

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060536.D
 Acq On : 11 Dec 2018 15:31
 Operator : VA/AP
 Sample : J6193-09
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 12 03:13:09 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	1053953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1583815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1145197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	383103	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	412815	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
35) Dibromofluoromethane	6.33	113	433779	37.29	ug/l	0.00
Spiked Amount			Recovery	=	74.58%	
50) Toluene-d8	9.46	98	1207275	35.86	ug/l	0.00
Spiked Amount			Recovery	=	71.72%	
62) 4-Bromofluorobenzene	12.43	95	374007	31.05	ug/l	0.00
Spiked Amount			Recovery	=	62.10%	

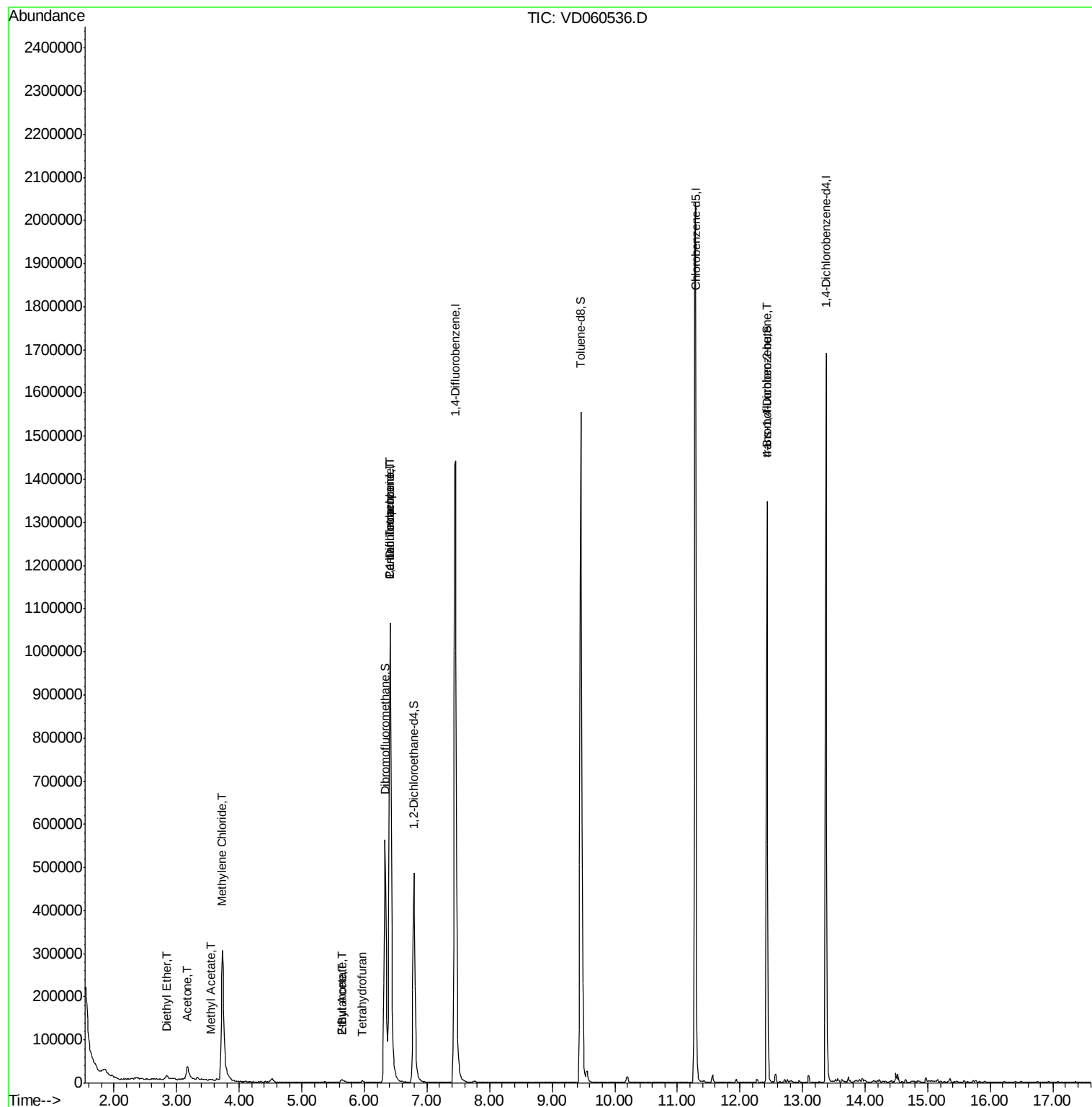
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.84	74	3704	2.149	ug/l	70
16) Acetone	3.17	43	73525	61.402	ug/l #	90
18) Methyl Acetate	3.56	43	3628	1.275	ug/l #	64
20) Methylene Chloride	3.73	84	195428	14.609	ug/l	97
25) 2-Butanone	5.63	43	8928	3.790	ug/l #	59
29) Tetrahydrofuran	5.97	42	1999	1.498	ug/l #	40
31) Cyclohexane	6.41	56	20959	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	77348	4.996	ug/l #	47
37) Ethyl Acetate	5.63	43	8928	1.330	ug/l #	68
38) Carbon Tetrachloride	6.41	117	83445	6.004	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.43	75	153930	127.145	ug/l #	14
89) n-Butylbenzene	13.64	91	1562	Below Cal		76

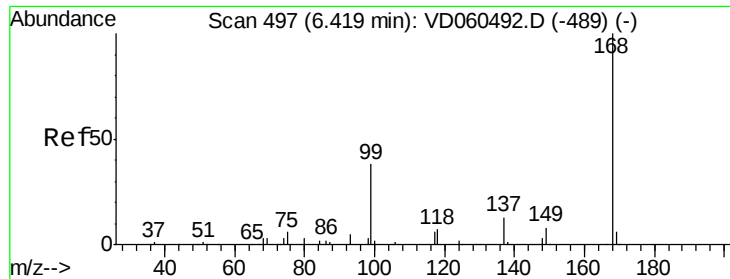
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.42 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

