

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061548.D
 Acq On : 3 Apr 2019 9:38
 Operator : VA/AP
 Sample : K2219-01
 Misc : 3.82g/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 00:55:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	468339	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	781766	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	631714	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	216348	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	222695	55.66	ug/l	0.03
Spiked Amount	50.000		Recovery	=	111.32%	
35) Dibromofluoromethane	6.94	113	313761	52.52	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.41	98	670692	46.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	13.56	95	222608	40.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	81.02%	

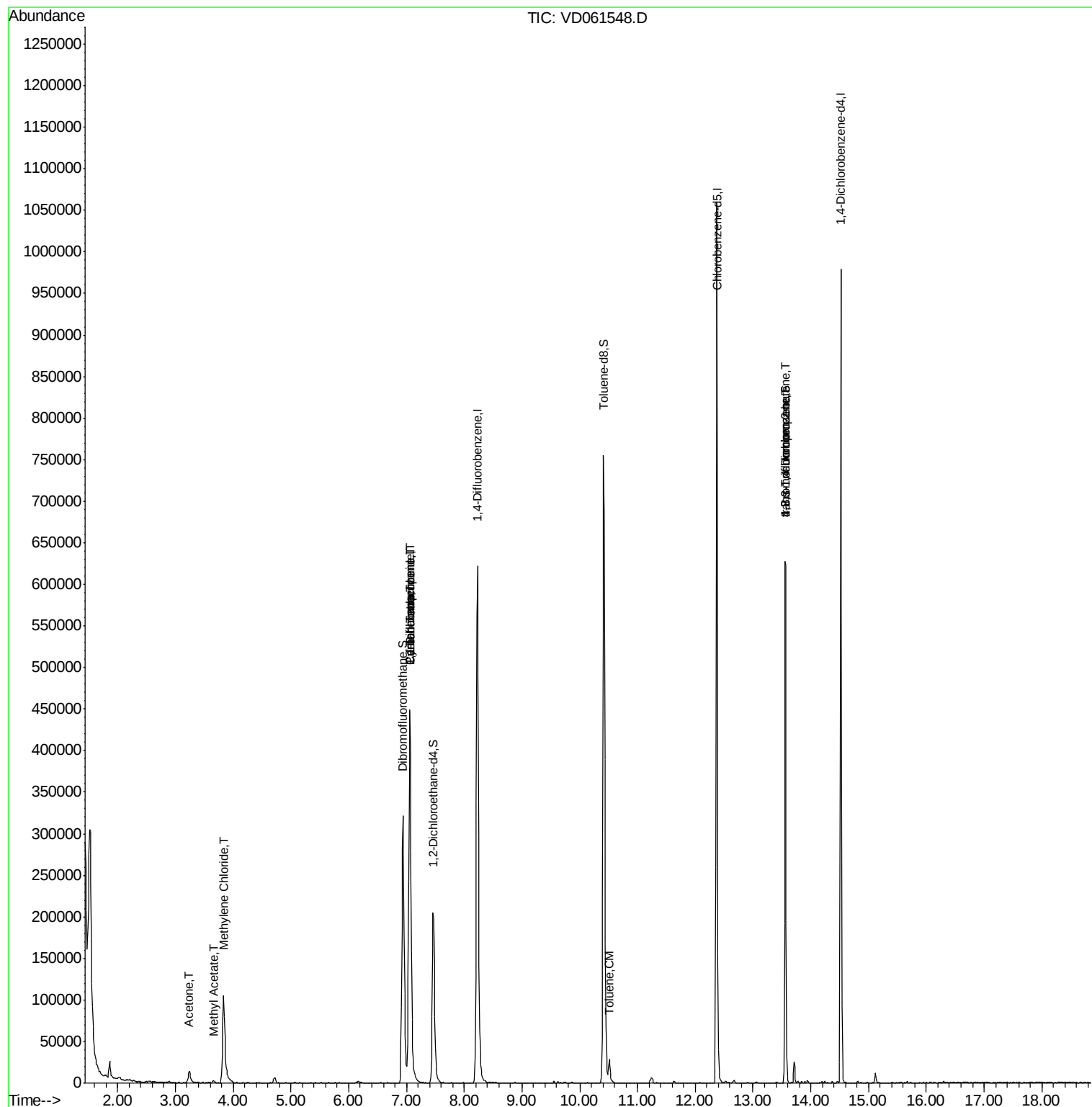
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	30565	29.719	ug/l	100
18) Methyl Acetate	3.66	43	5322	2.461	ug/l	97
20) Methylene Chloride	3.84	84	83775	13.125	ug/l	97
31) Cyclohexane	7.05	56	8898	1.291	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	35380	5.185	ug/l #	46
38) Carbon Tetrachloride	7.06	117	47687	6.082	ug/l #	13
52) Toluene	10.51	92	14581	1.396	ug/l	91
76) 1,2,3-Trichloropropane	13.56	75	71822	22.982	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	85504	89.733	ug/l #	18

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

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

Instrument :

MSVOA_D

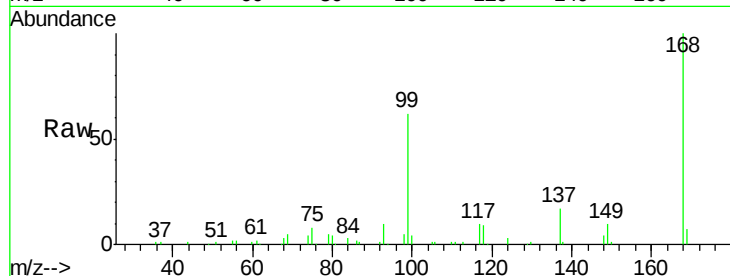
ClientSampleId :

