

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061270.D
 Acq On : 22 Mar 2019 19:32
 Operator : VA/AP
 Sample : K2004-12RE
 Misc : 5.61g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-23(4-5)RE

Quant Time: Mar 22 23:29:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	439435	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.27	114	710705	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	402564	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.54	152	80812	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	223712	61.16	ug/l	0.05
Spiked Amount			Recovery	=	122.32%	
35) Dibromofluoromethane	6.98	113	343497	65.13	ug/l	0.05
Spiked Amount			Recovery	=	130.26%	
50) Toluene-d8	10.45	98	602231	45.47	ug/l	0.05
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	13.57	95	111023	21.60	ug/l	0.02
Spiked Amount			Recovery	=	43.20%	

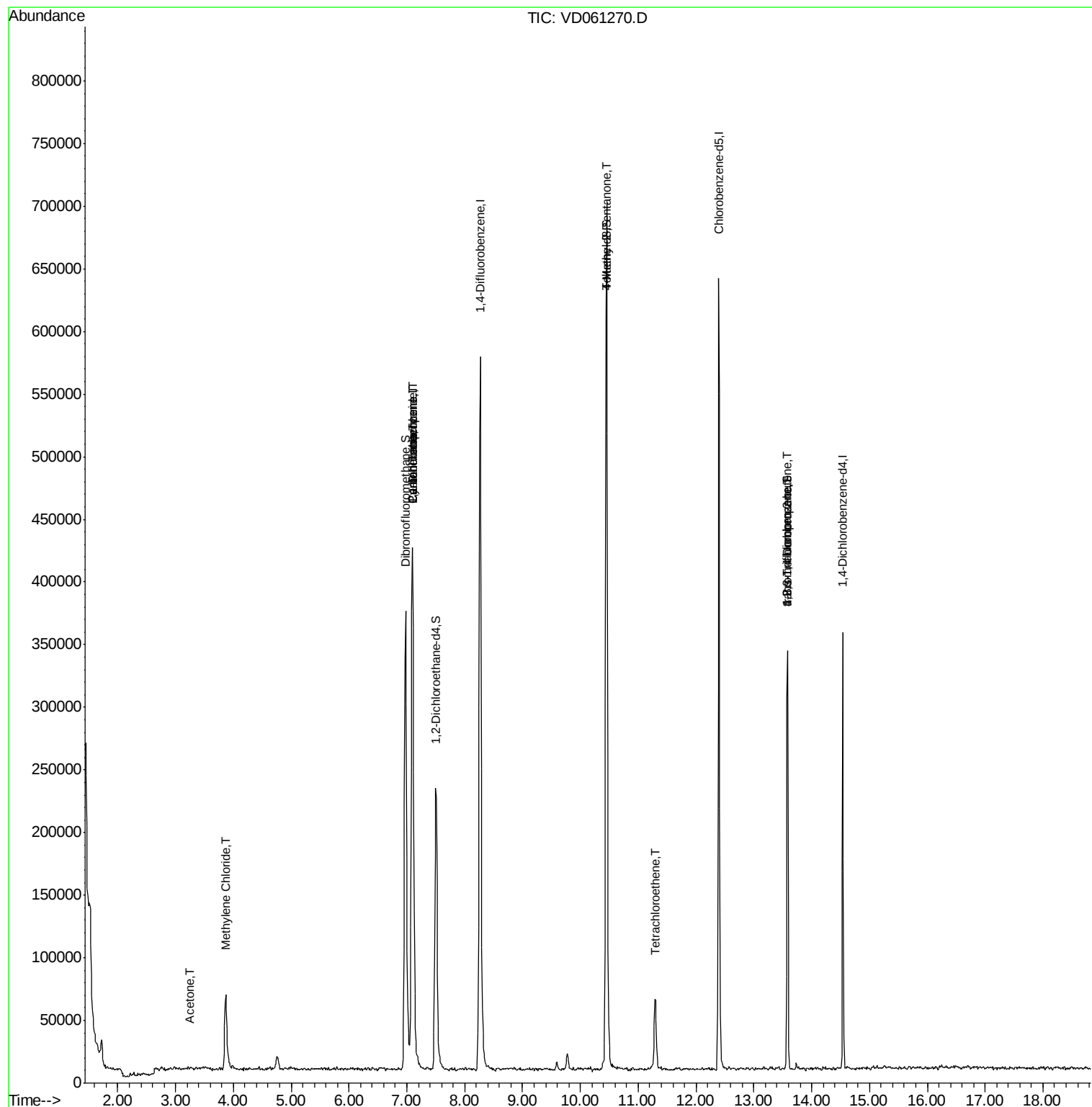
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.26	43	1075	1.028	ug/l #	48
20) Methylene Chloride	3.87	84	48814	6.145	ug/l	97
31) Cyclohexane	7.09	56	7213	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.10	75	30208	4.931	ug/l #	45
38) Carbon Tetrachloride	7.10	117	42748	6.335	ug/l #	15
51) 4-Methyl-2-Pentanone	10.45	43	3700	1.517	ug/l #	1
64) Tetrachloroethene	11.30	164	18192	6.694	ug/l	87
76) 1,2,3-Trichloropropane	13.58	75	40650	34.964	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	40653	118.603	ug/l #	17

