

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061064.D
 Acq On : 14 Mar 2019 14:58
 Operator : VA/AP
 Sample : K1869-09RE
 Misc : 5.28g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

Quant Time: Mar 15 02:12:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	656004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1133118	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	385861	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	232423	42.56	ug/l	0.01
Spiked Amount			Recovery	=	85.12%	
35) Dibromofluoromethane	6.93	113	362267	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	
50) Toluene-d8	10.41	98	838883	39.72	ug/l	0.01
Spiked Amount			Recovery	=	79.44%	
62) 4-Bromofluorobenzene	13.55	95	332758	40.61	ug/l	0.00
Spiked Amount			Recovery	=	81.22%	

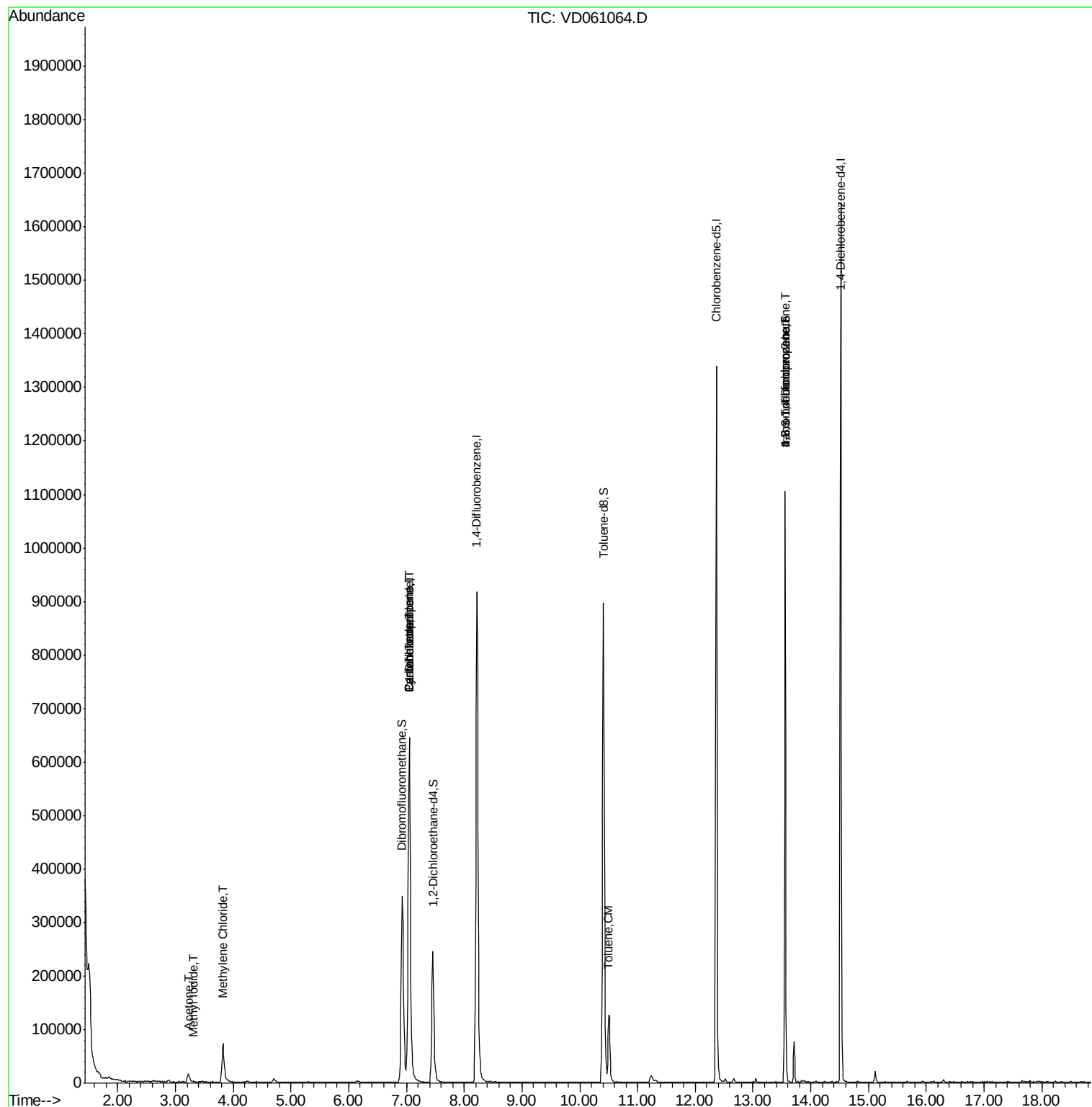
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	209	Below Cal	#	8
10) Methyl Iodide	3.32	142	184	2.949	ug/l #	39
16) Acetone	3.23	43	30907	19.793	ug/l	95
20) Methylene Chloride	3.83	84	56526	3.613	ug/l	91
31) Cyclohexane	7.05	56	10750	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	48334	4.949	ug/l #	45
38) Carbon Tetrachloride	7.05	117	63468	5.899	ug/l #	15
52) Toluene	10.50	92	75307	4.962	ug/l	97
76) 1,2,3-Trichloropropane	13.55	75	86841	15.643	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	122863	75.070	ug/l #	17

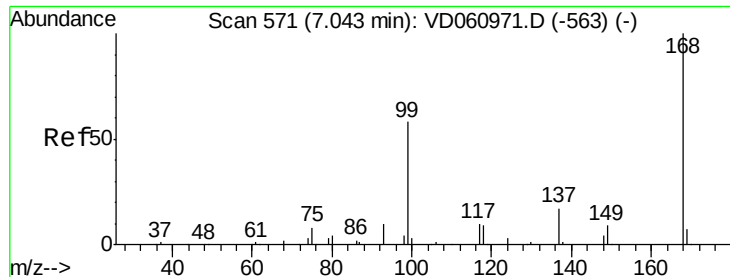
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031419\
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Quant Time: Mar 15 02:12:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

