

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062241.D
 Acq On : 11 May 2019 16:59
 Operator : FY/SY
 Sample : K2718-12RE
 Misc : 5.63g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0206-01RE

Quant Time: May 11 22:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	607698	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	824533	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	523456	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	153688	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	343052	60.74	ug/l	0.03
Spiked Amount			Recovery	=	121.48%	
35) Dibromofluoromethane	6.93	113	383339	56.03	ug/l	0.03
Spiked Amount			Recovery	=	112.06%	
50) Toluene-d8	10.41	98	712908	43.22	ug/l	0.01
Spiked Amount			Recovery	=	86.44%	
62) 4-Bromofluorobenzene	13.56	95	181513	27.40	ug/l	0.01
Spiked Amount			Recovery	=	54.80%	

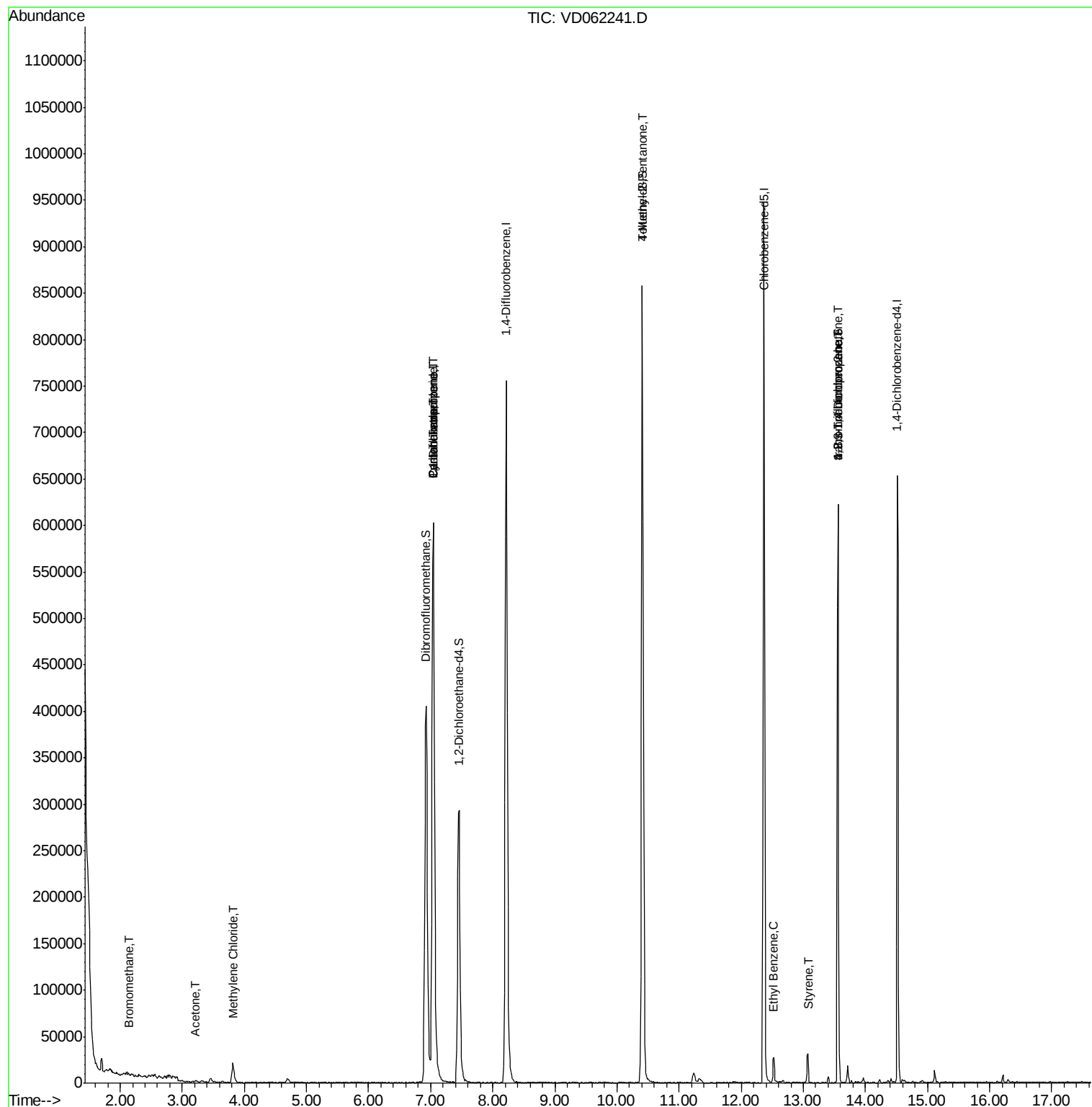
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1621	1.676	ug/l #	12
16) Acetone	3.22	43	2929	2.473	ug/l #	50
18) Methyl Acetate	3.64	43	464	Below Cal	#	53
20) Methylene Chloride	3.82	84	12102	2.447	ug/l #	65
31) Cyclohexane	7.03	56	11481	1.938	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	48348	7.152	ug/l #	47
38) Carbon Tetrachloride	7.04	117	59299	6.337	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	3527	1.349	ug/l #	1
67) Ethyl Benzene	12.53	91	20558	1.260	ug/l	93
70) Styrene	13.08	104	14730	1.575	ug/l	95
76) 1,2,3-Trichloropropane	13.55	75	71245	39.007	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	78887	152.995	ug/l #	16

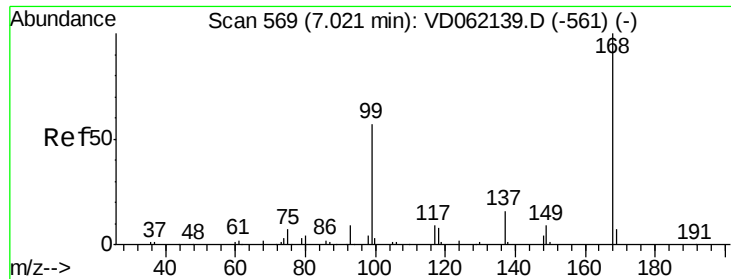
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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Response via : Initial Calibration