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

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SB-23(4-5)RE

Quant Time: Mar 22 23:29:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

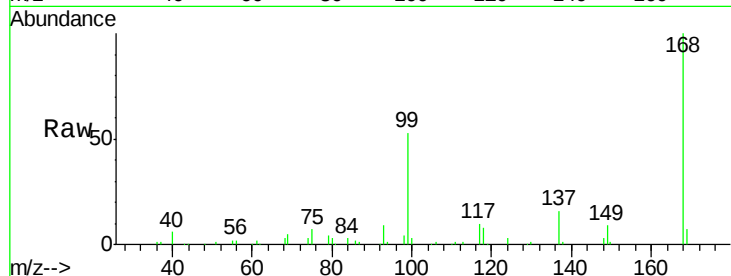
SB-23(4-5)RE

Tot Ion:168 Resp: 439435

Ion Ratio Lower Upper

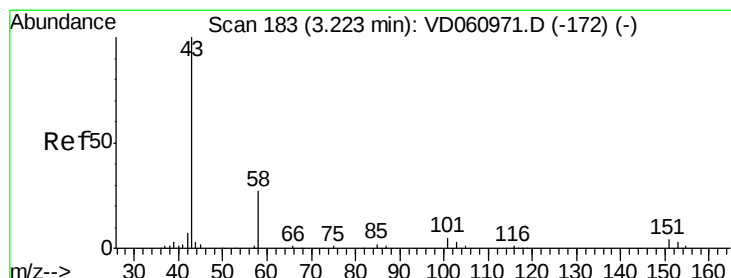
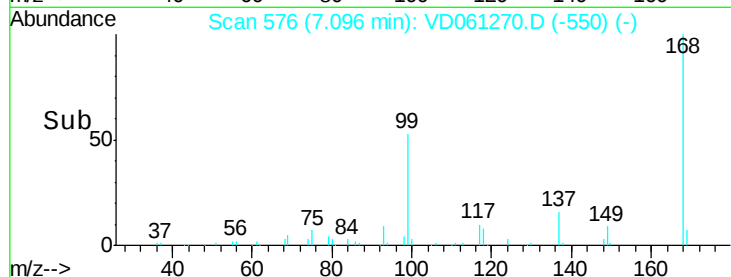
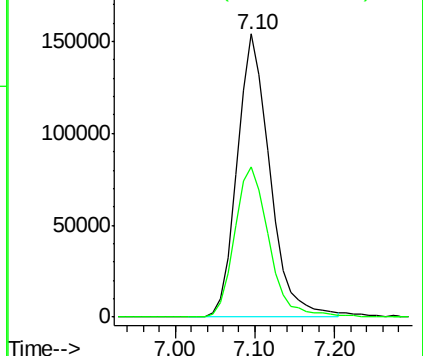
168 100

99 53.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1.028 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061270.D

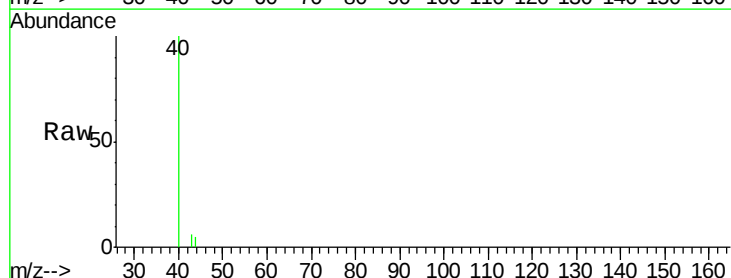
Acq: 22 Mar 2019 19:32

Tgt Ion: 43 Resp: 1075

Ion Ratio Lower Upper

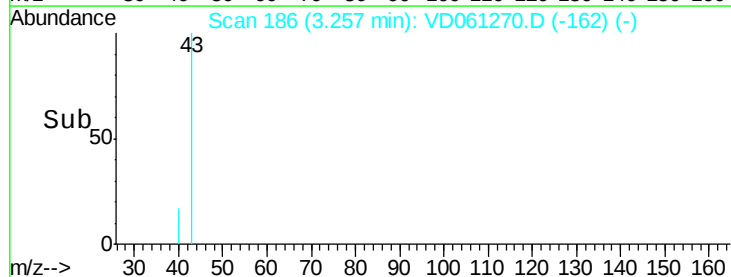
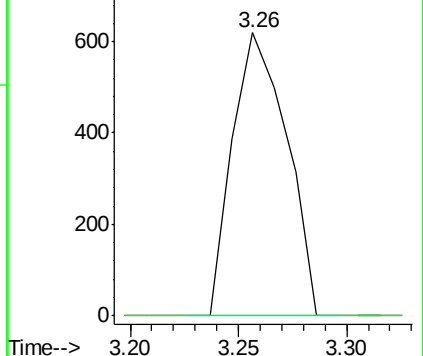
43 100

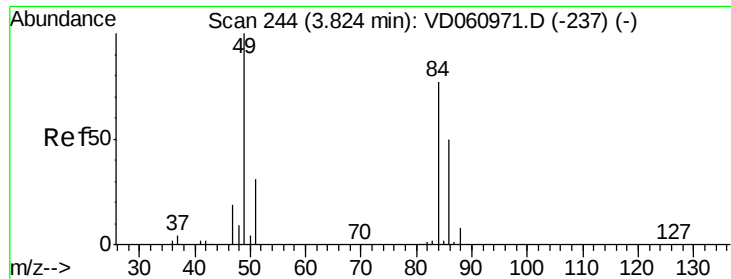
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

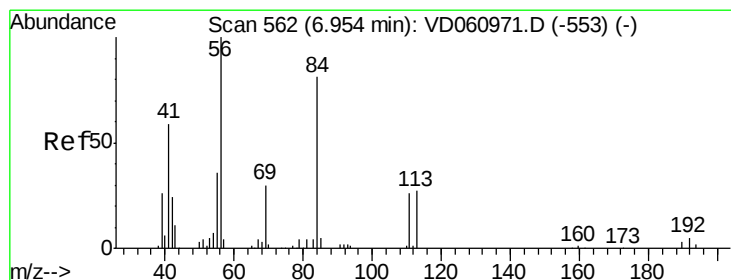
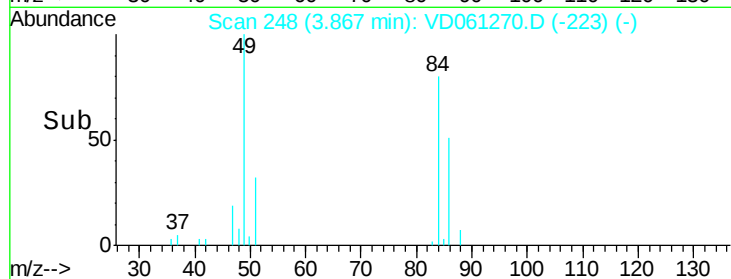
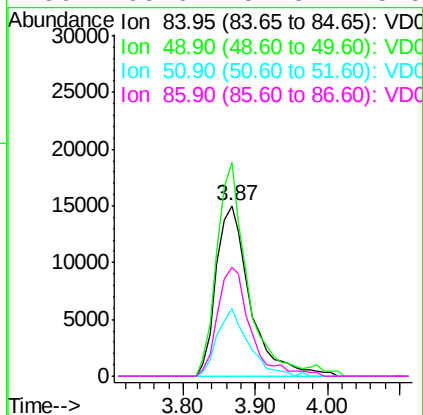
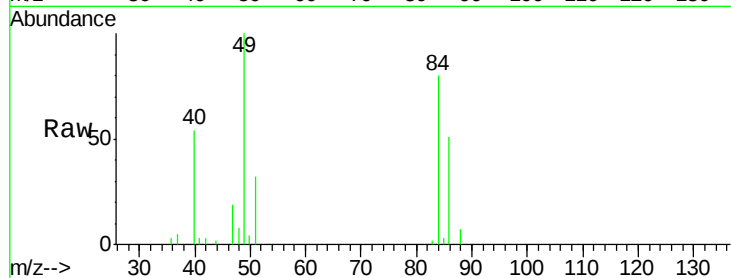