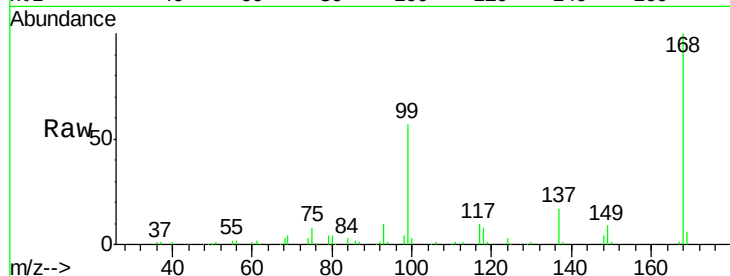
SP-2RE

Tot Ion:168 Resp: 656004

Ion Ratio Lower Upper

168 100

99 57.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

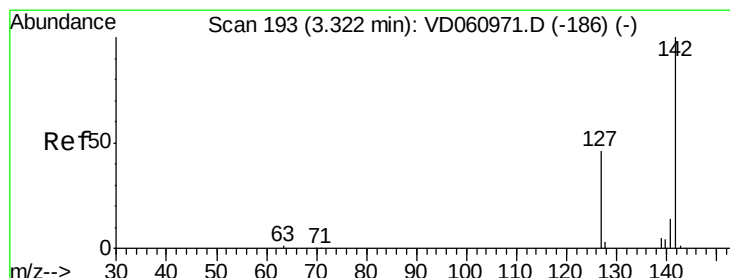
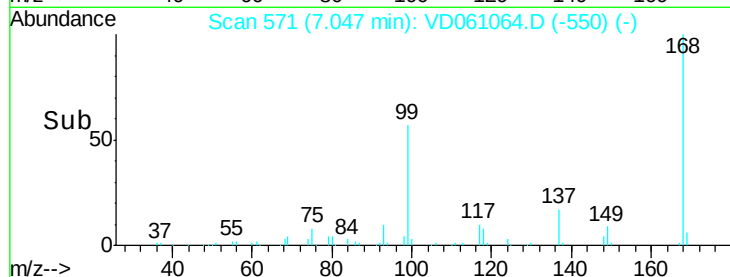
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 2.949 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

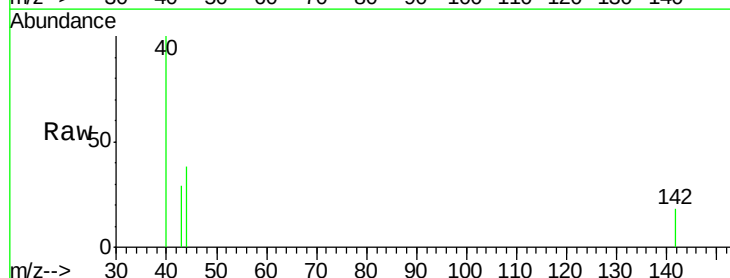
Tgt Ion:142 Resp: 184

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

500

400

300

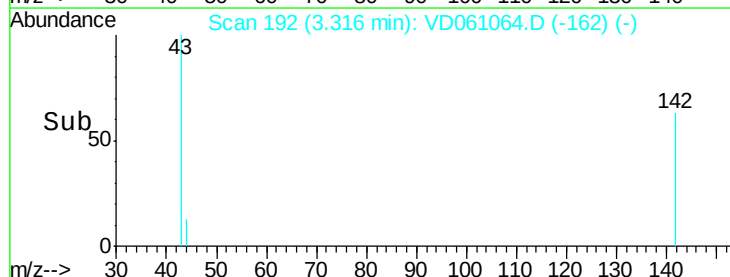
200

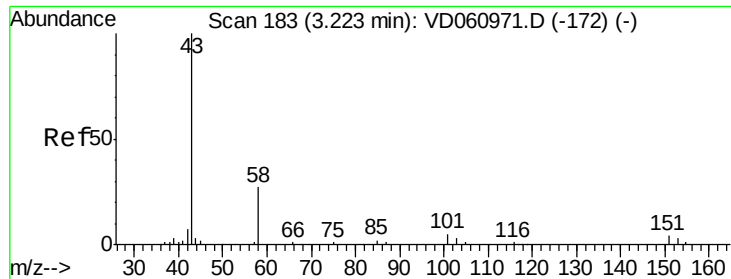
100

0

3.30 3.32

Time-->





#16

Acetone

Concen: 19.793 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

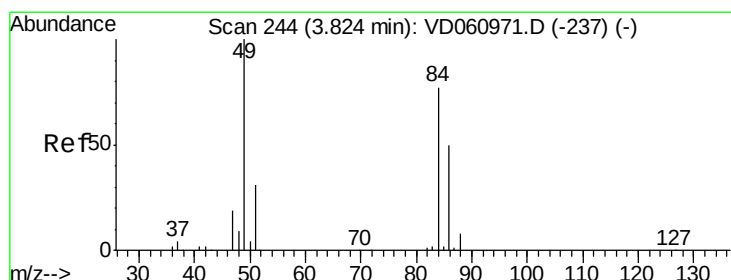
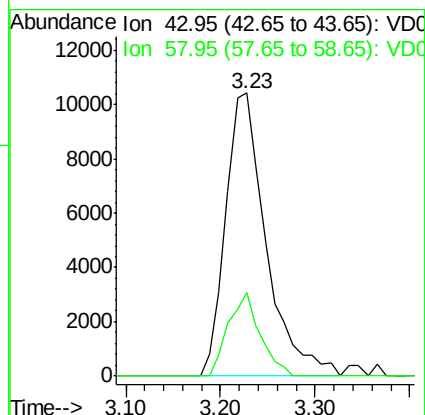
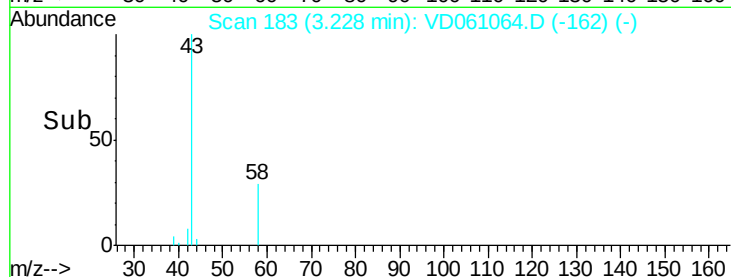
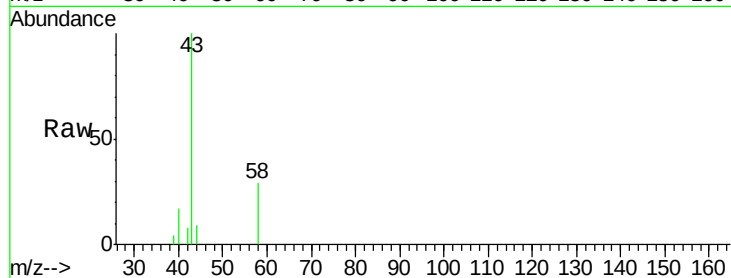
SP-2RE

