

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061286.D
 Acq On : 23 Mar 2019 17:47
 Operator : VA/AP
 Sample : K2050-02RE
 Misc : 3.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-4RE

Quant Time: Mar 25 07:24:34 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

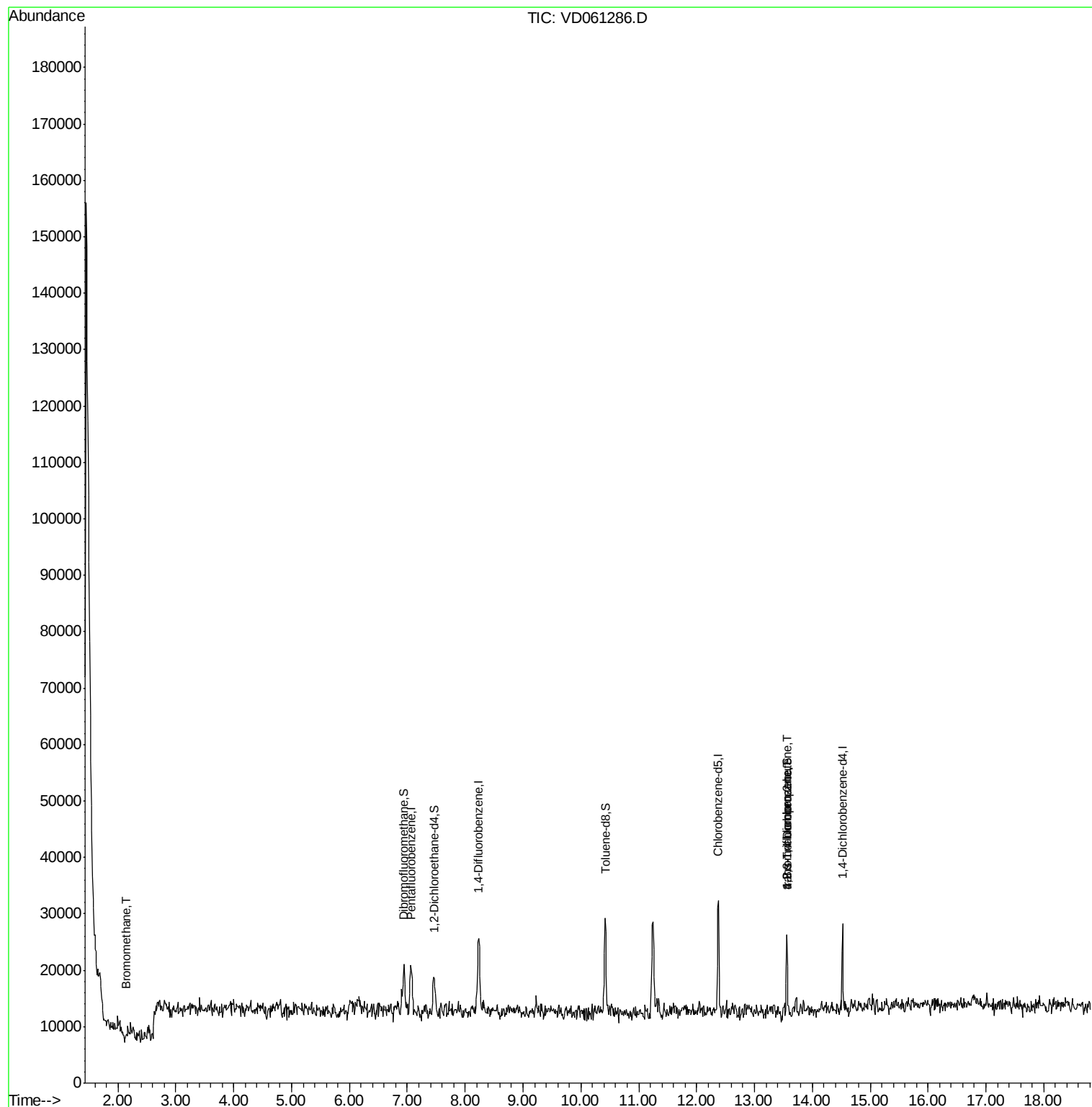
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	11319	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	22440	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	14911	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	4134	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	7769	82.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.92%	
35) Dibromofluoromethane	6.94	113	8879	53.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.43	98	16636	39.78	ug/l	0.03
Spiked Amount	50.000		Recovery	=	79.56%	
62) 4-Bromofluorobenzene	13.56	95	4934	30.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.82%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	177	9.443	ug/l #	8
20) Methylene Chloride	3.84	84	543	Below Cal	#	50
76) 1,2,3-Trichloropropane	13.56	75	1102	18.529	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	1509	86.059	ug/l #	17

