

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061265.D
 Acq On : 22 Mar 2019 17:14
 Operator : VA/AP
 Sample : K2004-04RE
 Misc : 2.57g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(13-14)RE

Quant Time: Mar 22 23:28:18 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	412892	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.27	114	730844	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	417902	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	97404	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.51	65	198272	57.69	ug/l	0.07
Spiked Amount	50.000		Recovery	=	115.38%	
35) Dibromofluoromethane	6.98	113	301888	55.66	ug/l	0.06
Spiked Amount	50.000		Recovery	=	111.32%	
50) Toluene-d8	10.46	98	522246	38.34	ug/l	0.06
Spiked Amount	50.000		Recovery	=	76.68%	
62) 4-Bromofluorobenzene	13.58	95	126371	23.91	ug/l	0.03
Spiked Amount	50.000		Recovery	=	47.82%	

Target Compounds

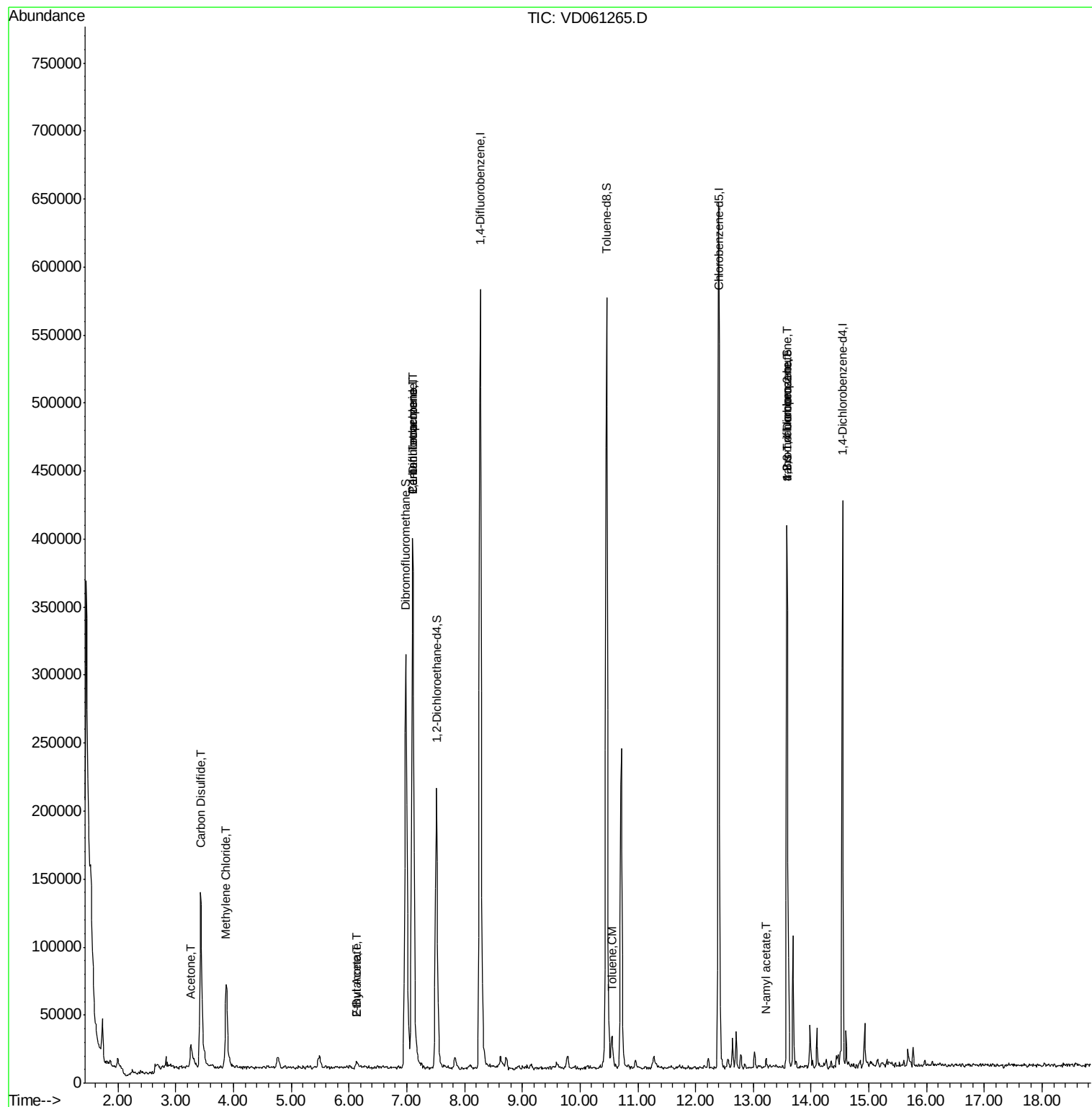
						Qvalue
5) Bromomethane	2.22	94	187	Below Cal	#	8
16) Acetone	3.26	43	35078	35.692	ug/l	97
17) Carbon Disulfide	3.43	76	270283	19.332	ug/l	98
20) Methylene Chloride	3.88	84	46220	6.232	ug/l	92
25) 2-Butanone	6.13	43	9195	8.245	ug/l #	91
36) 1,1-Dichloropropene	7.11	75	29329	4.656	ug/l #	45
37) Ethyl Acetate	6.13	43	9195	3.110	ug/l #	66
38) Carbon Tetrachloride	7.10	117	40084	5.776	ug/l #	13
52) Toluene	10.56	92	13043	1.332	ug/l	88
74) N-amyl acetate	13.22	43	4947	2.503	ug/l #	46
76) 1,2,3-Trichloropropane	13.58	75	45416	32.409	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	45407	109.907	ug/l #	17

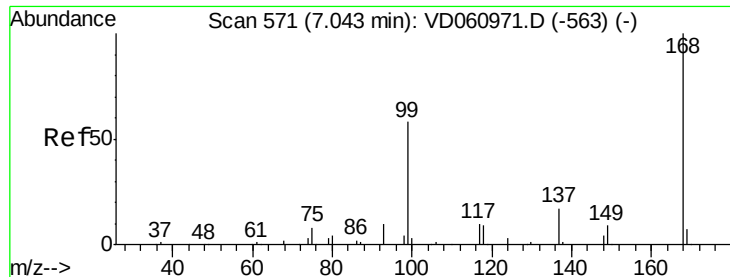
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061265.D
Acq On : 22 Mar 2019 17:14
Operator : VA/AP
Sample : K2004-04RE
Misc : 2.57g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-19(13-14)RE

Quant Time: Mar 22 23:28:18 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

