

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061268.D
 Acq On : 22 Mar 2019 18:37
 Operator : VA/AP
 Sample : K2004-08RE
 Misc : 3.74g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19B(13.5-14.5)RE

Quant Time: Mar 22 23:29:06 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	356108	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.26	114	663395	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.40	117	397065	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	108031	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	167853	56.63	ug/l	0.06
Spiked Amount			Recovery	=	113.26%	
35) Dibromofluoromethane	6.98	113	267040	54.24	ug/l	0.06
Spiked Amount			Recovery	=	108.48%	
50) Toluene-d8	10.45	98	501429	40.56	ug/l	0.05
Spiked Amount			Recovery	=	81.12%	
62) 4-Bromofluorobenzene	13.58	95	121733	25.38	ug/l	0.03
Spiked Amount			Recovery	=	50.76%	

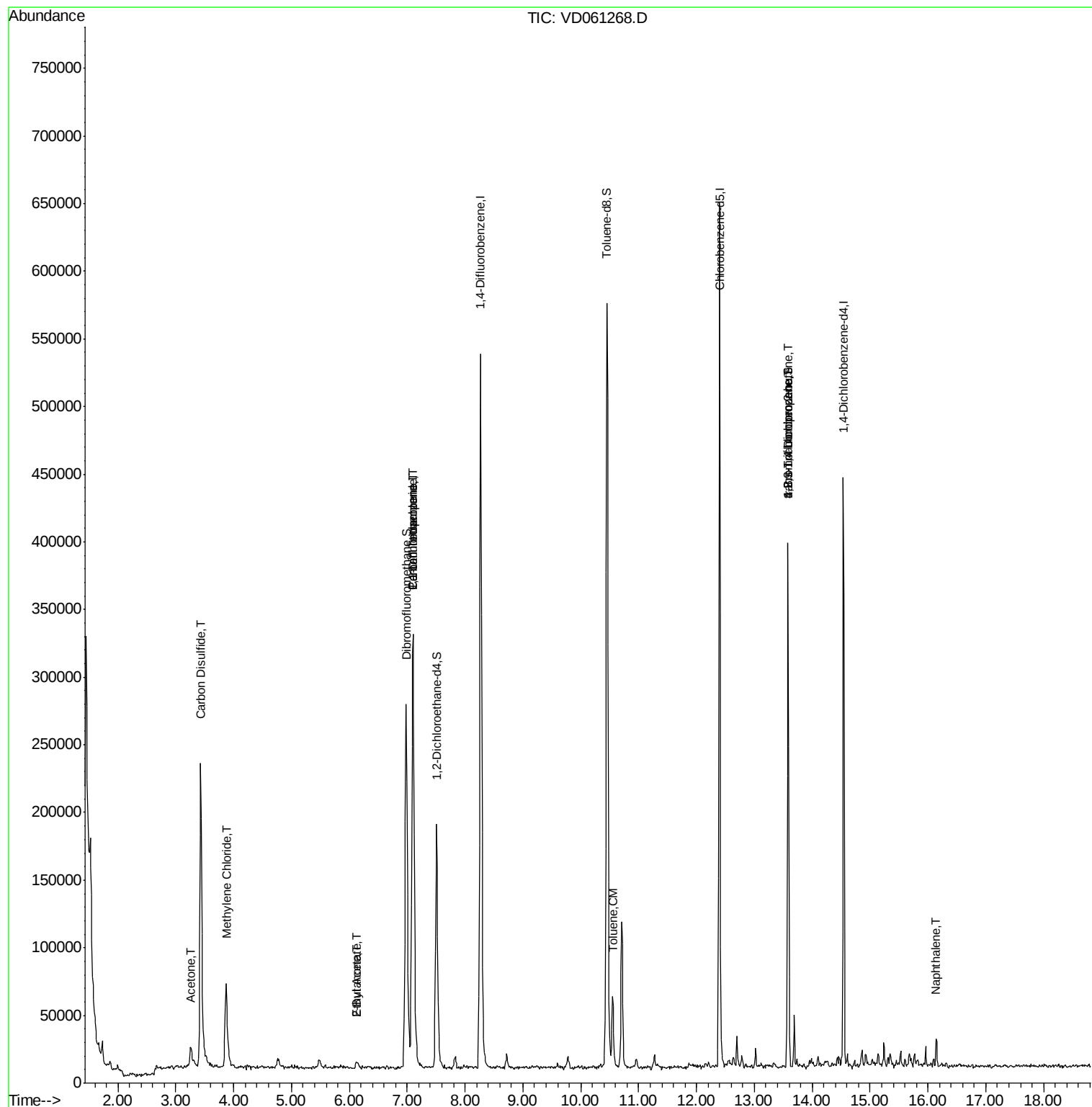
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	196	Below Cal	#	8
16) Acetone	3.25	43	31711	37.411	ug/l	97
17) Carbon Disulfide	3.43	76	444138	36.833	ug/l	99
20) Methylene Chloride	3.86	84	50258	9.198	ug/l	97
25) 2-Butanone	6.12	43	10074	10.474	ug/l	96
36) 1,1-Dichloropropene	7.10	75	25723	4.498	ug/l #	46
37) Ethyl Acetate	6.12	43	10074	3.754	ug/l #	66
38) Carbon Tetrachloride	7.09	117	35117	5.575	ug/l #	16
52) Toluene	10.55	92	27287	3.071	ug/l	85
76) 1,2,3-Trichloropropane	13.58	75	44812	28.832	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	44812	97.797	ug/l #	17
95) Naphthalene	16.14	128	14578	6.990	ug/l	96

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

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SB-19B(13.5-14.5)RE

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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# 577