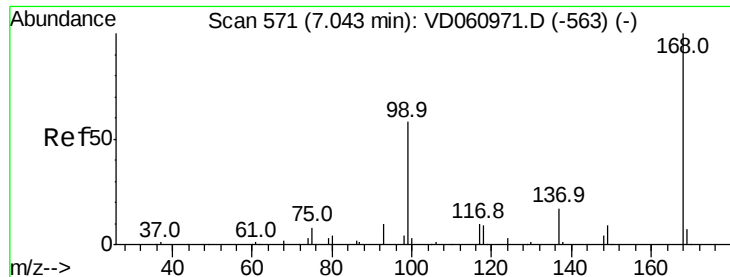
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

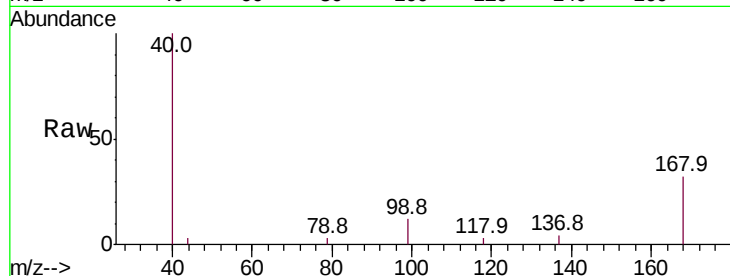
CS-4RE

Tot Ion:168 Resp: 11319

Ion Ratio Lower Upper

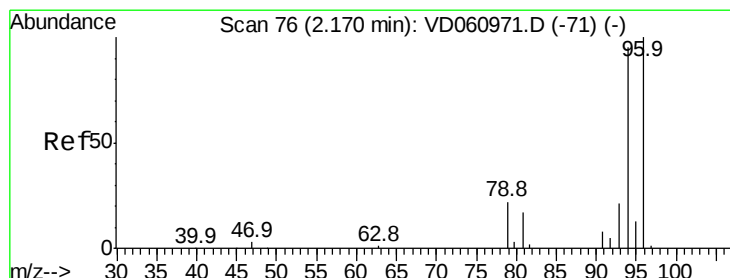
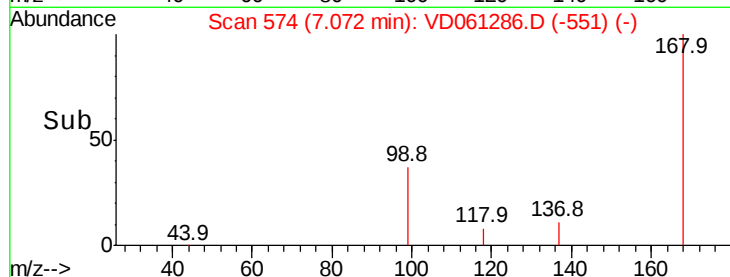
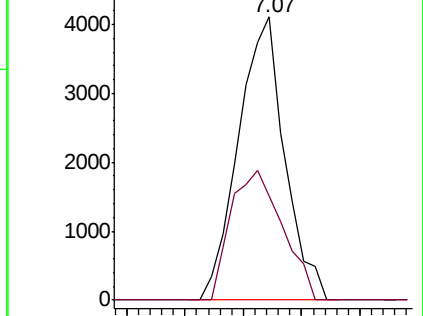
168 100