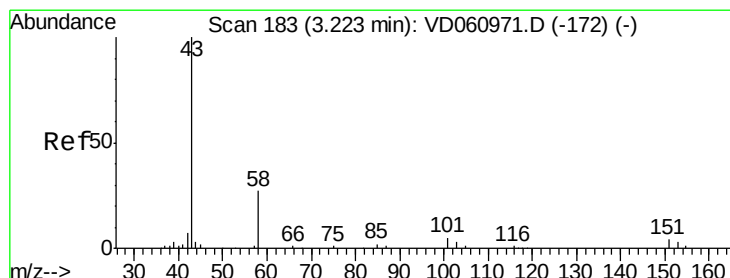
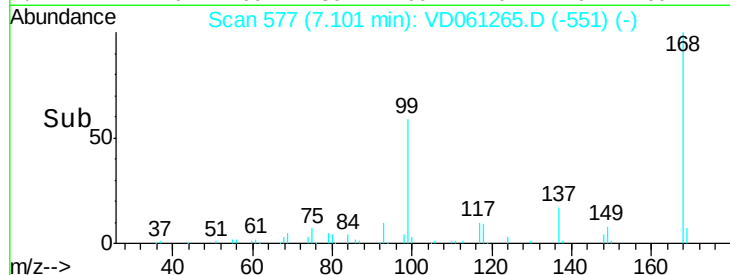
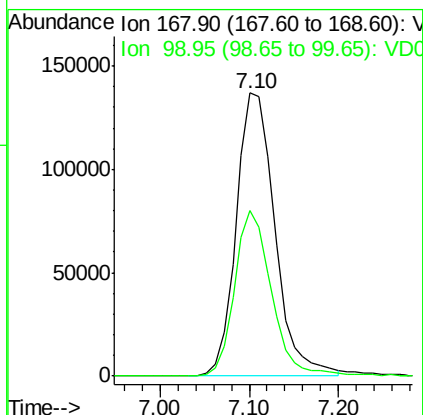
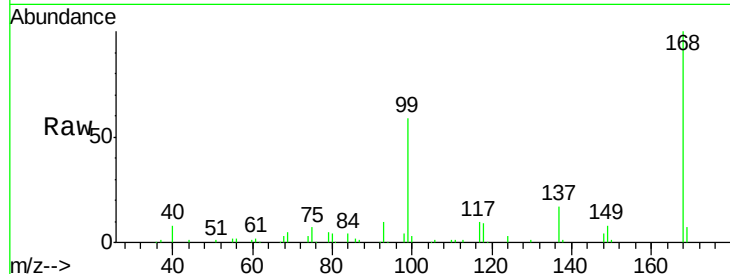




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.06 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

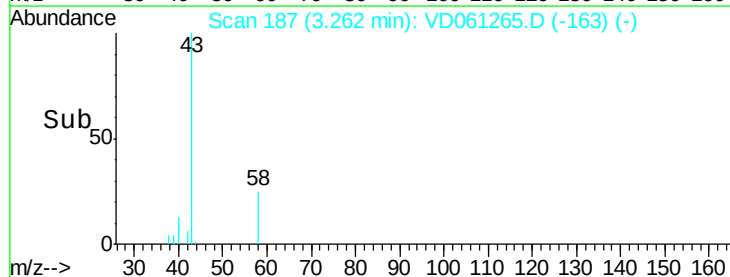
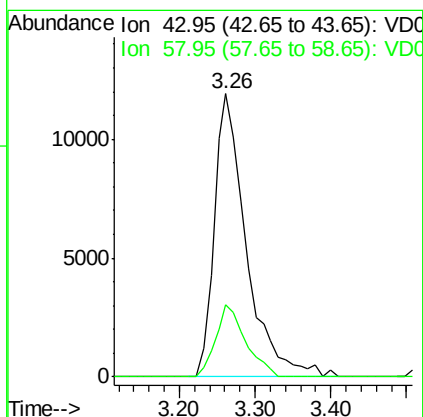
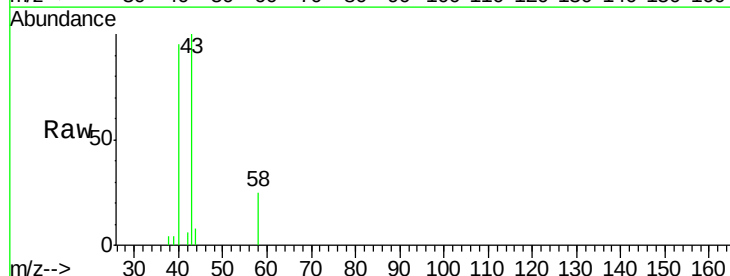
Instrument :
MSVOA_D
ClientSampleId :
SB-19(13-14)RE

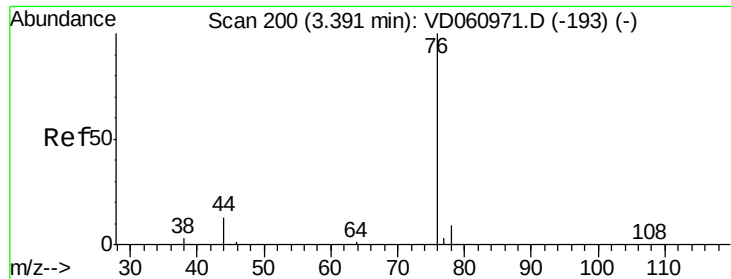
Tot Ion:168 Resp: 412892
Ion Ratio Lower Upper
168 100
99 58.6 47.3 70.9



#16
Acetone
Concen: 35.692 ug/l
RT: 3.26 min Scan# 187
Delta R.T. 0.04 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

Tgt Ion: 43 Resp: 35078
Ion Ratio Lower Upper
43 100
58 25.3 21.6 32.4





#17

Carbon Disulfide

Concen: 19.332 ug/l

RT: 3.43 min Scan# 204

Delta R.T. 0.04 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

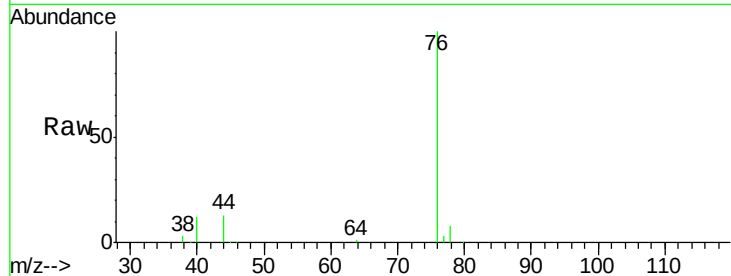
SB-19(13-14)RE

Tot Ion: 76 Resp: 270283

Ion Ratio Lower Upper

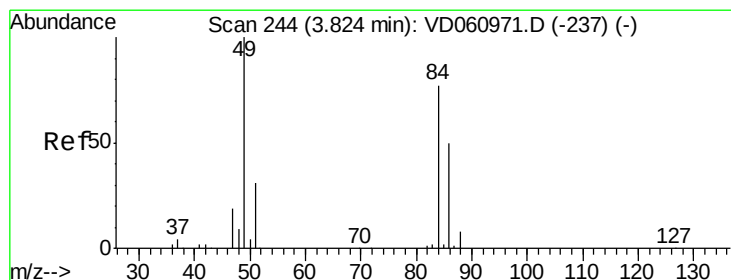
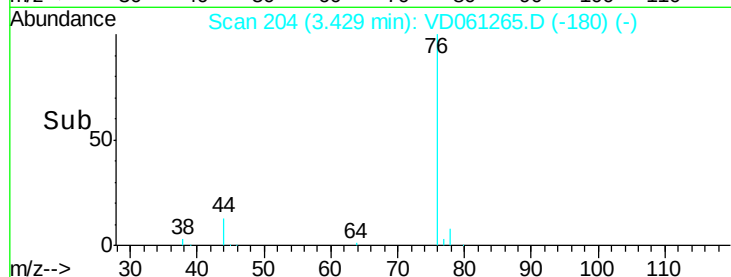
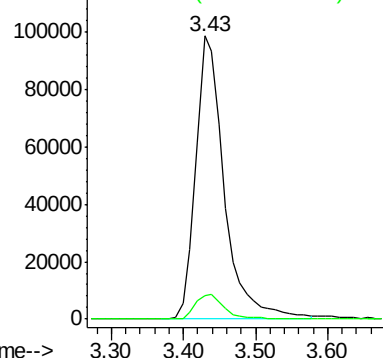
76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 6.232 ug/l