Tot Ion: 43 Resp: 30907

Ion Ratio Lower Upper

43 100

58 29.4 21.6 32.4



#20

Methylene Chloride

Concen: 3.613 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Tgt Ion: 84 Resp: 56526

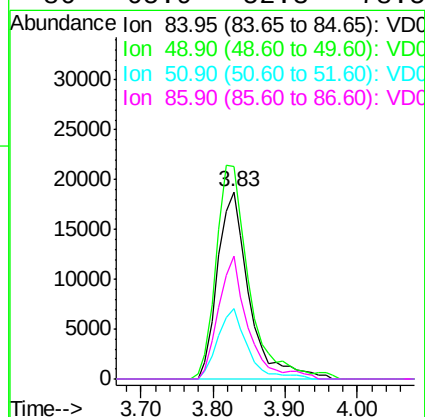
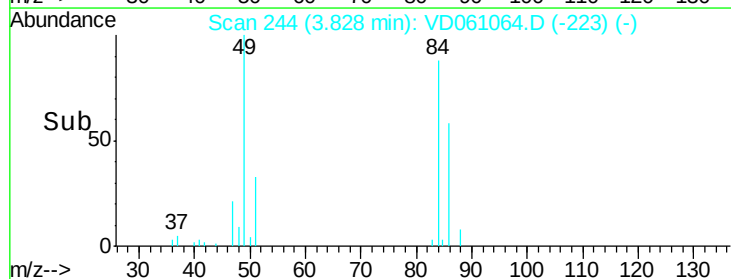
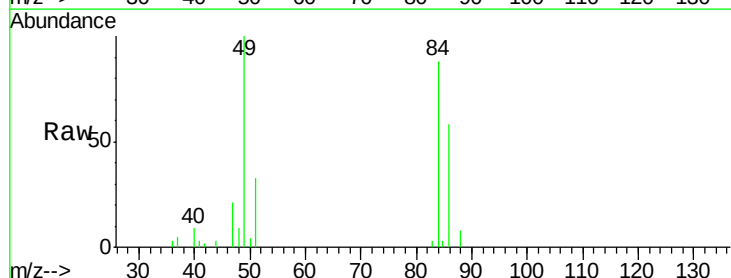
Ion Ratio Lower Upper

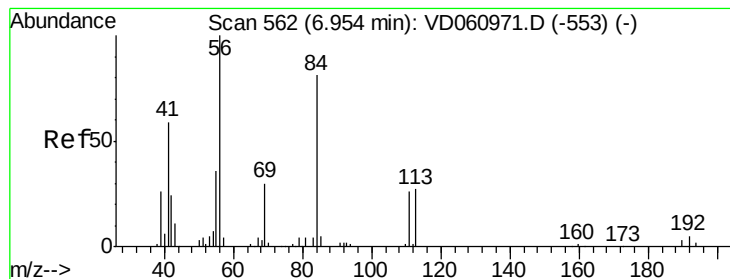
84 100

49 113.3 104.2 156.2

51 37.7 32.3 48.5

86 65.9 52.3 78.5





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE

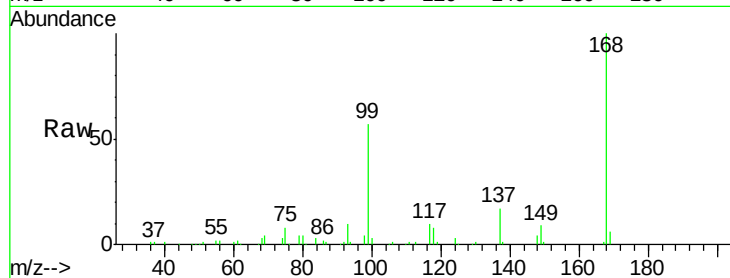
Tot Ion: 56 Resp: 10750

Ion Ratio Lower Upper

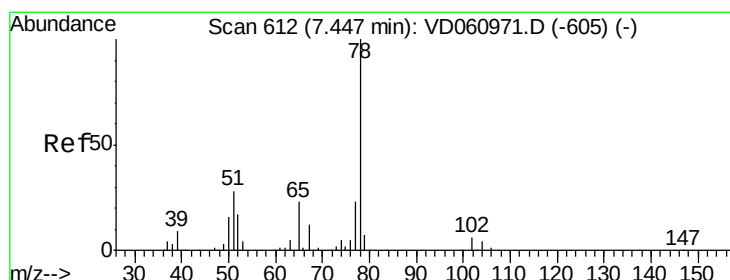
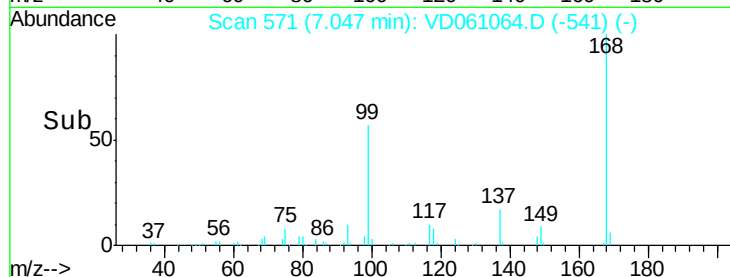
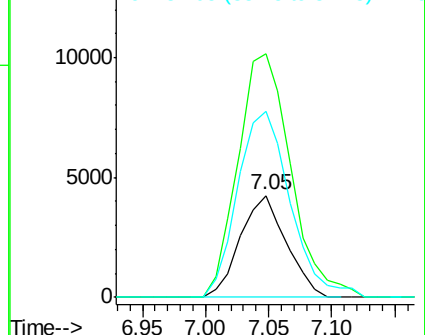
56 100

