

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061450.D
 Acq On : 31 Mar 2019 16:46
 Operator : VA/AP
 Sample : K2153-25RE
 Misc : 11.12g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:54:44 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

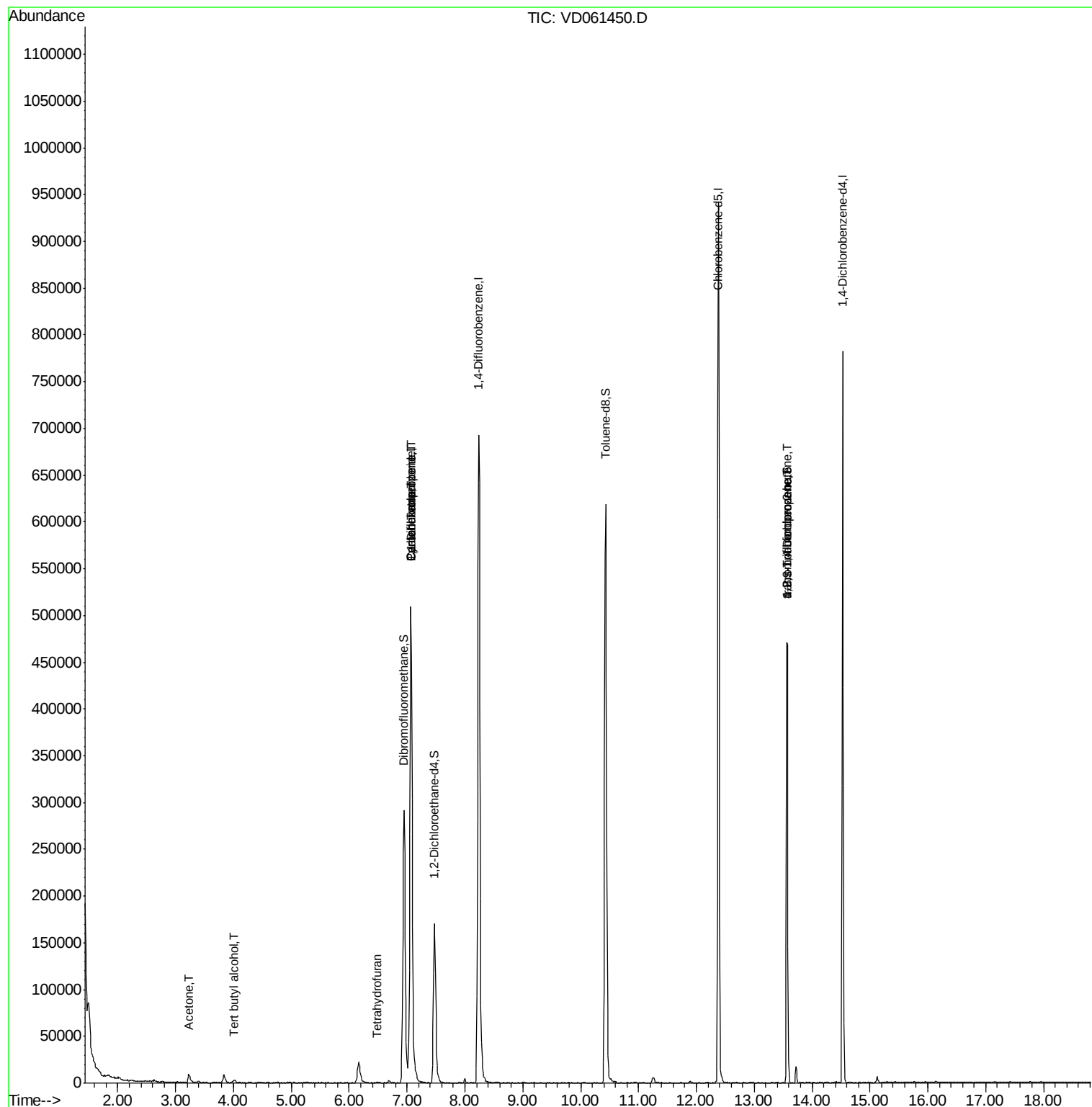
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	538239	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	892516	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	609973	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	174506	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	169307	36.82	ug/l	0.04
Spiked Amount 50.000			Recovery	=	73.64%	
35) Dibromofluoromethane	6.95	113	276021	40.47	ug/l	0.05
Spiked Amount 50.000			Recovery	=	80.94%	
50) Toluene-d8	10.43	98	557459	34.08	ug/l	0.05
Spiked Amount 50.000			Recovery	=	68.16%	
62) 4-Bromofluorobenzene	13.56	95	167841	26.76	ug/l	0.02
Spiked Amount 50.000			Recovery	=	53.52%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.99	59	2333	8.148	ug/l #	76
16) Acetone	3.23	43	18145	15.352	ug/l	98
20) Methylene Chloride	3.83	84	7258	Below Cal	#	84
29) Tetrahydrofuran	6.48	42	1012	1.404	ug/l #	30
31) Cyclohexane	7.07	56	8104	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	38114	4.893	ug/l #	45
38) Carbon Tetrachloride	7.07	117	51196	5.720	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	61251	24.298	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	62019	80.692	ug/l #	18

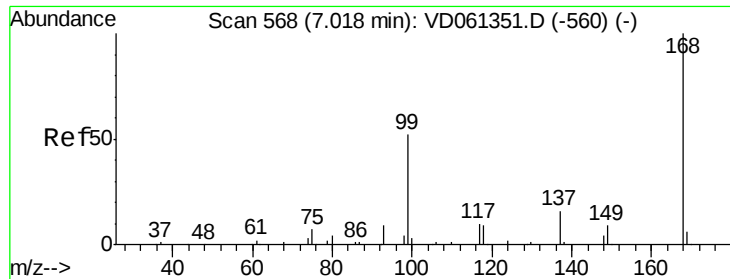
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Apr 01 01:54:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

