

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060530.D
 Acq On : 11 Dec 2018 12:42
 Operator : VA/AP
 Sample : J6195-05
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-121018-A

Quant Time: Dec 12 03:11:59 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	1706898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2421402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1883022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	801634	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	494540	40.88	ug/l	0.00
Spiked Amount			Recovery	=	81.76%	
35) Dibromofluoromethane	6.33	113	698016	39.25	ug/l	0.00
Spiked Amount			Recovery	=	78.50%	
50) Toluene-d8	9.46	98	1830386	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	
62) 4-Bromofluorobenzene	12.43	95	641924	34.86	ug/l	0.00
Spiked Amount			Recovery	=	69.72%	

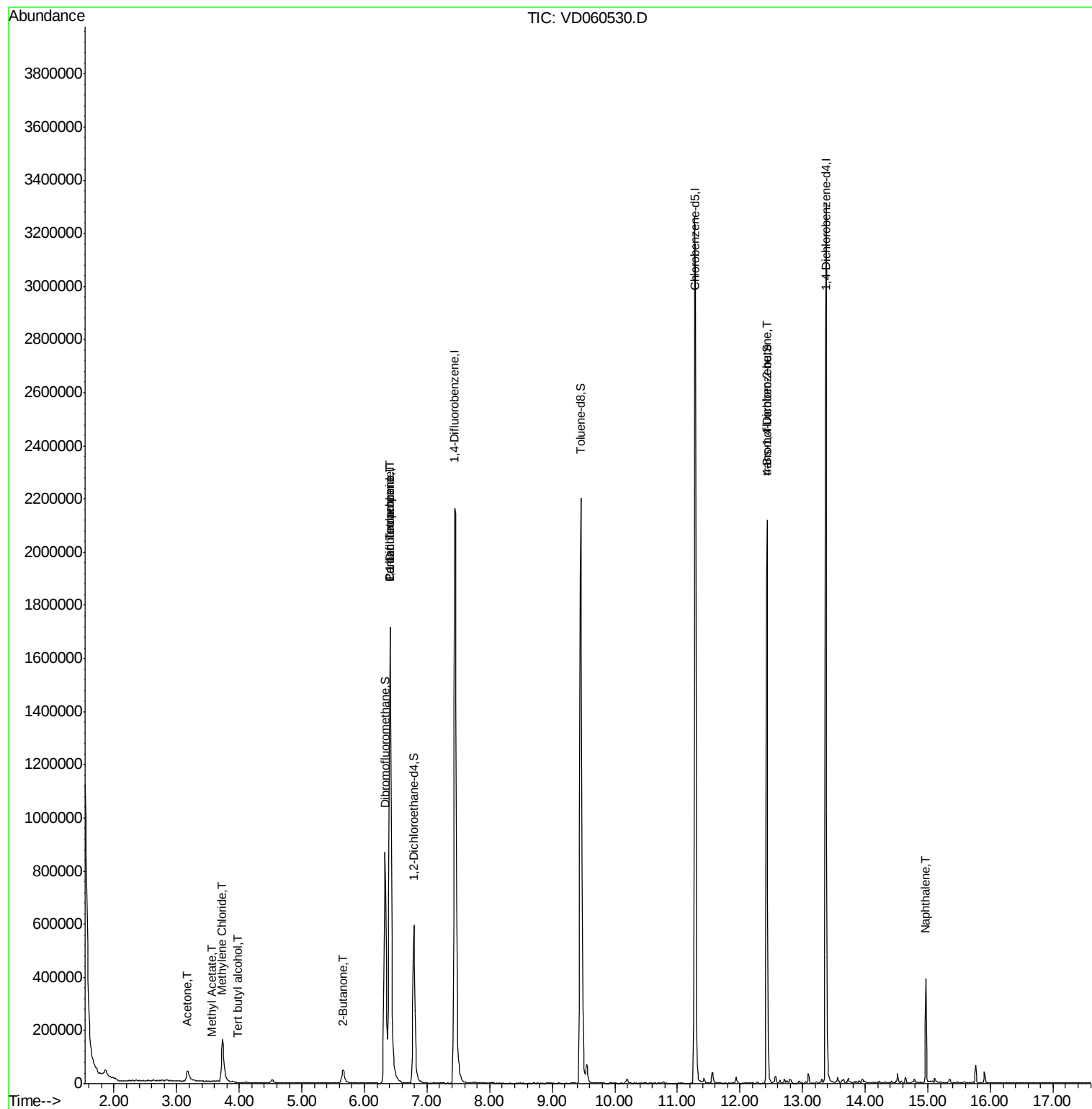
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	669	Below Cal	#	41
11) Tert butyl alcohol	3.98	59	1863	3.790	ug/l #	73
16) Acetone	3.17	43	97109	50.075	ug/l	96
18) Methyl Acetate	3.56	43	5161	1.120	ug/l #	64
20) Methylene Chloride	3.73	84	101378	1.341	ug/l	94
25) 2-Butanone	5.64	43	6136	1.608	ug/l #	59
31) Cyclohexane	6.41	56	35377	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	129681	5.479	ug/l #	47
38) Carbon Tetrachloride	6.41	117	135804	6.391	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.42	75	262363	103.566	ug/l #	14
89) n-Butylbenzene	13.65	91	5123	Below Cal		81
95) Naphthalene	14.97	128	224395	10.936	ug/l	99

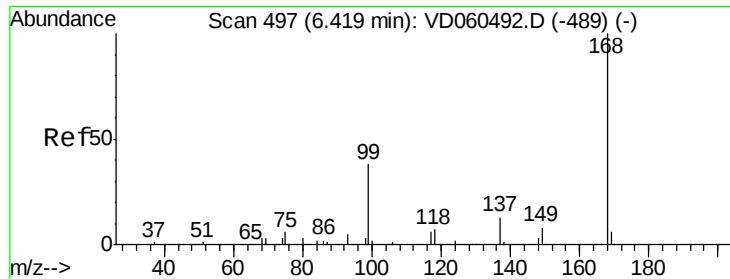
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