69 239.2 24.0 36.0#

84 183.1 65.8 98.6#



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: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061064.D

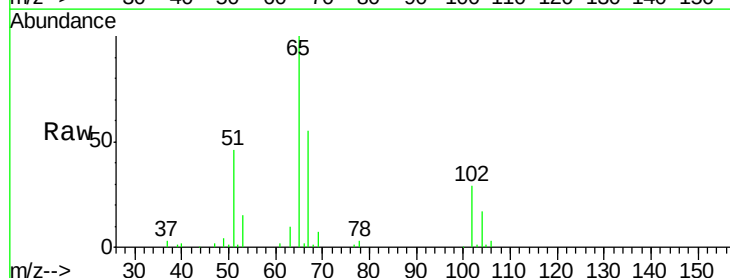
Acq: 14 Mar 2019 14:58

Tgt Ion: 65 Resp: 232423

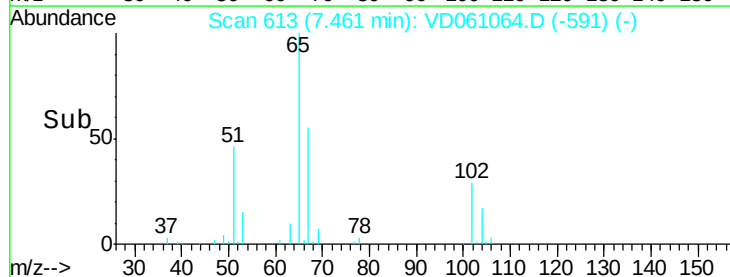
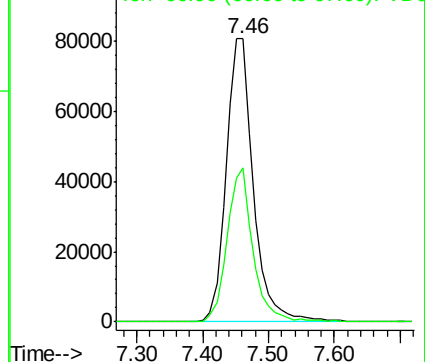
Ion Ratio Lower Upper

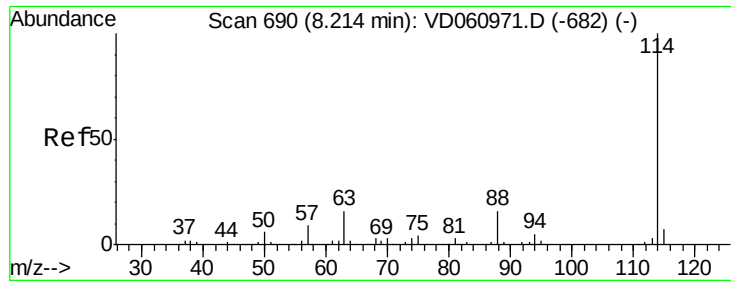
65 100

67 54.5 0.0 105.2



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

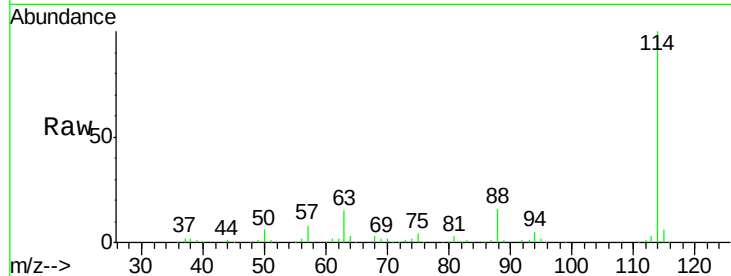




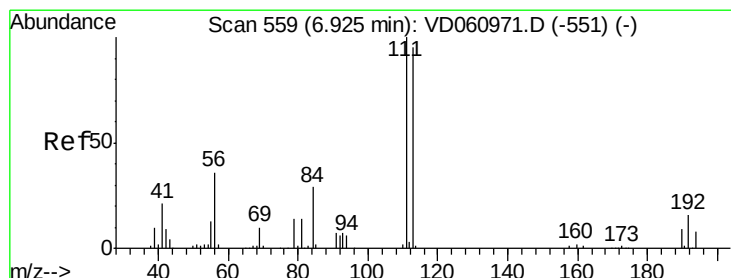
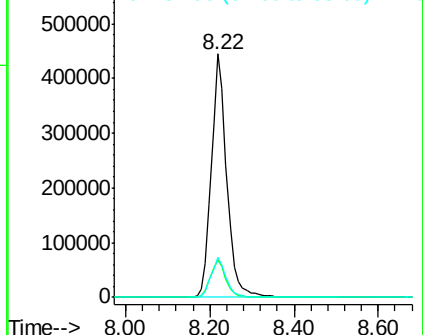
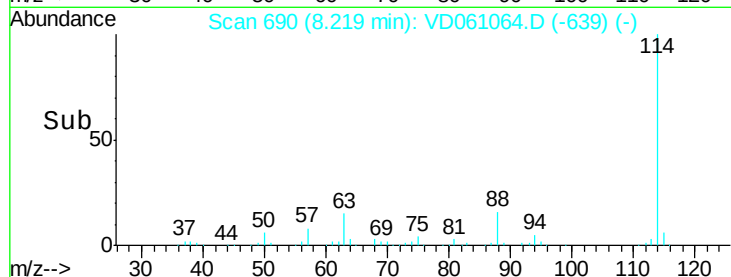
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061064.D
 Acq: 14 Mar 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

Tot Ion:114 Resp: 1133118
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 16.2 0.0 33.0

