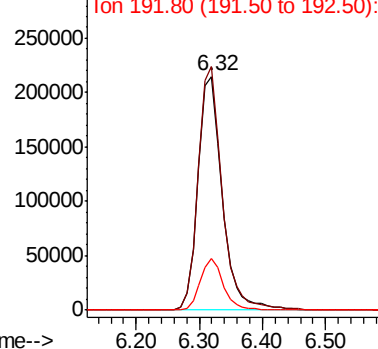


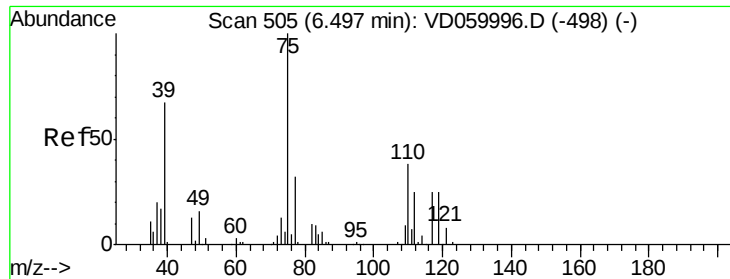
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060023.D
 Acq: 17 Sep 2018 16:06

Tgt Ion:113 Resp: 573531
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.3 121.9
 192 22.2 18.1 27.1



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: 5.046 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-BRE

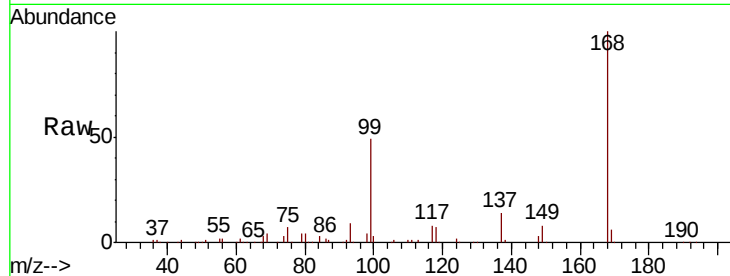
Tgt Ion: 75 Resp: 84222

Ion Ratio Lower Upper

75 100

110 7.9 18.9 56.9#

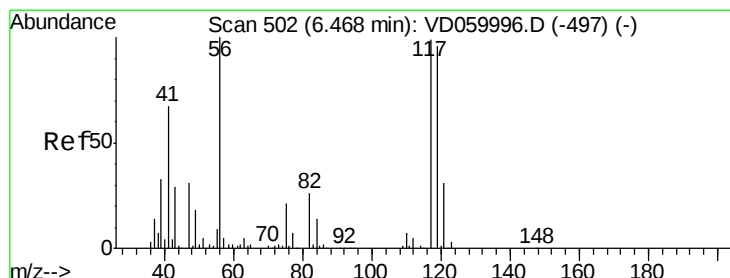
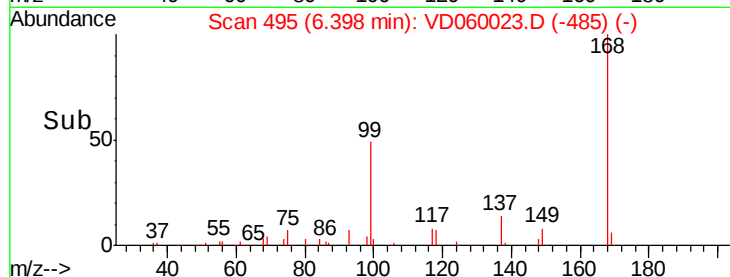
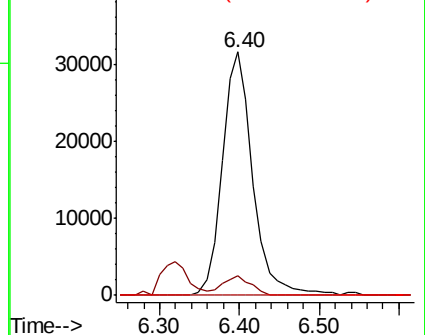
77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.952 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