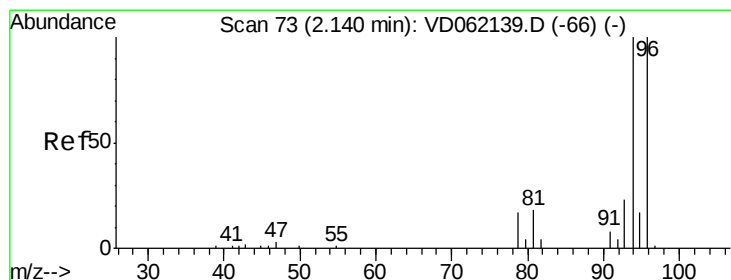
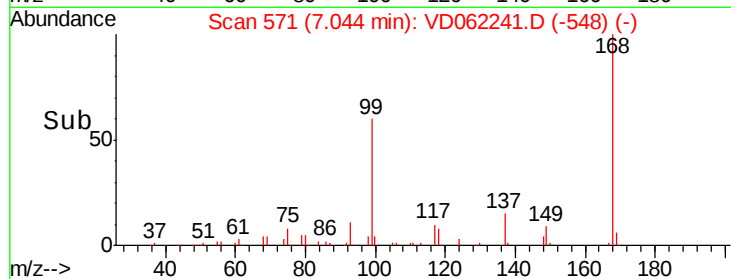
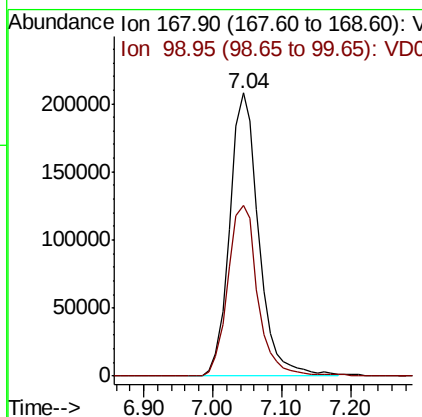
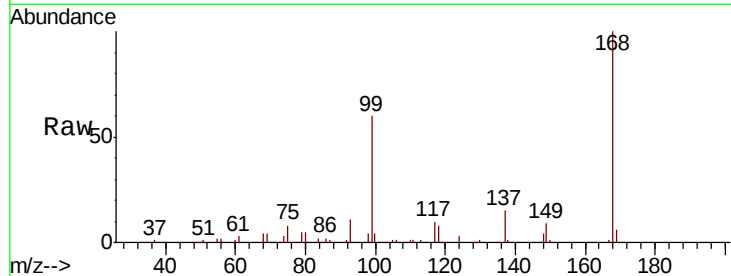




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

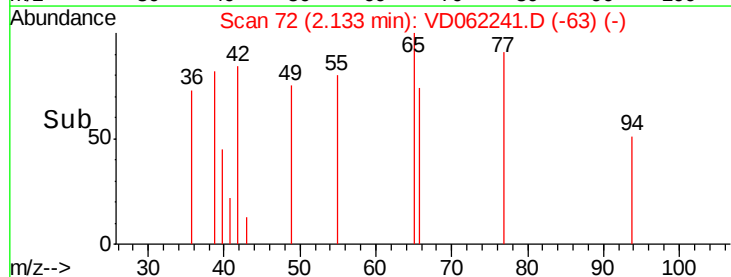
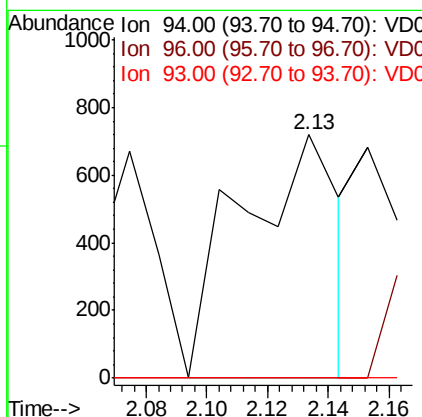
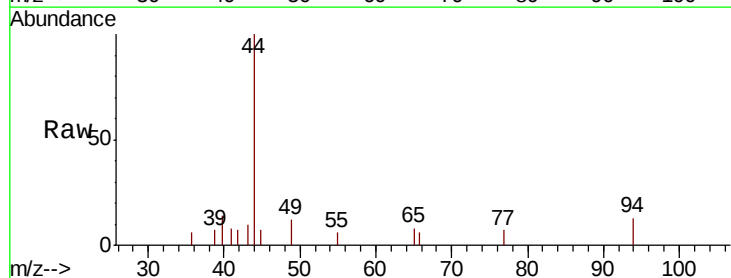
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0206-01RE

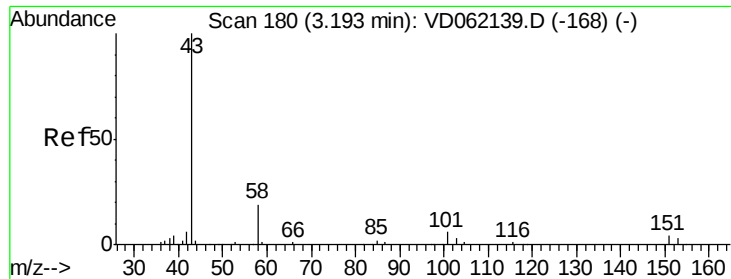
Tot Ion:168 Resp: 607698
Ion Ratio Lower Upper
168 100
99 60.1 46.5 69.7



#5
Bromomethane
Concen: 1.676 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

Tgt Ion: 94 Resp: 1621
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#





#16

Acetone

Concen: 2.473 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Instrument :

MSVOA_D

ClientSampleId :

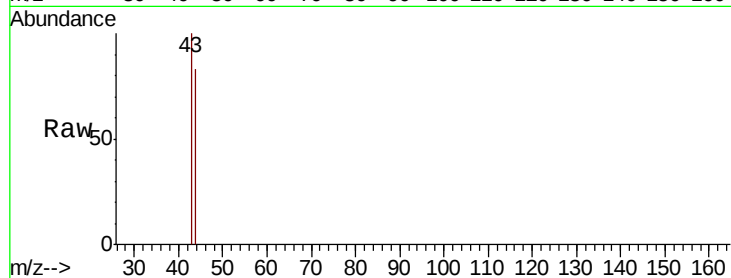
P026-SS006-0206-01RE

Tot Ion: 43 Resp: 2929

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

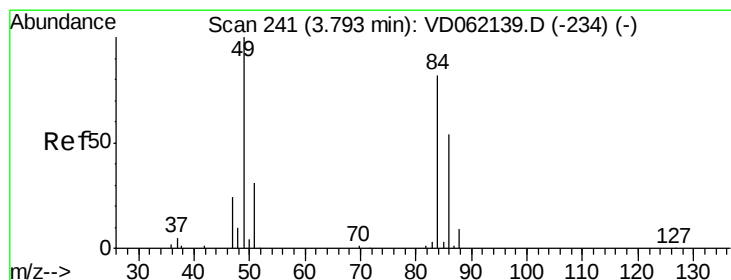
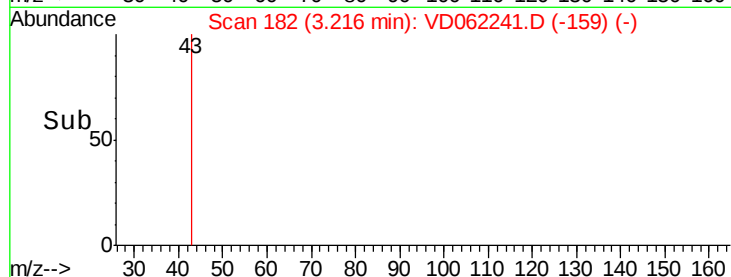
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 2.447 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Tgt Ion: 84 Resp: 12102