#20
Methvlene Chloride
Concen: 6.145 ug/l
RT: 3.87 min Scan# 248
Delta R.T. 0.04 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

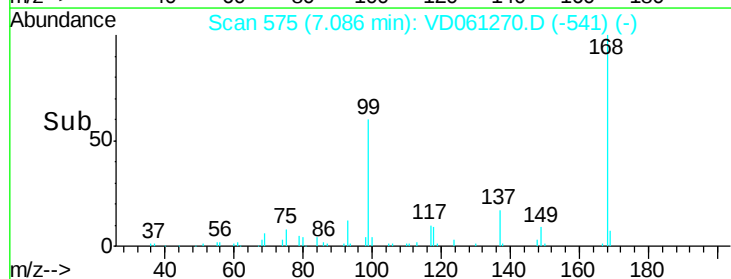
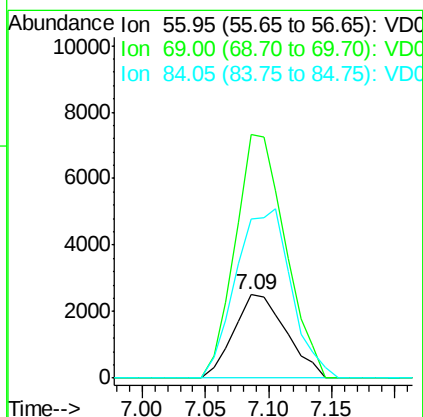
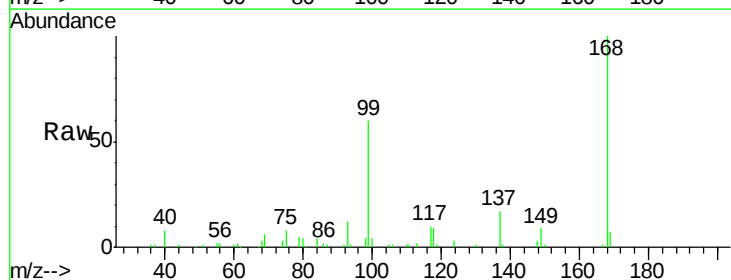
Instrument :
MSVOA_D
ClientSampleId :
SB-23(4-5)RE

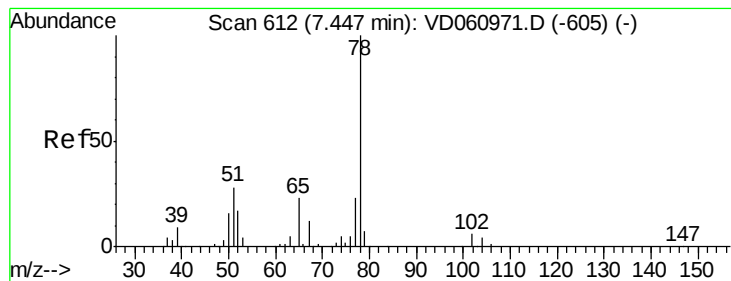
Tot Ion:	84	Resp:	48814
Ion	Ratio	Lower	Upper
84	100		
49	125.4	104.2	156.2
51	40.2	32.3	48.5
86	63.6	52.3	78.5



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.13 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

Tgt Ion:	56	Resp:	7213
Ion	Ratio	Lower	Upper
56	100		
69	292.9	24.0	36.0#
84	191.8	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

