

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060535.D
 Acq On : 11 Dec 2018 15:03
 Operator : VA/AP
 Sample : J6193-07
 Misc : 6.83g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 12 03:12:58 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	6.42	168	1384562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1966883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1393094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	495148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	461396	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	
35) Dibromofluoromethane	6.33	113	435341	30.13	ug/l	0.00
Spiked Amount						
			Recovery	=	60.26%	
50) Toluene-d8	9.46	98	1426134	34.11	ug/l	0.00
Spiked Amount						
			Recovery	=	68.22%	
62) 4-Bromofluorobenzene	12.43	95	457902	30.61	ug/l	0.00
Spiked Amount						
			Recovery	=	61.22%	

Target Compounds

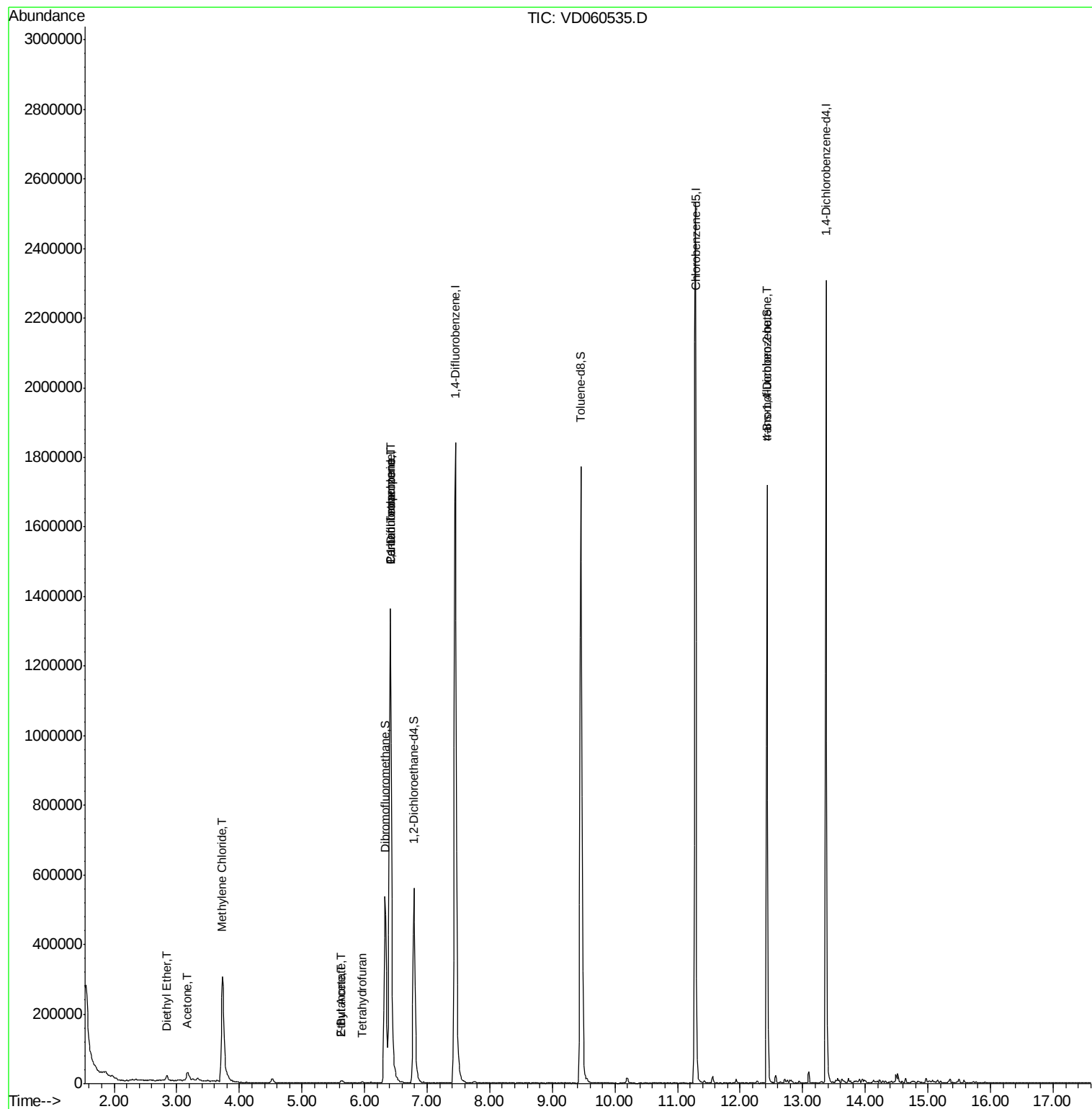
					Qvalue	
8) Diethyl Ether	2.83	74	5837	2.578	ug/l	90
16) Acetone	3.17	43	57237	36.386	ug/l	97
20) Methylene Chloride	3.73	84	212601	11.253	ug/l	96
25) 2-Butanone	5.63	43	13365	4.318	ug/l	99
29) Tetrahydrofuran	5.97	42	2955	1.686	ug/l #	80
31) Cyclohexane	6.42	56	26759	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	99986	5.201	ug/l #	46
37) Ethyl Acetate	5.63	43	13365	1.603	ug/l #	68
38) Carbon Tetrachloride	6.42	117	108806	6.304	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.43	75	193339	123.559	ug/l #	14
89) n-Butylbenzene	13.65	91	3141	Below Cal		89

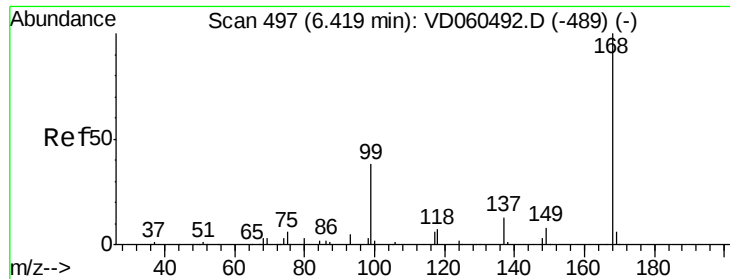
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.42 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

