

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061374.D
 Acq On : 28 Mar 2019 3:10
 Operator : VA/AP
 Sample : K2097-02
 Misc : 2.78g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

Quant Time: Mar 28 05:43:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

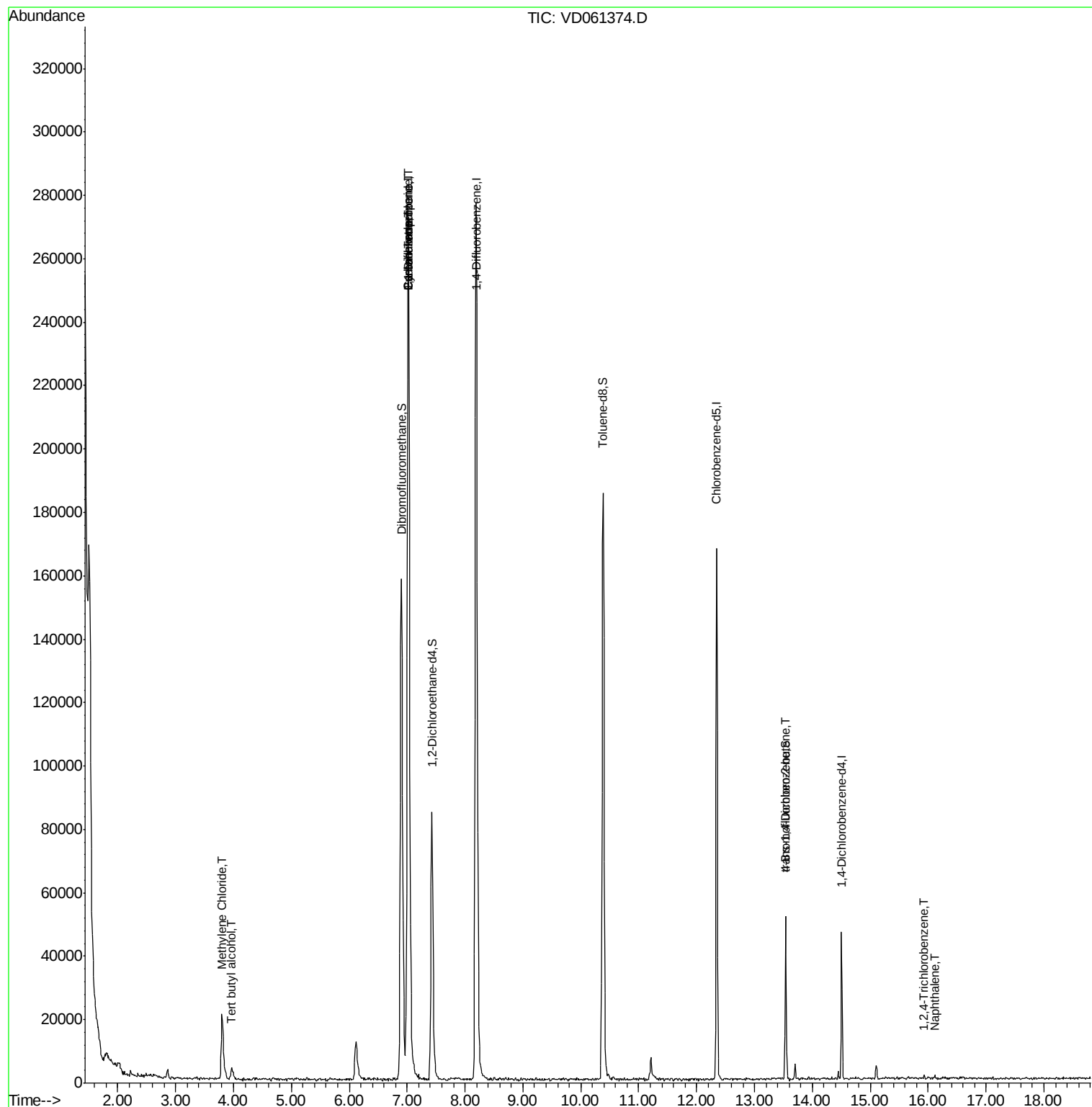
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	297477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	359710	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	103403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	11343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	84882	33.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.80%	
35) Dibromofluoromethane	6.90	113	153288	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
50) Toluene-d8	10.39	98	172497	26.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.32%	
62) 4-Bromofluorobenzene	13.54	95	16879	6.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	13.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.97	59	2648	16.732	ug/l #	76
20) Methylene Chloride	3.80	84	15755	2.481	ug/l	93
31) Cyclohexane	7.02	56	4402	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	21444	6.831	ug/l #	45
38) Carbon Tetrachloride	7.02	117	28495	7.971	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	6262	125.343	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.93	180	507	3.424	ug/l #	65
95) Naphthalene	16.11	128	899	3.983	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061374.D

Acq: 28 Mar 2019 3:10

Instrument :

MSVOA_D

ClientSampleId :