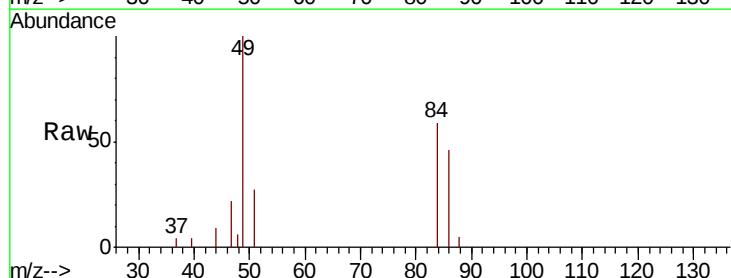
Ion Ratio Lower Upper

84 100

49 170.4 94.0 141.0#

51 45.3 29.0 43.4#

86 78.4 49.8 74.6#



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

12000

10000

8000

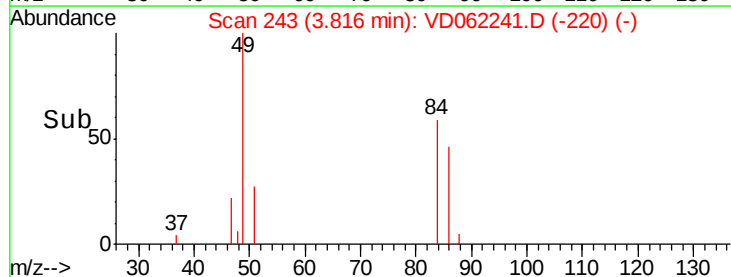
6000

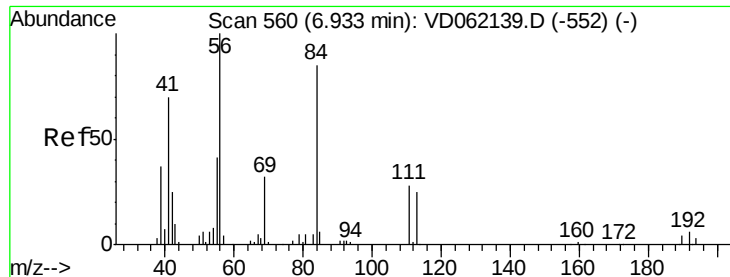
4000

2000

0

Time-->

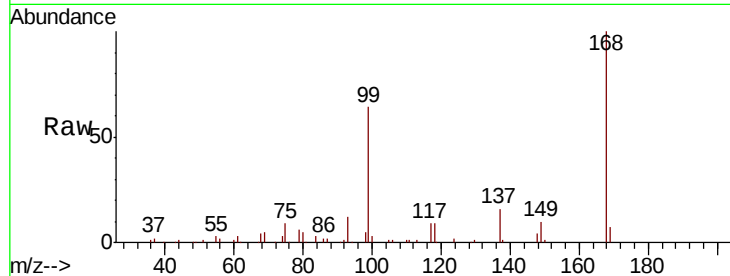




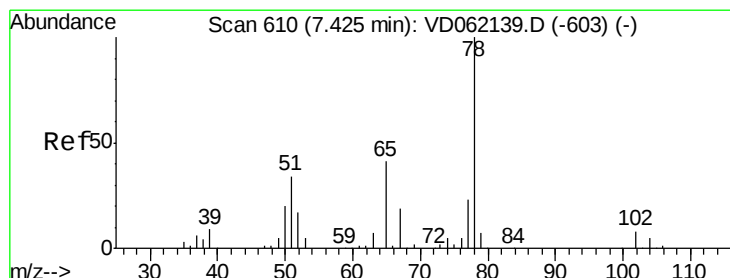
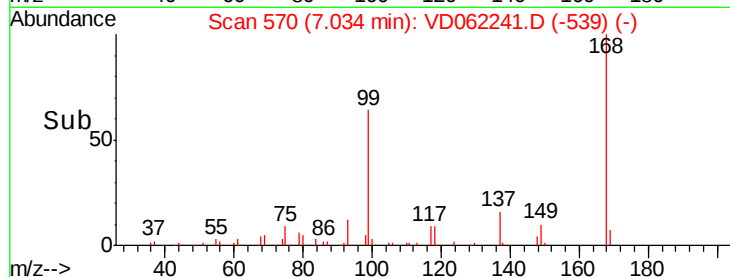
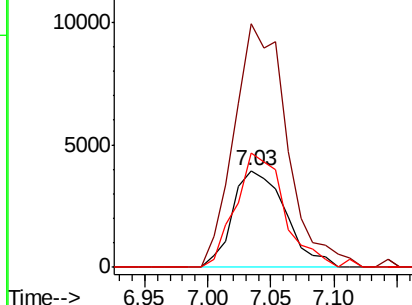
#31
Cyclohexane
Concen: 1.938 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0206-01RE

Tot Ion: 56 Resp: 11481
Ion Ratio Lower Upper
56 100
69 250.9 25.8 38.6#
84 117.8 72.2 108.4#

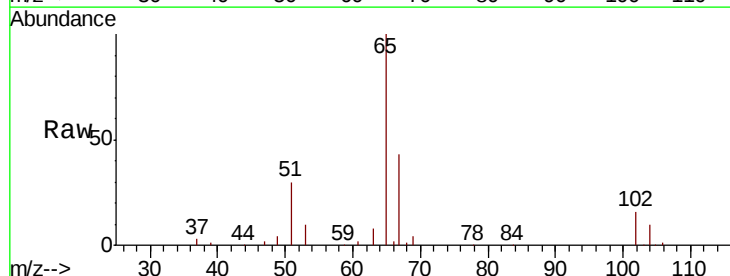


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

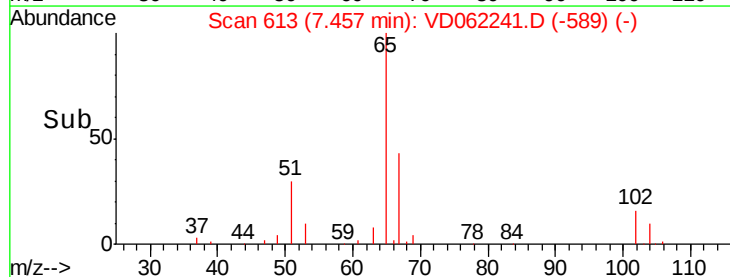
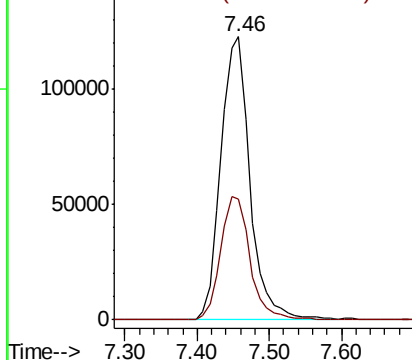


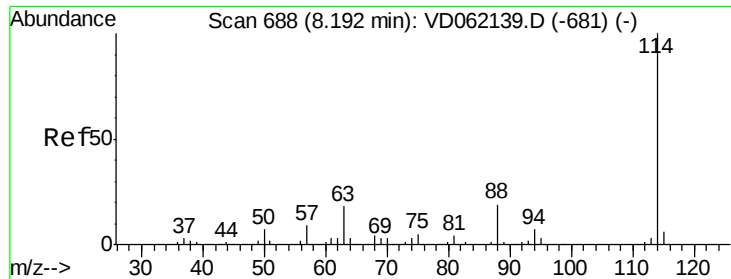
#33
1,2-Dichloroethane-d4
Concen: 60.745 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

