

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061485.D
 Acq On : 1 Apr 2019 22:54
 Operator : VA/AP
 Sample : K2186-07
 Misc : 6.30g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:21:31 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	7.04	168	106309	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	191716	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	186252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	80961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	72001	79.28	ug/l	0.00
Spiked Amount			Recovery	=	158.56%	
35) Dibromofluoromethane	6.91	113	77800	53.10	ug/l	0.01
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	10.40	98	163560	46.55	ug/l	0.01
Spiked Amount			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	13.55	95	76987	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	

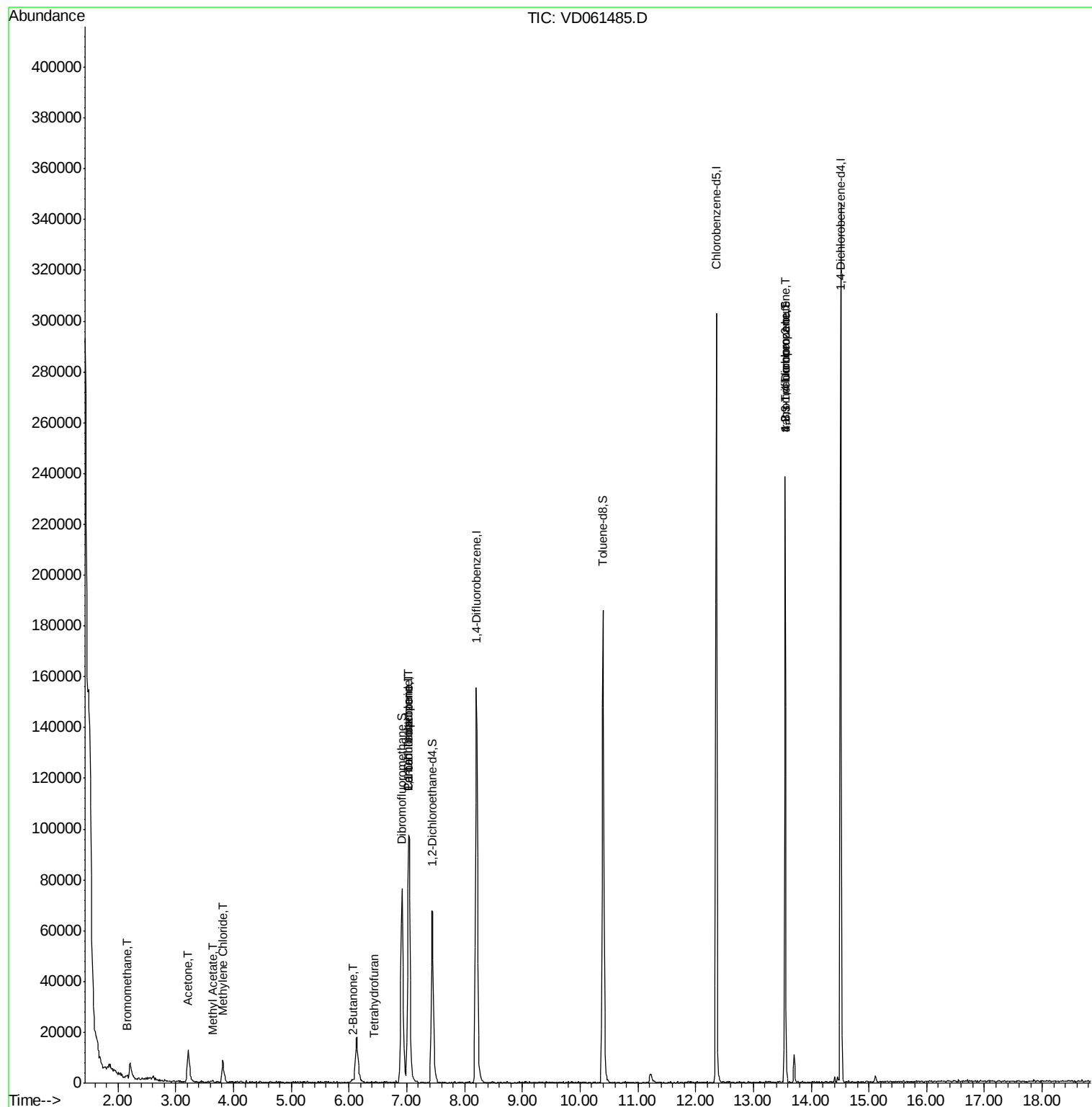
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	211	1.252	ug/l #	10
16) Acetone	3.21	43	25620	109.745	ug/l #	87
18) Methyl Acetate	3.65	43	1318	2.685	ug/l #	55
20) Methylene Chloride	3.81	84	6356	3.058	ug/l #	86
25) 2-Butanone	6.06	43	2648	9.017	ug/l #	54
29) Tetrahydrofuran	6.44	42	741	5.206	ug/l #	30
36) 1,1-Dichloropropene	7.04	75	7658	4.577	ug/l #	38
38) Carbon Tetrachloride	7.04	117	10220	5.315	ug/l #	10
76) 1,2,3-Trichloropropane	13.55	75	19489	16.664	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.55	75	27695	77.668	ug/l #	18

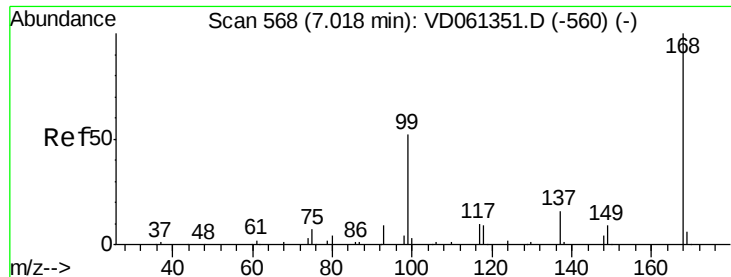
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
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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: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

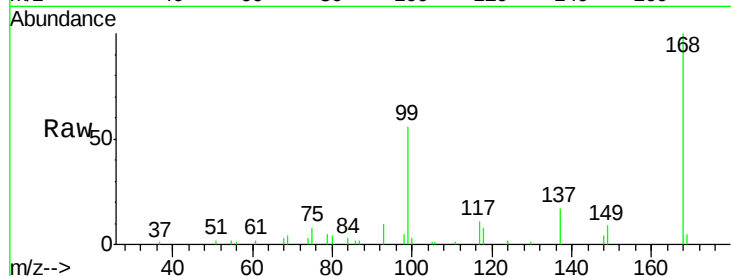
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 106309

