

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061399.D
 Acq On : 28 Mar 2019 19:04
 Operator : VA/AP
 Sample : K2097-03RE
 Misc : 2.53g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-22RE

Quant Time: Mar 29 01:21:34 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

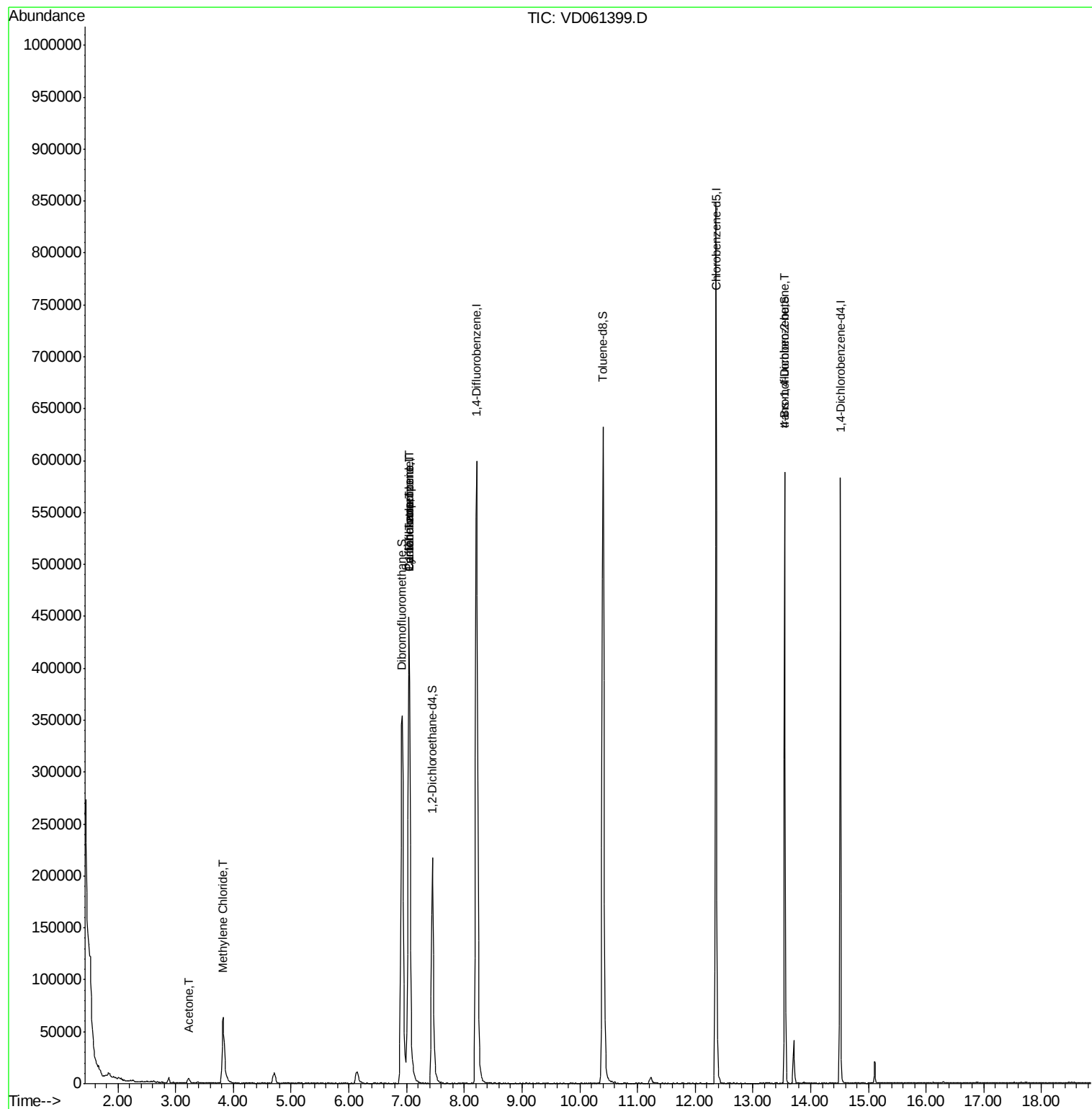
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	465653	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	778371	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	507391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	138948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	207433	52.15	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	6.92	113	354343	59.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	119.14%	
50) Toluene-d8	10.41	98	629033	44.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.18%	
62) 4-Bromofluorobenzene	13.55	95	179521	32.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	10559	10.326	ug/l	96
20) Methylene Chloride	3.82	84	51804	7.408	ug/l	90
31) Cyclohexane	7.03	56	7534	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	33046	4.864	ug/l #	47
38) Carbon Tetrachloride	7.04	117	45155	5.784	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	65117	106.404	ug/l #	18

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA_D

ClientSampleId :