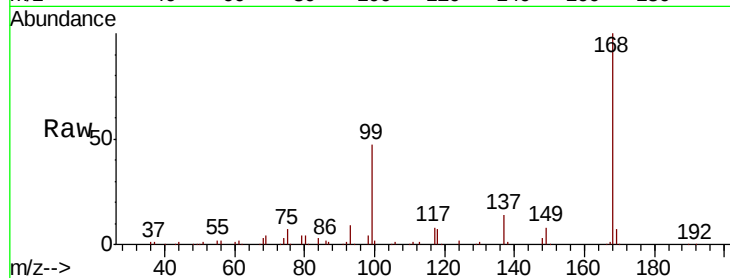
CL-01-121018-E

Tot Ion:168 Resp: 1053953

Ion Ratio Lower Upper

168 100

99 47.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

400000

300000

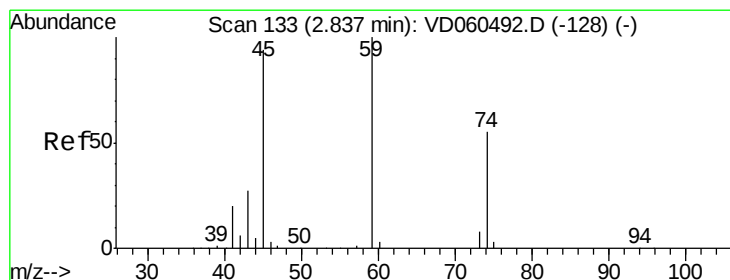
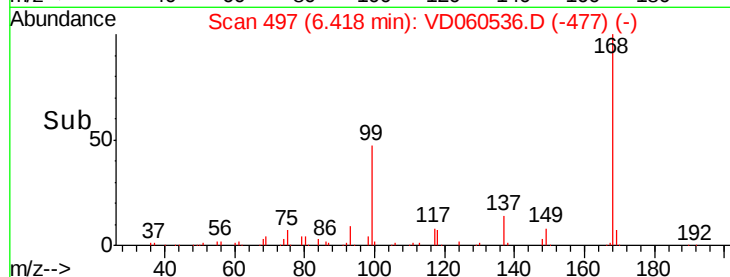
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 2.149 ug/l

RT: 2.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060536.D

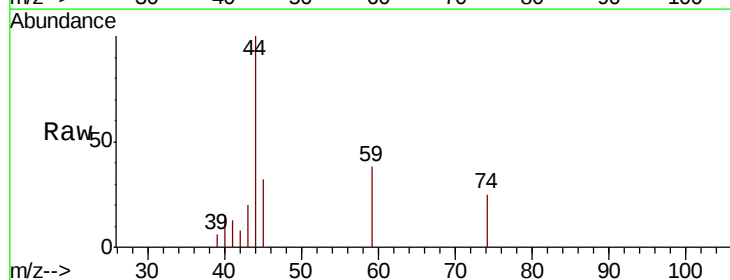
Acq: 11 Dec 2018 15:31

Tgt Ion: 74 Resp: 3704

Ion Ratio Lower Upper

74 100

45 131.1 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

1500

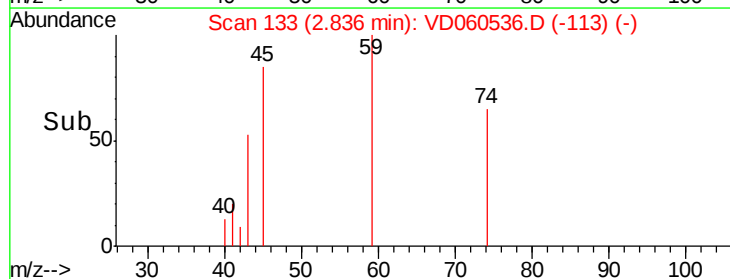
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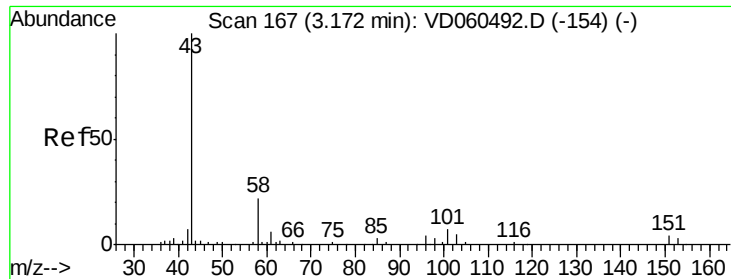
500

0

Time-->

2.80 2.85 2.90





#16

Acetone

Concen: 61.402 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

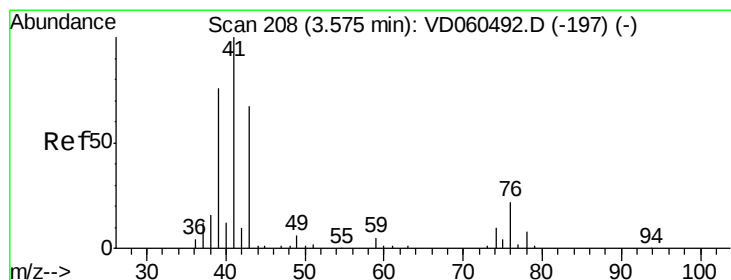
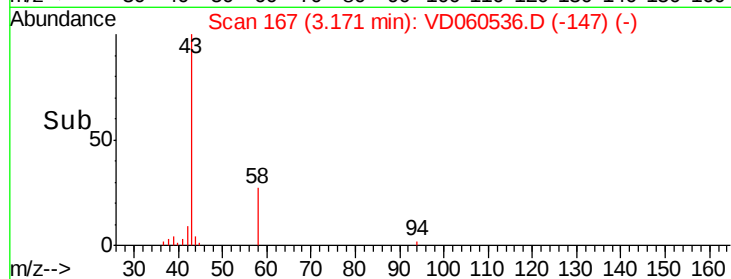
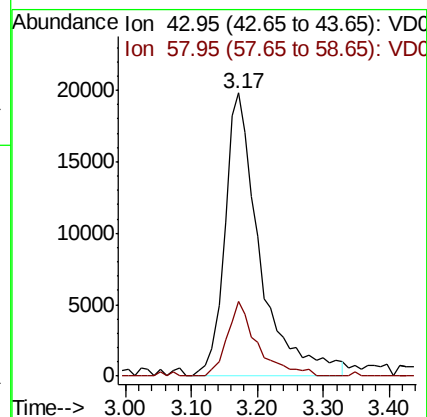
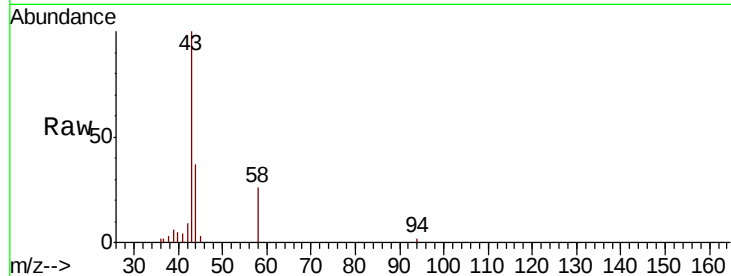
CL-01-121018-E