Tgt Ion: 65 Resp: 343052
Ion Ratio Lower Upper
65 100
67 42.7 0.0 98.0



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

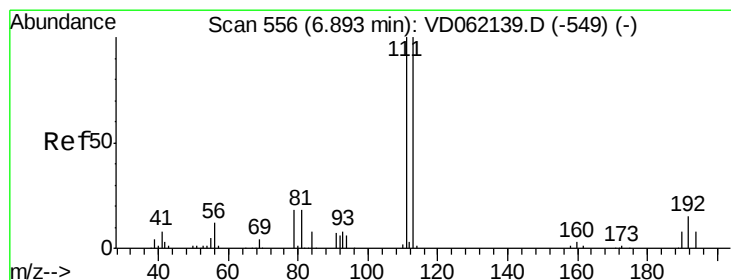
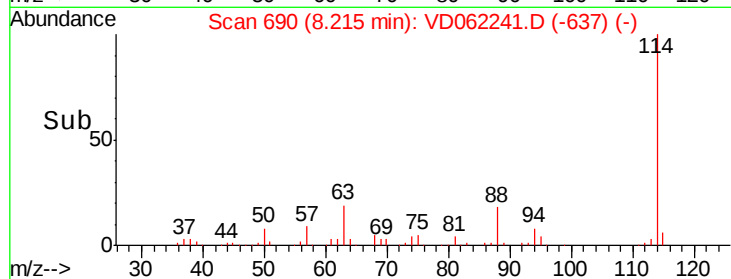
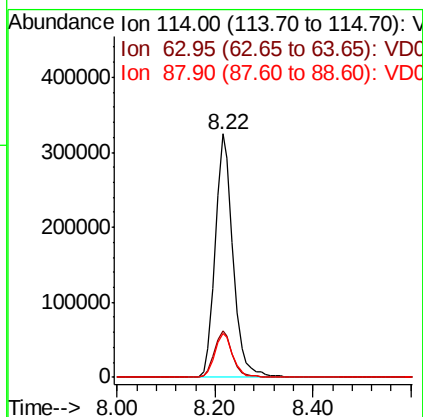
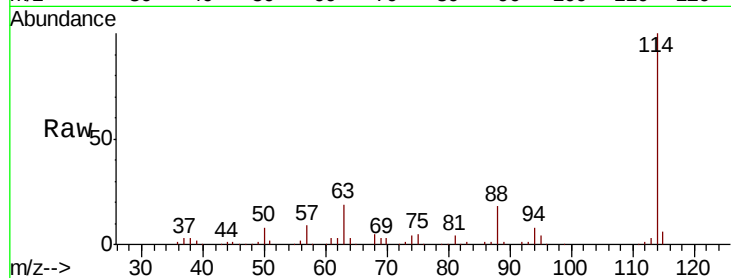




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062241.D
 Acq: 11 May 2019 16:59

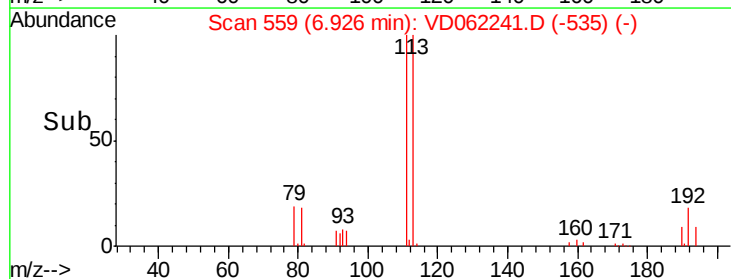
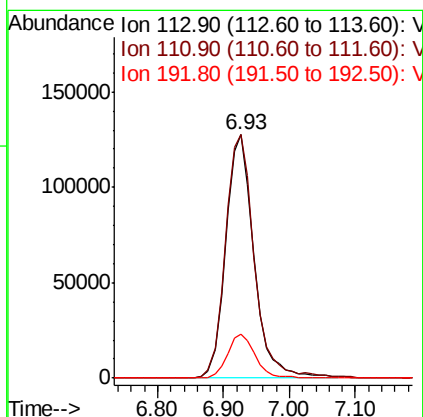
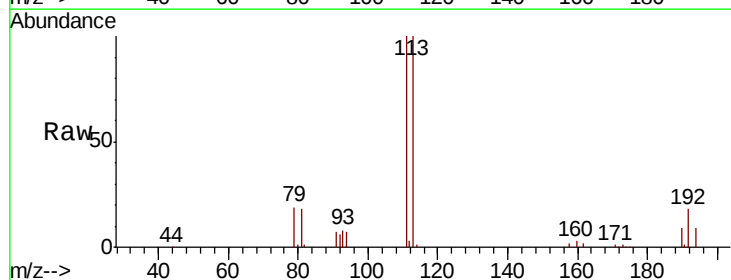
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0206-01RE

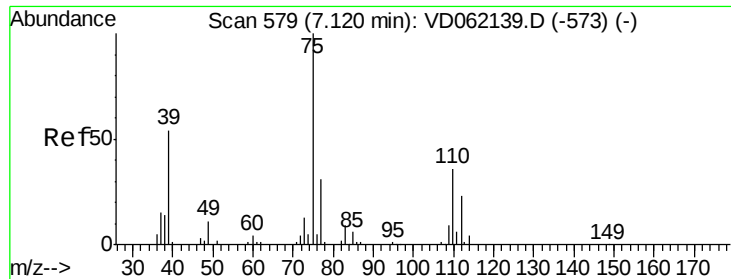
Tot Ion:114 Resp: 824533
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 32.4
 88 18.2 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 56.034 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062241.D
 Acq: 11 May 2019 16:59

Tgt Ion:113 Resp: 383339
 Ion Ratio Lower Upper
 113 100
 111 100.0 78.5 117.7
 192 18.0 13.0 19.4