Ion Ratio Lower Upper

168 100

99 55.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

40000

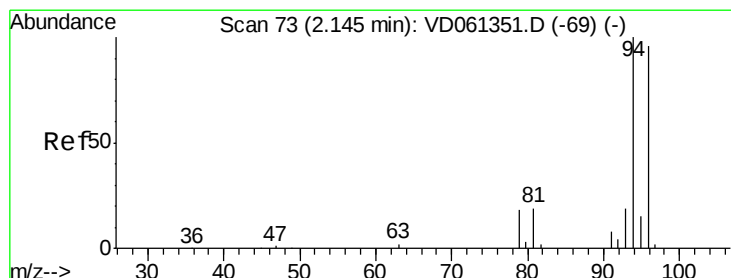
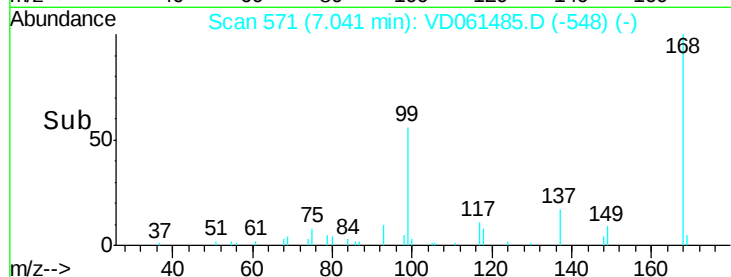
30000

20000

10000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.252 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

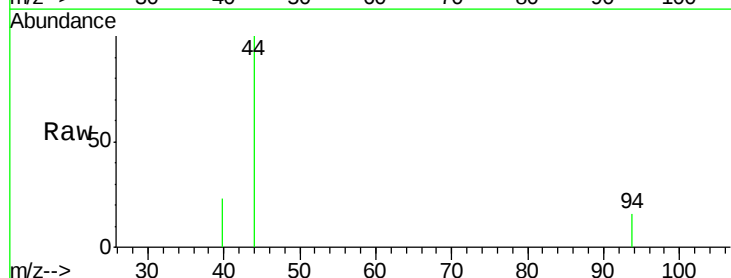
Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.15

400

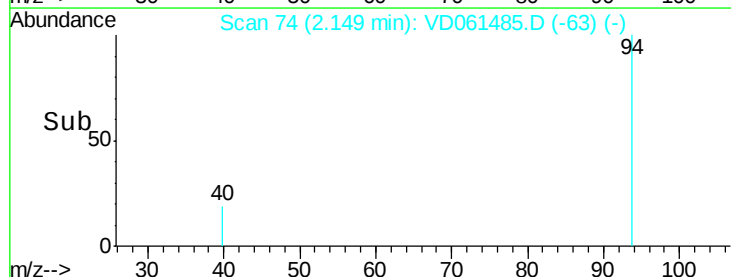
300

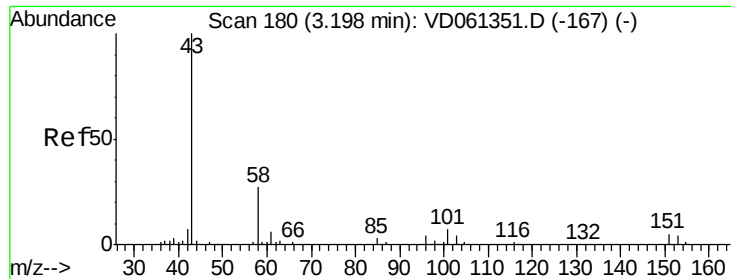
200

100

0

Time--> 2.12 2.14 2.16 2.18

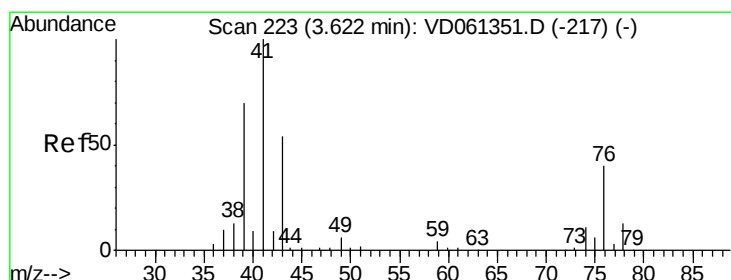
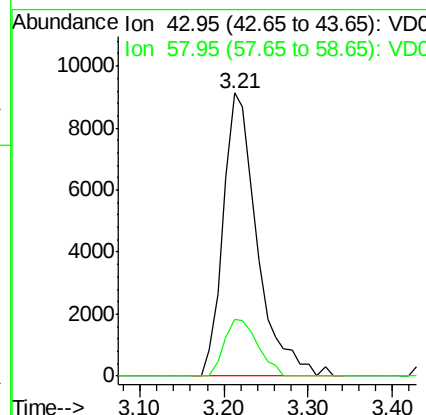
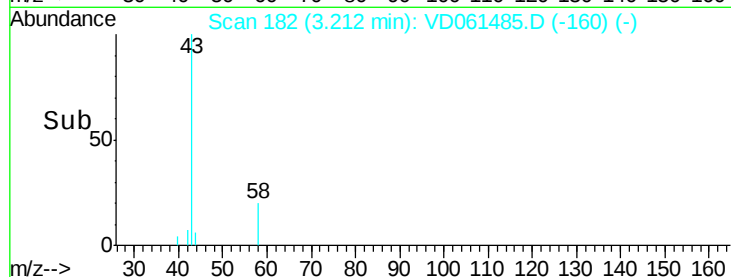
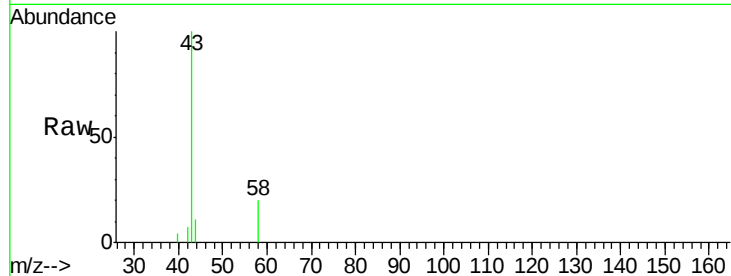




#16
Acetone
Concen: 109.745 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061485.D
Acq: 1 Apr 2019 22:54