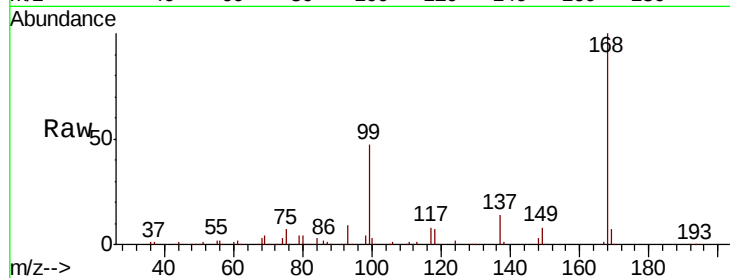
OR-02-121018-A

Tot Ion:168 Resp: 1706898

Ion Ratio Lower Upper

168 100

99 46.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

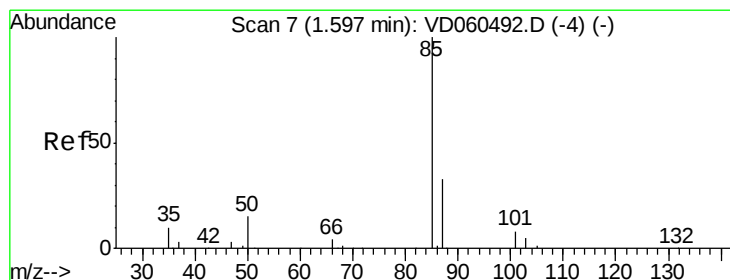
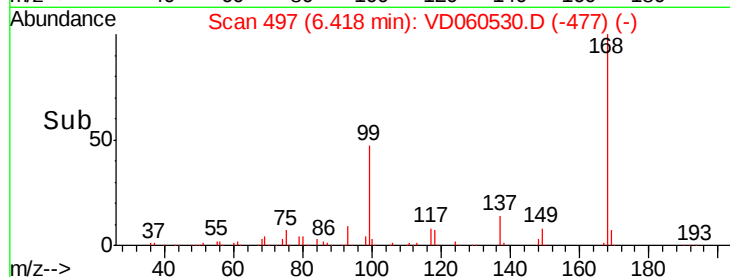
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060530.D

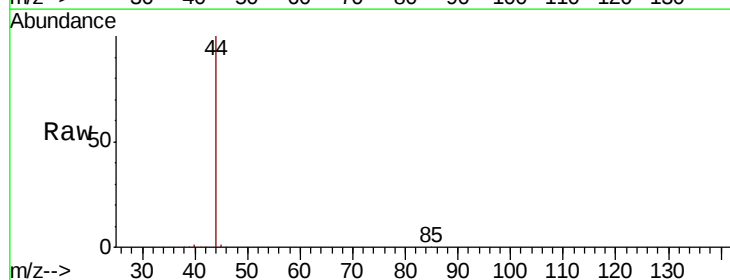
Acq: 11 Dec 2018 12:42

Tgt Ion: 85 Resp: 669

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

1.62

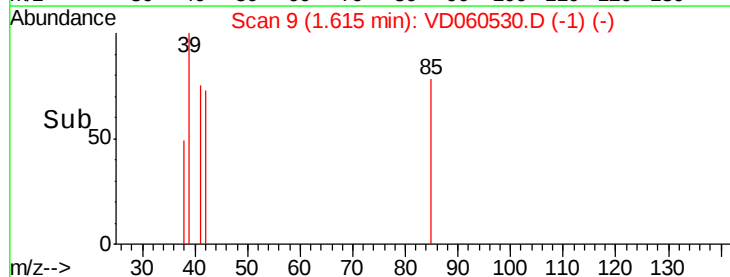
600

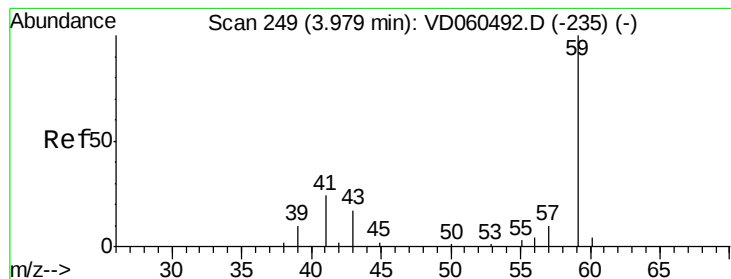
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 3.790 ug/l

RT: 3.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

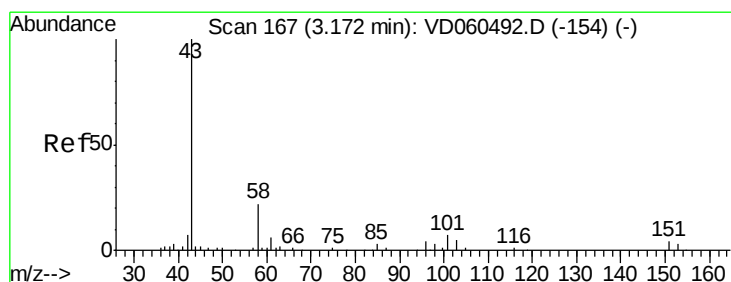
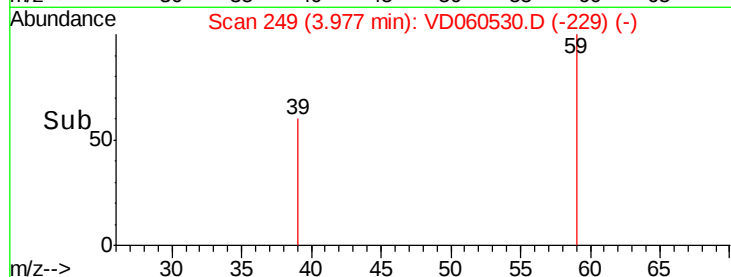
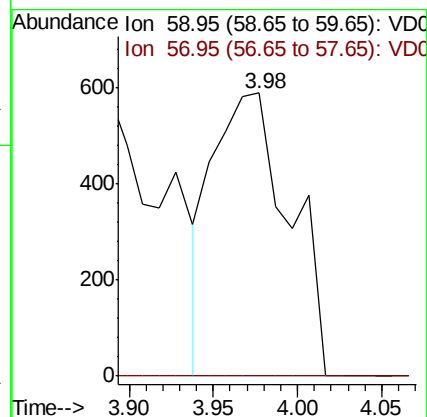
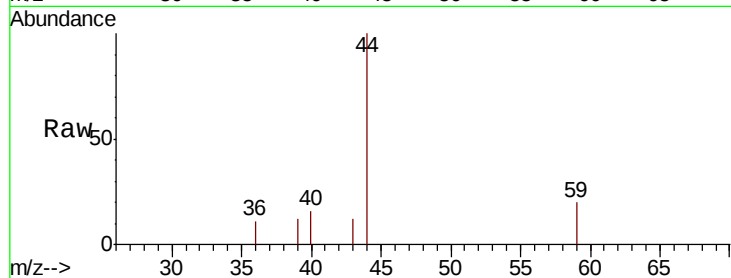
OR-02-121018-A

Tot Ion: 59 Resp: 1863

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 50.075 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060530.D