99 36.9 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 9.443 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.04 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

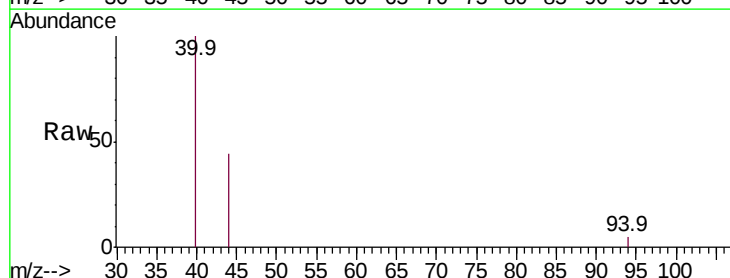
Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

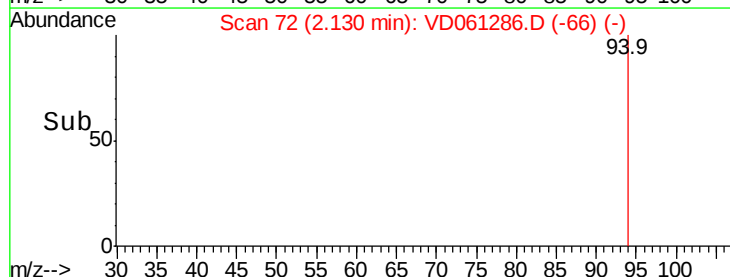
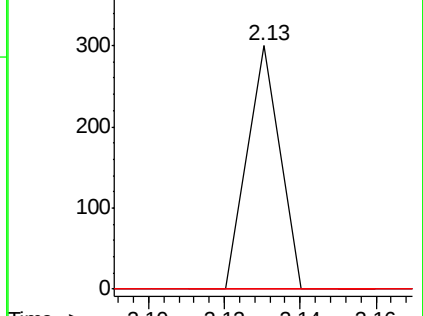
93 0.0 17.3 25.9#

