

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061400.D
 Acq On : 28 Mar 2019 19:32
 Operator : VA/AP
 Sample : K2097-04RE
 Misc : 3.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-19RE

Quant Time: Mar 29 01:21:44 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	520628	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	847068	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	573966	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	161453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	216592	48.70	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	97.40%	
35) Dibromofluoromethane	6.92	113	342089	52.85	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	105.70%	
50) Toluene-d8	10.41	98	754773	48.61	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	13.55	95	212784	35.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.48%	

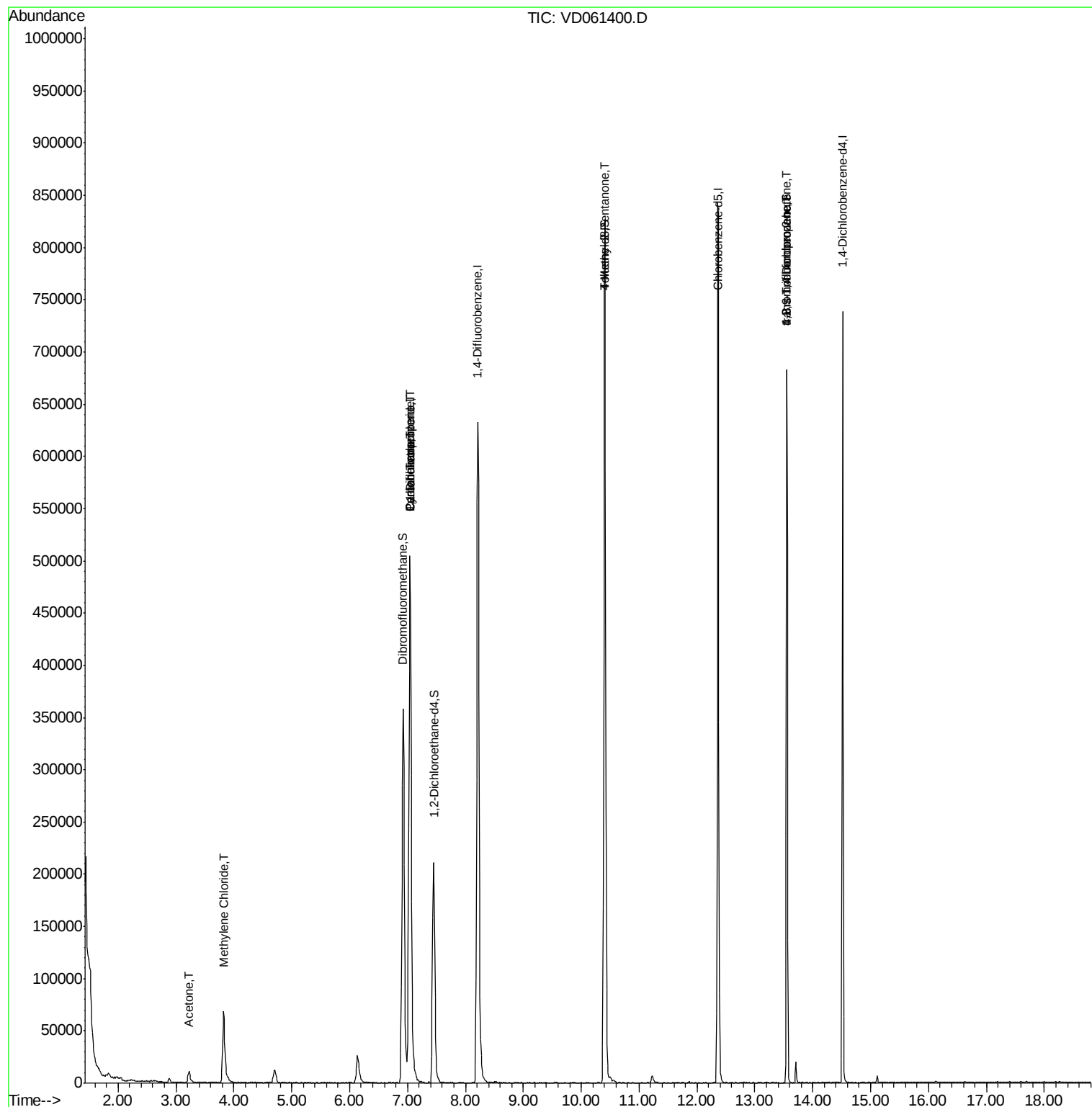
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	23072	20.181	ug/l #	82
20) Methylene Chloride	3.82	84	52580	6.541	ug/l #	84
31) Cyclohexane	7.04	56	8186	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	37221	5.035	ug/l #	45
38) Carbon Tetrachloride	7.04	117	48768	5.741	ug/l #	13
51) 4-Methyl-2-Pentanone	10.41	43	2983	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	62964	26.997	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	78461	110.338	ug/l #	18