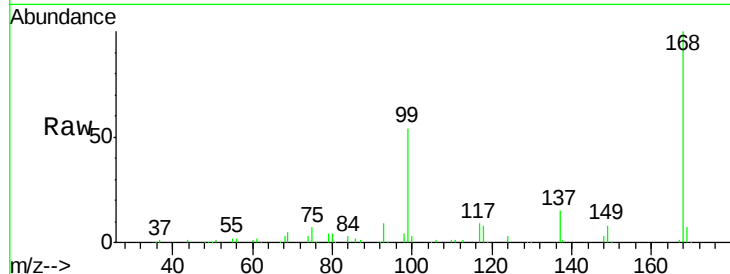
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 538239

Ion Ratio Lower Upper

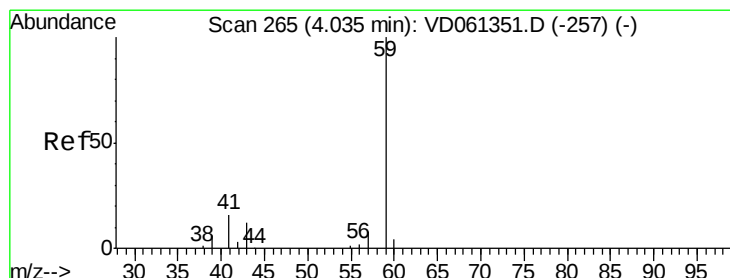
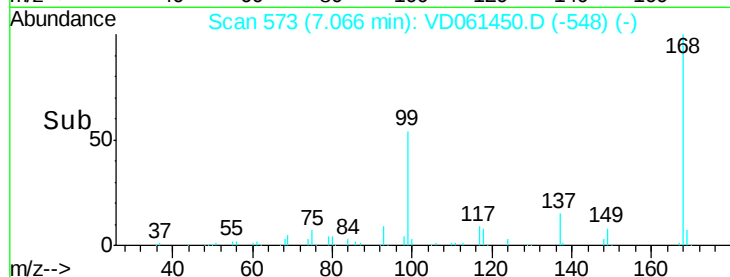
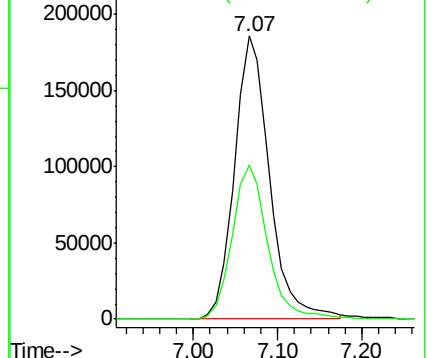
168 100

99 54.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 8.148 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.04 min

Lab File: VD061450.D

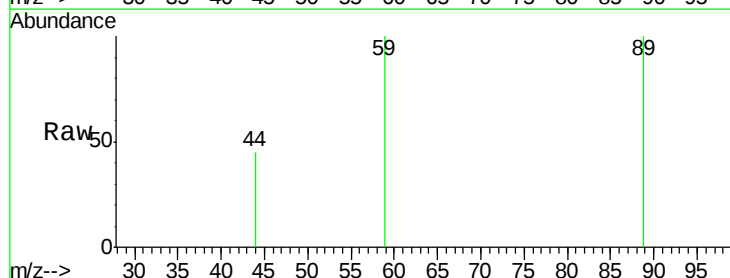
Acq: 31 Mar 2019 16:46

Tgt Ion: 59 Resp: 2333

Ion Ratio Lower Upper

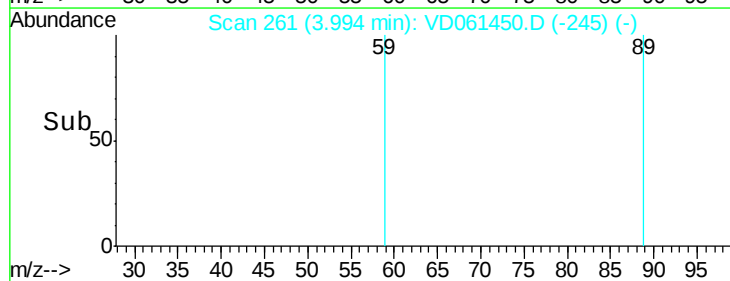
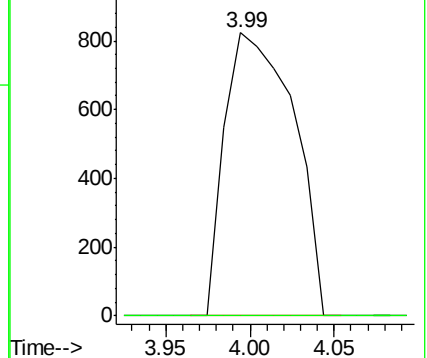
59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 15.352 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

Instrument :

MSVOA_D

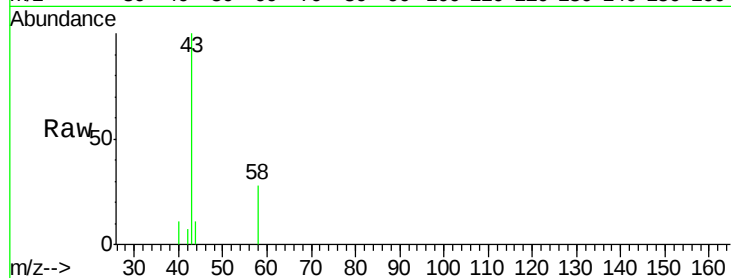
ClientSampleId :

