

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061483.D
 Acq On : 1 Apr 2019 22:00
 Operator : VA/AP
 Sample : K2182-19
 Misc : 5.34g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:21:07 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	486682	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	751689	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	507219	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	147534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	248053	59.66	ug/l	0.01
Spiked Amount			Recovery	=	119.32%	
35) Dibromofluoromethane	6.92	113	351451	61.18	ug/l	0.02
Spiked Amount			Recovery	=	122.36%	
50) Toluene-d8	10.41	98	693557	50.34	ug/l	0.02
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	13.55	95	187397	35.47	ug/l	0.00
Spiked Amount			Recovery	=	70.94%	

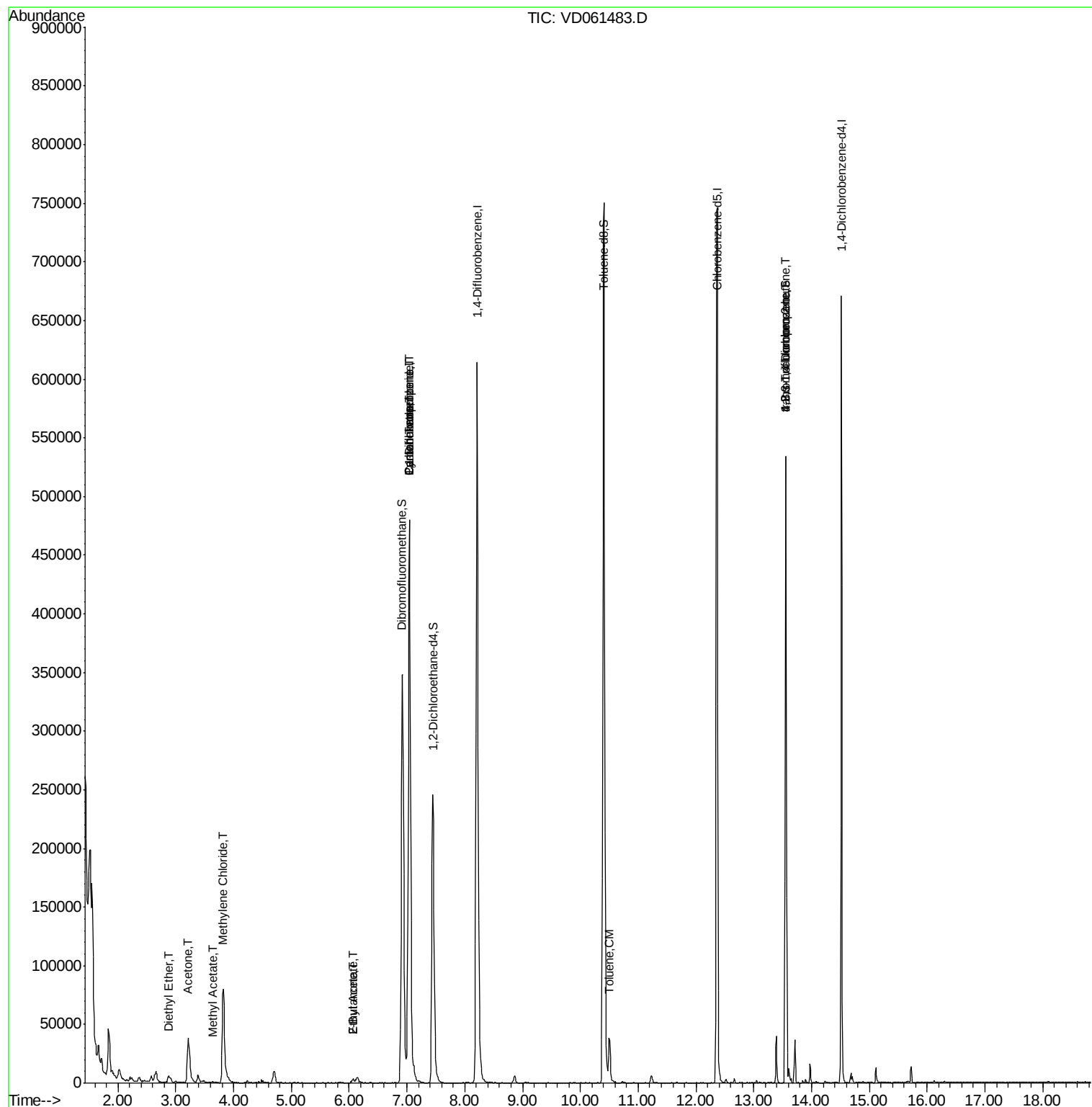
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	2078	1.140	ug/l	66
16) Acetone	3.21	43	80444	75.270	ug/l	95
18) Methyl Acetate	3.64	43	2285	1.017	ug/l #	55
20) Methylene Chloride	3.82	84	62895	8.928	ug/l	92
25) 2-Butanone	6.07	43	7532	5.603	ug/l	97
31) Cyclohexane	7.03	56	8981	1.254	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	37013	5.642	ug/l #	44
37) Ethyl Acetate	6.07	43	7532	2.684	ug/l #	65
38) Carbon Tetrachloride	7.04	117	48199	6.394	ug/l #	14
52) Toluene	10.51	92	21225	2.113	ug/l	93
76) 1,2,3-Trichloropropane	13.55	75	59597	27.965	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	71817	110.523	ug/l #	18

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061483.D
Acq On : 1 Apr 2019 22:00
Operator : VA/AP
Sample : K2182-19
Misc : 5.34g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 02 01:21:07 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: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

Instrument :

MSVOA_D

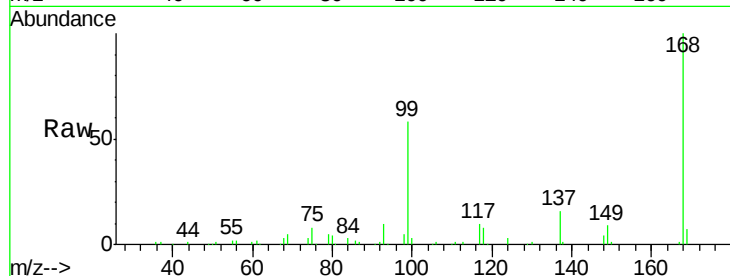
ClientSampleId :