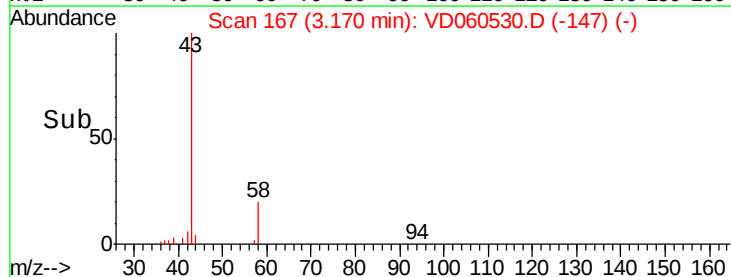
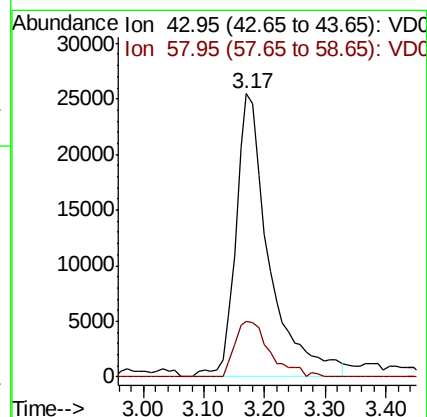
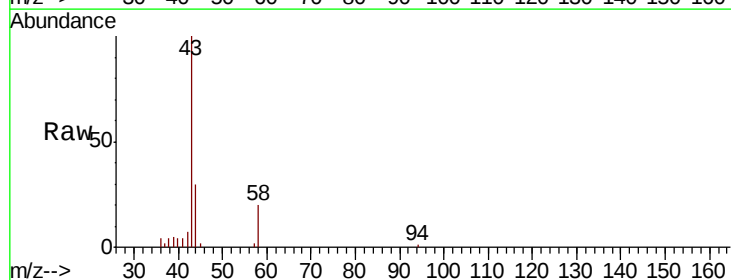
Acq: 11 Dec 2018 12:42

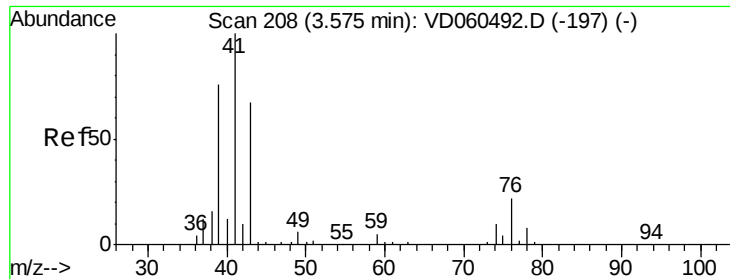
Tgt Ion: 43 Resp: 97109

Ion Ratio Lower Upper

43 100

58 19.8 17.3 25.9

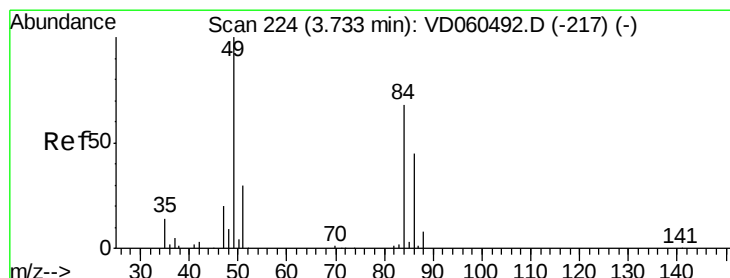
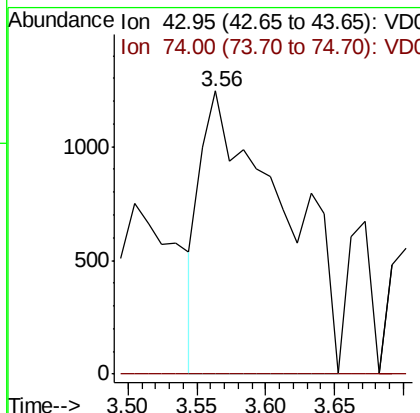
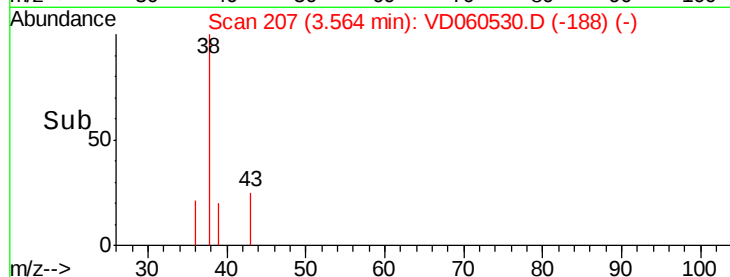
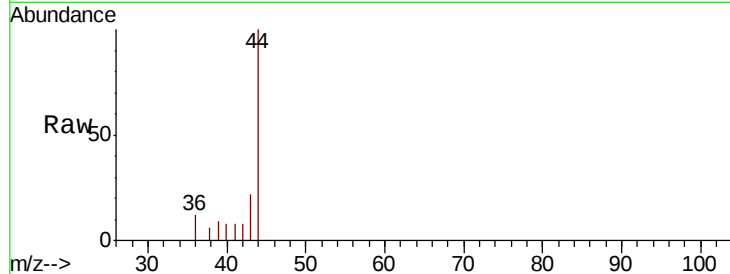




#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060530.D
Acq: 11 Dec 2018 12:42

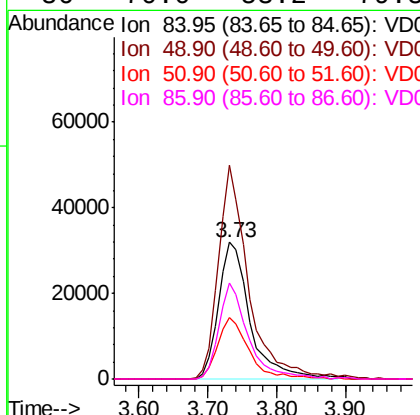
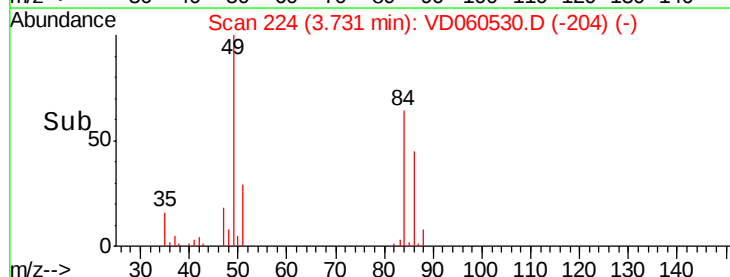
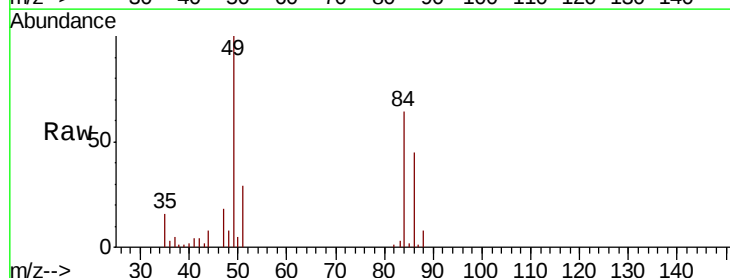
Instrument :
MSVOA_D
ClientSampleId :
OR-02-121018-A