Tot Ion: 43 Resp: 18145

Ion Ratio Lower Upper

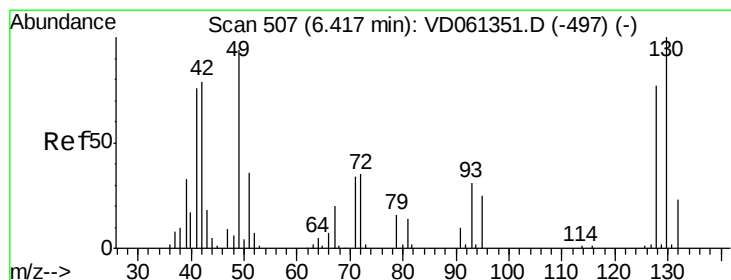
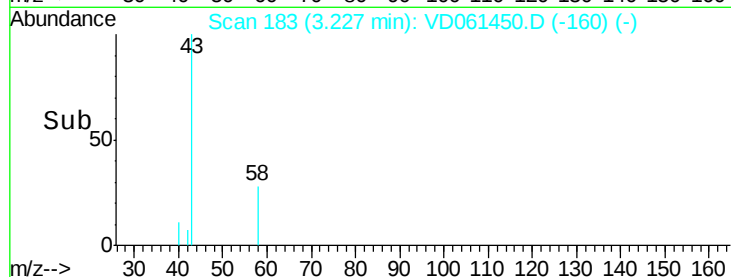
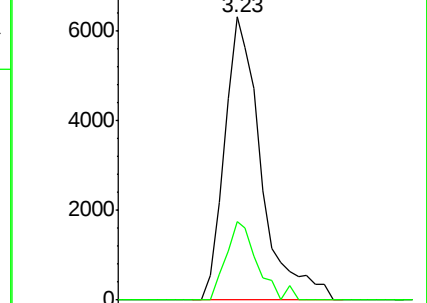
43 100

58 27.9 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.404 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.06 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

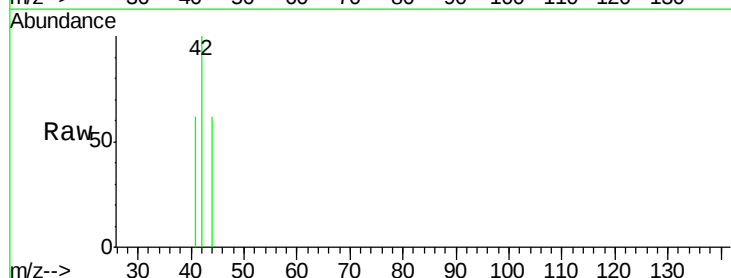
Tgt Ion: 42 Resp: 1012

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

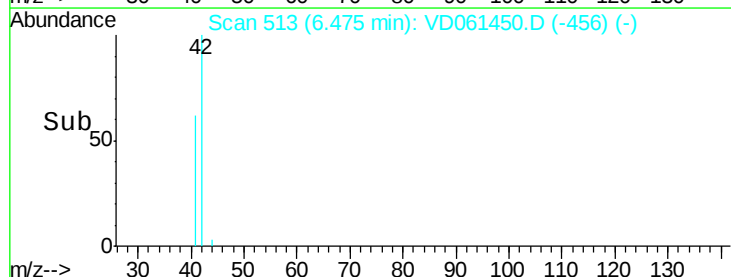
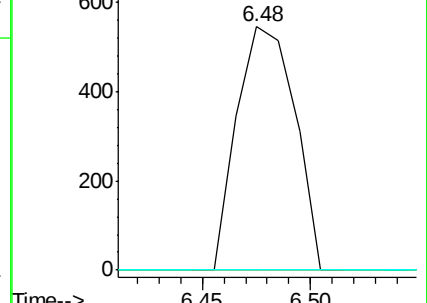
71 0.0 36.7 55.1#

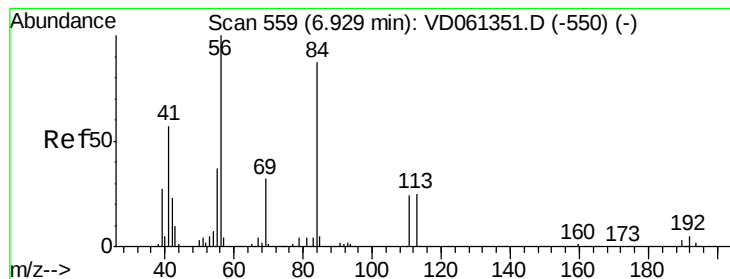


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cvclohexane

Concen: 1.023 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.14 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

