

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060533.D
 Acq On : 11 Dec 2018 14:06
 Operator : VA/AP
 Sample : J6193-03
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-B

Quant Time: Dec 12 03:12:36 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	1556700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2229404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1533708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	510146	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	468594	42.47	ug/l	0.00
Spiked Amount			Recovery	=	84.94%	
35) Dibromofluoromethane	6.33	113	562219	34.33	ug/l	0.00
Spiked Amount			Recovery	=	68.66%	
50) Toluene-d8	9.46	98	1614220	34.06	ug/l	0.00
Spiked Amount			Recovery	=	68.12%	
62) 4-Bromofluorobenzene	12.43	95	471759	27.82	ug/l	0.00
Spiked Amount			Recovery	=	55.64%	

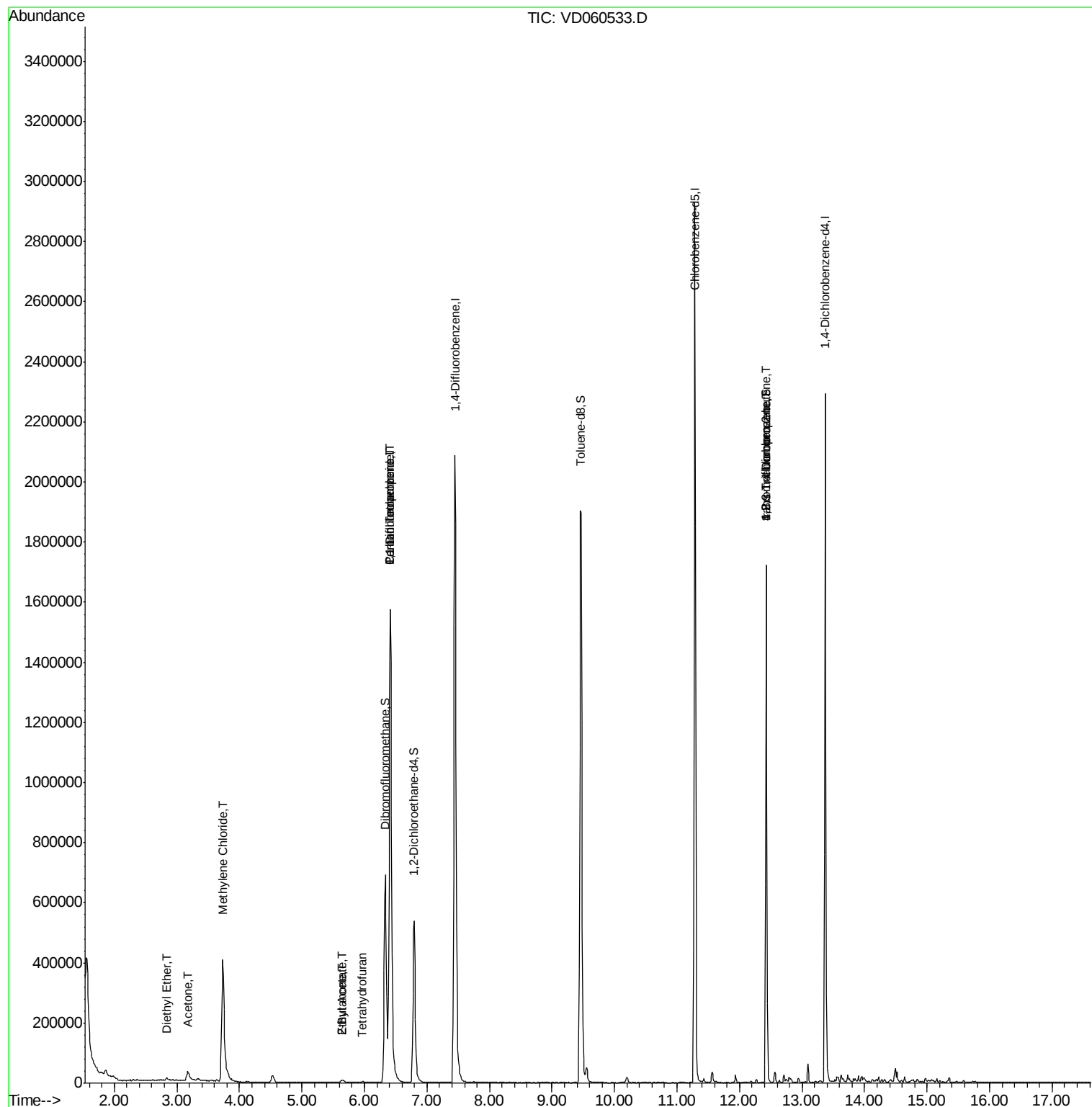
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	268	Below Cal	#	41
8) Diethyl Ether	2.84	74	3067	1.205	ug/l	58
16) Acetone	3.17	43	71659	40.517	ug/l	98
20) Methylene Chloride	3.74	84	282204	14.173	ug/l	94
25) 2-Butanone	5.63	43	11105	3.191	ug/l	98
29) Tetrahydrofuran	5.97	42	2960	1.502	ug/l	# 75
31) Cyclohexane	6.41	56	30556	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	111353	5.110	ug/l	# 46
37) Ethyl Acetate	5.63	43	11105	1.175	ug/l	# 68
38) Carbon Tetrachloride	6.41	117	124255	6.351	ug/l	# 16
76) 1,2,3-Trichloropropane	12.43	75	149009	25.779	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.43	75	192022	119.110	ug/l	# 14
89) n-Butylbenzene	13.65	91	5555	Below Cal		76

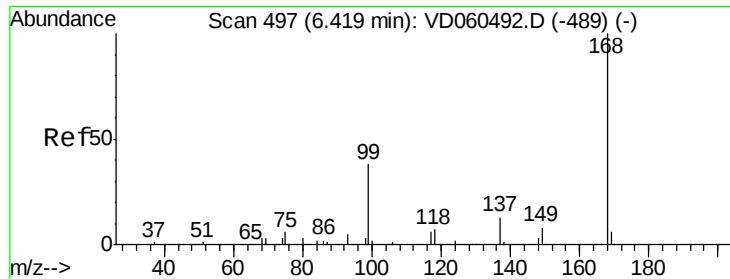
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