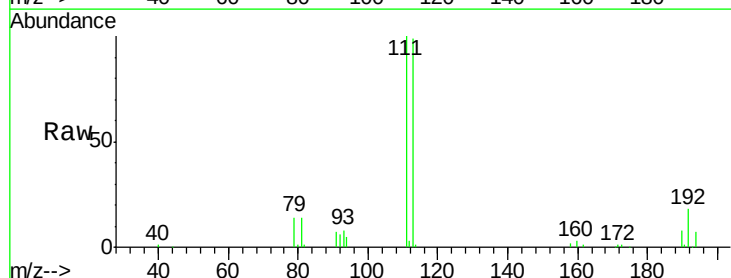


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

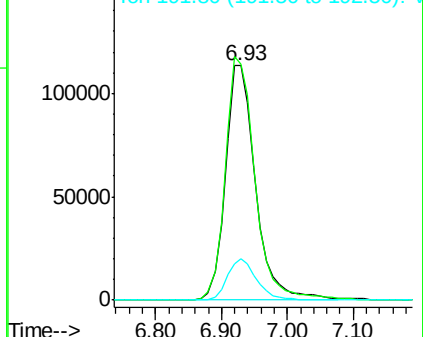
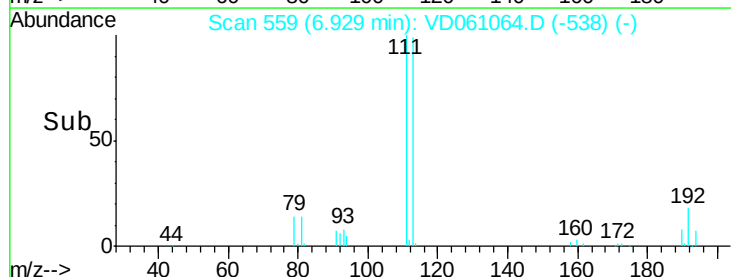


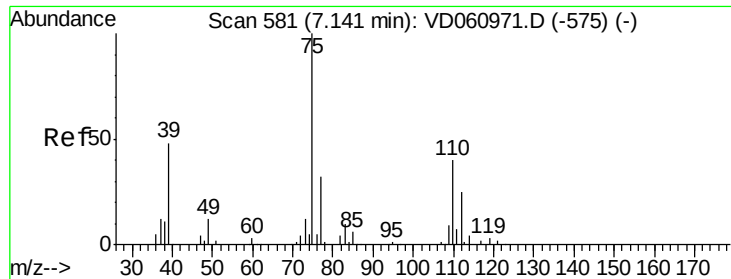
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061064.D
 Acq: 14 Mar 2019 14:58

Tgt Ion:113 Resp: 362267
 Ion Ratio Lower Upper
 113 100
 111 100.7 84.2 126.4
 192 17.7 13.1 19.7



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

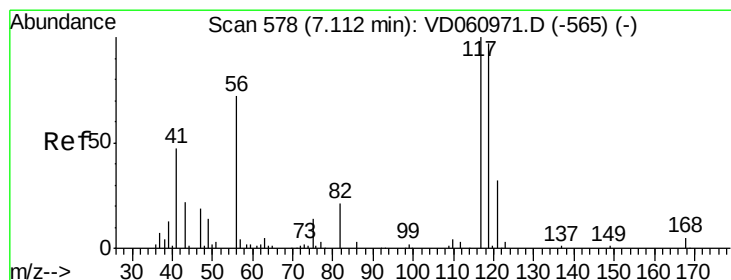
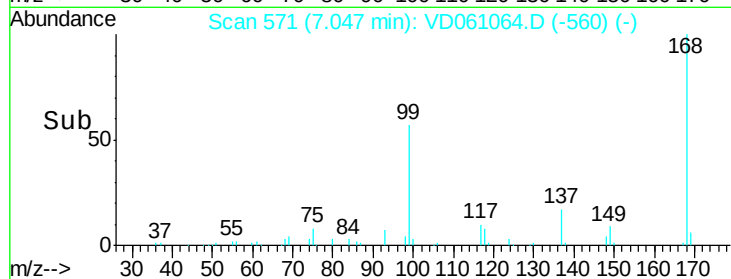
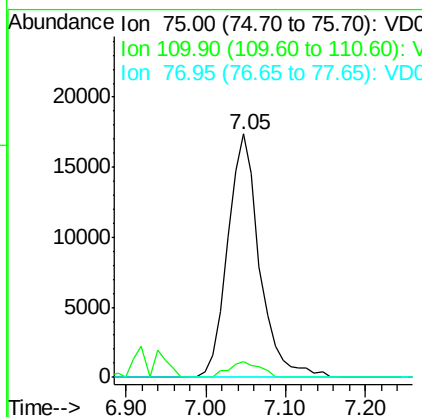
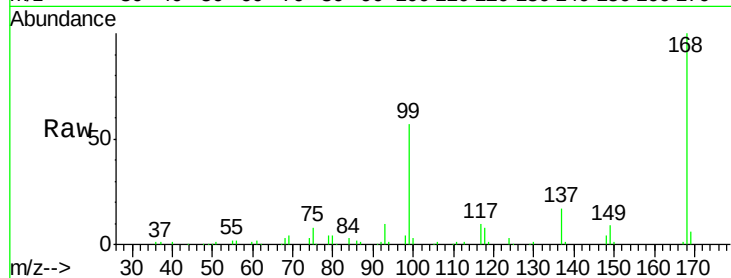




#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD061064.D
 Acq: 14 Mar 2019 14:58