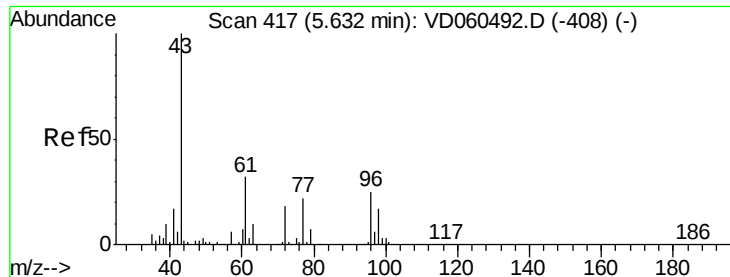
Tot Ion: 43 Resp: 5161
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 1.341 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060530.D
Acq: 11 Dec 2018 12:42

Tgt Ion: 84 Resp: 101378
Ion Ratio Lower Upper
84 100
49 156.6 117.2 175.8
51 45.1 35.3 52.9
86 70.0 53.2 79.8





#25

2-Butanone

Concen: 1.608 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.01 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

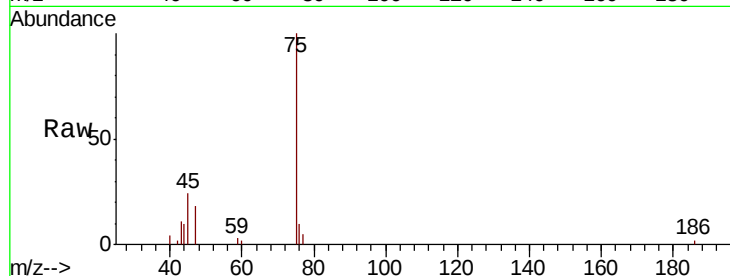
OR-02-121018-A

Tot Ion: 43 Resp: 6136

Ion Ratio Lower Upper

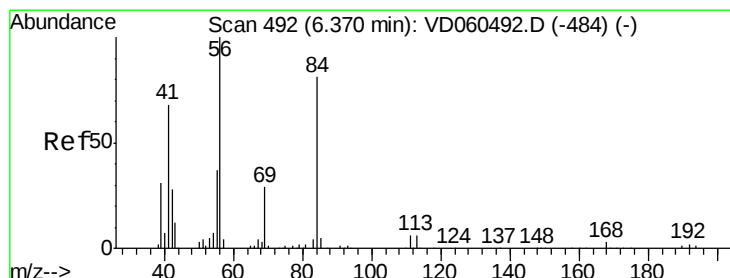
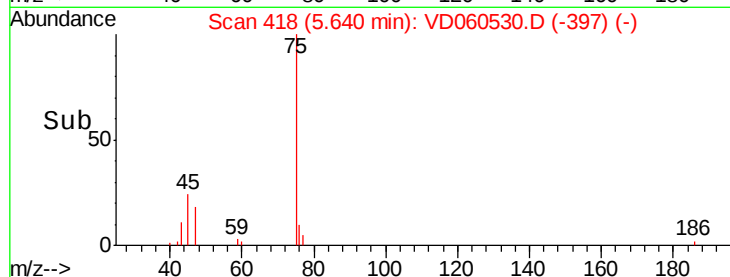
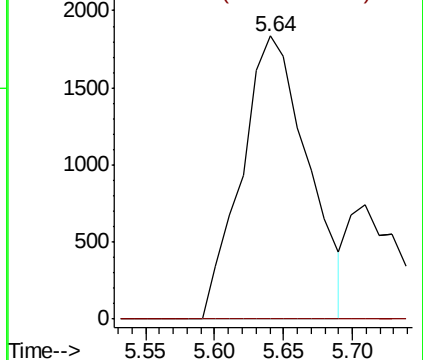
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.41 min Scan# 496

Delta R.T. 0.04 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

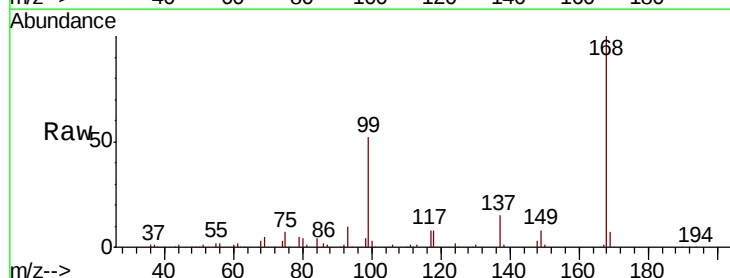
Tgt Ion: 56 Resp: 35377

Ion Ratio Lower Upper

56 100

69 216.9 22.8 34.2#

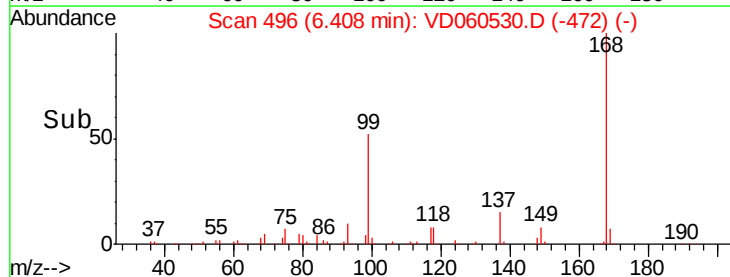
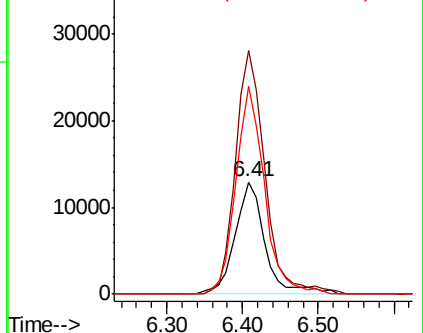
84 184.6 65.1 97.7#

