

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060532.D
 Acq On : 11 Dec 2018 13:38
 Operator : VA/AP
 Sample : J6193-01
 Misc : 5.26g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 12 03:12:24 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	1504435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2126607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1473250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	551383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	517862	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	6.33	113	685684	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
50) Toluene-d8	9.45	98	1756017	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	12.43	95	537411	33.23	ug/l	0.00
Spiked Amount			Recovery	=	66.46%	

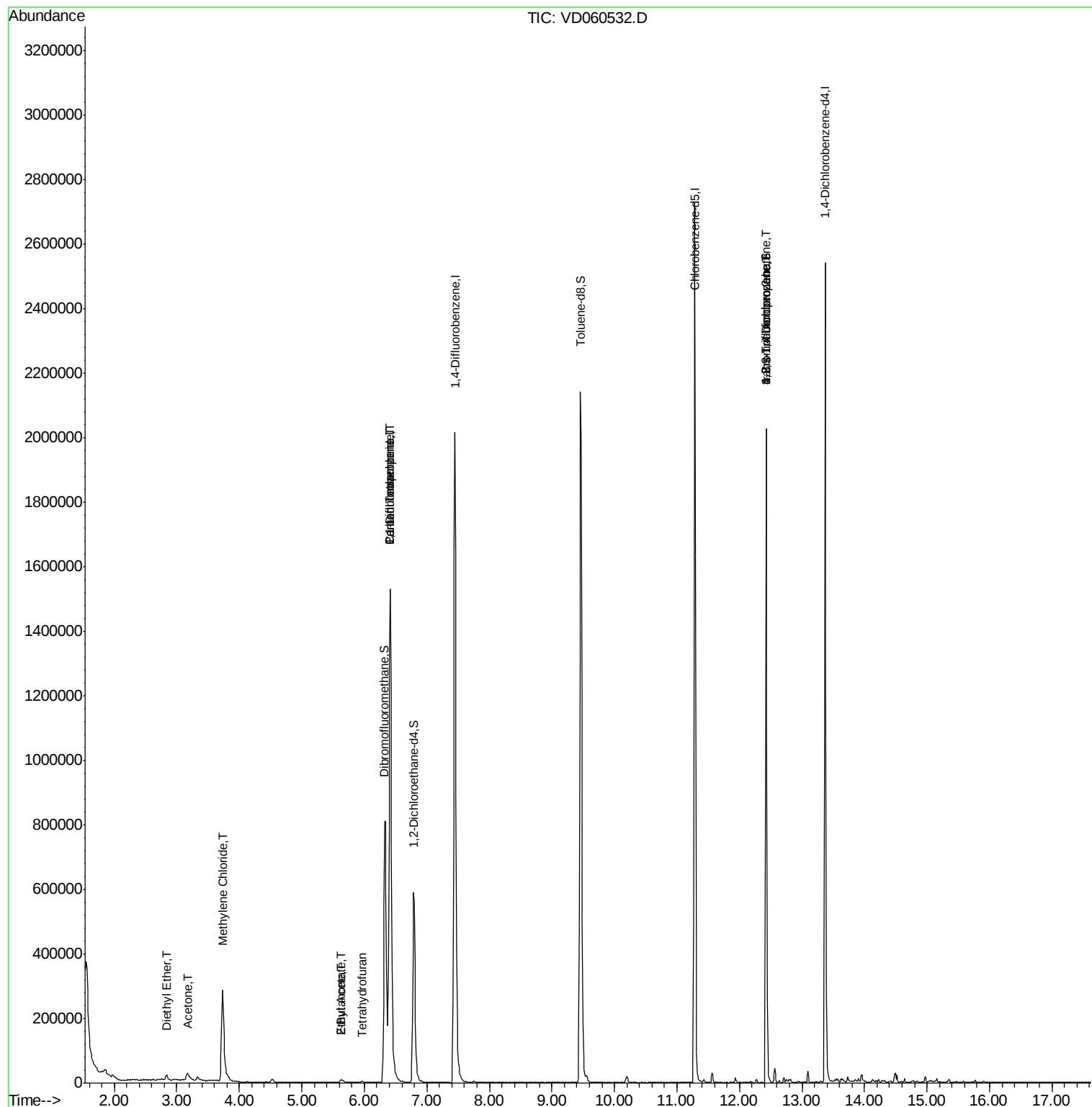
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	727	Below Cal	#	41
8) Diethyl Ether	2.84	74	5978	2.430	ug/l	97
16) Acetone	3.18	43	54818	32.071	ug/l	95
20) Methylene Chloride	3.74	84	194755	8.716	ug/l	96
25) 2-Butanone	5.63	43	18145	5.396	ug/l	93
29) Tetrahydrofuran	5.98	42	4156	2.182	ug/l	# 77
31) Cyclohexane	6.41	56	27180	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	108580	5.223	ug/l	# 47
37) Ethyl Acetate	5.63	43	18145	2.013	ug/l	# 68
38) Carbon Tetrachloride	6.41	117	117081	6.274	ug/l	# 15
76) 1,2,3-Trichloropropane	12.43	75	159003	25.451	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.43	75	223099	128.037	ug/l	# 14
89) n-Butylbenzene	13.65	91	3413	Below Cal		94

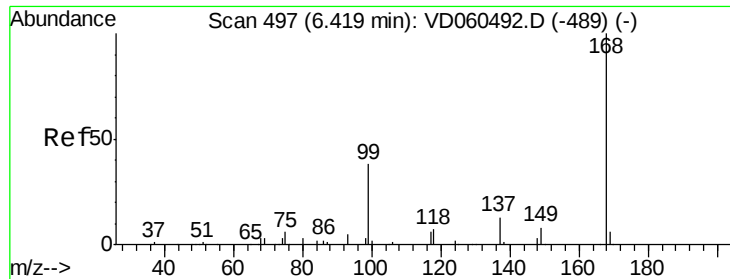
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060532.D

Acq: 11 Dec 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

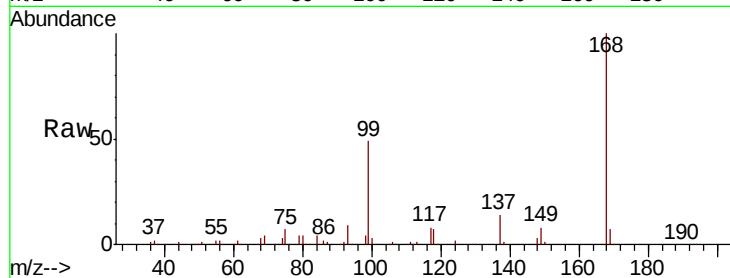
CL-01-121018-A

Tot Ion:168 Resp: 1504435

Ion Ratio Lower Upper

168 100

99 48.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

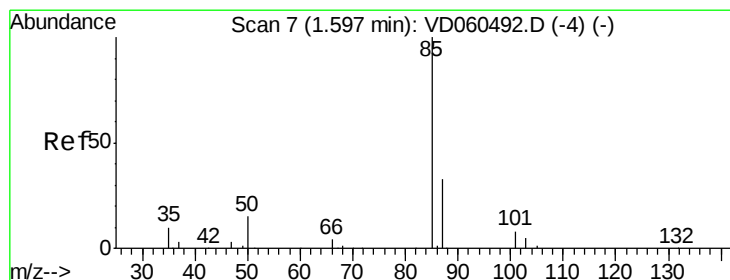
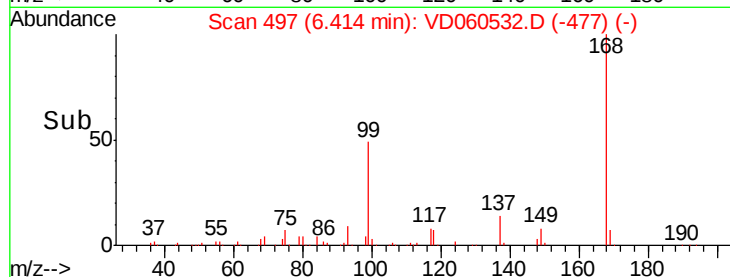
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060532.D