RT: 3.88 min Scan# 250

Delta R.T. 0.06 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Tgt Ion: 84 Resp: 46220

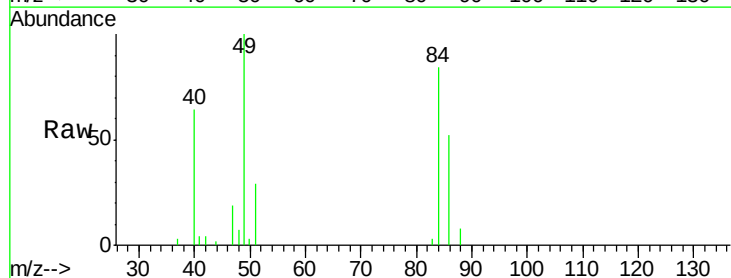
Ion Ratio Lower Upper

84 100

49 118.7 104.2 156.2

51 34.0 32.3 48.5

86 61.9 52.3 78.5

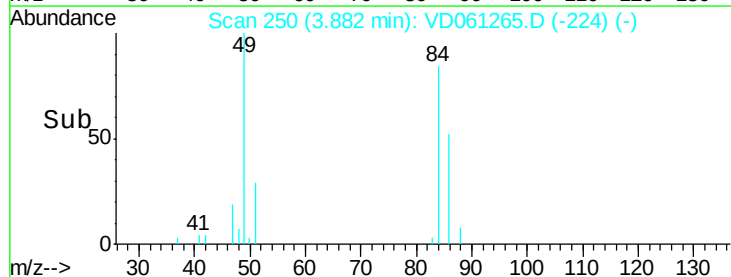
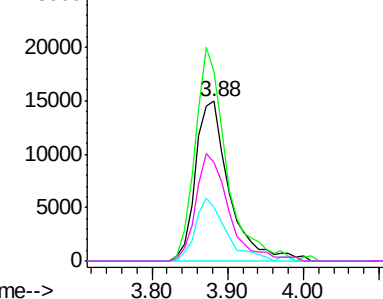


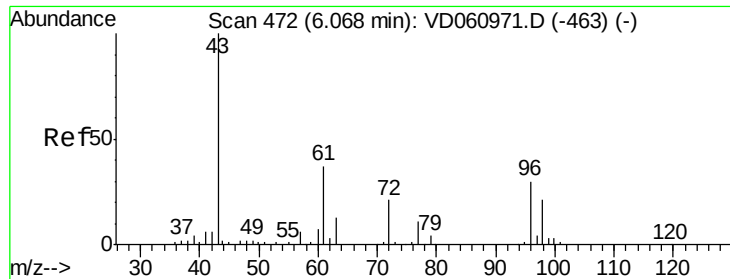
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

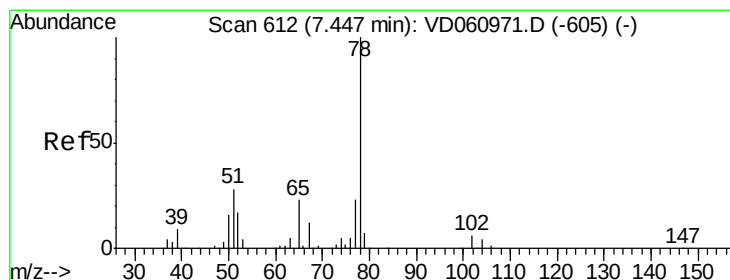
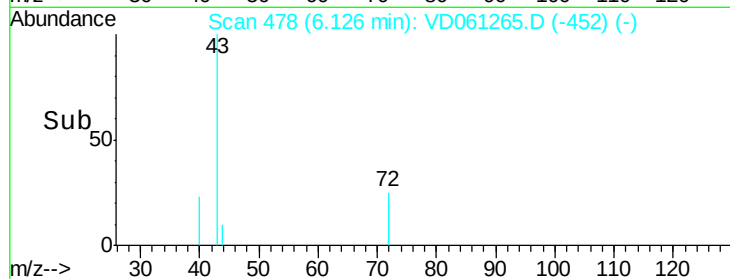
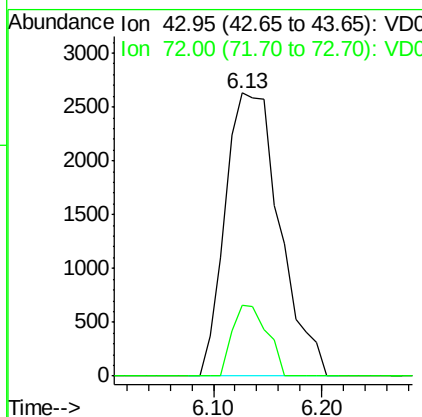
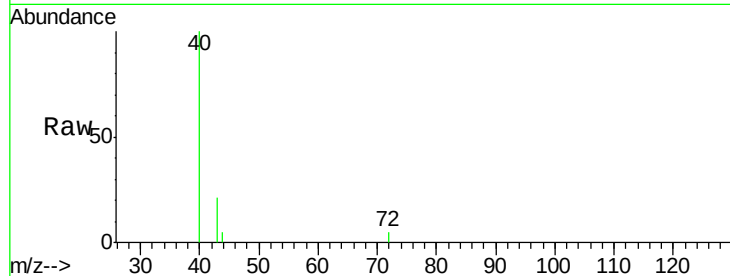




#25
2-Butanone
Concen: 8.245 ug/l
RT: 6.13 min Scan# 478
Delta R.T. 0.06 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