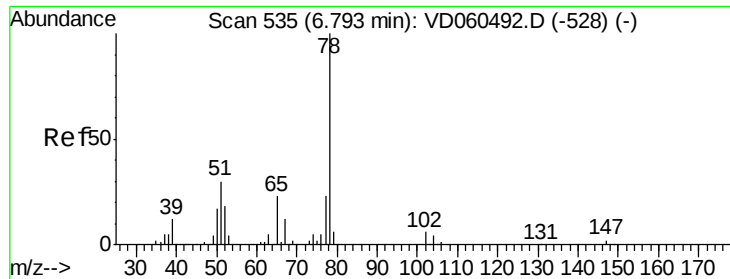


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

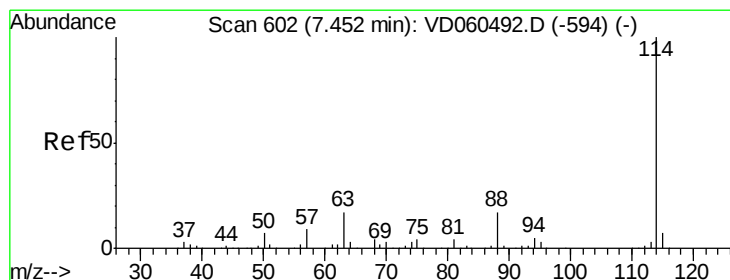
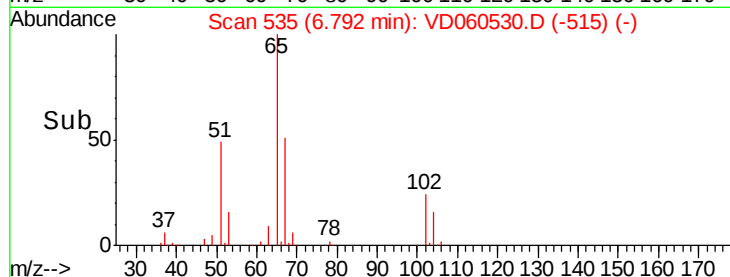
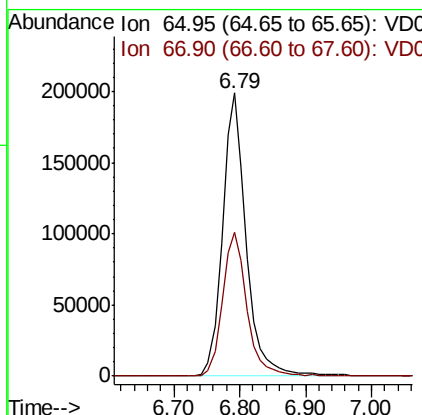
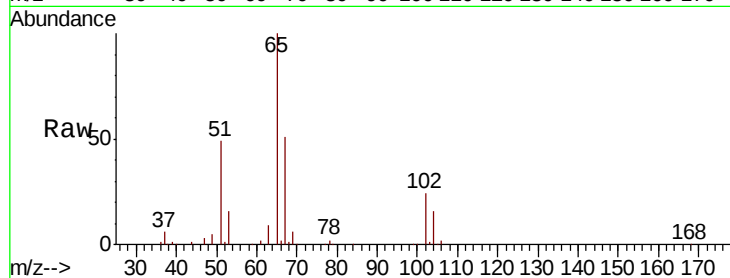




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060530.D
 Acq: 11 Dec 2018 12:42

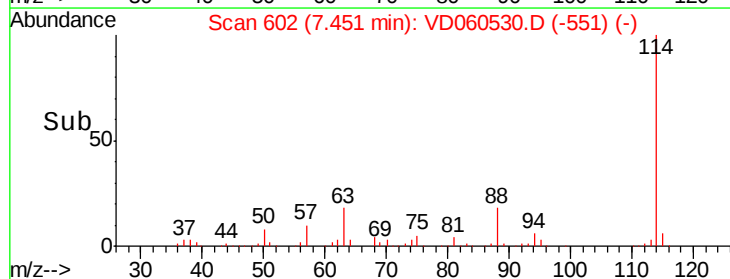
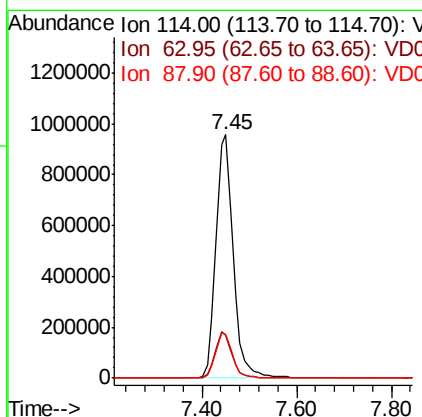
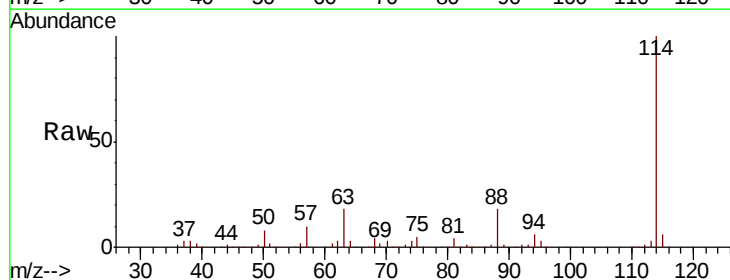
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-121018-A

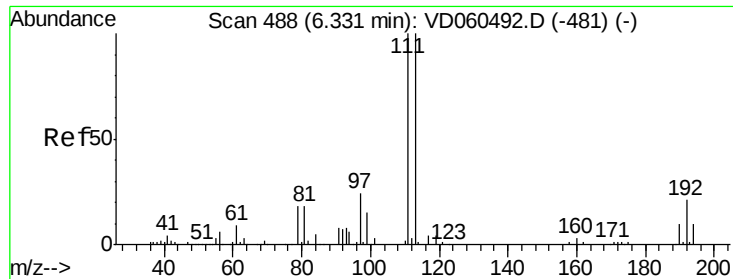
Tot Ion: 65 Resp: 494540
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VD060530.D
 Acq: 11 Dec 2018 12:42

Tgt Ion:114 Resp: 2421402
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.2
 88 18.1 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