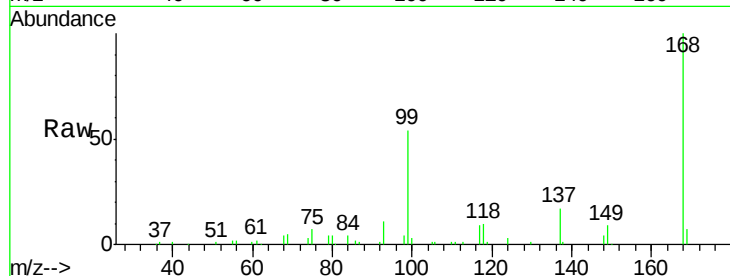
CS-21

Tot Ion:168 Resp: 297477

Ion Ratio Lower Upper

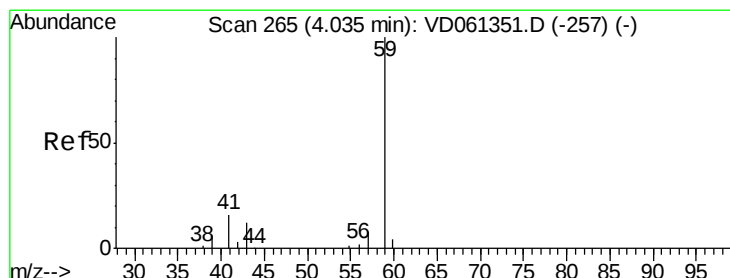
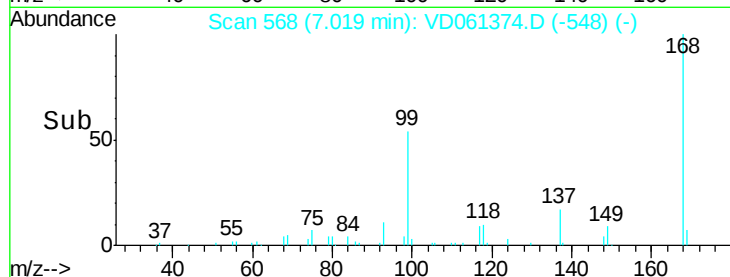
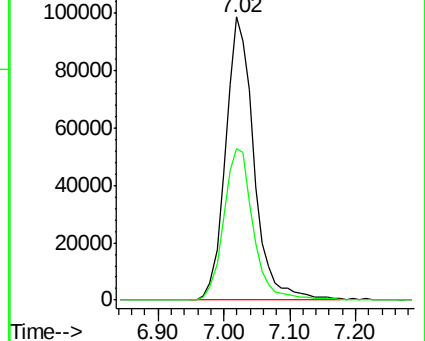
168 100

99 53.6 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: 16.732 ug/l

RT: 3.97 min Scan# 258

Delta R.T. -0.07 min

Lab File: VD061374.D

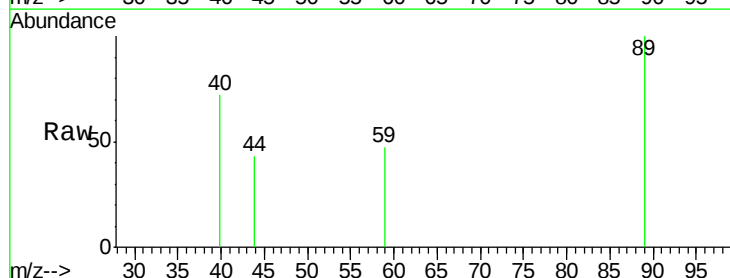
Acq: 28 Mar 2019 3:10

Tgt Ion: 59 Resp: 2648

Ion Ratio Lower Upper

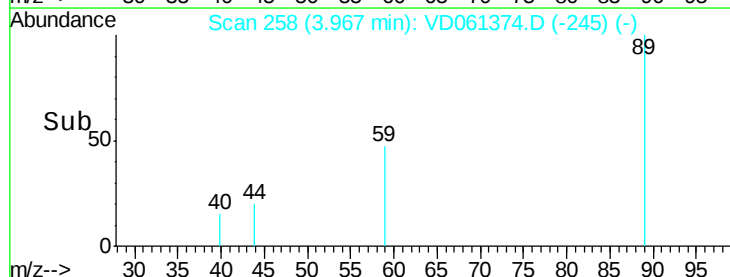
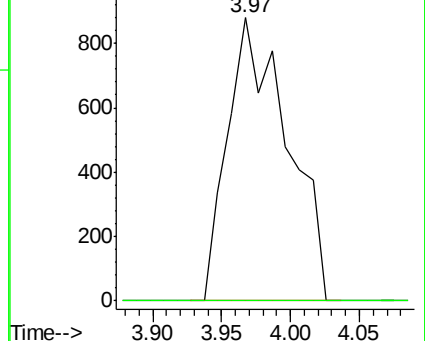
59 100

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





#20

Methylene Chloride

Concen: 2.481 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD061374.D

Acq: 28 Mar 2019 3:10

Instrument :

MSVOA_D

ClientSampleId :