Tot Ion: 43 Resp: 73525

Ion Ratio Lower Upper

43 100

58 26.3 17.3 25.9#



#18

Methyl Acetate

Concen: 1.275 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.01 min

Lab File: VD060536.D

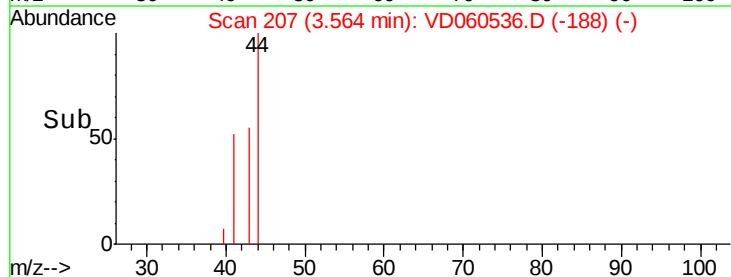
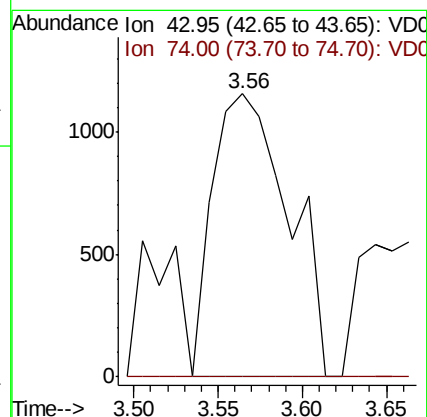
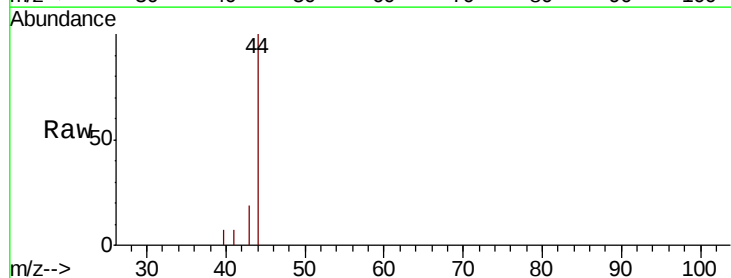
Acq: 11 Dec 2018 15:31

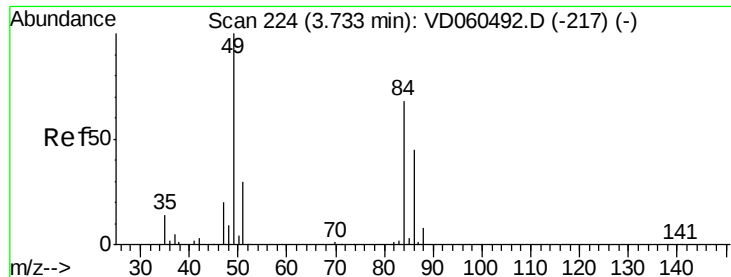
Tgt Ion: 43 Resp: 3628

Ion Ratio Lower Upper

43 100

74 0.0 12.0 18.0#

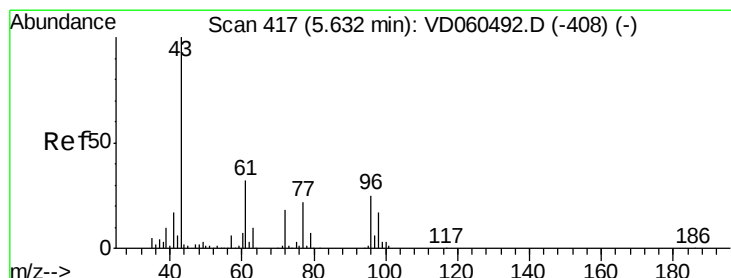
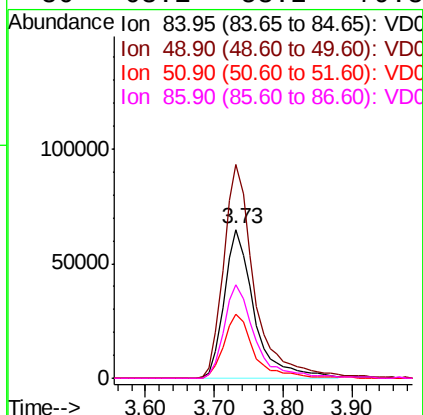
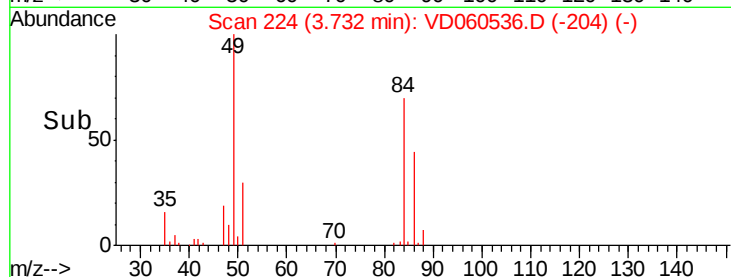
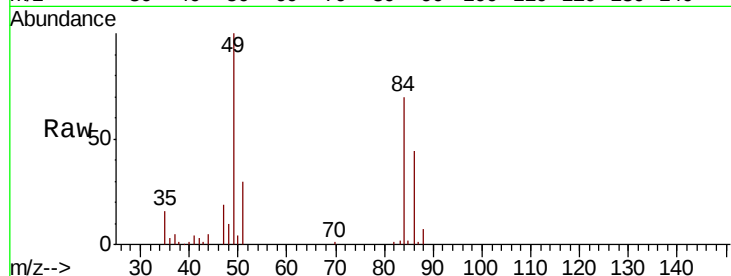




#20
Methvlene Chloride
Concen: 14.609 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

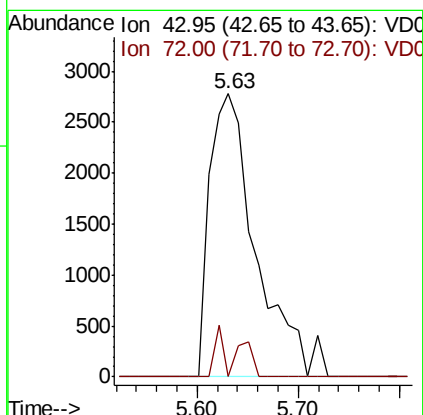
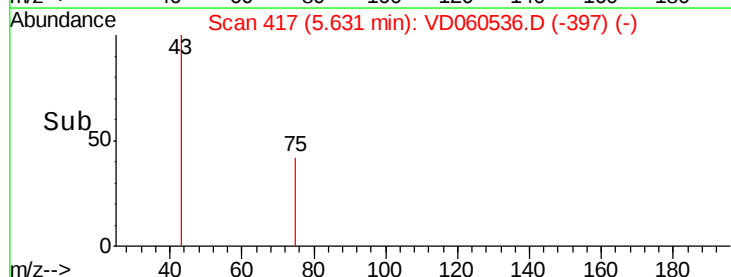
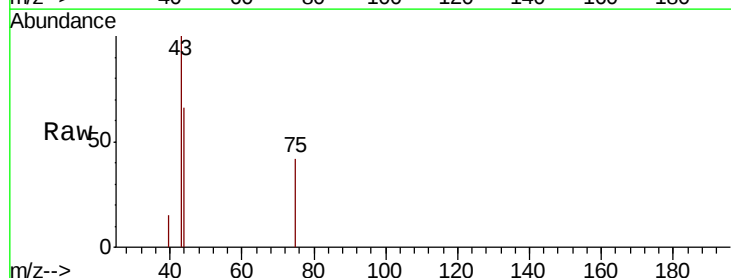
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-E