OR-02-121018-A

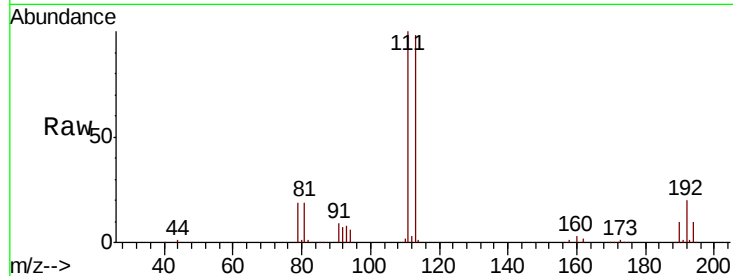
Tot Ion:113 Resp: 698016

Ion Ratio Lower Upper

113 100

111 102.0 80.2 120.4

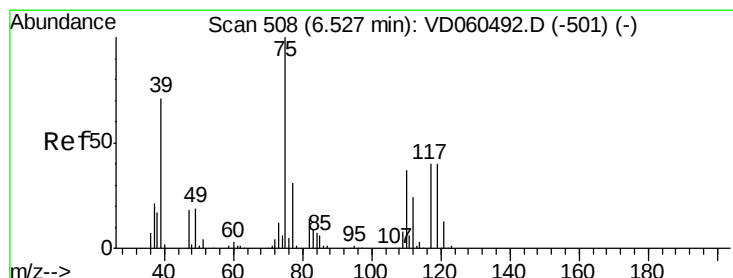
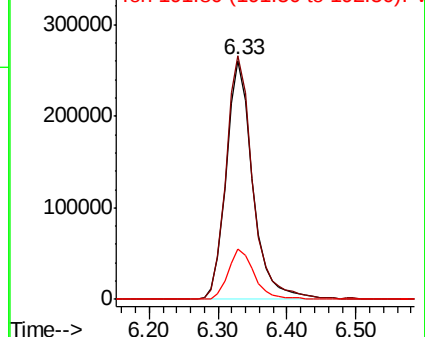
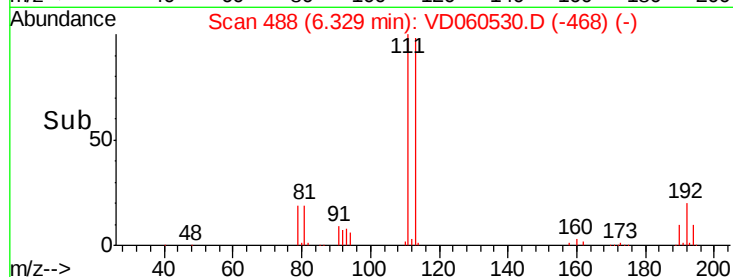
192 20.9 16.6 24.8



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: 5.479 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

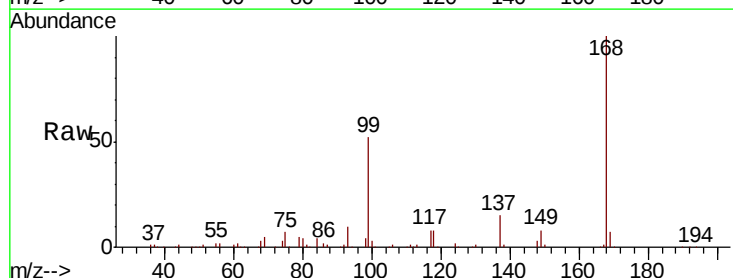
Tgt Ion: 75 Resp: 129681

Ion Ratio Lower Upper

75 100

110 6.3 18.3 54.8#

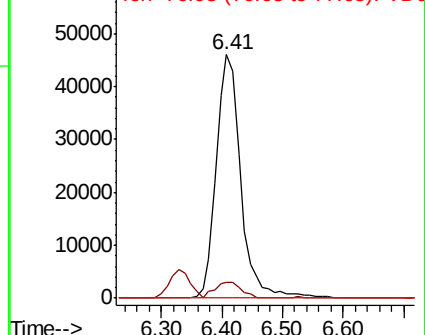
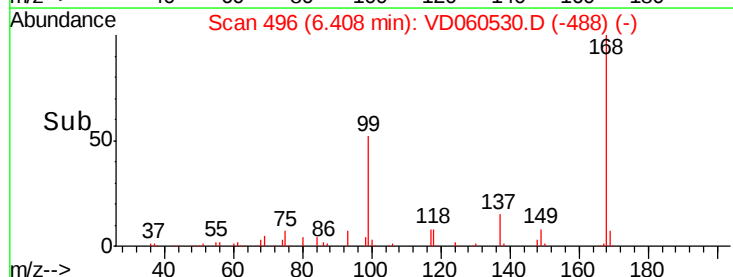
77 0.0 24.6 37.0#

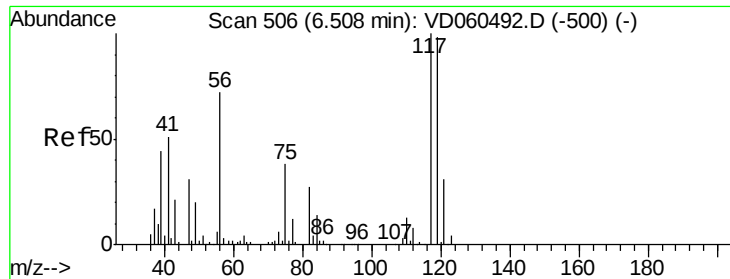


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

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OR-02-121018-A

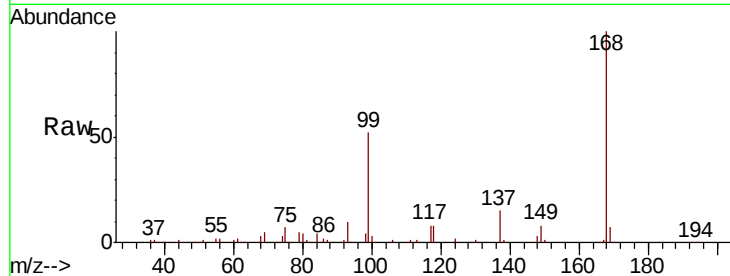
Tot Ion:117 Resp: 135804

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

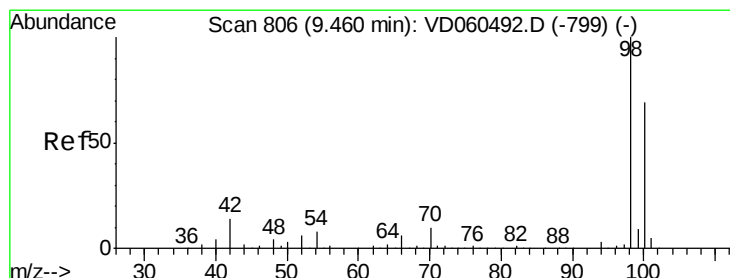
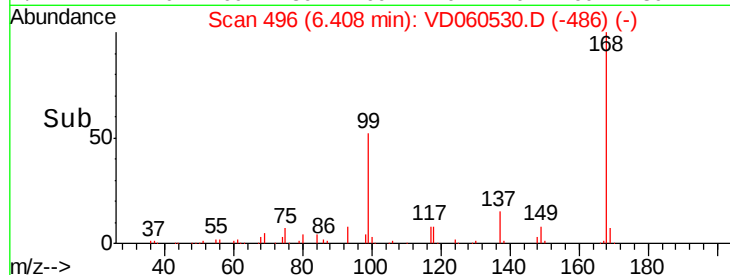
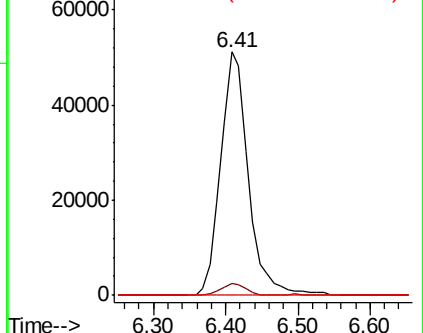
121 0.0 24.4 36.6#