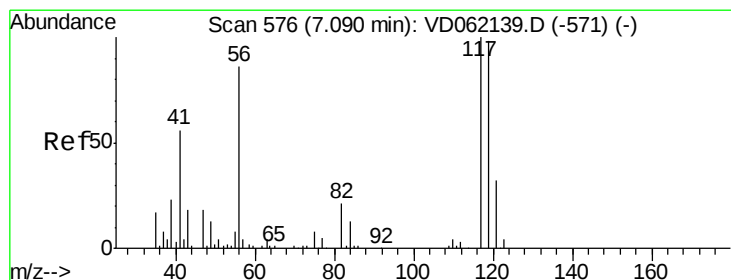
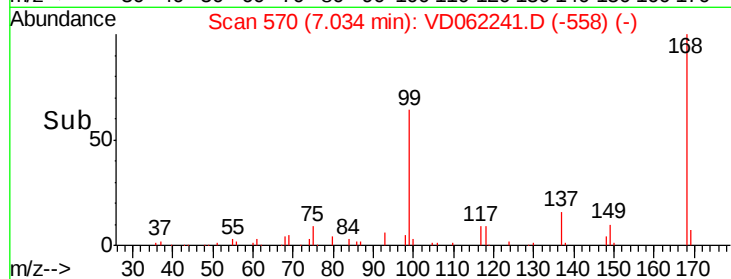
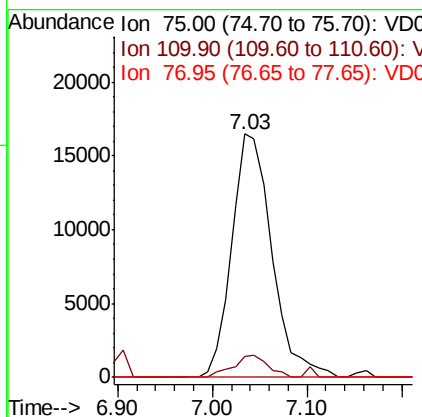
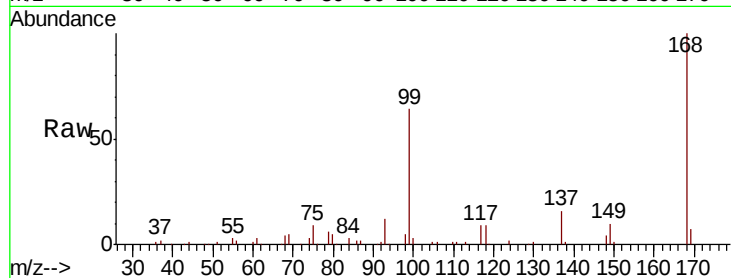




#36
 1,1-Dichloropropene
 Concen: 7.152 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062241.D
 Acq: 11 May 2019 16:59

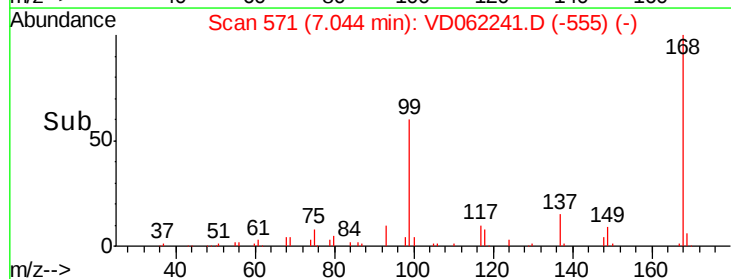
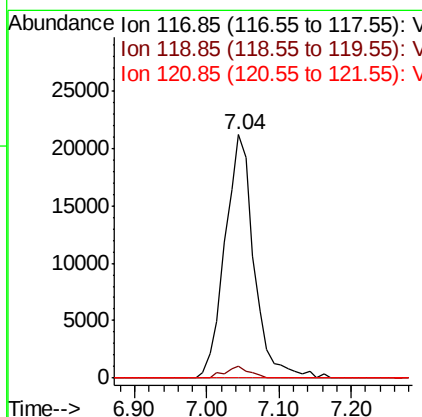
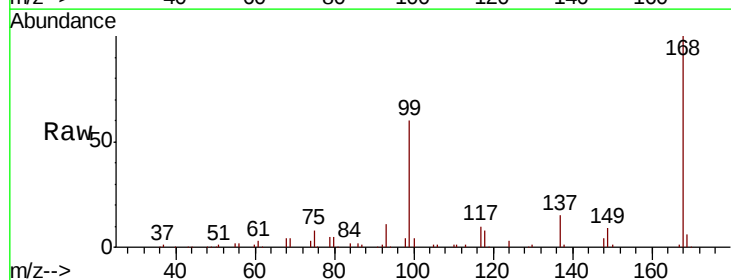
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0206-01RE

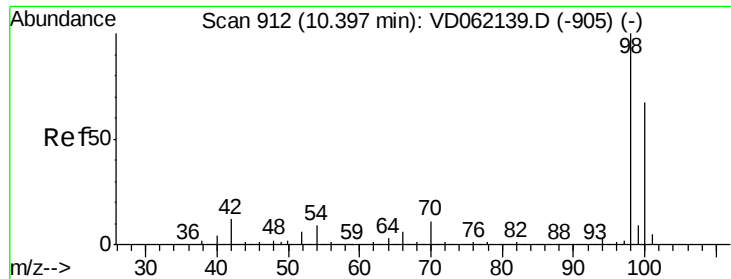
Tot Ion: 75 Resp: 48348
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.337 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD062241.D
 Acq: 11 May 2019 16:59

Tgt Ion: 117 Resp: 59299
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.8 113.8#
 121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 43.220 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Instrument :

MSVOA_D

ClientSampleId :

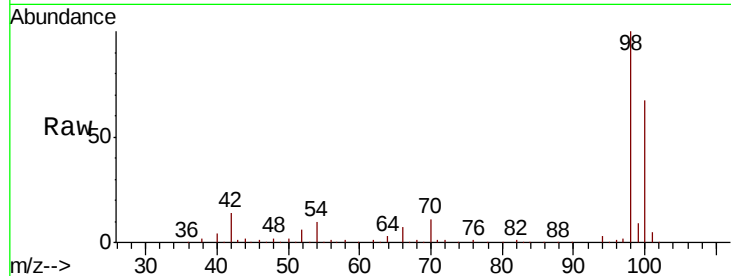
P026-SS006-0206-01RE

Tot Ion: 98 Resp: 712908

Ion Ratio Lower Upper

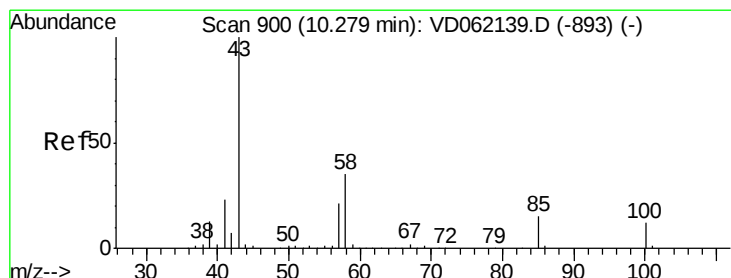
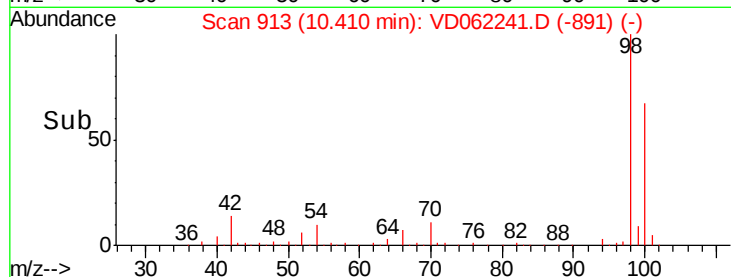
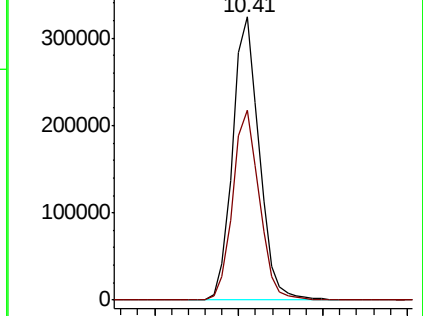
98 100