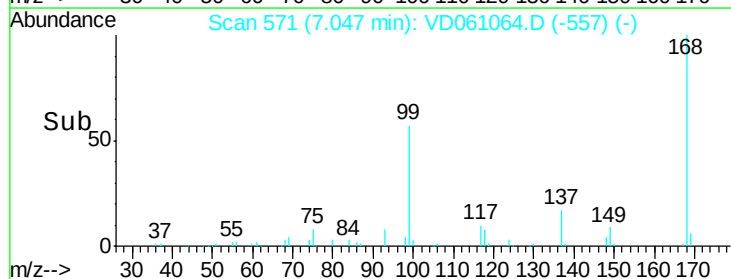
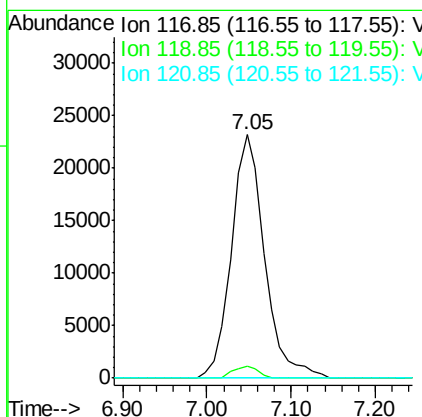
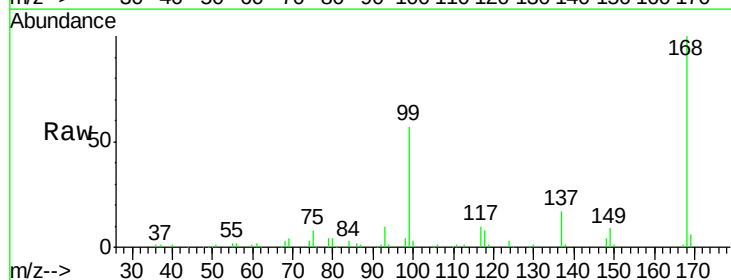
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

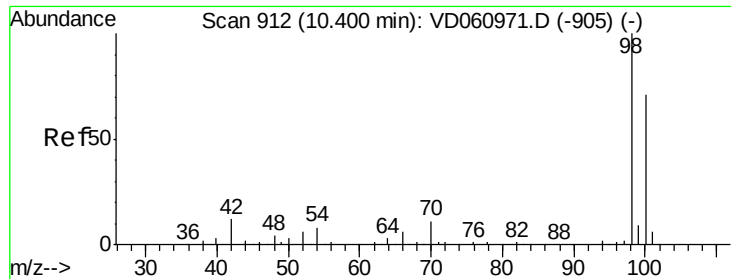
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.3	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.899 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: VD061064.D
 Acq: 14 Mar 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.8	116.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

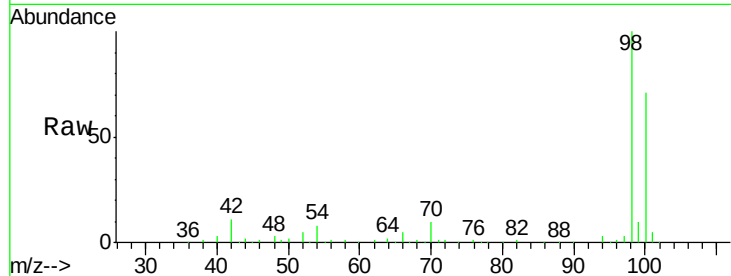
SP-2RE

Tot Ion: 98 Resp: 838883

Ion Ratio Lower Upper

98 100

100 70.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

300000

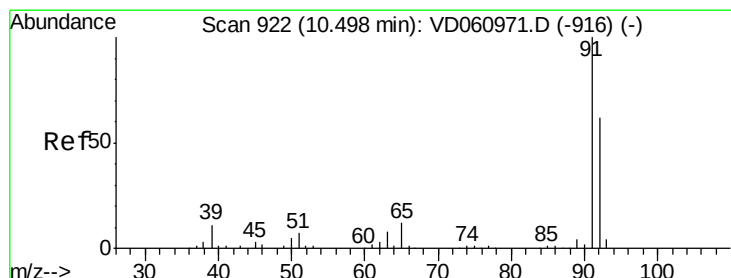
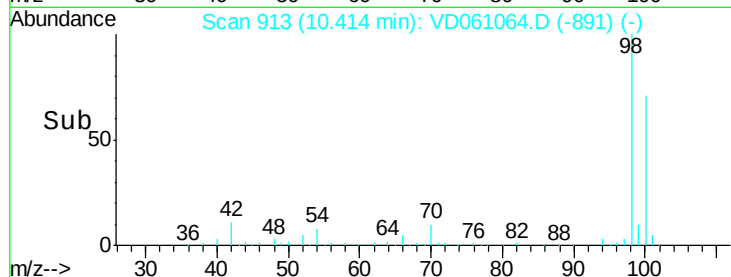
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#52

Toluene

Concen: 4.962 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061064.D

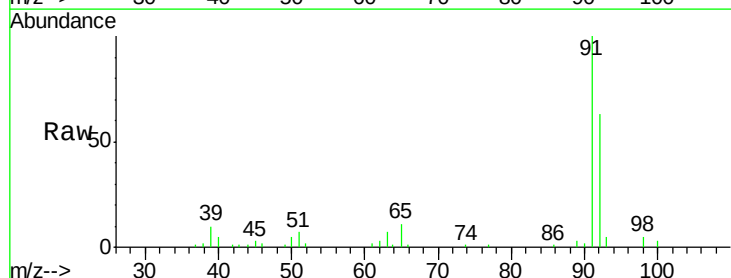
Acq: 14 Mar 2019 14:58

Tgt Ion: 92 Resp: 75307

Ion Ratio Lower Upper

92 100

91 158.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

30000

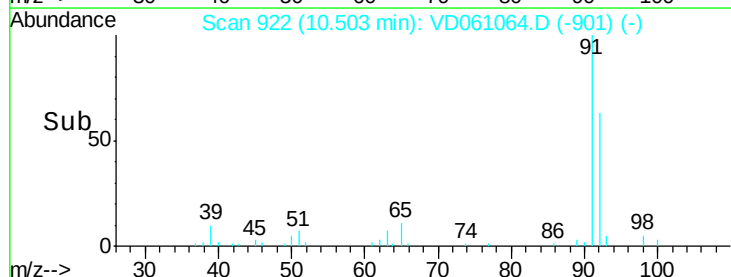
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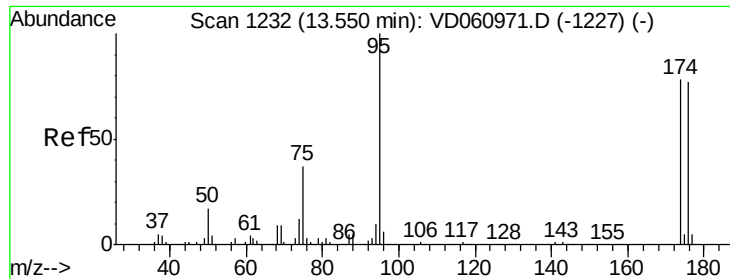
10000