Tot Ion:168 Resp: 468339

Ion Ratio Lower Upper

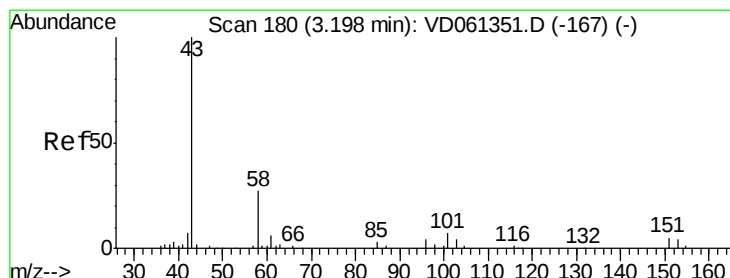
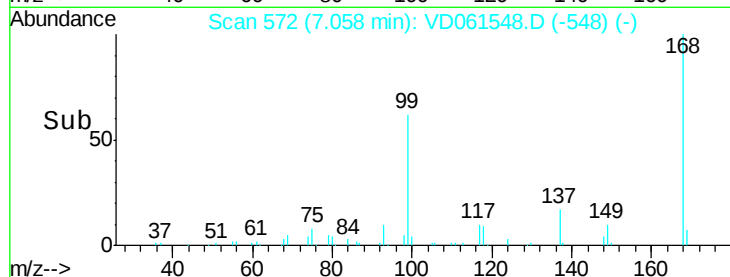
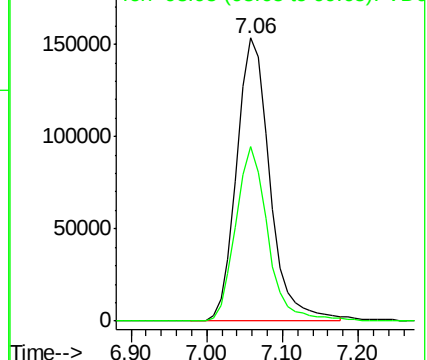
168 100

99 61.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 29.719 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061548.D

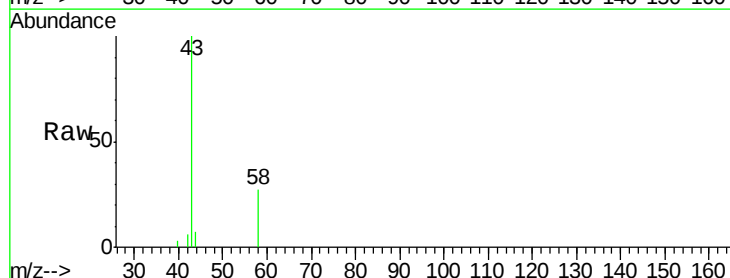
Acq: 3 Apr 2019 9:38

Tgt Ion: 43 Resp: 30565

Ion Ratio Lower Upper

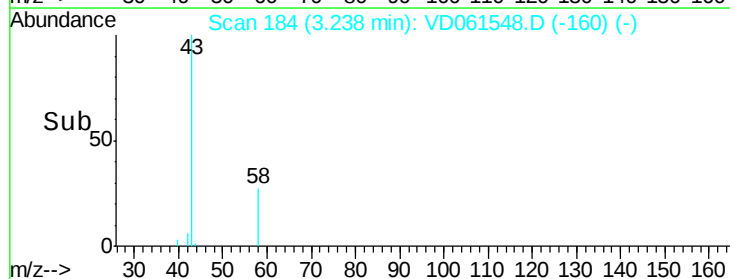
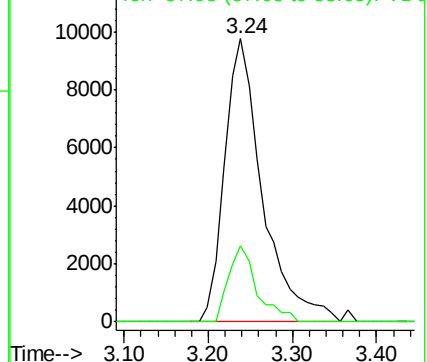
43 100

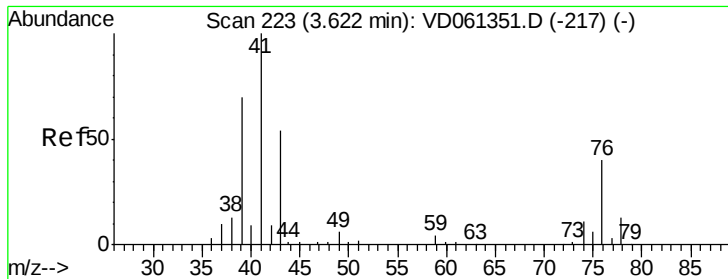
58 26.7 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

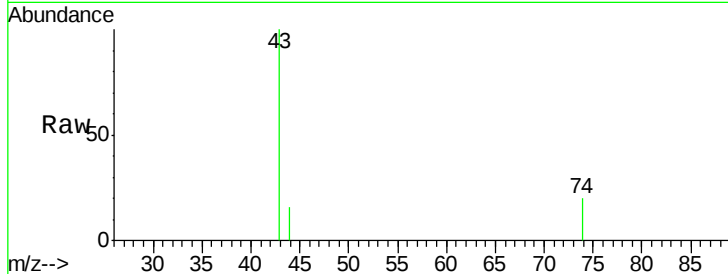




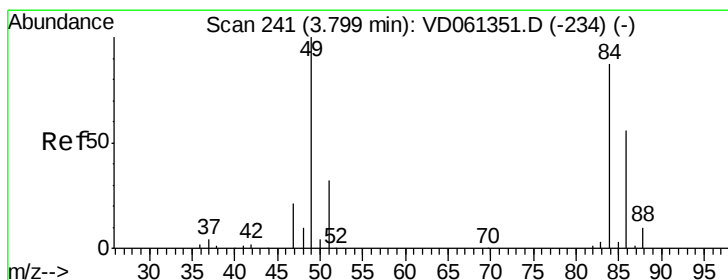
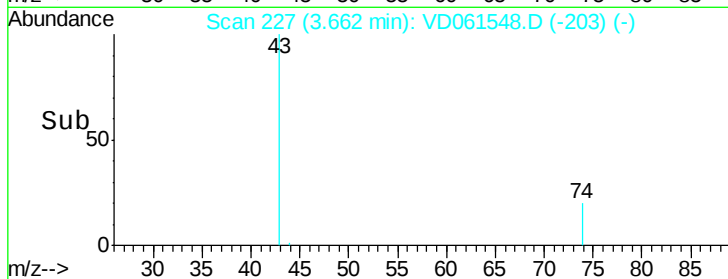
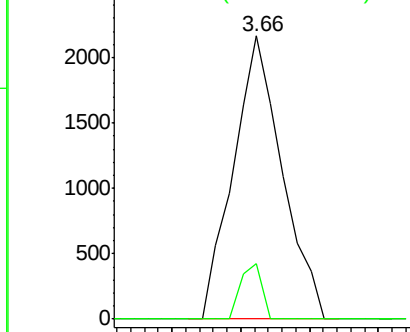
#18
Methyl Acetate
Concen: 2.461 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD061548.D
Acq: 3 Apr 2019 9:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 5322
Ion Ratio Lower Upper
43 100
74 19.5 16.7 25.1