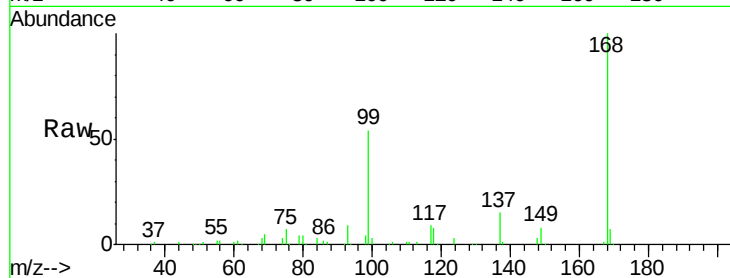
Tot Ion: 56 Resp: 8104

Ion Ratio Lower Upper

56 100

69 297.1 25.7 38.5#

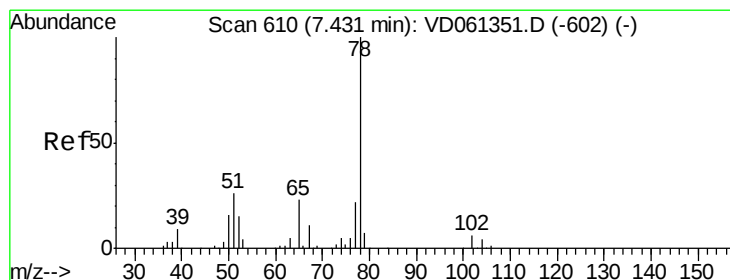
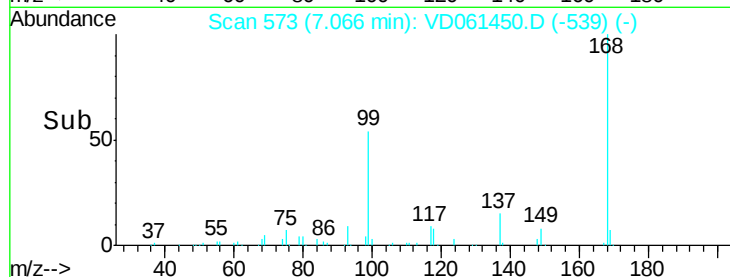
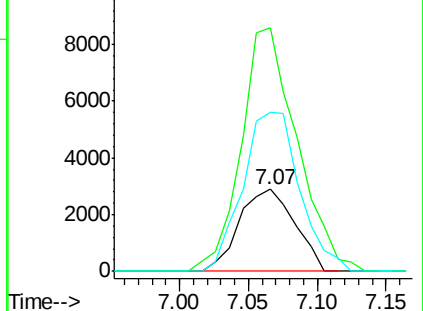
84 194.4 70.6 105.8#



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: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061450.D

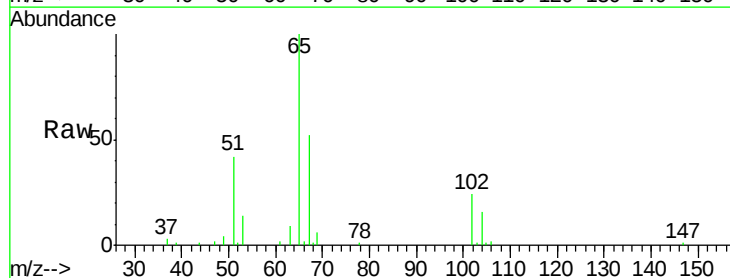
Acq: 31 Mar 2019 16:46

Tgt Ion: 65 Resp: 169307

Ion Ratio Lower Upper

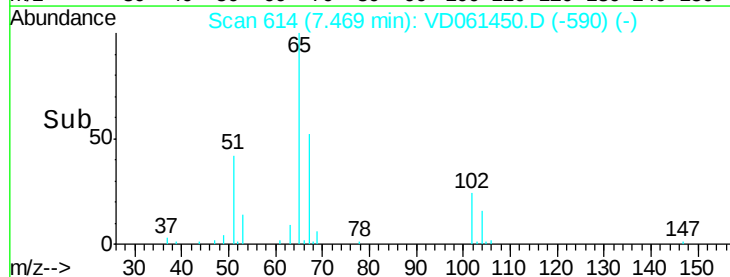
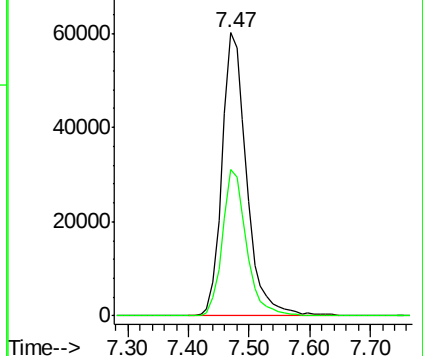
65 100

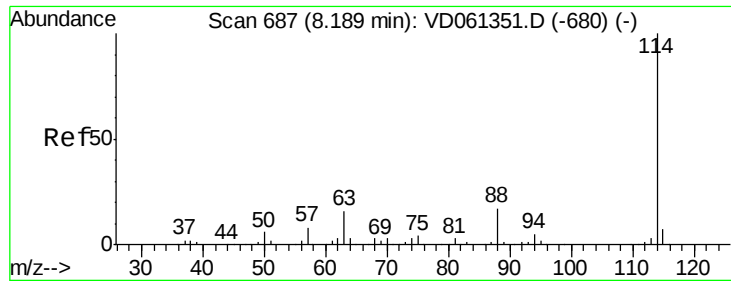
67 51.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

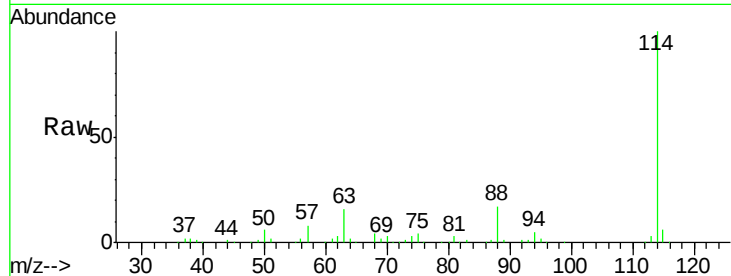




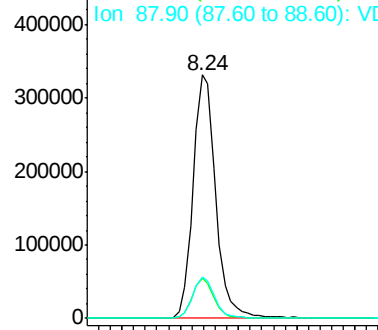
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061450.D
 Acq: 31 Mar 2019 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