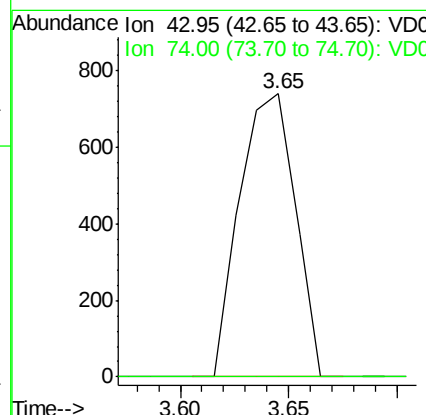
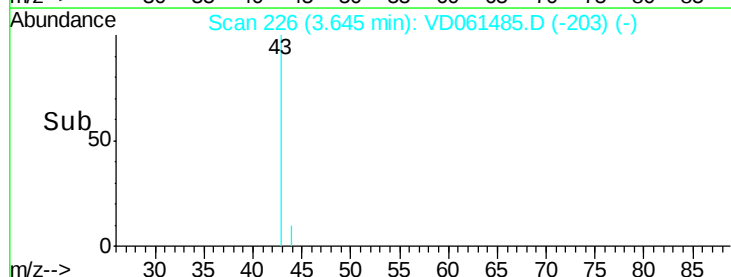
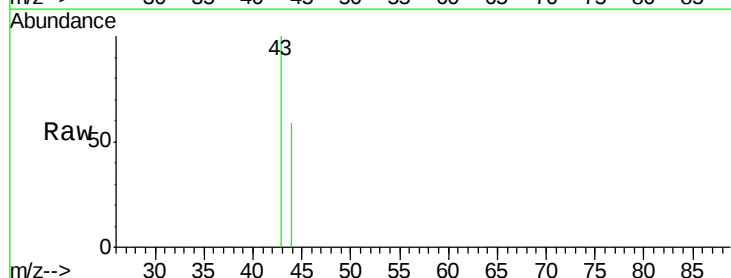
Instrument :
MSVOA_D
ClientSampleId :

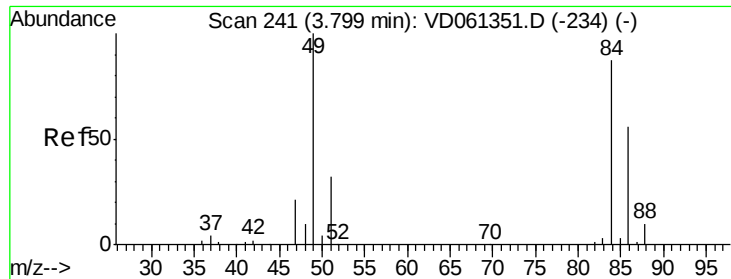
Tot Ion: 43 Resp: 25620
Ion Ratio Lower Upper
43 100
58 20.1 21.5 32.3#



#18
Methyl Acetate
Concen: 2.685 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061485.D
Acq: 1 Apr 2019 22:54

Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

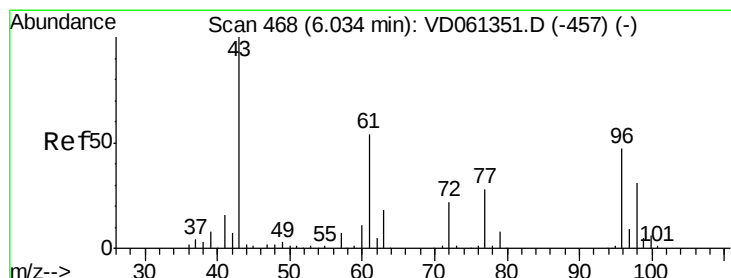
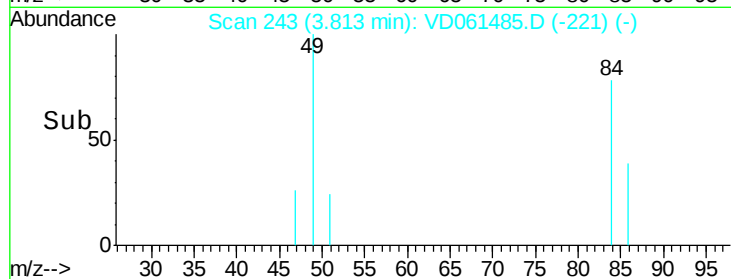
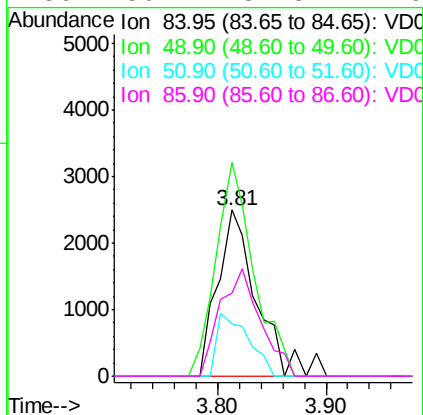
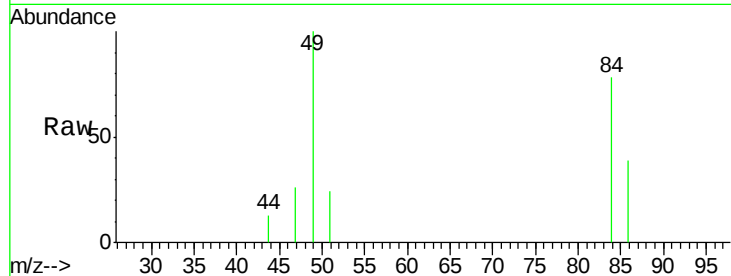




#20
Methvlene Chloride
Concen: 3.058 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061485.D
Acq: 1 Apr 2019 22:54