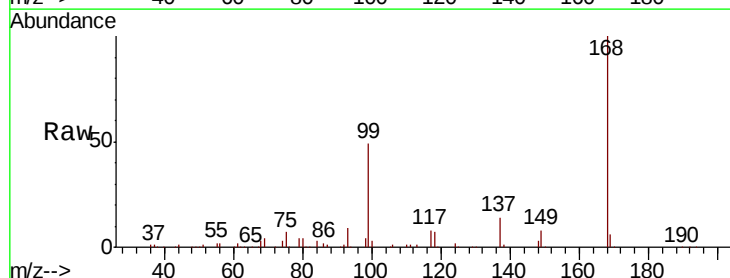
Tgt Ion: 117 Resp: 92744

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

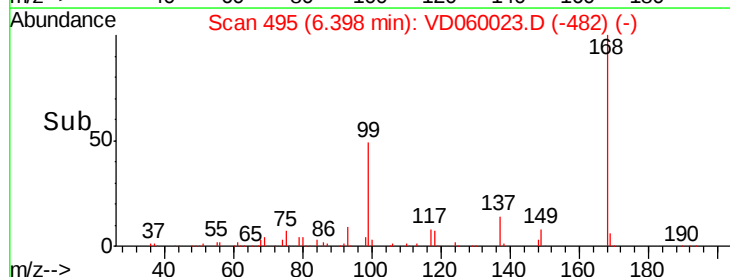
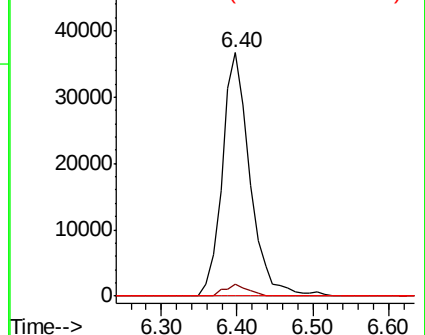
121 0.0 24.9 37.3#