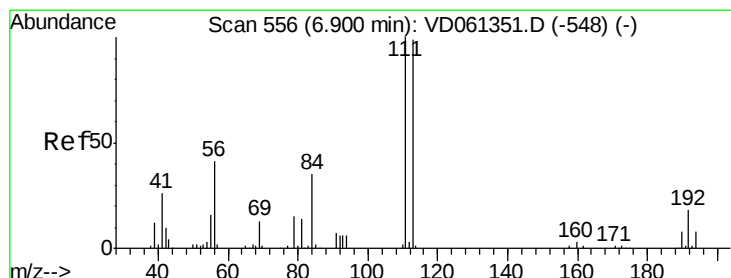
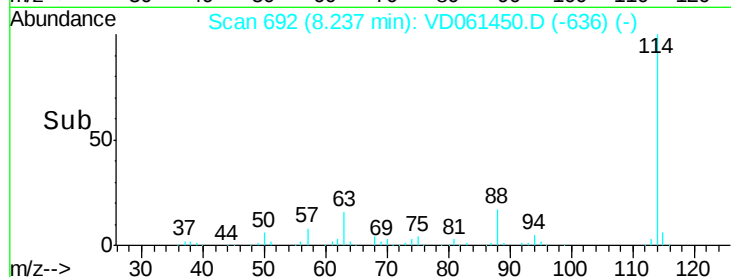
Tot Ion:114 Resp: 892516
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 16.8 0.0 33.4



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

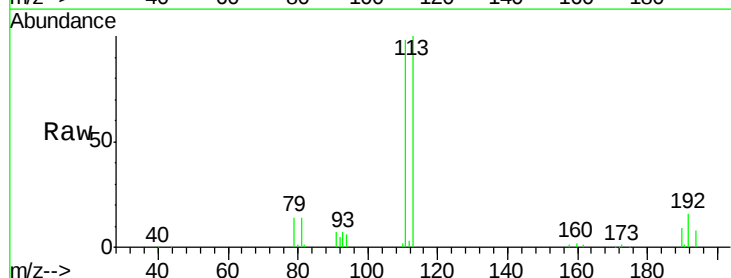


Time-->

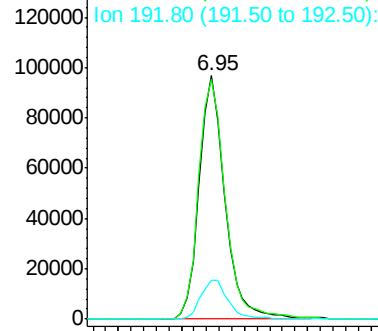


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061450.D
 Acq: 31 Mar 2019 16:46

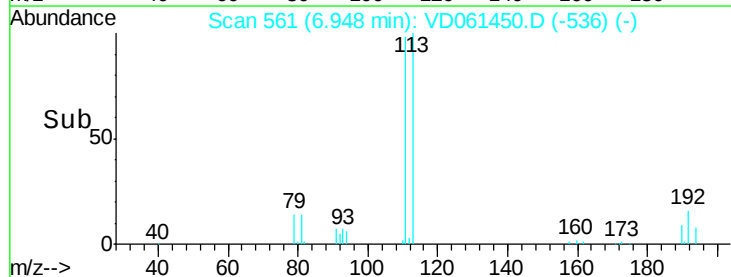
Tgt Ion:113 Resp: 276021
 Ion Ratio Lower Upper
 113 100
 111 98.2 81.0 121.6
 192 16.1 14.4 21.6

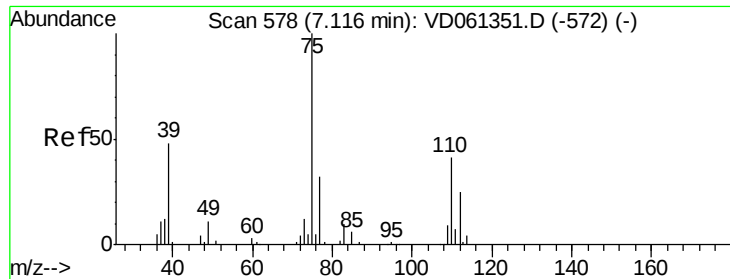


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V



Time-->

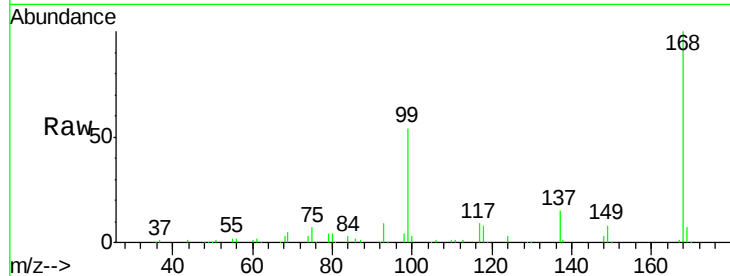




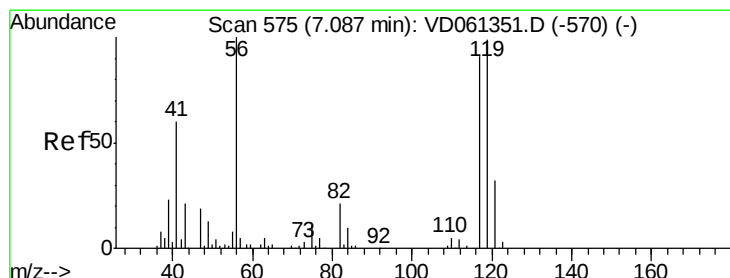
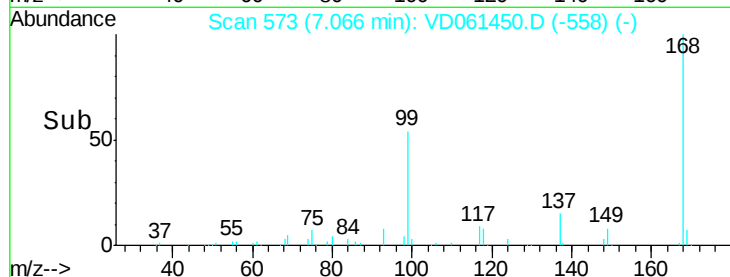
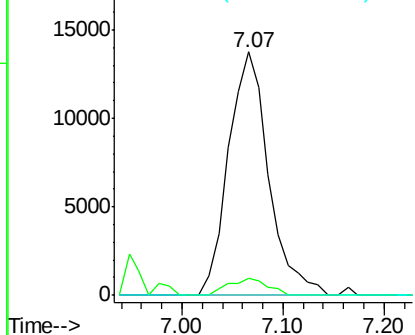
#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061450.D
 Acq: 31 Mar 2019 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	75	Resp	38114
Ion Ratio	Lower	Upper	
75	100		
110	7.2	20.4	61.3#
77	0.0	24.9	37.3#