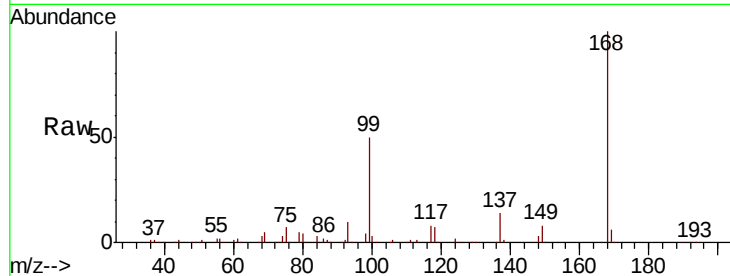
CL-01-121018-B

Tot Ion:168 Resp: 1556700

Ion Ratio Lower Upper

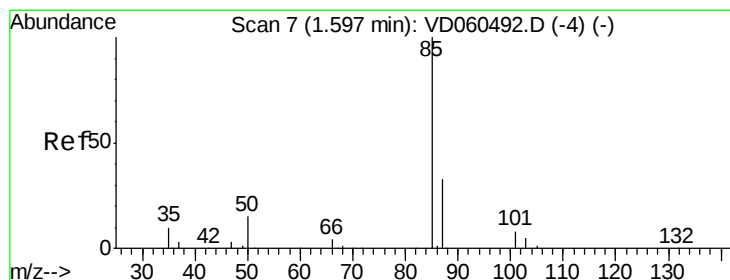
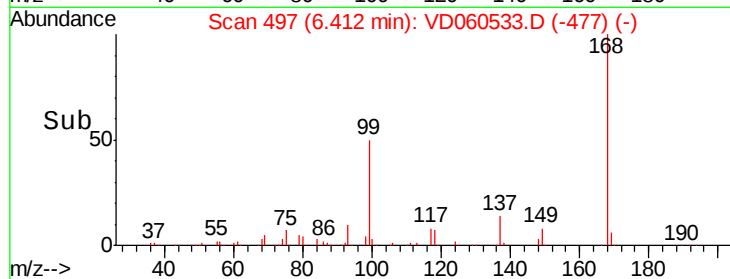
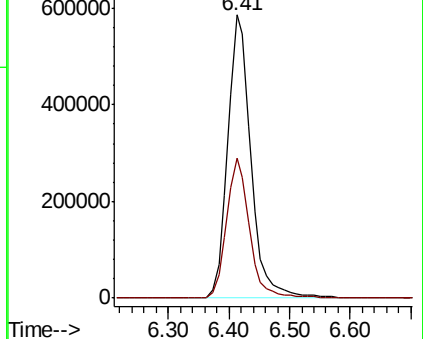
168 100

99 49.6 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: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060533.D

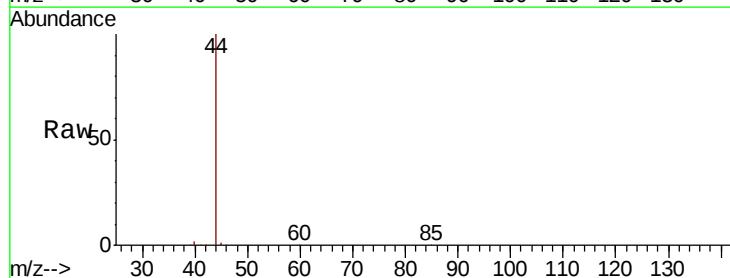
Acq: 11 Dec 2018 14:06

Tgt Ion: 85 Resp: 268

Ion Ratio Lower Upper

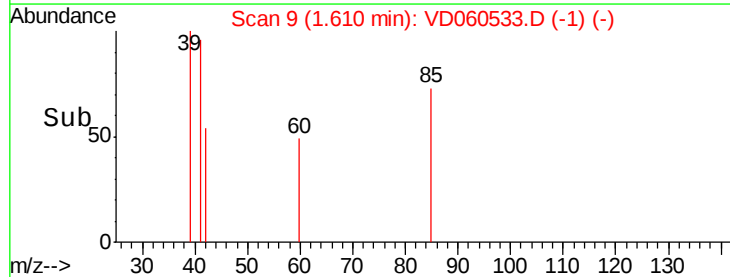
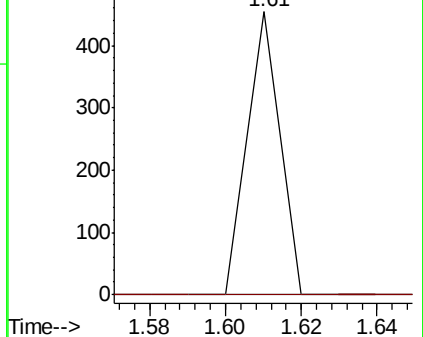
85 100

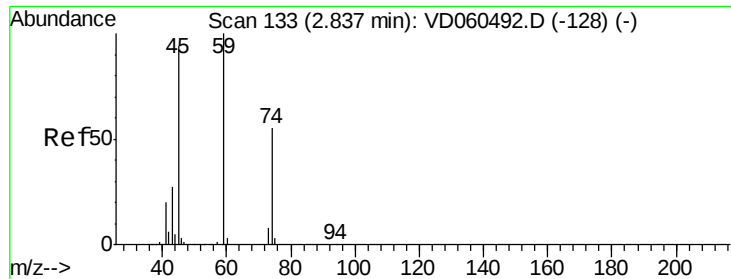
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.205 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

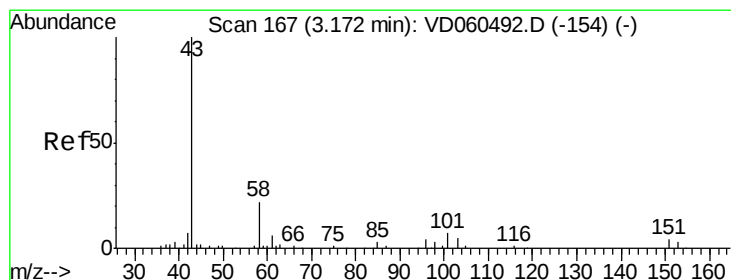
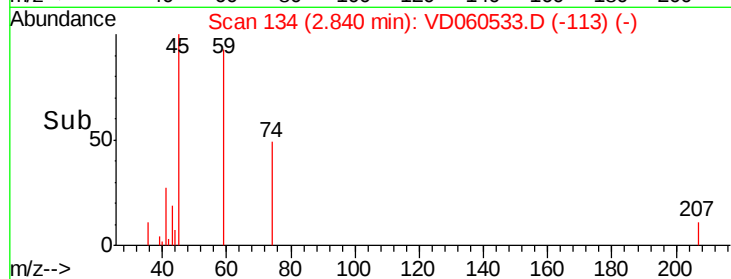
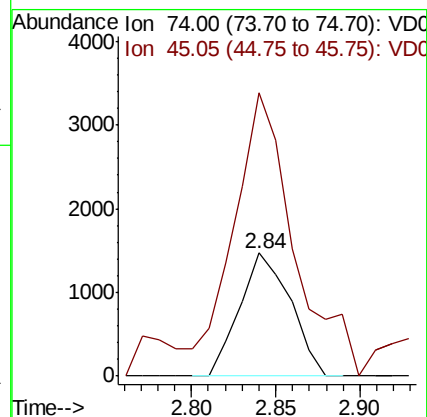
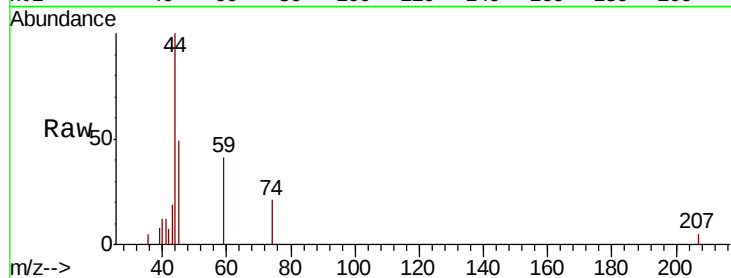
CL-01-121018-B