CS-21

Tot Ion: 84 Resp: 15755

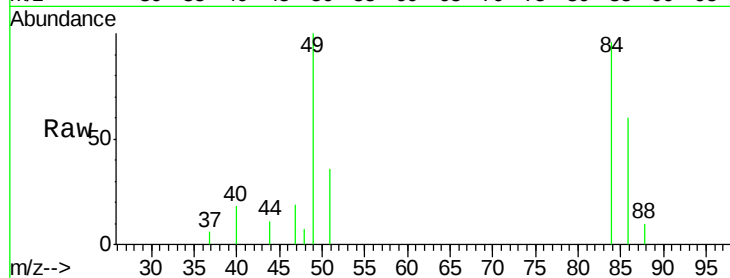
Ion Ratio Lower Upper

84 100

49 103.7 91.8 137.8

51 37.8 29.8 44.8

86 61.8 51.8 77.6

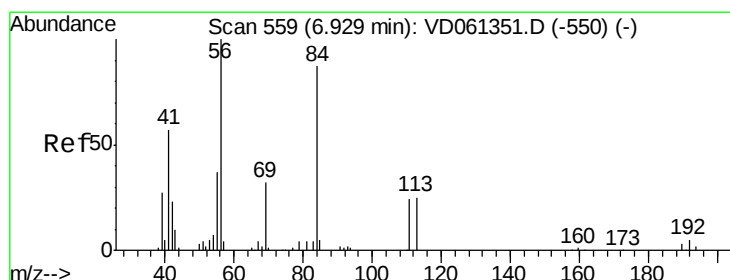
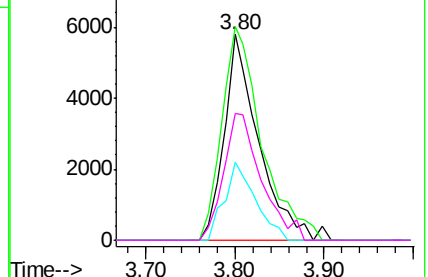
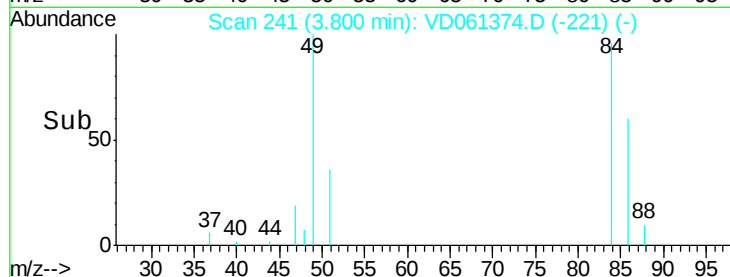


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.006 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.09 min

Lab File: VD061374.D

Acq: 28 Mar 2019 3:10

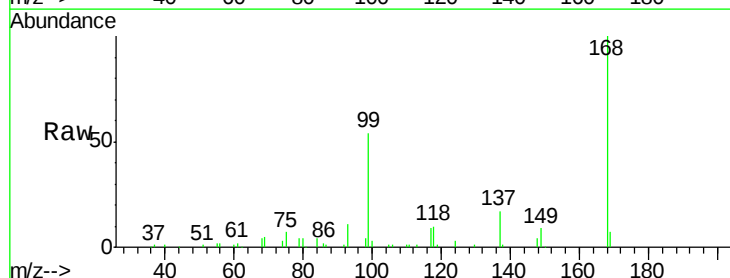
Tgt Ion: 56 Resp: 4402

Ion Ratio Lower Upper

56 100

69 258.3 25.7 38.5#

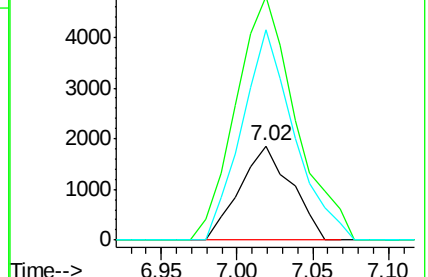
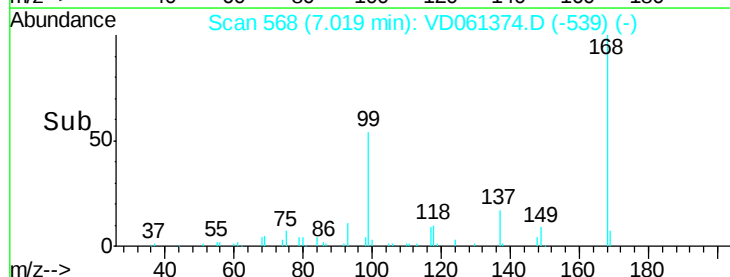
84 222.9 70.6 105.8#



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

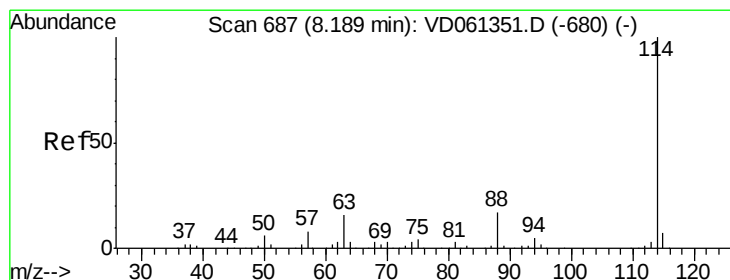
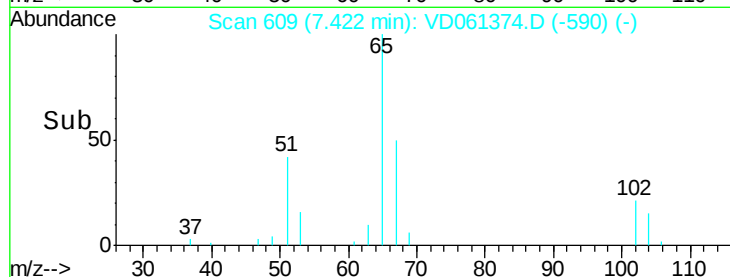
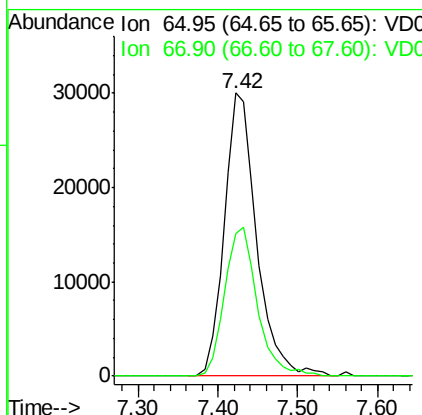
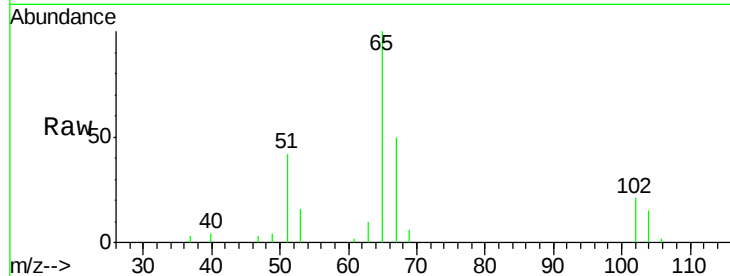