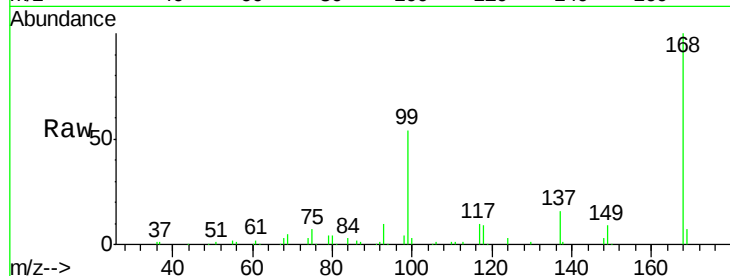
CS-22RE

Tot Ion:168 Resp: 465653

Ion Ratio Lower Upper

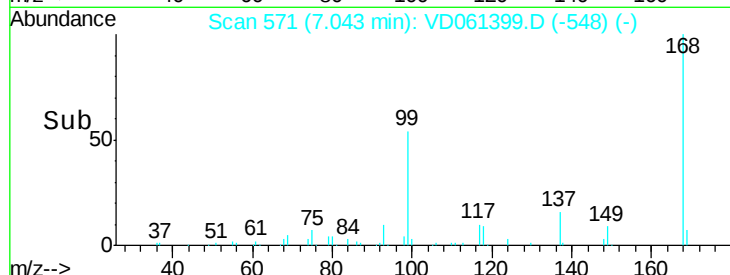
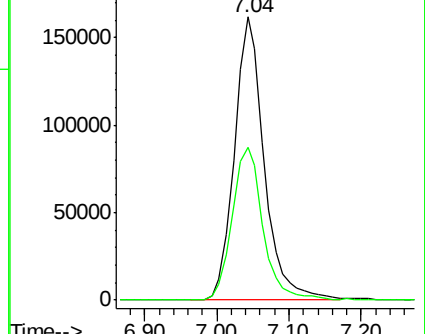
168 100

99 54.2 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: 10.326 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061399.D

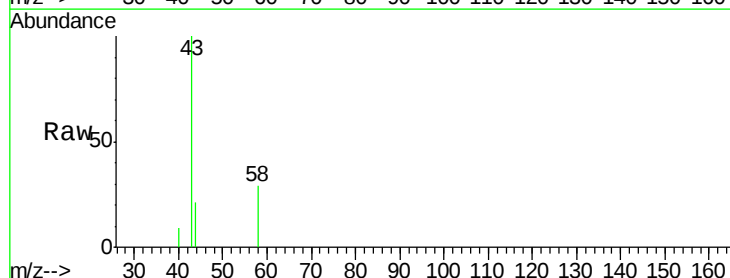
Acq: 28 Mar 2019 19:04

Tgt Ion: 43 Resp: 10559

Ion Ratio Lower Upper

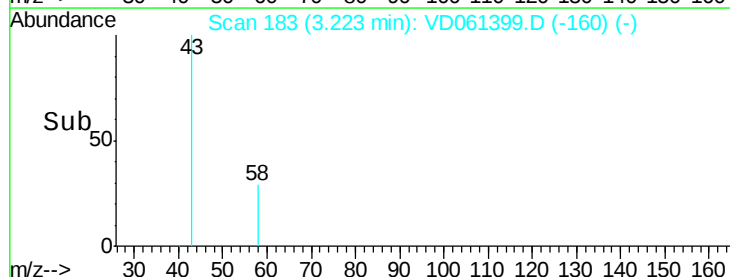
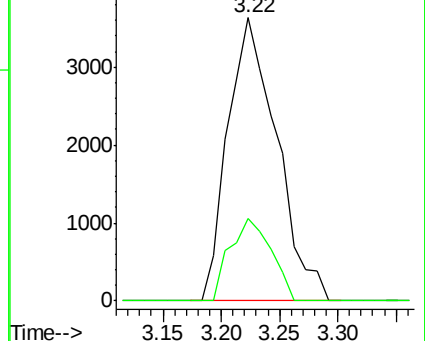
43 100

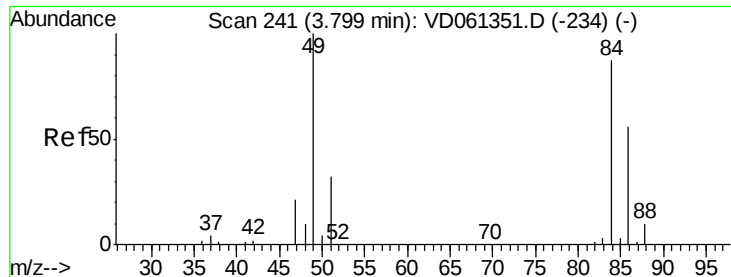
58 29.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