Tot Ion: 74 Resp: 3067

Ion Ratio Lower Upper

74 100

45 229.8 86.0 258.0



#16

Acetone

Concen: 40.517 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060533.D

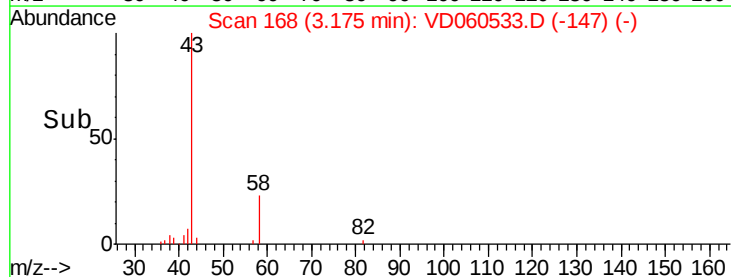
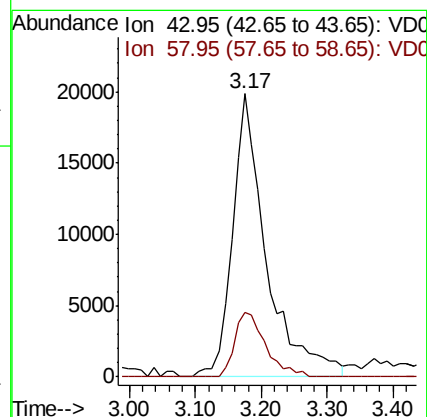
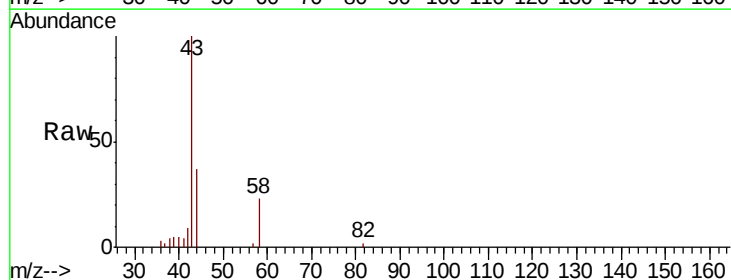
Acq: 11 Dec 2018 14:06

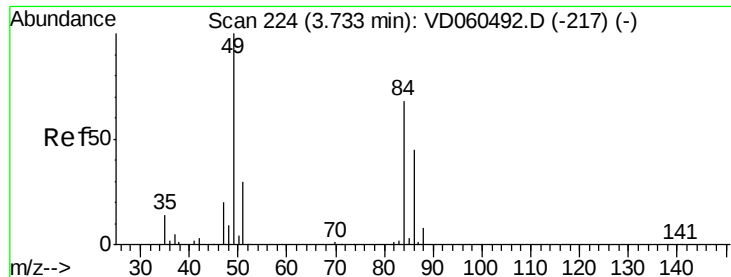
Tgt Ion: 43 Resp: 71659

Ion Ratio Lower Upper

43 100

58 22.7 17.3 25.9

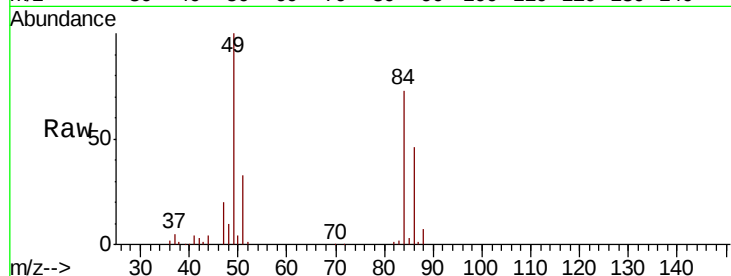




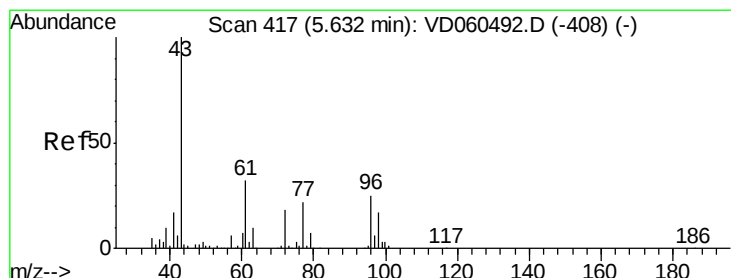
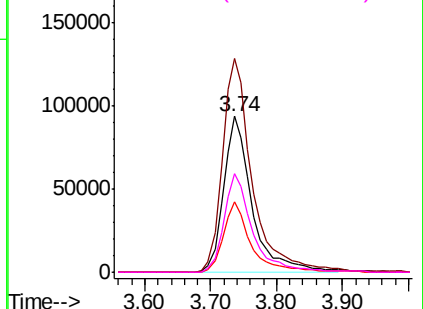
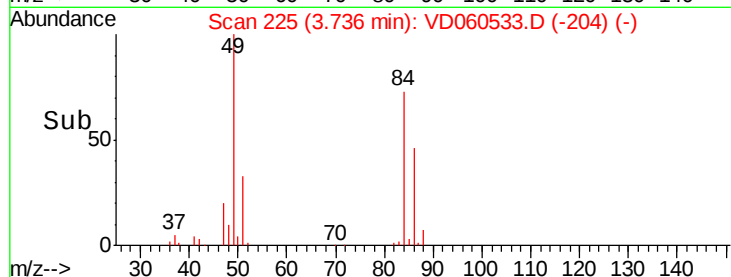
#20
Methvlene Chloride
Concen: 14.173 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

Tot Ion: 84 Resp: 282204
Ion Ratio Lower Upper
84 100
49 137.1 117.2 175.8
51 45.2 35.3 52.9
86 63.5 53.2 79.8

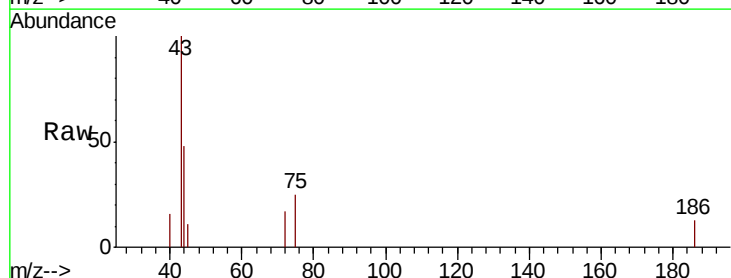


Abundance Ion 83.95 (83.65 to 84.65): VDC
200000
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

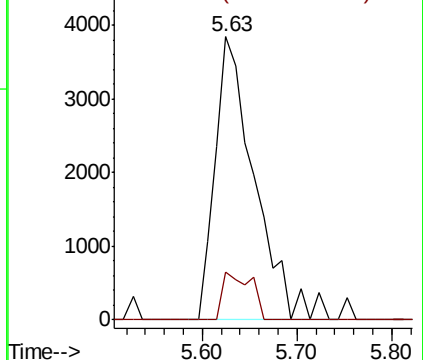
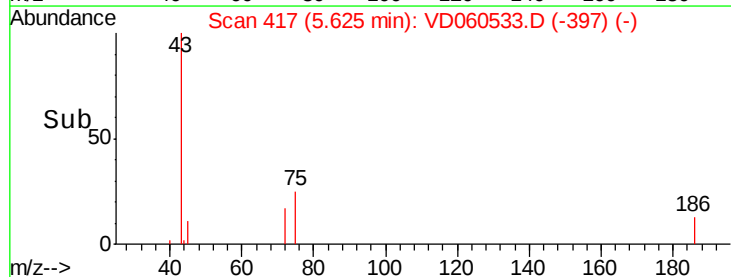