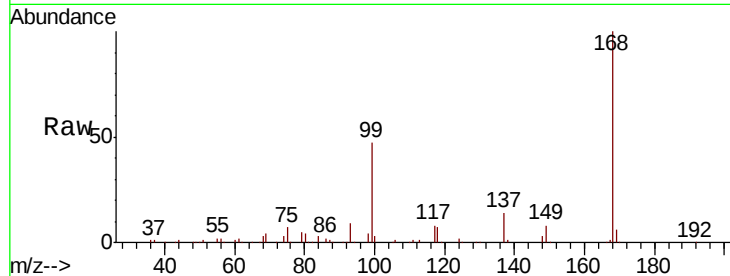
CL-01-121018-D

Tot Ion:168 Resp: 1384562

Ion Ratio Lower Upper

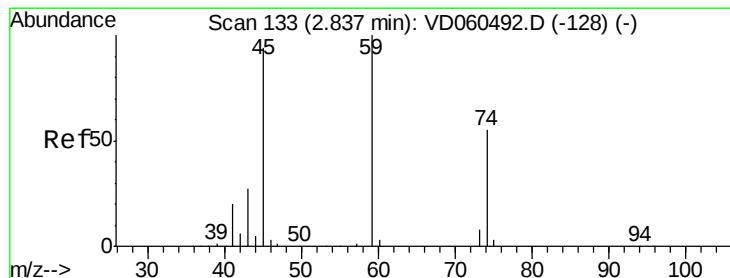
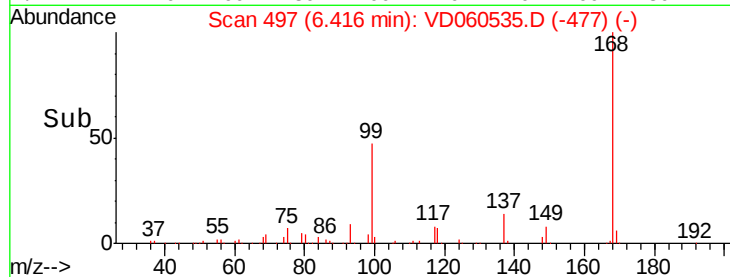
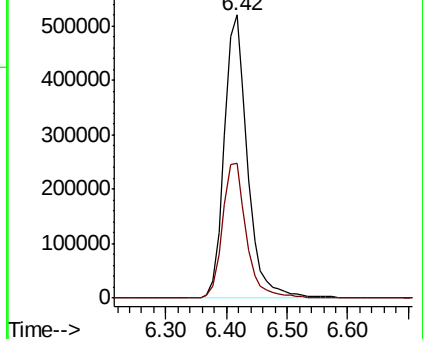
168 100

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



#8

Diethyl Ether

Concen: 2.578 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060535.D

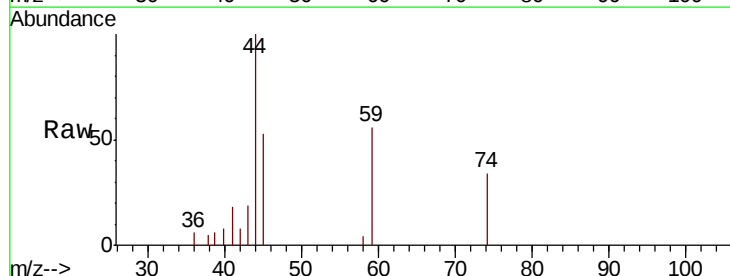
Acq: 11 Dec 2018 15:03

Tgt Ion: 74 Resp: 5837

Ion Ratio Lower Upper

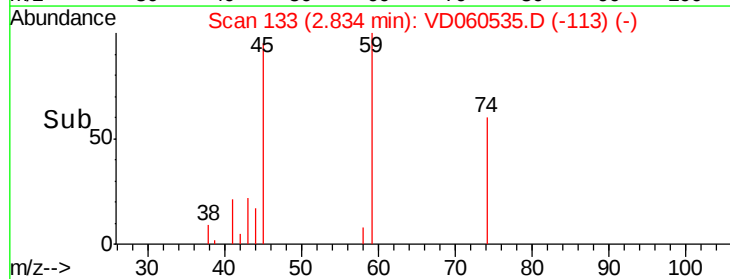
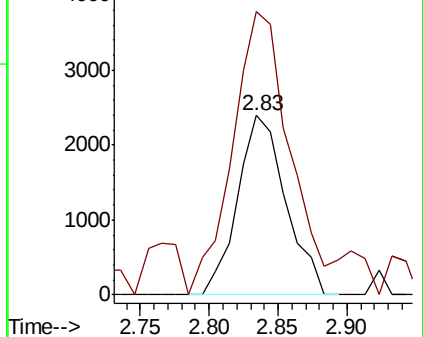
74 100

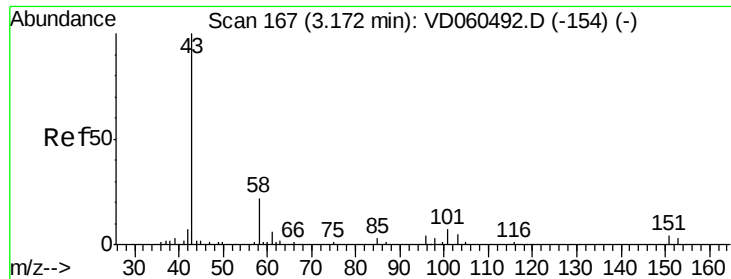
45 157.7 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 36.386 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

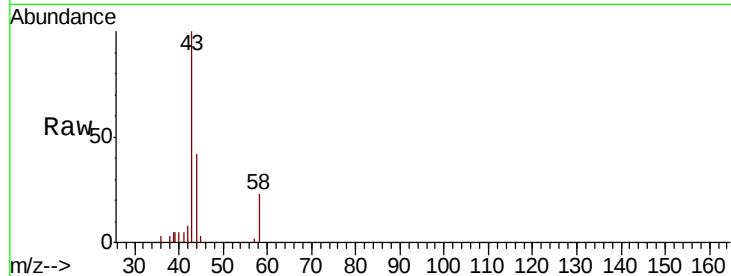
CL-01-121018-D

Tot Ion: 43 Resp: 57237

Ion Ratio Lower Upper

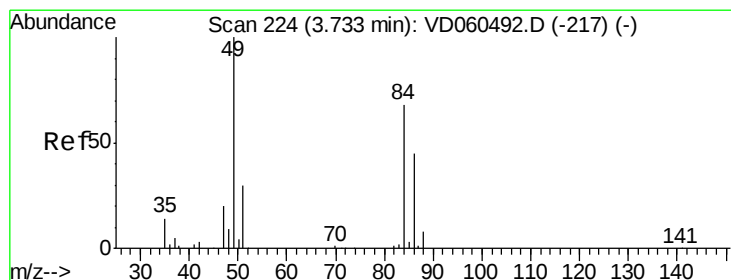
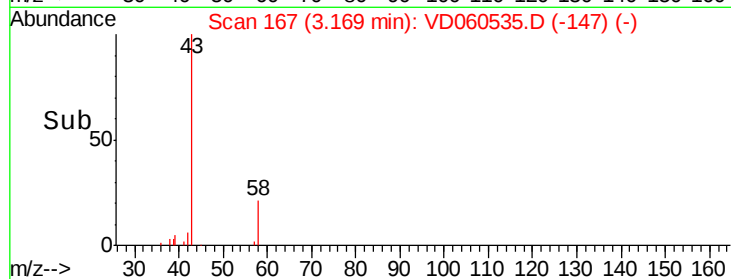
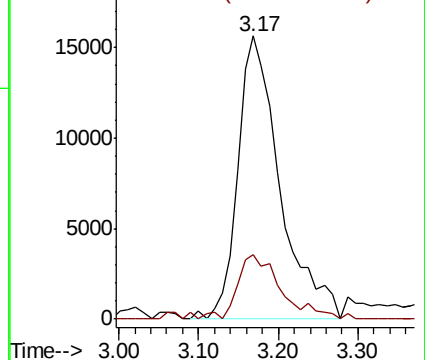
43 100