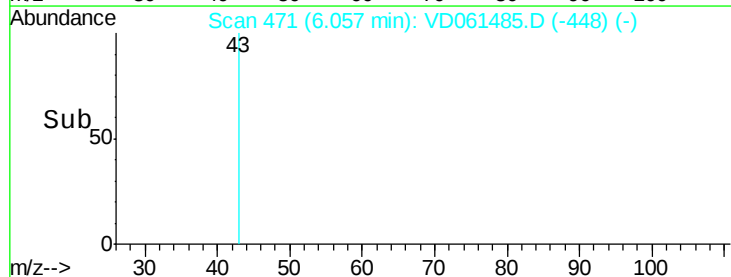
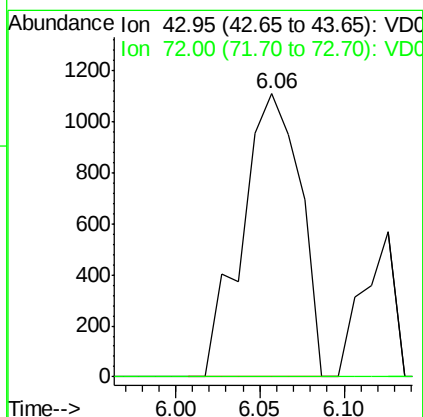
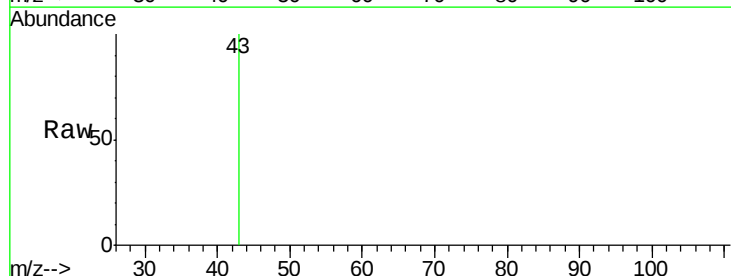
Instrument :
MSVOA_D
ClientSampleId :

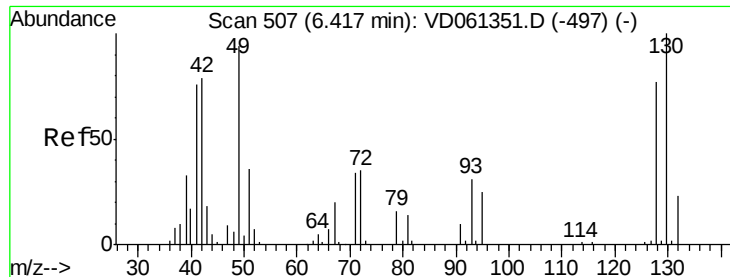
Tot Ion: 84 Resp: 6356
Ion Ratio Lower Upper
84 100
49 128.5 91.8 137.8
51 31.5 29.8 44.8
86 50.4 51.8 77.6#



#25
2-Butanone
Concen: 9.017 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061485.D
Acq: 1 Apr 2019 22:54

Tgt Ion: 43 Resp: 2648
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#





#29

Tetrahydrofuran

Concen: 5.206 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

Instrument :

MSVOA_D

ClientSampleId :

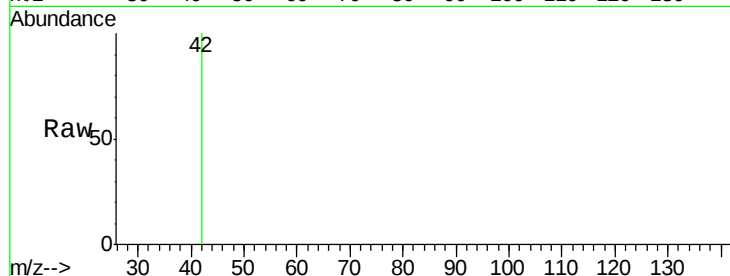
Tot Ion: 42 Resp: 741

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

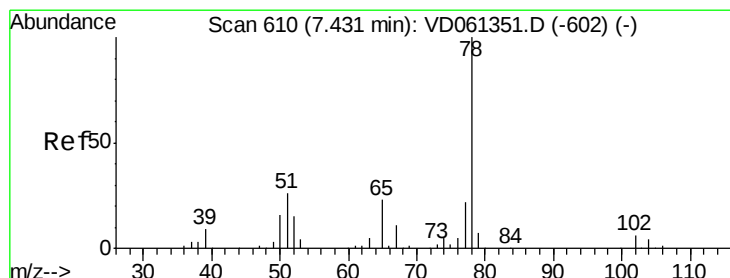
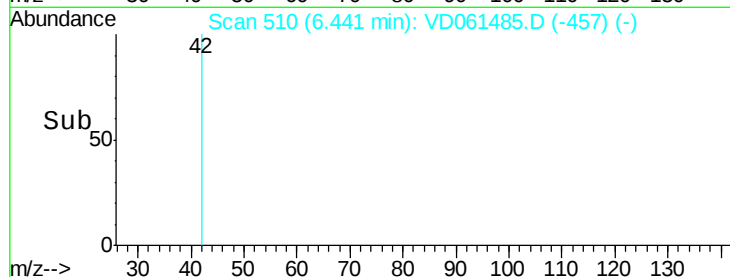
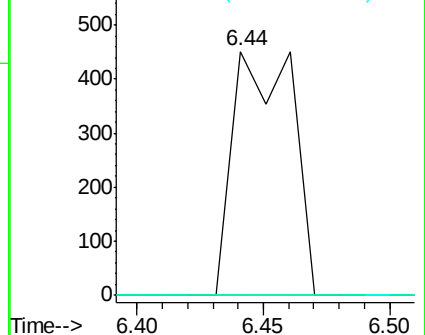
71 0.0 36.7 55.1#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061485.D

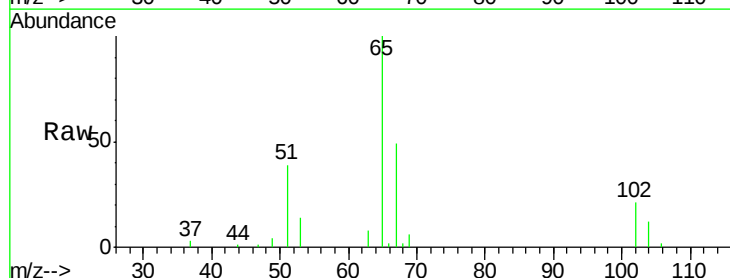
Acq: 1 Apr 2019 22:54

Tgt Ion: 65 Resp: 72001

Ion Ratio Lower Upper

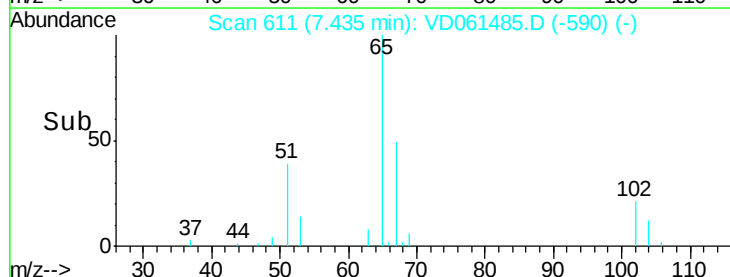
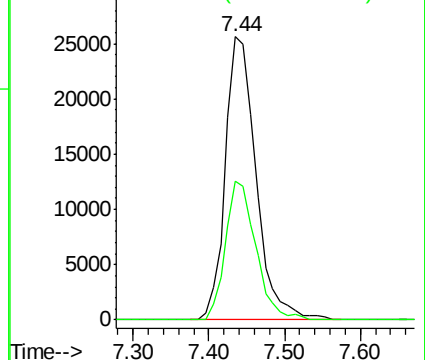
65 100