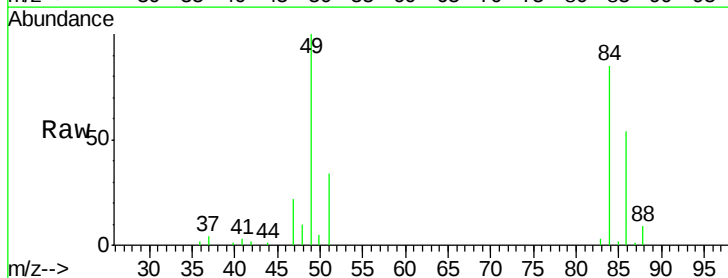


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

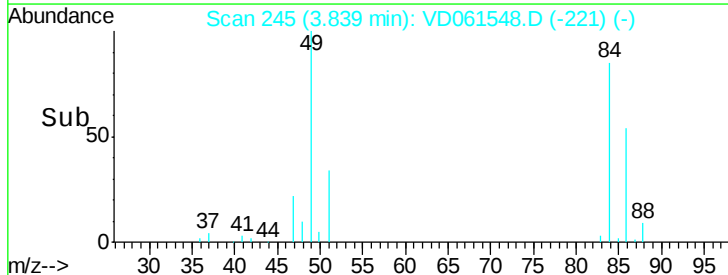
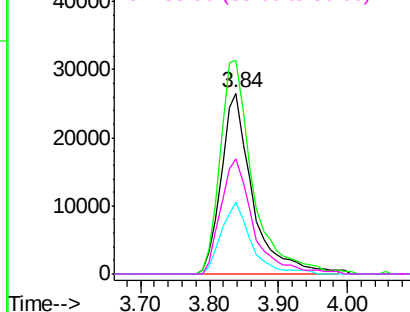


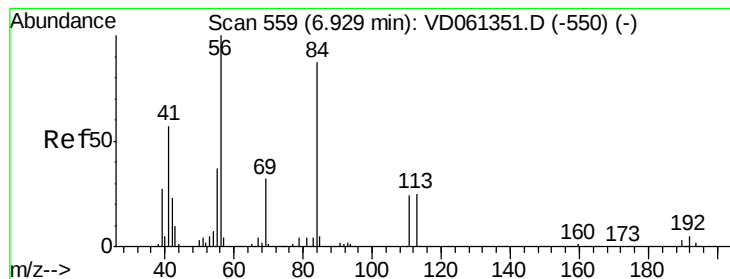
#20
Methylene Chloride
Concen: 13.125 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061548.D
Acq: 3 Apr 2019 9:38

Tgt Ion: 84 Resp: 83775
Ion Ratio Lower Upper
84 100
49 118.0 91.8 137.8
51 39.7 29.8 44.8
86 63.5 51.8 77.6



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





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.12 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

Instrument :

MSVOA_D

ClientSampled :

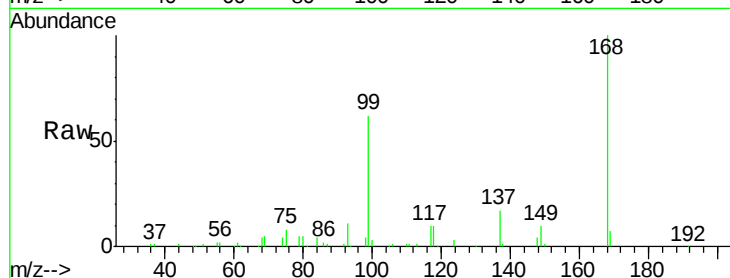
Tot Ion: 56 Resp: 8898

Ion Ratio Lower Upper

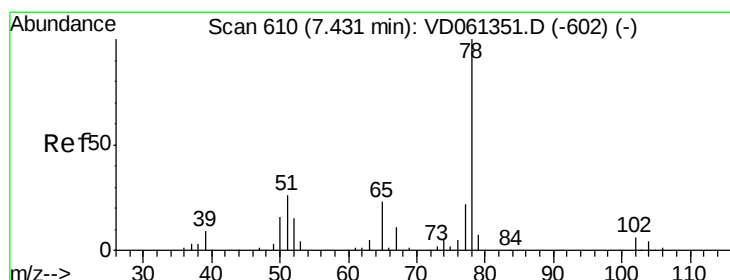
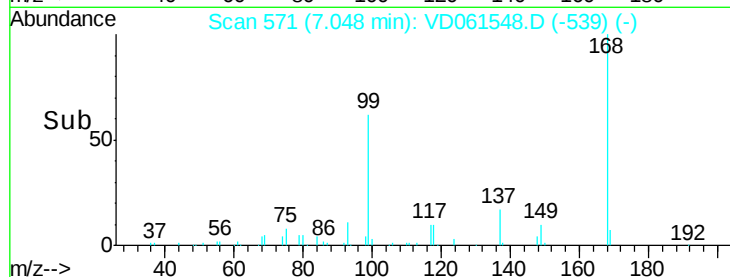
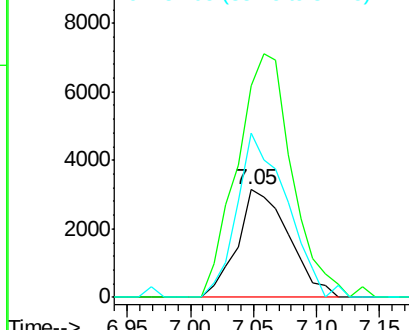
56 100