Tot Ion:168 Resp: 486682

Ion Ratio Lower Upper

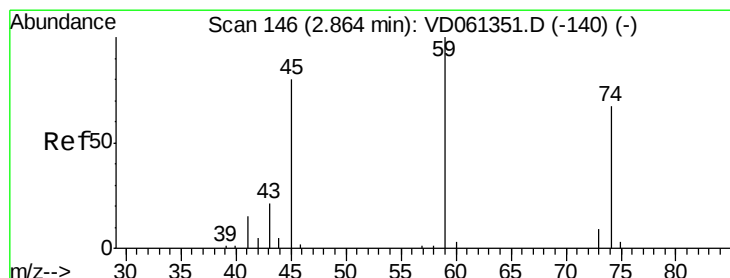
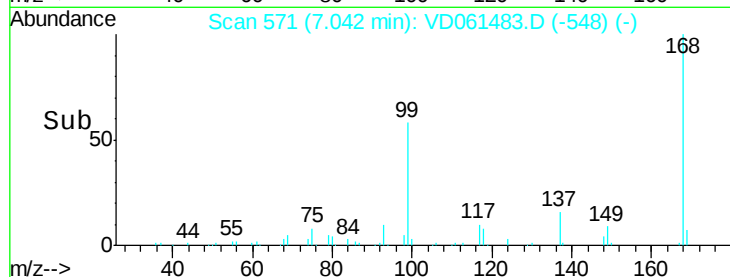
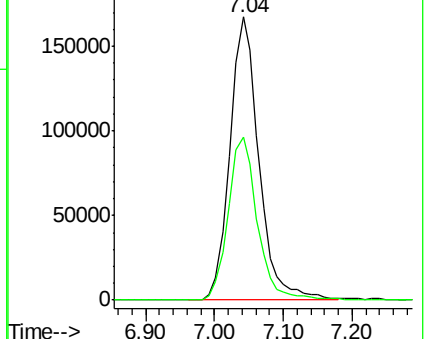
168 100

99 57.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.140 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061483.D

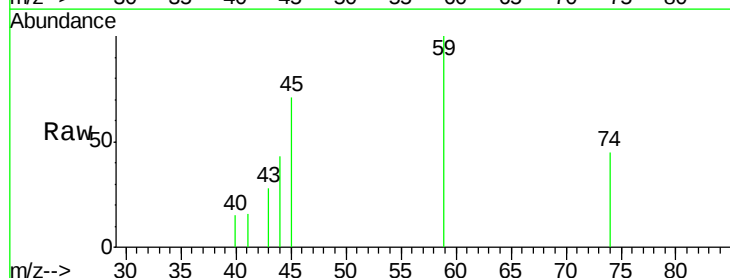
Acq: 1 Apr 2019 22:00

Tgt Ion: 74 Resp: 2078

Ion Ratio Lower Upper

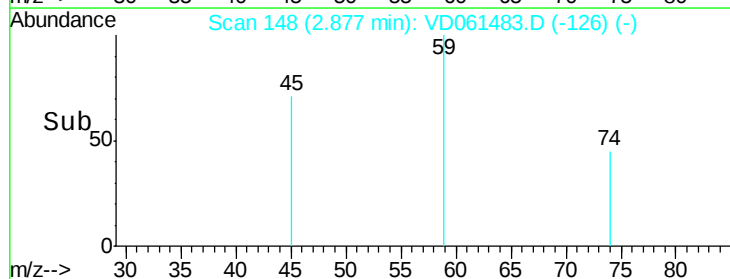
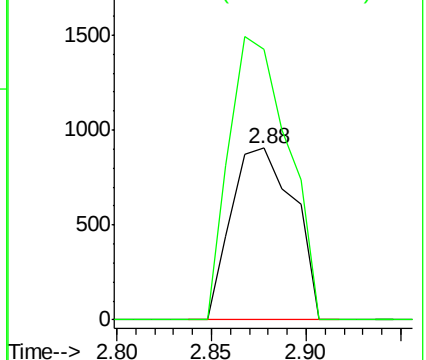
74 100

45 157.6 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 75.270 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

Instrument :

MSVOA_D

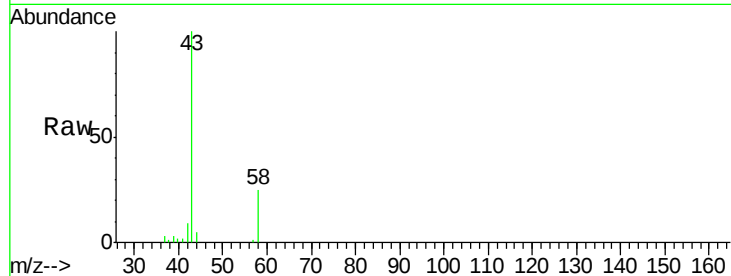
ClientSampleId :

Tot Ion: 43 Resp: 80444

Ion Ratio Lower Upper

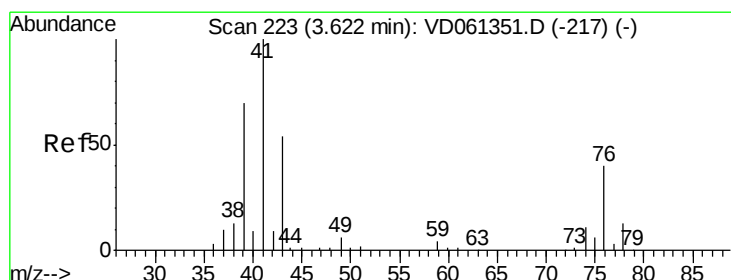
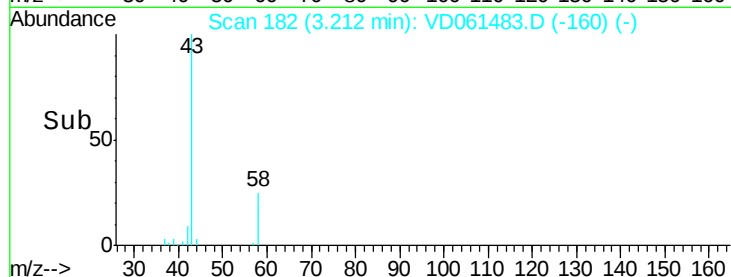
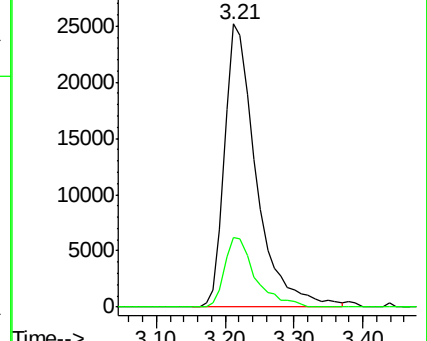
43 100

58 24.5 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: 1.017 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061483.D

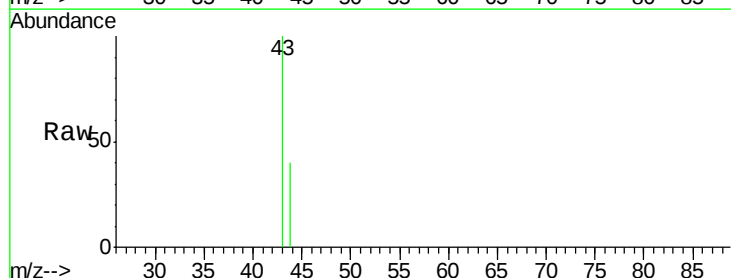
Acq: 1 Apr 2019 22:00

Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

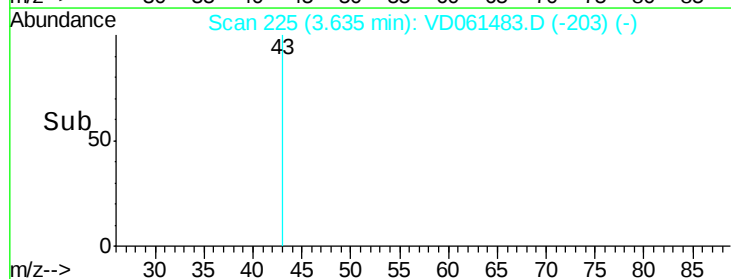
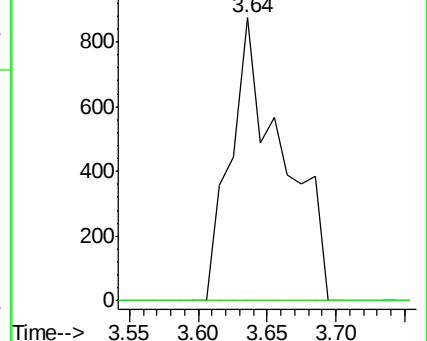
43 100