58 23.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 11.253 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Tgt Ion: 84 Resp: 212601

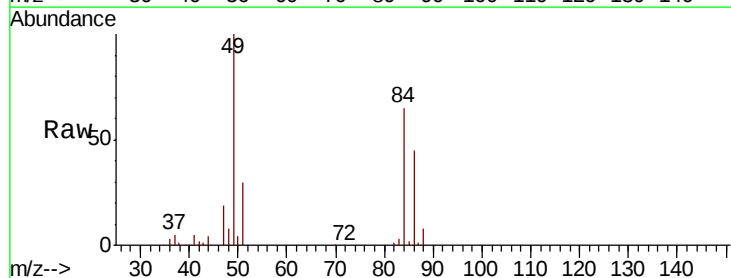
Ion Ratio Lower Upper

84 100

49 153.9 117.2 175.8

51 45.4 35.3 52.9

86 68.7 53.2 79.8

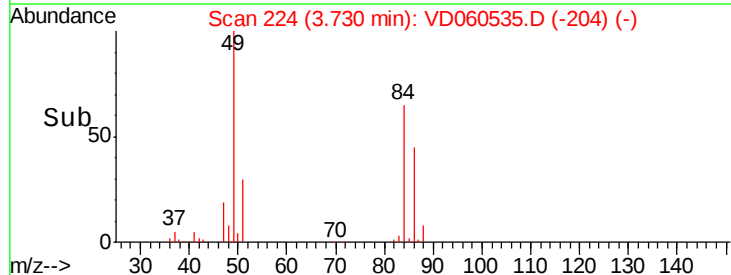
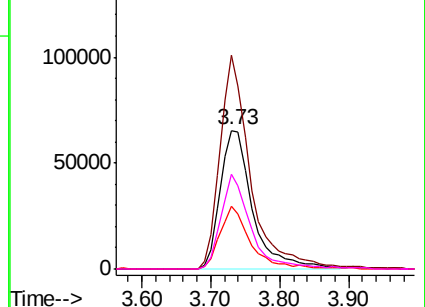


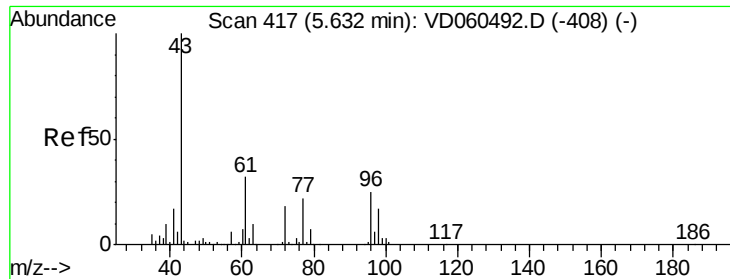
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.318 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

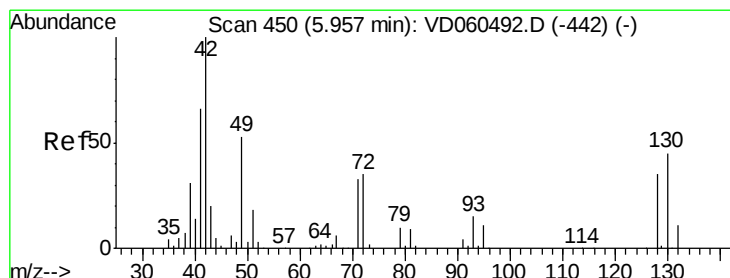
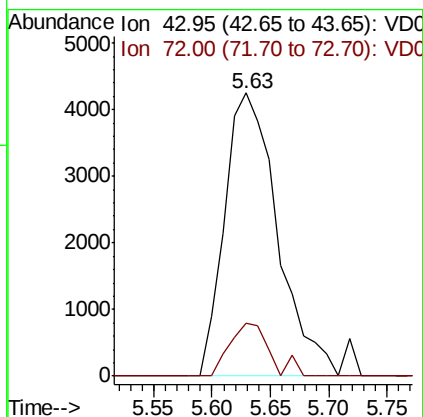
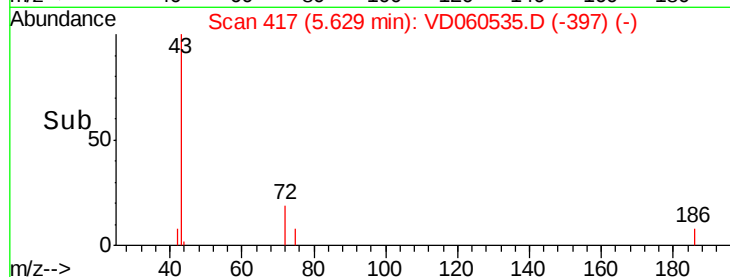
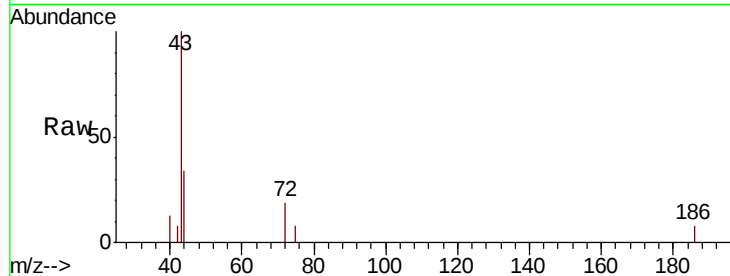
CL-01-121018-D

Tot Ion: 43 Resp: 13365

Ion Ratio Lower Upper

43 100

72 18.7 14.6 21.8



#29

Tetrahydrofuran

Concen: 1.686 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.02 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