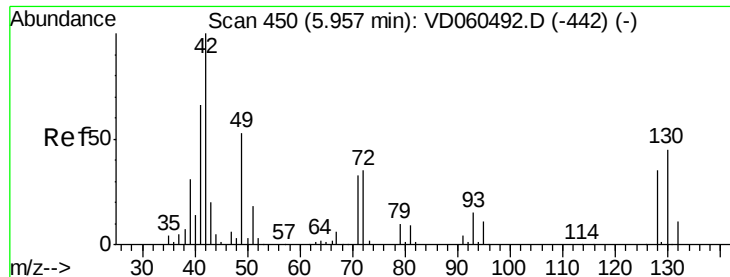
Tot Ion: 84 Resp: 195428
Ion Ratio Lower Upper
84 100
49 143.3 117.2 175.8
51 43.0 35.3 52.9
86 63.1 53.2 79.8



#25
2-Butanone
Concen: 3.790 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.00 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

Tgt Ion: 43 Resp: 8928
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#





#29

Tetrahydrofuran

Concen: 1.498 ug/l

RT: 5.97 min Scan# 451

Delta R.T. 0.01 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-E

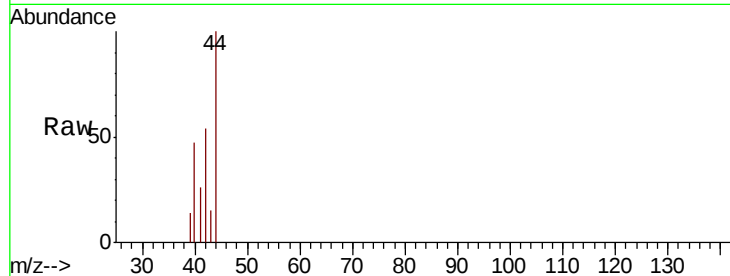
Tot Ion: 42 Resp: 1999

Ion Ratio Lower Upper

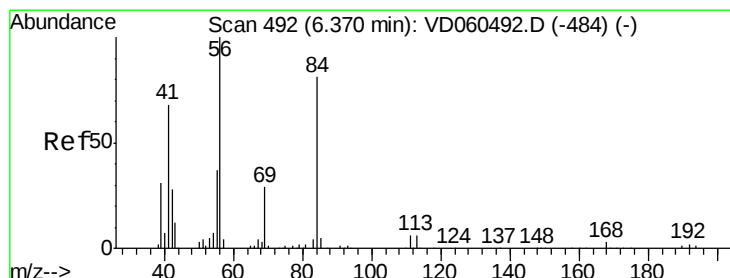
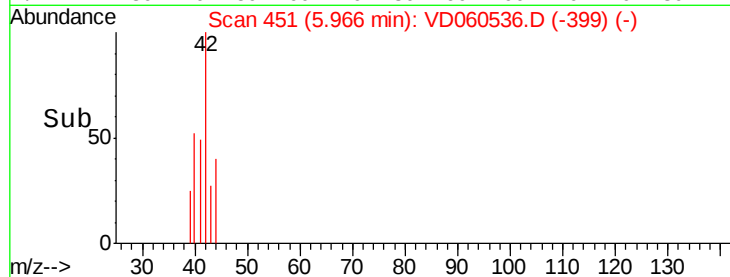
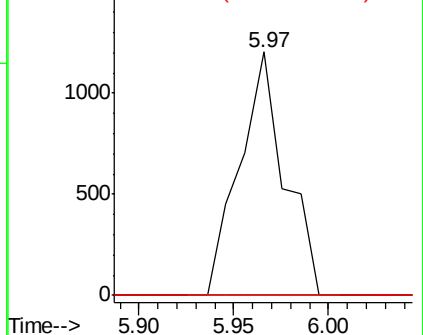
42 100

72 0.0 28.0 42.0#

71 0.0 27.2 40.8#



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: Below Cal

RT: 6.41 min Scan# 496

Delta R.T. 0.04 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

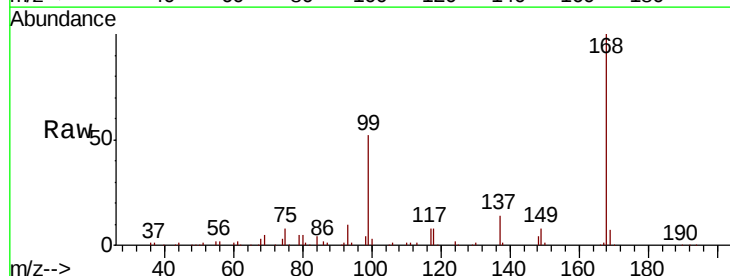
Tgt Ion: 56 Resp: 20959

Ion Ratio Lower Upper

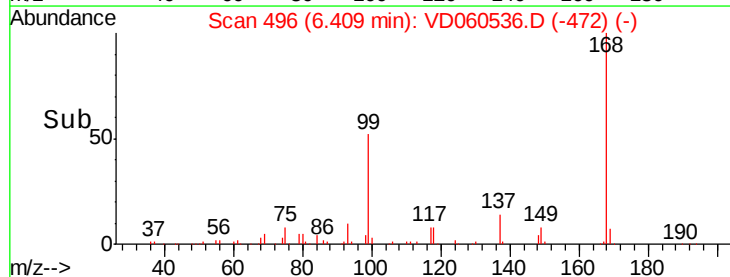
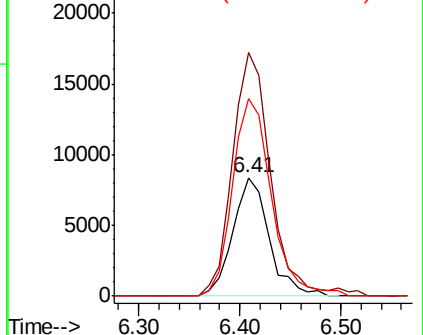
56 100