69 196.8 25.7 38.5#

84 153.0 70.6 105.8#



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. 0.03 min

Lab File: VD061548.D

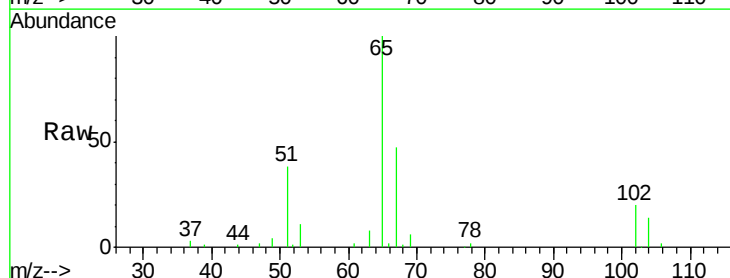
Acq: 3 Apr 2019 9:38

Tgt Ion: 65 Resp: 222695

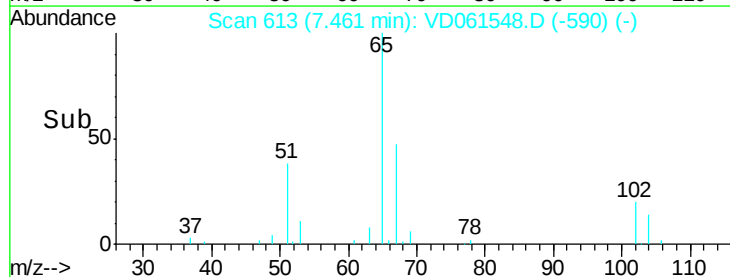
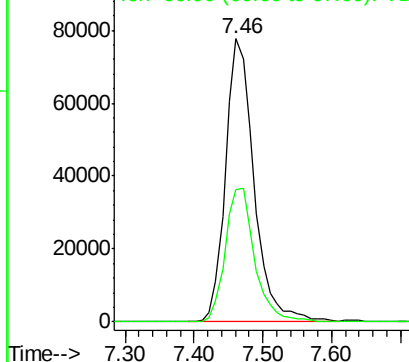
Ion Ratio Lower Upper

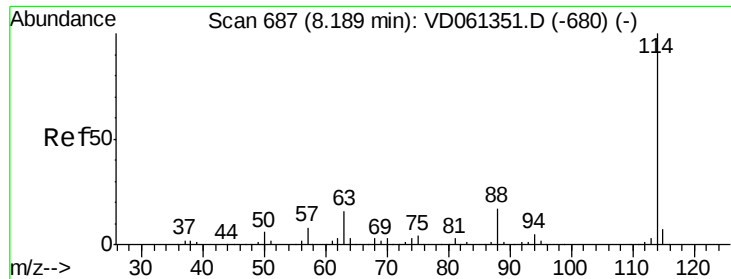
65 100

67 46.6 0.0 99.8



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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

Instrument :
MSVOA_D
ClientSampleId :

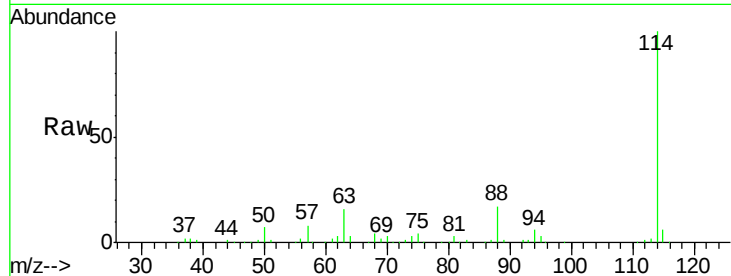
Tot Ion:114 Resp: 781766

Ion Ratio Lower Upper

114 100

63 16.4 0.0 31.6

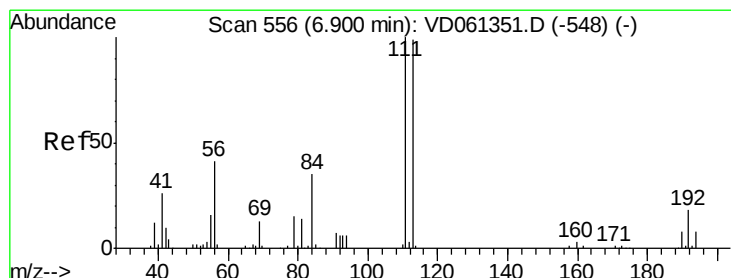
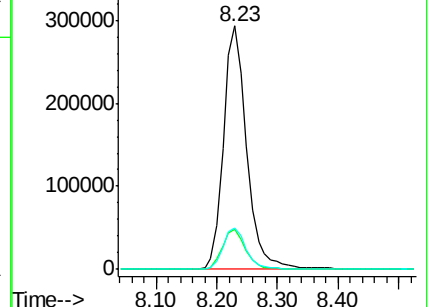
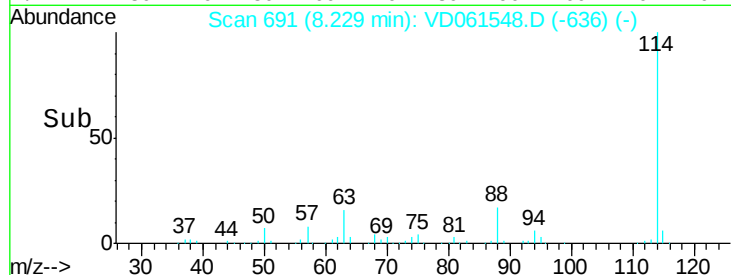
88 16.9 0.0 33.4



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: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