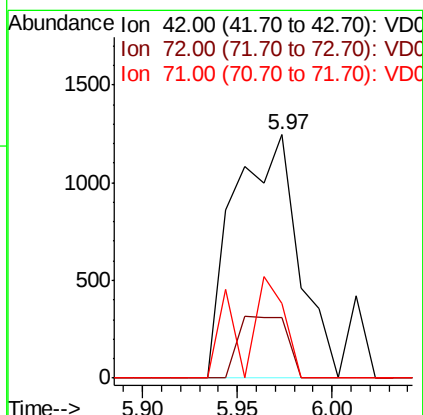
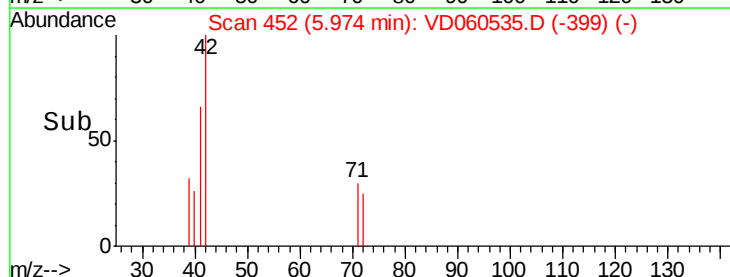
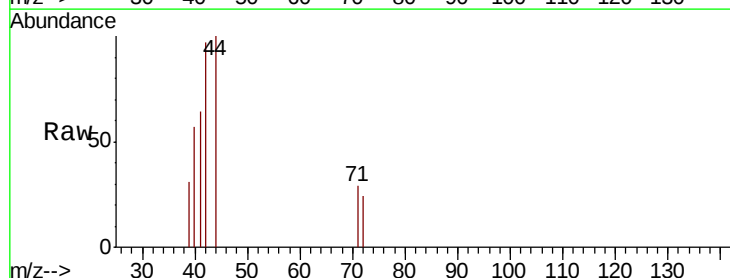
Tgt Ion: 42 Resp: 2955

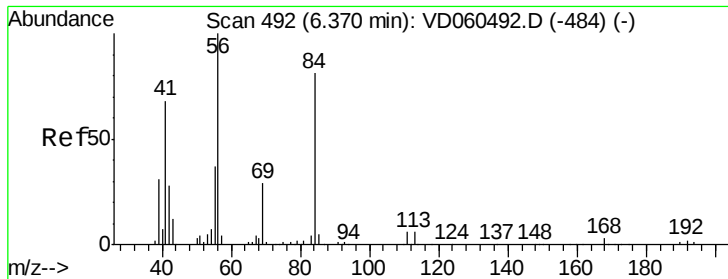
Ion Ratio Lower Upper

42 100

72 18.6 28.0 42.0#

71 27.0 27.2 40.8#

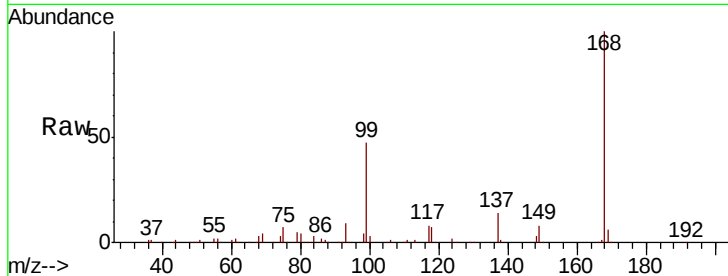




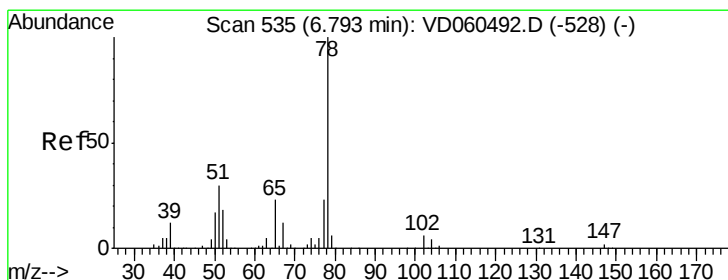
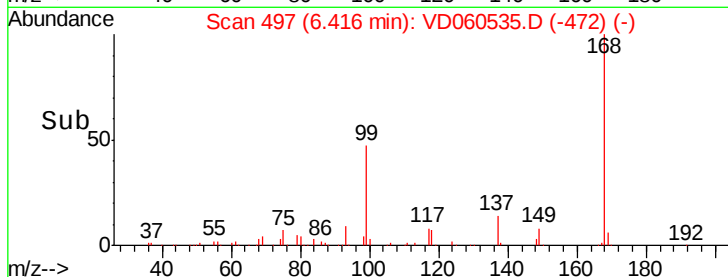
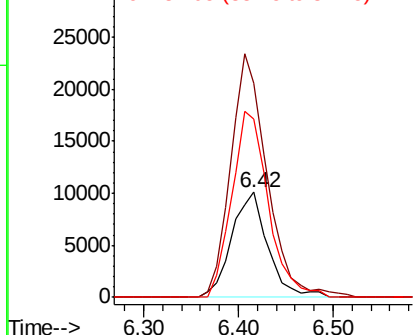
#31
Cyclohexane
Concen: Below Cal
RT: 6.42 min Scan# 497
Delta R.T. 0.05 min
Lab File: VD060535.D
Acq: 11 Dec 2018 15:03

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

Tot Ion: 56 Resp: 26759
Ion Ratio Lower Upper
56 100
69 203.9 22.8 34.2#
84 169.7 65.1 97.7#

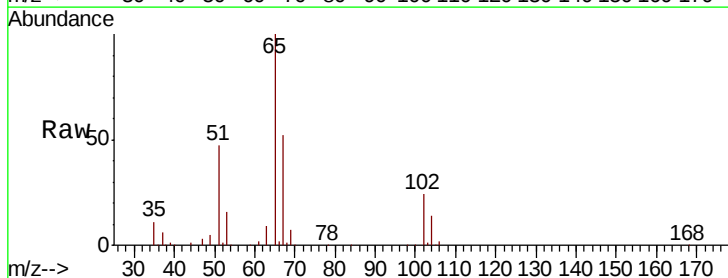


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

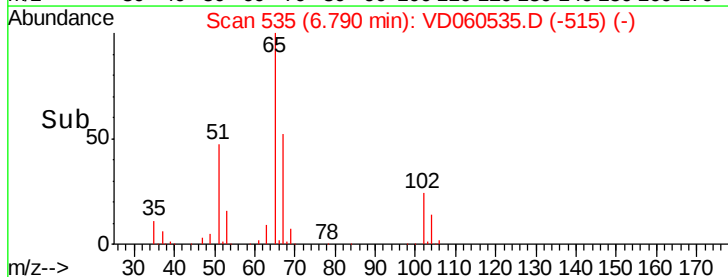
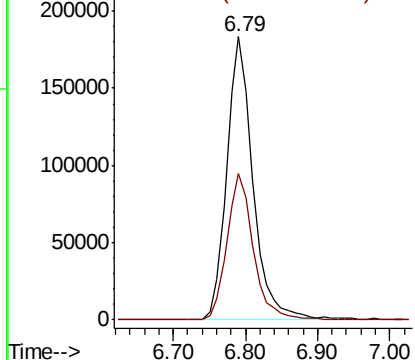