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: VD060530.D

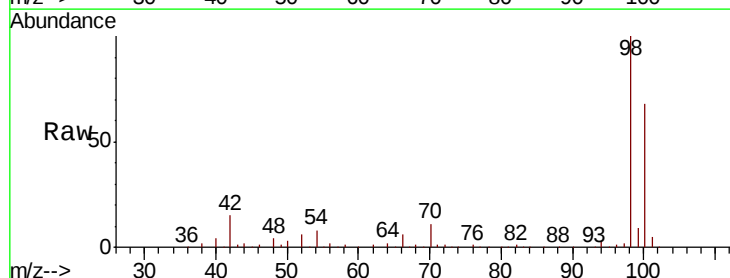
Acq: 11 Dec 2018 12:42

Tgt Ion: 98 Resp: 1830386

Ion Ratio Lower Upper

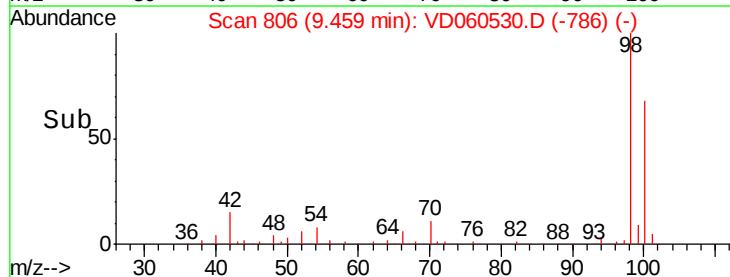
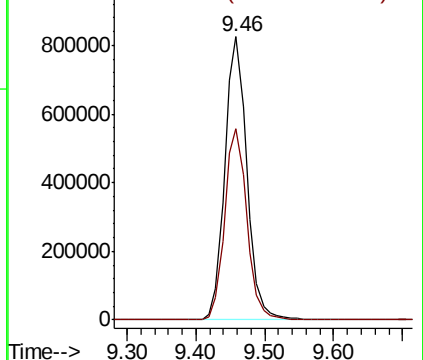
98 100

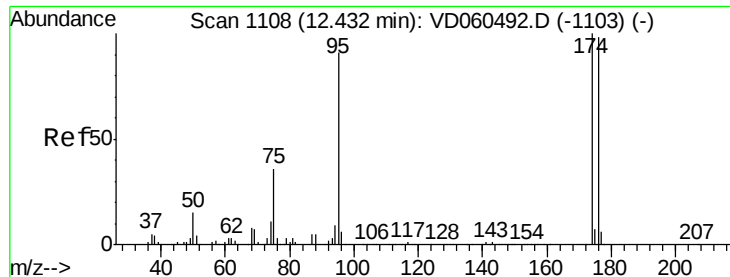
100 67.7 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

OR-02-121018-A

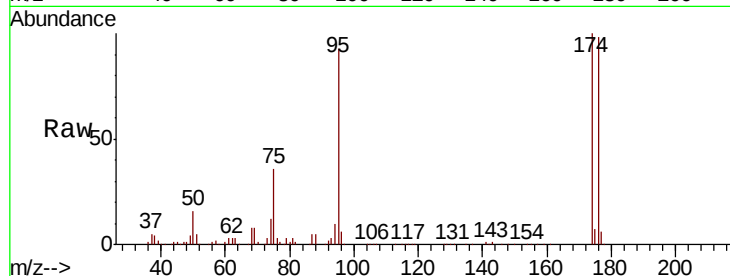
Tot Ion: 95 Resp: 641924

Ion Ratio Lower Upper

95 100

174 107.3 0.0 219.4

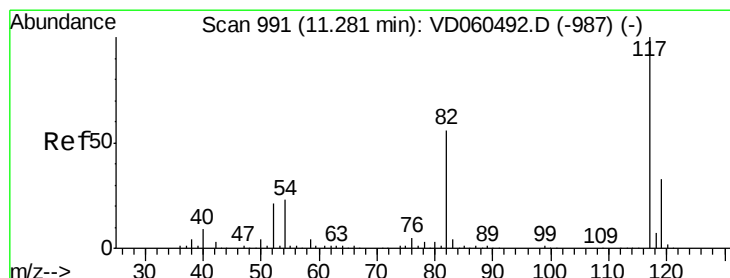
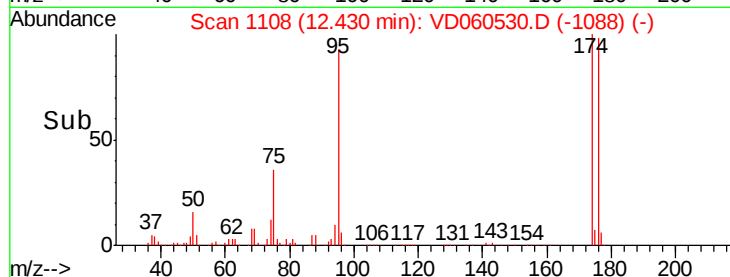
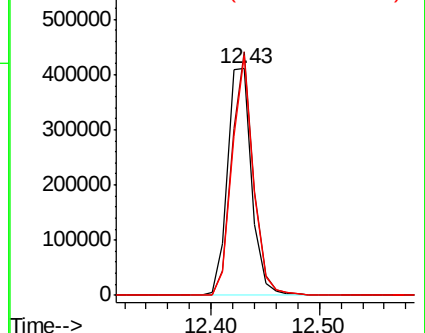
176 105.7 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: VD060530.D

Acq: 11 Dec 2018 12:42

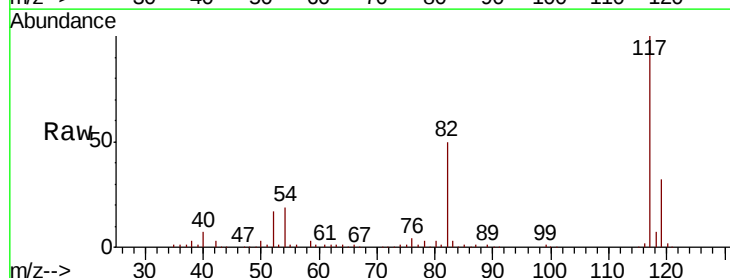
Tgt Ion: 117 Resp: 1883022

Ion Ratio Lower Upper

117 100

82 50.2 45.2 67.8

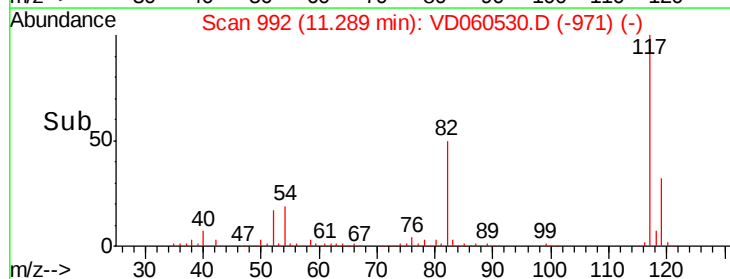
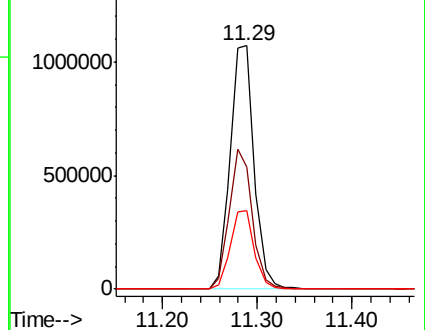
119 32.3 26.1 39.1