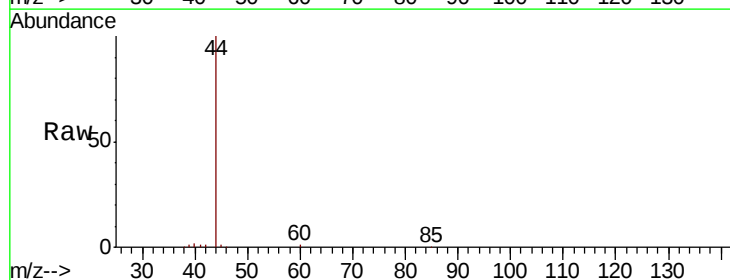
Acq: 11 Dec 2018 13:38

Tgt Ion: 85 Resp: 727

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

1.59

600

500

400

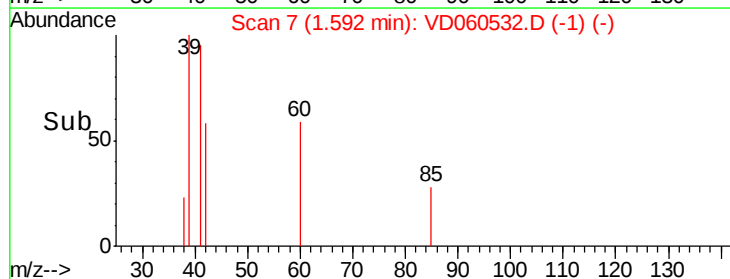
300

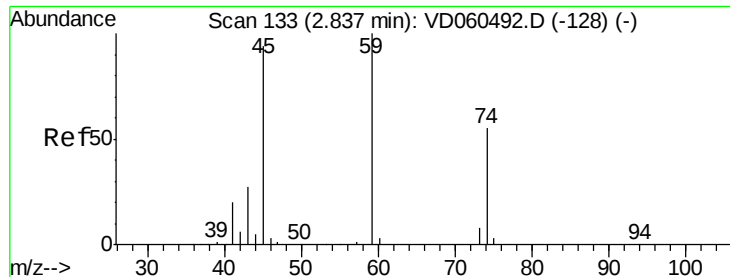
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.430 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD060532.D

Acq: 11 Dec 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

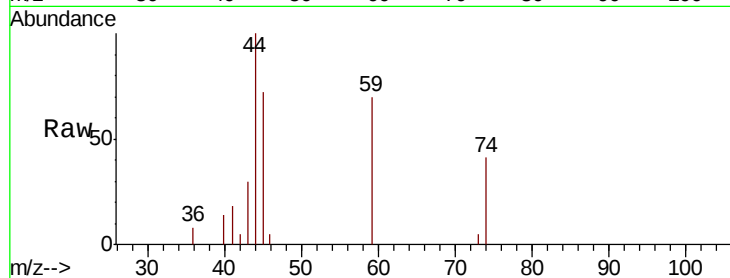
CL-01-121018-A

Tot Ion: 74 Resp: 5978

Ion Ratio Lower Upper

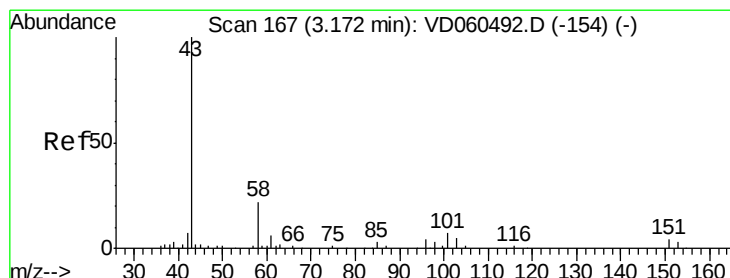
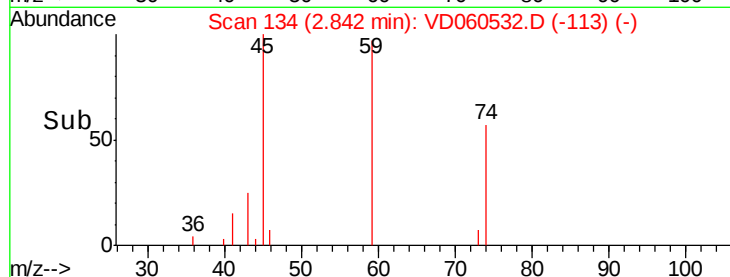
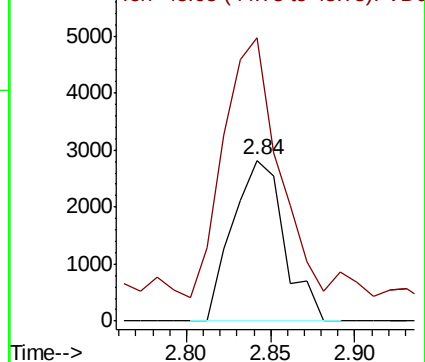
74 100

45 176.1 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: 32.071 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060532.D

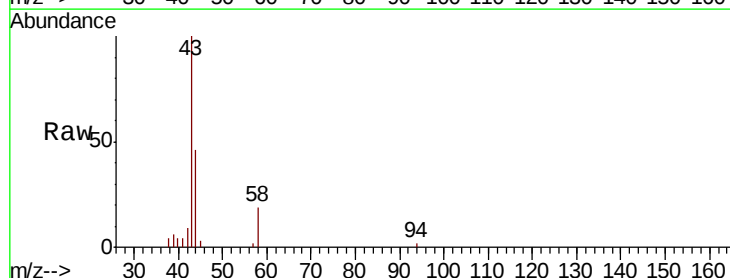
Acq: 11 Dec 2018 13:38

Tgt Ion: 43 Resp: 54818

Ion Ratio Lower Upper

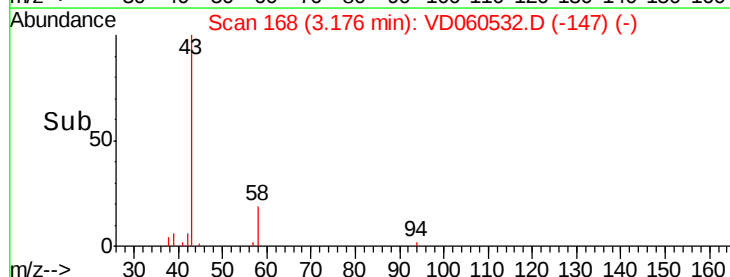
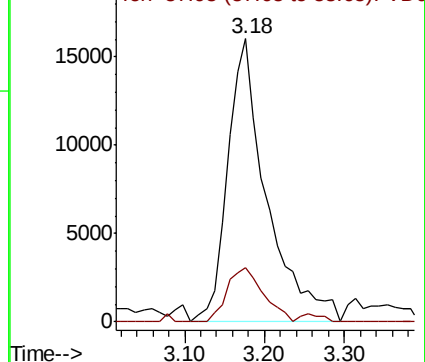
43 100