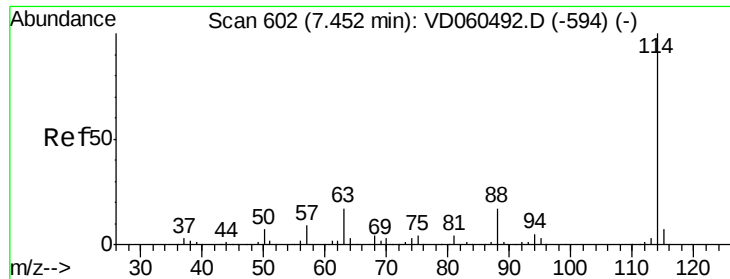
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD060535.D
Acq: 11 Dec 2018 15:03

Tgt Ion: 65 Resp: 461396
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.8



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

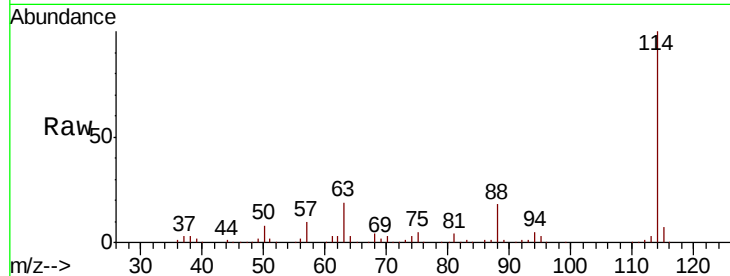




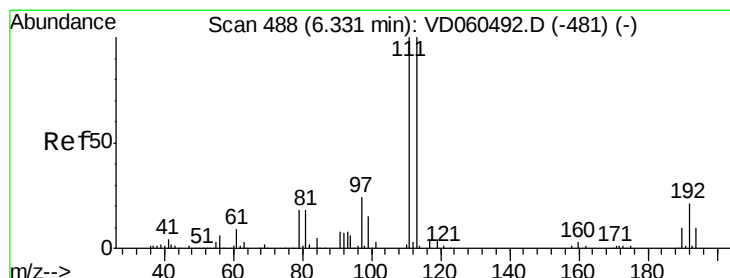
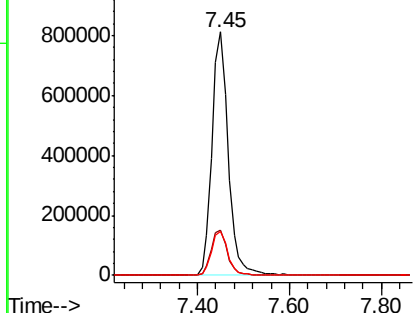
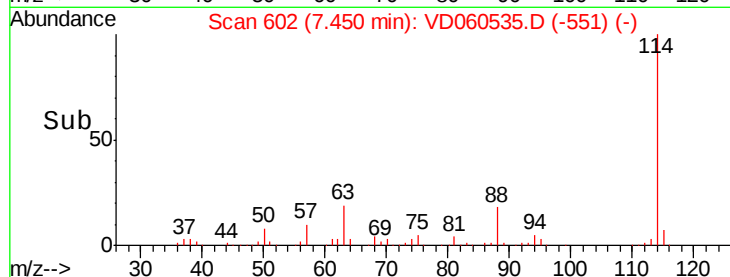
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VD060535.D
 Acq: 11 Dec 2018 15:03

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

Tot Ion:114 Resp: 1966883
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.2
 88 18.2 0.0 35.0

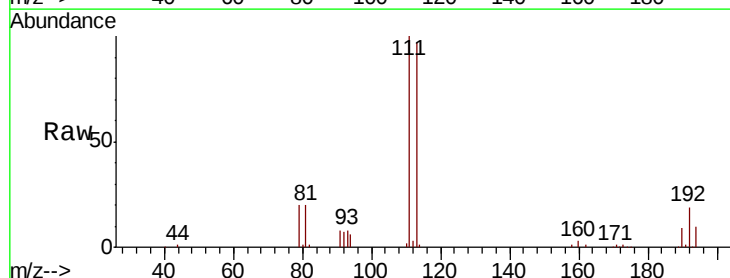


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

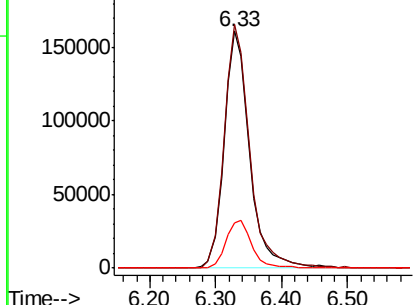
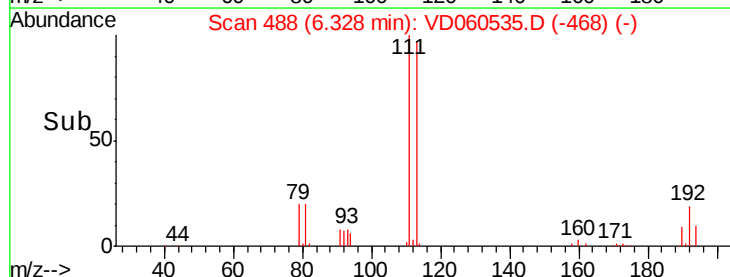


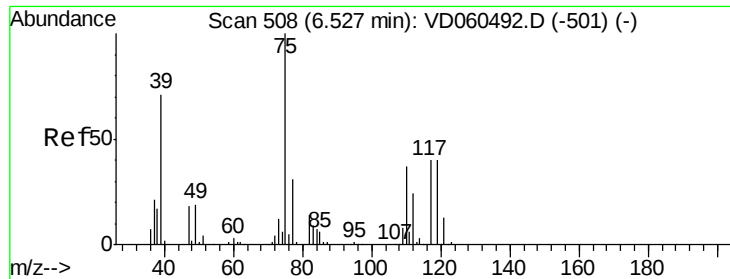
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VD060535.D
 Acq: 11 Dec 2018 15:03

Tgt Ion:113 Resp: 435341
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.2 120.4
 192 19.2 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