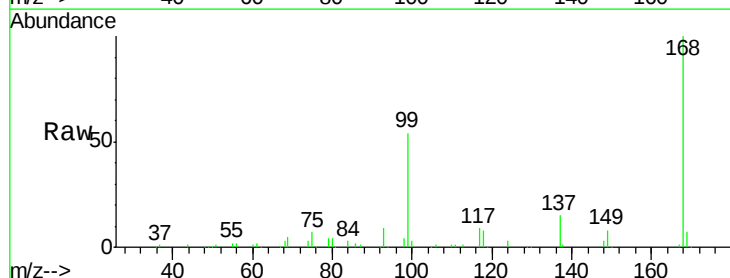


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

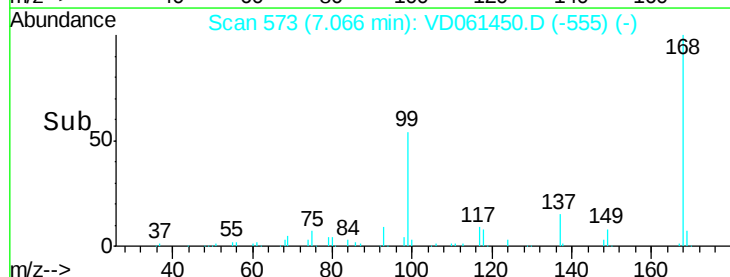
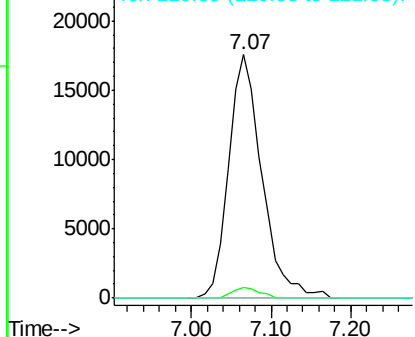


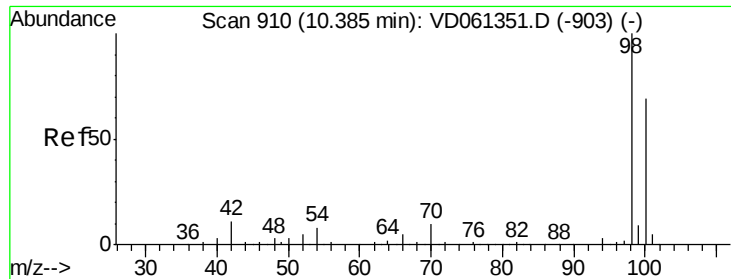
#38
 Carbon Tetrachloride
 Concen: 5.720 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD061450.D
 Acq: 31 Mar 2019 16:46

Tgt Ion	117	Resp	51196
Ion Ratio	Lower	Upper	
117	100		
119	4.3	80.1	120.1#
121	0.0	25.6	38.4#



Abundance Ion 116.85 (116.55 to 117.55): VDC
 Ion 118.85 (118.55 to 119.55): VDC
 Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.05 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

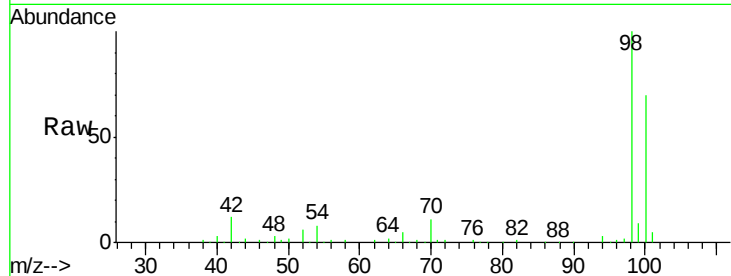
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 557459

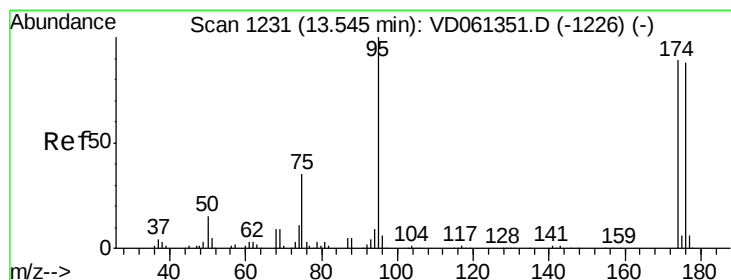
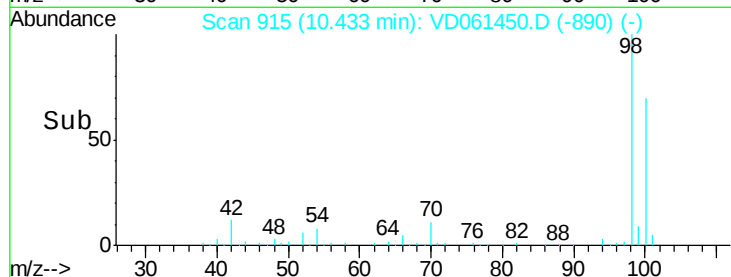
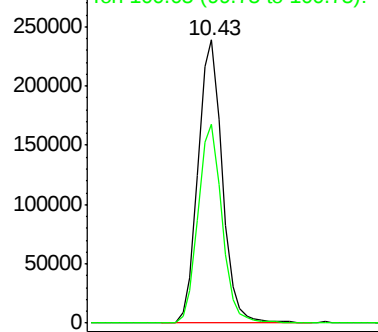
Ion Ratio Lower Upper