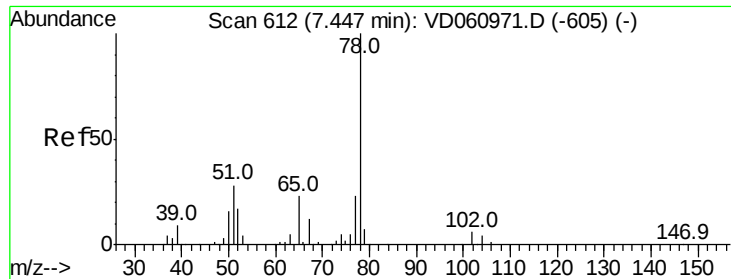


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

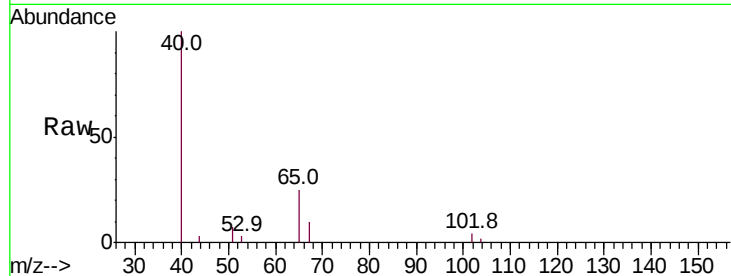
CS-4RE

Tot Ion: 65 Resp: 7769

Ion Ratio Lower Upper

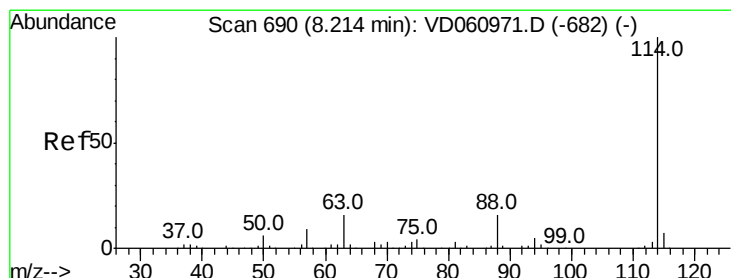
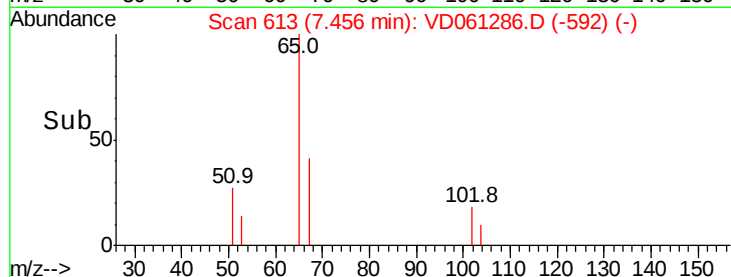
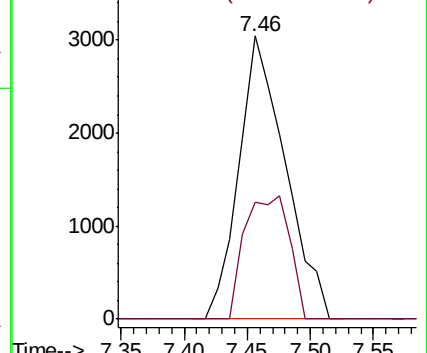
65 100

67 41.4 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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

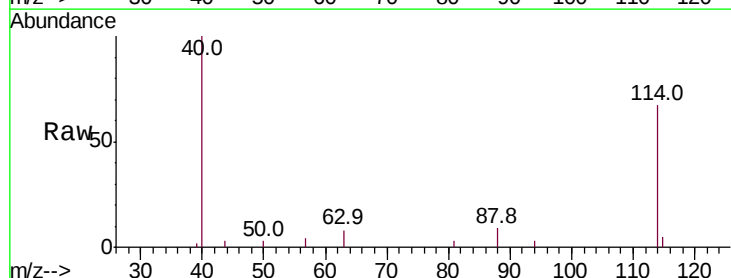
Tgt Ion:114 Resp: 22440

Ion Ratio Lower Upper

114 100

63 11.8 0.0 31.4

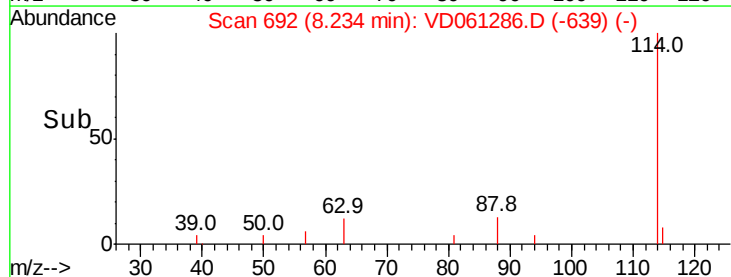
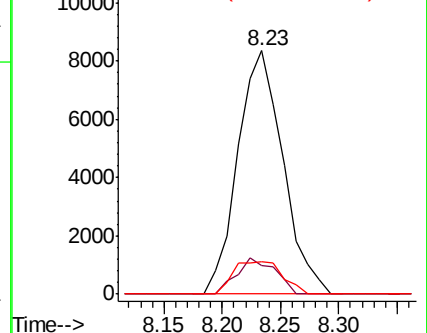
88 13.1 0.0 33.0