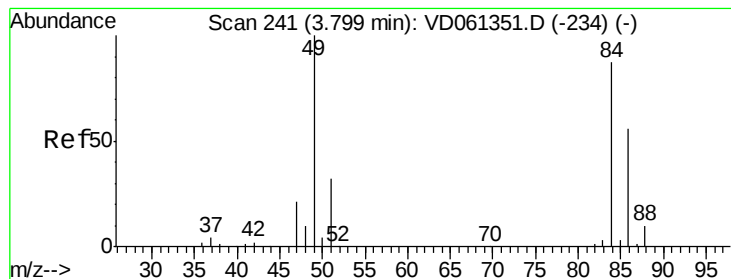
74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 8.928 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 62895

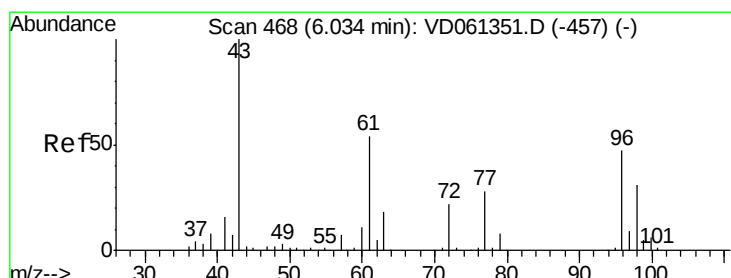
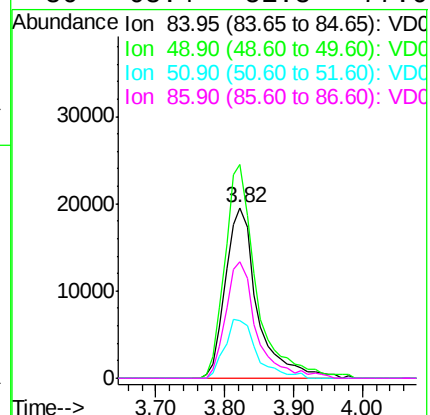
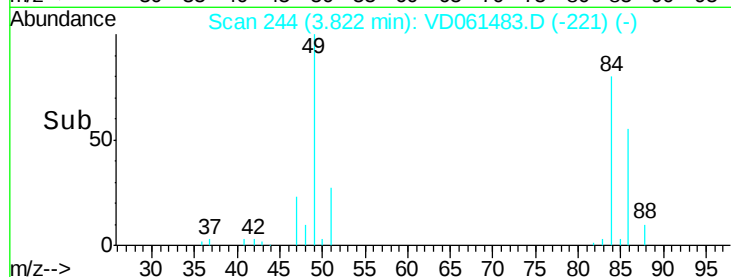
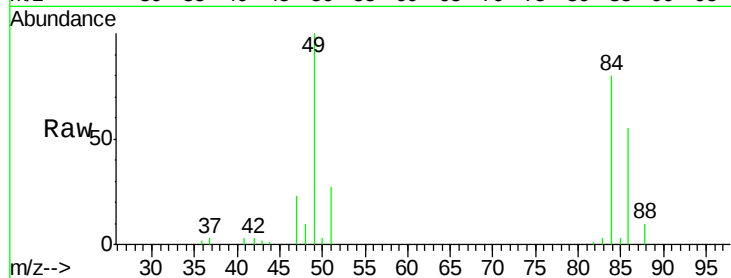
Ion Ratio Lower Upper

84 100

49 125.4 91.8 137.8

51 34.0 29.8 44.8

86 68.4 51.8 77.6



#25

2-Butanone

Concen: 5.603 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061483.D

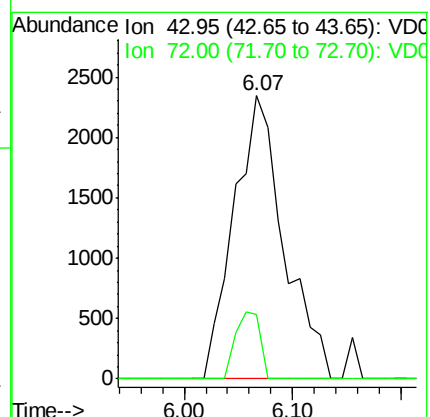
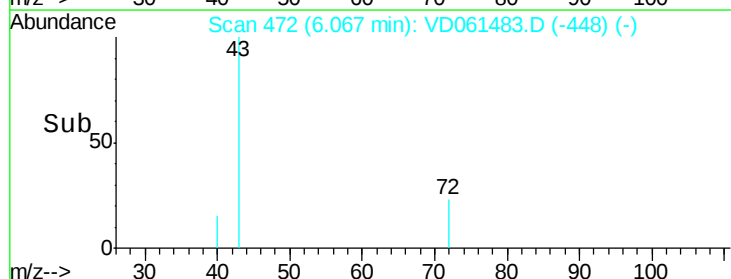
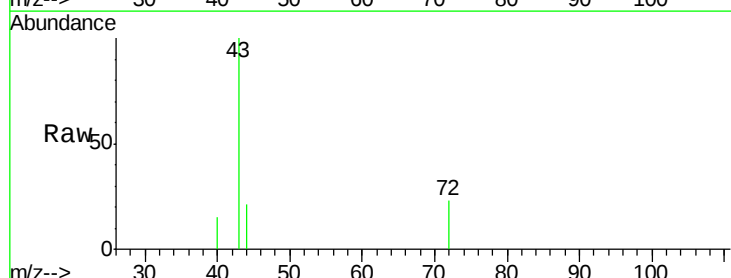
Acq: 1 Apr 2019 22:00

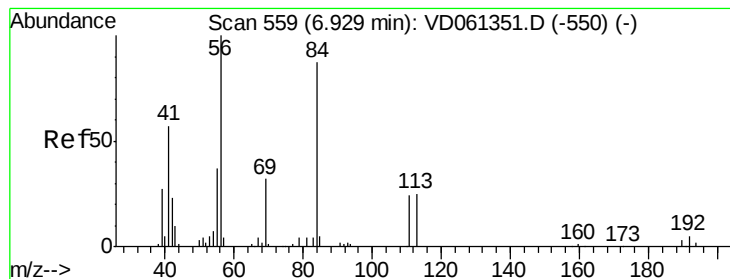
Tgt Ion: 43 Resp: 7532

Ion Ratio Lower Upper

43 100

72 22.9 17.2 25.8





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

Instrument :
MSVOA_D
ClientSampleId :