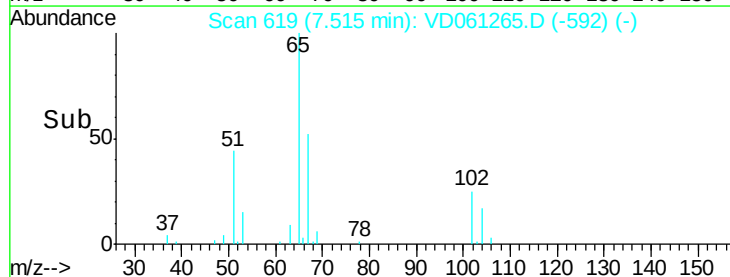
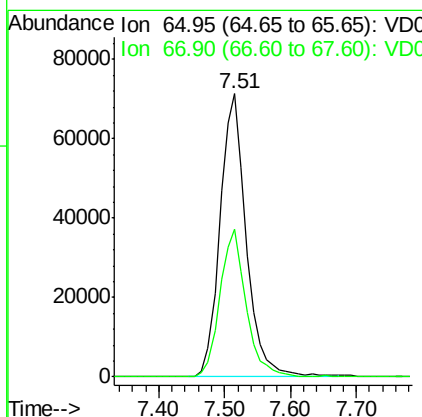
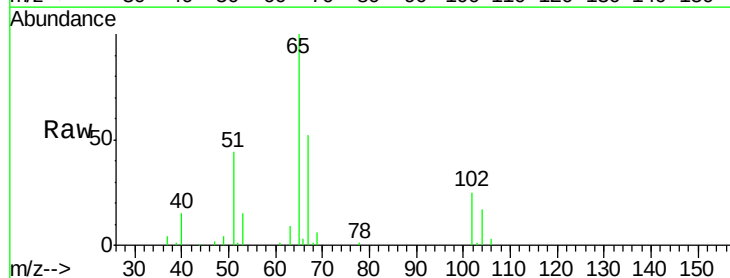
Instrument :
MSVOA_D
ClientSampleId :
SB-19(13-14)RE

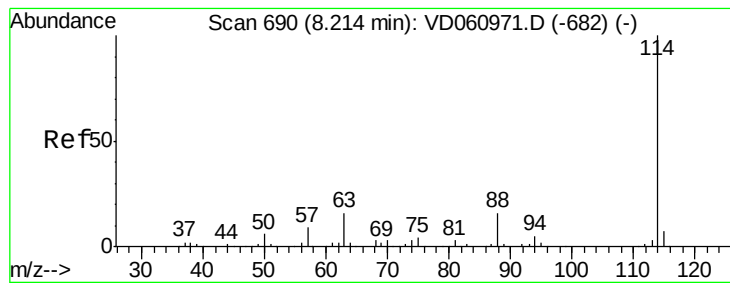
Tot Ion: 43 Resp: 9195
Ion Ratio Lower Upper
43 100
72 25.1 16.7 25.1#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.51 min Scan# 619
Delta R.T. 0.07 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

Tgt Ion: 65 Resp: 198272
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)RE

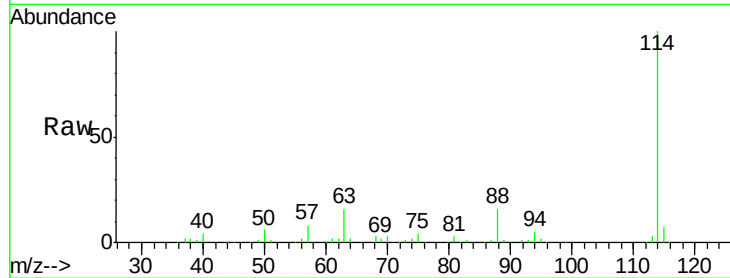
Tot Ion:114 Resp: 730844

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.4

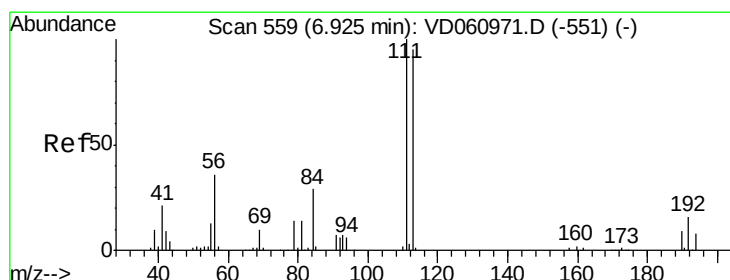
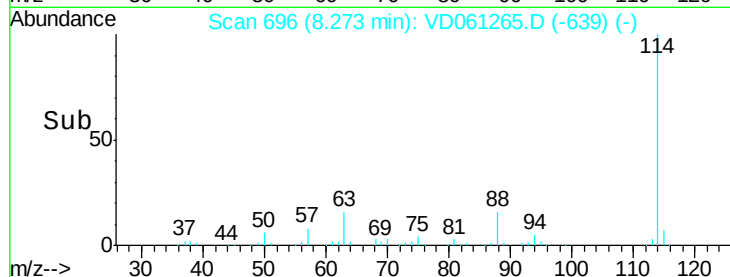
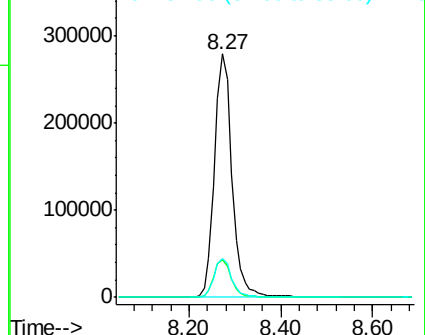
88 15.7 0.0 33.0



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: VD061265.D

Acq: 22 Mar 2019 17:14

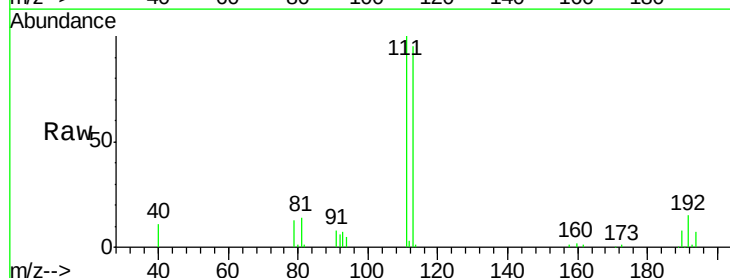
Tgt Ion:113 Resp: 301888

Ion Ratio Lower Upper

113 100

111 104.8 84.2 126.4

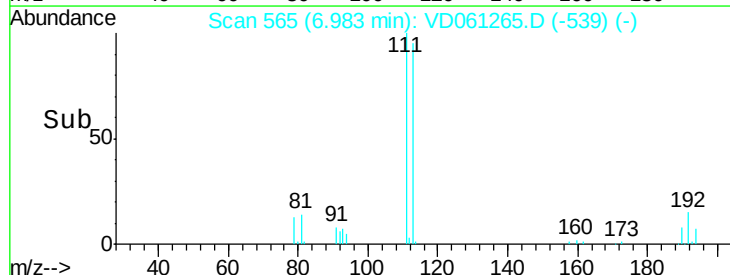
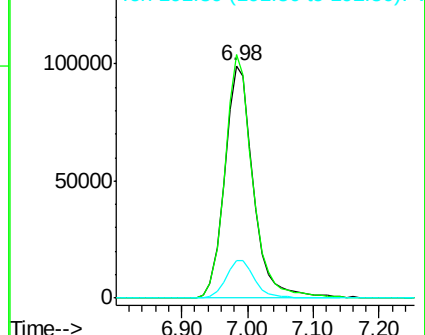
192 16.1 13.1 19.7