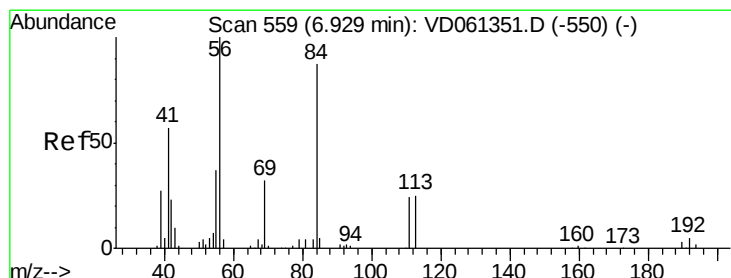
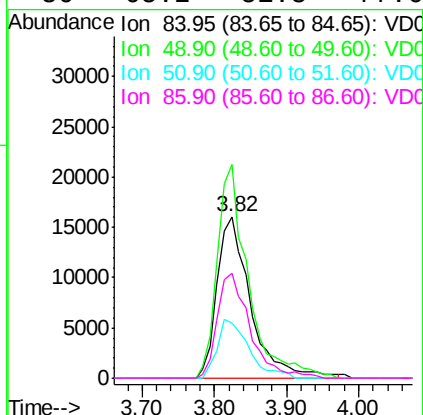
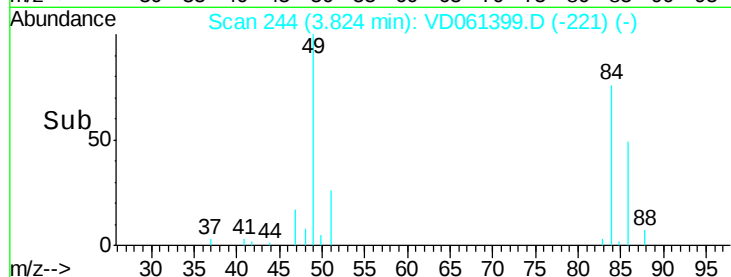
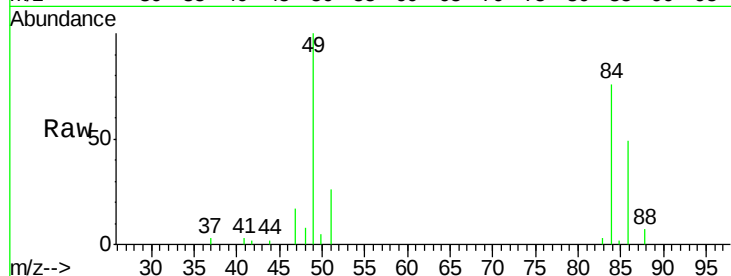




#20
Methvlene Chloride
Concen: 7.408 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

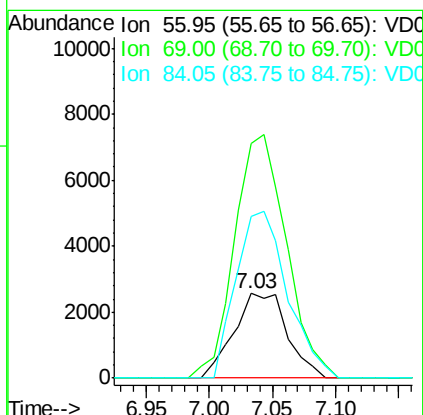
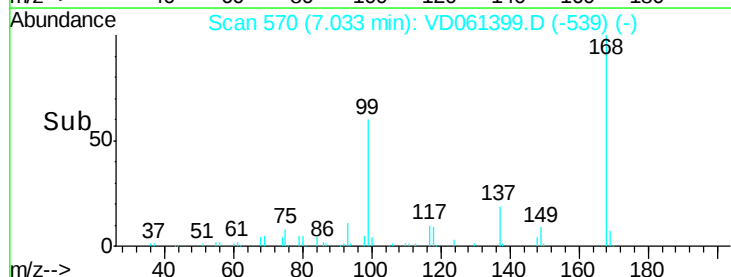
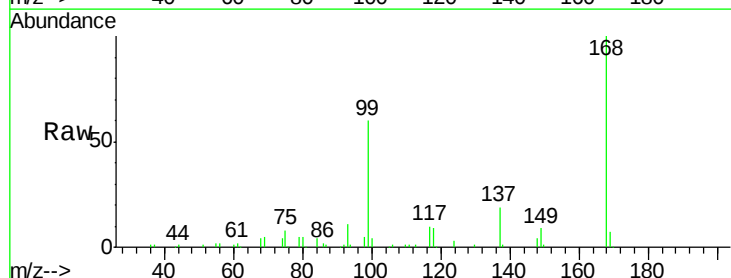
Instrument :
MSVOA_D
ClientSampleId :
CS-22RE

Tot Ion:	84	Resp:	51804
Ion	Ratio	Lower	Upper
84	100		
49	132.0	91.8	137.8
51	33.7	29.8	44.8
86	65.2	51.8	77.6



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

Tgt Ion:	56	Resp:	7534
Ion	Ratio	Lower	Upper
56	100		
69	277.2	25.7	38.5#
84	191.7	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA_D

ClientSampled :