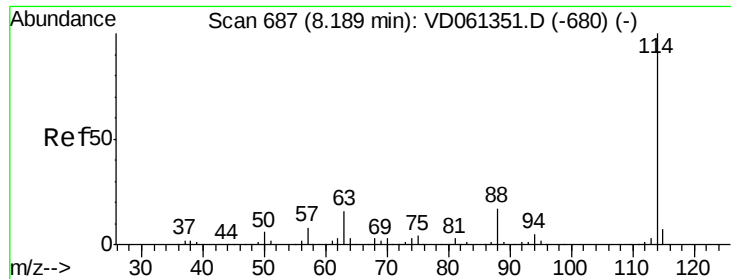
67 49.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

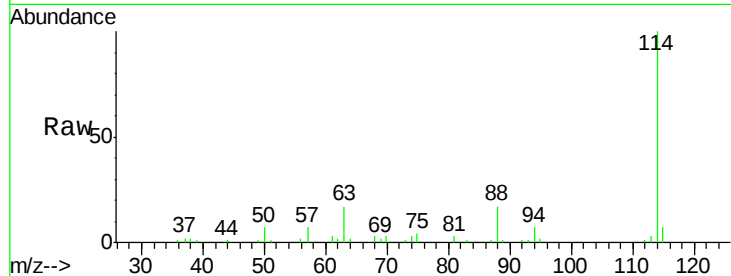




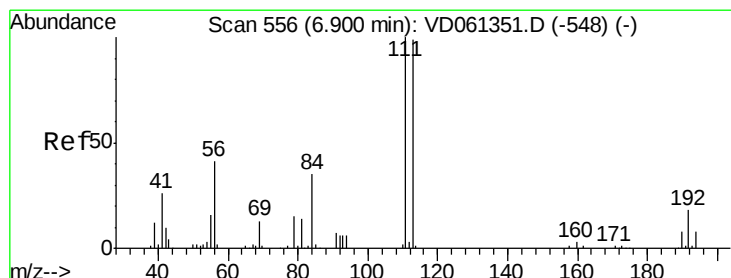
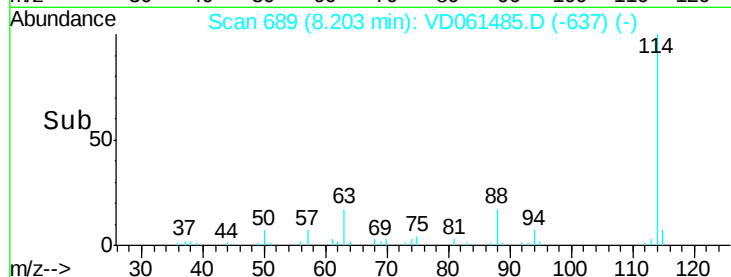
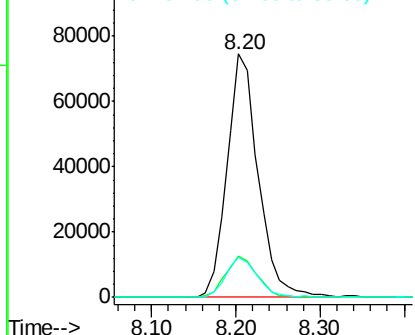
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061485.D
 Acq: 1 Apr 2019 22:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 191716
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 31.6
 88 16.7 0.0 33.4

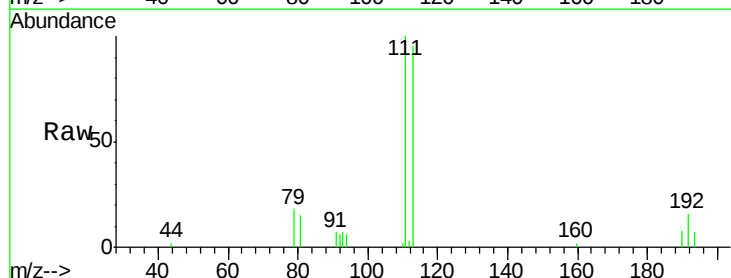


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

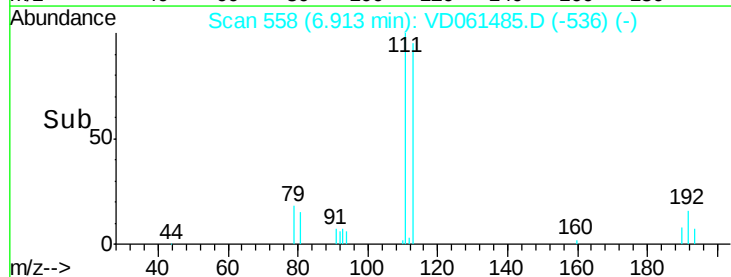
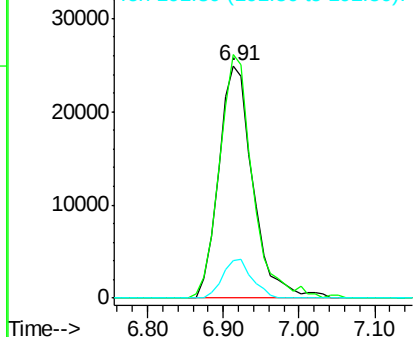


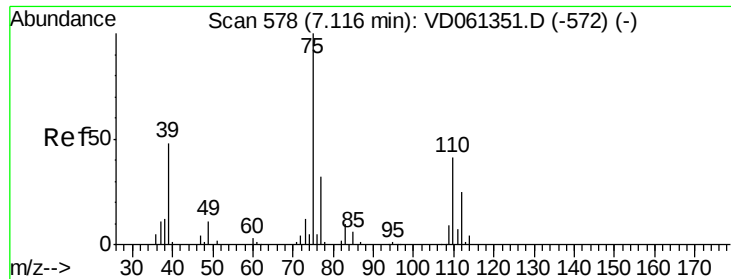
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061485.D
 Acq: 1 Apr 2019 22:54

Tgt Ion:113 Resp: 77800
 Ion Ratio Lower Upper
 113 100
 111 104.8 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