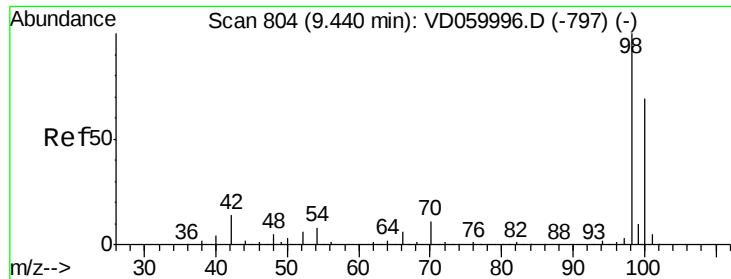


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

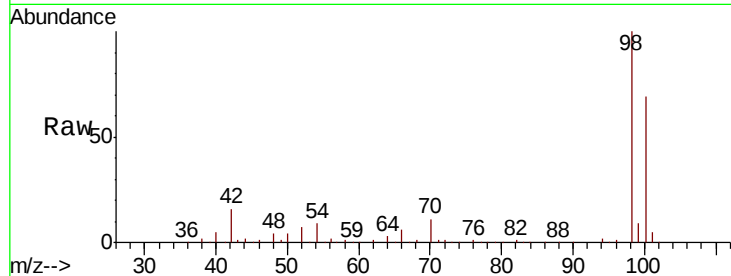




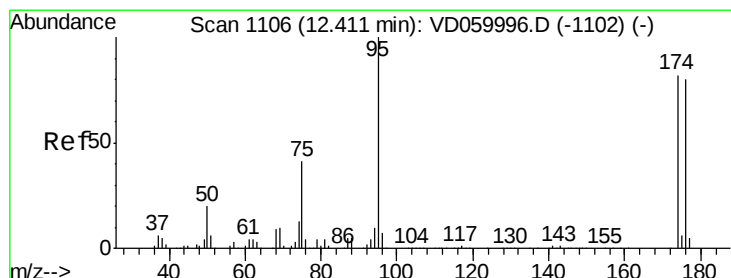
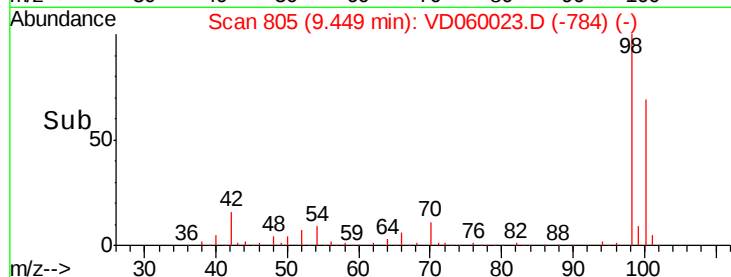
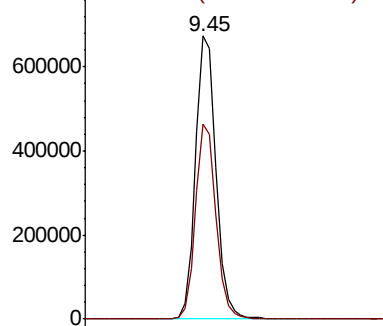
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060023.D
Acq: 17 Sep 2018 16:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-BRE

Tgt Ion: 98 Resp: 1518739
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6

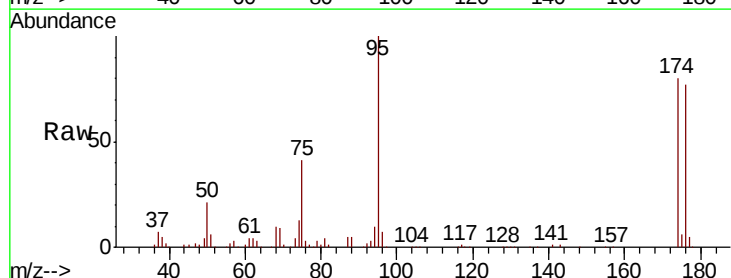


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

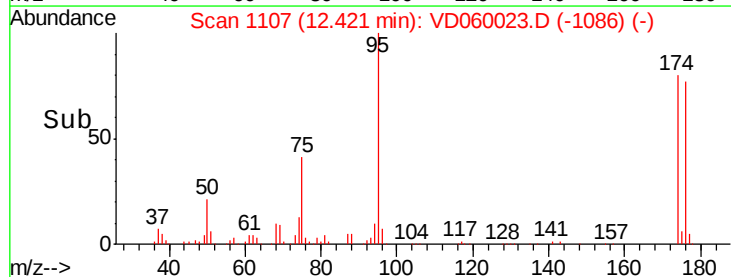
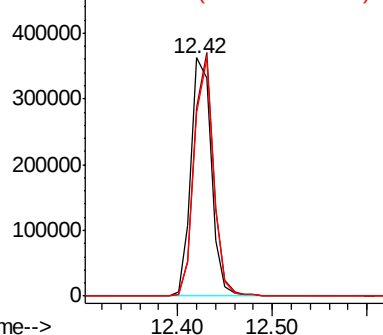


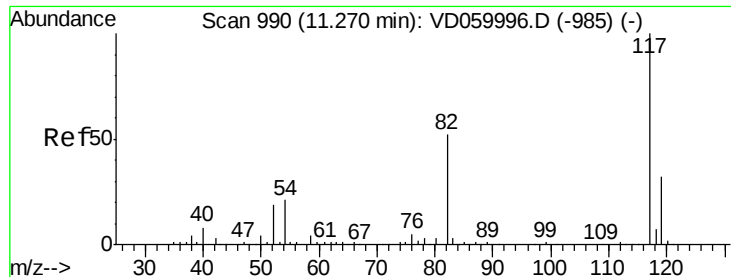
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060023.D
Acq: 17 Sep 2018 16:06