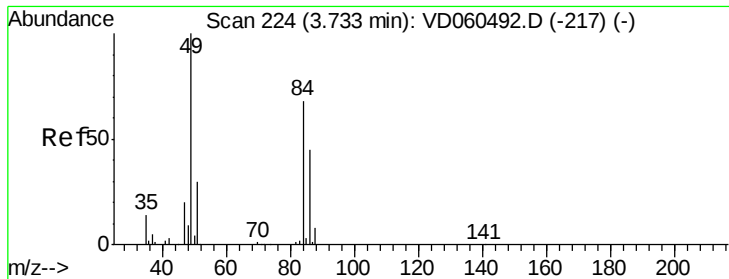
58 19.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 8.716 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060532.D

Acq: 11 Dec 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-A

Tot Ion: 84 Resp: 194755

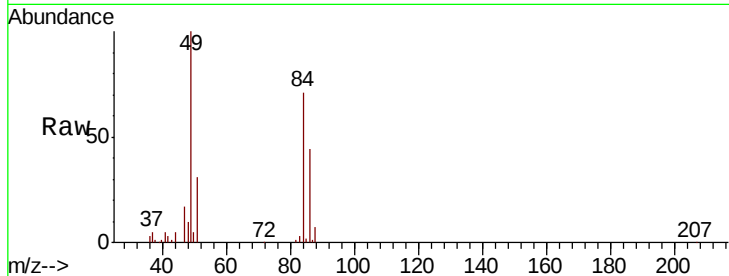
Ion Ratio Lower Upper

84 100

49 140.4 117.2 175.8

51 43.2 35.3 52.9

86 62.4 53.2 79.8

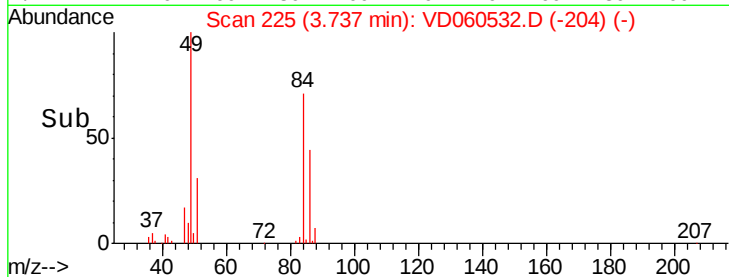
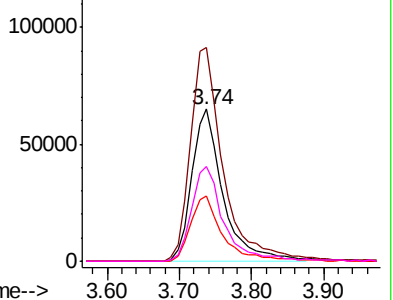


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 5.396 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060532.D

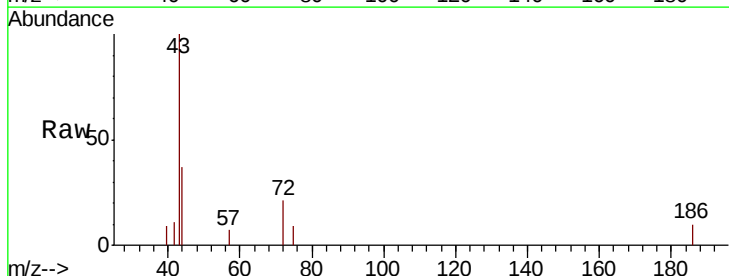
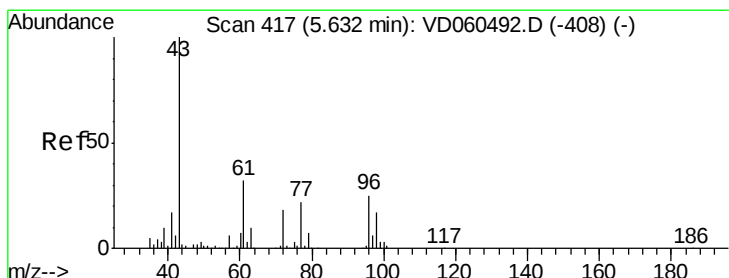
Acq: 11 Dec 2018 13:38

Tgt Ion: 43 Resp: 18145

Ion Ratio Lower Upper

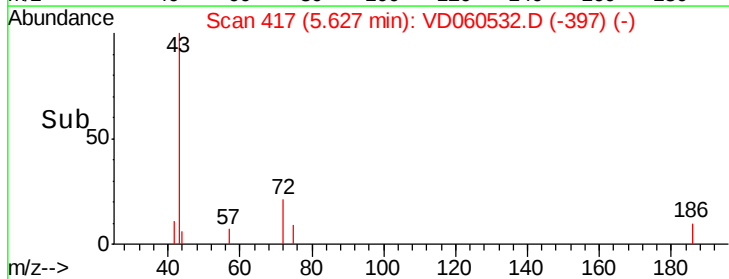
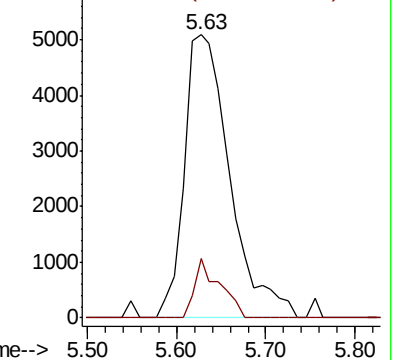
43 100

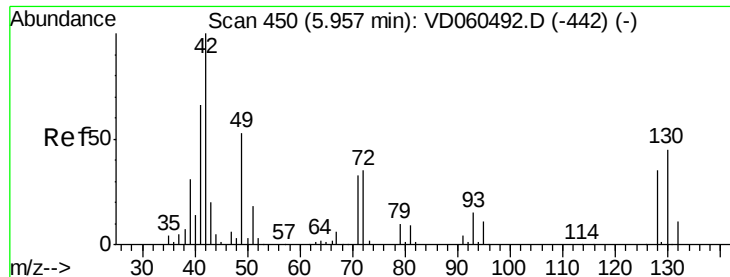
72 21.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