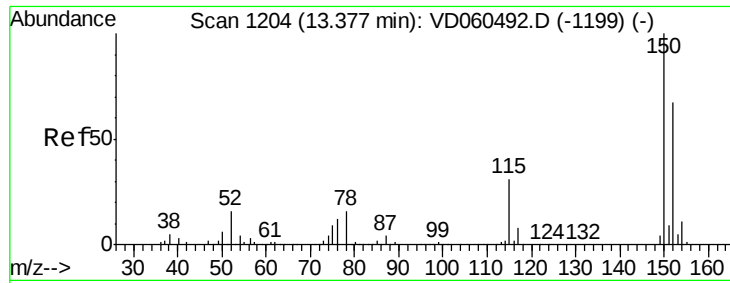


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060530.D

Acq: 11 Dec 2018 12:42

Instrument :

MSVOA_D

ClientSampleId :

OR-02-121018-A

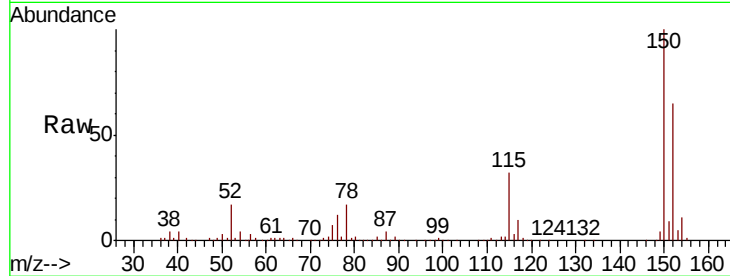
Tot Ion:152 Resp: 801634

Ion Ratio Lower Upper

152 100

115 49.3 24.6 74.0

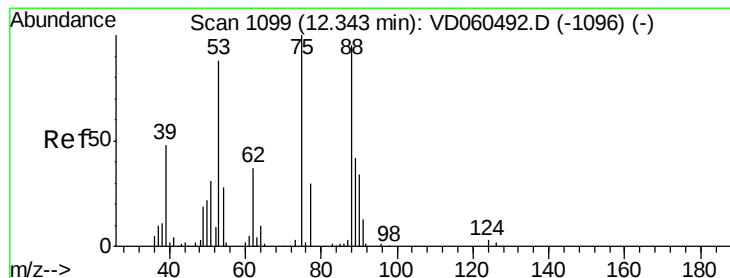
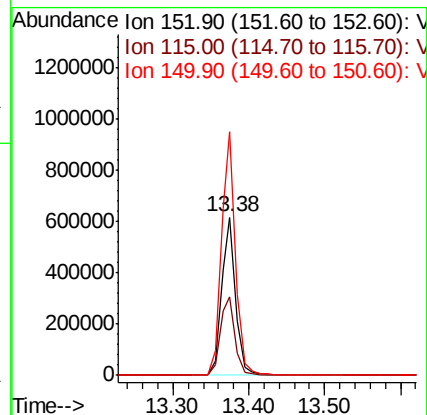
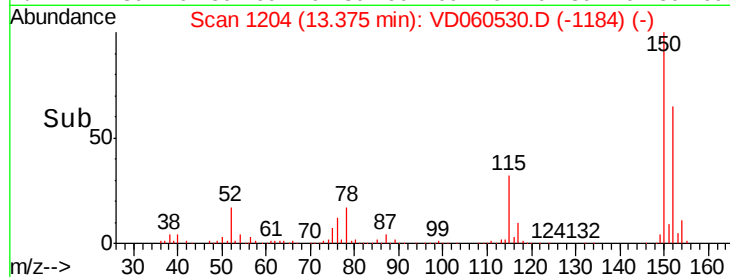
150 153.7 0.0 309.0



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: 103.566 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060530.D

Acq: 11 Dec 2018 12:42

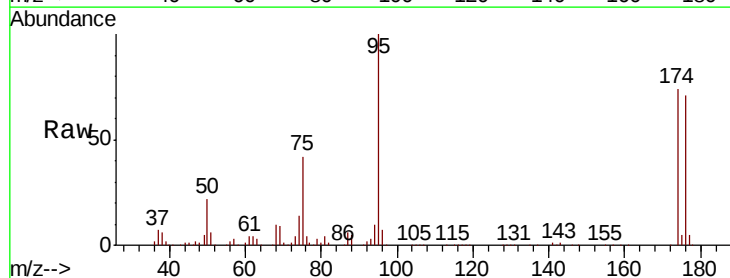
Tgt Ion: 75 Resp: 262363

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

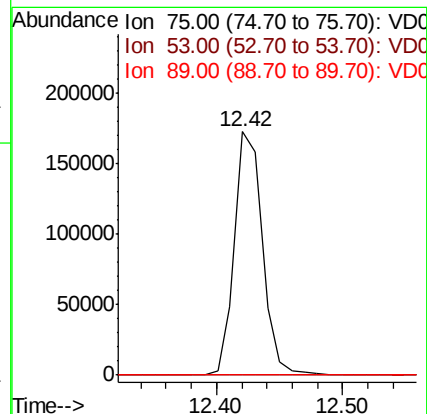
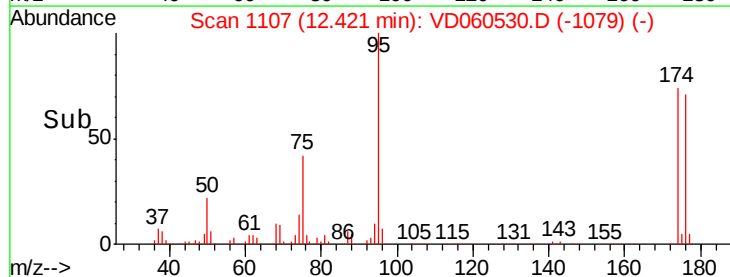
89 0.0 33.6 50.4#

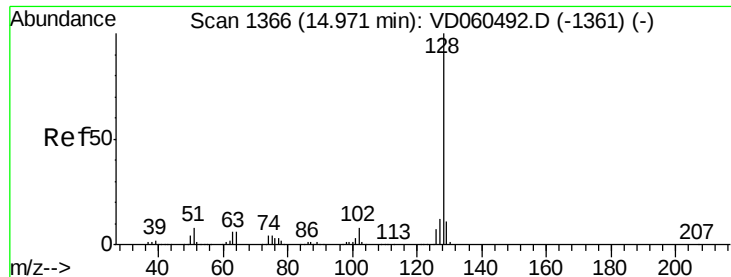


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 10.936 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060530.D
Acq: 11 Dec 2018 12:42

Instrument :
MSVOA_D
ClientSampleId :
OR-02-121018-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.8	14.8
129	11.0	8.6	13.0