Delta R.T. 0.06 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

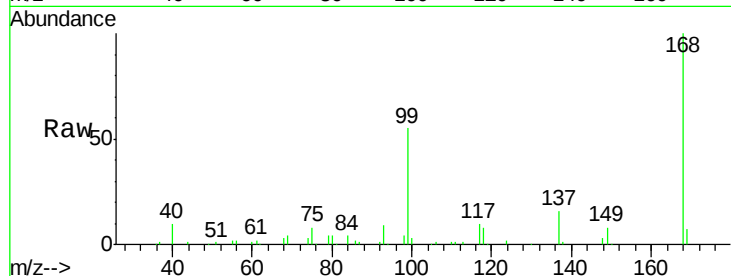
SB-19B(13.5-14.5)RE

Tot Ion:168 Resp: 356108

Ion Ratio Lower Upper

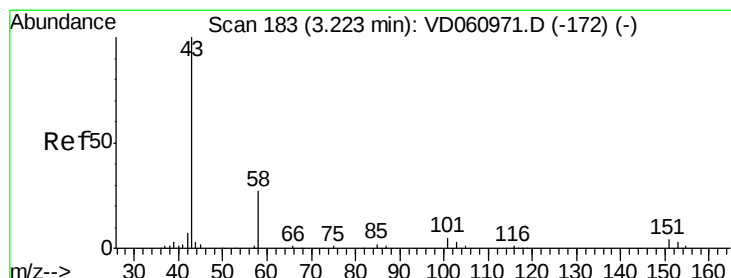
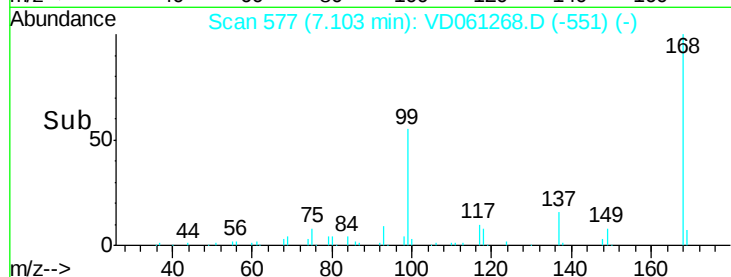
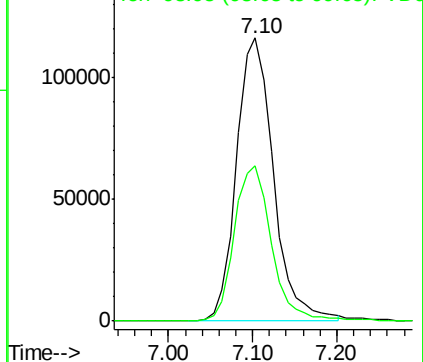
168 100

99 54.8 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: 37.411 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061268.D

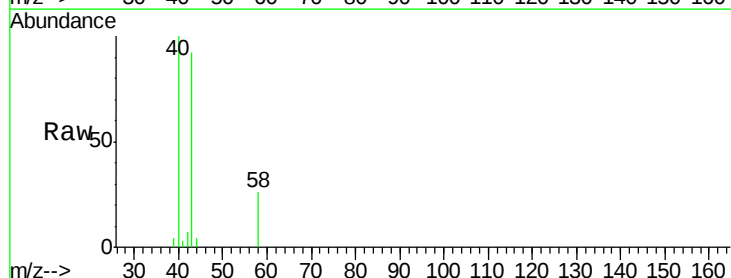
Acq: 22 Mar 2019 18:37

Tgt Ion: 43 Resp: 31711

Ion Ratio Lower Upper

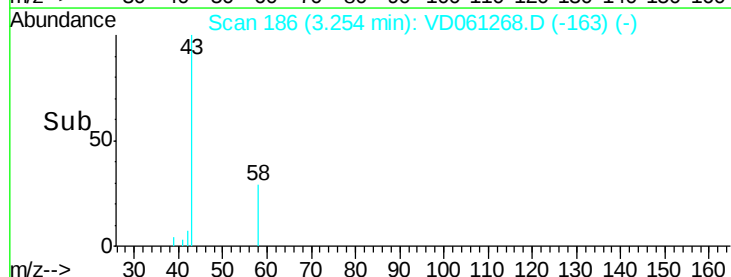
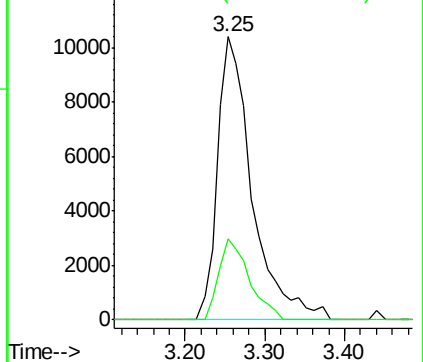
43 100

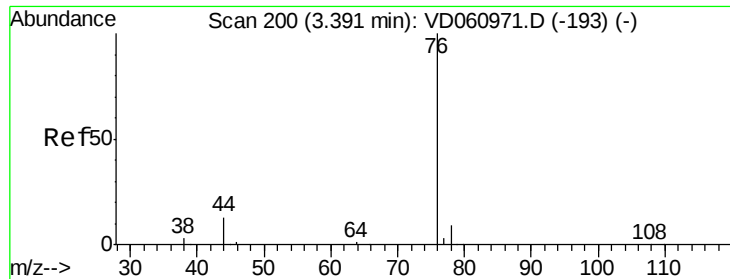
58 28.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

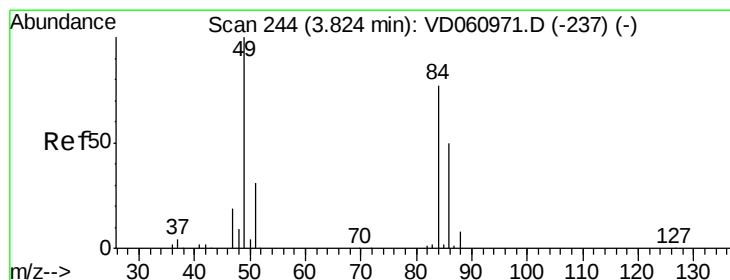
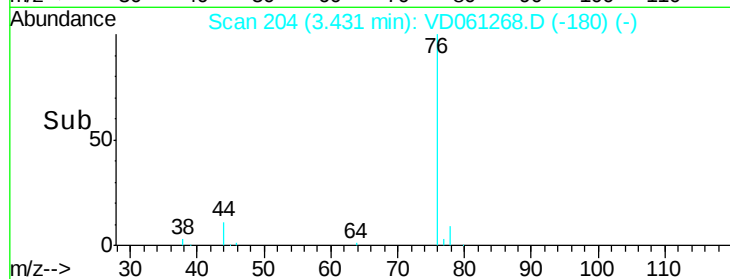
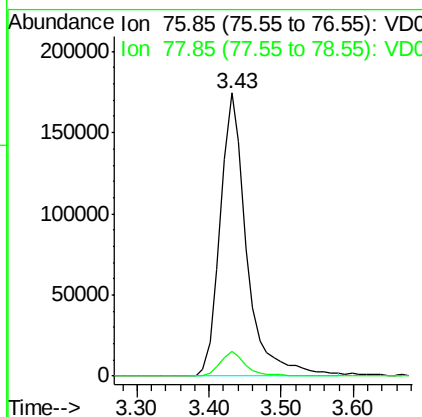
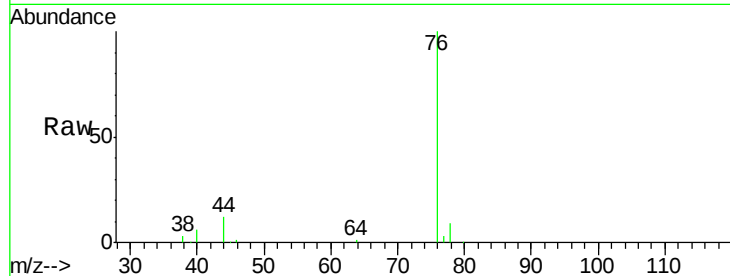




#17
Carbon Disulfide
Concen: 36.833 ug/l
RT: 3.43 min Scan# 204
Delta R.T. 0.04 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