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

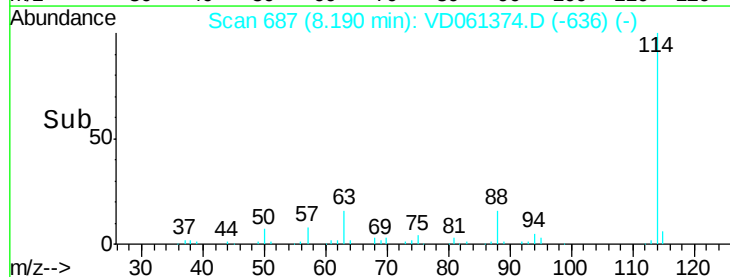
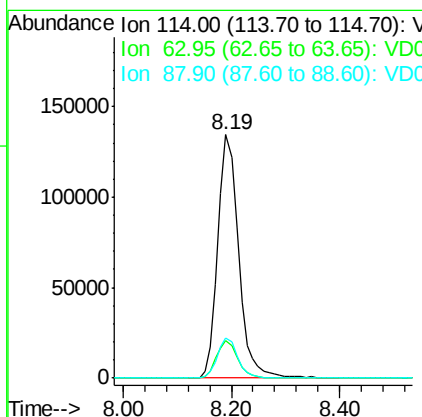
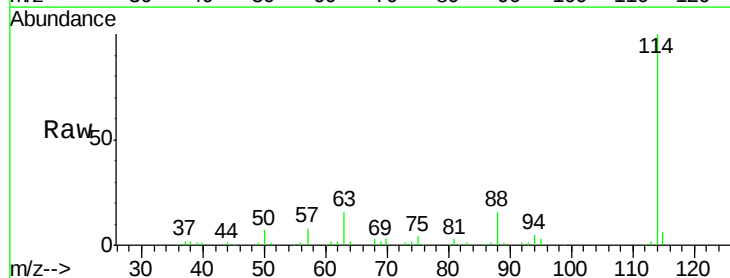
Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

Tot Ion: 65 Resp: 84882
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

Tgt Ion:114 Resp: 359710
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 16.3 0.0 33.4

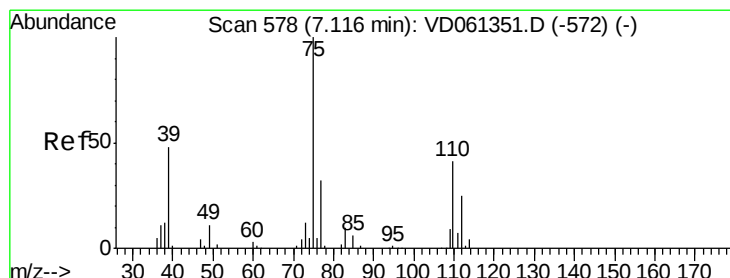
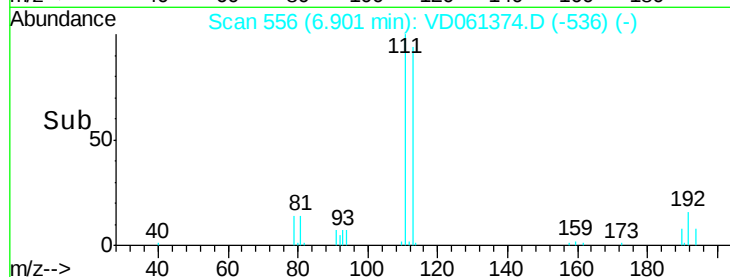
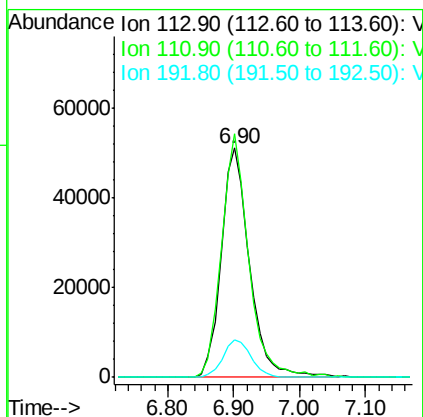
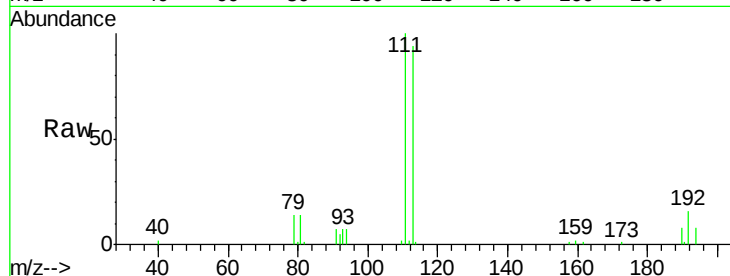