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

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Acq On : 28 Mar 2019 19:32
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Sample : K2097-04RE
Misc : 3.05a/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 29 01:21:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061400.D

Acq: 28 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

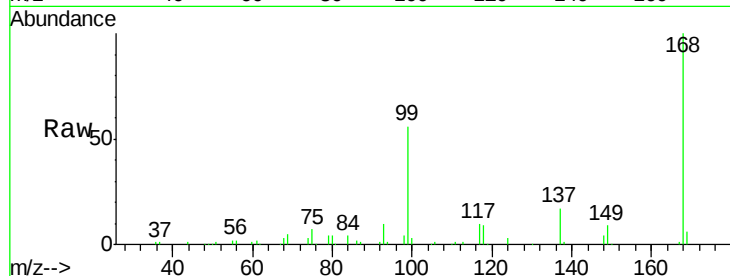
CS-19RE

Tot Ion:168 Resp: 520628

Ion Ratio Lower Upper

168 100

99 56.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

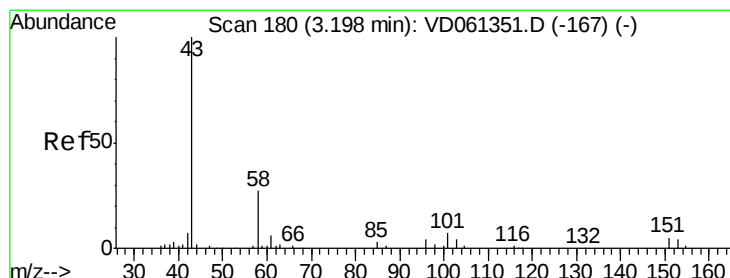
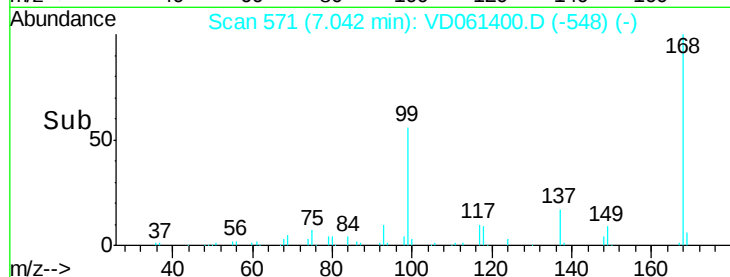
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 20.181 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061400.D