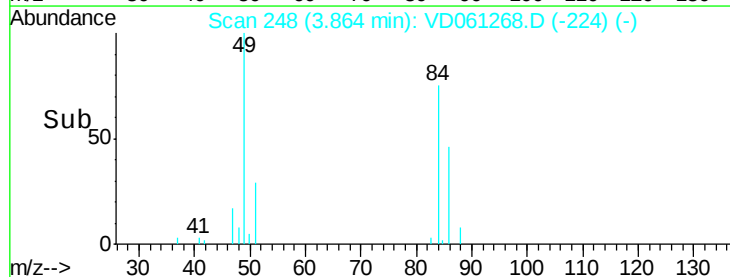
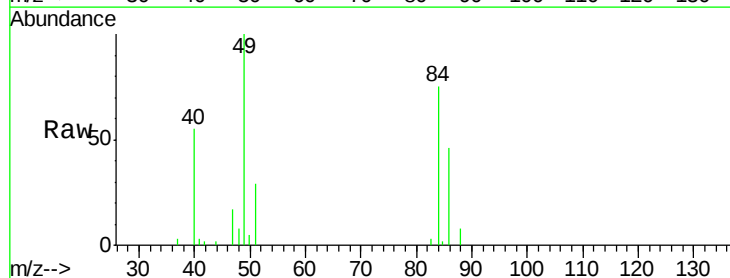
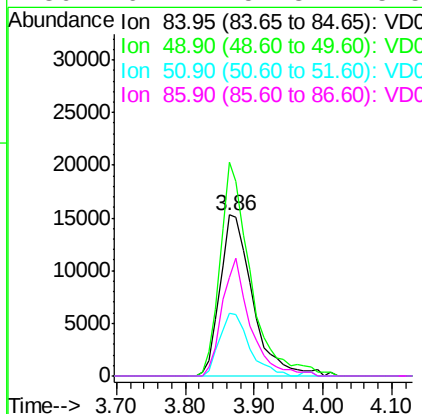
Instrument :
MSVOA_D
ClientSampleId :
SB-19B(13.5-14.5)RE

Tot Ion: 76 Resp: 444138
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#20
Methylene Chloride
Concen: 9.198 ug/l
RT: 3.86 min Scan# 248
Delta R.T. 0.04 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

Tgt Ion: 84 Resp: 50258
Ion Ratio Lower Upper
84 100
49 132.8 104.2 156.2
51 39.1 32.3 48.5
86 61.2 52.3 78.5





#25

2-Butanone

Concen: 10.474 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.05 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

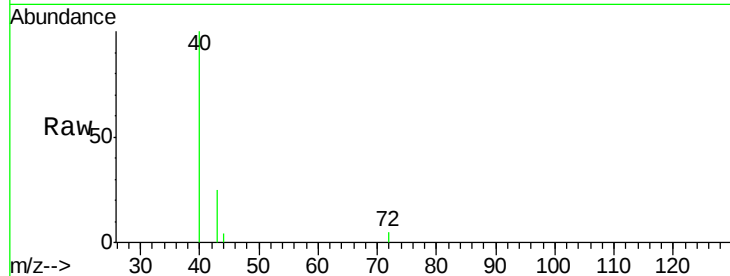
SB-19B(13.5-14.5)RE

Tot Ion: 43 Resp: 10074

Ion Ratio Lower Upper

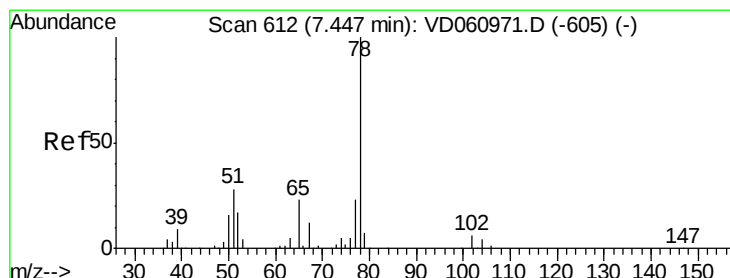
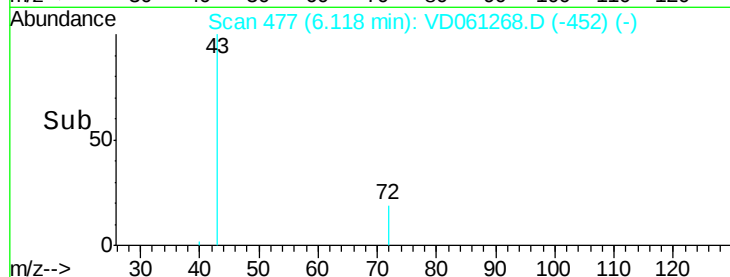
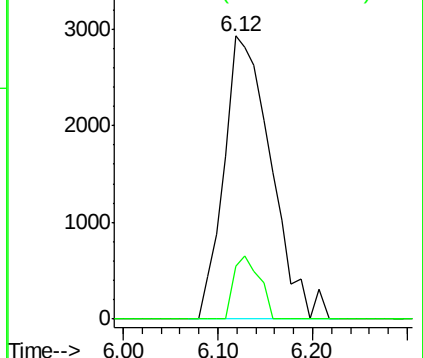
43 100

72 18.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.51 min Scan# 618

Delta R.T. 0.06 min

Lab File: VD061268.D

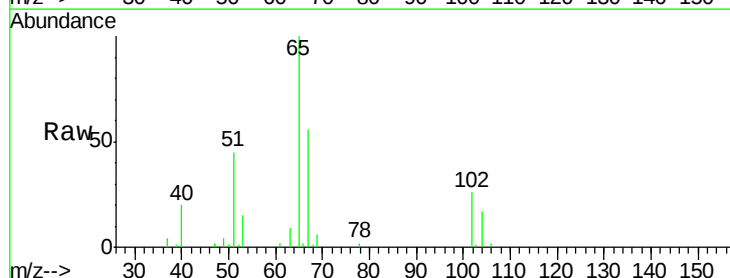
Acq: 22 Mar 2019 18:37

Tgt Ion: 65 Resp: 167853

Ion Ratio Lower Upper

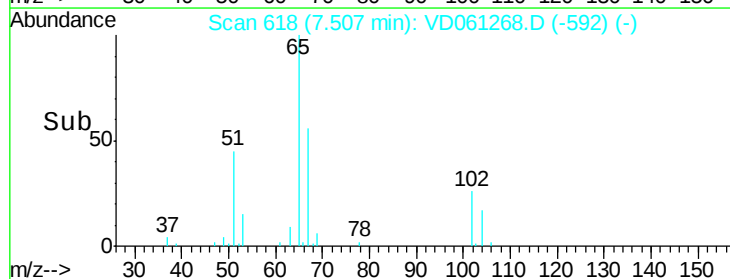
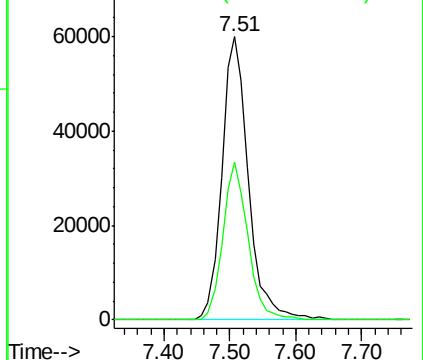
65 100