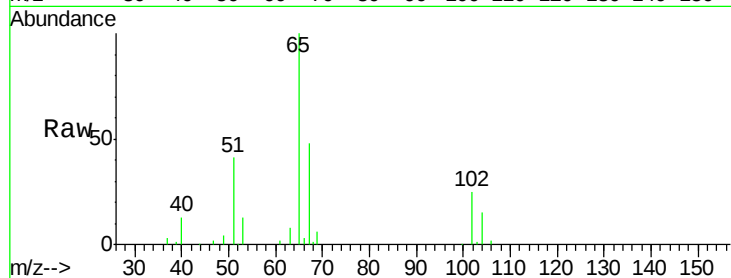
SB-23(4-5)RE

Tot Ion: 65 Resp: 223712

Ion Ratio Lower Upper

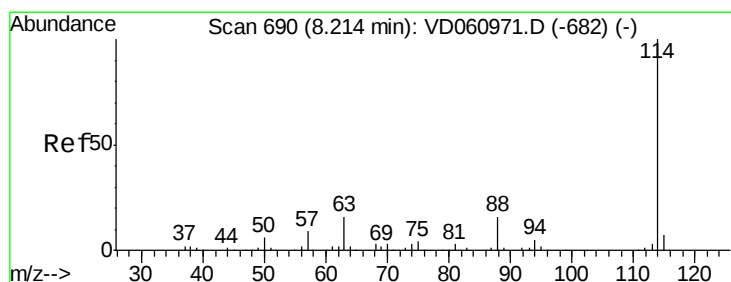
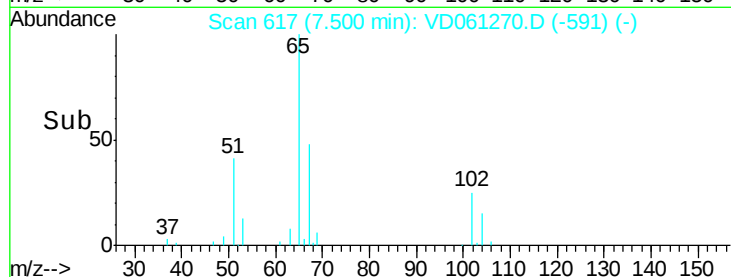
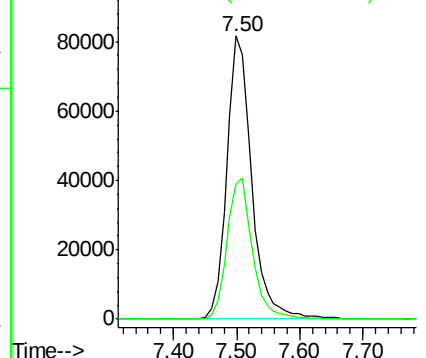
65 100

67 47.9 0.0 105.2



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: 8.27 min Scan# 695

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

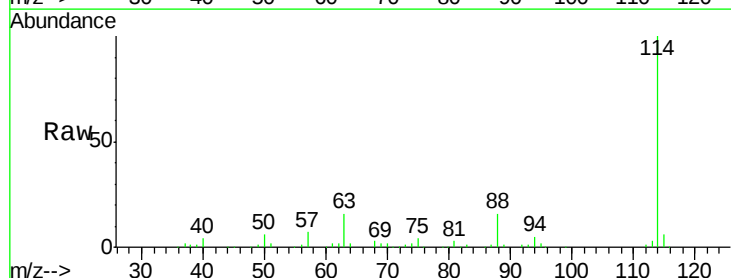
Tgt Ion: 114 Resp: 710705

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

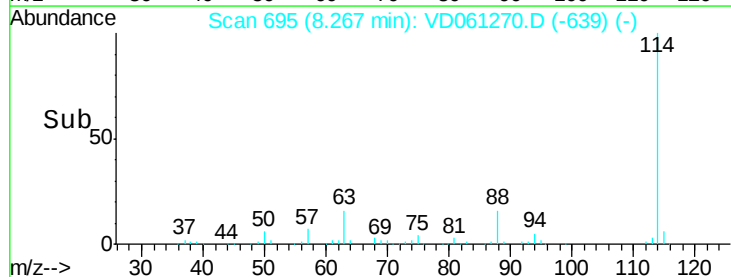
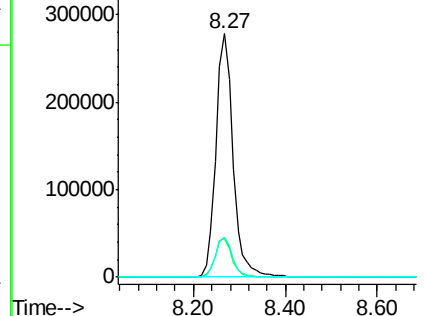
88 16.4 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.98 min Scan# 564

Delta R.T. 0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

SB-23(4-5)RE

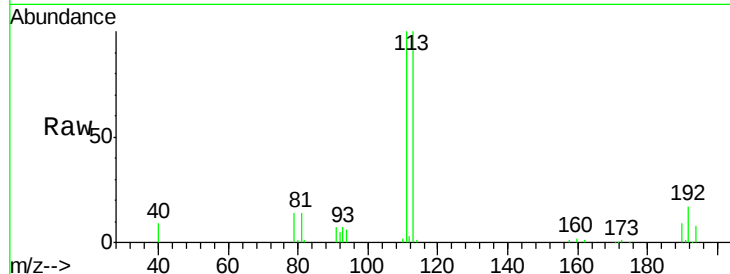
Tot Ion:113 Resp: 343497

Ion Ratio Lower Upper

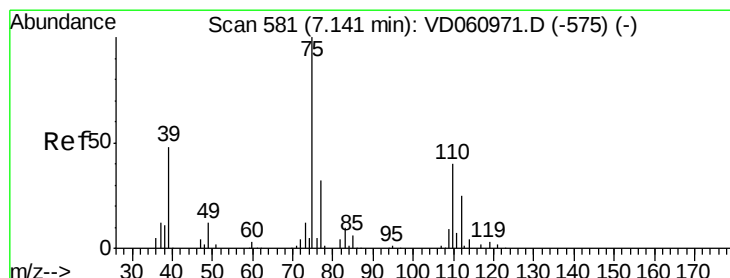
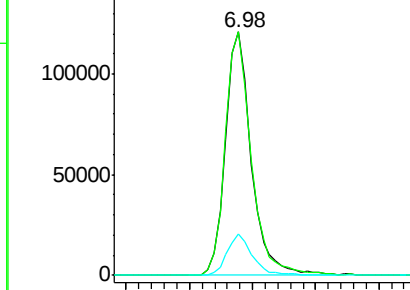
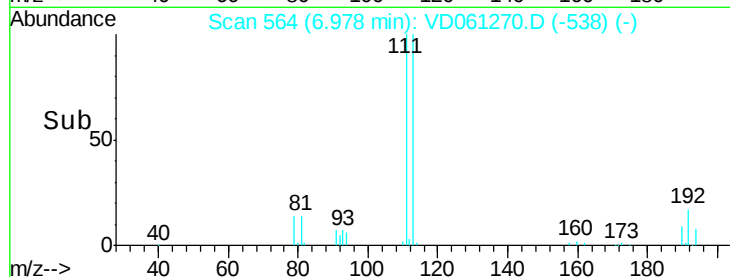
113 100

111 99.9 84.2 126.4

192 17.0 13.1 19.7



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: 4.931 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.05 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