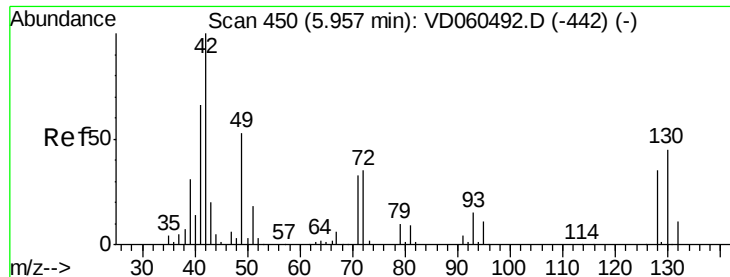
#25
2-Butanone
Concen: 3.191 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion: 43 Resp: 11105
Ion Ratio Lower Upper
43 100
72 17.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
4000
Ion 72.00 (71.70 to 72.70): VDC

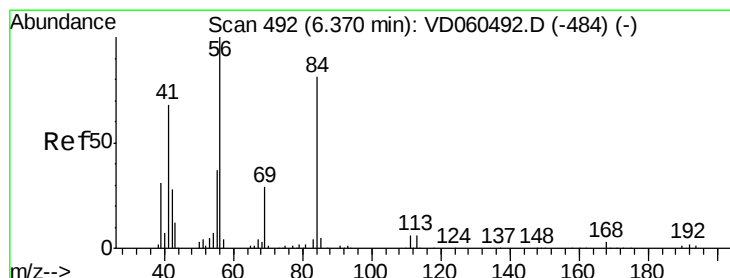
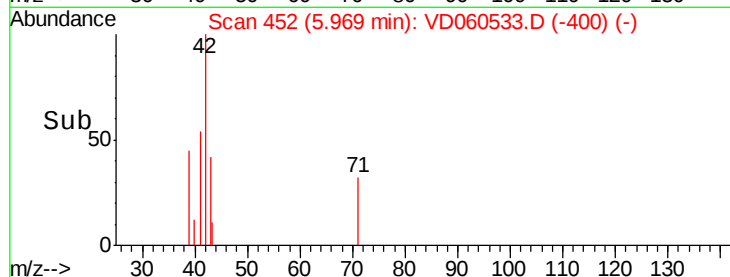
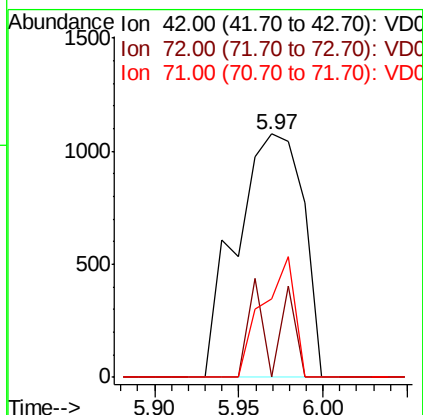
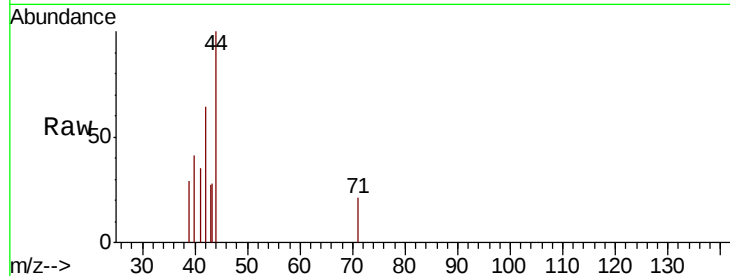




#29
Tetrahydrofuran
Concen: 1.502 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

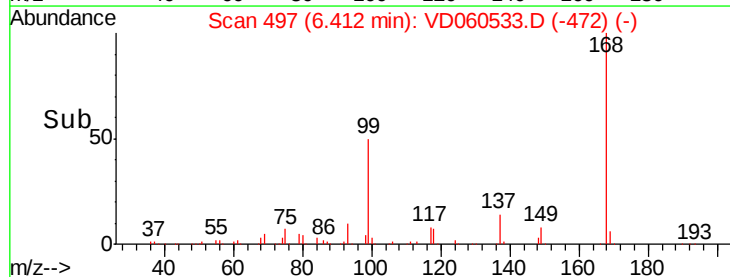
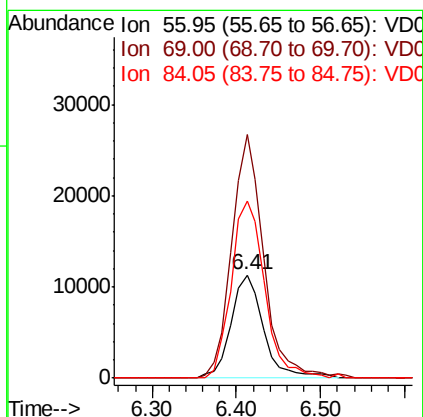
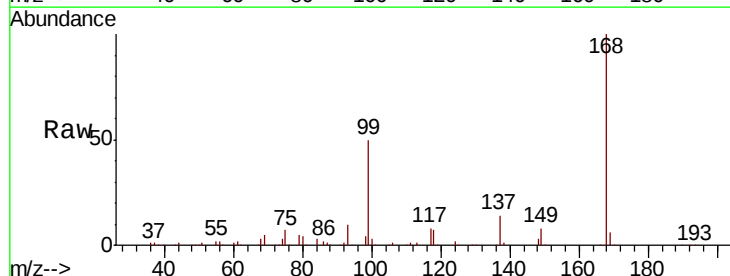
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

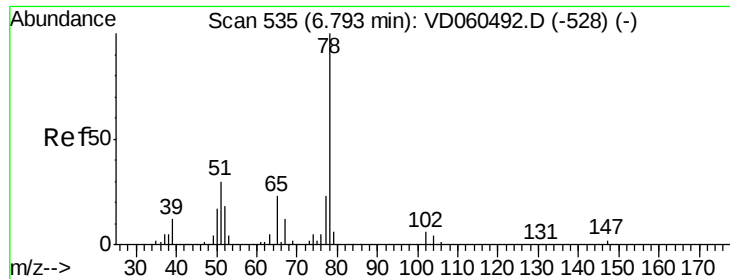
Tot Ion: 42 Resp: 2960
Ion Ratio Lower Upper
42 100
72 16.8 28.0 42.0#
71 23.7 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.41 min Scan# 497
Delta R.T. 0.04 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion: 56 Resp: 30556
Ion Ratio Lower Upper
56 100
69 235.6 22.8 34.2#
84 171.8 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