Tgt Ion: 95 Resp: 544240
Ion Ratio Lower Upper
95 100
174 79.5 0.0 165.0
176 77.2 0.0 160.2



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

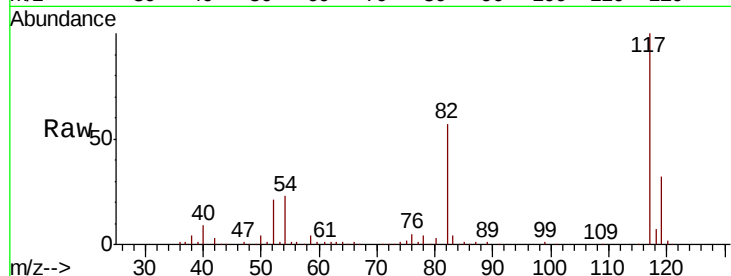




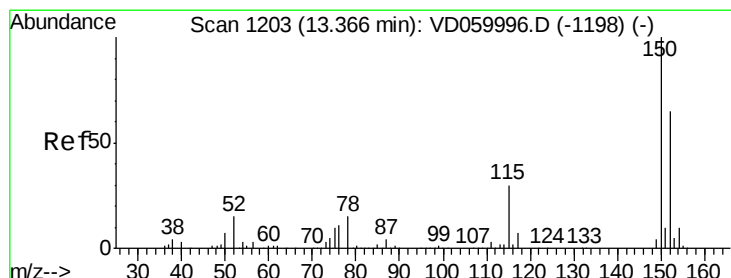
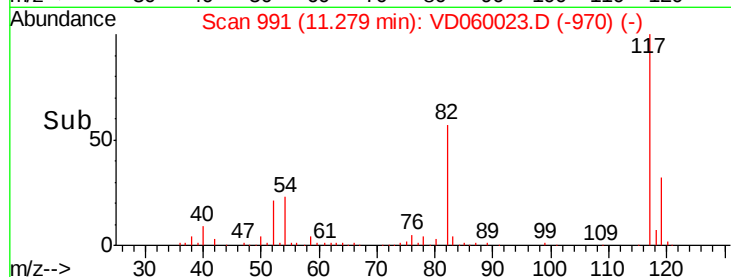
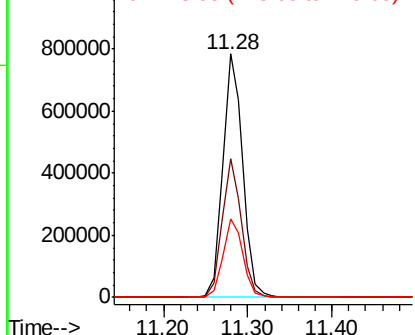
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060023.D
Acq: 17 Sep 2018 16:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-BRE

Tgt Ion:117 Resp: 1277816
Ion Ratio Lower Upper
117 100
82 56.7 41.7 62.5
119 32.5 26.0 39.0