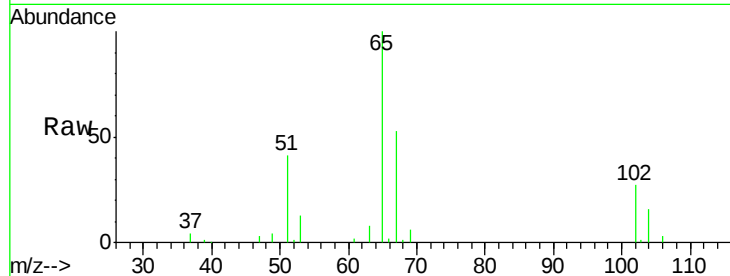
CS-22RE

Tot Ion: 65 Resp: 207433

Ion Ratio Lower Upper

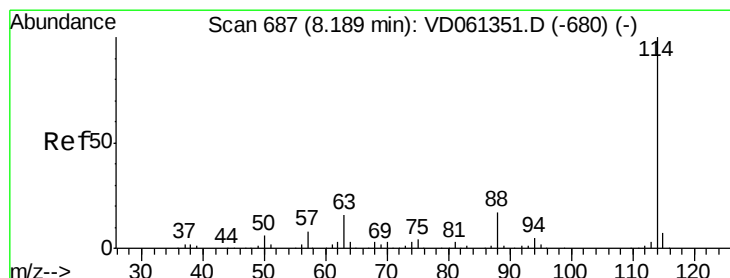
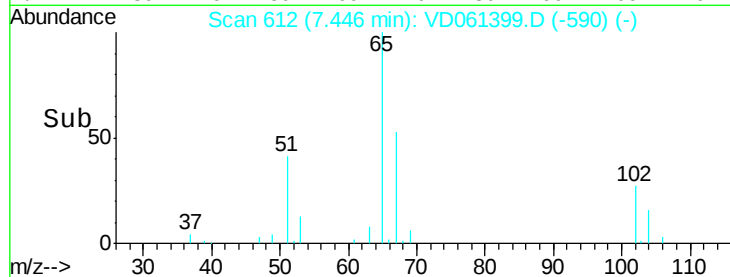
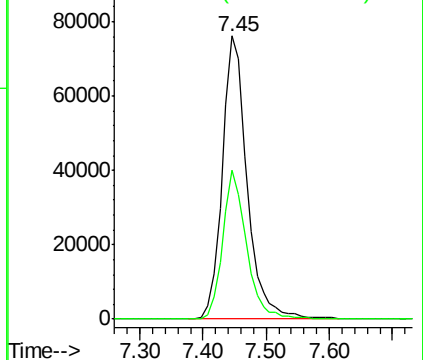
65 100

67 52.5 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: VD061399.D

Acq: 28 Mar 2019 19:04

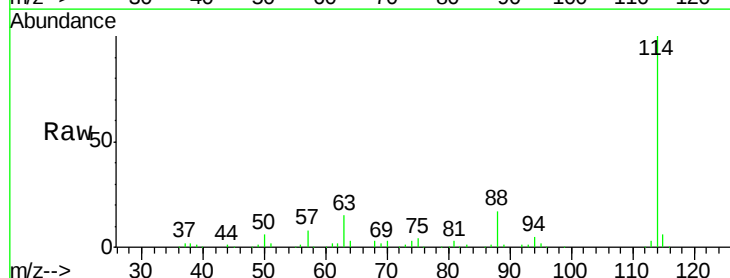
Tgt Ion: 114 Resp: 778371

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.6

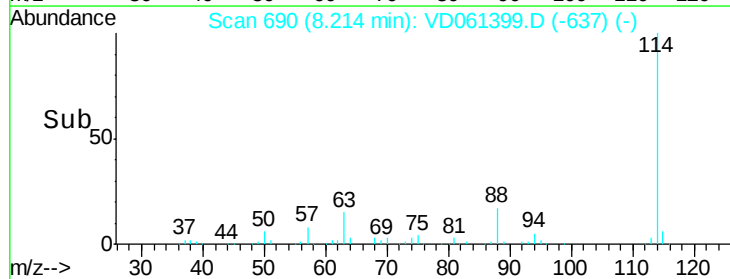
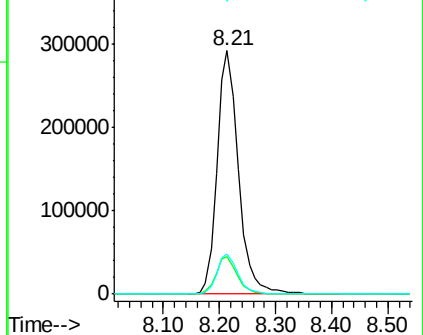
88 16.7 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