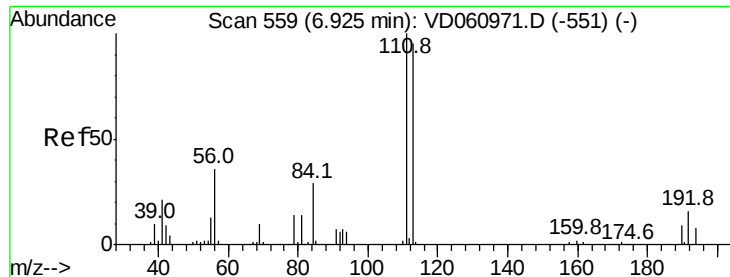


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

CS-4RE

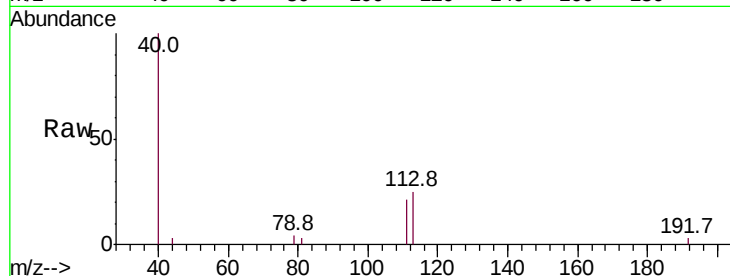
Tot Ion:113 Resp: 8879

Ion Ratio Lower Upper

113 100

111 83.7 84.2 126.4#

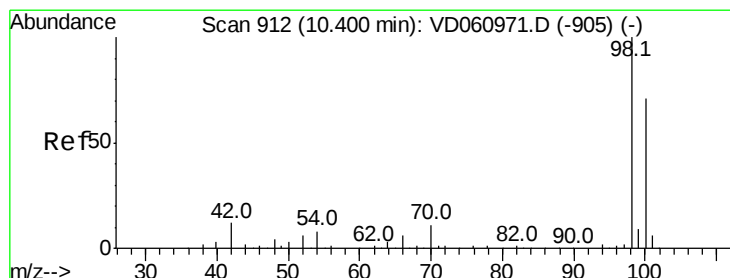
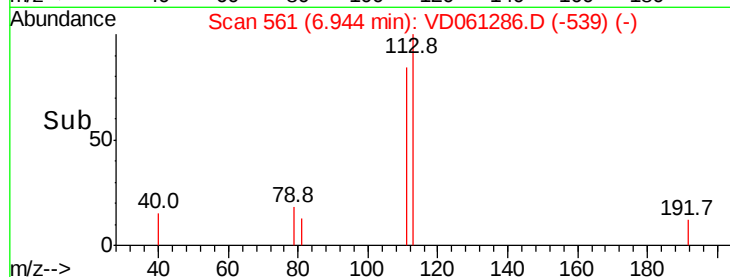
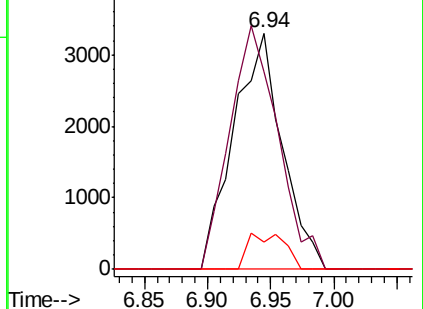
192 11.8 13.1 19.7#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061286.D