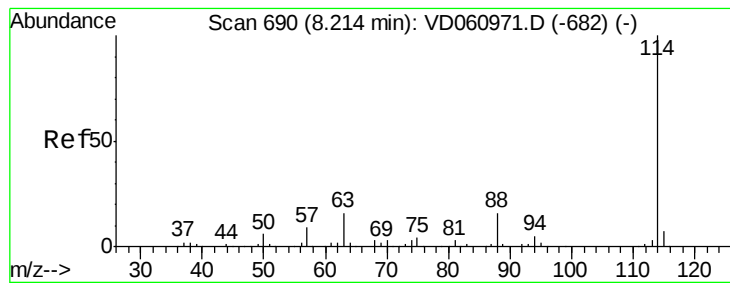
67 55.9 0.0 105.2



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: 8.26 min Scan# 695

Delta R.T. 0.05 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

SB-19B(13.5-14.5)RE

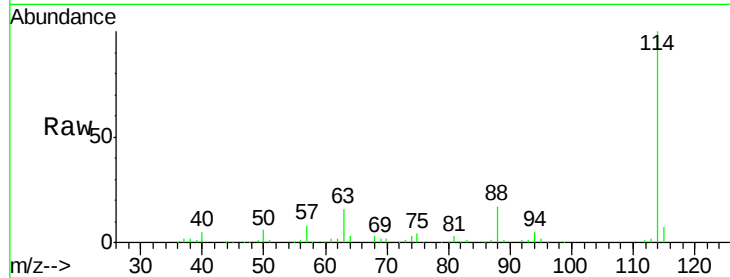
Tot Ion:114 Resp: 663395

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

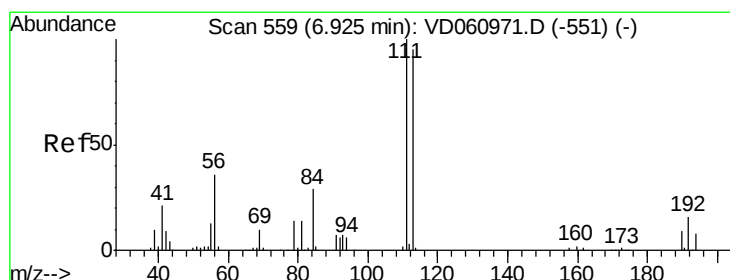
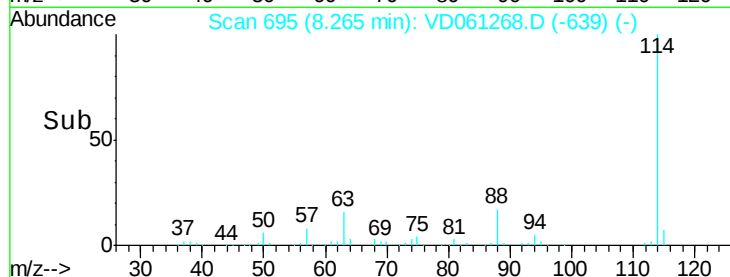
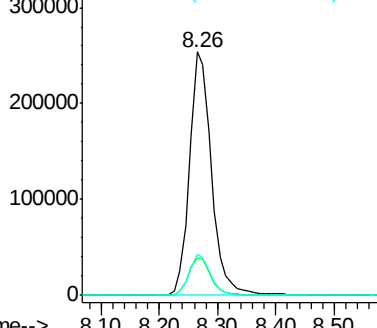
88 16.9 0.0 33.0



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: 6.98 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

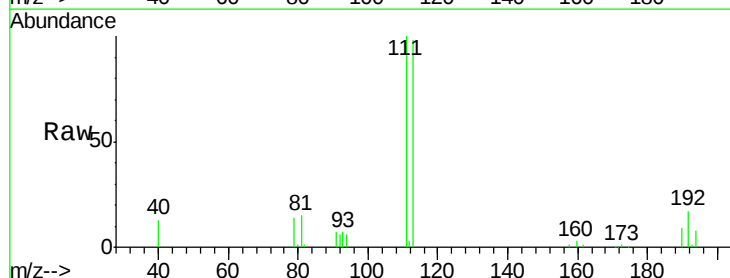
Tgt Ion:113 Resp: 267040

Ion Ratio Lower Upper

113 100

111 102.6 84.2 126.4

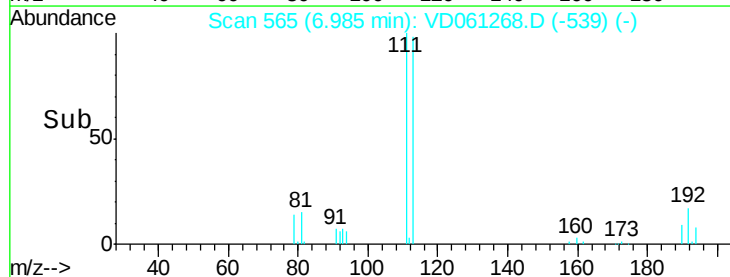
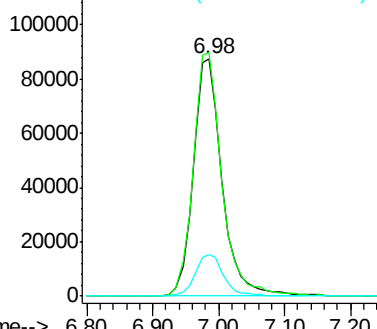
192 17.5 13.1 19.7