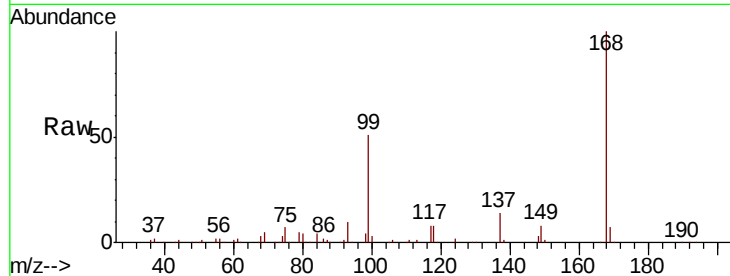




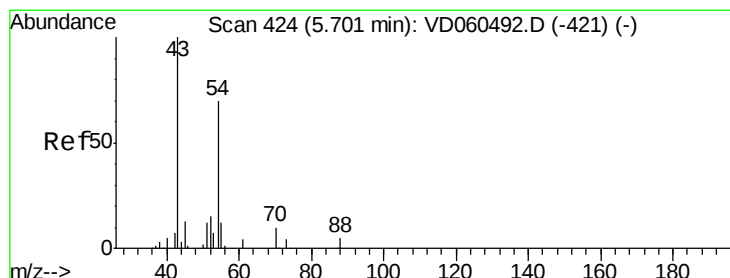
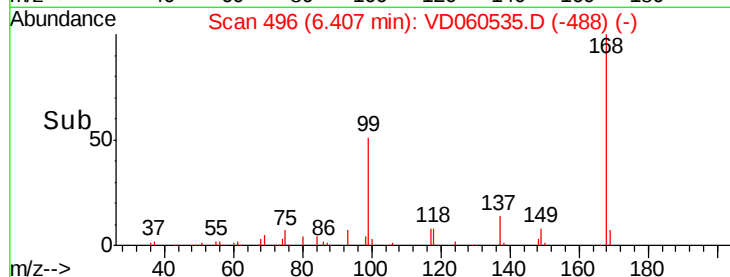
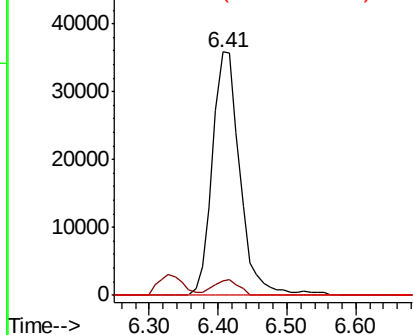
#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060535.D
 Acq: 11 Dec 2018 15:03

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

Tot Ion	75	Resp	99986
Ion Ratio	Lower	Upper	
75	100		
110	6.1	18.3	54.8#
77	0.0	24.6	37.0#

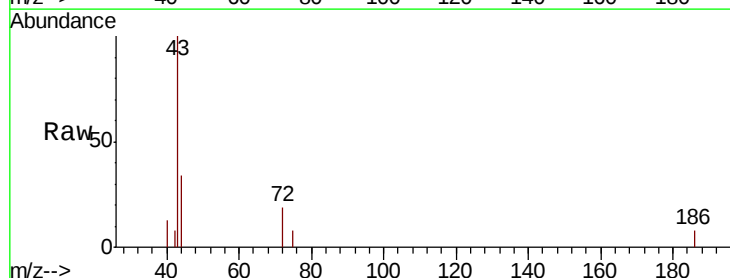


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

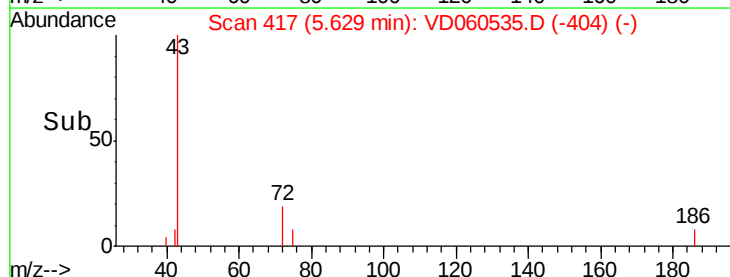
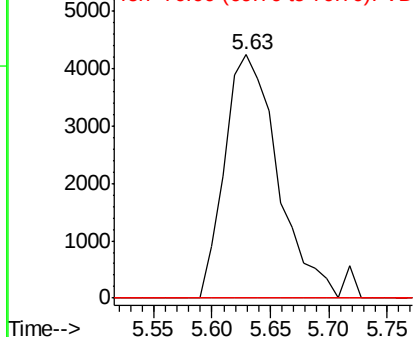


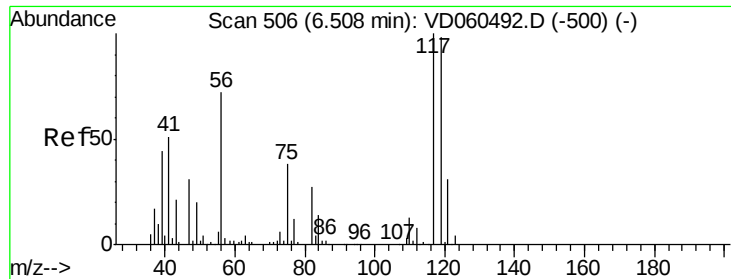
#37
 Ethyl Acetate
 Concen: 1.603 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.07 min
 Lab File: VD060535.D
 Acq: 11 Dec 2018 15:03

Tgt Ion	43	Resp	13365
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: 6.304 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.09 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-D