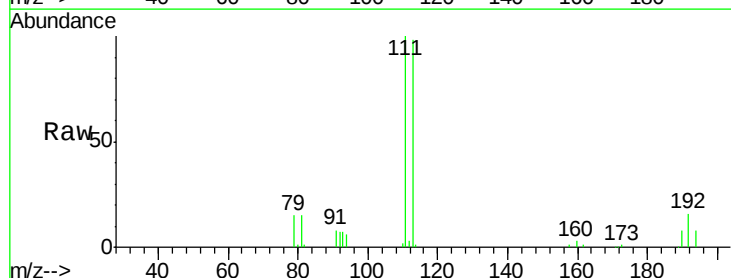
Tgt Ion:113 Resp: 313761

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.6

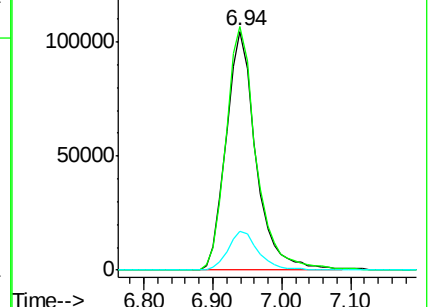
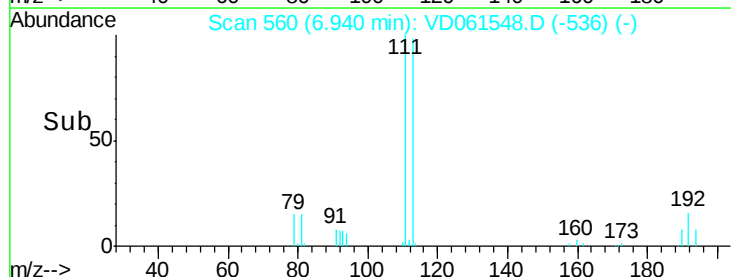
192 16.3 14.4 21.6

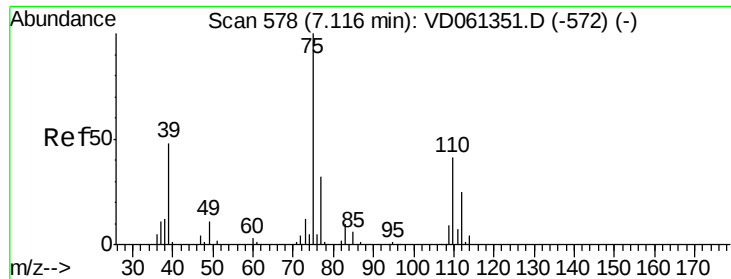


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

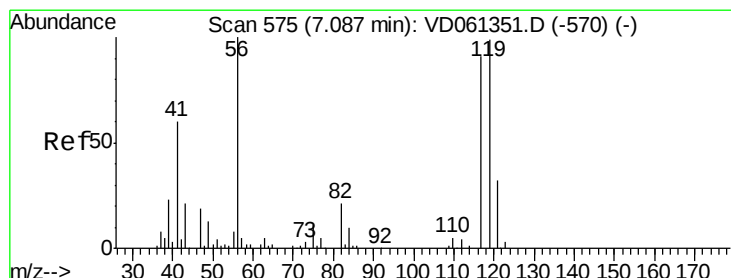
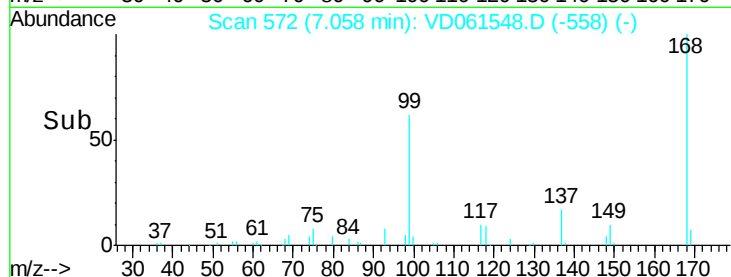
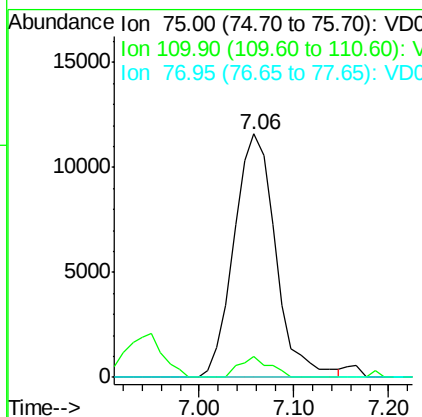
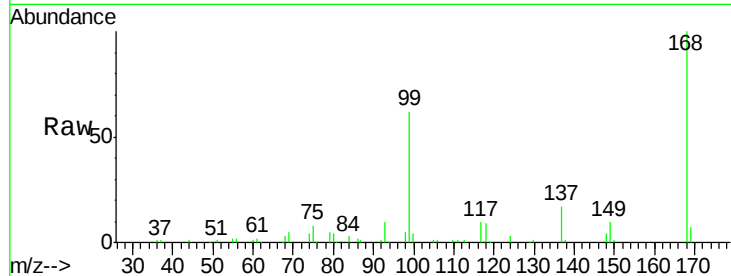




#36
 1,1-Dichloropropene
 Concen: 5.185 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061548.D
 Acq: 3 Apr 2019 9:38

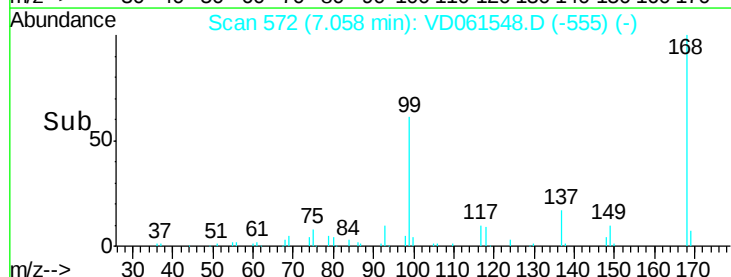
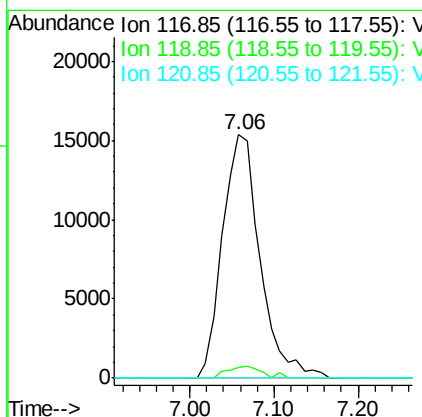
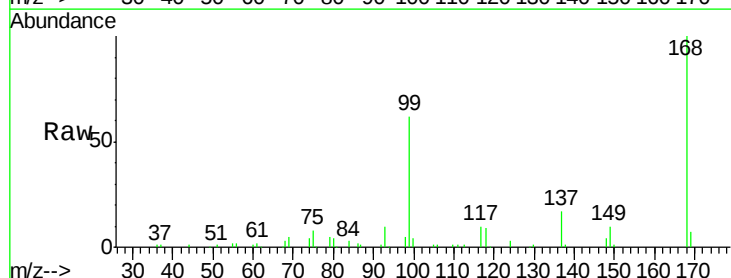
Instrument :
 MSVOA_D
 ClientSampled :