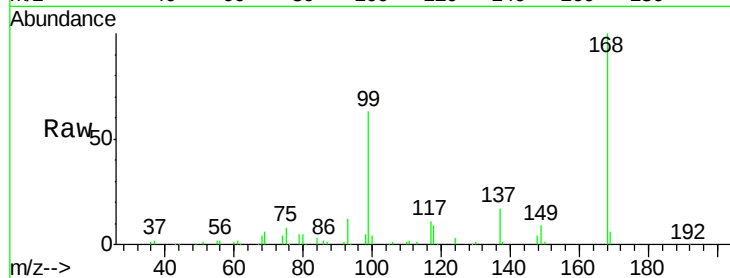
Tot Ion: 56 Resp: 8981

Ion Ratio Lower Upper

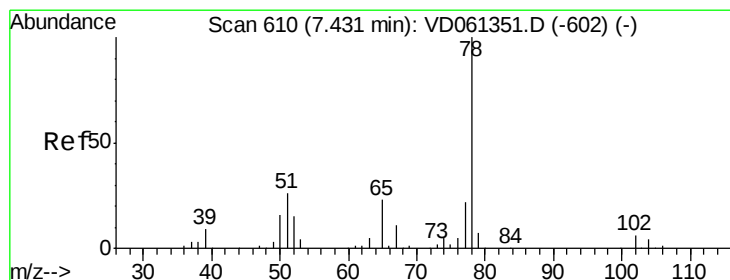
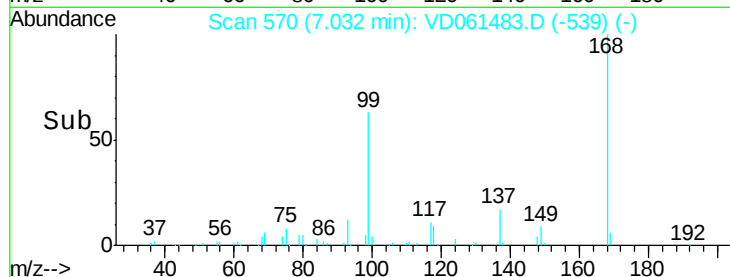
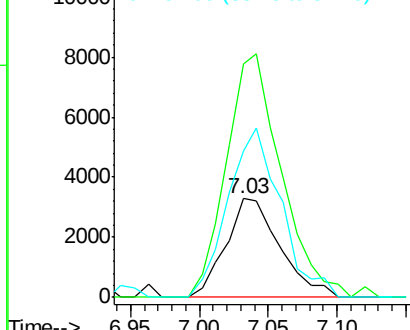
56 100

69 236.0 25.7 38.5#

84 147.7 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: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061483.D

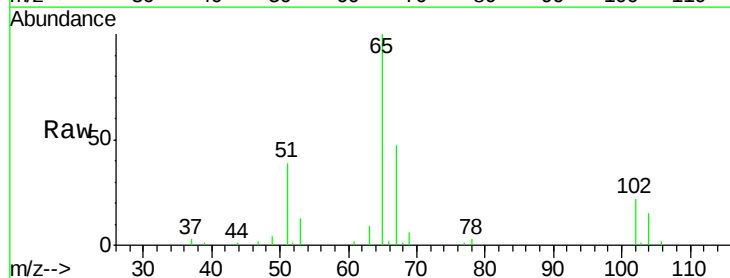
Acq: 1 Apr 2019 22:00

Tgt Ion: 65 Resp: 248053

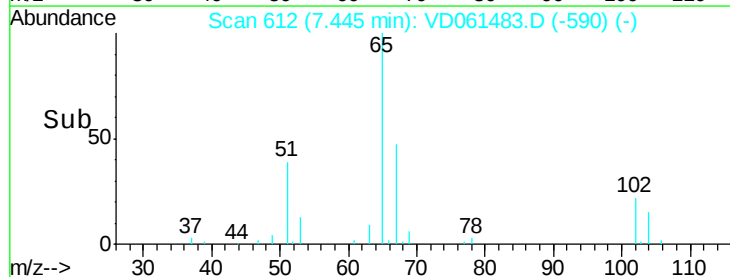
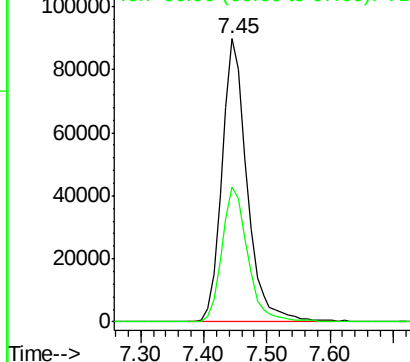
Ion Ratio Lower Upper

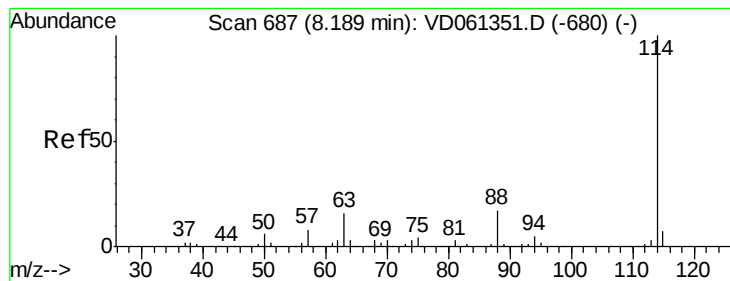
65 100

67 47.5 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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

Instrument :

MSVOA_D

ClientSampleId :

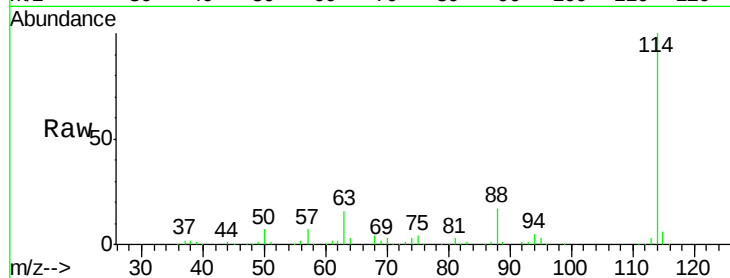
Tot Ion:114 Resp: 751689

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

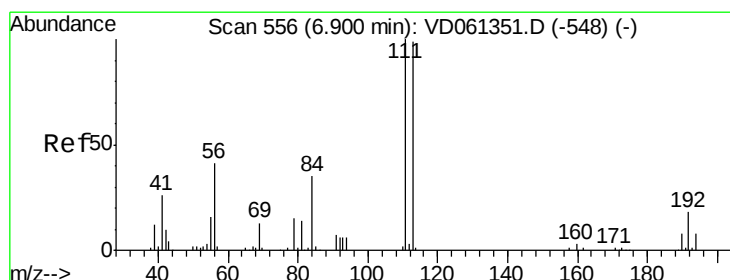
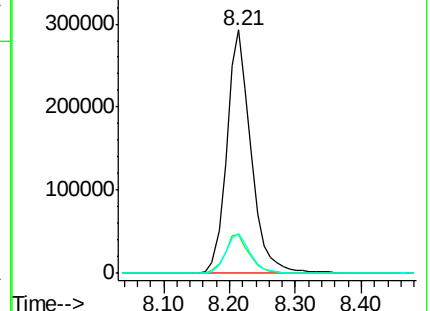
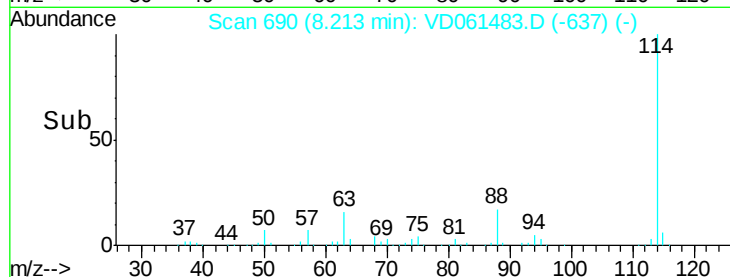
88 16.6 0.0 33.4