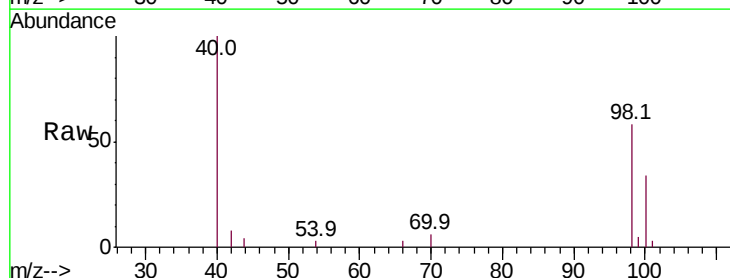
Acq: 23 Mar 2019 17:47

Tgt Ion: 98 Resp: 16636

Ion Ratio Lower Upper

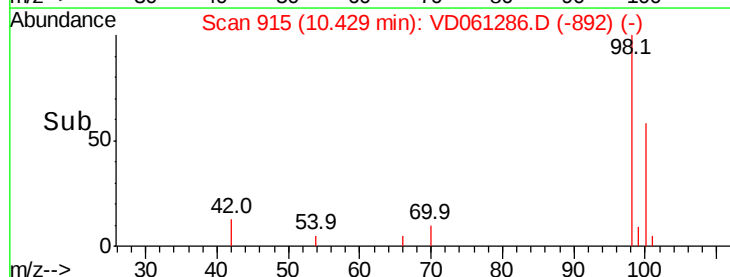
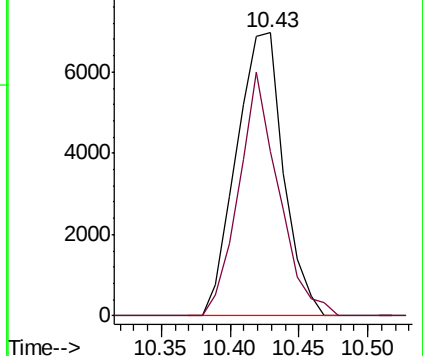
98 100

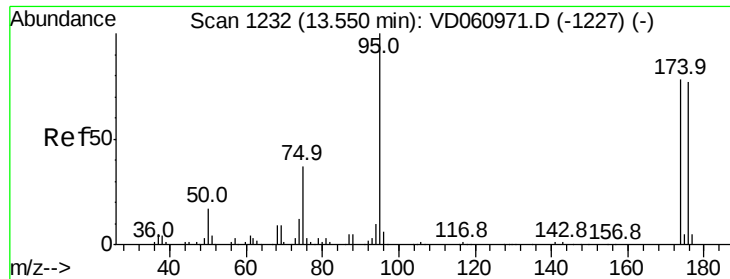
100 58.1 57.4 86.2



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampled :

CS-4RE

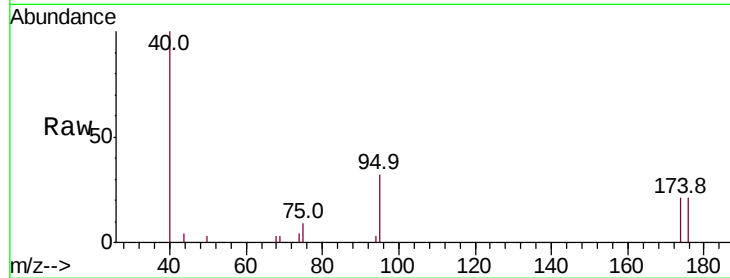
Tot Ion: 95 Resp: 4934

Ion Ratio Lower Upper

95 100

174 67.7 0.0 155.6

176 65.8 0.0 153.8

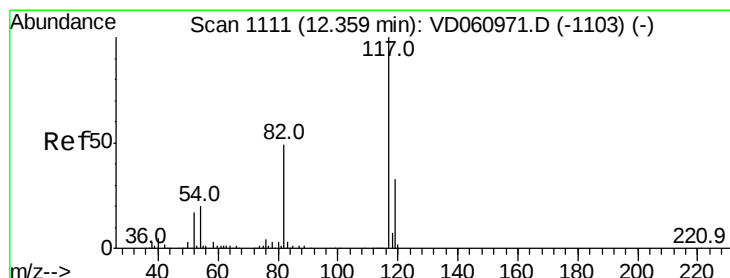
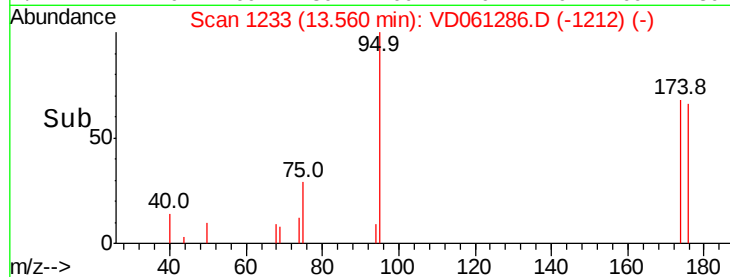