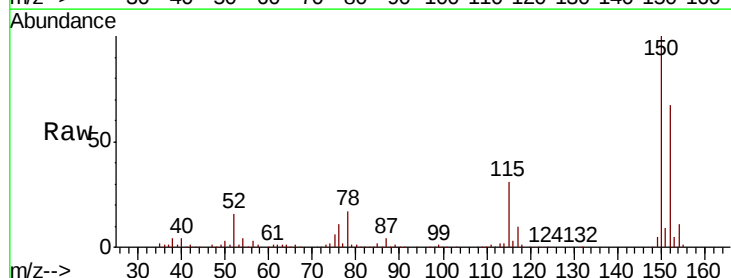


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

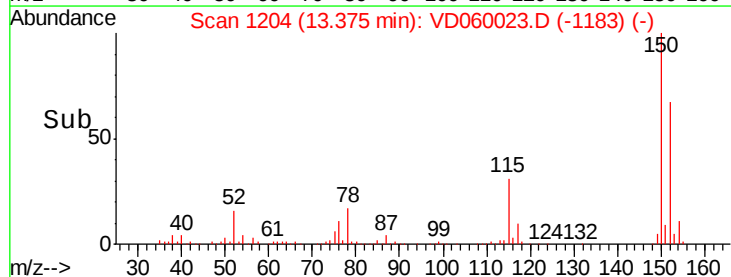
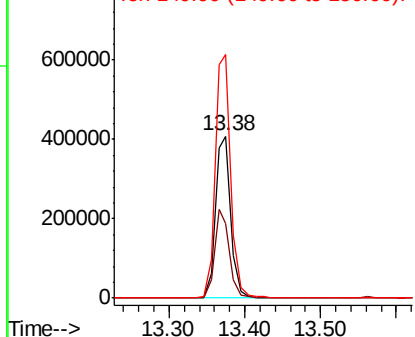


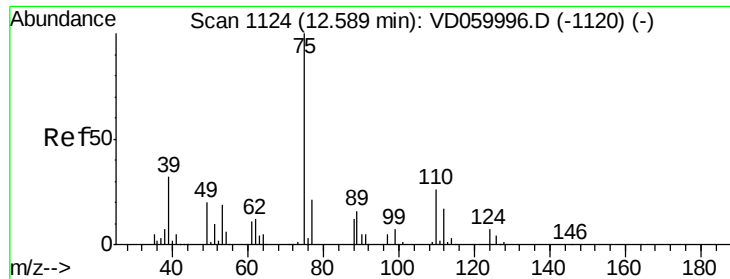
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060023.D
Acq: 17 Sep 2018 16:06

Tgt Ion:152 Resp: 586487
Ion Ratio Lower Upper
152 100
115 46.2 24.6 73.8
150 150.3 0.0 313.4



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

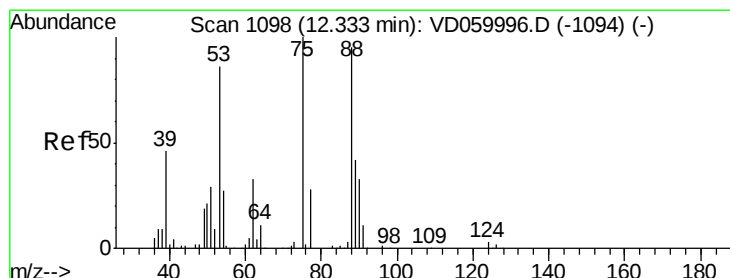
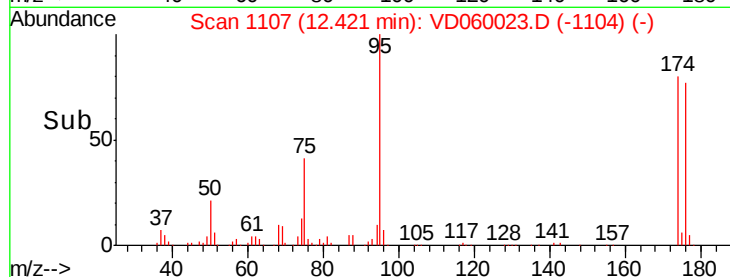
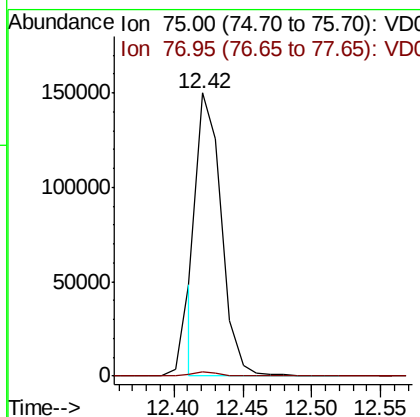
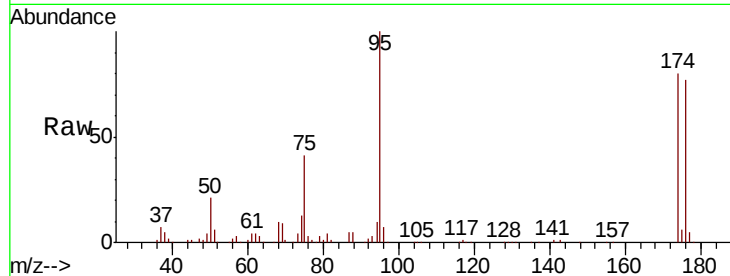