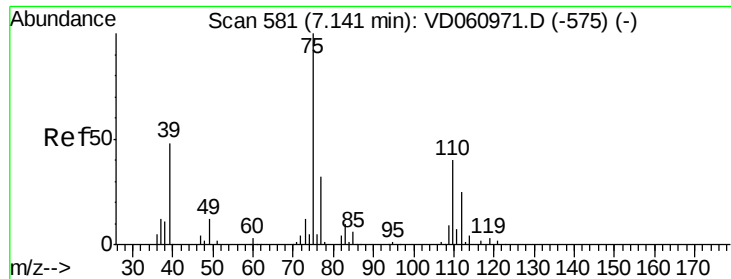


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

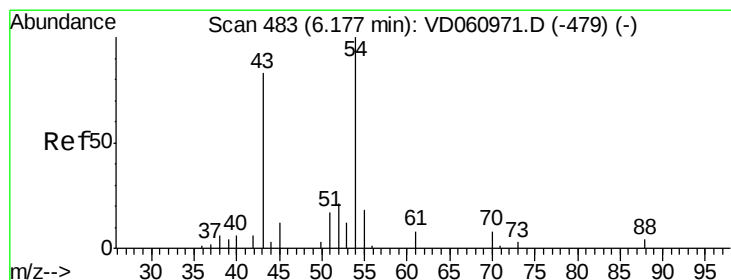
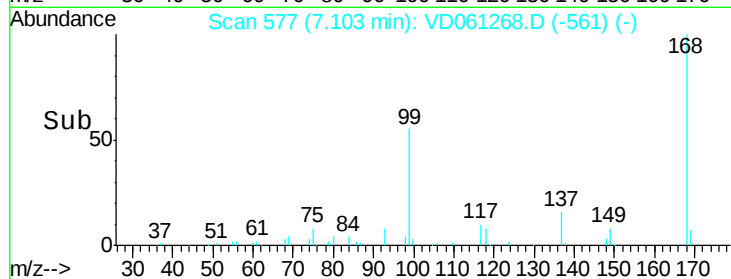
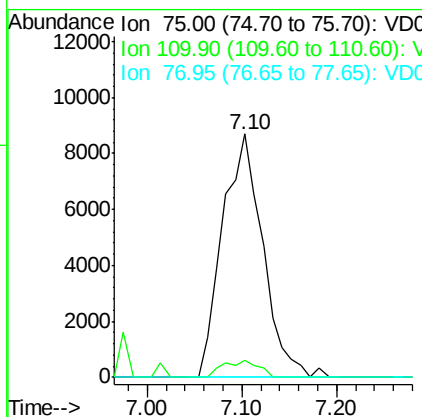
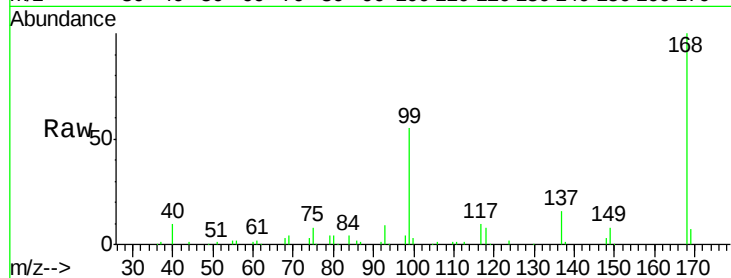




#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. -0.04 min
 Lab File: VD061268.D
 Acq: 22 Mar 2019 18:37

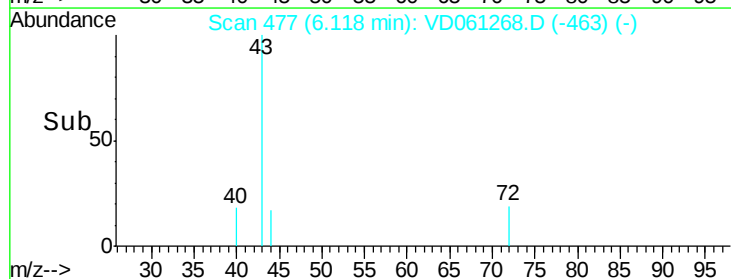
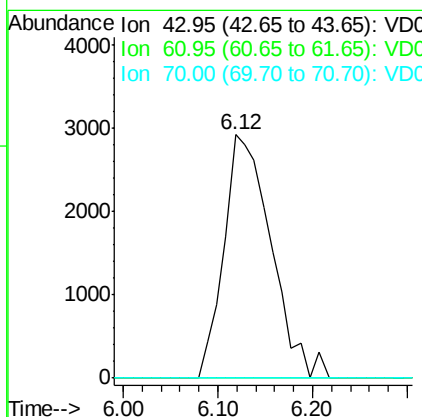
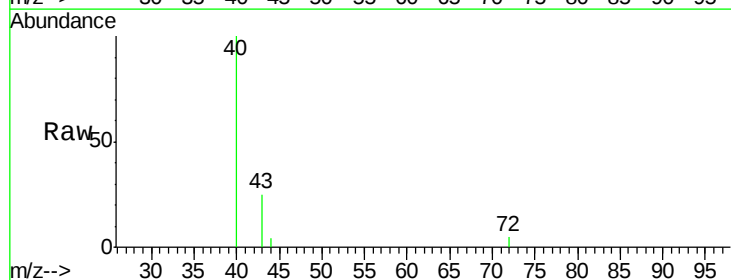
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19B(13.5-14.5)RE

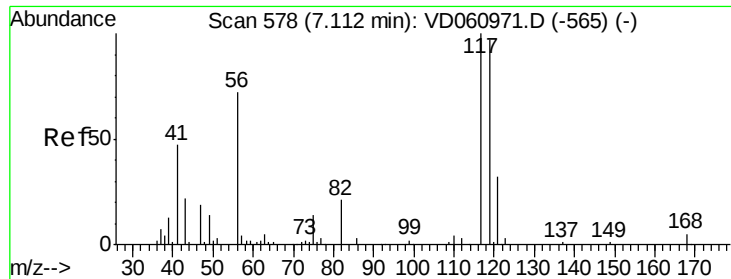
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	19.7	59.1#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 3.754 ug/l
 RT: 6.12 min Scan# 477
 Delta R.T. -0.06 min
 Lab File: VD061268.D
 Acq: 22 Mar 2019 18:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.7	20.5#
70	0.0	7.1	10.7#

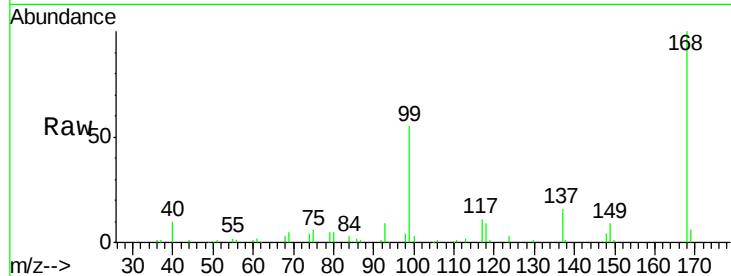




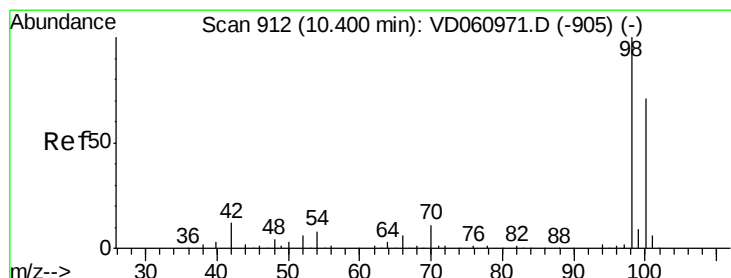
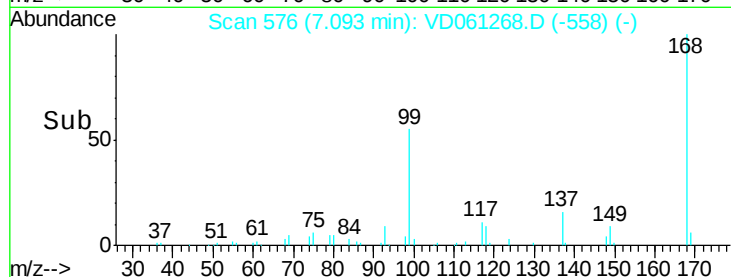
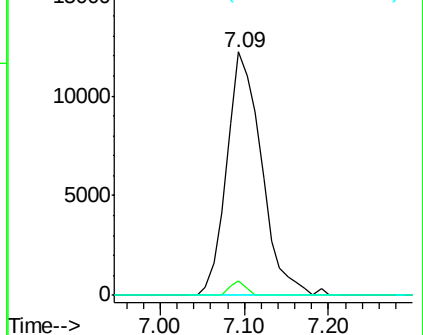
#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampleId :
SB-19B(13.5-14.5)RE