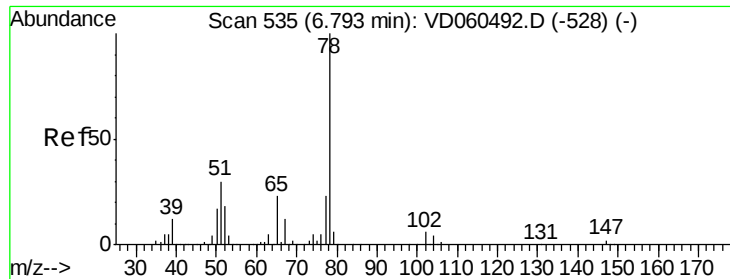
69 205.4 22.8 34.2#

84 167.1 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: VD060536.D

Acq: 11 Dec 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

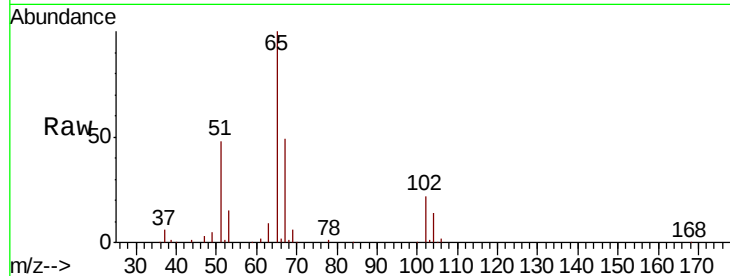
CL-01-121018-E

Tot Ion: 65 Resp: 412815

Ion Ratio Lower Upper

65 100

67 49.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

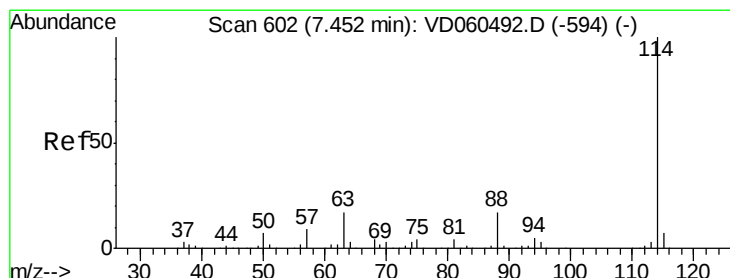
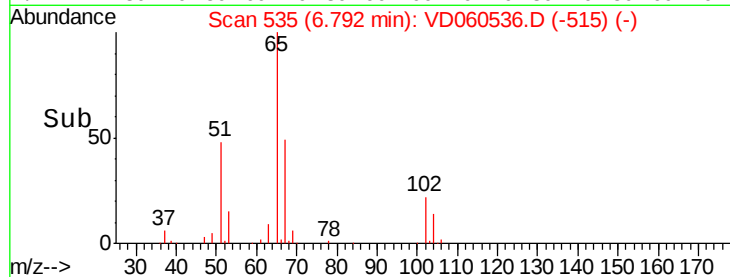
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.00 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

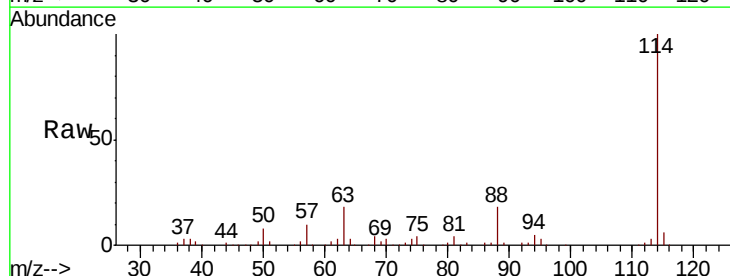
Tgt Ion: 114 Resp: 1583815

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.2

88 18.2 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

800000

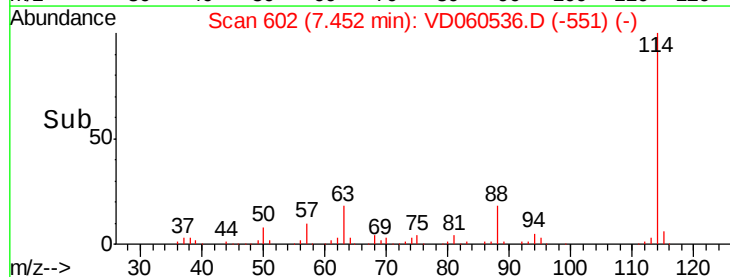
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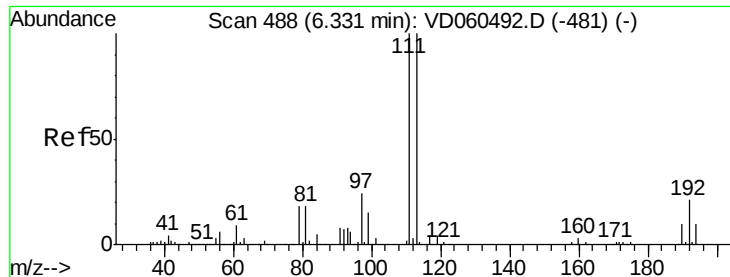
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200000

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Time-->

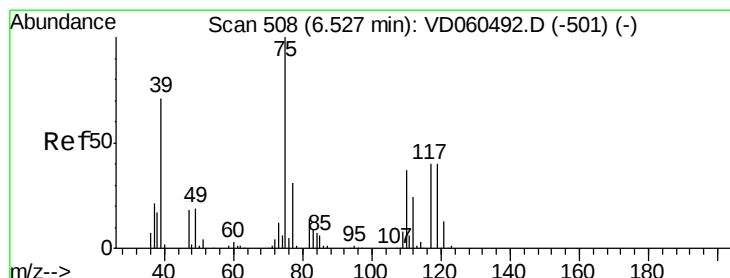
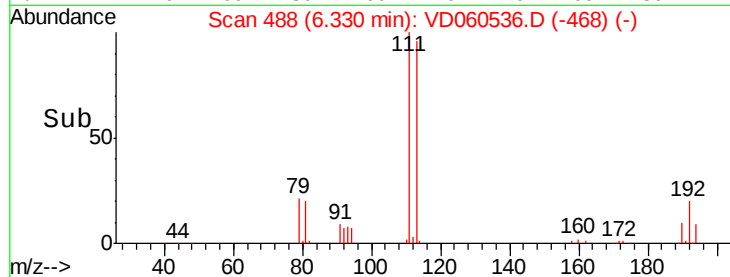
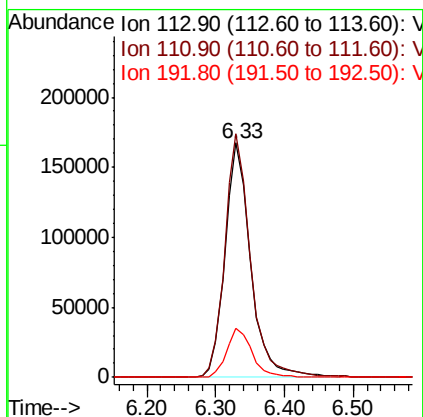
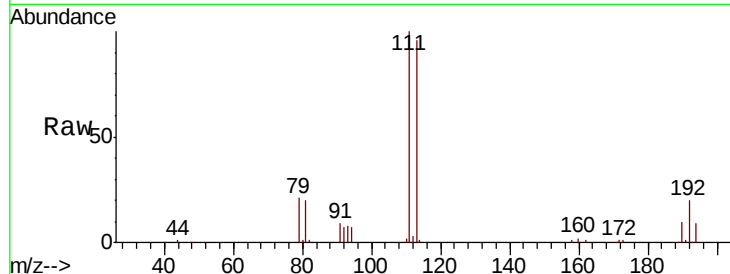