98 100

100 70.4 56.2 84.2



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



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

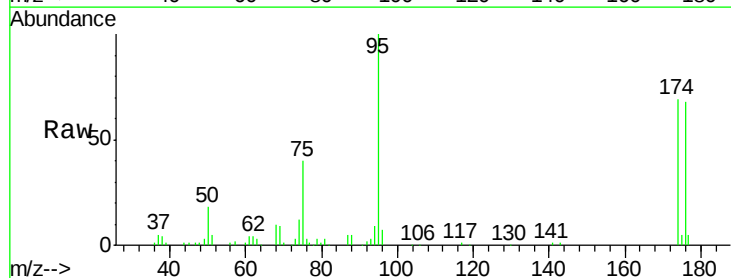
Tgt Ion: 95 Resp: 167841

Ion Ratio Lower Upper

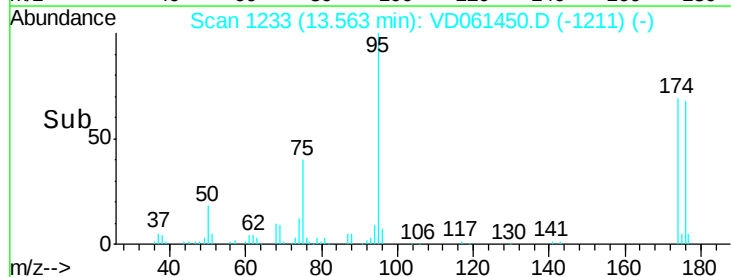
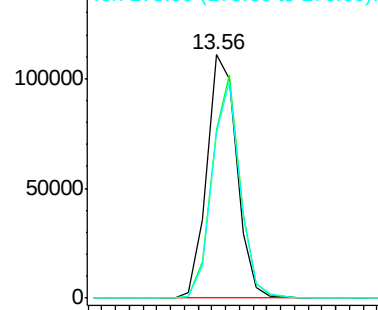
95 100

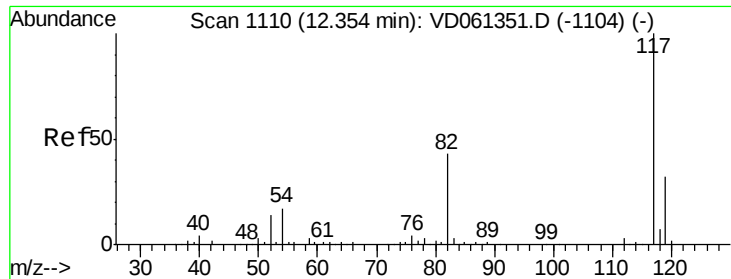
174 69.3 0.0 178.0

176 68.2 0.0 175.0



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

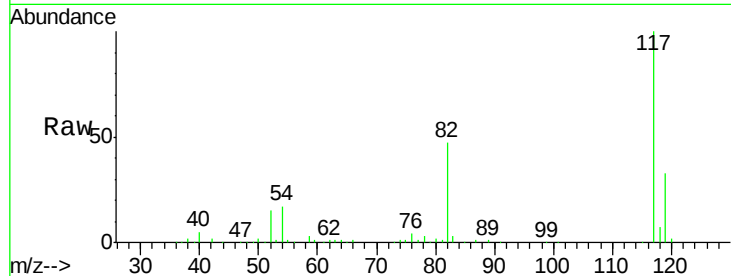




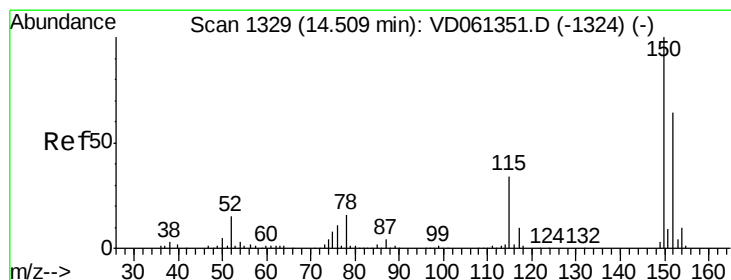
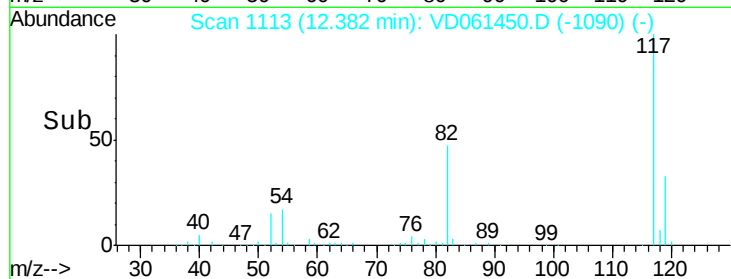
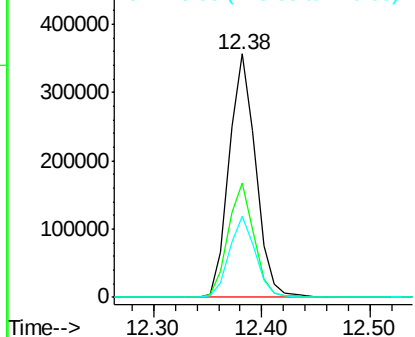
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061450.D
Acq: 31 Mar 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 609973
Ion Ratio Lower Upper
117 100
82 47.0 34.4 51.6
119 33.5 25.8 38.6