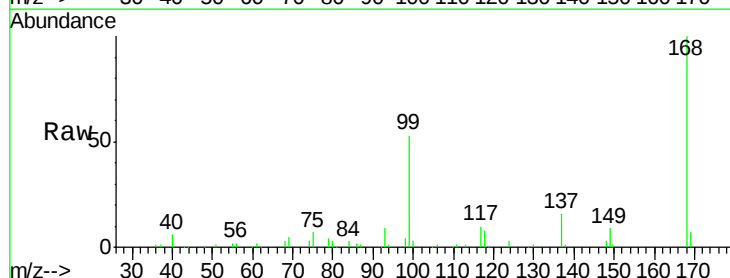
Tgt Ion: 75 Resp: 30208

Ion Ratio Lower Upper

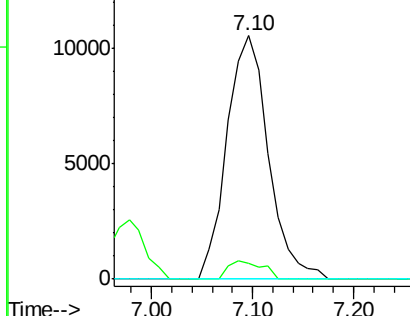
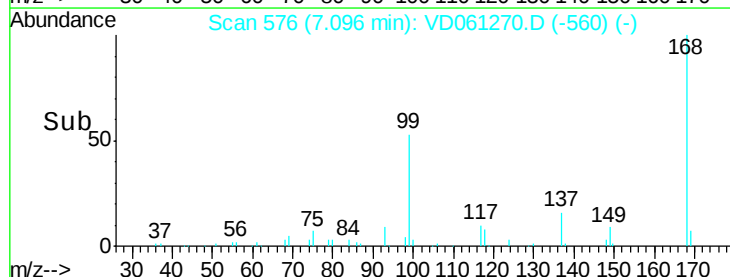
75 100

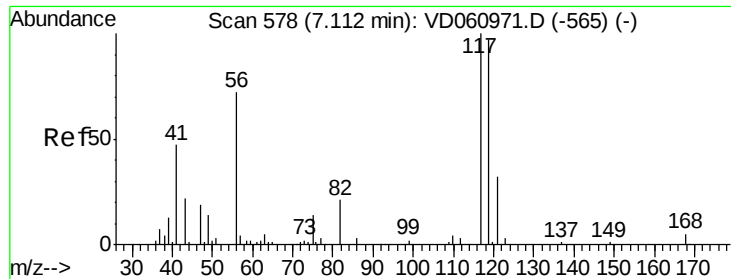
110 6.2 19.7 59.1#

77 0.0 24.7 37.1#



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

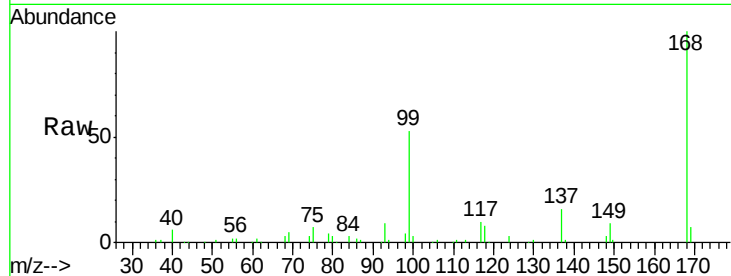




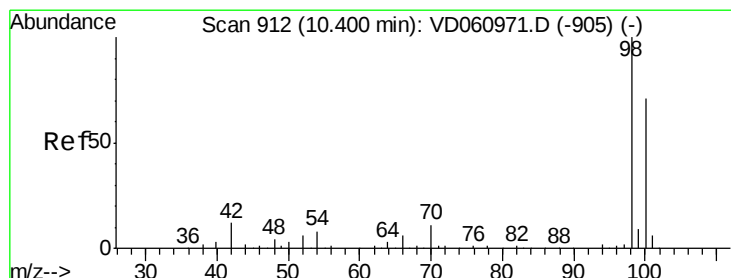
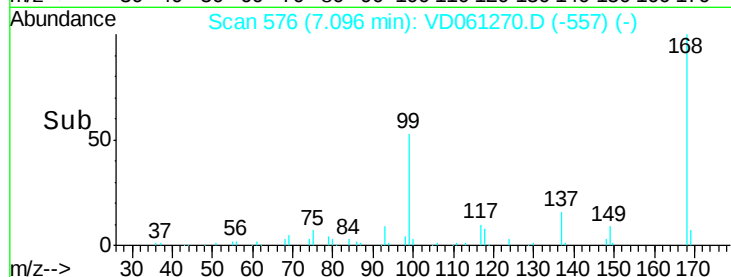
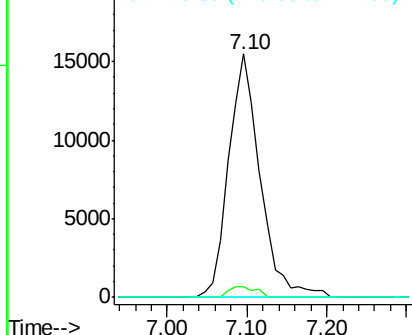
#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampleId :
SB-23(4-5)RE

Tot Ion:117 Resp: 42748
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.8#
121 0.0 25.3 37.9#

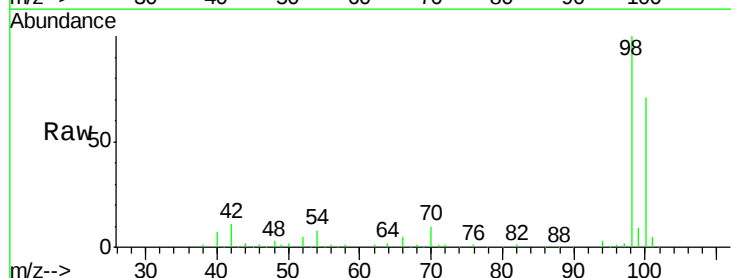


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

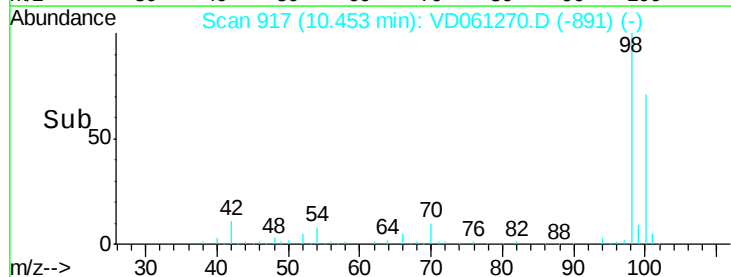
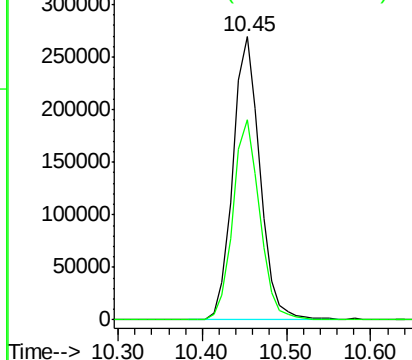