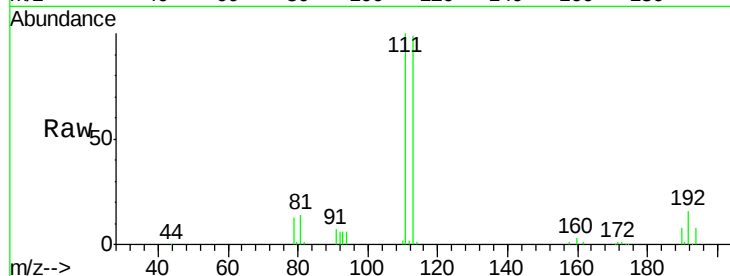




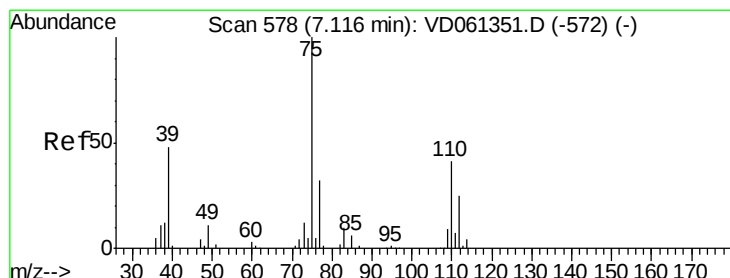
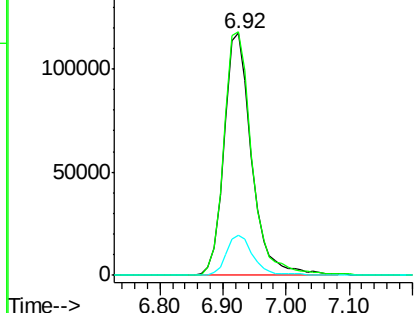
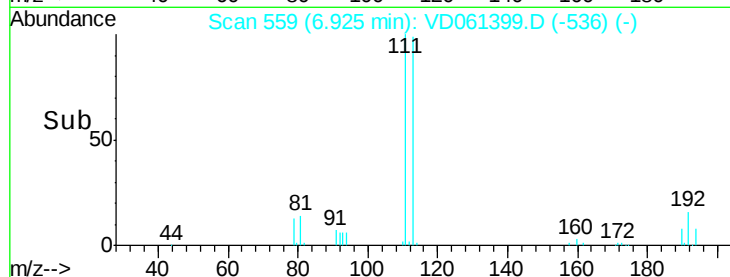
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 559
Delta R.T. 0.02 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

Instrument :
MSVOA_D
ClientSampleId :
CS-22RE

Tot Ion:113 Resp: 354343
Ion Ratio Lower Upper
113 100
111 100.7 81.0 121.6
192 16.6 14.4 21.6

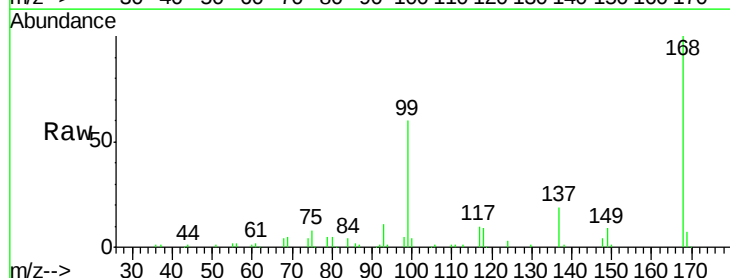


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

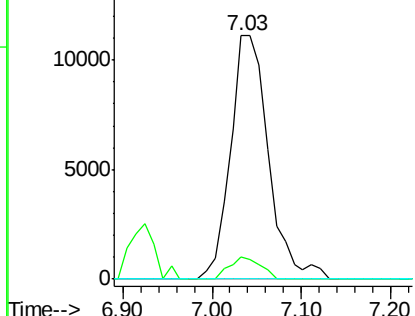
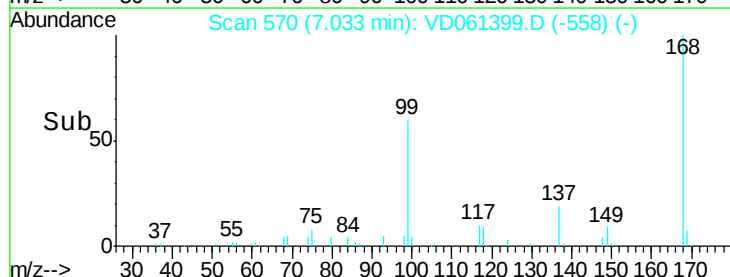


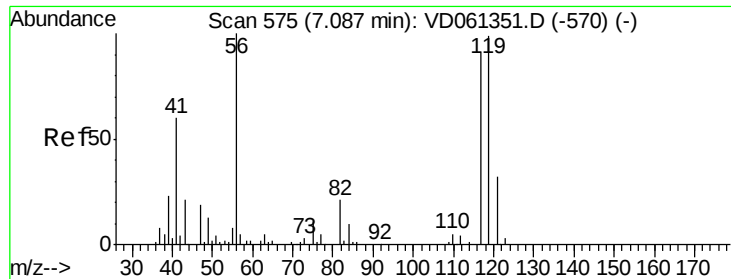
#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