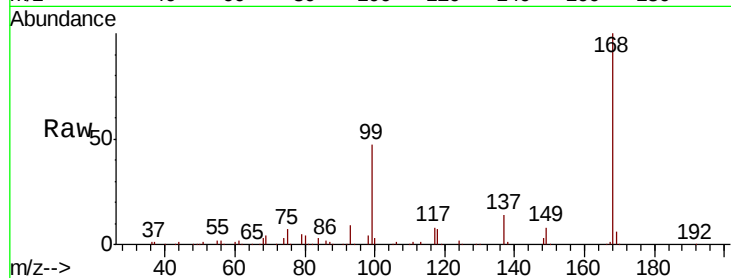
Tot Ion:117 Resp: 108806

Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

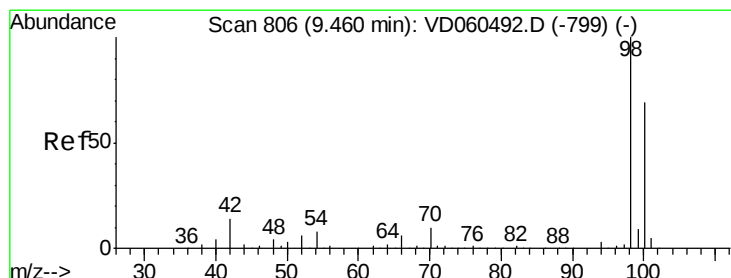
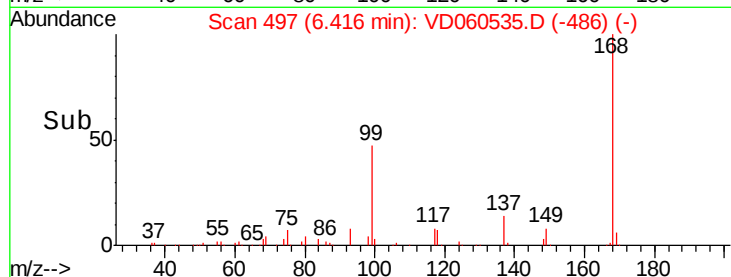
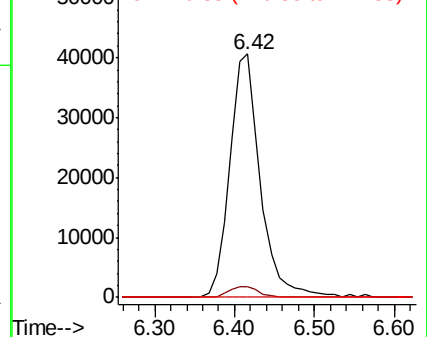
121 0.0 24.4 36.6#



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# 806

Delta R.T. -0.00 min

Lab File: VD060535.D

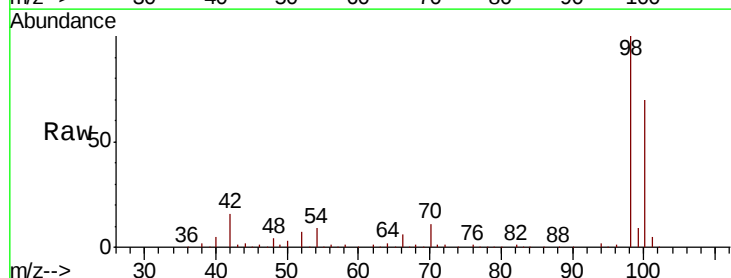
Acq: 11 Dec 2018 15:03

Tgt Ion: 98 Resp: 1426134

Ion Ratio Lower Upper

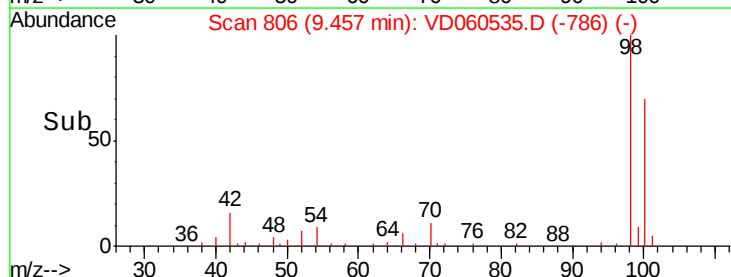
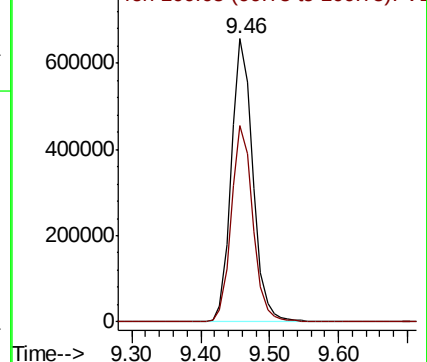
98 100

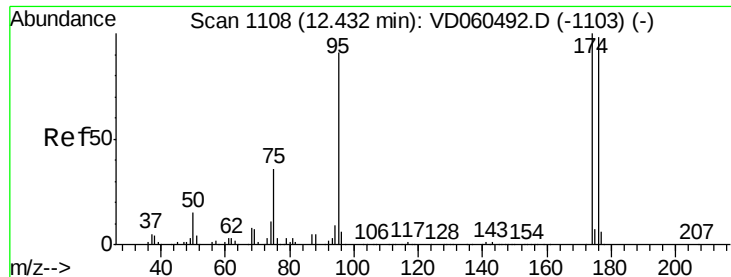
100 69.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

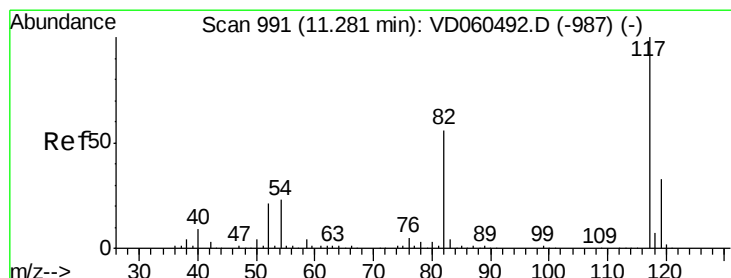
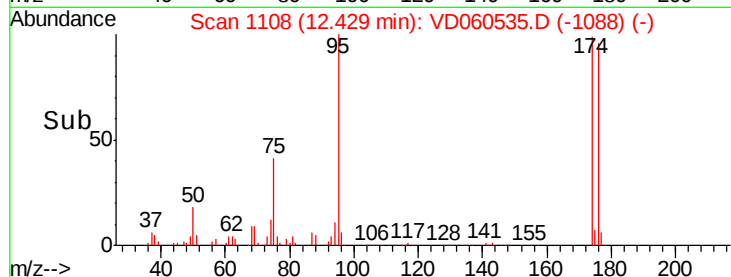
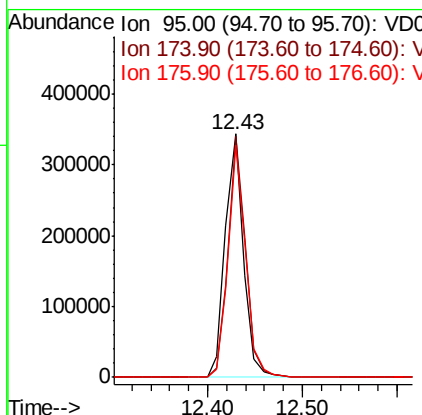
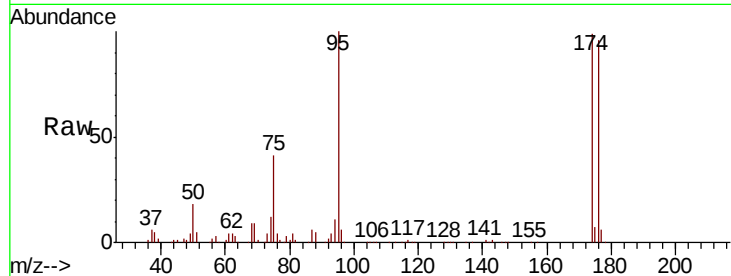