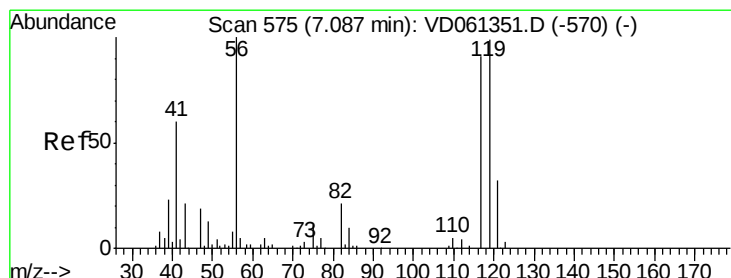
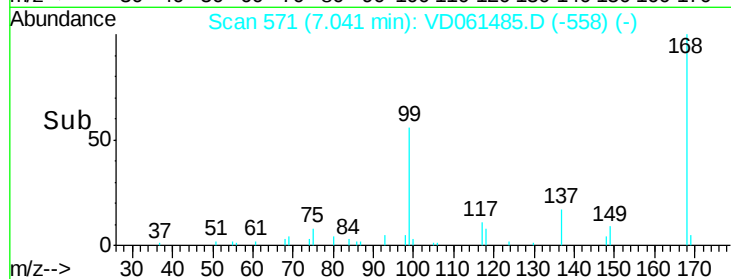
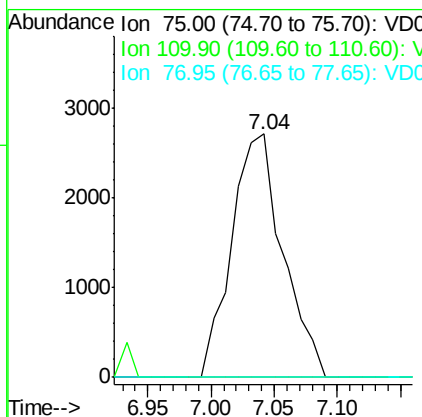
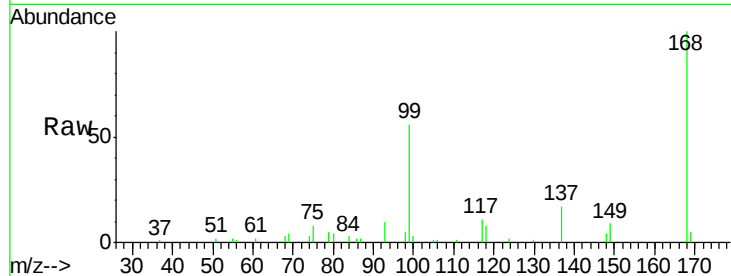




#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061485.D
 Acq: 1 Apr 2019 22:54

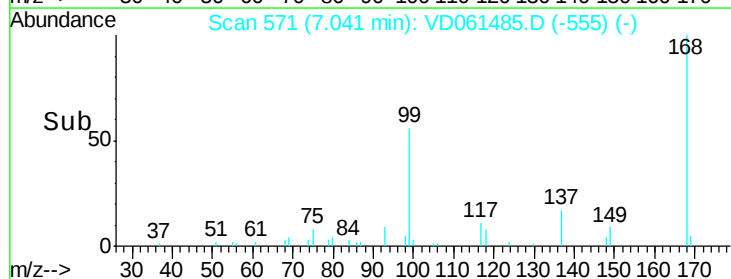
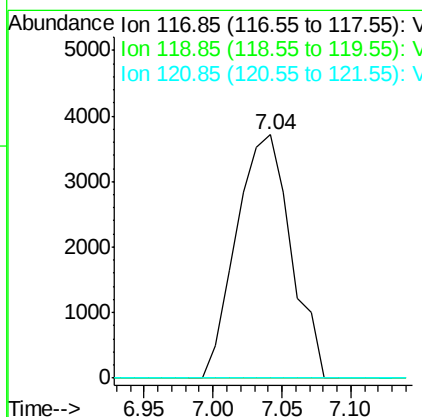
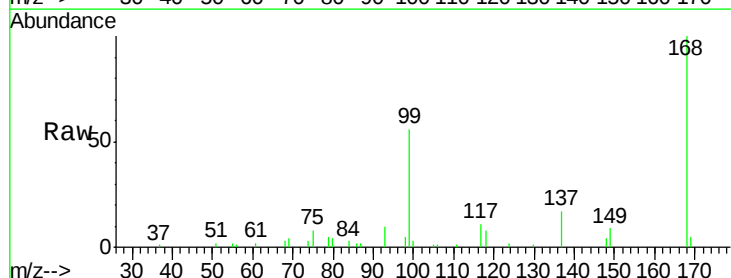
Instrument :
 MSVOA_D
 ClientSampleId :

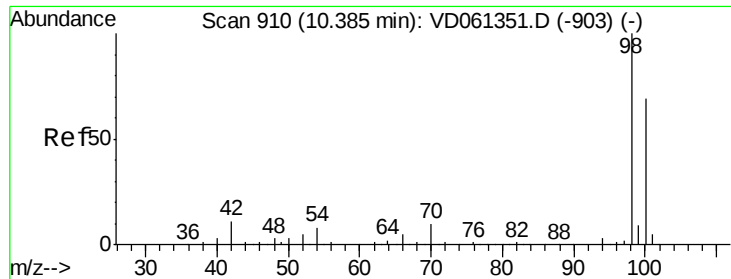
Tot Ion: 75 Resp: 7658
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.315 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD061485.D
 Acq: 1 Apr 2019 22:54

Tgt Ion: 117 Resp: 10220
 Ion Ratio Lower Upper
 117 100
 119 0.0 80.1 120.1#
 121 0.0 25.6 38.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

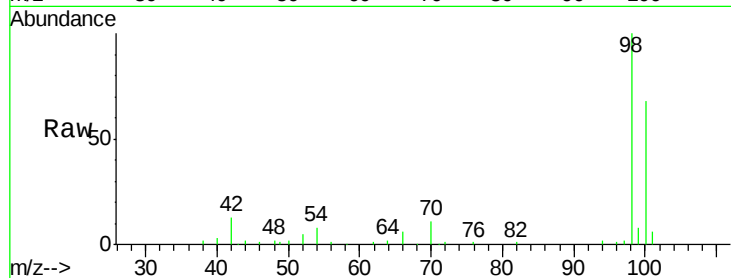
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 163560