100 67.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.349 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062241.D

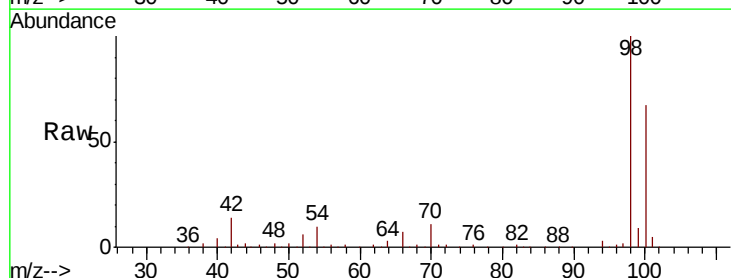
Acq: 11 May 2019 16:59

Tgt Ion: 43 Resp: 3527

Ion Ratio Lower Upper

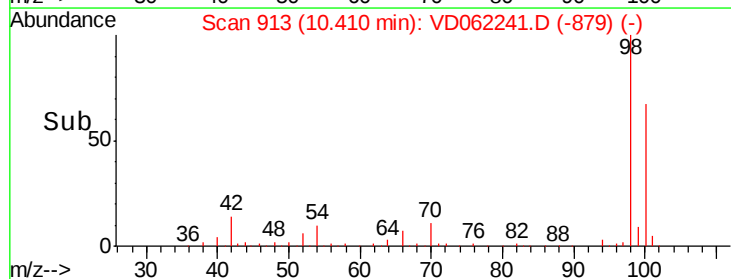
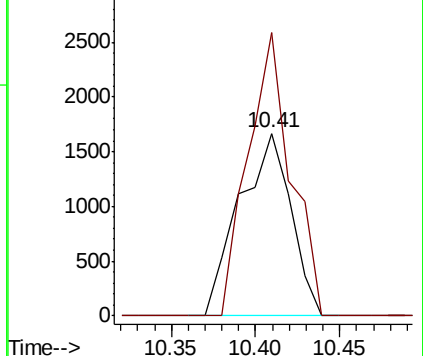
43 100

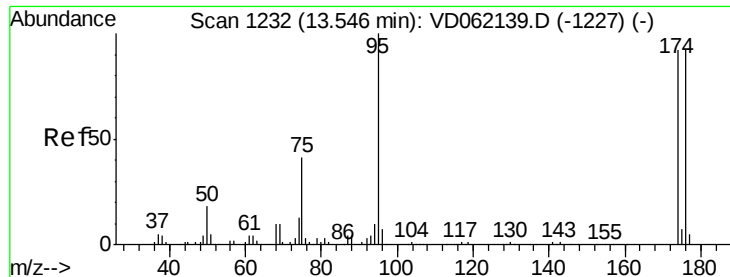
58 154.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 27.404 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0206-01RE

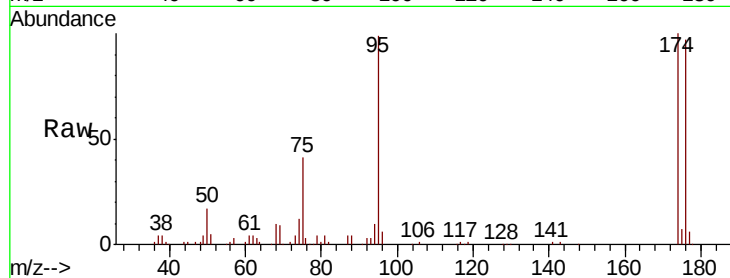
Tot Ion: 95 Resp: 181513

Ion Ratio Lower Upper

95 100

174 100.6 0.0 181.8

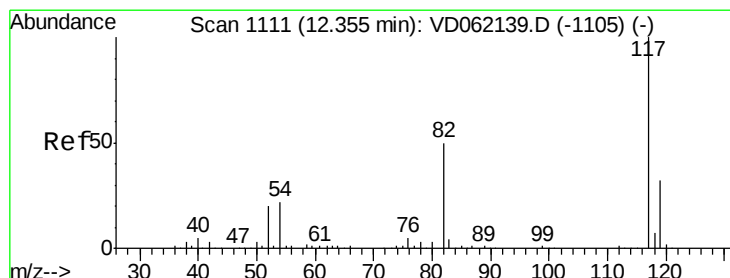
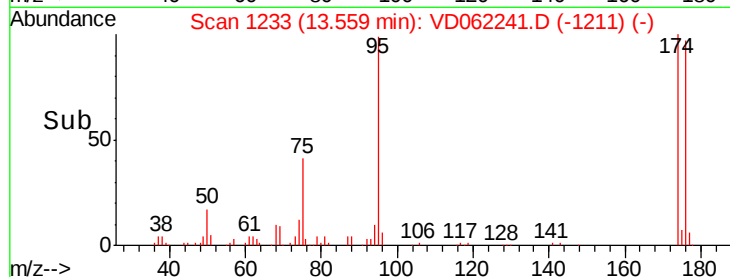
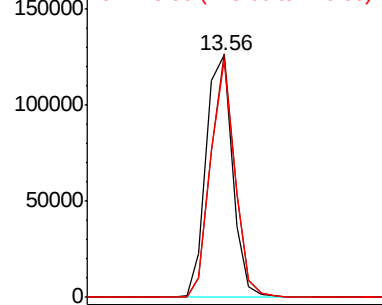
176 97.9 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

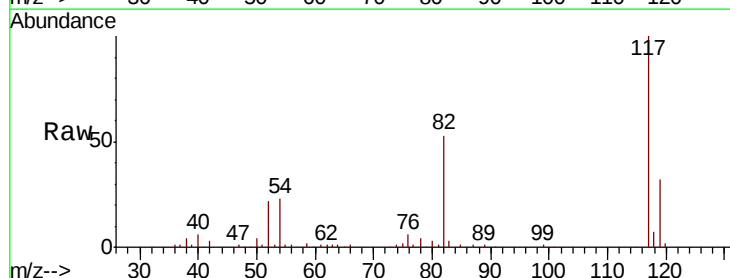
Tgt Ion: 117 Resp: 523456

Ion Ratio Lower Upper

117 100

82 52.6 36.2 54.2

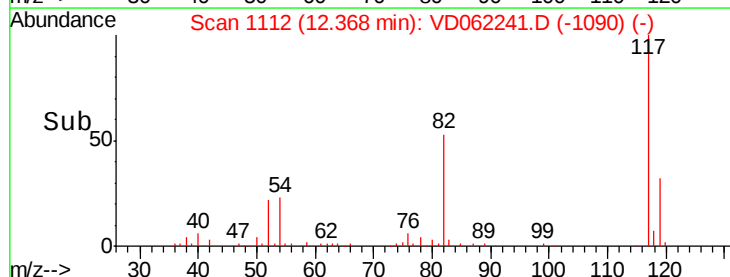
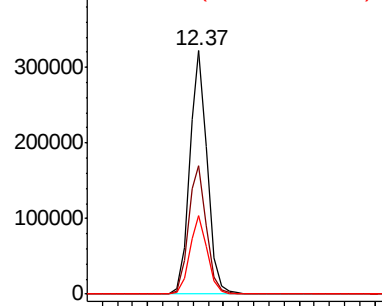
119 32.0 26.2 39.4