Tgt Ion: 75 Resp: 33046
Ion Ratio Lower Upper
75 100
110 9.1 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): V
Ion 76.95 (76.65 to 77.65): VDC

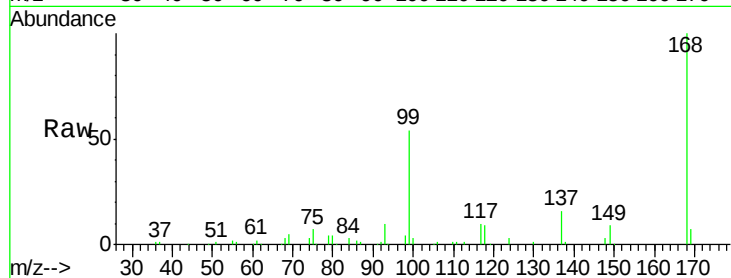




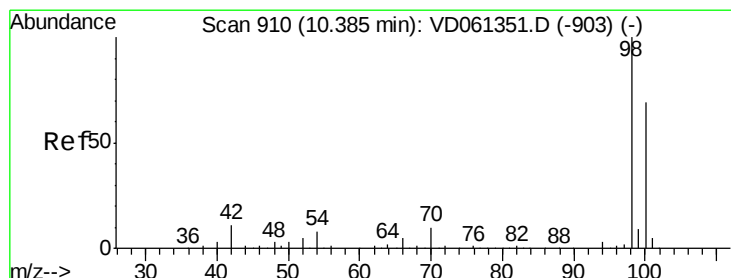
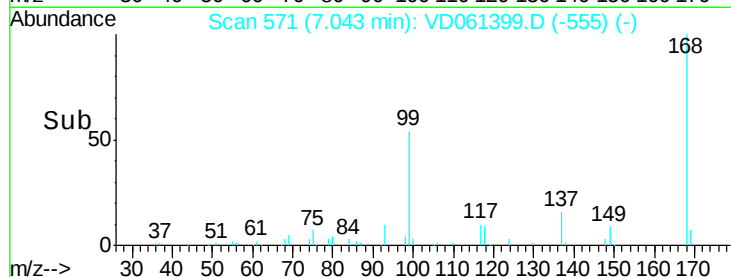
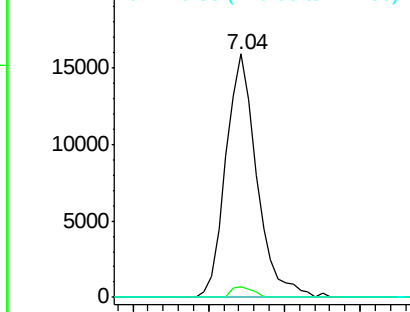
#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

Instrument :
MSVOA_D
ClientSampleId :
CS-22RE

Tot Ion:117 Resp: 45155
Ion Ratio Lower Upper
117 100
119 4.2 80.1 120.1#
121 0.0 25.6 38.4#

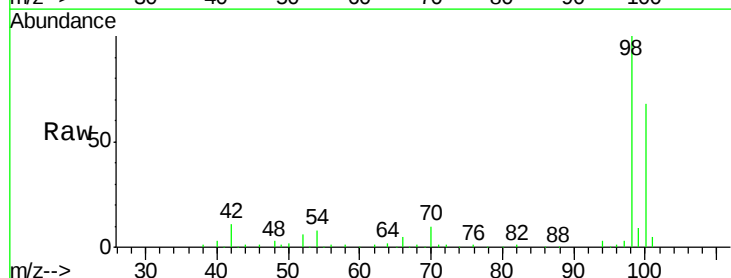


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

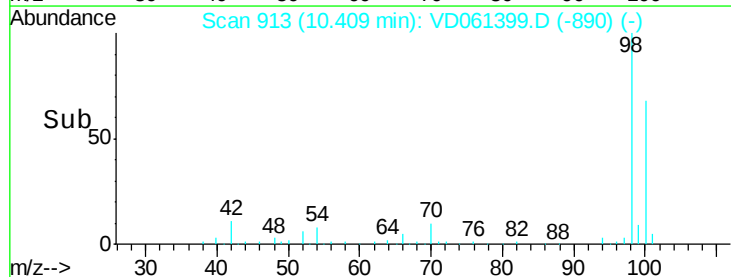
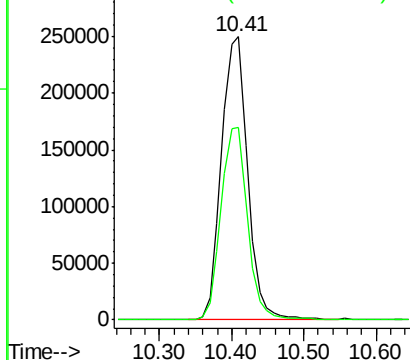