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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

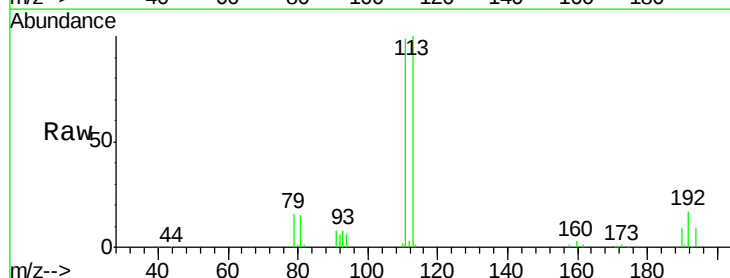
Tgt Ion:113 Resp: 351451

Ion Ratio Lower Upper

113 100

111 99.4 81.0 121.6

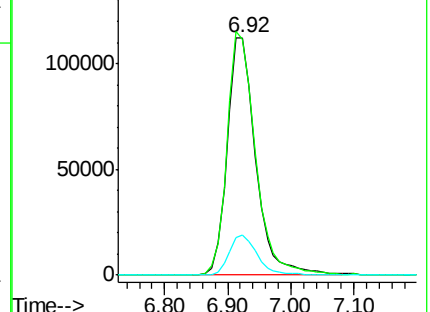
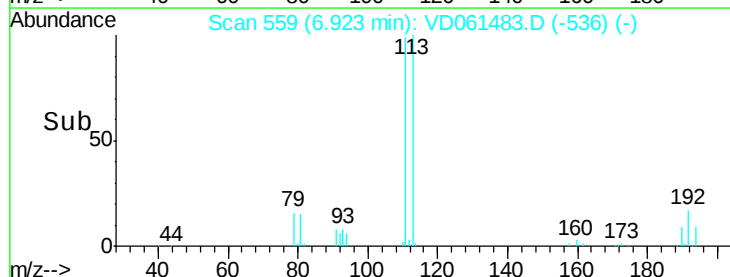
192 16.8 14.4 21.6

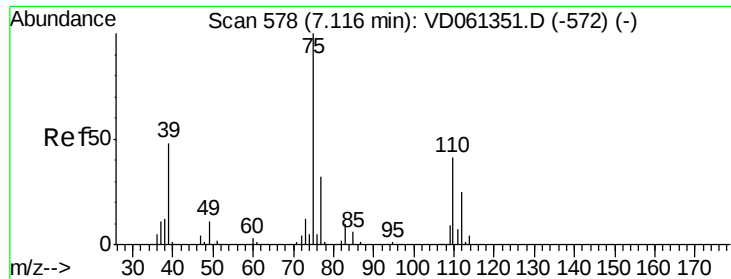


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

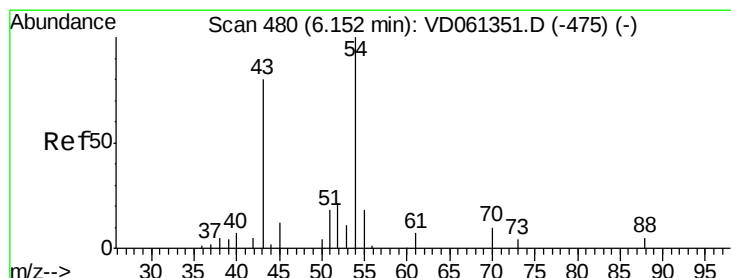
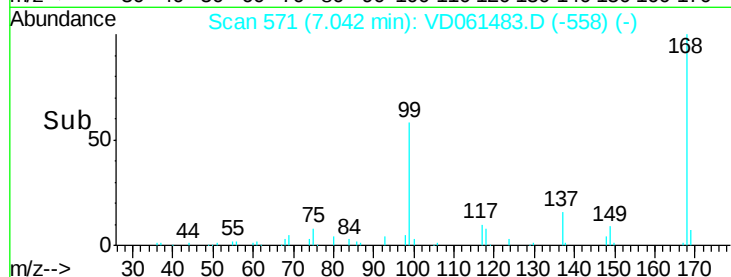
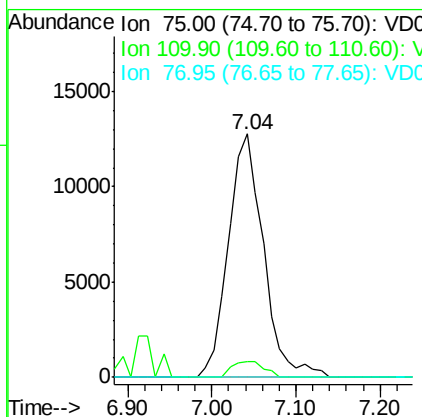
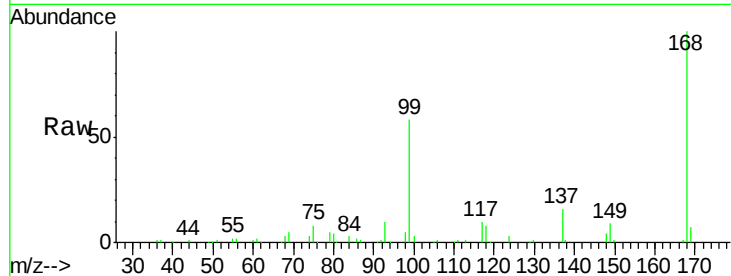




#36
 1,1-Dichloropropene
 Concen: 5.642 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061483.D
 Acq: 1 Apr 2019 22:00