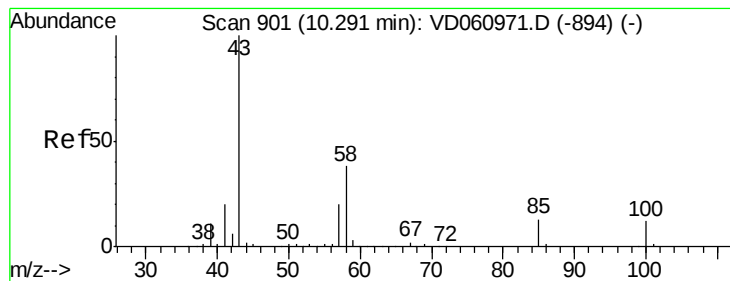
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.05 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

Tgt Ion: 98 Resp: 602231
Ion Ratio Lower Upper
98 100
100 70.8 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.517 ug/l

RT: 10.45 min Scan# 917

Delta R.T. 0.16 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

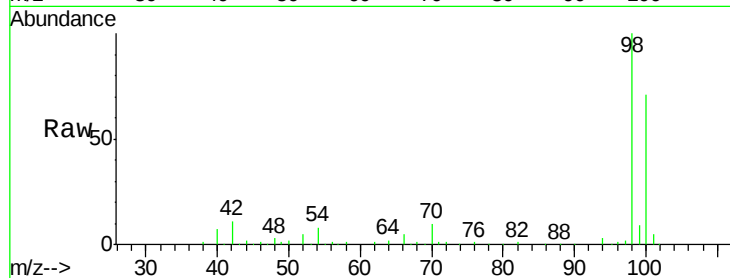
SB-23(4-5)RE

Tot Ion: 43 Resp: 3700

Ion Ratio Lower Upper

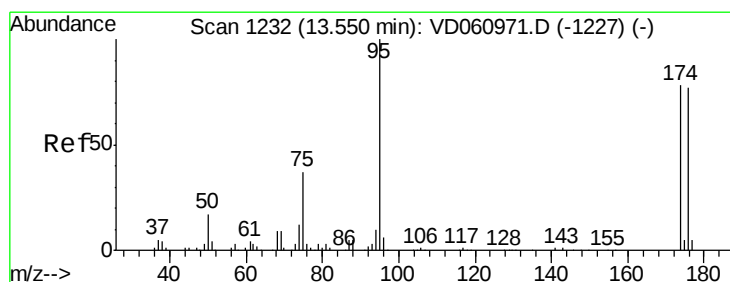
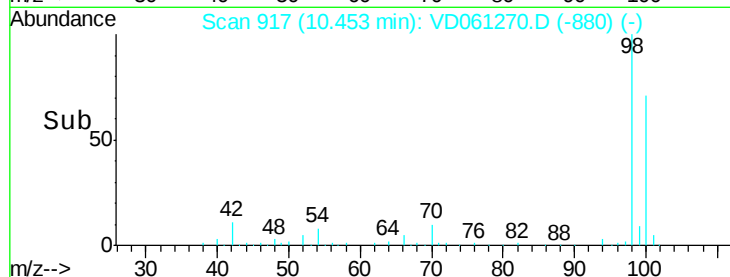
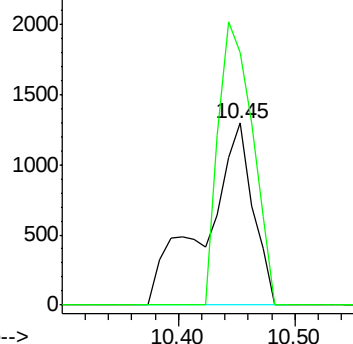
43 100

58 138.7 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

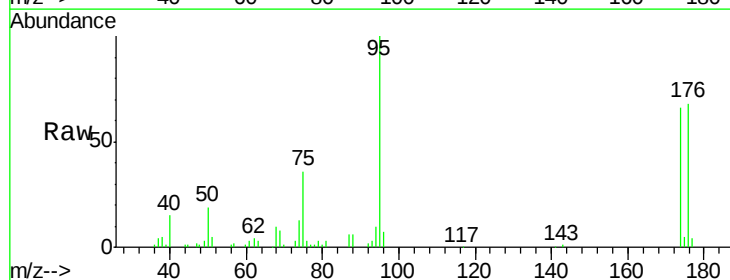
Tgt Ion: 95 Resp: 111023

Ion Ratio Lower Upper

95 100

174 66.1 0.0 155.6

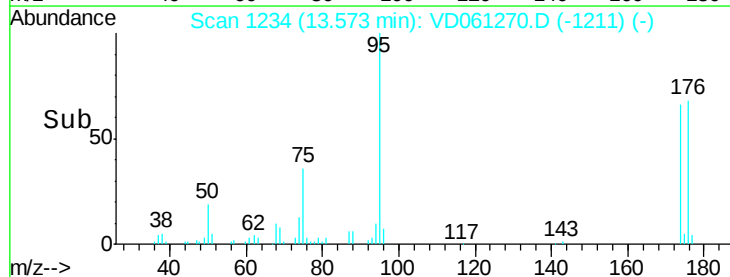
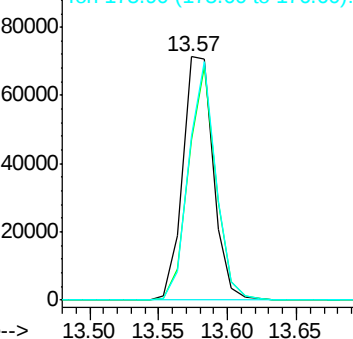
176 67.6 0.0 153.8