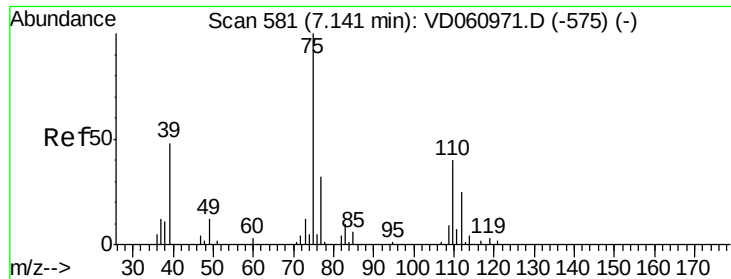


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

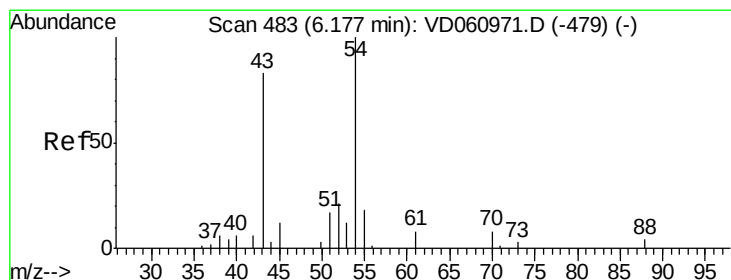
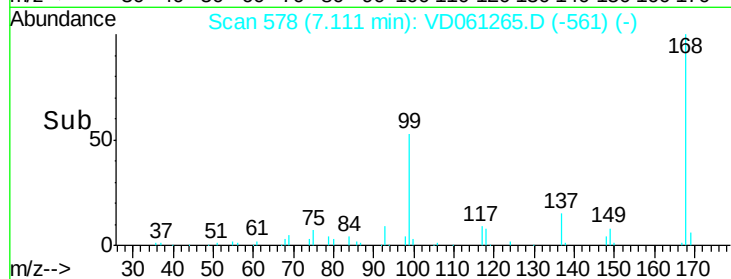
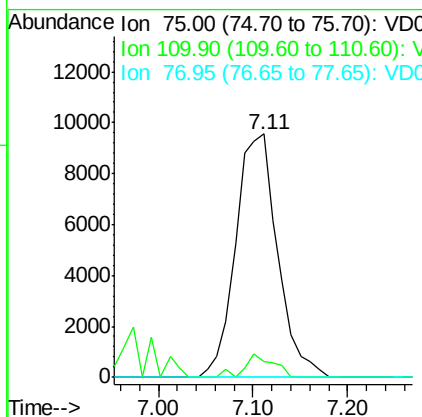
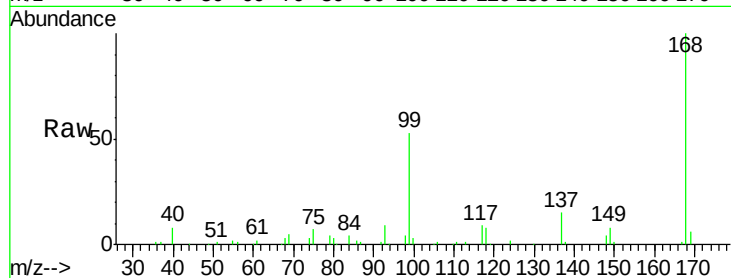




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.11 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD061265.D
 Acq: 22 Mar 2019 17:14

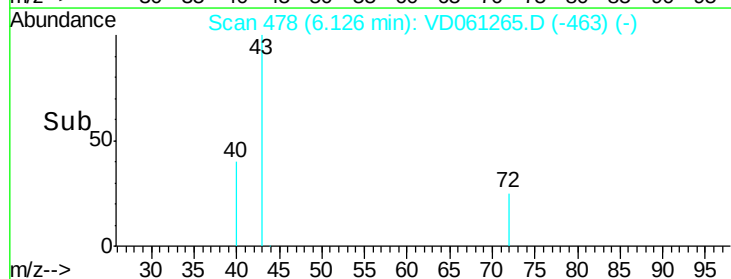
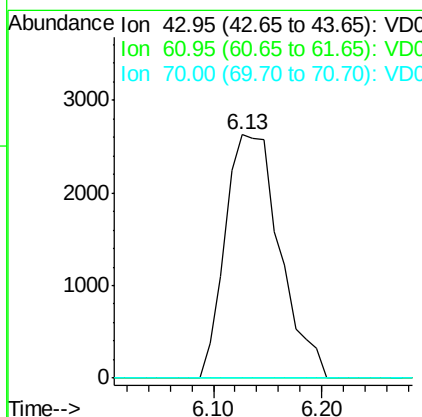
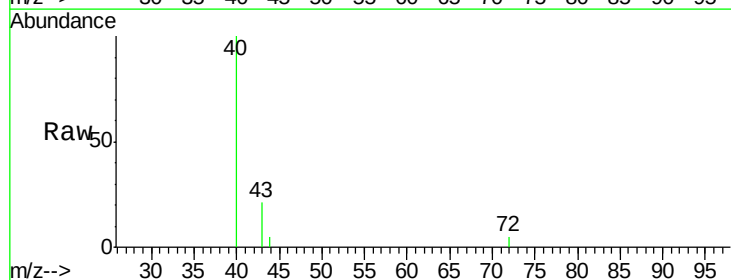
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(13-14)RE

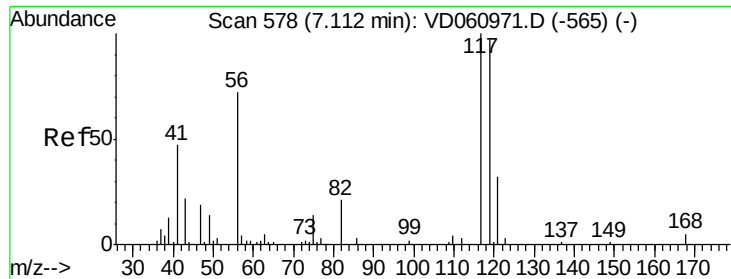
Tot Ion: 75 Resp: 29329
 Ion Ratio Lower Upper
 75 100
 110 6.6 19.7 59.1#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.110 ug/l
 RT: 6.13 min Scan# 478
 Delta R.T. -0.05 min
 Lab File: VD061265.D
 Acq: 22 Mar 2019 17:14

Tgt Ion: 43 Resp: 9195
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.7 20.5#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.776 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)RE