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

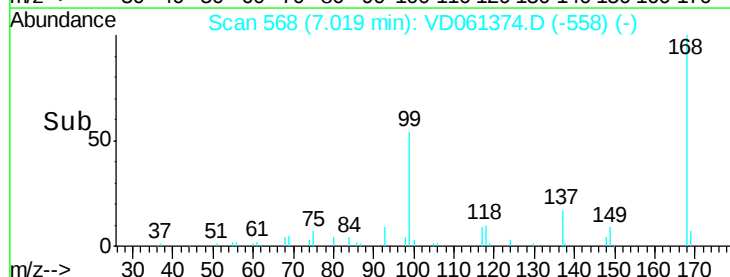
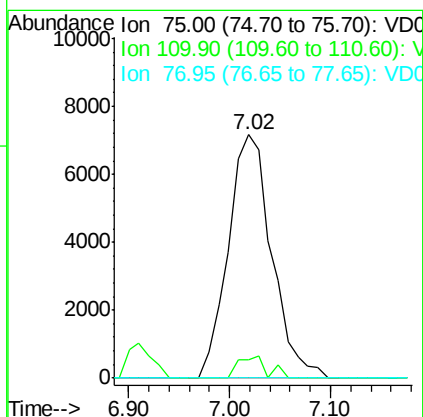
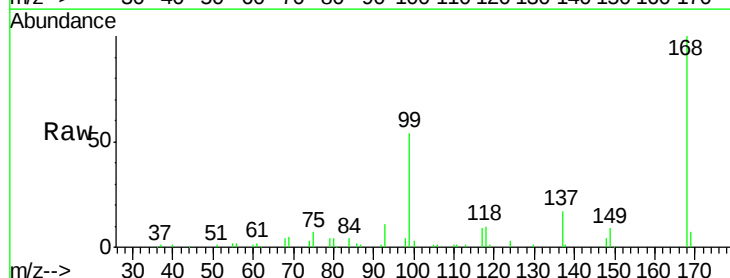
Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

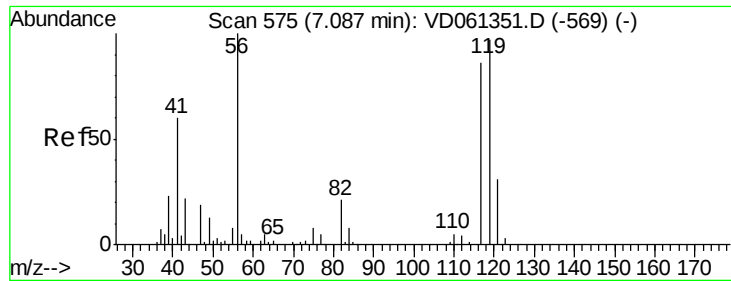
Tot Ion:113 Resp: 153288
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.0 121.6
 192 16.6 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 6.831 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

Tgt Ion: 75 Resp: 21444
 Ion Ratio Lower Upper
 75 100
 110 7.4 20.4 61.3#
 77 0.0 24.9 37.3#

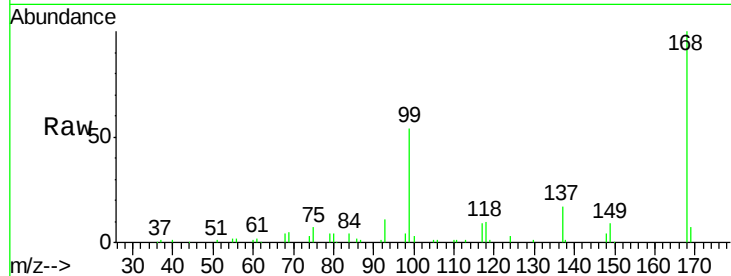




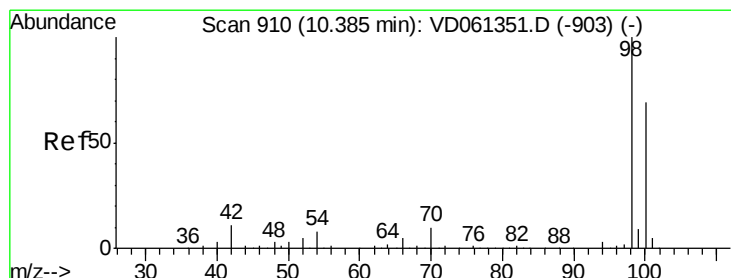
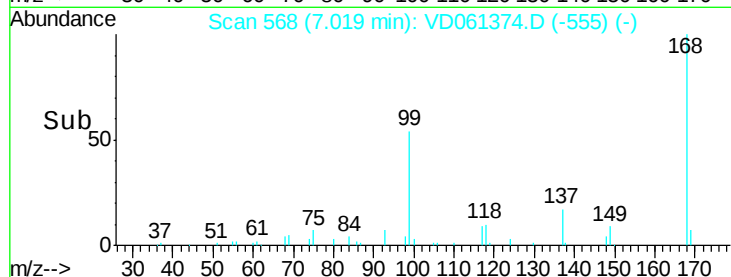
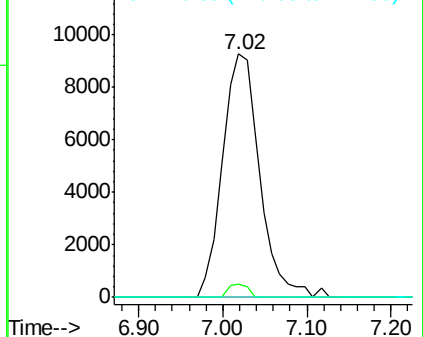
#38
Carbon Tetrachloride
Concen: 7.971 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.07 min
Lab File: VD061374.D
Acq: 28 Mar 2019 3:10

Instrument :
MSVOA_D
ClientSampled :
CS-21

Tot Ion:117 Resp: 28495
Ion Ratio Lower Upper
117 100
119 5.6 80.1 120.1#
121 0.0 25.6 38.4#