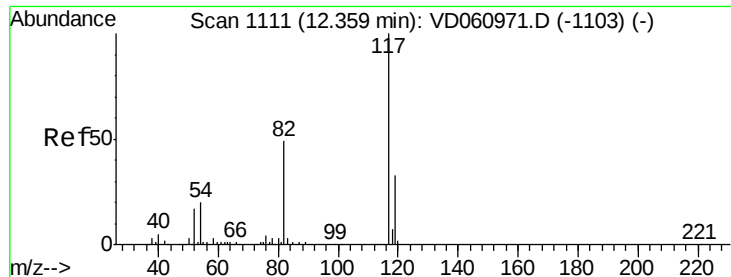


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

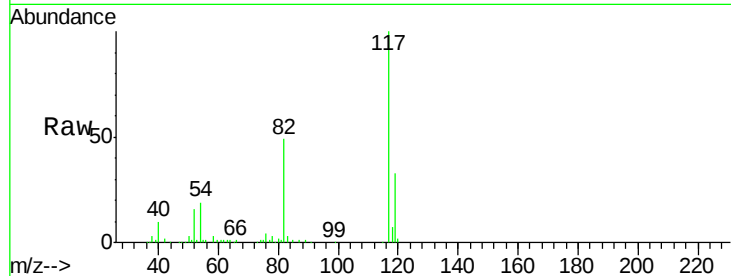




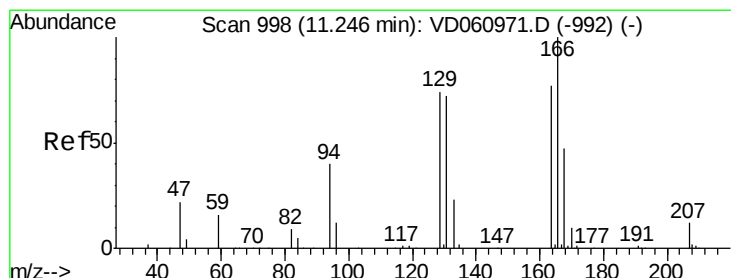
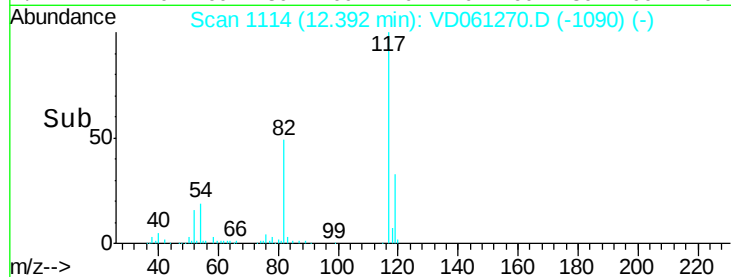
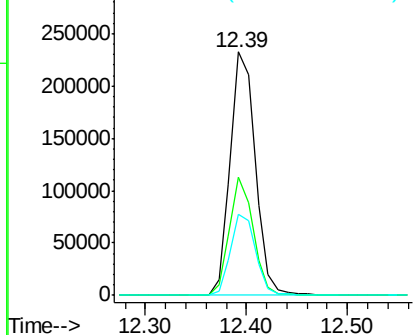
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampleId :
SB-23(4-5)RE

Tot Ion:117 Resp: 402564
Ion Ratio Lower Upper
117 100
82 48.5 38.9 58.3
119 33.4 26.6 39.8

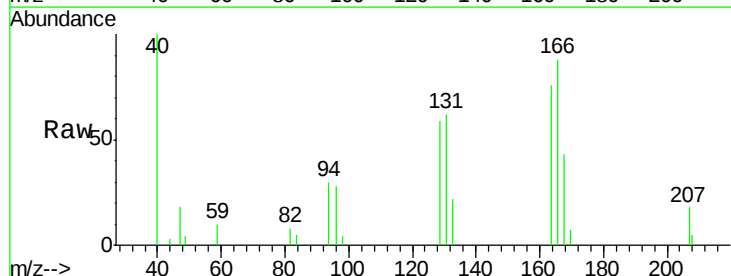


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

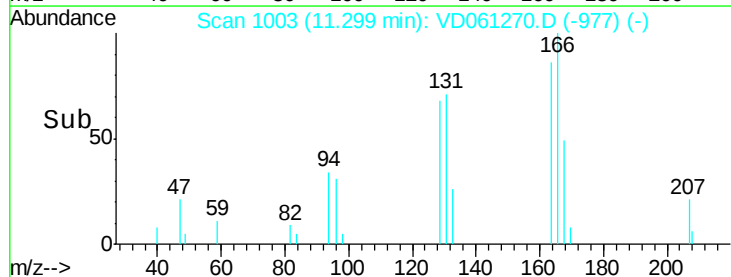
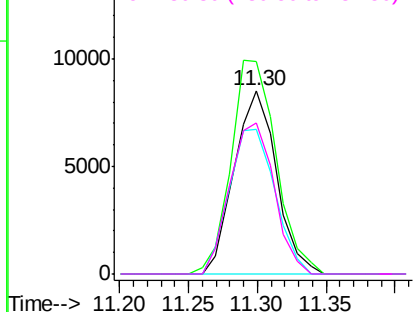


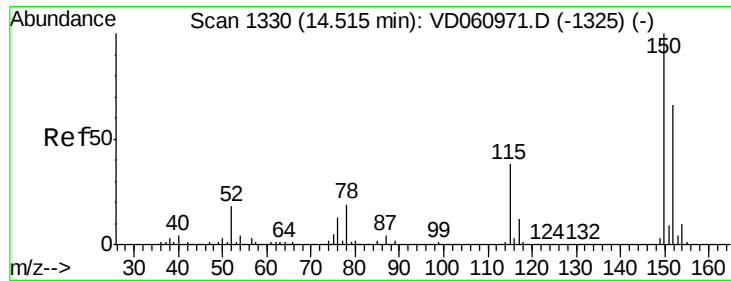
#64
Tetrachloroethene
Concen: 6.694 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. 0.05 min
Lab File: VD061270.D
Acq: 22 Mar 2019 19:32