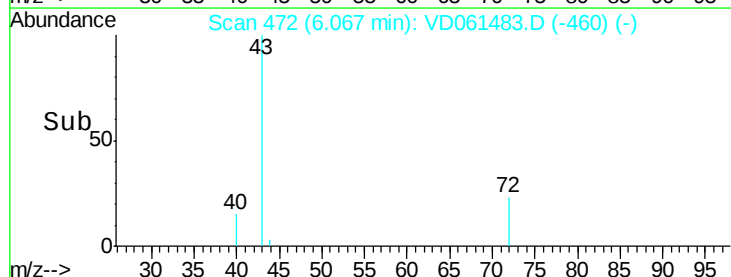
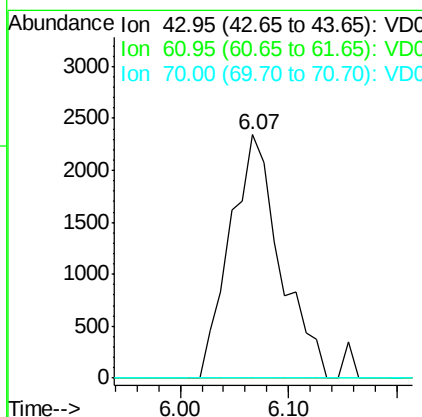
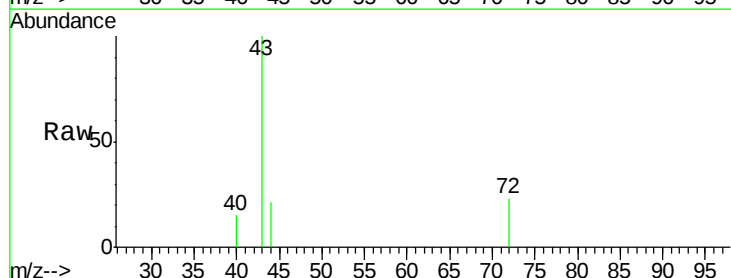
Instrument :
 MSVOA_D
 ClientSampleId :

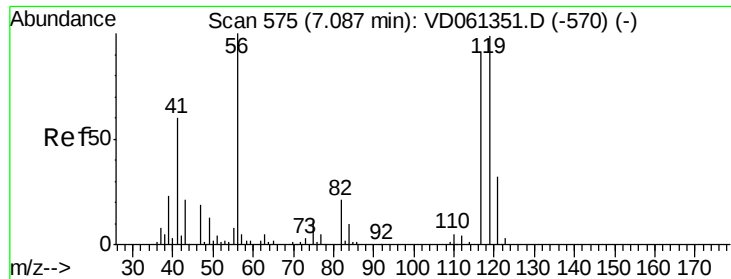
Tot Ion: 75 Resp: 37013
 Ion Ratio Lower Upper
 75 100
 110 6.5 20.4 61.3#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 2.684 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. -0.08 min
 Lab File: VD061483.D
 Acq: 1 Apr 2019 22:00

Tgt Ion: 43 Resp: 7532
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.8 20.8#
 70 0.0 7.8 11.8#

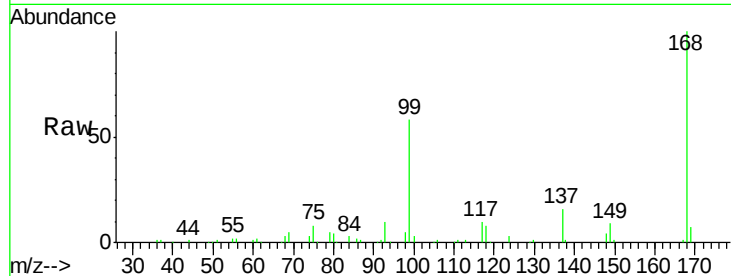




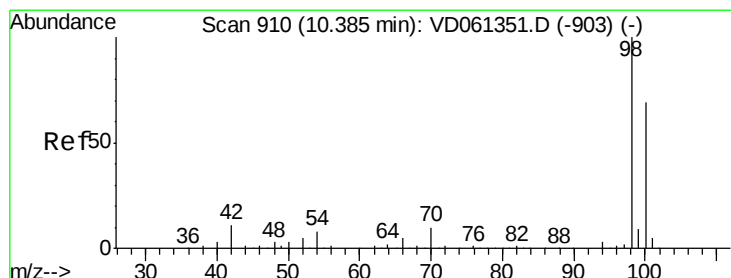
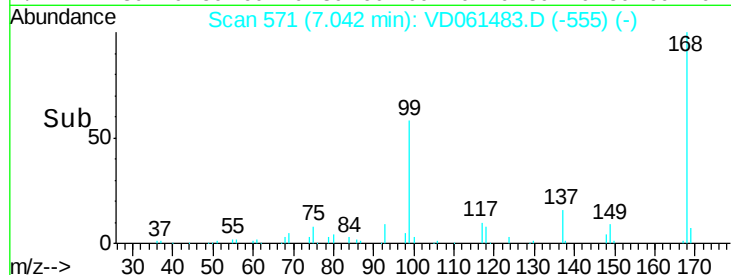
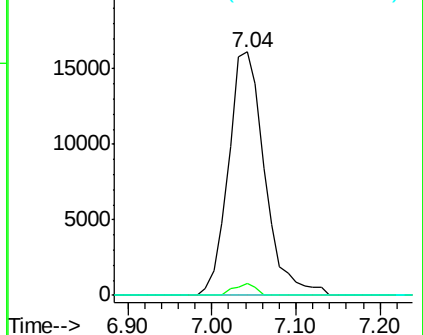
#38
Carbon Tetrachloride
Concen: 6.394 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD061483.D
Acq: 1 Apr 2019 22:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 48199
Ion Ratio Lower Upper
117 100
119 4.9 80.1 120.1#
121 0.0 25.6 38.4#

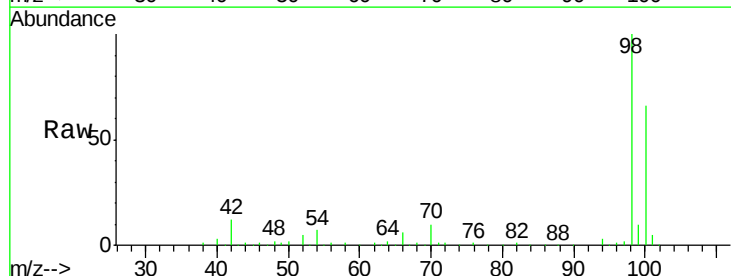


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

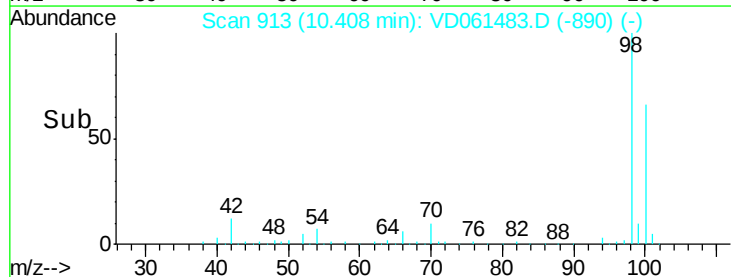
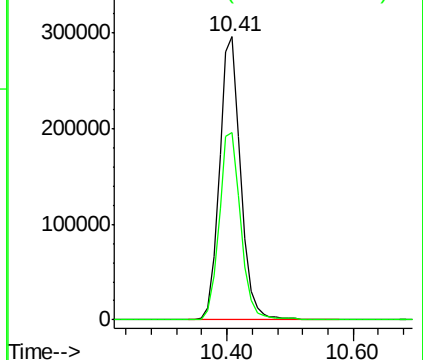