Ion Ratio Lower Upper

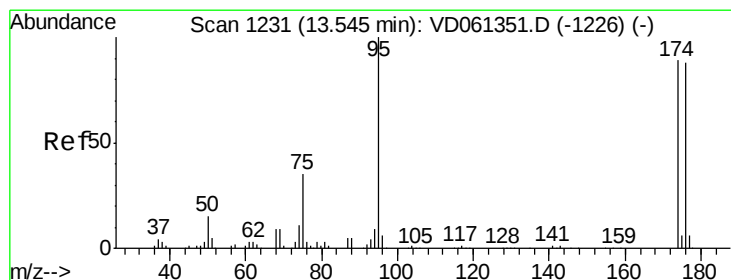
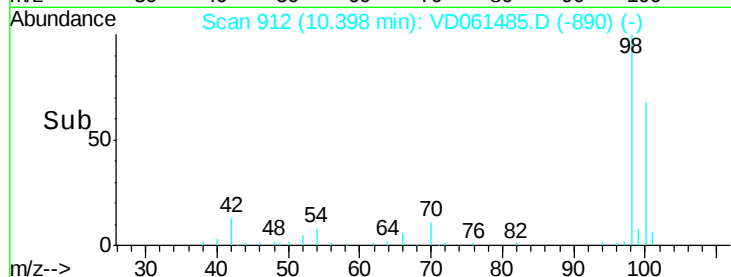
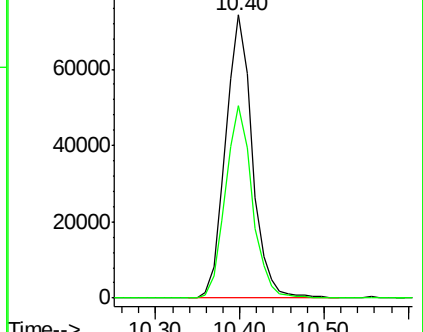
98 100

100 68.0 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

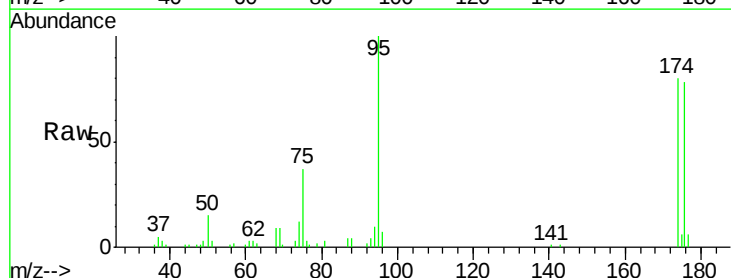
Tgt Ion: 95 Resp: 76987

Ion Ratio Lower Upper

95 100

174 80.1 0.0 178.0

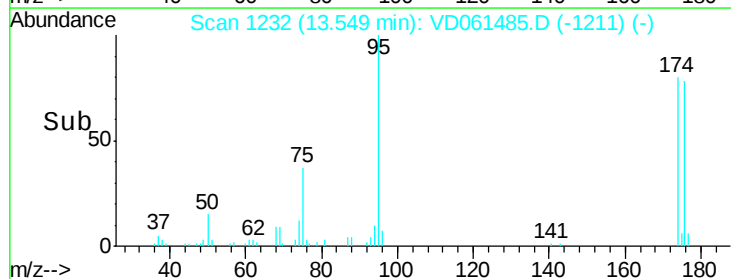
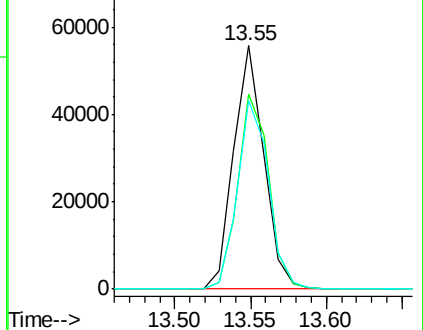
176 77.6 0.0 175.0

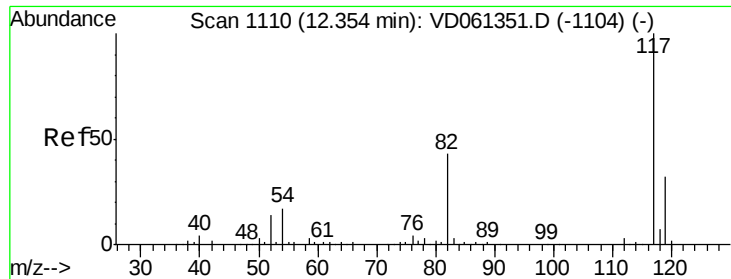


Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

Instrument :

MSVOA_D

ClientSampled :

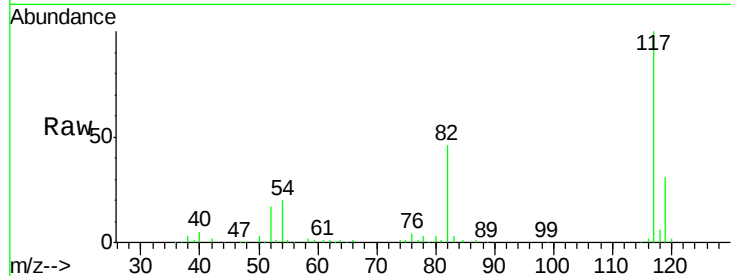
Tot Ion:117 Resp: 186252

Ion Ratio Lower Upper

117 100

82 46.4 34.4 51.6

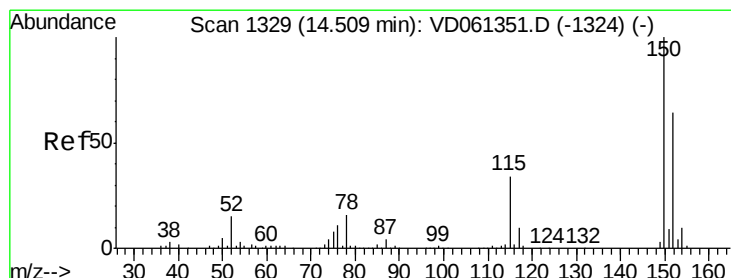
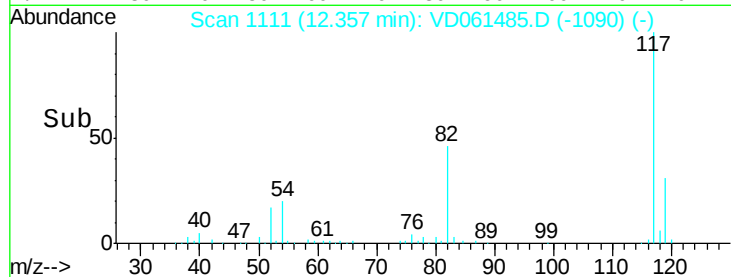
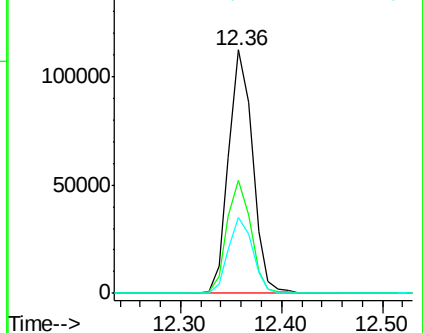
119 31.0 25.8 38.6