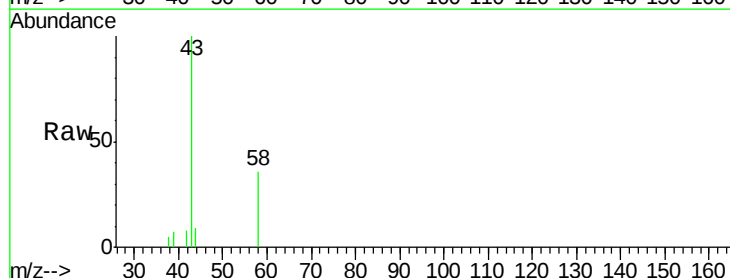
Acq: 28 Mar 2019 19:32

Tgt Ion: 43 Resp: 23072

Ion Ratio Lower Upper

43 100

58 36.3 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

8000

6000

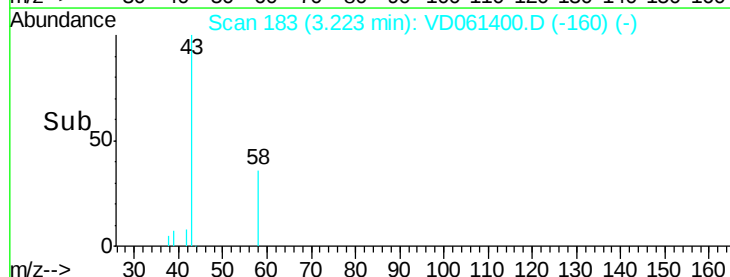
4000

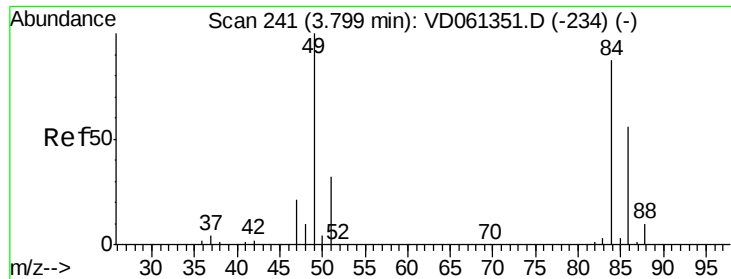
2000

0

3.20 3.30

Time-->

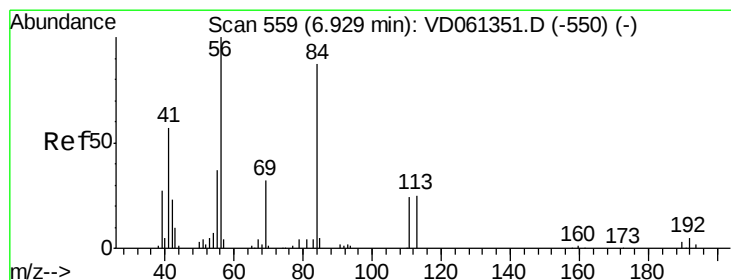
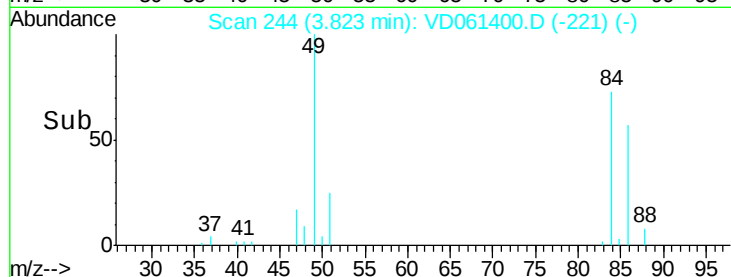
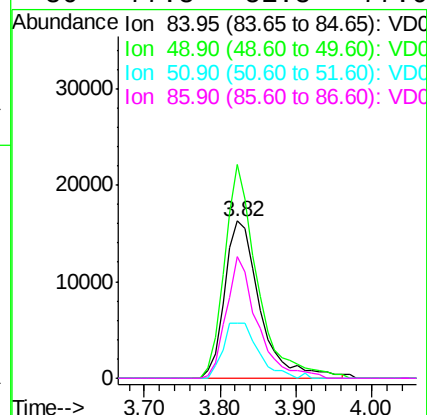
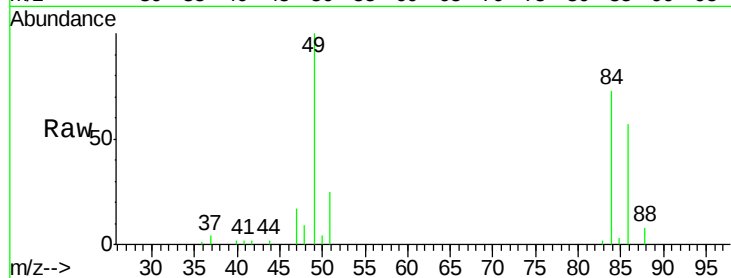




#20
Methylene Chloride
Concen: 6.541 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

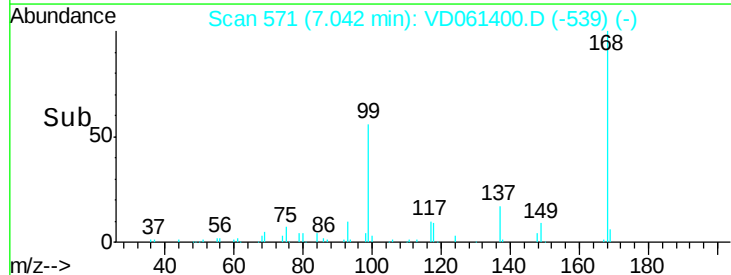
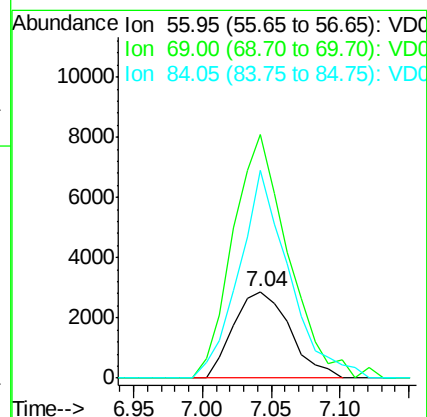
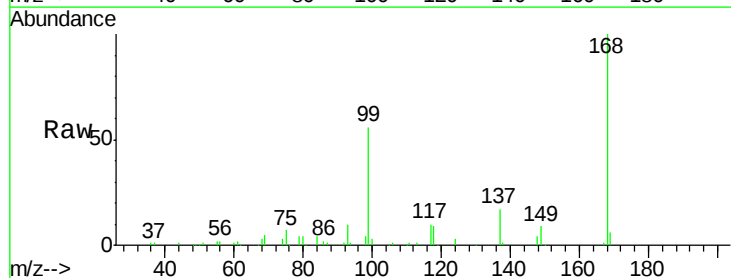
Instrument :
MSVOA_D
ClientSampleId :
CS-19RE