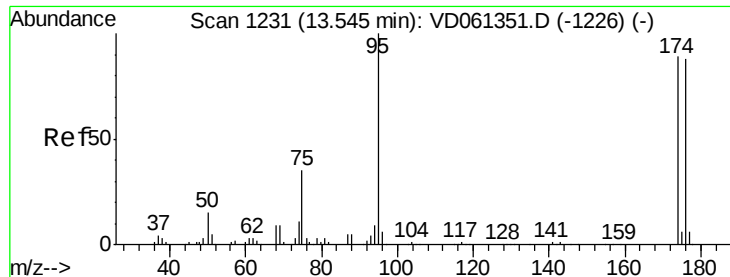
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061399.D
Acq: 28 Mar 2019 19:04

Tgt Ion: 98 Resp: 629033
Ion Ratio Lower Upper
98 100
100 67.8 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: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA_D

ClientSampleId :

CS-22RE

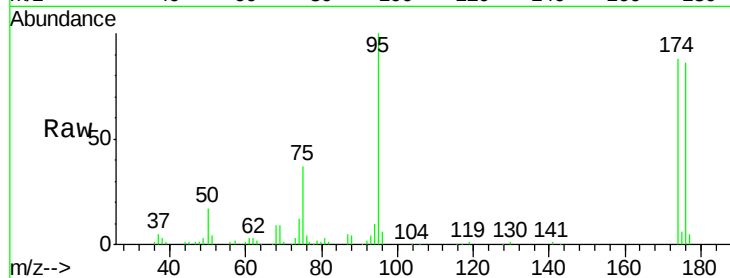
Tot Ion: 95 Resp: 179521

Ion Ratio Lower Upper

95 100

174 87.6 0.0 178.0

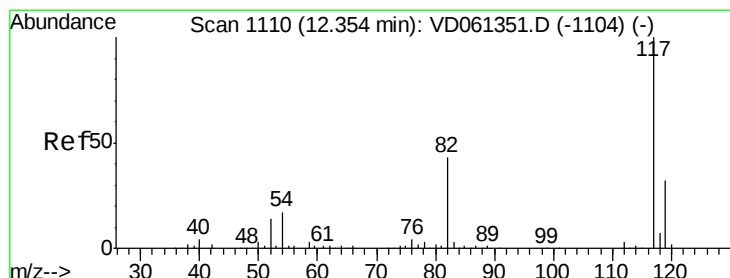
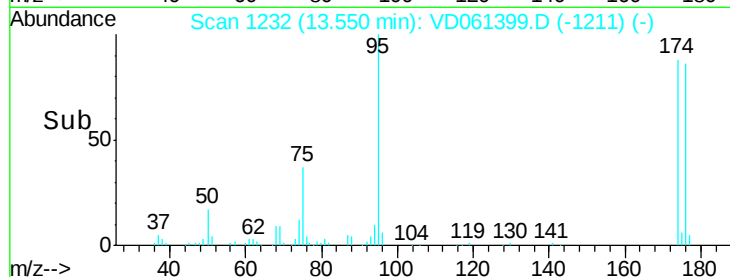
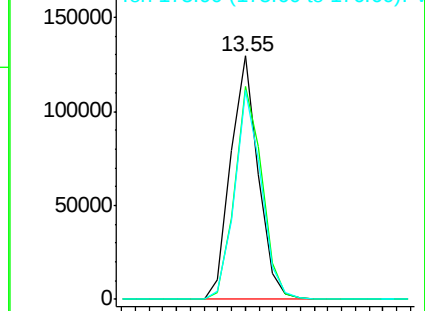
176 86.1 0.0 175.0



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

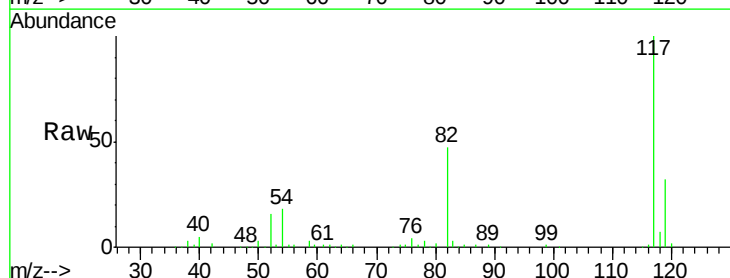
Tgt Ion: 117 Resp: 507391

Ion Ratio Lower Upper

117 100

82 46.6 34.4 51.6

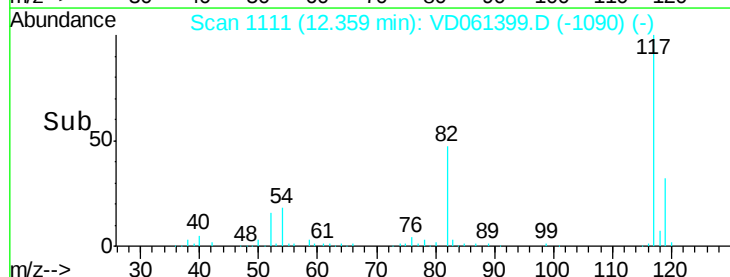
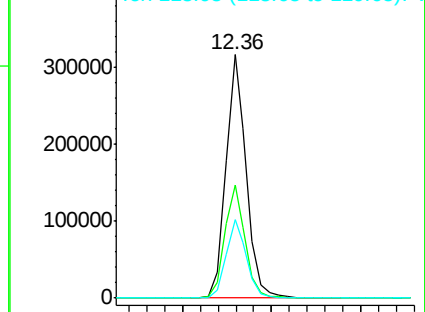
119 32.2 25.8 38.6