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VD060536.D
 Acq: 11 Dec 2018 15:31

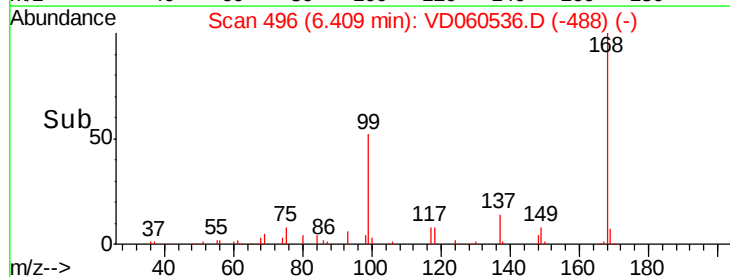
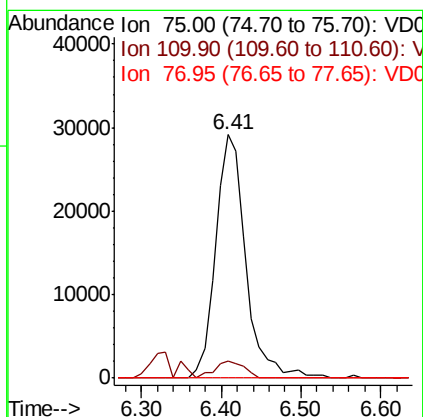
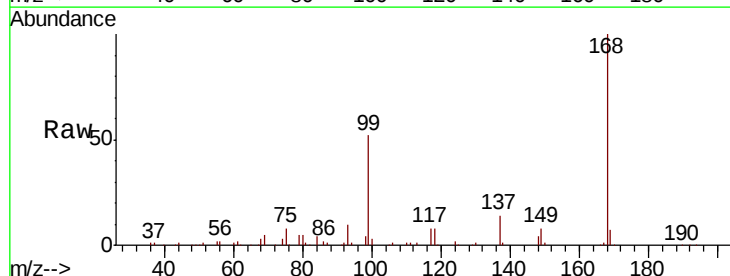
Instrument :
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 CL-01-121018-E

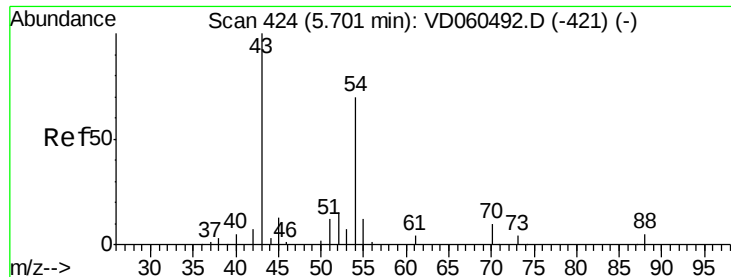
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.2	120.4
192	20.8	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060536.D
 Acq: 11 Dec 2018 15:31

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

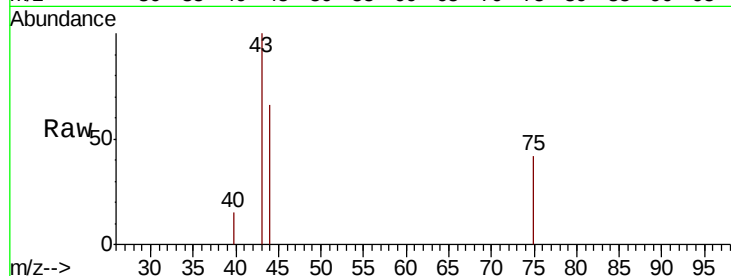




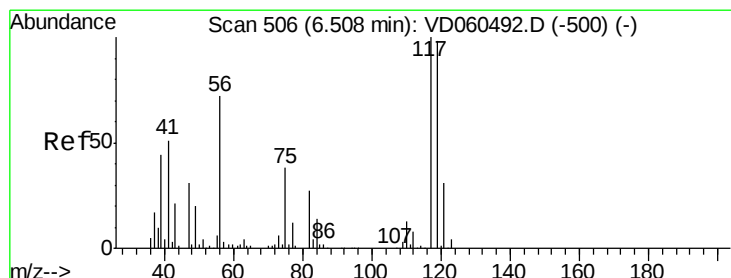
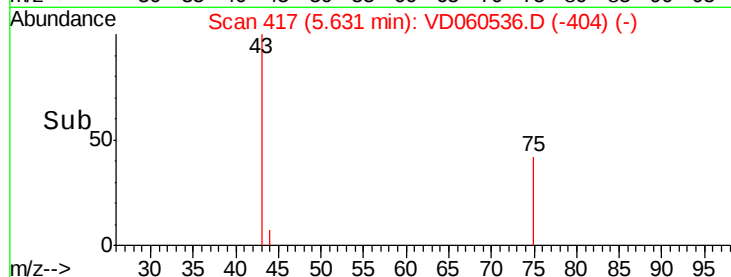
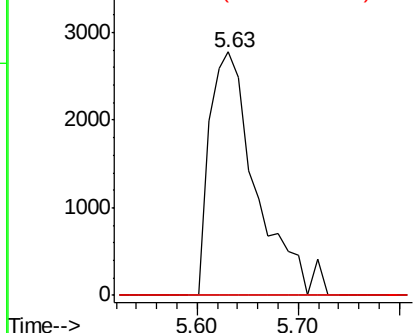
#37
Ethyl Acetate
Concen: 1.330 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.07 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

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

Tot Ion: 43 Resp: 8928
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

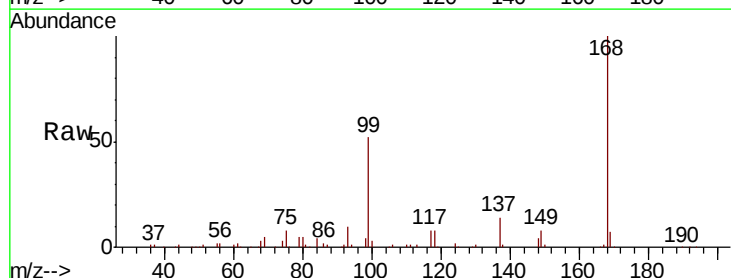


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

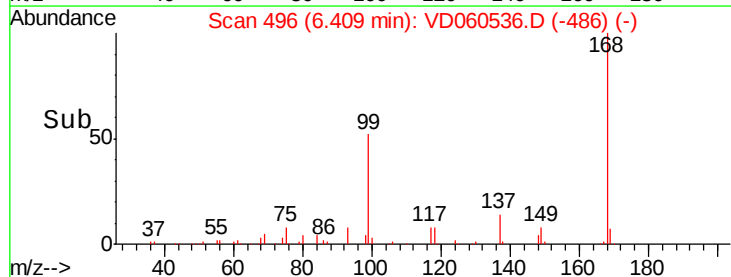
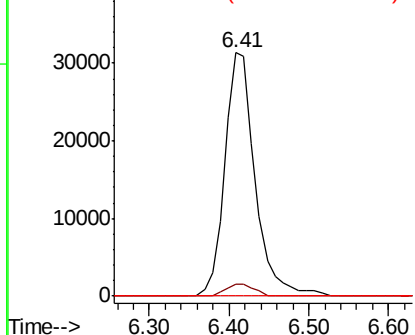