0

Time-->

10.40 10.50 10.60





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE

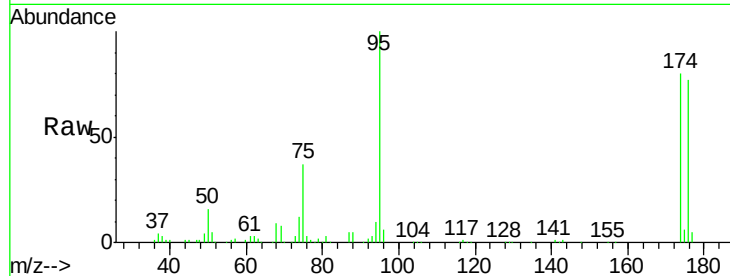
Tot Ion: 95 Resp: 332758

Ion Ratio Lower Upper

95 100

174 79.5 0.0 155.6

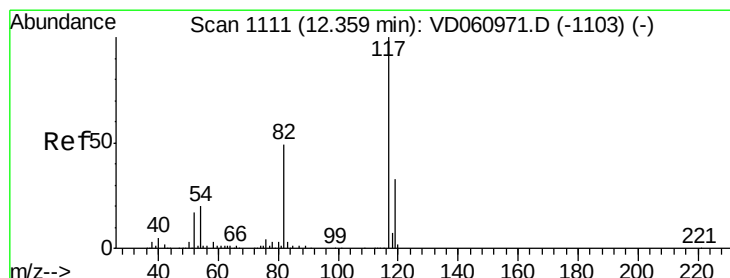
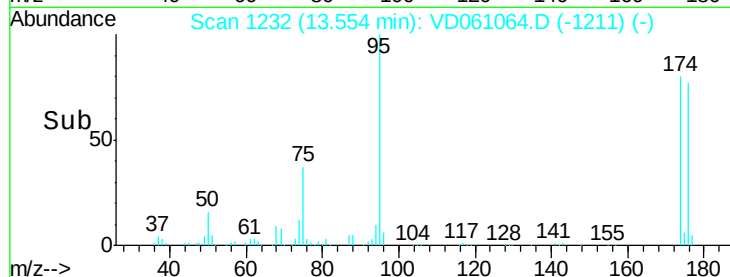
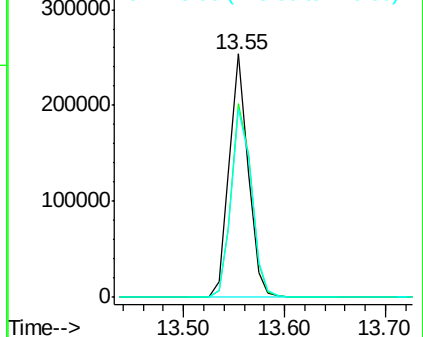
176 77.5 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

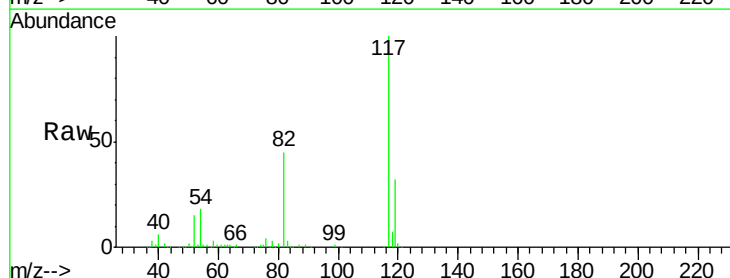
Tgt Ion: 117 Resp: 867922

Ion Ratio Lower Upper

117 100

82 45.5 38.9 58.3

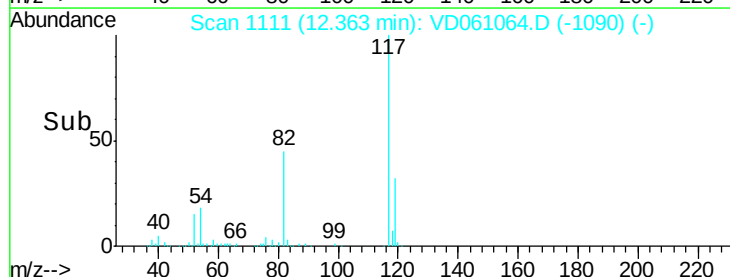
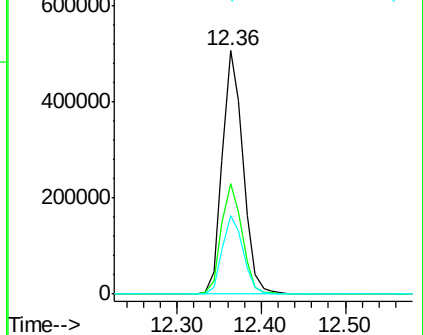
119 32.1 26.6 39.8