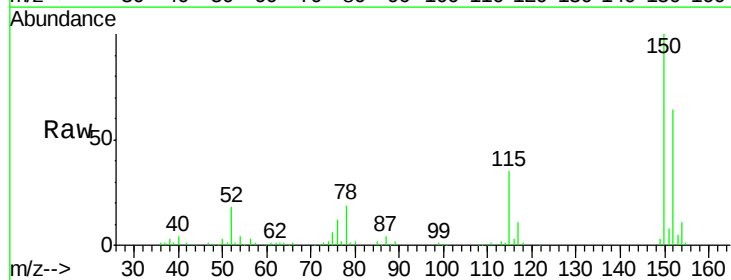


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

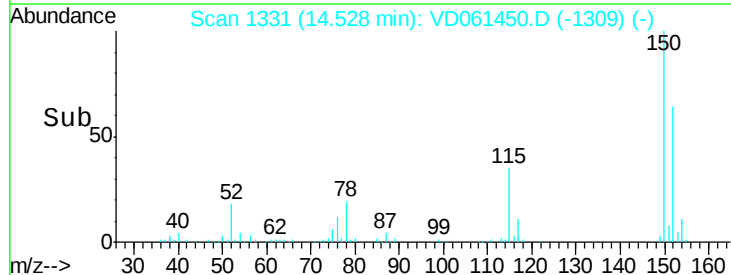
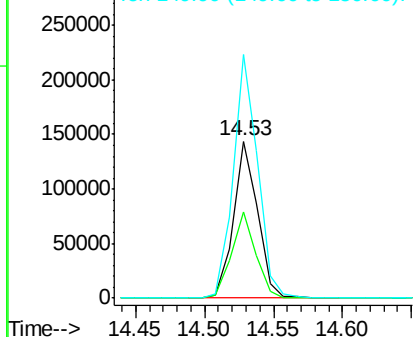


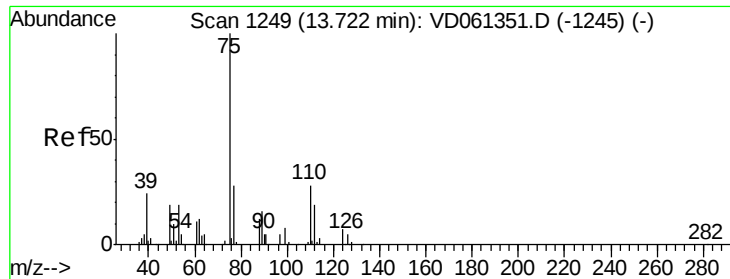
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061450.D
Acq: 31 Mar 2019 16:46

Tgt Ion:152 Resp: 174506
Ion Ratio Lower Upper
152 100
115 54.8 26.9 80.6
150 155.3 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: 24.298 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

Instrument :

MSVOA_D

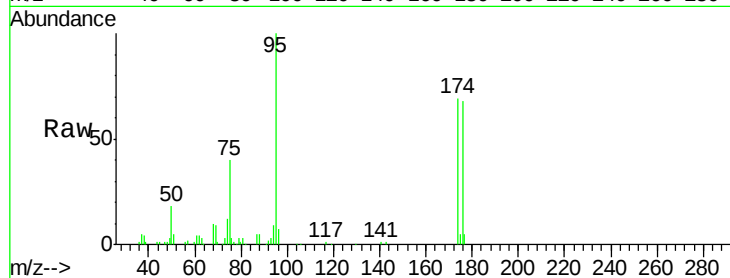
ClientSampleId :

Tot Ion: 75 Resp: 61251

Ion Ratio Lower Upper

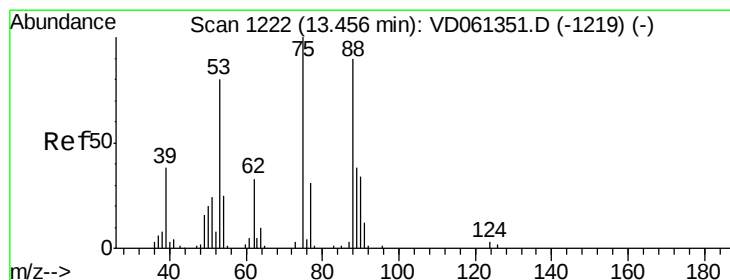
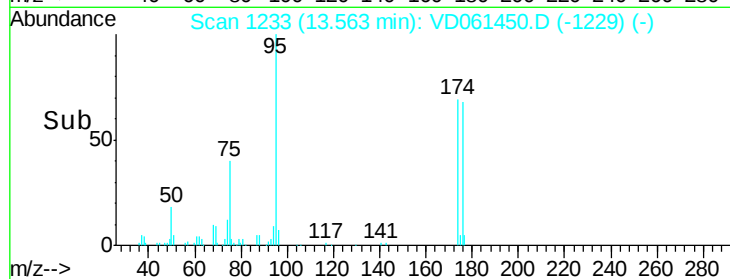
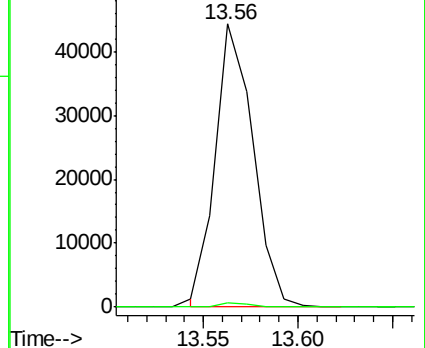
75 100

77 1.5 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: 80.692 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061450.D

Acq: 31 Mar 2019 16:46

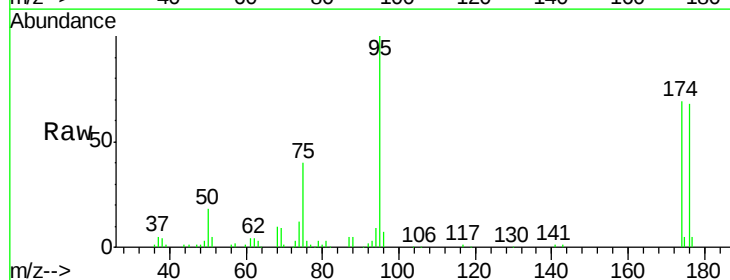
Tgt Ion: 75 Resp: 62019

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