#76
 1,2,3-Trichloropropane
 Concen: 20.809 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060023.D
 Acq: 17 Sep 2018 16:06

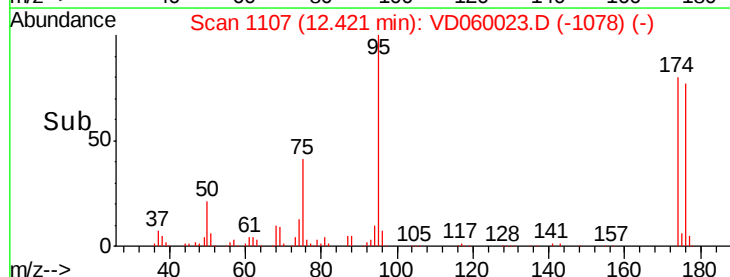
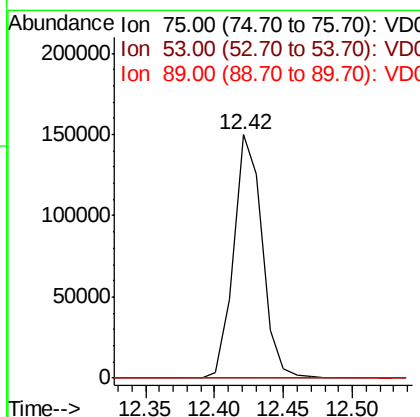
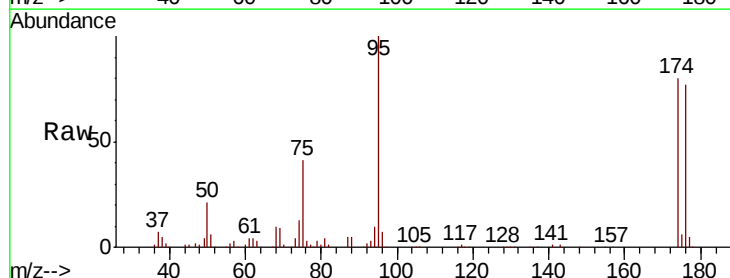
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-BRE

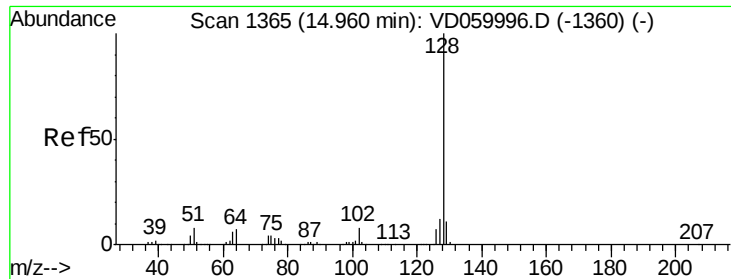
Tgt Ion: 75 Resp: 186394
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.078 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060023.D
 Acq: 17 Sep 2018 16:06

Tgt Ion: 75 Resp: 216521
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#





#95
Naphthalene
Concen: 15.515 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060023.D
Acq: 17 Sep 2018 16:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-BRE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.7	14.5
129	10.3	8.9	13.3