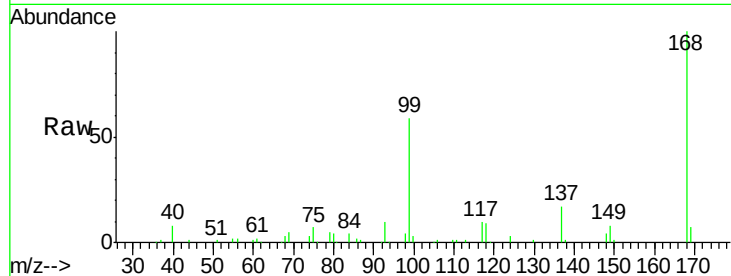
Tot Ion:117 Resp: 40084

Ion Ratio Lower Upper

117 100

119 2.7 77.8 116.8#

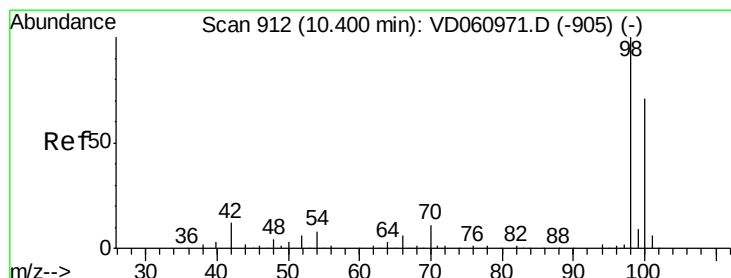
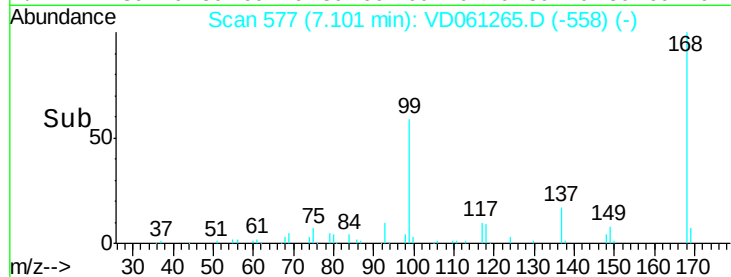
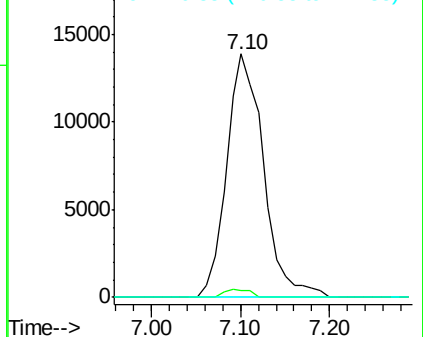
121 0.0 25.3 37.9#



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: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061265.D

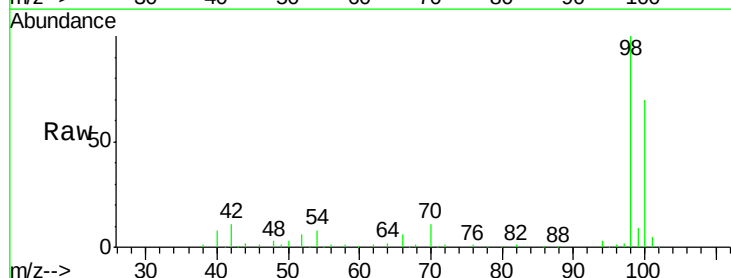
Acq: 22 Mar 2019 17:14

Tgt Ion: 98 Resp: 522246

Ion Ratio Lower Upper

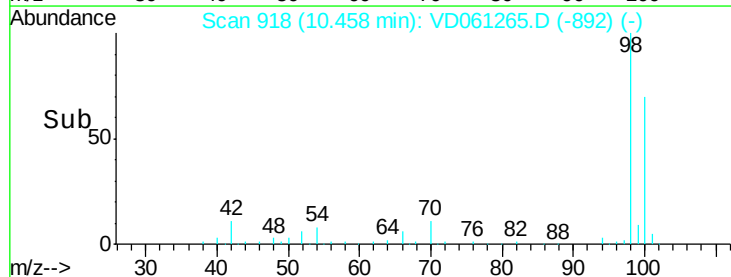
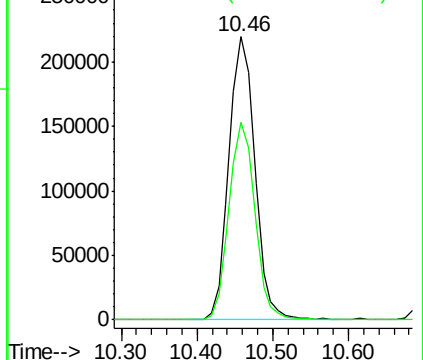
98 100

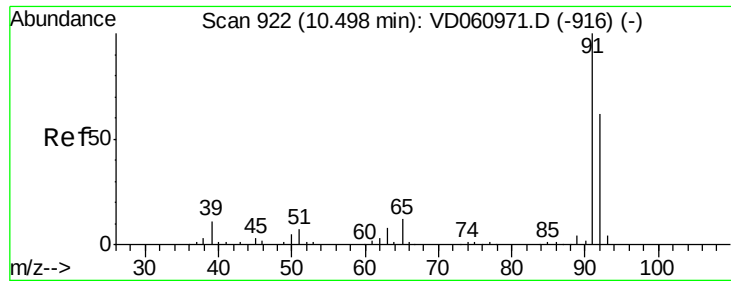
100 69.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.332 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

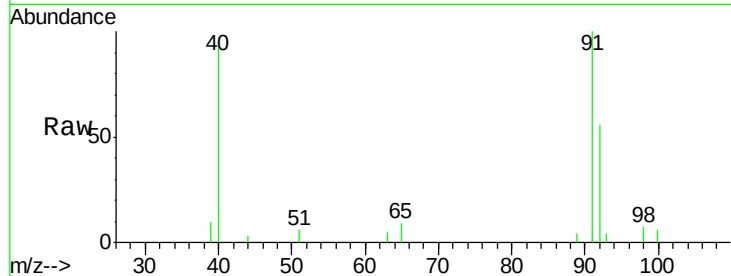
SB-19(13-14)RE

Tot Ion: 92 Resp: 13043

Ion Ratio Lower Upper

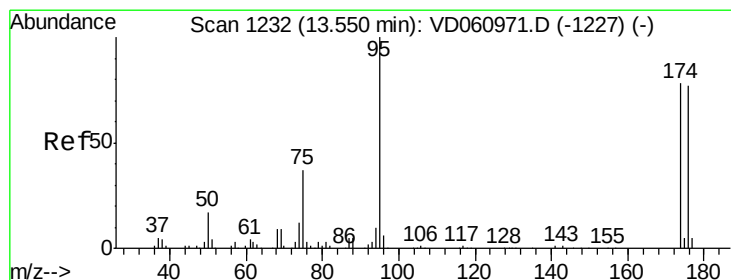
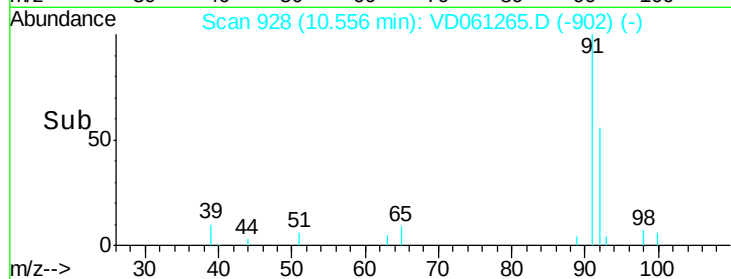
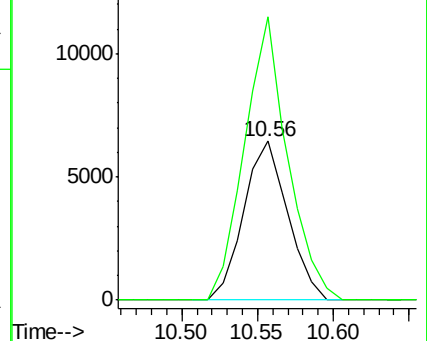
92 100