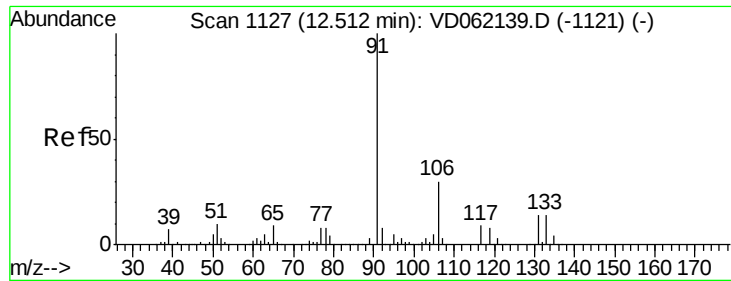


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

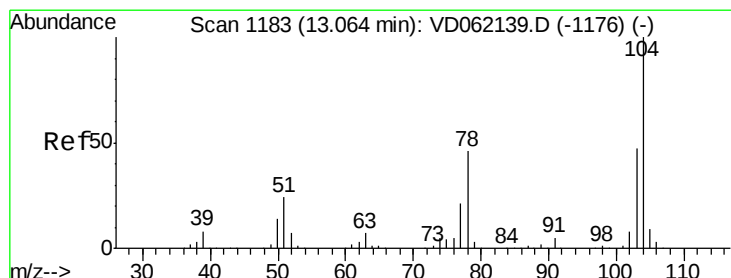
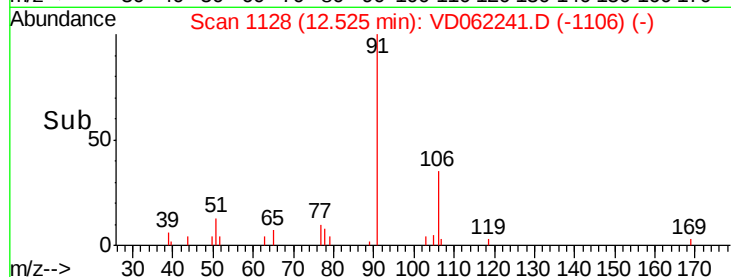
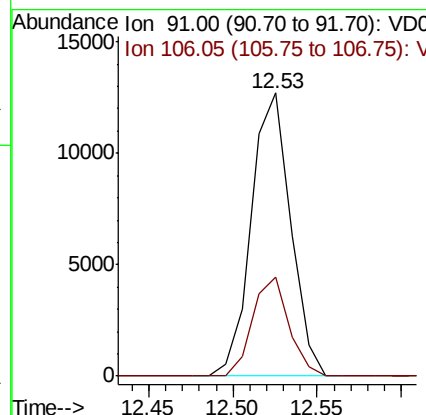
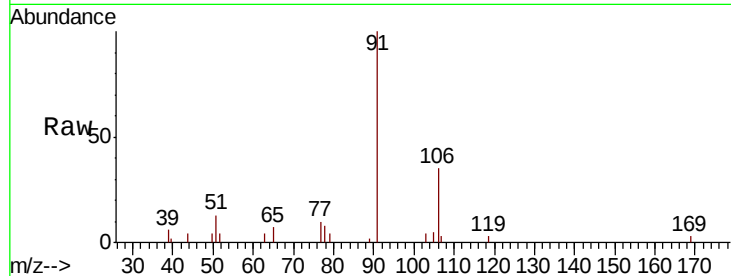




#67
Ethyl Benzene
Concen: 1.260 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

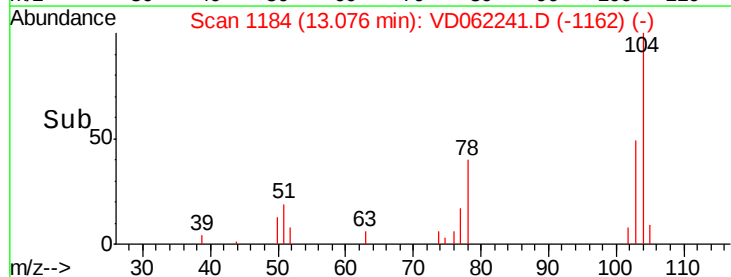
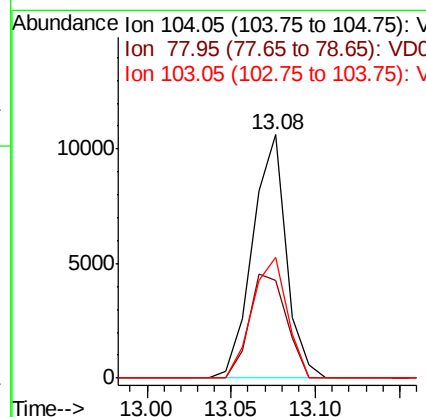
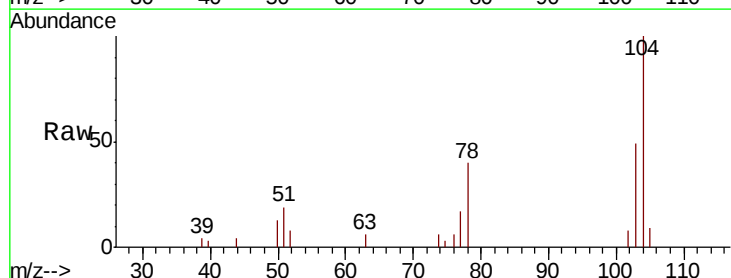
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0206-01RE

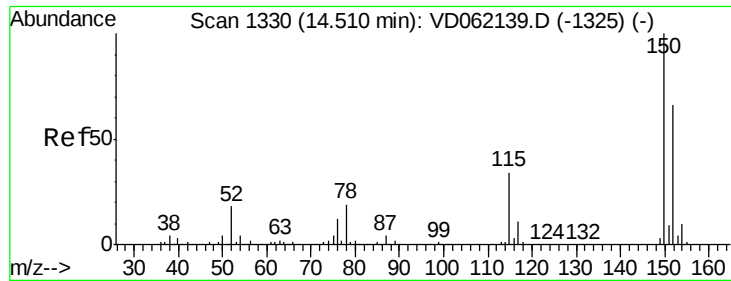
Tot Ion: 91 Resp: 20558
Ion Ratio Lower Upper
91 100
106 34.9 24.7 37.1



#70
Styrene
Concen: 1.575 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062241.D
Acq: 11 May 2019 16:59