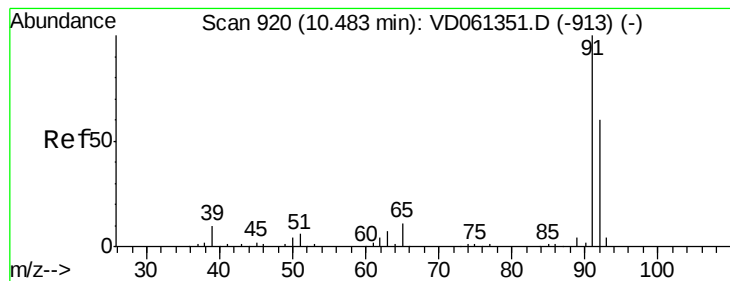
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061483.D
Acq: 1 Apr 2019 22:00

Tgt Ion: 98 Resp: 693557
Ion Ratio Lower Upper
98 100
100 66.2 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: 2.113 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

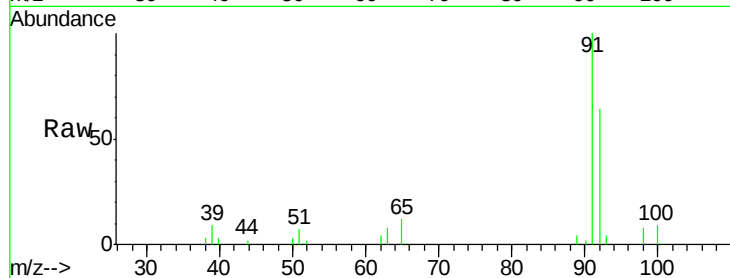
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 21225

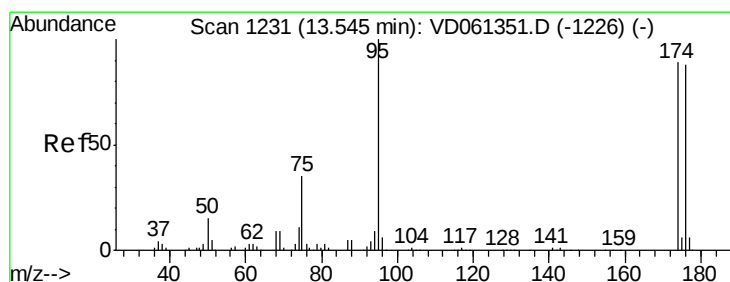
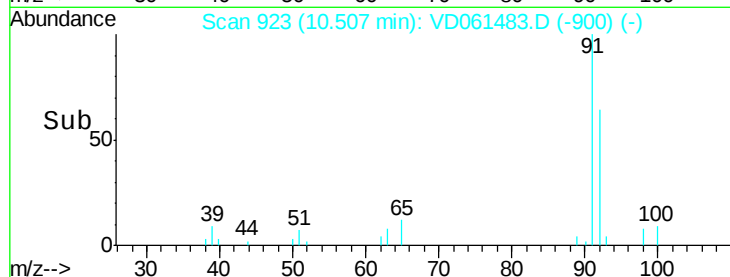
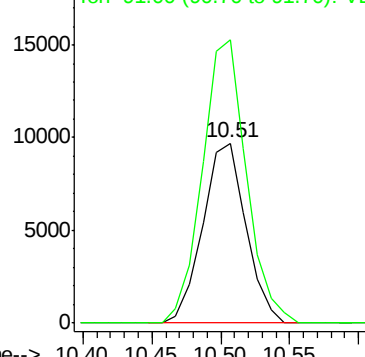
Ion Ratio Lower Upper

92 100

91 157.2 133.3 199.9



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061483.D

Acq: 1 Apr 2019 22:00

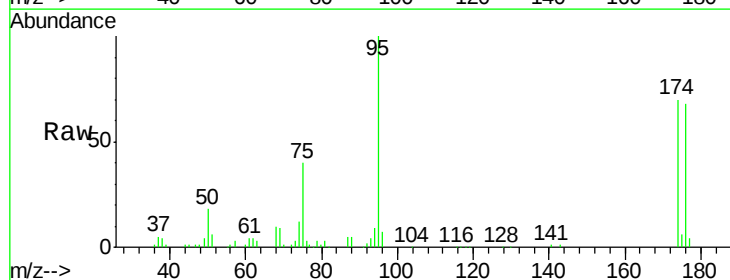
Tgt Ion: 95 Resp: 187397

Ion Ratio Lower Upper

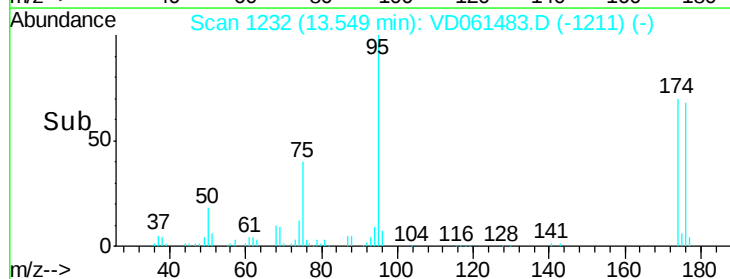
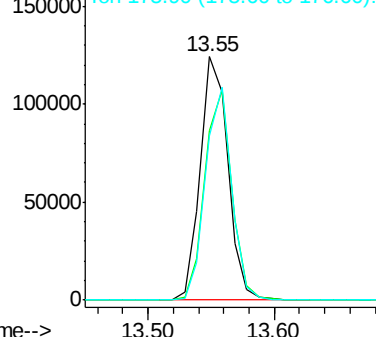
95 100