Tot Ion:117 Resp: 35117
Ion Ratio Lower Upper
117 100
119 6.0 77.8 116.8#
121 0.0 25.3 37.9#

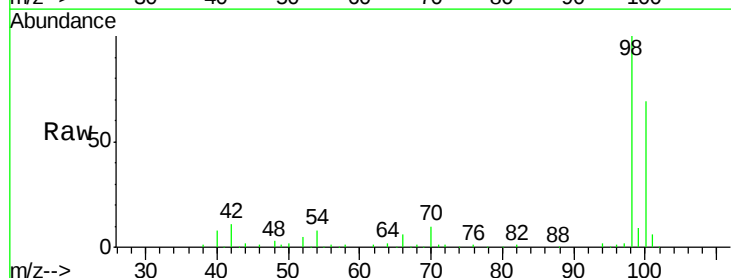


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

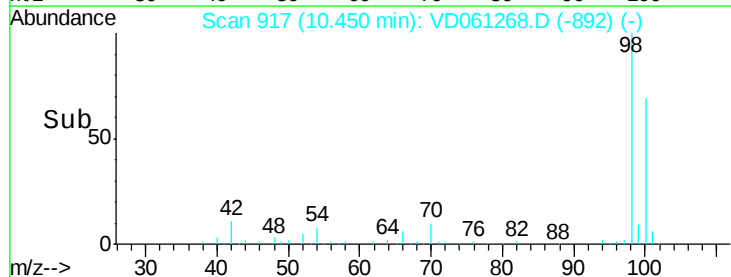
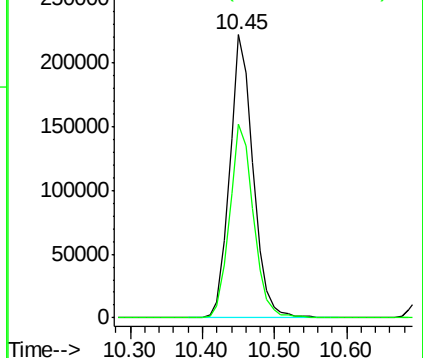


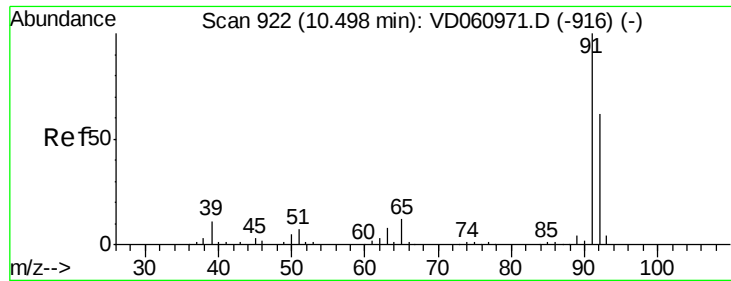
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.05 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

Tgt Ion: 98 Resp: 501429
Ion Ratio Lower Upper
98 100
100 68.7 57.4 86.2



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





#52

Toluene

Concen: 3.071 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.05 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

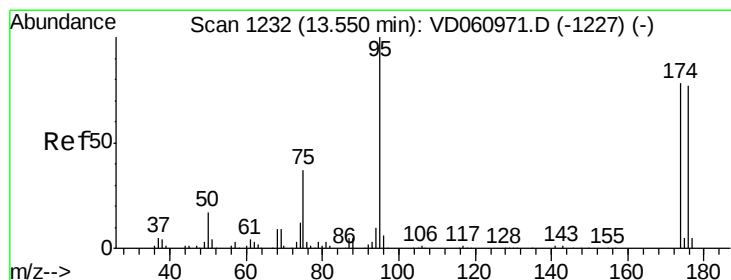
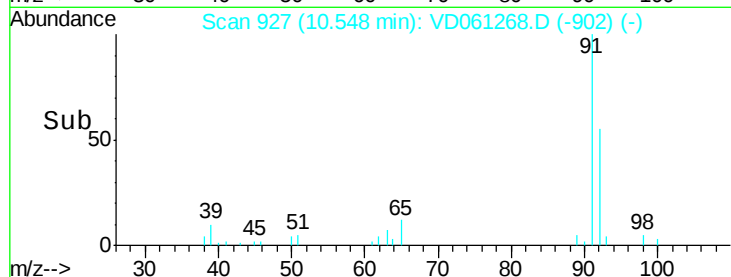
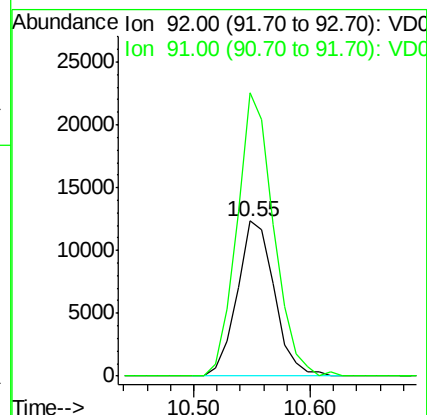
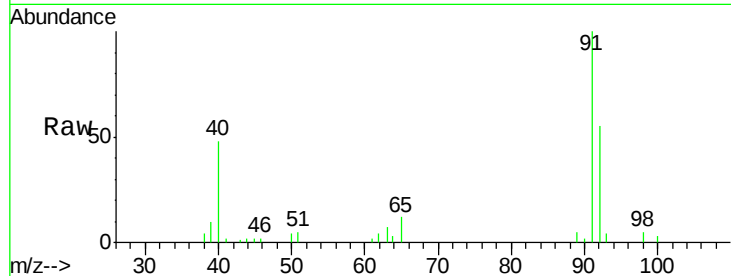
SB-19B(13.5-14.5)RE

Tot Ion: 92 Resp: 27287

Ion Ratio Lower Upper

92 100

91 182.6 129.8 194.8



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061268.D

Acq: 22 Mar 2019 18:37

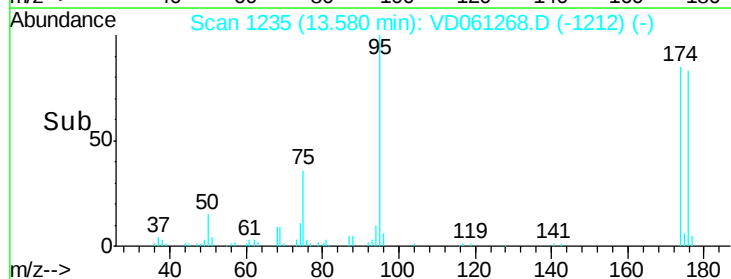
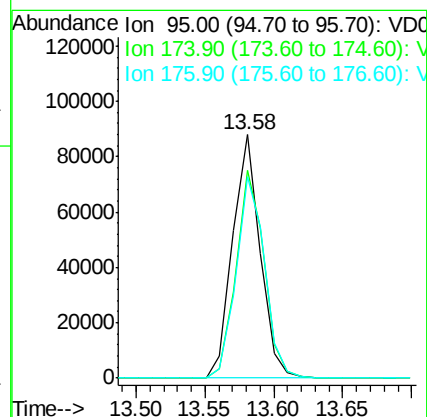
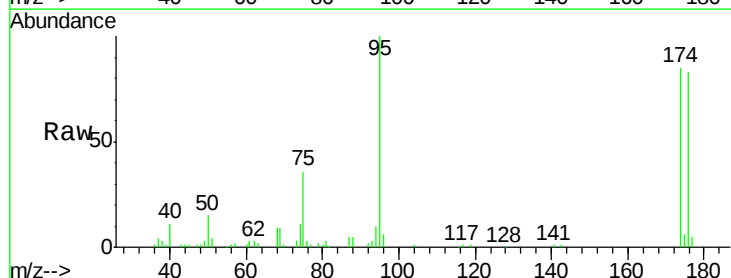
Tgt Ion: 95 Resp: 121733