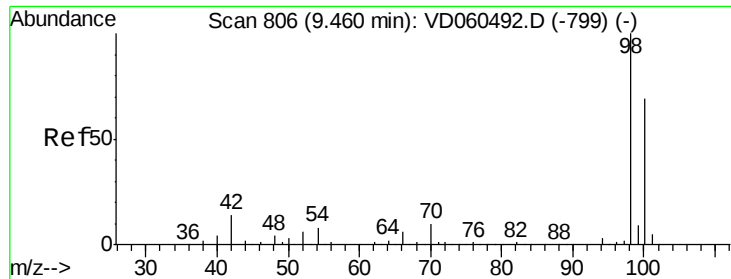
#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

Tgt Ion: 117 Resp: 83445
Ion Ratio Lower Upper
117 100
119 4.8 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

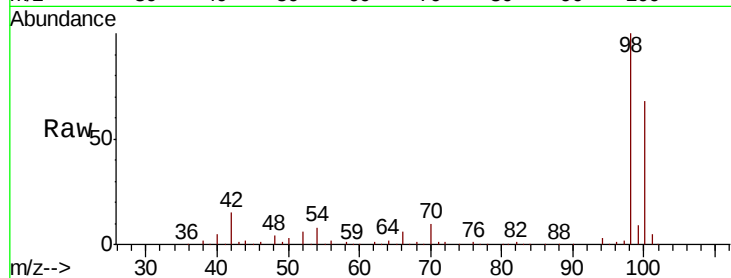




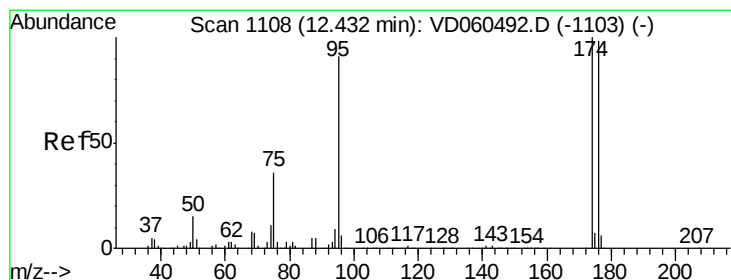
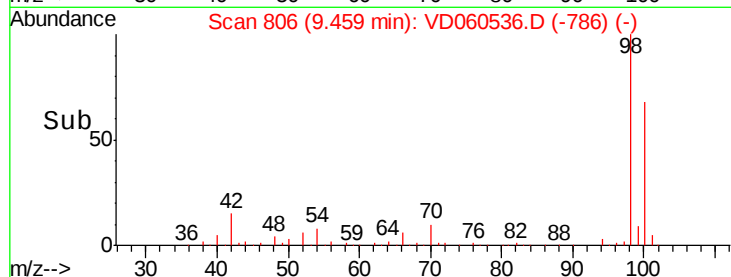
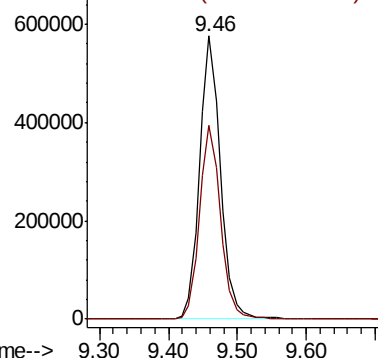
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

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

Tot Ion: 98 Resp: 1207275
Ion Ratio Lower Upper
98 100
100 68.4 55.7 83.5

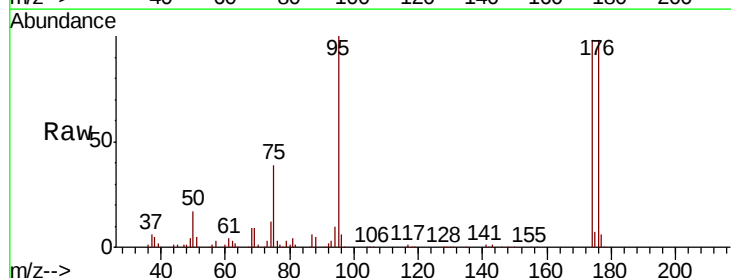


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

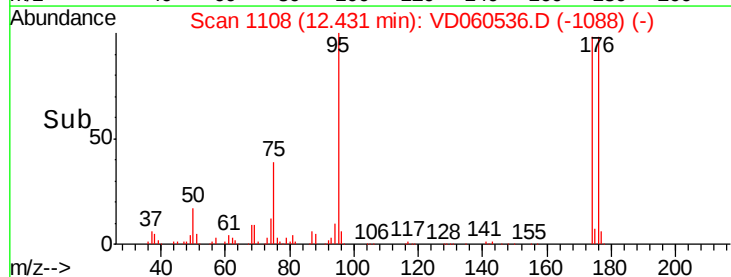
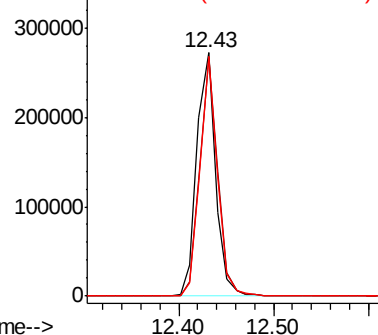


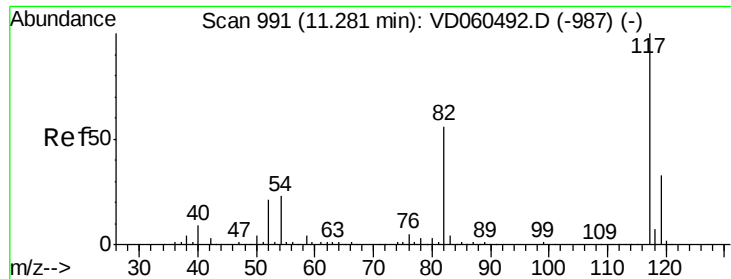
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

Tgt Ion: 95 Resp: 374007
Ion Ratio Lower Upper
95 100
174 98.0 0.0 219.4
176 98.3 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