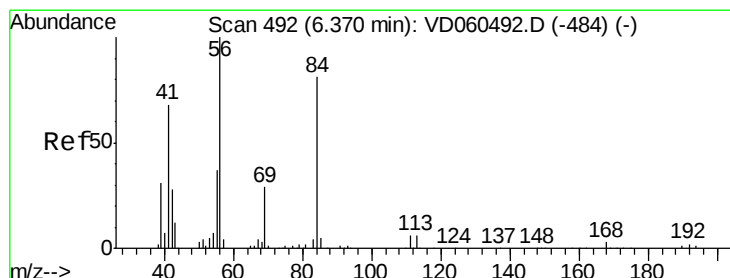
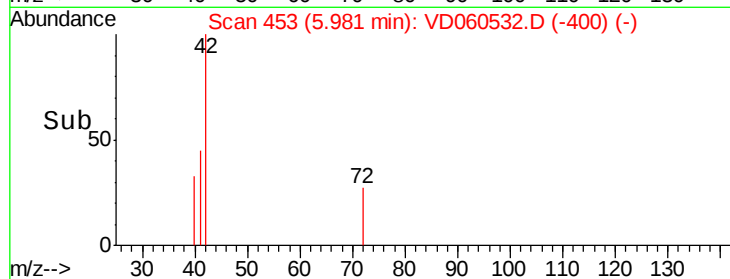
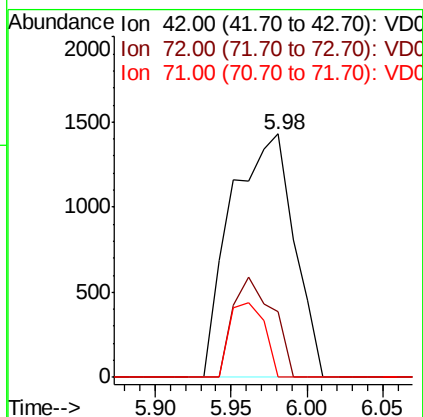
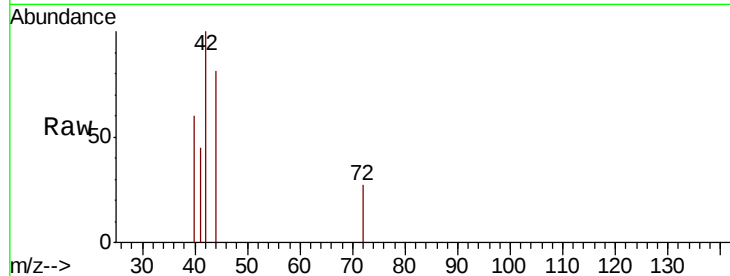




#29
Tetrahydrofuran
Concen: 2.182 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

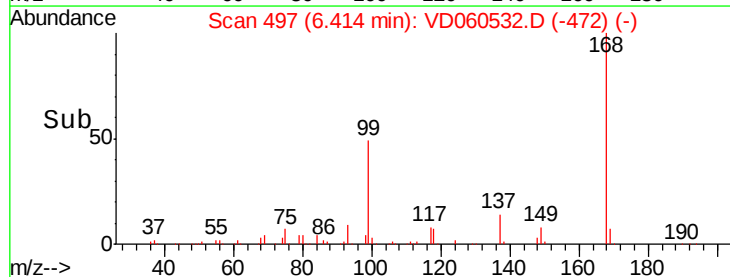
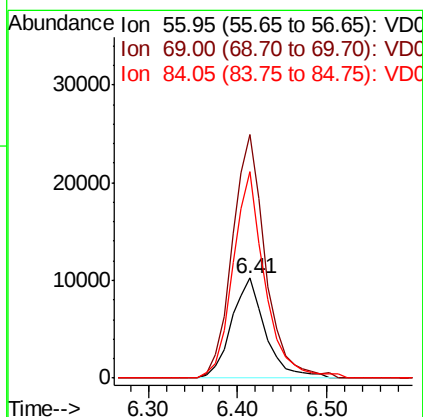
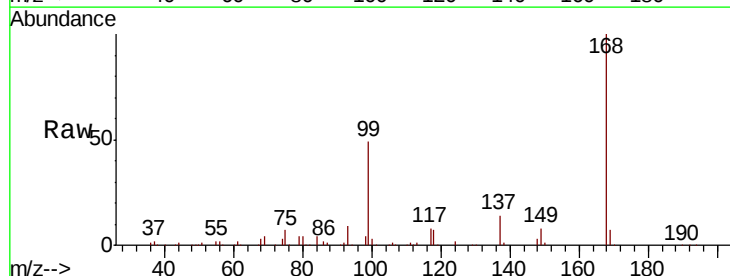
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-A

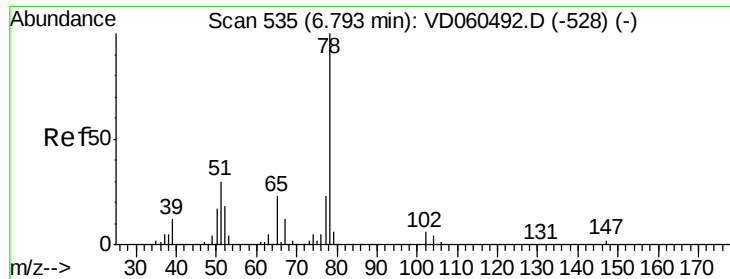
Tot Ion: 42 Resp: 4156
Ion Ratio Lower Upper
42 100
72 25.9 28.0 42.0#
71 16.7 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.41 min Scan# 497
Delta R.T. 0.04 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

Tgt Ion: 56 Resp: 27180
Ion Ratio Lower Upper
56 100
69 243.1 22.8 34.2#
84 206.6 65.1 97.7#

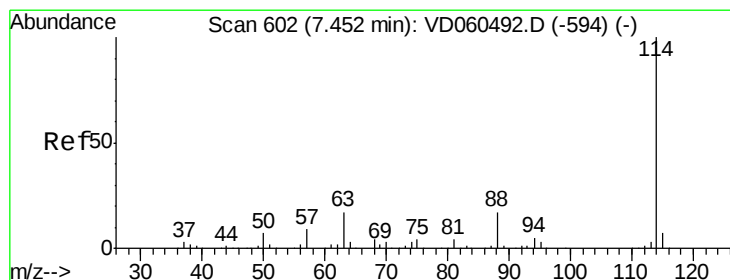
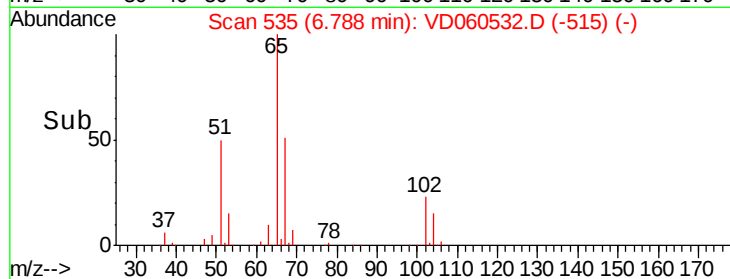
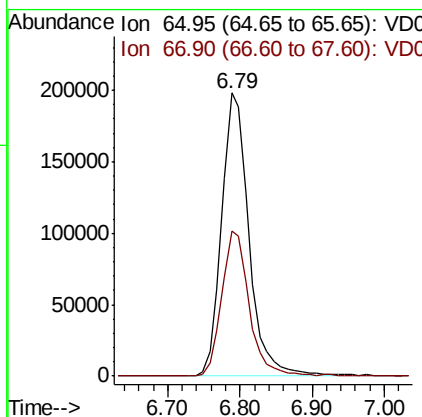
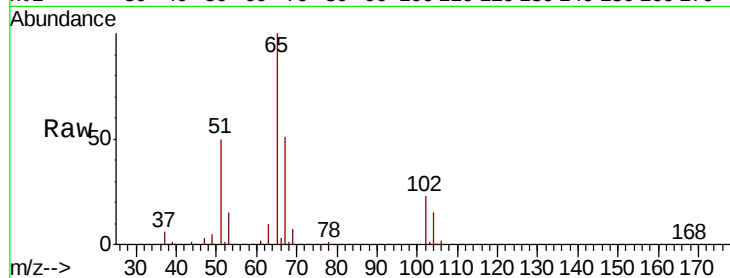