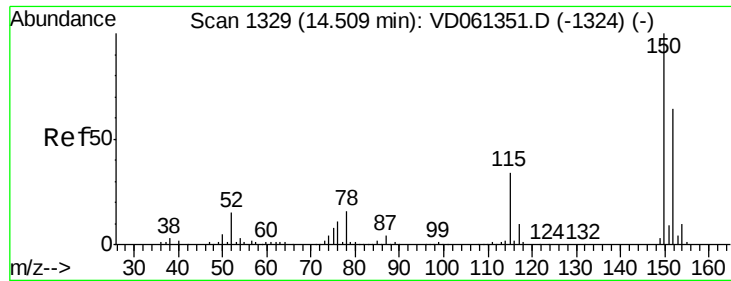


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.01 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA_D

ClientSampleId :

CS-22RE

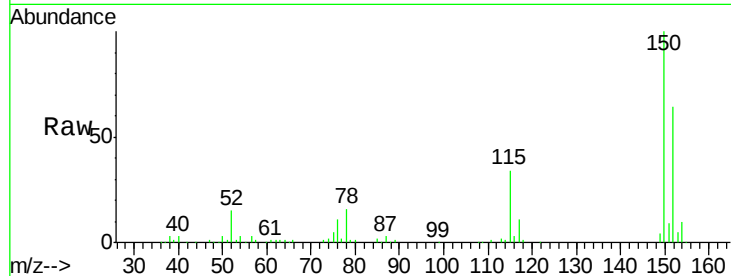
Tot Ion:152 Resp: 138948

Ion Ratio Lower Upper

152 100

115 52.9 26.9 80.6

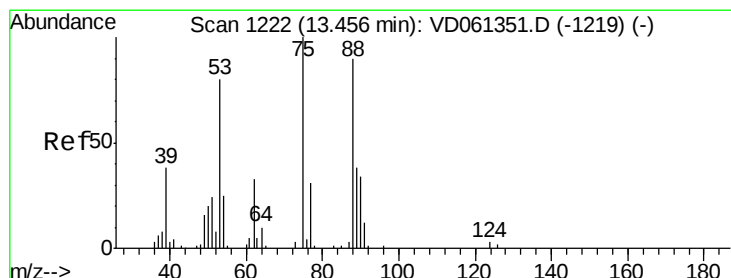
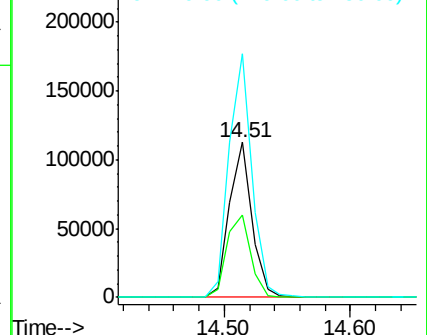
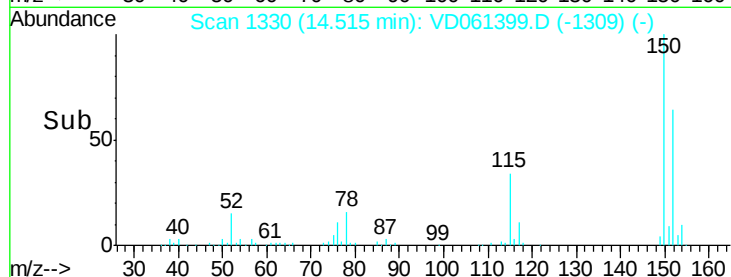
150 157.1 0.0 318.0



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: 106.404 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

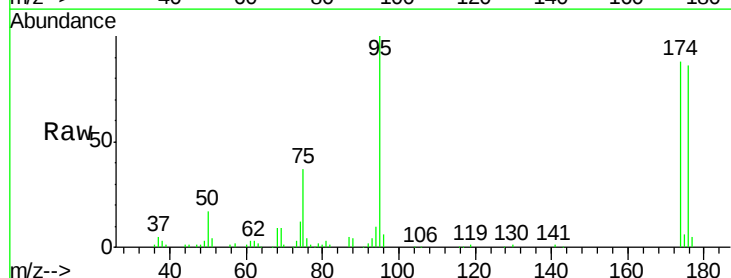
Tgt Ion: 75 Resp: 65117

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