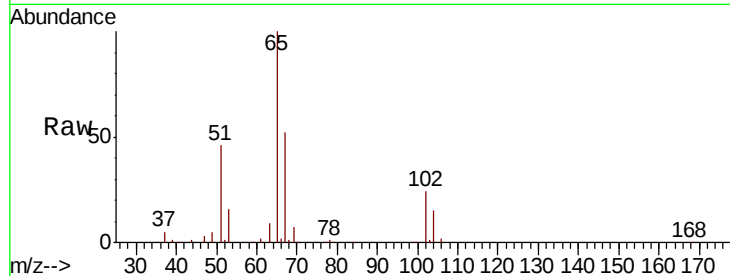
CL-01-121018-B

Tot Ion: 65 Resp: 468594

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

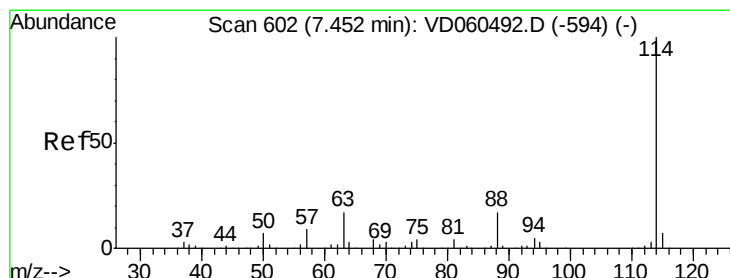
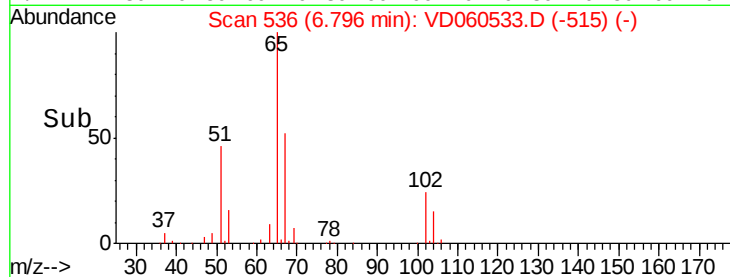
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

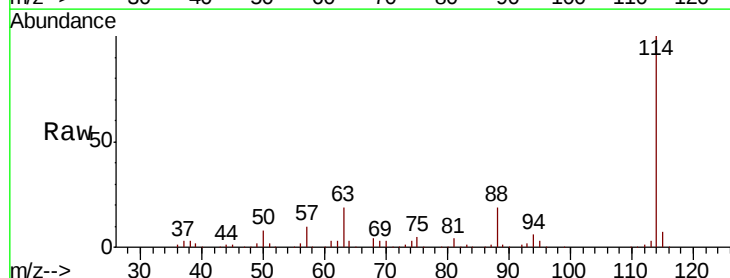
Tgt Ion: 114 Resp: 2229404

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.2

88 18.9 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

1200000

1000000

800000

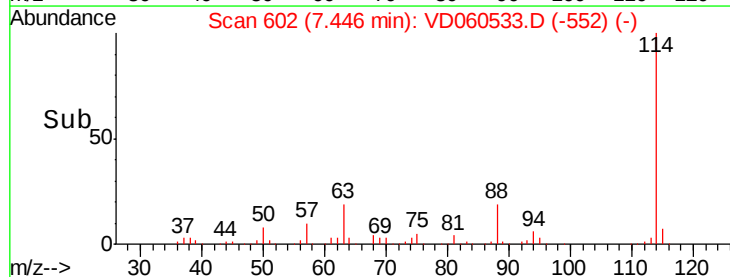
600000

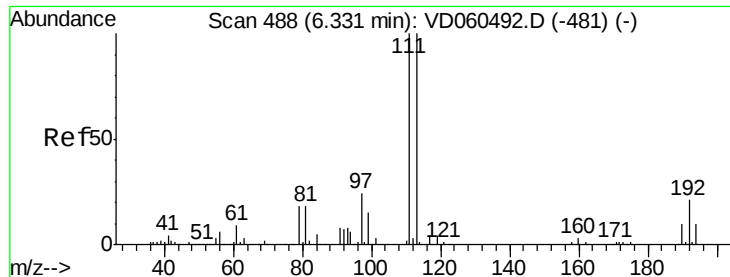
400000

200000

0

Time-->

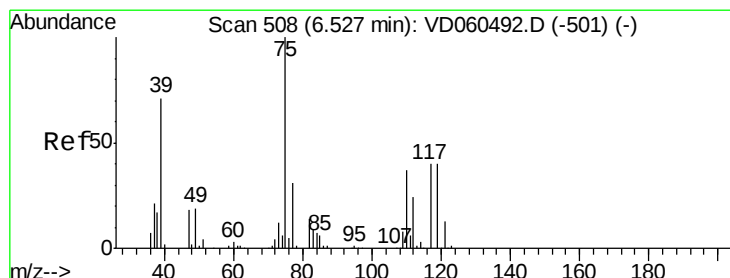
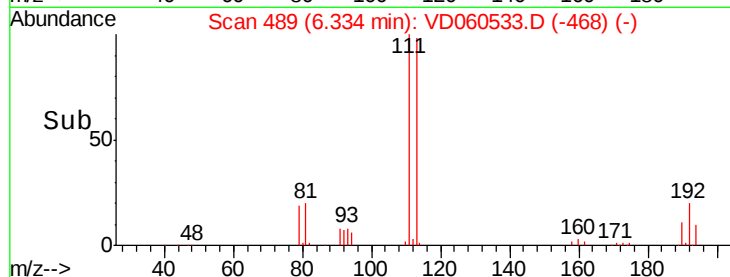
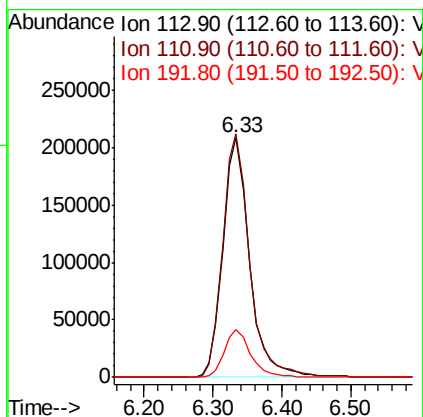
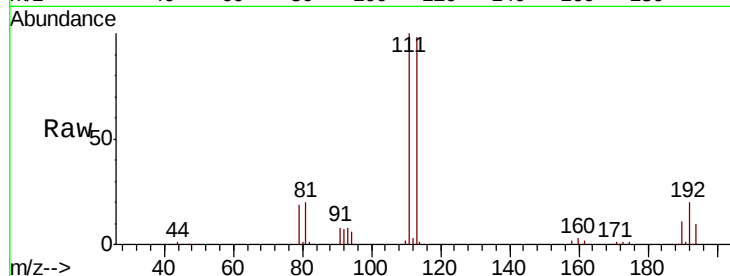