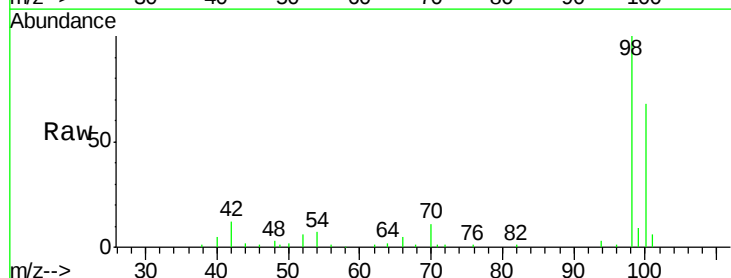


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

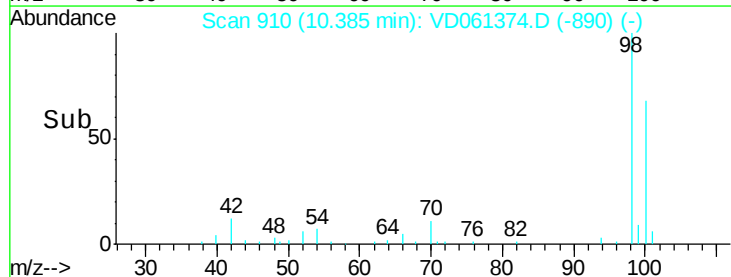
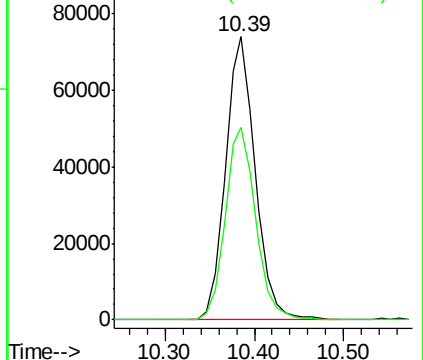


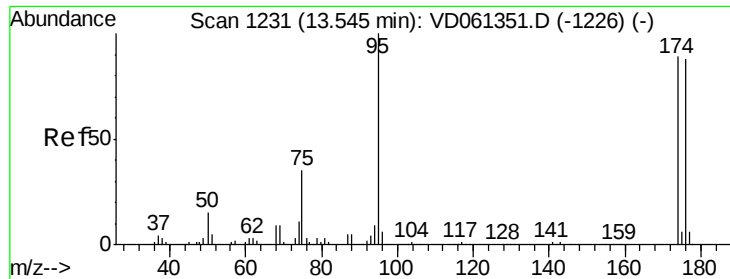
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061374.D
Acq: 28 Mar 2019 3:10

Tgt Ion: 98 Resp: 172497
Ion Ratio Lower Upper
98 100
100 68.1 56.2 84.2



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

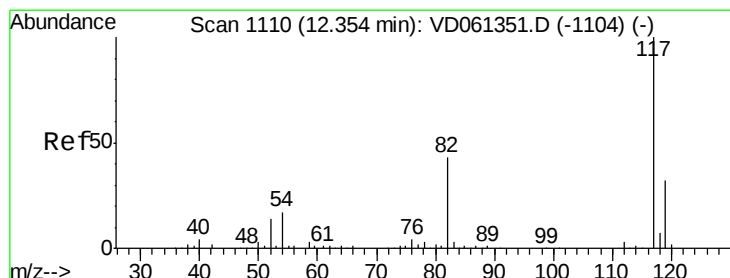
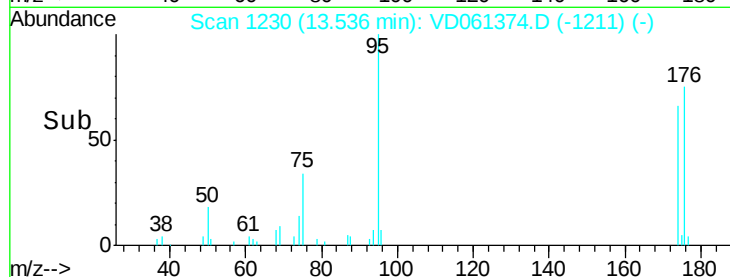
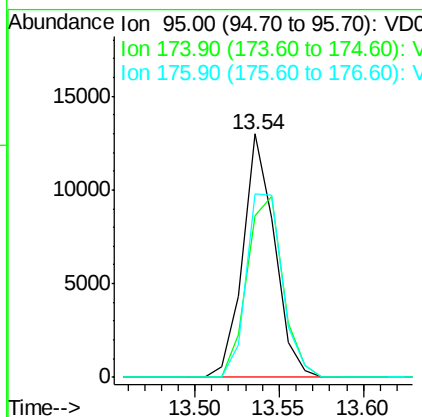
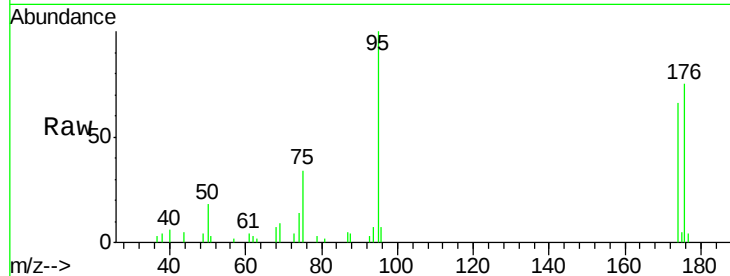




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061374.D
Acq: 28 Mar 2019 3:10