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time--> 13.50 13.55 13.60



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

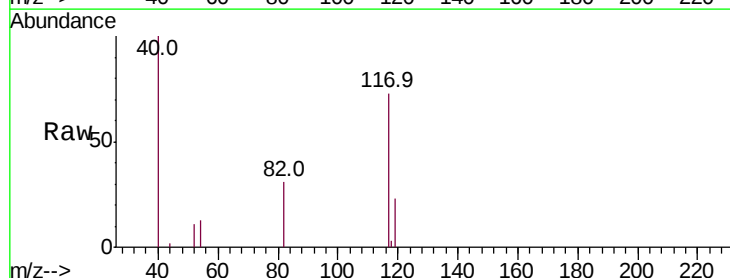
Tgt Ion: 117 Resp: 14911

Ion Ratio Lower Upper

117 100

82 42.8 38.9 58.3

119 32.1 26.6 39.8

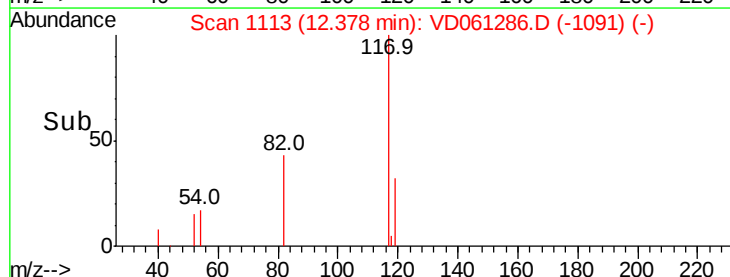


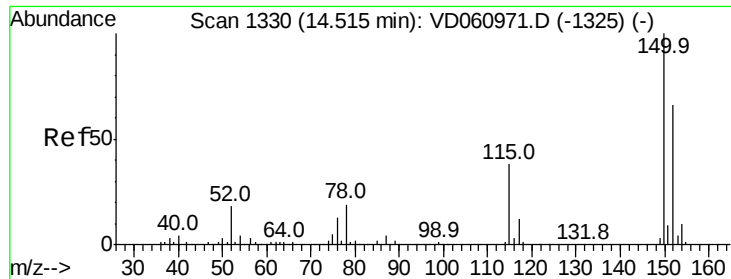
Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time--> 12.30 12.35 12.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