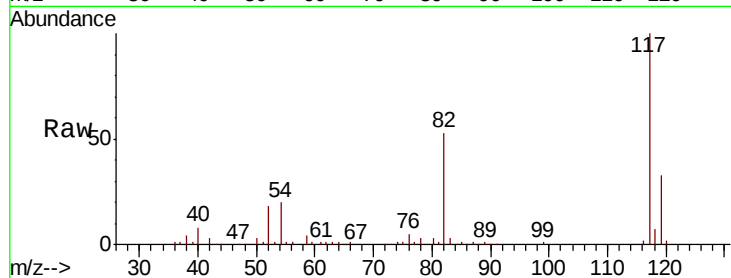




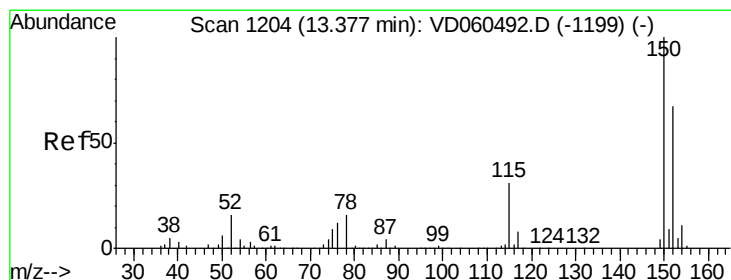
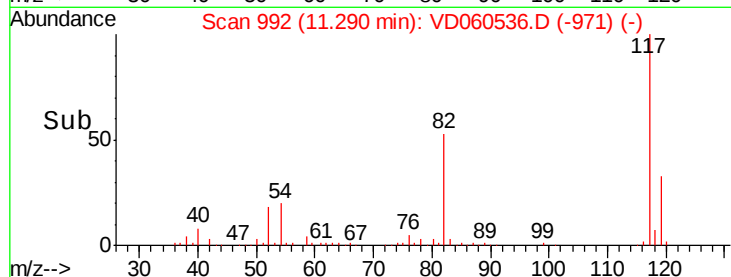
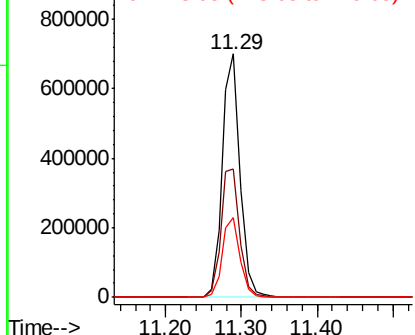
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

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

Tot Ion:117 Resp: 1145197
Ion Ratio Lower Upper
117 100
82 52.9 45.2 67.8
119 32.5 26.1 39.1

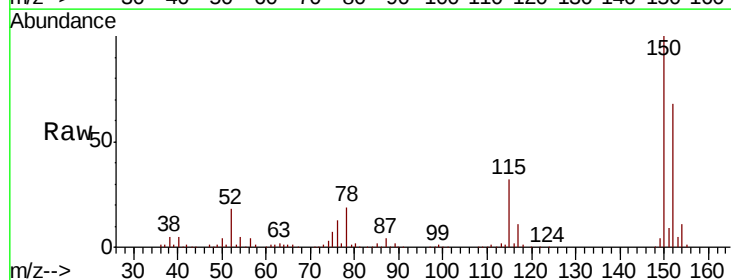


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

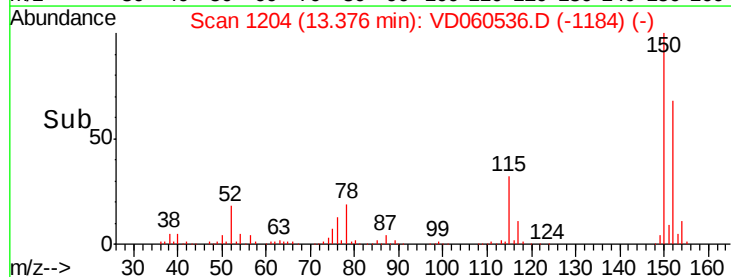
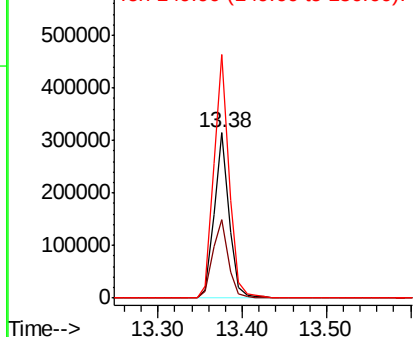


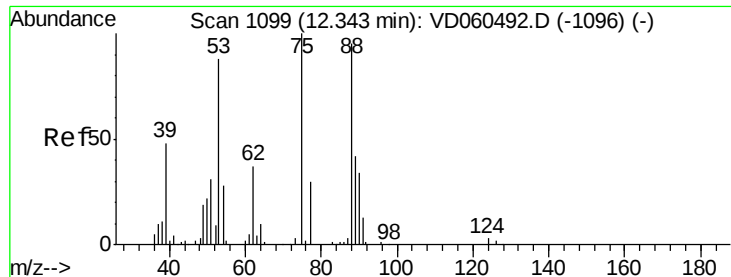
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060536.D
Acq: 11 Dec 2018 15:31

Tgt Ion:152 Resp: 383103
Ion Ratio Lower Upper
152 100
115 47.3 24.6 74.0
150 147.3 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: 127.145 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060536.D

Acq: 11 Dec 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-E

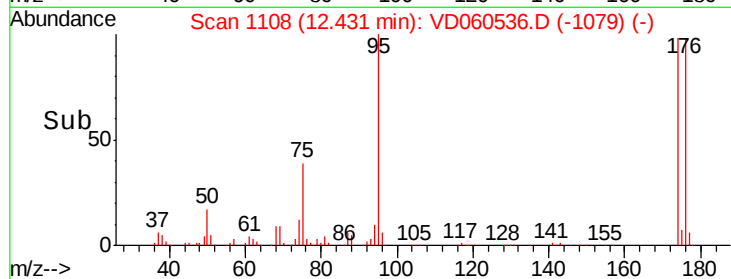
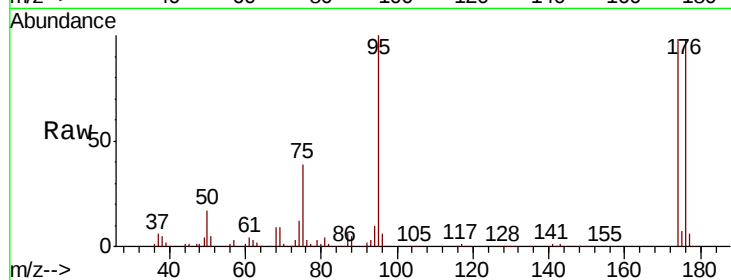
Tot Ion: 75 Resp: 153930

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