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060532.D
 Acq: 11 Dec 2018 13:38

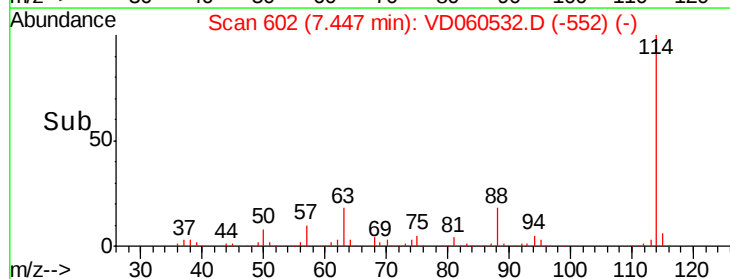
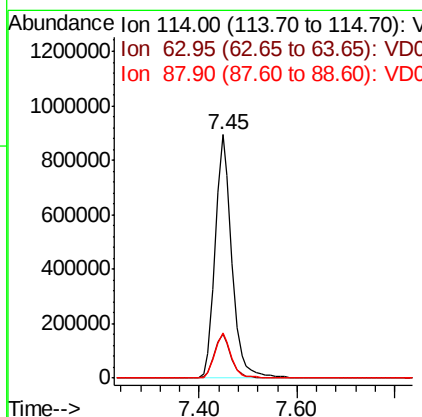
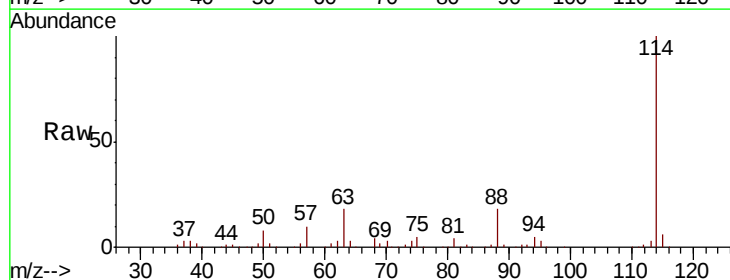
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-A

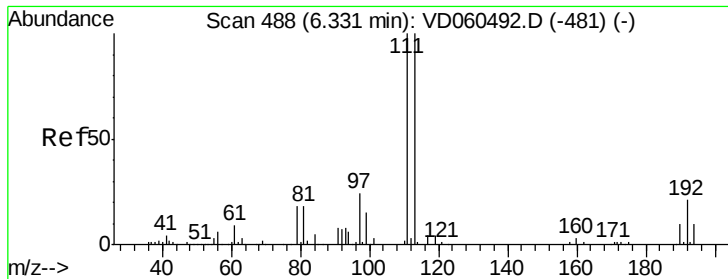
Tot Ion: 65 Resp: 517862
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060532.D
 Acq: 11 Dec 2018 13:38

Tgt Ion: 114 Resp: 2126607
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 18.3 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060532.D

Acq: 11 Dec 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-A

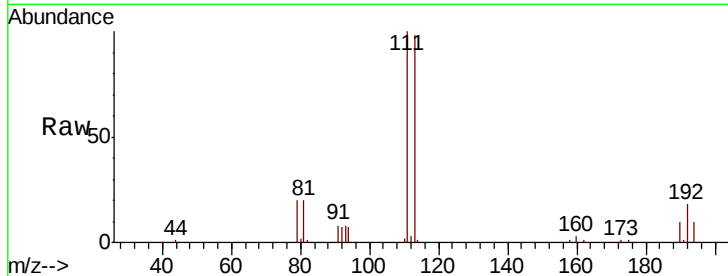
Tot Ion:113 Resp: 685684

Ion Ratio Lower Upper

113 100

111 101.5 80.2 120.4

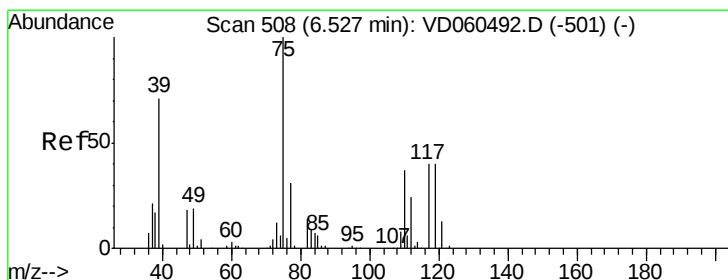
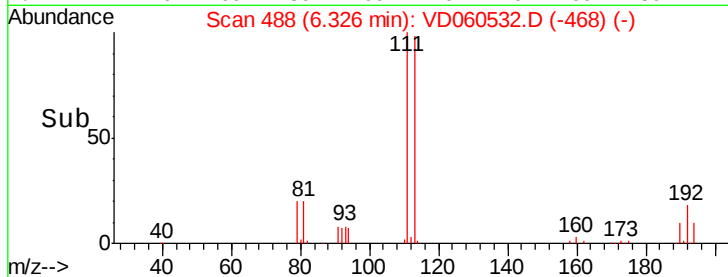
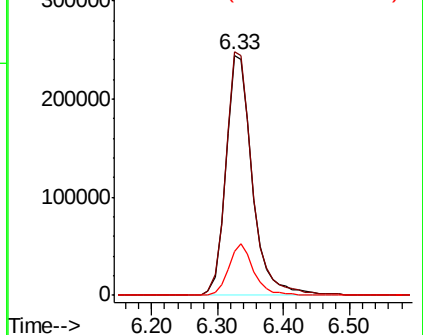
192 18.5 16.6 24.8



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: 5.223 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.11 min