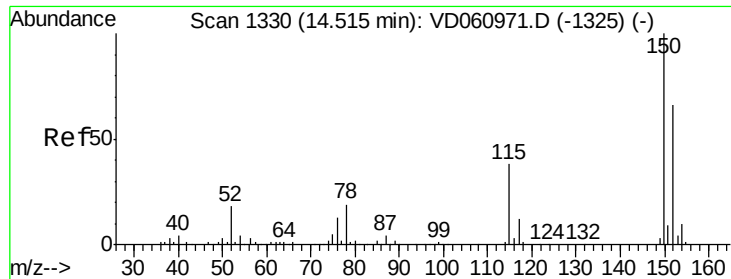


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE

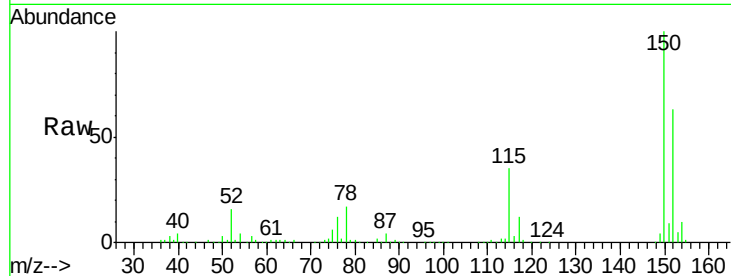
Tot Ion:152 Resp: 385861

Ion Ratio Lower Upper

152 100

115 54.5 28.6 85.9

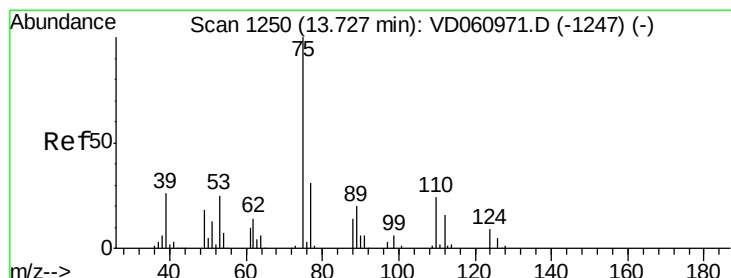
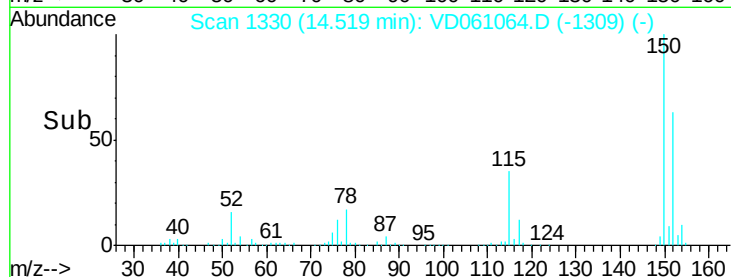
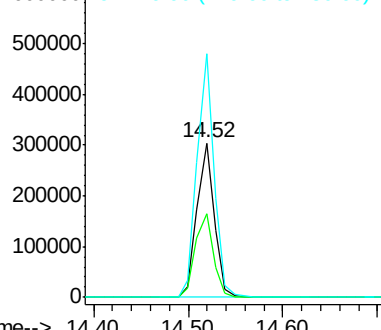
150 158.0 0.0 310.6



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: 15.643 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061064.D

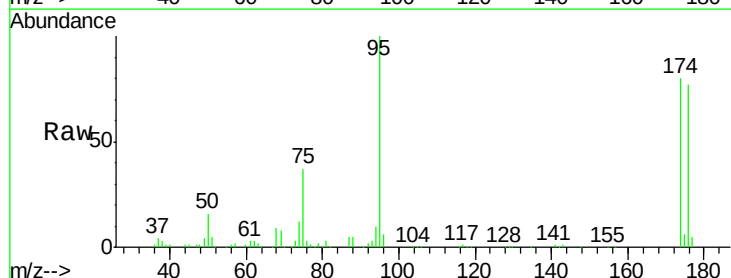
Acq: 14 Mar 2019 14:58

Tgt Ion: 75 Resp: 86841

Ion Ratio Lower Upper

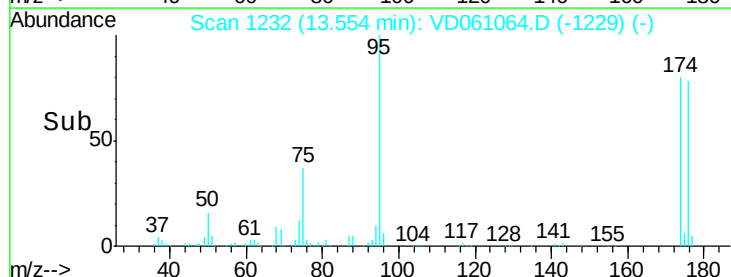
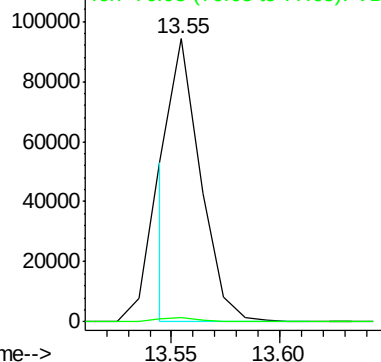
75 100

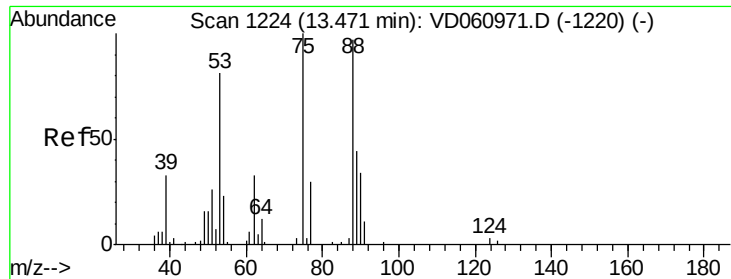
77 1.4 16.6 49.7#



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: 75.070 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE

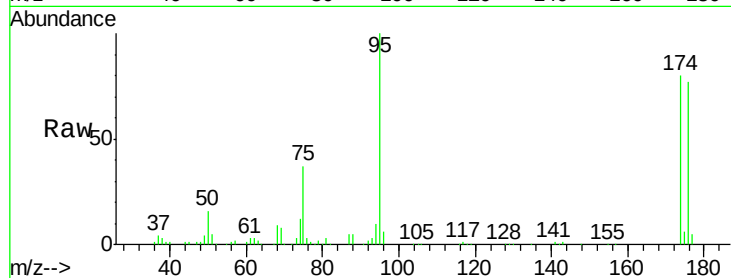
Tot Ion: 75 Resp: 122863

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