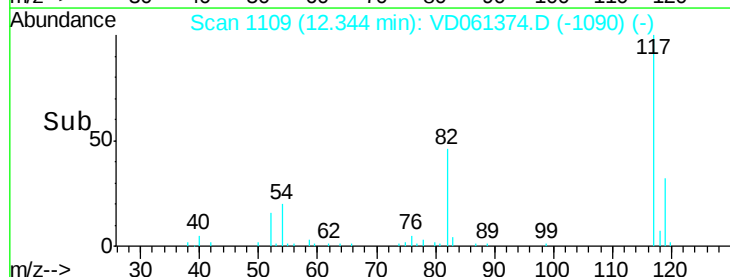
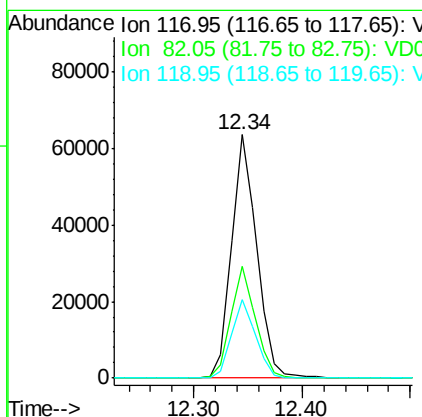
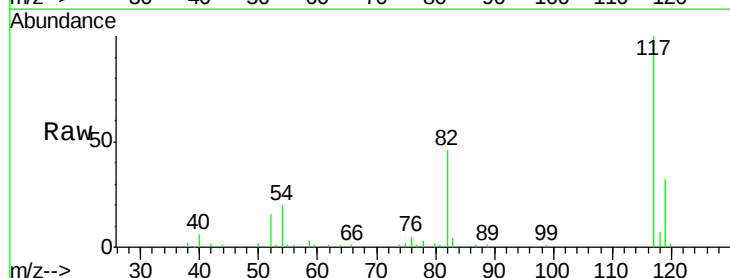
Instrument :
MSVOA_D
ClientSampleId :
CS-21

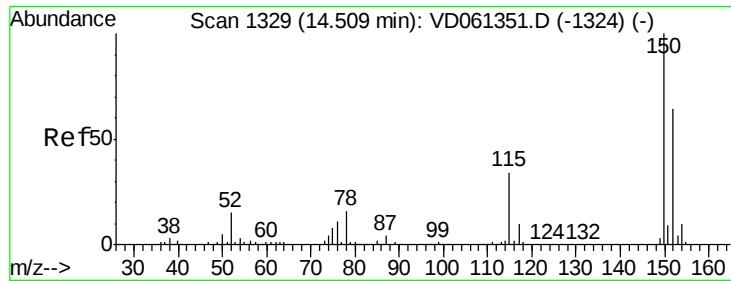
Tot Ion: 95 Resp: 16879
Ion Ratio Lower Upper
95 100
174 66.2 0.0 178.0
176 75.2 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061374.D
Acq: 28 Mar 2019 3:10

Tgt Ion: 117 Resp: 103403
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD061374.D

Acq: 28 Mar 2019 3:10

Instrument :

MSVOA_D

ClientSampleId :

CS-21

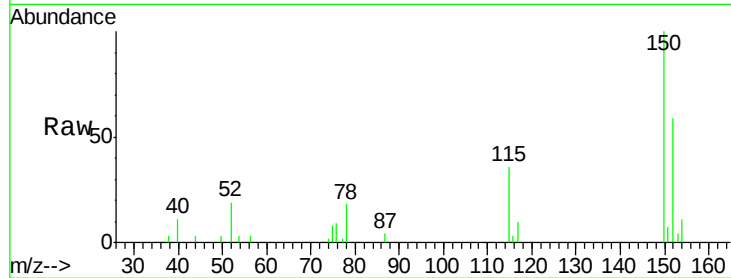
Tot Ion:152 Resp: 11343

Ion Ratio Lower Upper

152 100

115 61.5 26.9 80.6

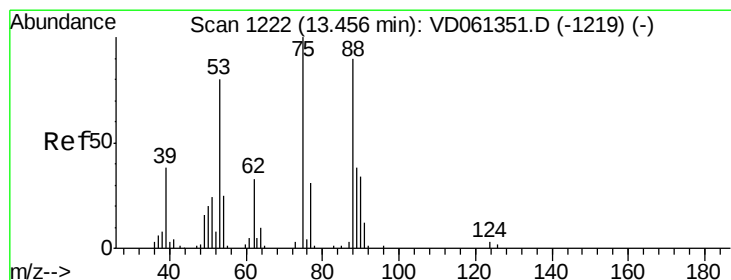
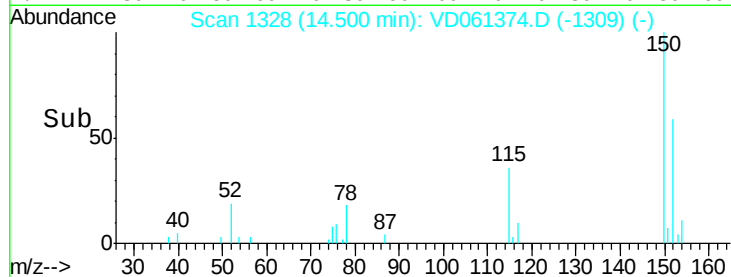
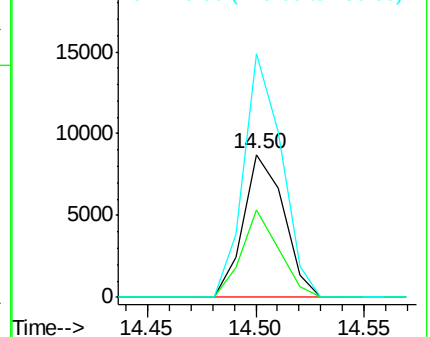
150 170.2 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 125.343 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061374.D