Lab File: VD060532.D

Acq: 11 Dec 2018 13:38

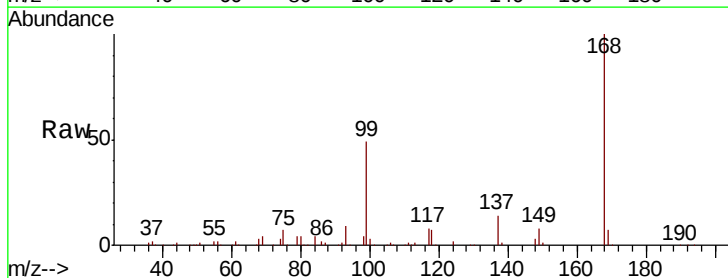
Tgt Ion: 75 Resp: 108580

Ion Ratio Lower Upper

75 100

110 6.8 18.3 54.8#

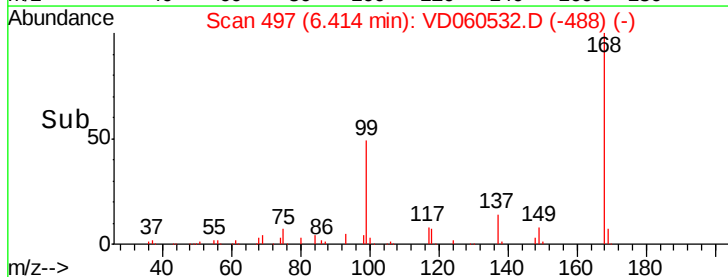
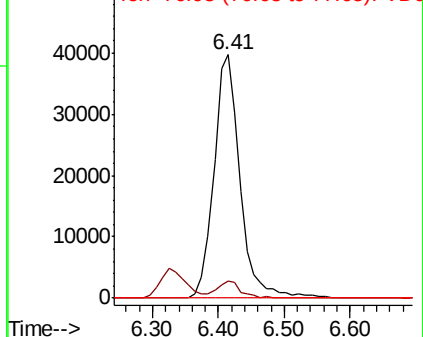
77 0.0 24.6 37.0#

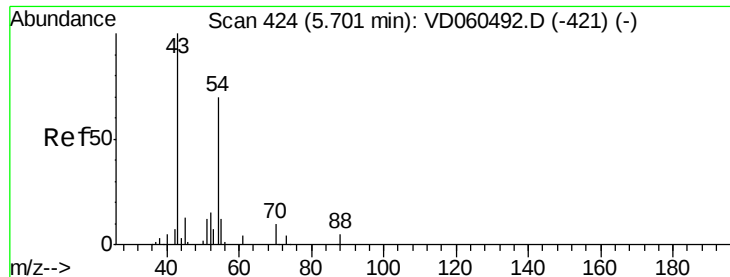


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

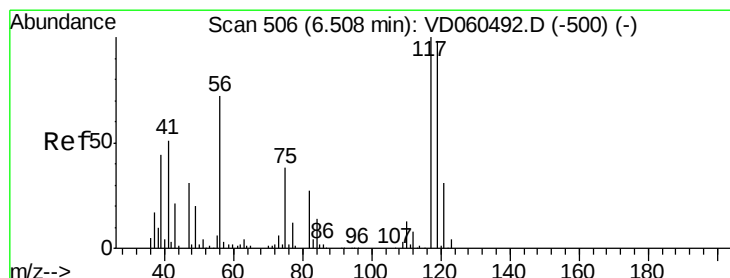
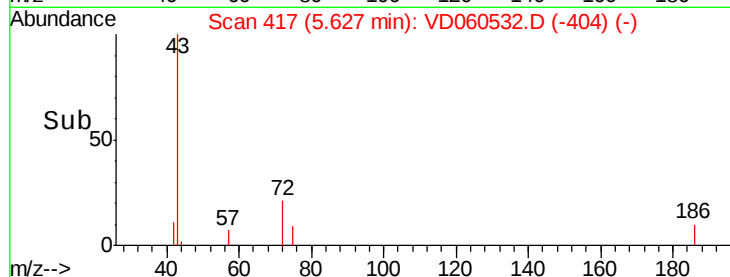
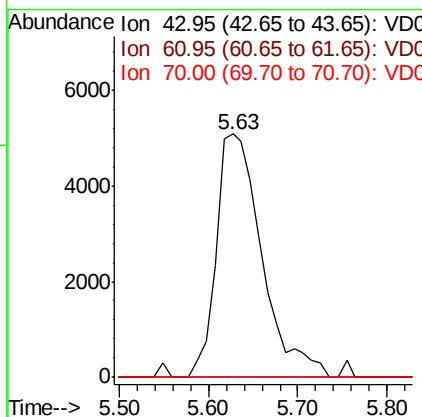
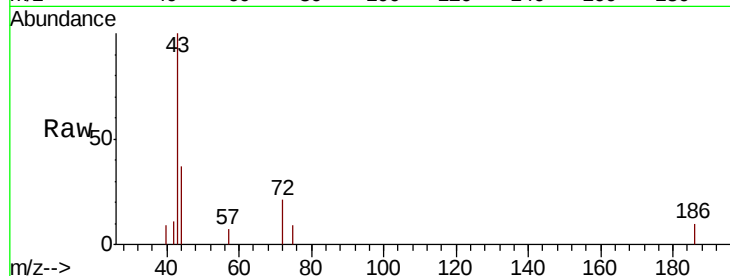




#37
Ethyl Acetate
Concen: 2.013 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.07 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

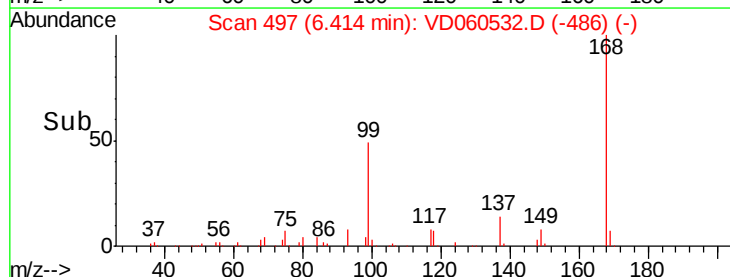
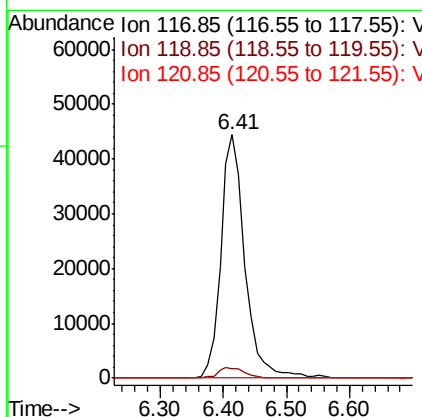
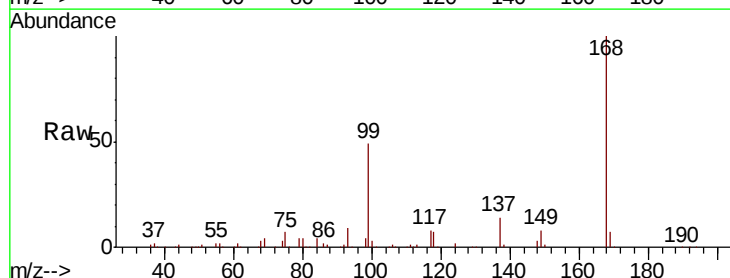
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-A