91 178.4 129.8 194.8



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: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

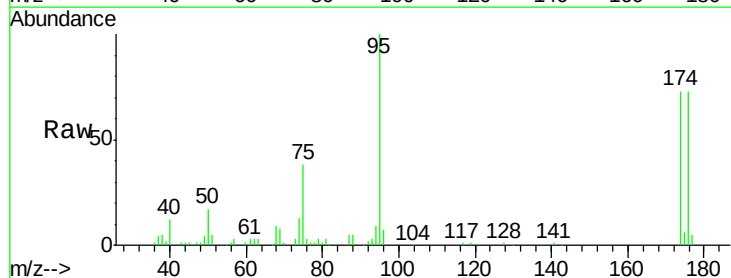
Tgt Ion: 95 Resp: 126371

Ion Ratio Lower Upper

95 100

174 72.9 0.0 155.6

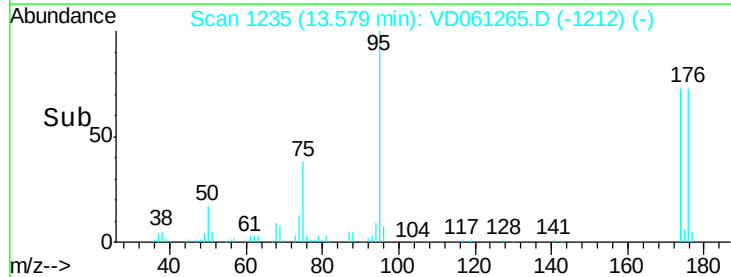
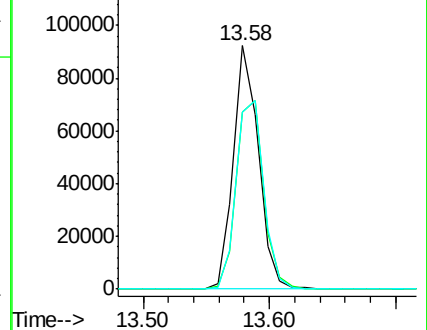
176 72.7 0.0 153.8

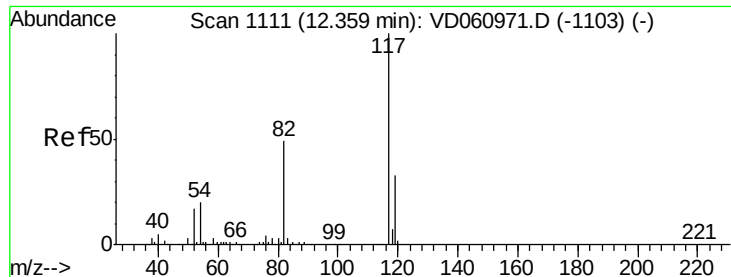


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

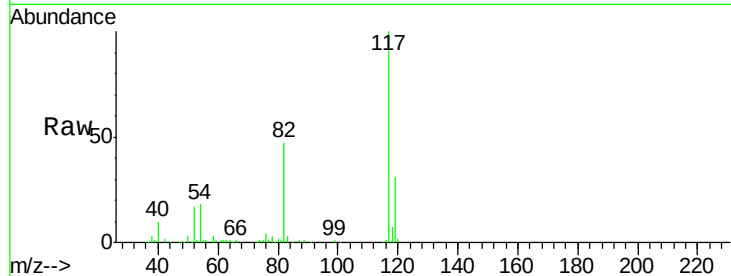




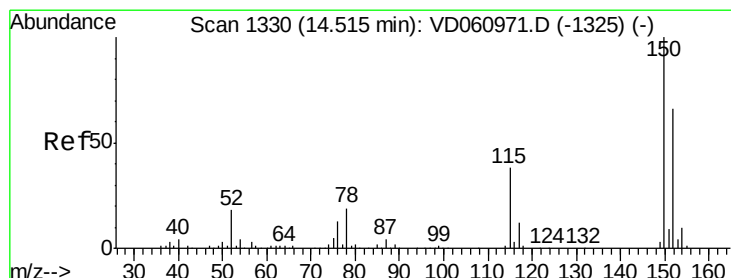
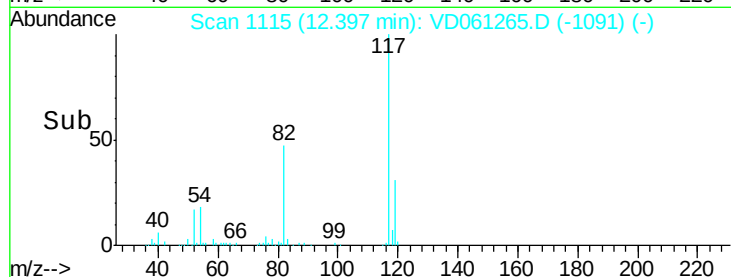
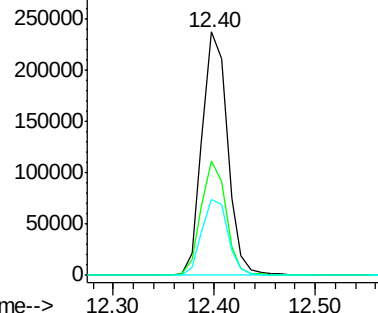
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
SB-19(13-14)RE

Tot Ion:117 Resp: 417902
Ion Ratio Lower Upper
117 100
82 46.8 38.9 58.3
119 31.2 26.6 39.8

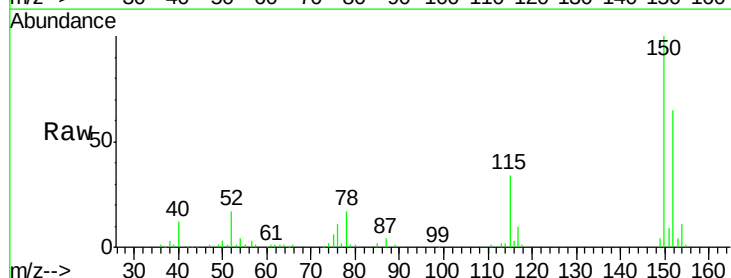


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

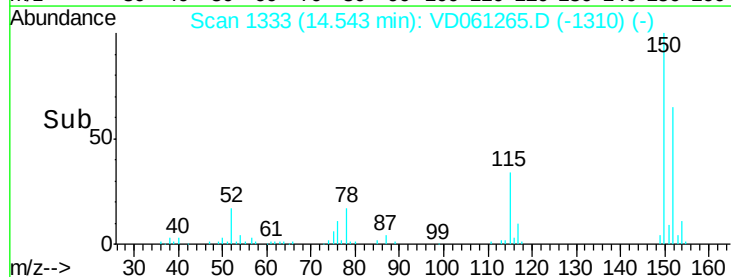
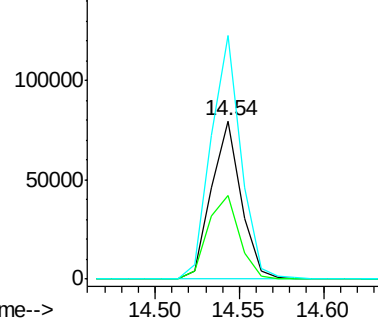