Acq: 28 Mar 2019 3:10

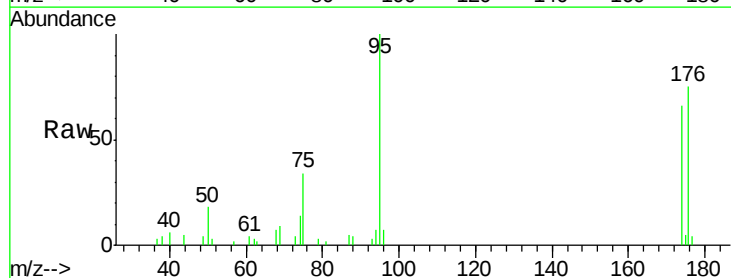
Tgt Ion: 75 Resp: 6262

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

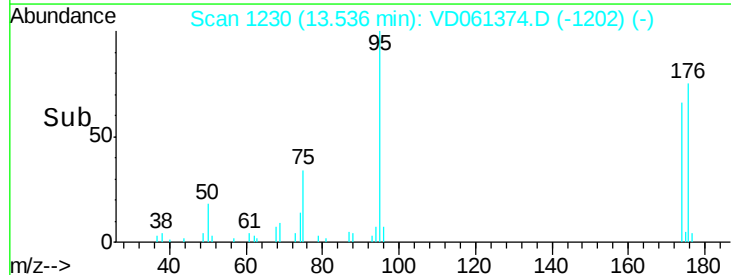
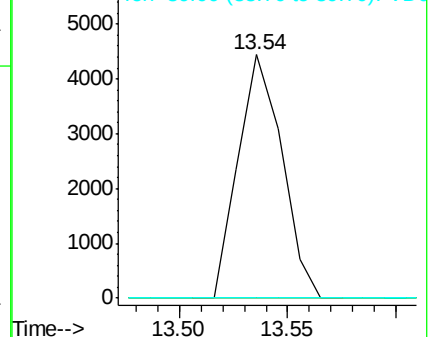
89 0.0 30.5 45.7#

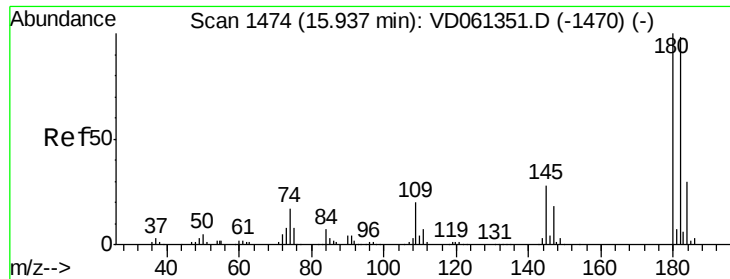


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

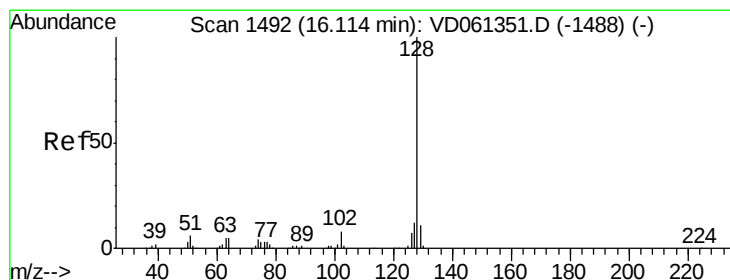
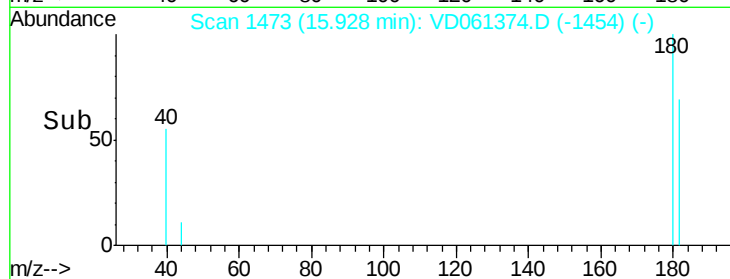
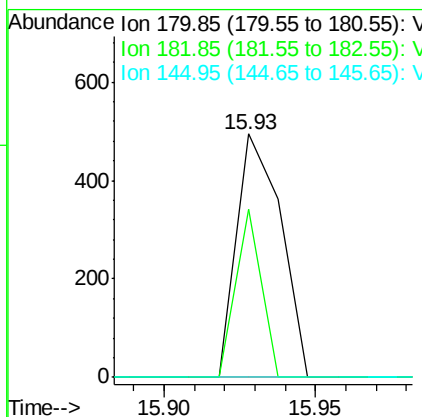
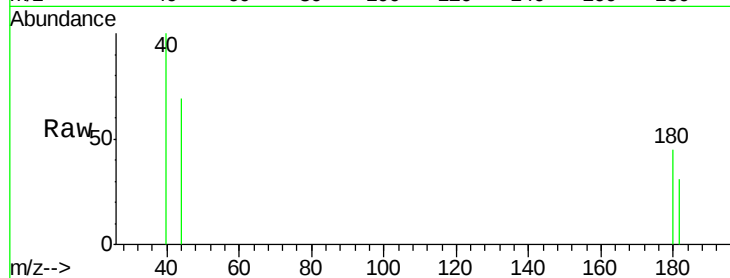




#93
 1,2,4-Trichlorobenzene
 Concen: 3.424 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-21

Tot Ion:180 Resp: 507
 Ion Ratio Lower Upper
 180 100
 182 69.1 48.9 146.8
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 3.983 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VD061374.D
 Acq: 28 Mar 2019 3:10

Tgt Ion:128 Resp: 899
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 8.9 13.3#