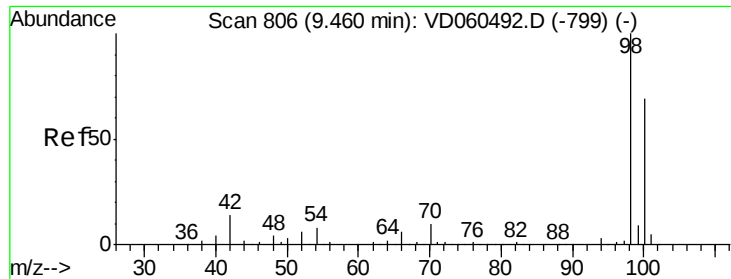
Tot Ion: 43 Resp: 18145
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#



#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.09 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

Tgt Ion: 117 Resp: 117081
Ion Ratio Lower Upper
117 100
119 3.9 76.8 115.2#
121 0.0 24.4 36.6#

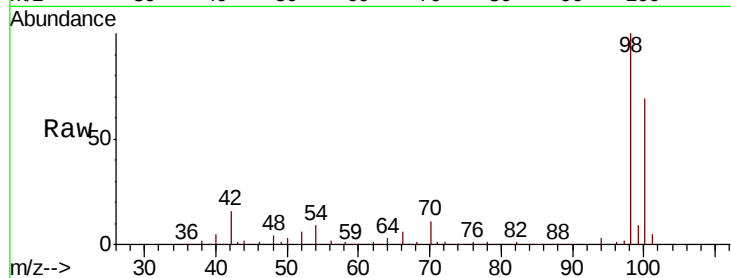




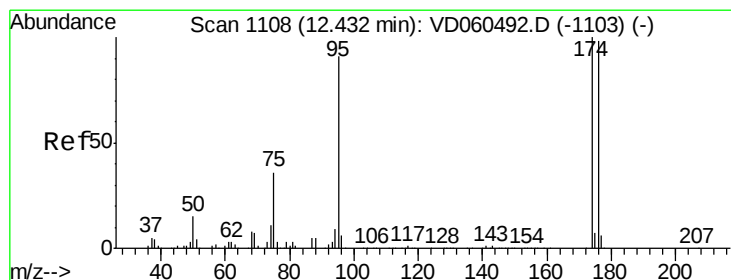
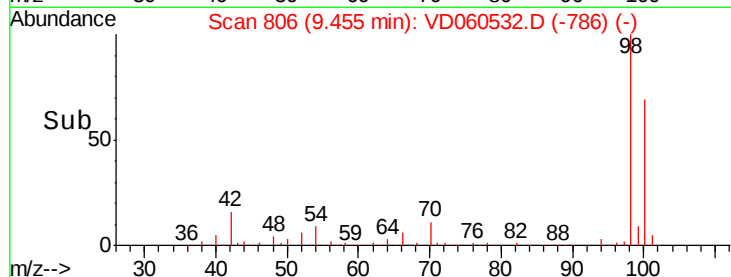
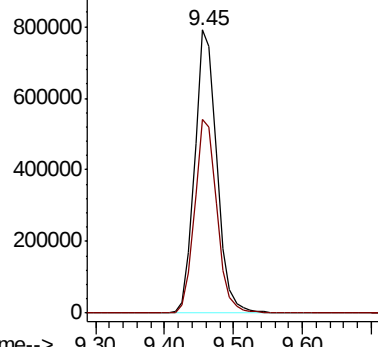
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

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

Tot Ion: 98 Resp: 1756017
Ion Ratio Lower Upper
98 100
100 68.6 55.7 83.5

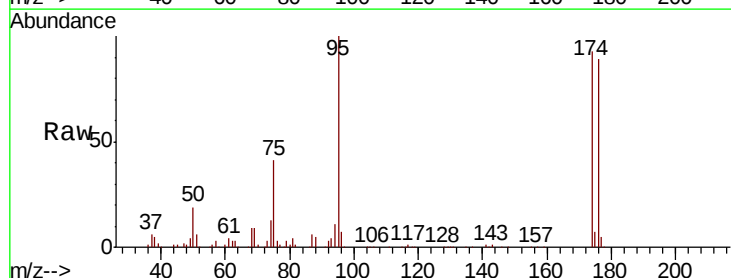


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

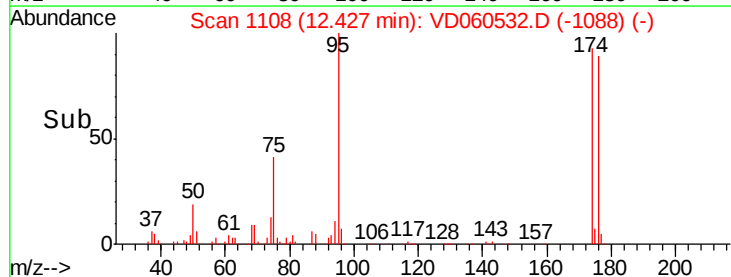
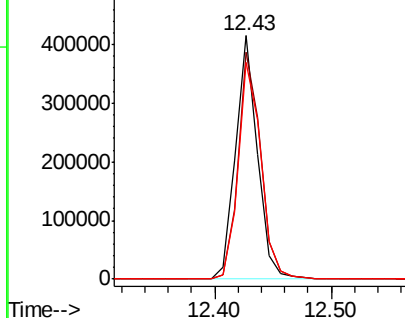


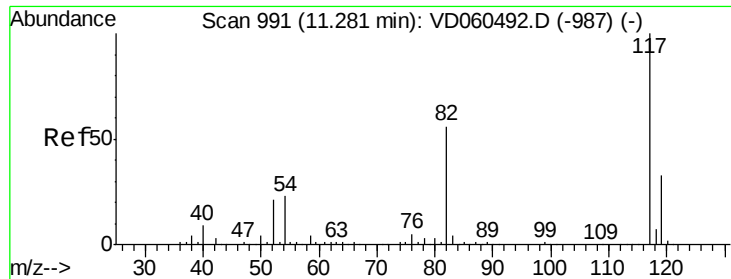
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

Tgt Ion: 95 Resp: 537411
Ion Ratio Lower Upper
95 100
174 93.2 0.0 219.4
176 89.0 0.0 214.6