Tgt Ion: 104 Resp: 14730
Ion Ratio Lower Upper
104 100
78 39.9 35.4 53.2
103 49.5 37.5 56.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0206-01RE

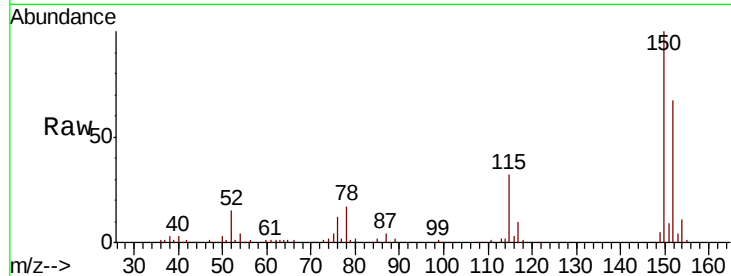
Tot Ion:152 Resp: 153688

Ion Ratio Lower Upper

152 100

115 47.5 30.9 92.7

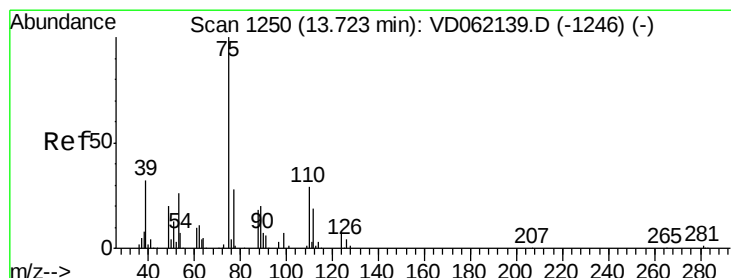
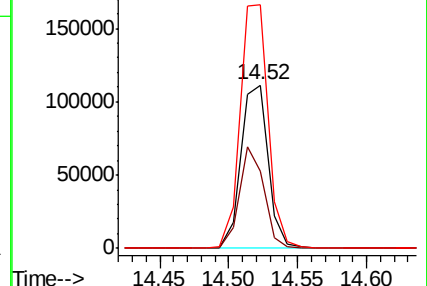
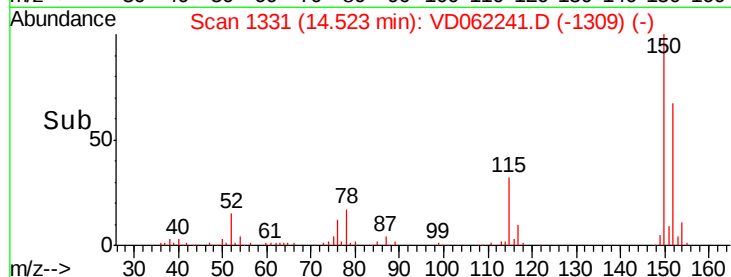
150 149.3 0.0 314.8



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: 39.007 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062241.D

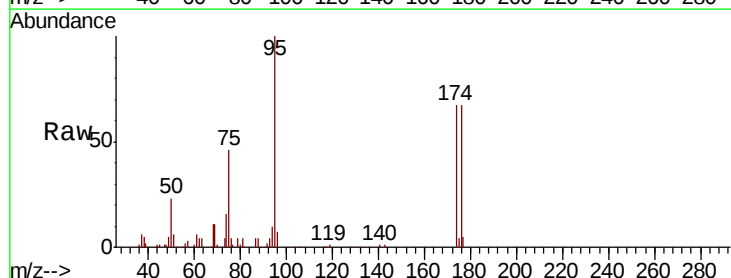
Acq: 11 May 2019 16:59

Tgt Ion: 75 Resp: 71245

Ion Ratio Lower Upper

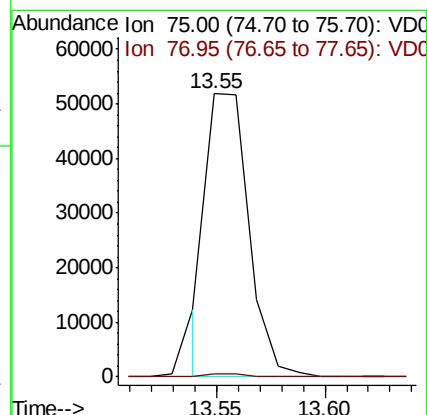
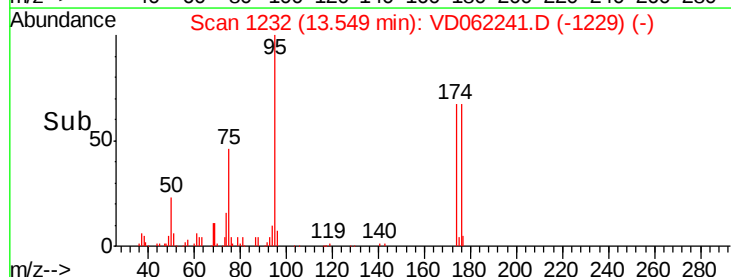
75 100

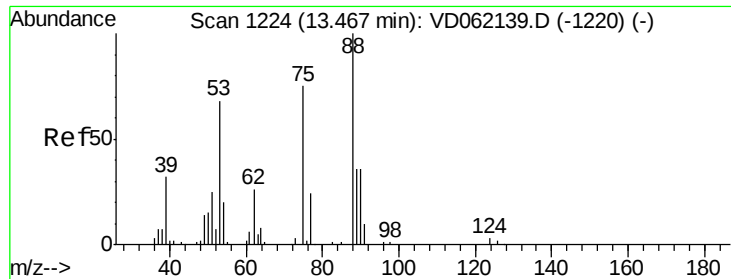
77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 152.995 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062241.D

Acq: 11 May 2019 16:59

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0206-01RE

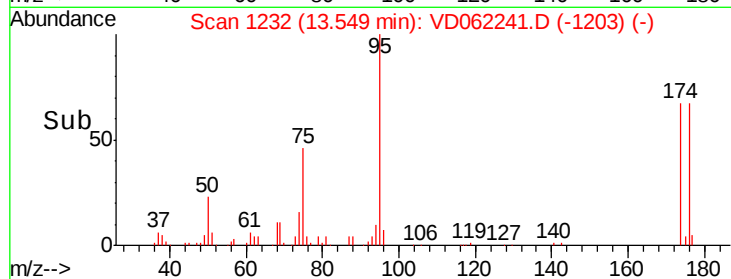
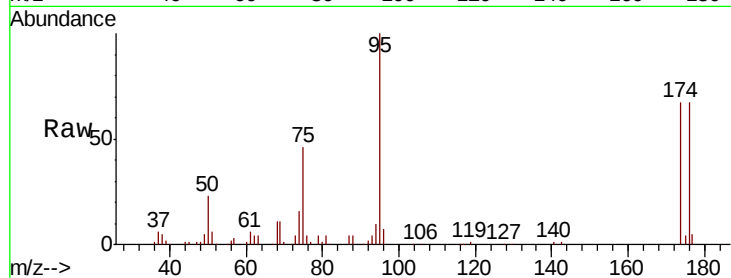
Tot Ion: 75 Resp: 78887

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