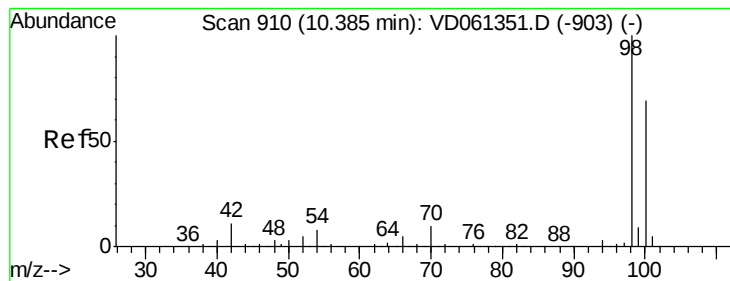
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.082 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.03 min
 Lab File: VD061548.D
 Acq: 3 Apr 2019 9:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	80.1	120.1#
121	0.0	25.6	38.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

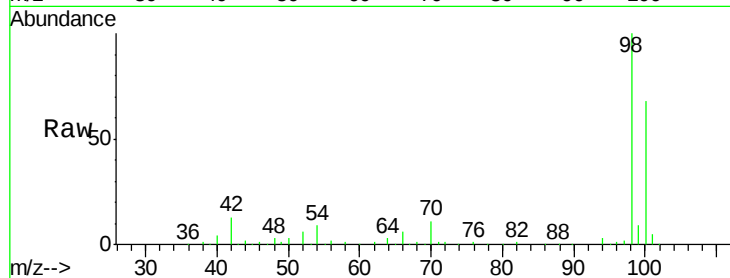
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 670692

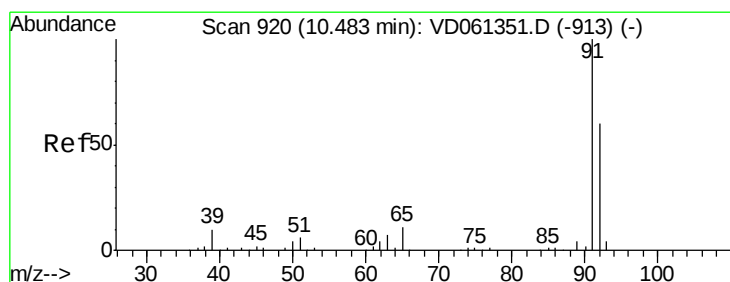
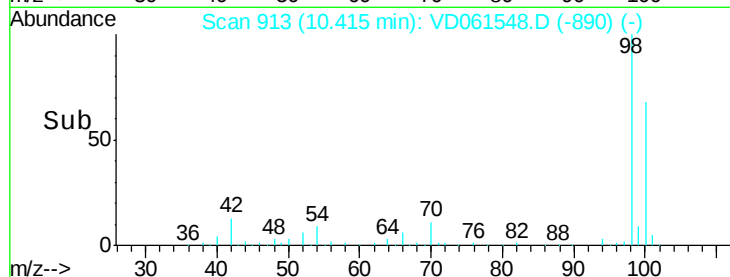
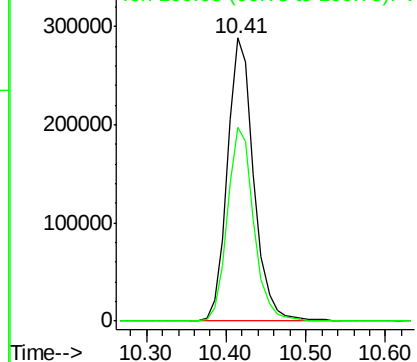
Ion Ratio Lower Upper

98 100

100 68.5 56.2 84.2



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



#52

Toluene

Concen: 1.396 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061548.D

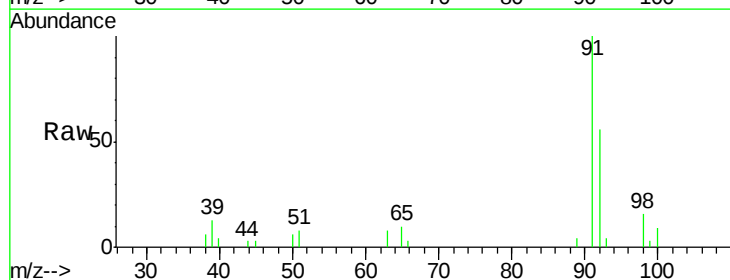
Acq: 3 Apr 2019 9:38

Tgt Ion: 92 Resp: 14581

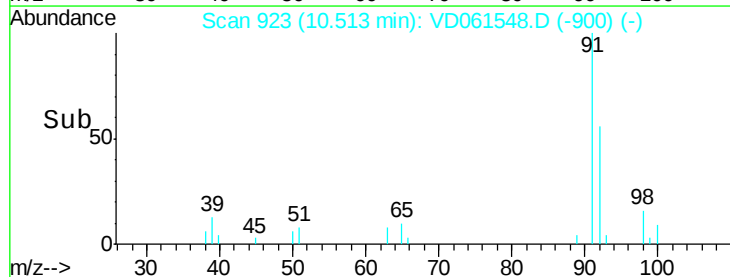
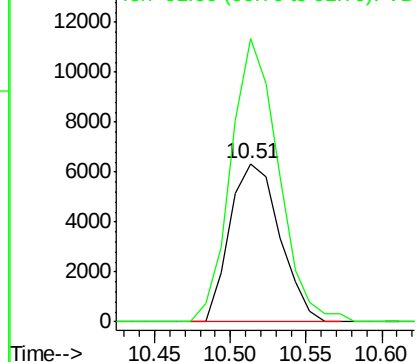
Ion Ratio Lower Upper