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

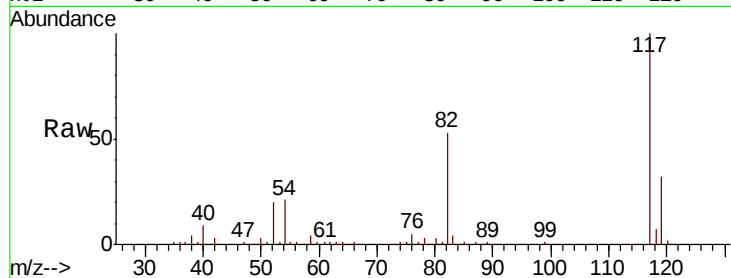




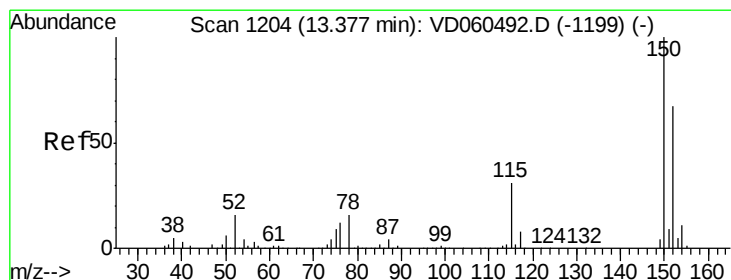
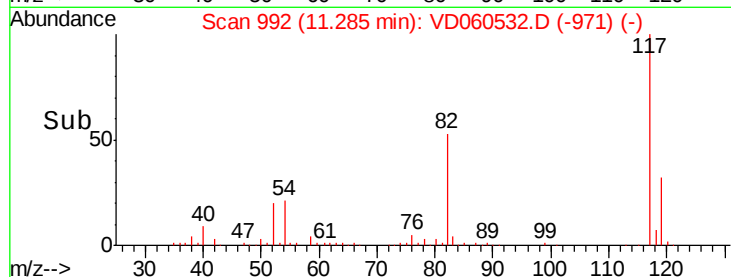
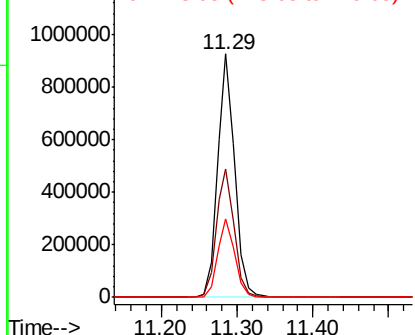
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

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

Tot Ion:117 Resp: 1473250
Ion Ratio Lower Upper
117 100
82 53.0 45.2 67.8
119 32.1 26.1 39.1

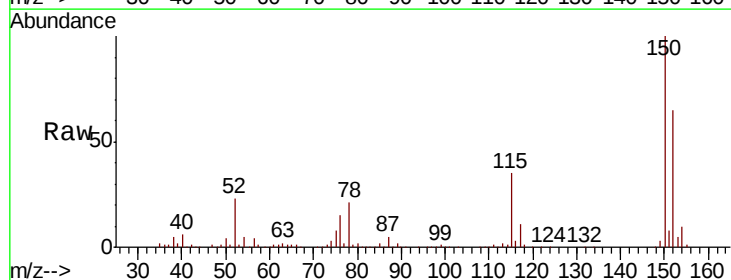


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

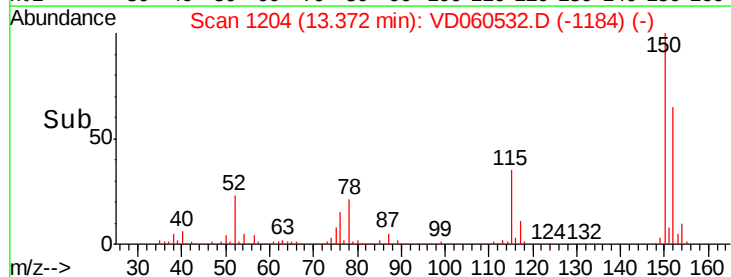
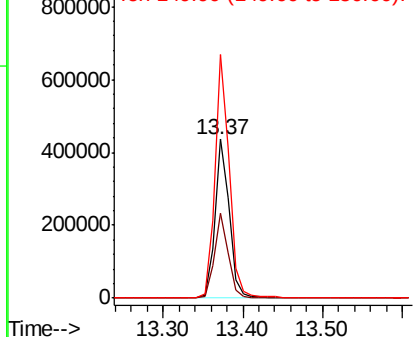


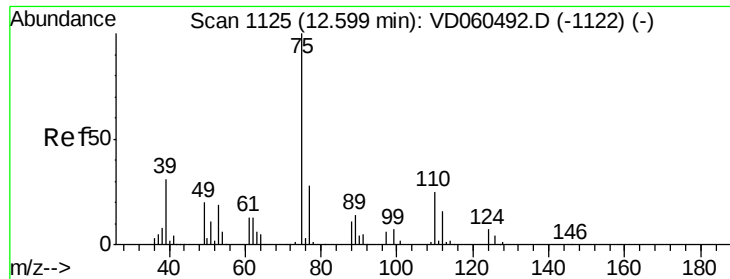
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060532.D
Acq: 11 Dec 2018 13:38

Tgt Ion:152 Resp: 551383
Ion Ratio Lower Upper
152 100
115 53.0 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

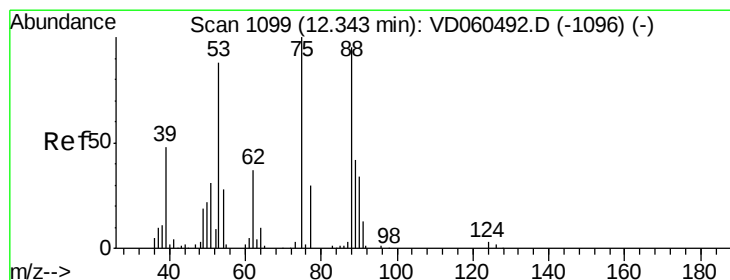
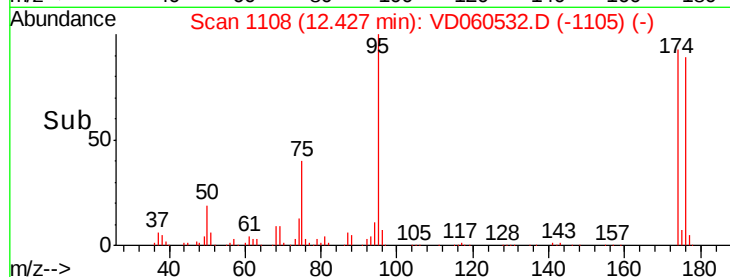
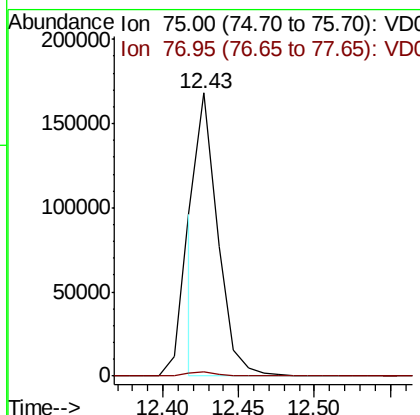
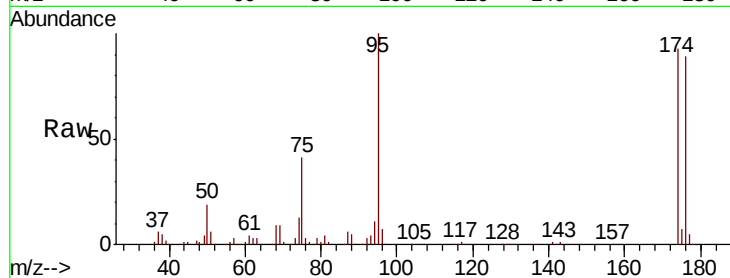




#76
 1,2,3-Trichloropropane
 Concen: 25.451 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.17 min
 Lab File: VD060532.D
 Acq: 11 Dec 2018 13:38

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

Tot Ion: 75 Resp: 159003
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.037 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060532.D
 Acq: 11 Dec 2018 13:38

Tgt Ion: 75 Resp: 223099
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 33.6 50.4#