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

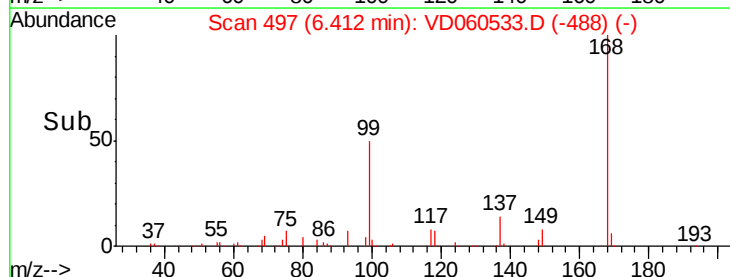
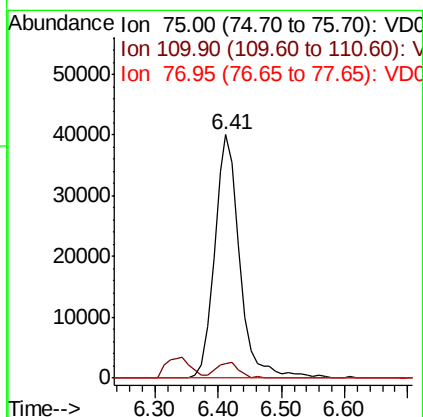
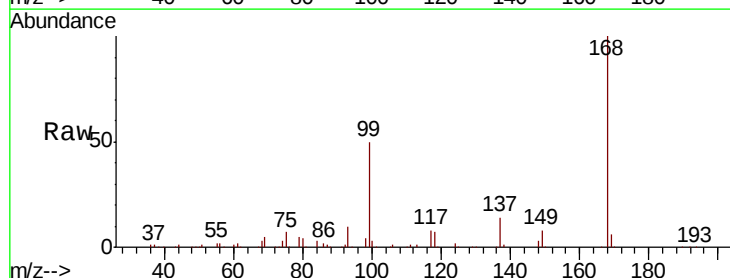
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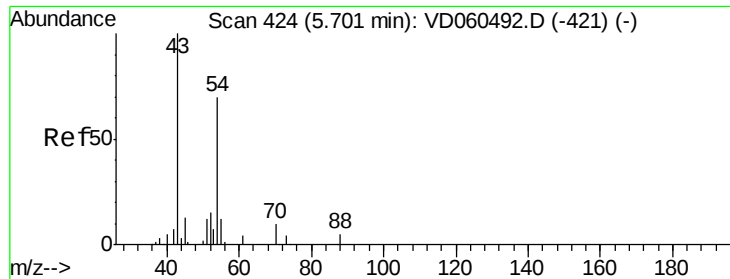
Tot Ion:113 Resp: 562219
Ion Ratio Lower Upper
113 100
111 101.7 80.2 120.4
192 20.1 16.6 24.8



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.12 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion: 75 Resp: 111353
Ion Ratio Lower Upper
75 100
110 5.9 18.3 54.8#
77 0.0 24.6 37.0#

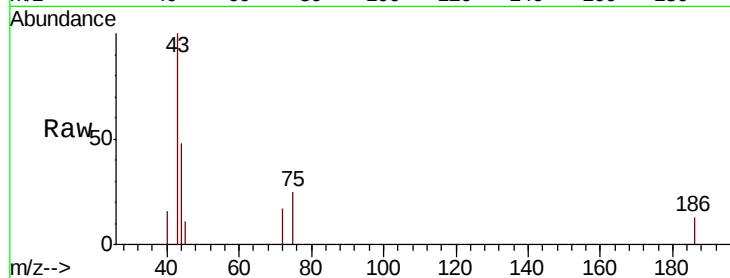




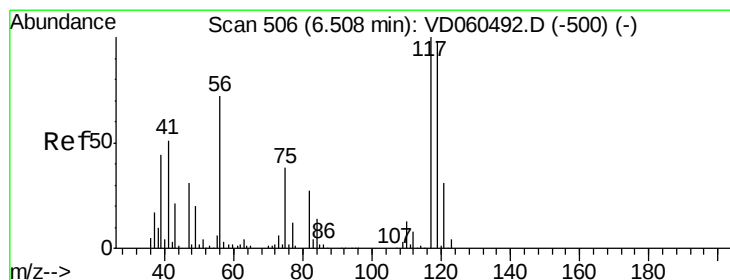
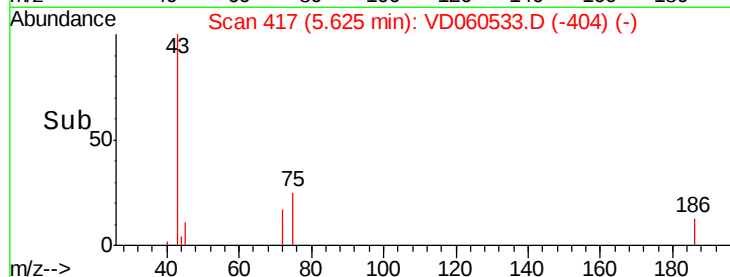
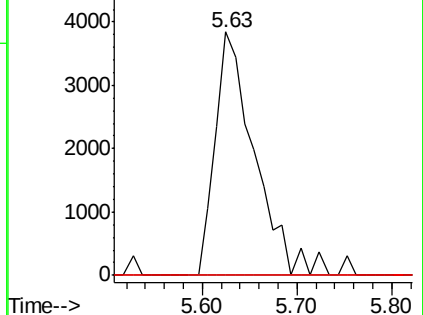
#37
Ethyl Acetate
Concen: 1.175 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.08 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

Tot Ion: 43 Resp: 11105
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

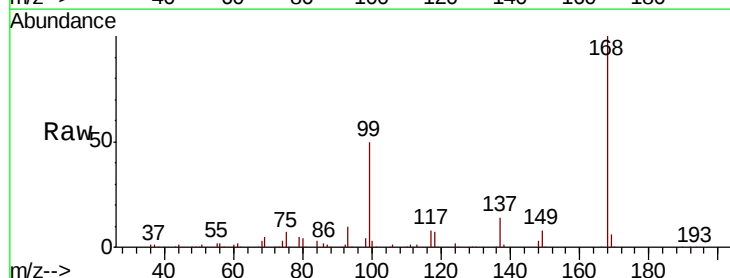


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

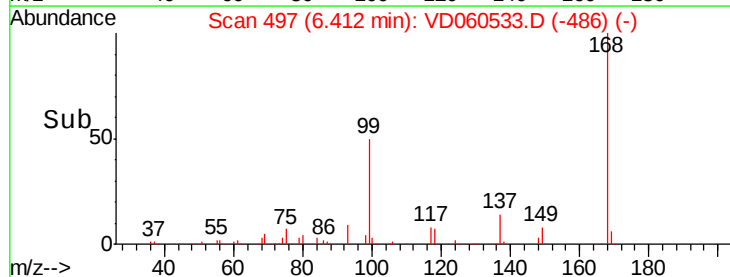
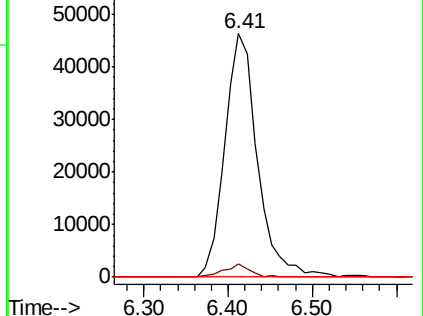