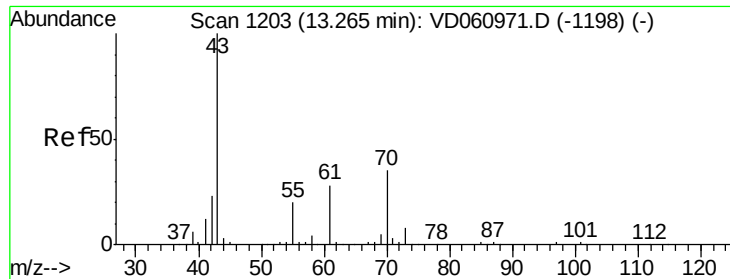
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD061265.D
Acq: 22 Mar 2019 17:14

Tgt Ion:152 Resp: 97404
Ion Ratio Lower Upper
152 100
115 52.8 28.6 85.9
150 153.9 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





#74

N-amvl acetate

Concen: 2.503 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.04 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)RE

Tot Ion: 43 Resp: 4947

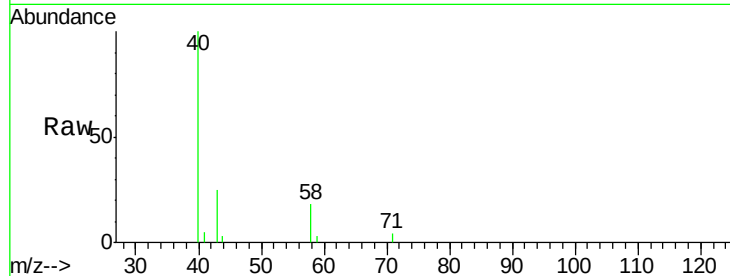
Ion Ratio Lower Upper

43 100

70 0.0 27.7 41.5#

55 0.0 16.2 24.2#

61 0.0 22.3 33.5#

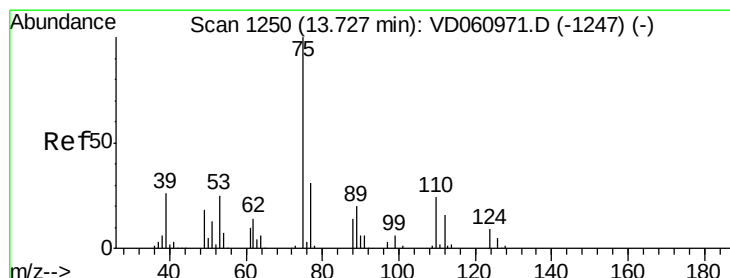
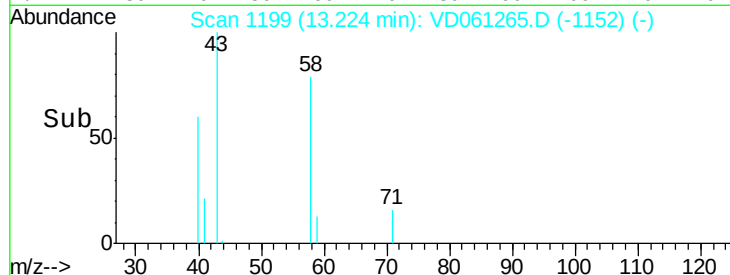
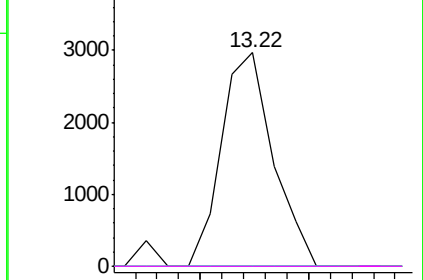


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 32.409 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.15 min

Lab File: VD061265.D

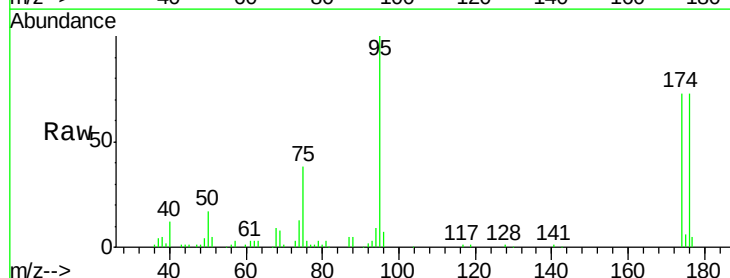
Acq: 22 Mar 2019 17:14

Tgt Ion: 75 Resp: 45416

Ion Ratio Lower Upper

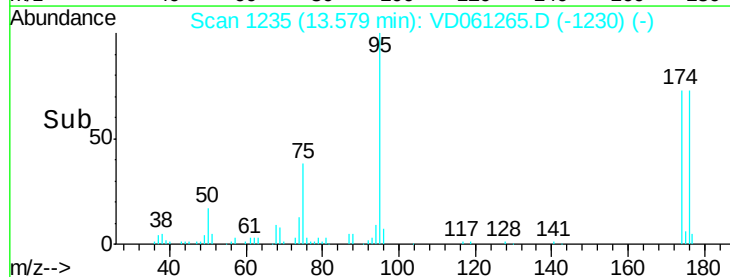
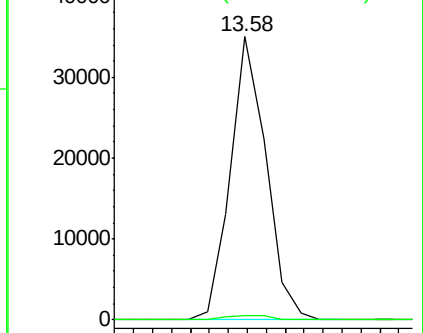
75 100

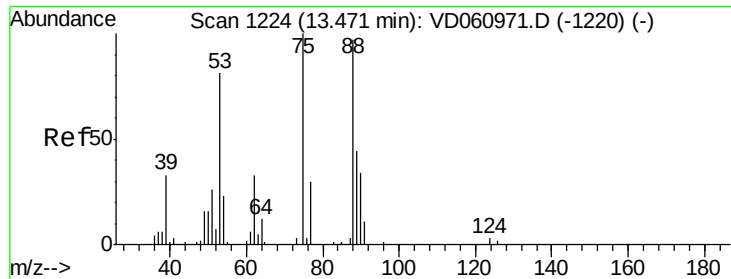
77 1.4 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 109.907 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061265.D

Acq: 22 Mar 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)RE

Tot Ion: 75 Resp: 45407

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