CS-4RE

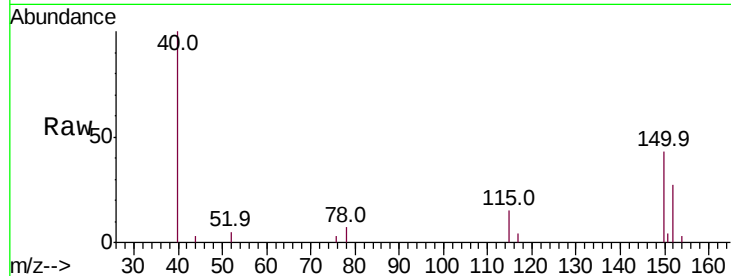
Tot Ion:152 Resp: 4134

Ion Ratio Lower Upper

152 100

115 55.6 28.6 85.9

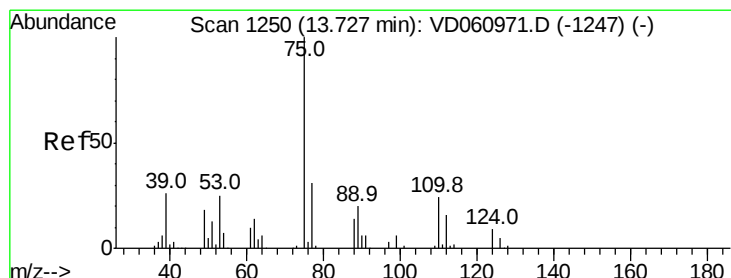
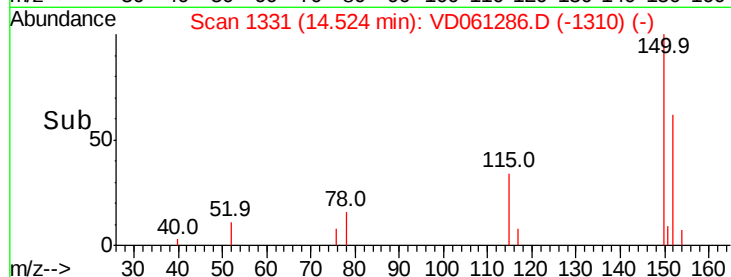
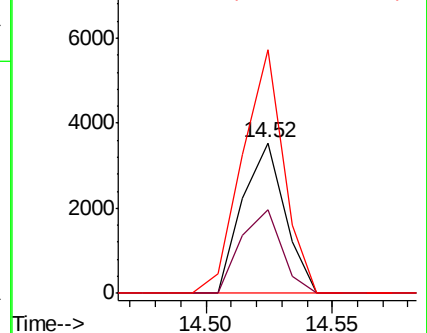
150 161.5 0.0 310.6



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: 18.529 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061286.D

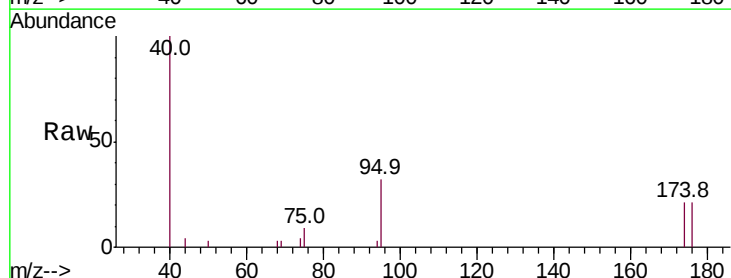
Acq: 23 Mar 2019 17:47

Tgt Ion: 75 Resp: 1102

Ion Ratio Lower Upper

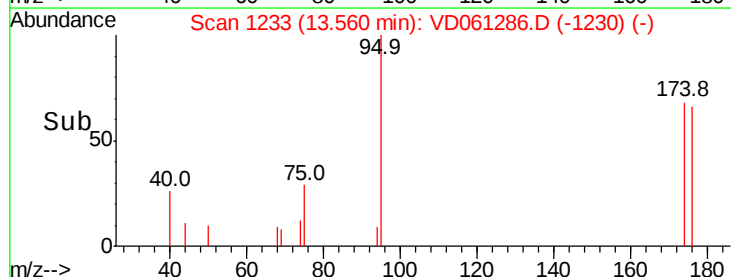
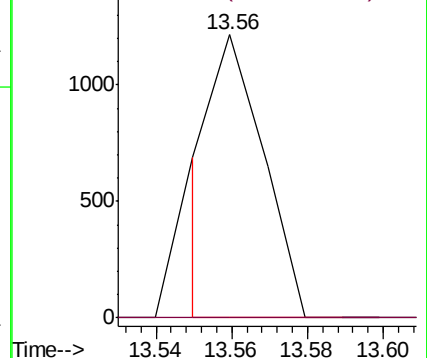
75 100

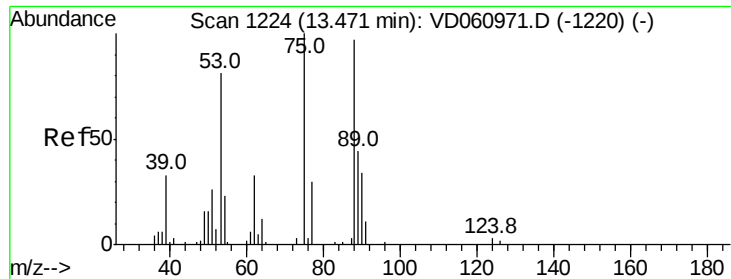
77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 86.059 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061286.D

Acq: 23 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

CS-4RE

Tot Ion: 75 Resp: 1509

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