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VD060535.D
Acq: 11 Dec 2018 15:03

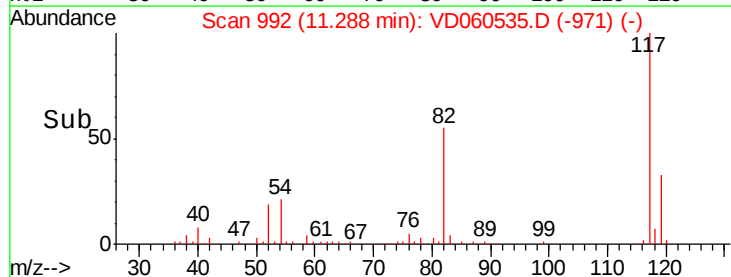
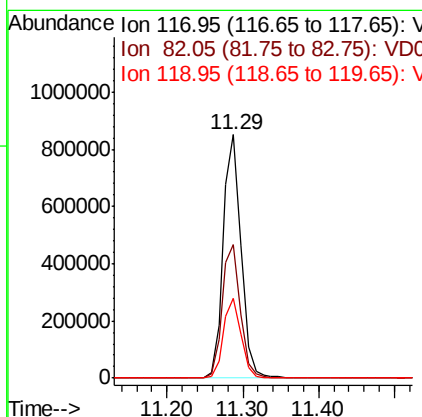
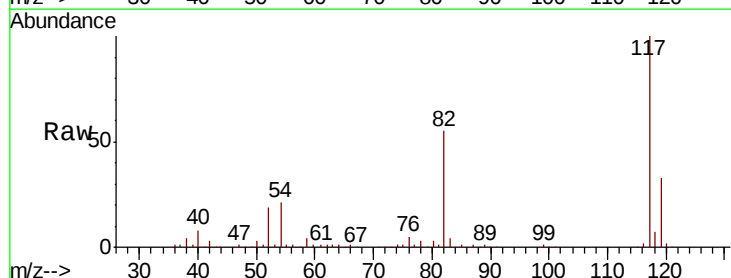
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-D

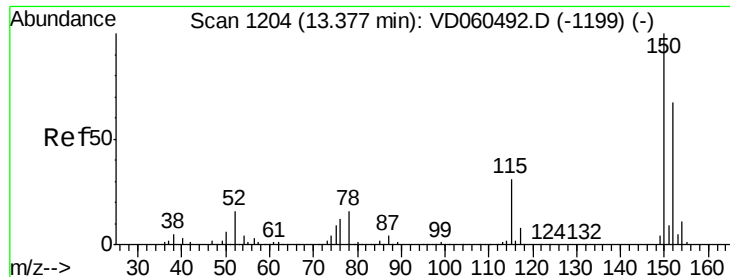
Tot Ion: 95 Resp: 457902
Ion Ratio Lower Upper
95 100
174 98.9 0.0 219.4
176 95.6 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD060535.D
Acq: 11 Dec 2018 15:03

Tgt Ion: 117 Resp: 1393094
Ion Ratio Lower Upper
117 100
82 54.6 45.2 67.8
119 32.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-D

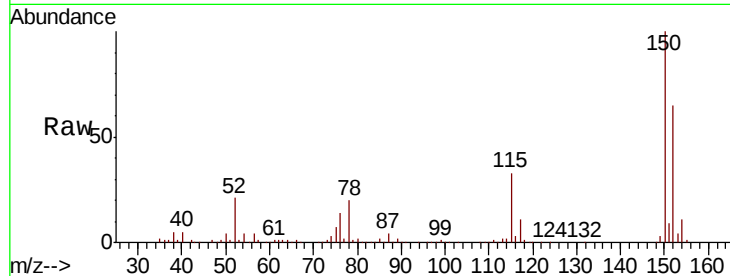
Tot Ion:152 Resp: 495148

Ion Ratio Lower Upper

152 100

115 50.5 24.6 74.0

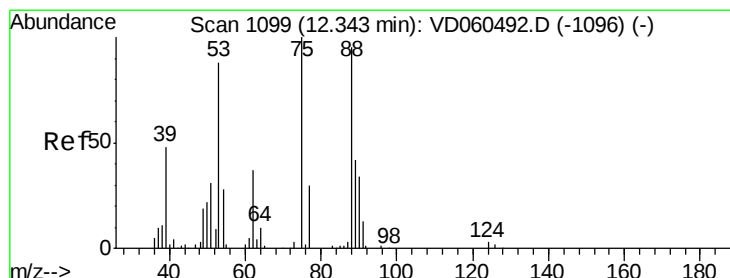
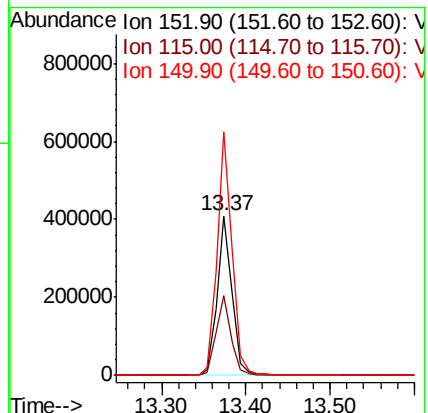
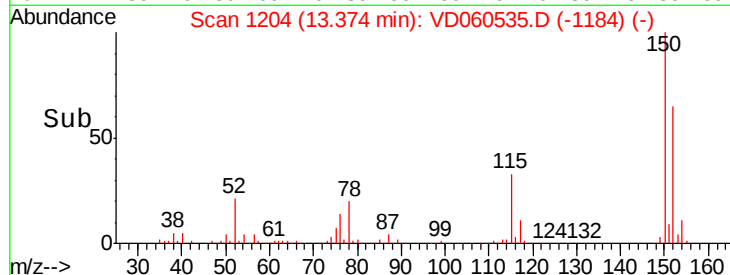
150 153.0 0.0 309.0



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: 123.559 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060535.D

Acq: 11 Dec 2018 15:03

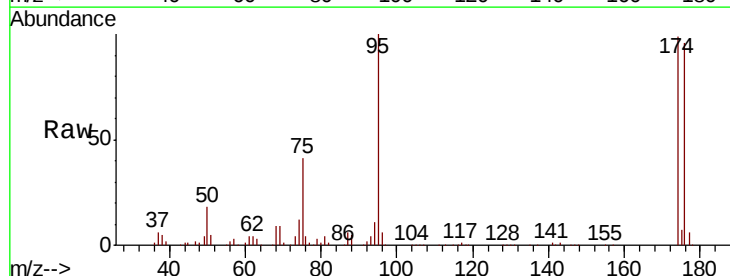
Tgt Ion: 75 Resp: 193339

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