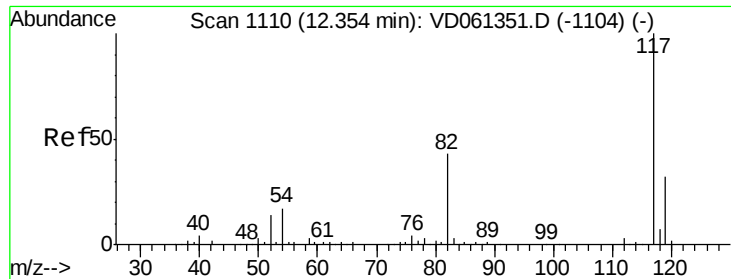
174 69.7 0.0 178.0

176 67.7 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

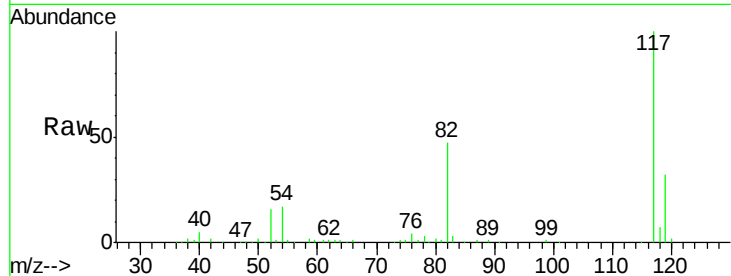




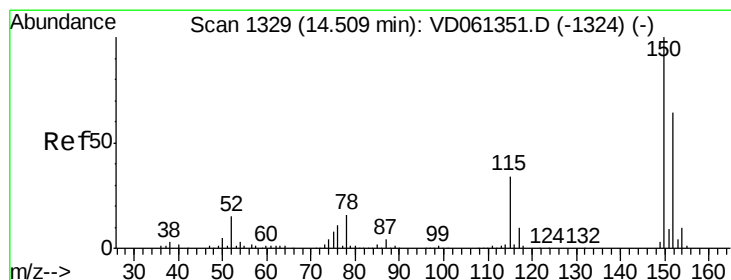
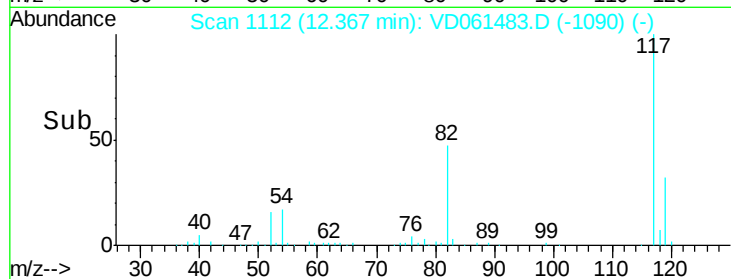
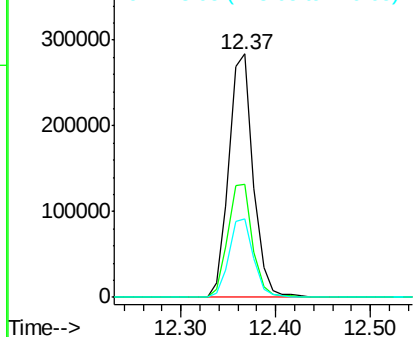
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061483.D
Acq: 1 Apr 2019 22:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 507219
Ion Ratio Lower Upper
117 100
82 46.6 34.4 51.6
119 32.0 25.8 38.6

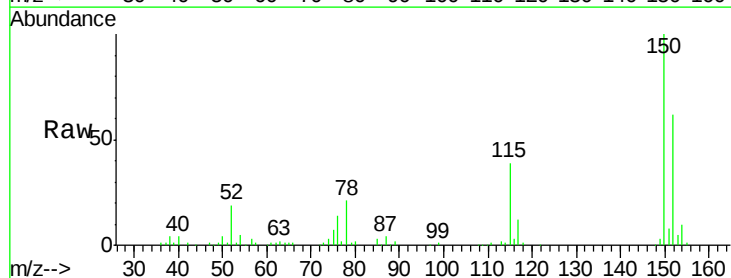


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

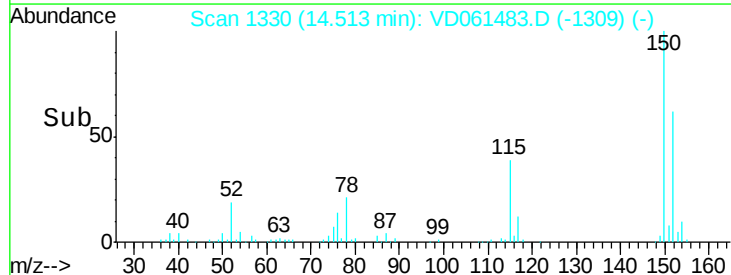
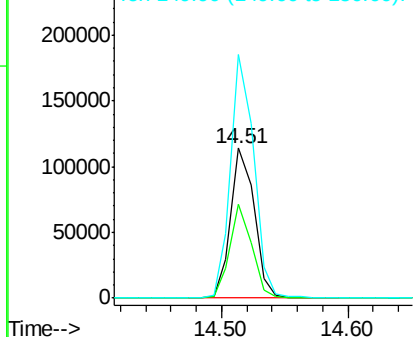


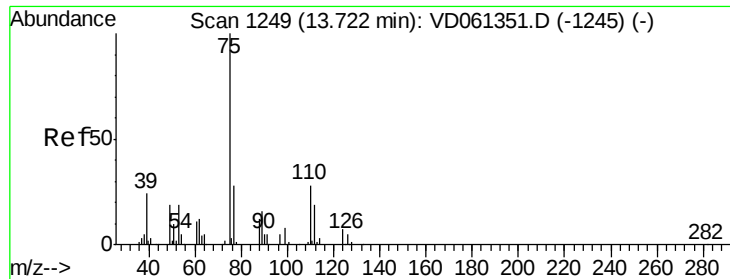
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061483.D
Acq: 1 Apr 2019 22:00

Tgt Ion:152 Resp: 147534
Ion Ratio Lower Upper
152 100
115 62.7 26.9 80.6
150 162.3 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

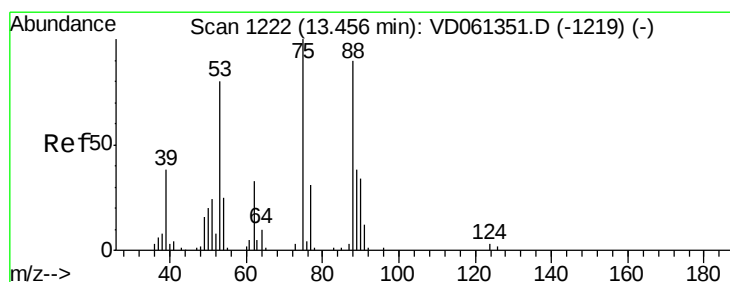
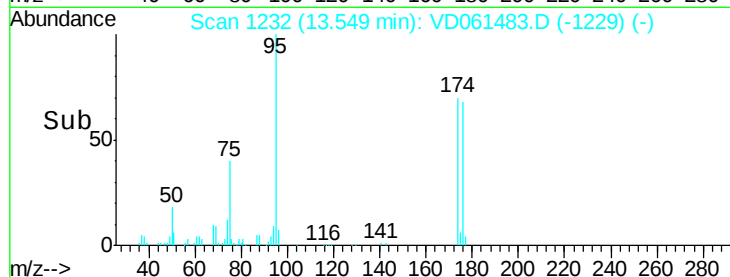
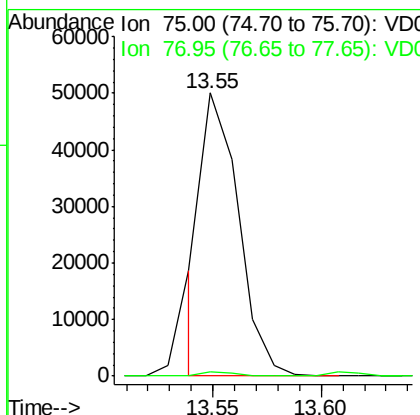
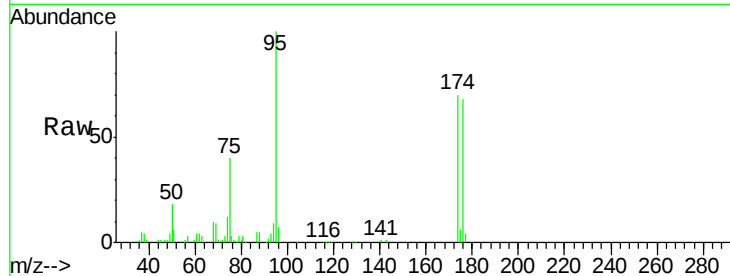




#76
 1,2,3-Trichloropropane
 Concen: 27.965 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061483.D
 Acq: 1 Apr 2019 22:00

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 75 Resp: 59597
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.523 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD061483.D
 Acq: 1 Apr 2019 22:00

Tgt Ion: 75 Resp: 71817
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