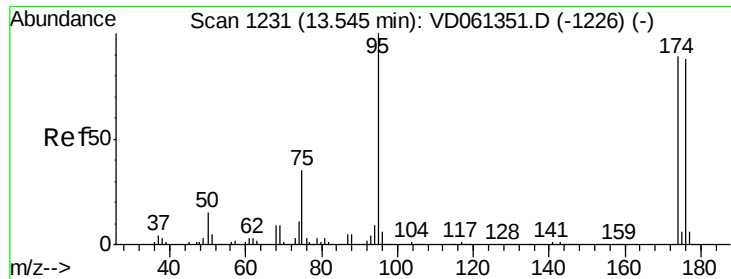
92 100

91 178.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

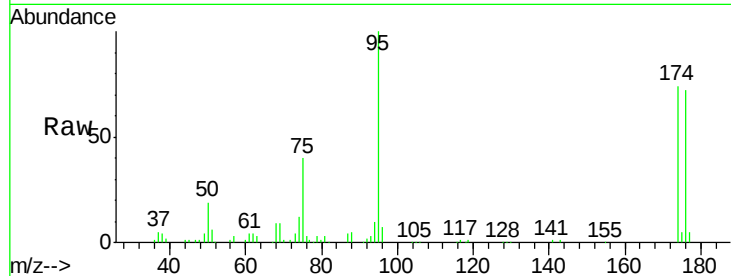




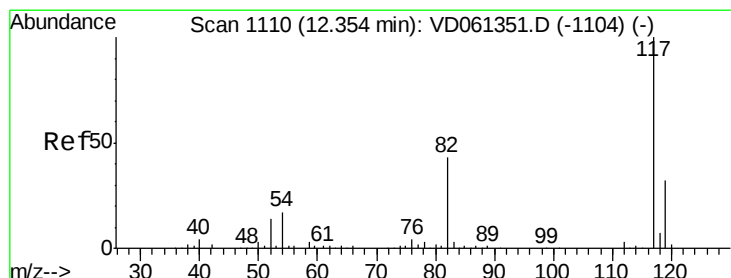
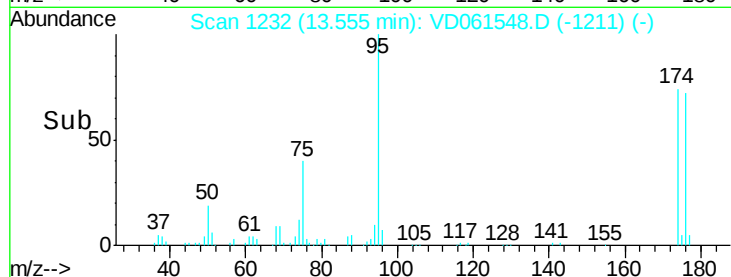
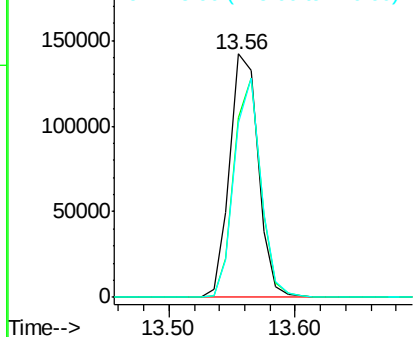
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061548.D
Acq: 3 Apr 2019 9:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 222608
Ion Ratio Lower Upper
95 100
174 73.6 0.0 178.0
176 71.5 0.0 175.0

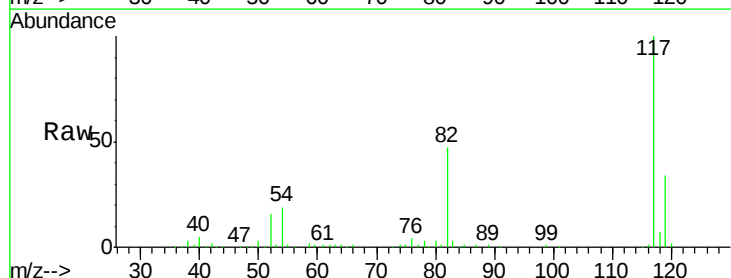


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

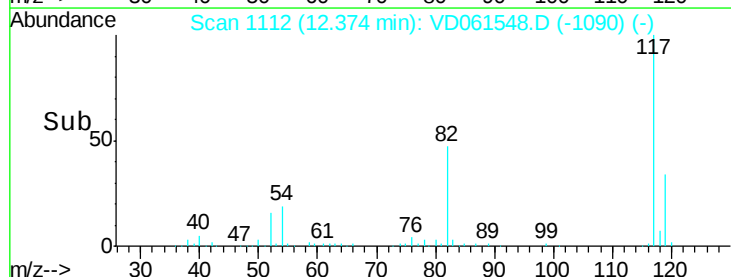
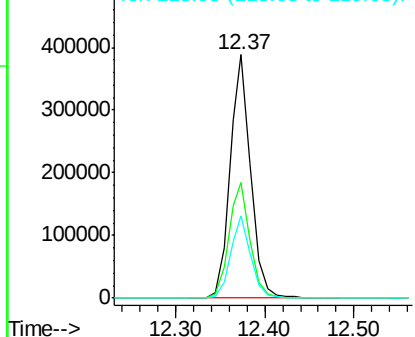


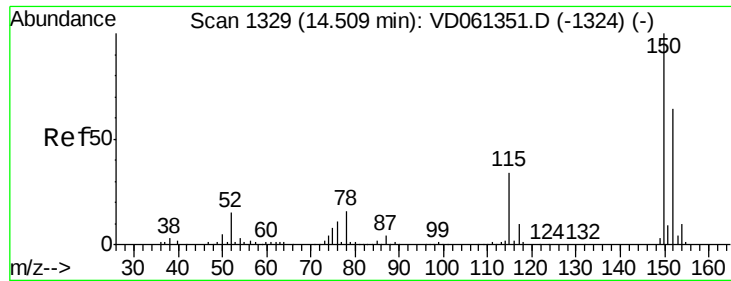
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061548.D
Acq: 3 Apr 2019 9:38

Tgt Ion: 117 Resp: 631714
Ion Ratio Lower Upper
117 100
82 47.3 34.4 51.6
119 33.6 25.8 38.6



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. 0.01 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

Instrument :

MSVOA_D

ClientSampleId :