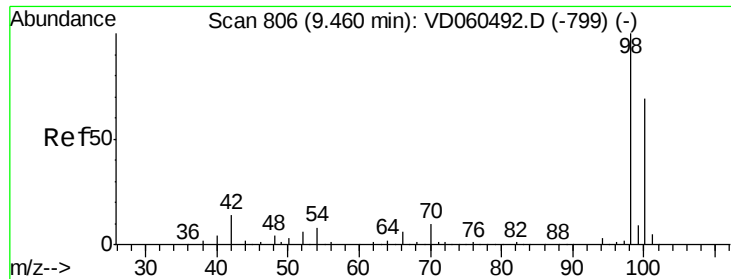
#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion: 117 Resp: 124255
Ion Ratio Lower Upper
117 100
119 5.3 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: 9.46 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

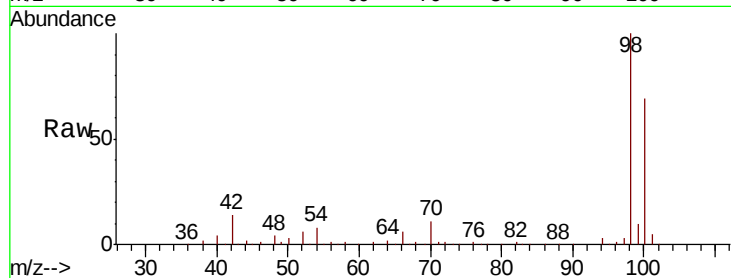
CL-01-121018-B

Tot Ion: 98 Resp: 1614220

Ion Ratio Lower Upper

98 100

100 69.2 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) (-)

9.46

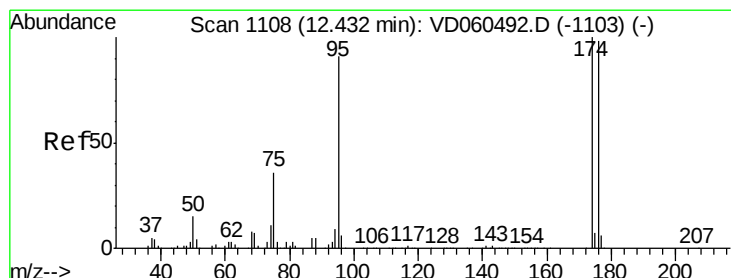
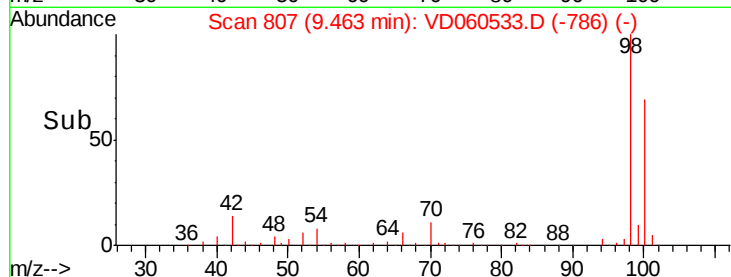
600000

400000

200000

0

Time--> 9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

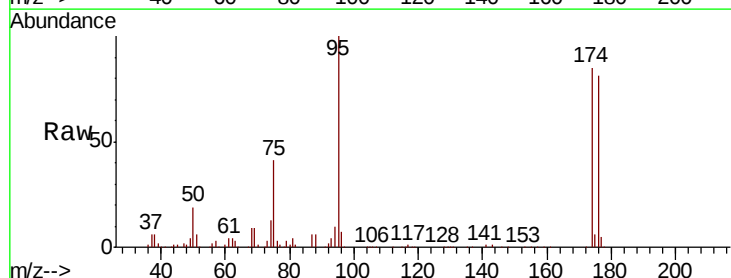
Tgt Ion: 95 Resp: 471759

Ion Ratio Lower Upper

95 100

174 85.1 0.0 219.4

176 80.8 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) (-)

12.43

500000

400000

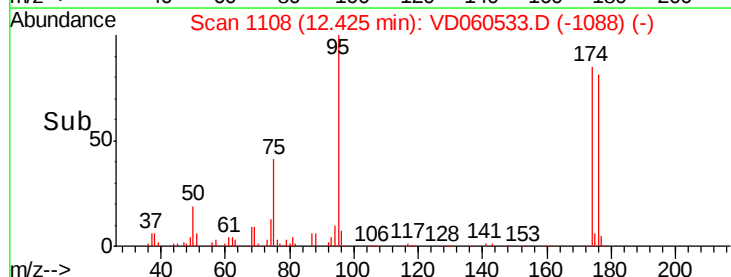
300000

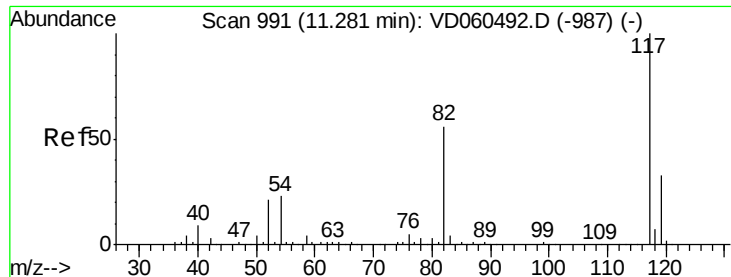
200000

100000

0

Time--> 12.40 12.50

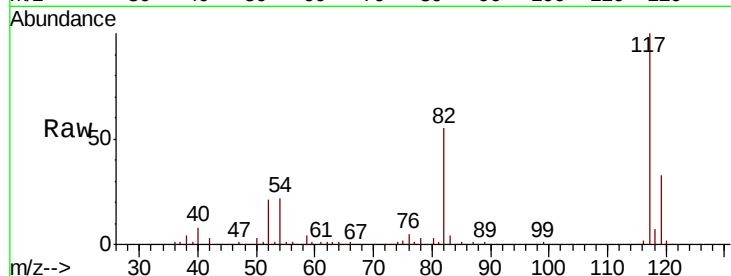




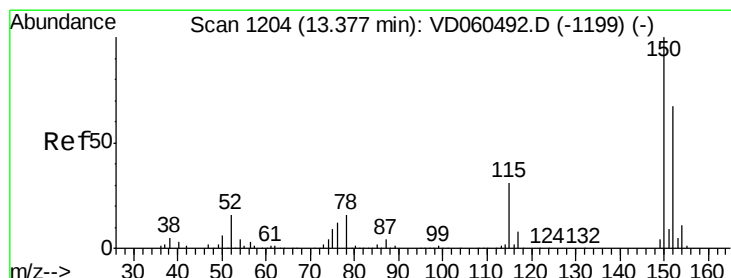
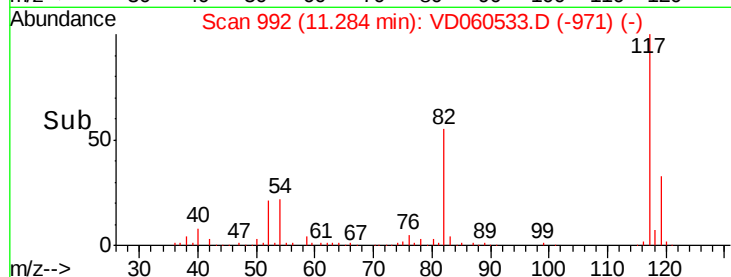
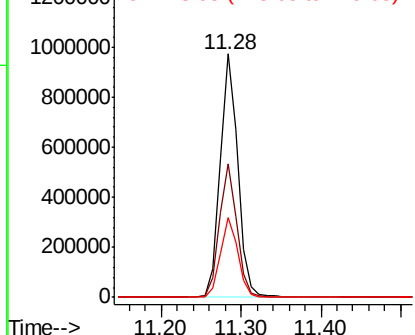
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-B