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

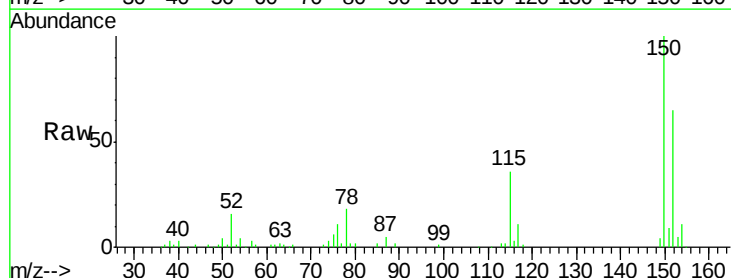
Tgt Ion:152 Resp: 80961

Ion Ratio Lower Upper

152 100

115 55.6 26.9 80.6

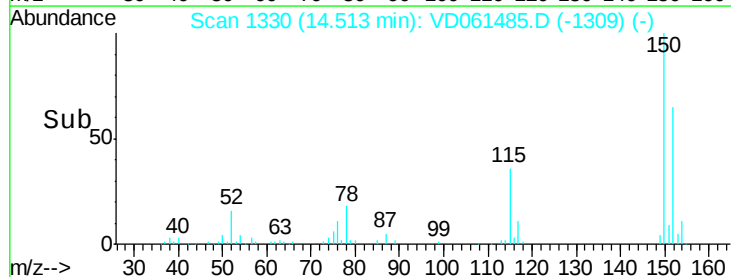
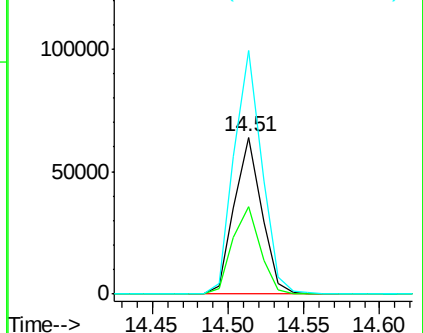
150 154.9 0.0 318.0

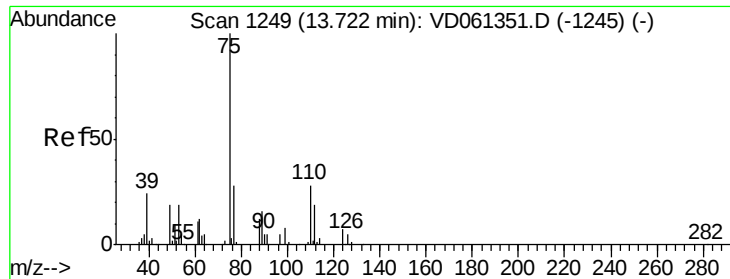


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 16.664 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

Instrument :

MSVOA_D

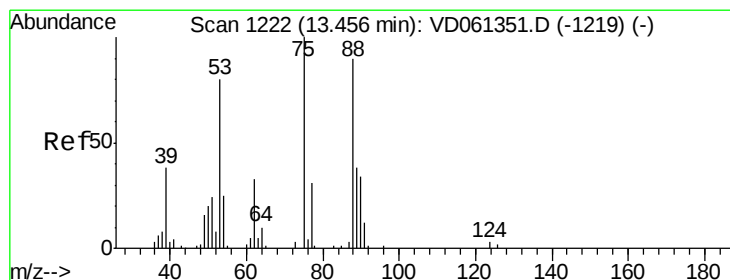
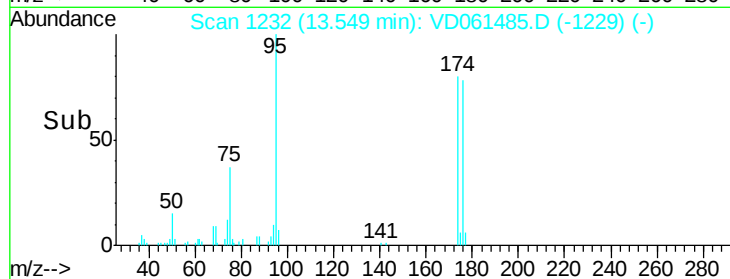
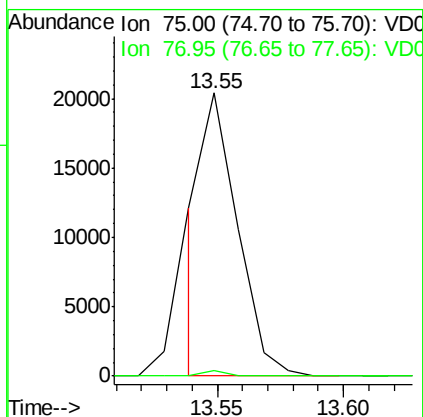
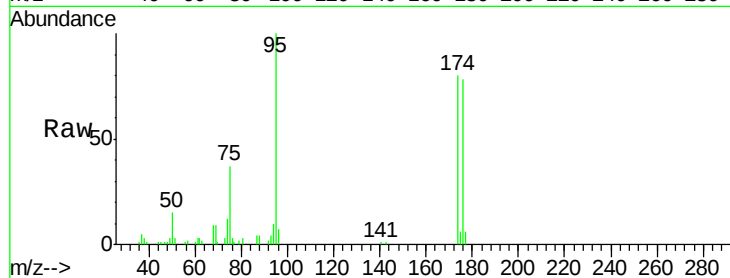
ClientSampleId :

Tot Ion: 75 Resp: 19489

Ion Ratio Lower Upper

75 100

77 2.1 16.2 48.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.668 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061485.D

Acq: 1 Apr 2019 22:54

Tgt Ion: 75 Resp: 27695

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