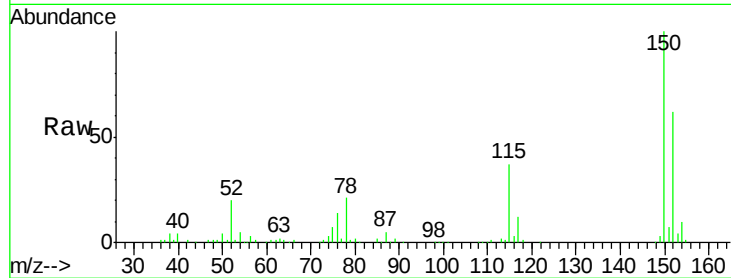
Tot Ion:152 Resp: 216348

Ion Ratio Lower Upper

152 100

115 60.3 26.9 80.6

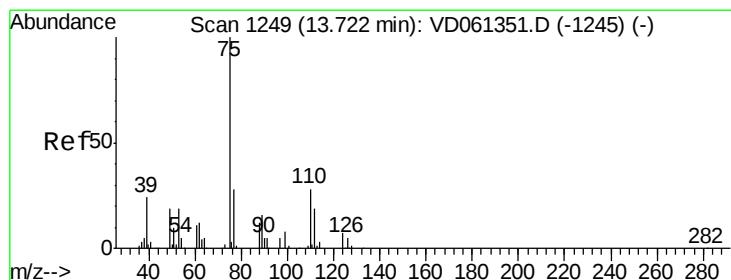
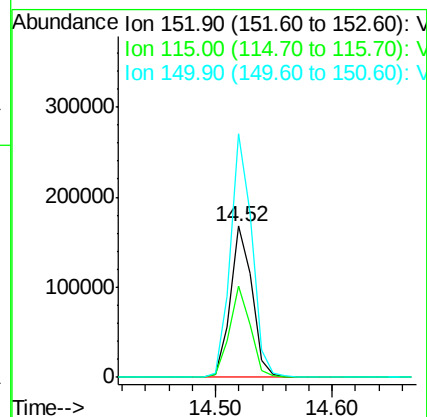
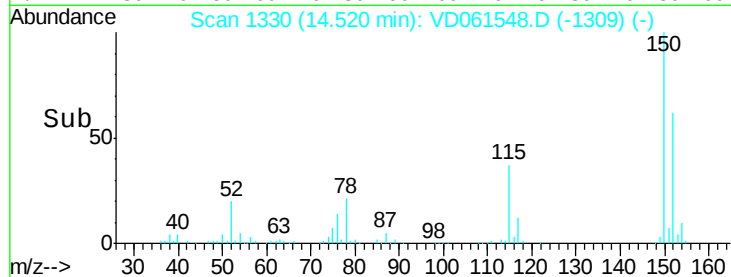
150 161.4 0.0 318.0



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: 22.982 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061548.D

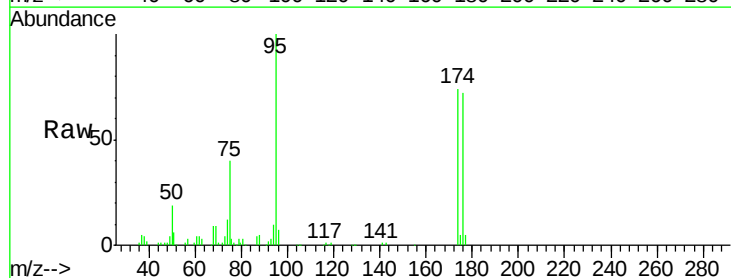
Acq: 3 Apr 2019 9:38

Tgt Ion: 75 Resp: 71822

Ion Ratio Lower Upper

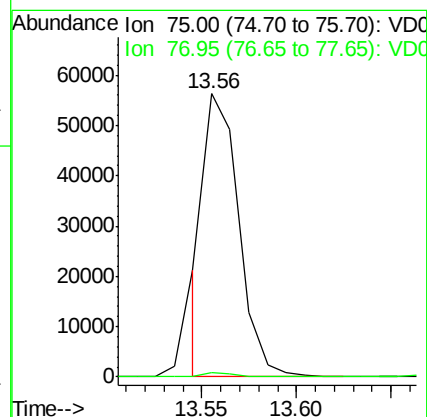
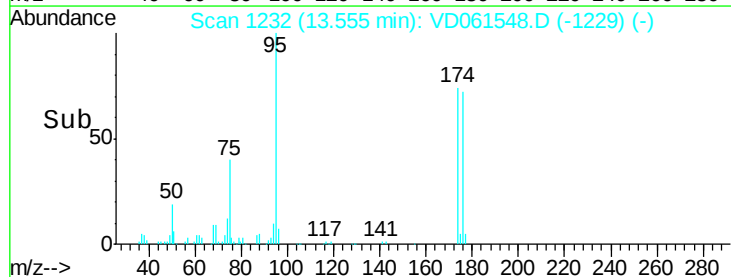
75 100

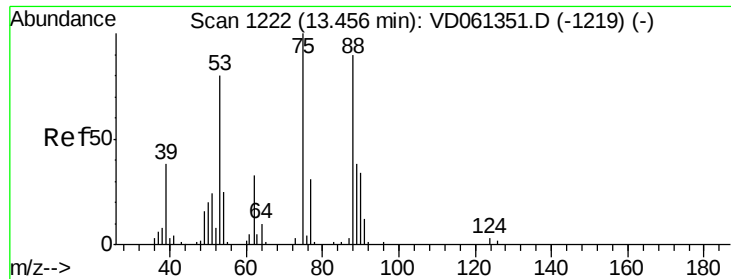
77 1.8 16.2 48.5#



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: 89.733 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061548.D

Acq: 3 Apr 2019 9:38

Instrument :

MSVOA_D

ClientSampleId :

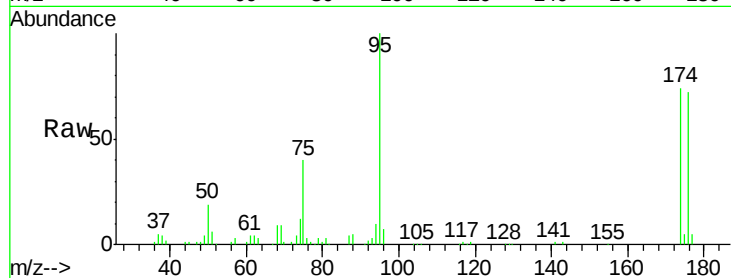
Tot Ion: 75 Resp: 85504

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