Tot Ion:117 Resp: 1533708
Ion Ratio Lower Upper
117 100
82 54.7 45.2 67.8
119 32.8 26.1 39.1

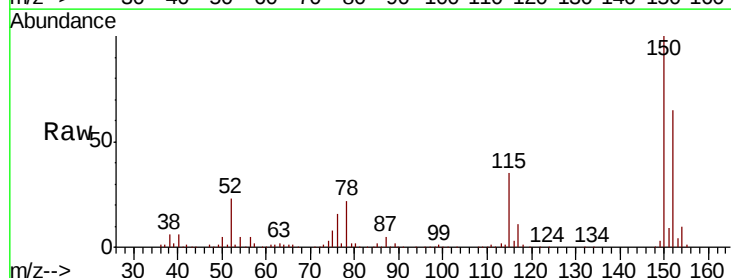


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

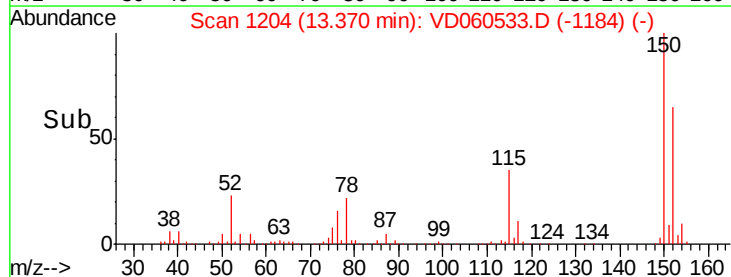
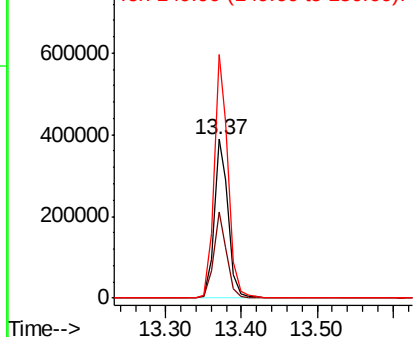


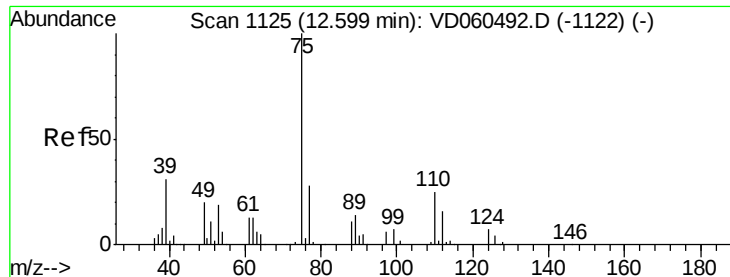
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060533.D
Acq: 11 Dec 2018 14:06

Tgt Ion:152 Resp: 510146
Ion Ratio Lower Upper
152 100
115 54.1 24.6 74.0
150 153.1 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





#76

1,2,3-Trichloropropane

Concen: 25.779 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

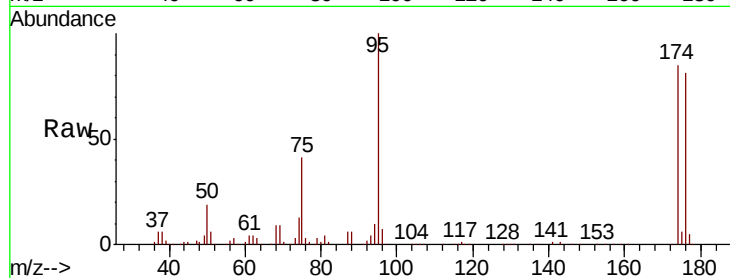
CL-01-121018-B

Tot Ion: 75 Resp: 149009

Ion Ratio Lower Upper

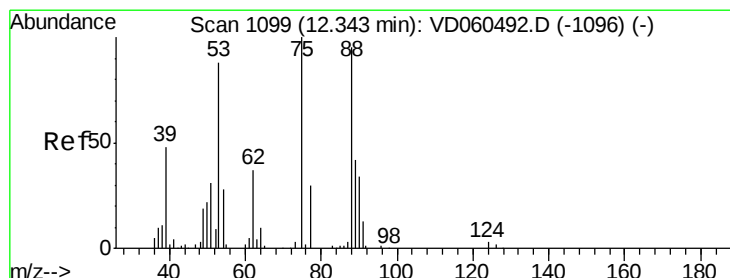
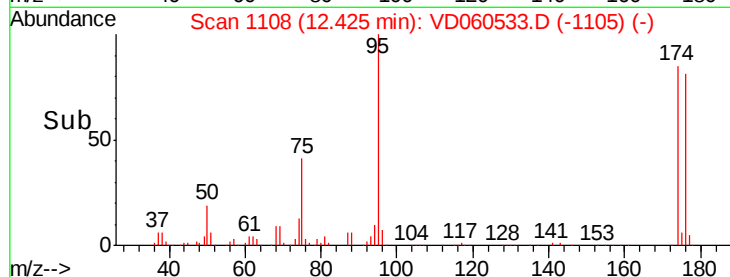
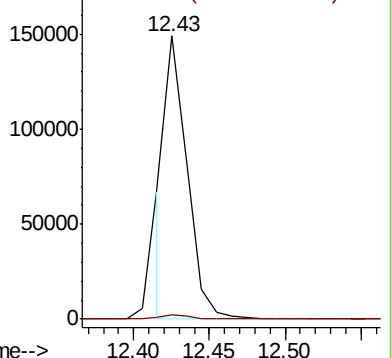
75 100

77 1.4 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 119.110 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060533.D

Acq: 11 Dec 2018 14:06

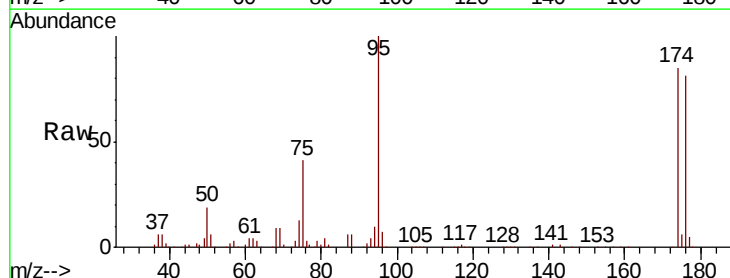
Tgt Ion: 75 Resp: 192022

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