Tgt Ion:164 Resp: 18192
Ion Ratio Lower Upper
164 100
166 116.0 103.4 155.0
129 78.6 76.9 115.3
131 82.4 74.4 111.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

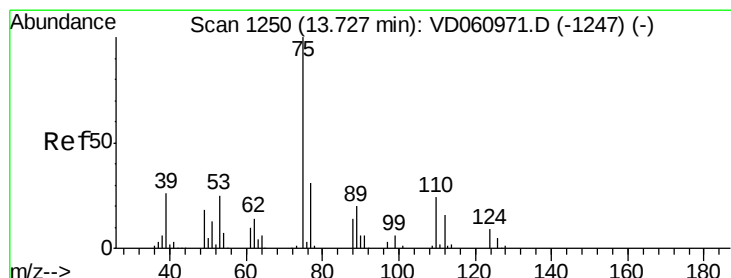
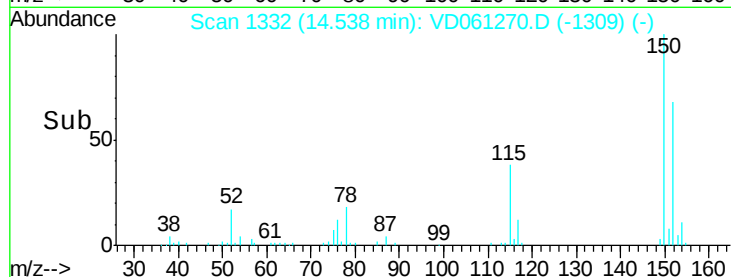
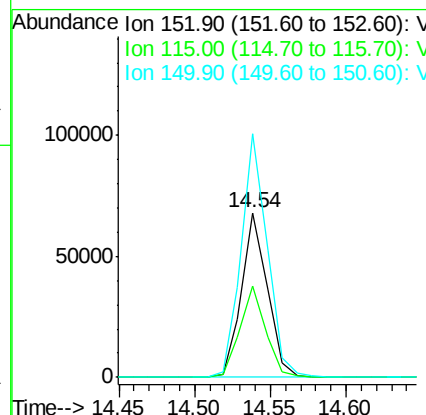
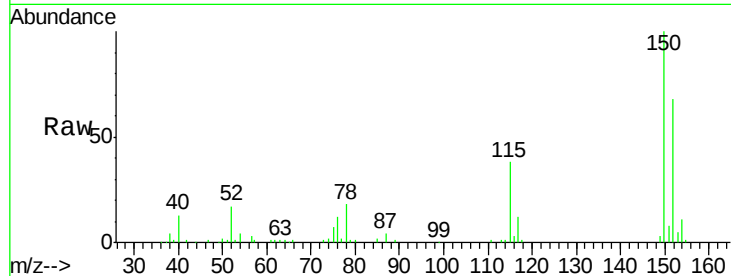




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.02 min
 Lab File: VD061270.D
 Acq: 22 Mar 2019 19:32

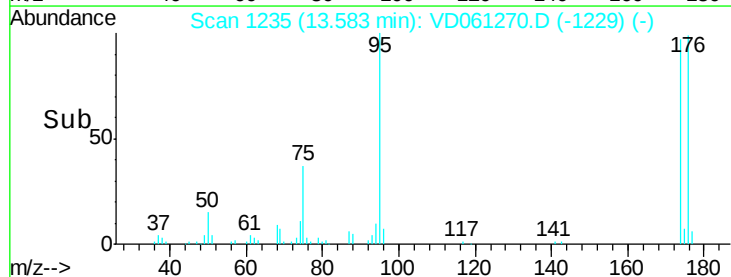
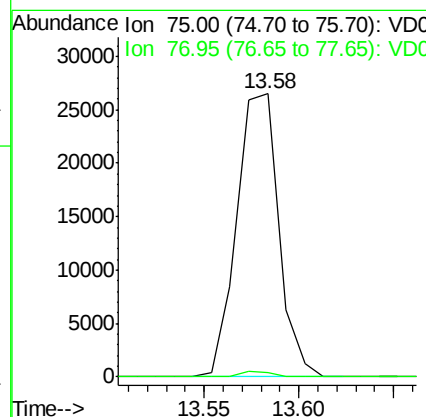
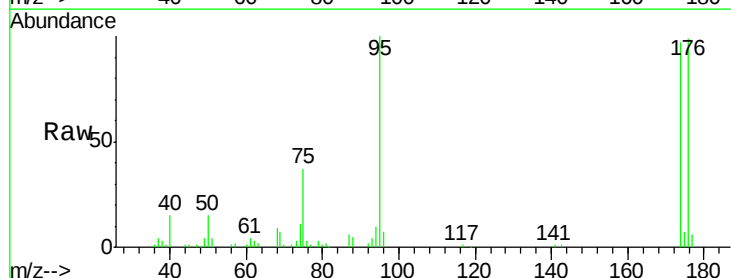
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-23(4-5)RE

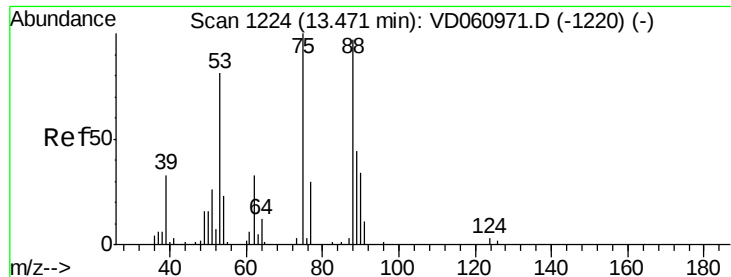
Tot Ion:152 Resp: 80812
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.6 85.9
 150 147.9 0.0 310.6



#76
 1,2,3-Trichloropropane
 Concen: 34.964 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. -0.14 min
 Lab File: VD061270.D
 Acq: 22 Mar 2019 19:32

Tgt Ion: 75 Resp: 40650
 Ion Ratio Lower Upper
 75 100
 77 1.7 16.6 49.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 118.603 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061270.D

Acq: 22 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

SB-23(4-5)RE

Tot Ion: 75 Resp: 40653

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