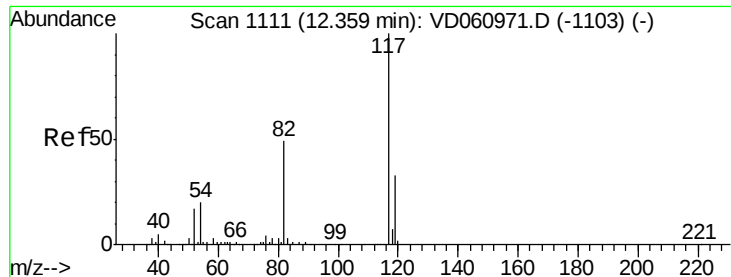
Ion Ratio Lower Upper

95 100

174 85.4 0.0 155.6

176 82.8 0.0 153.8

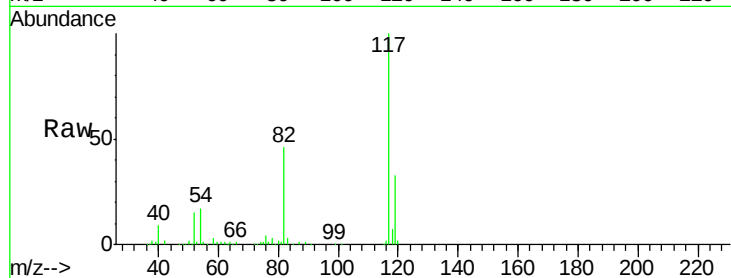




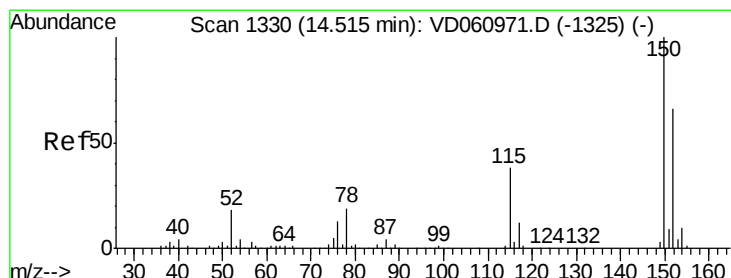
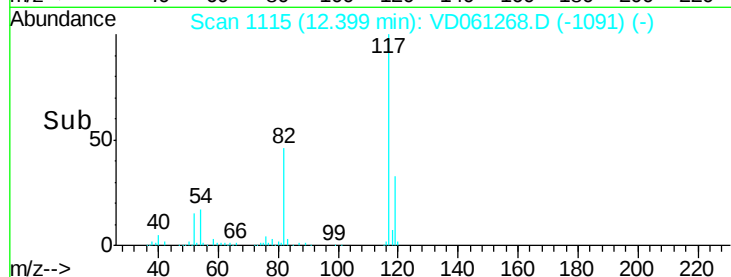
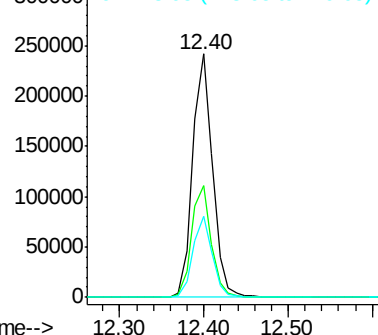
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampleId :
SB-19B(13.5-14.5)RE

Tot Ion:117 Resp: 397065
Ion Ratio Lower Upper
117 100
82 45.7 38.9 58.3
119 33.4 26.6 39.8

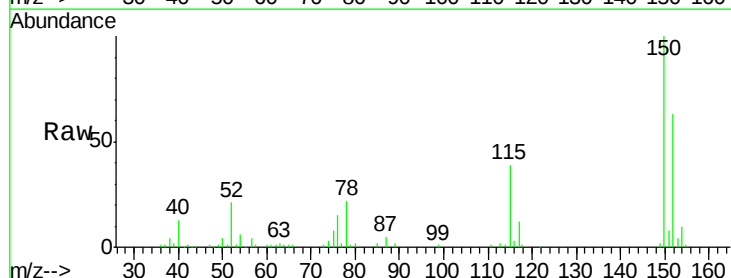


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

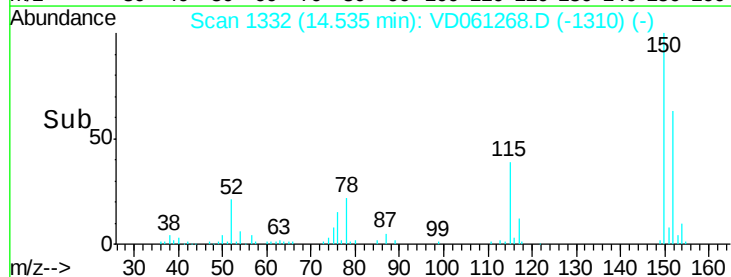
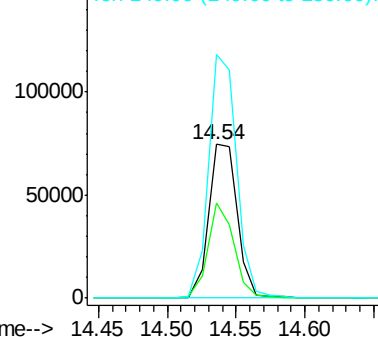


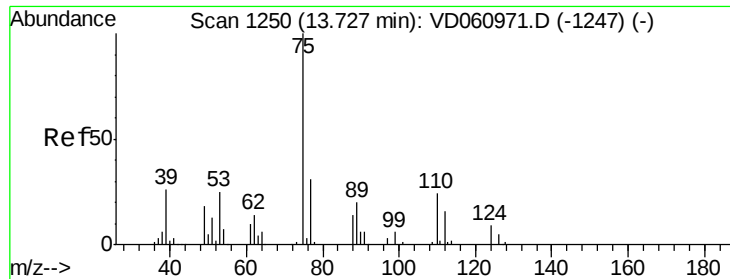
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061268.D
Acq: 22 Mar 2019 18:37

Tgt Ion:152 Resp: 108031
Ion Ratio Lower Upper
152 100
115 61.5 28.6 85.9
150 158.2 0.0 310.6



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

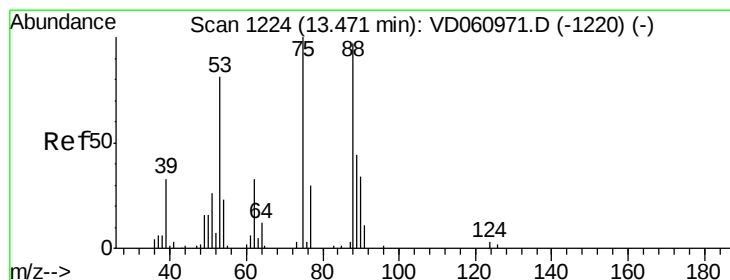
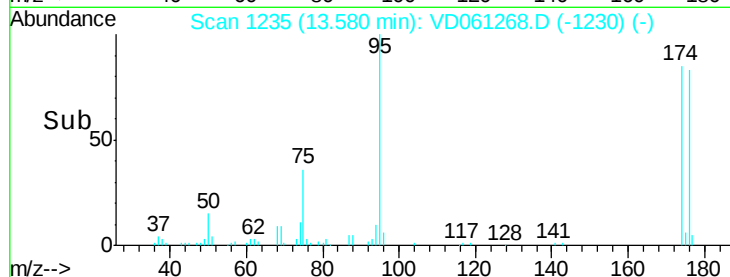
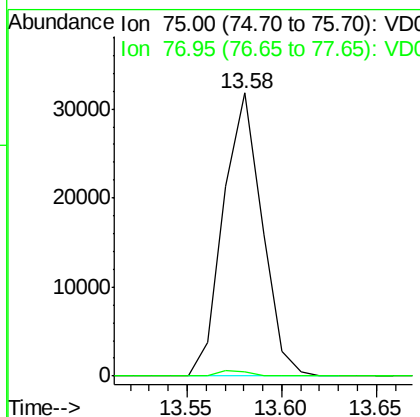
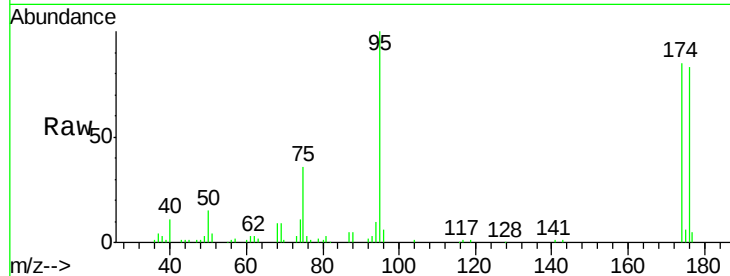




#76
 1,2,3-Trichloropropane
 Concen: 28.832 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. -0.15 min
 Lab File: VD061268.D
 Acq: 22 Mar 2019 18:37

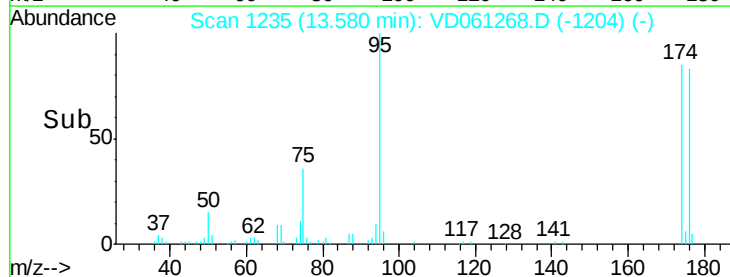
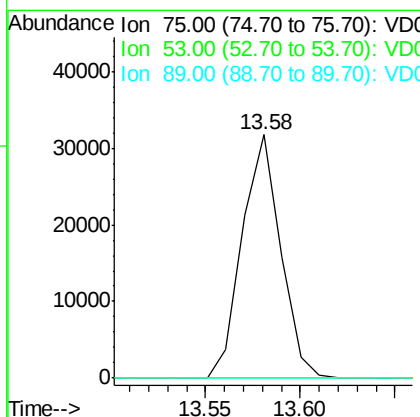
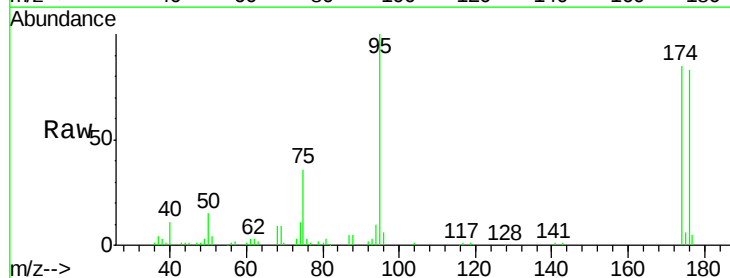
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19B(13.5-14.5)RE

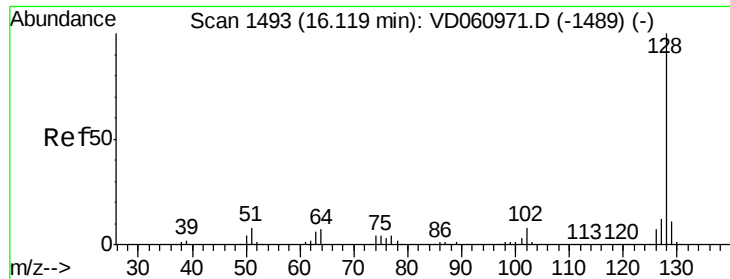
Tot Ion: 75 Resp: 44812
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.797 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.11 min
 Lab File: VD061268.D
 Acq: 22 Mar 2019 18:37

Tgt Ion: 75 Resp: 44812
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#





#95

Naphthalene

Concen: 6.990 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD061268.D

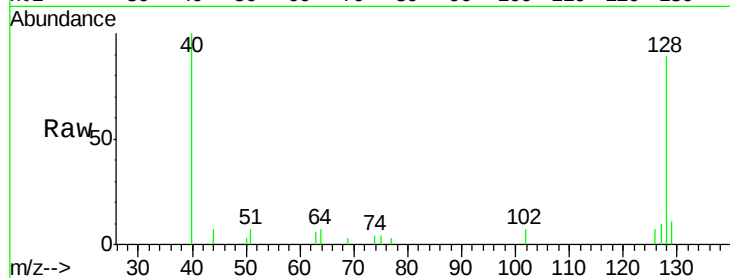
Acq: 22 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

SB-19B(13.5-14.5)RE



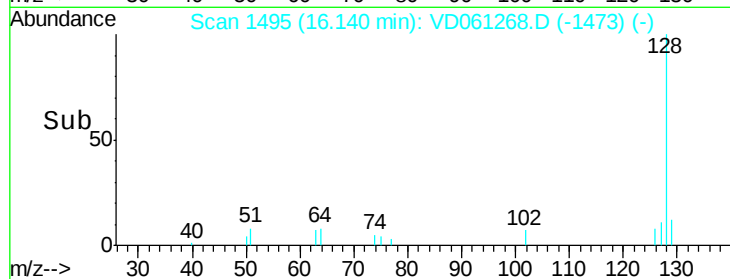
Tot Ion:128 Resp: 14578

Ion Ratio Lower Upper

128 100

127 11.1 9.8 14.8

129 12.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