Tot Ion: 84 Resp: 52580
Ion Ratio Lower Upper
84 100
49 136.1 91.8 137.8
51 34.7 29.8 44.8
86 77.8 51.8 77.6#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

Tgt Ion: 56 Resp: 8186
Ion Ratio Lower Upper
56 100
69 282.6 25.7 38.5#
84 240.6 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: VD061400.D

Acq: 28 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

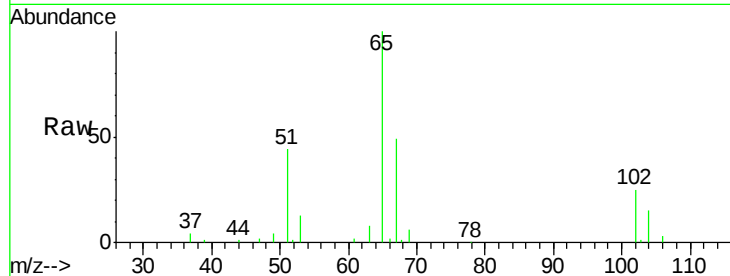
CS-19RE

Tot Ion: 65 Resp: 216592

Ion Ratio Lower Upper

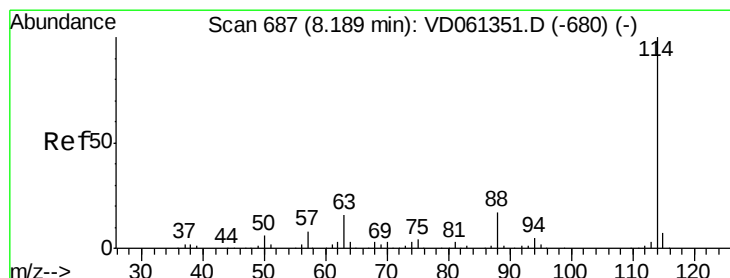
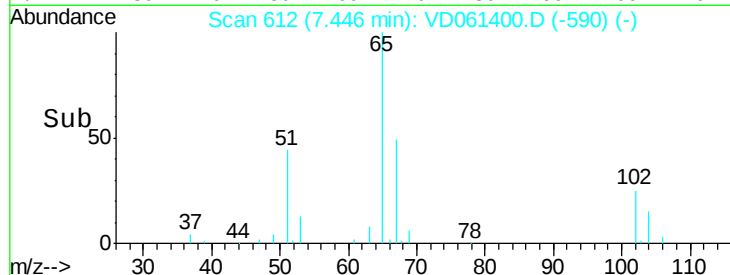
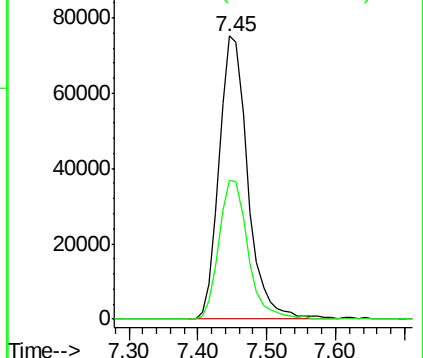
65 100

67 49.2 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: VD061400.D

Acq: 28 Mar 2019 19:32

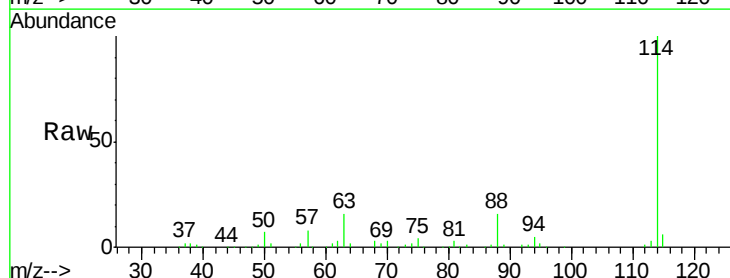
Tgt Ion: 114 Resp: 847068

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.6

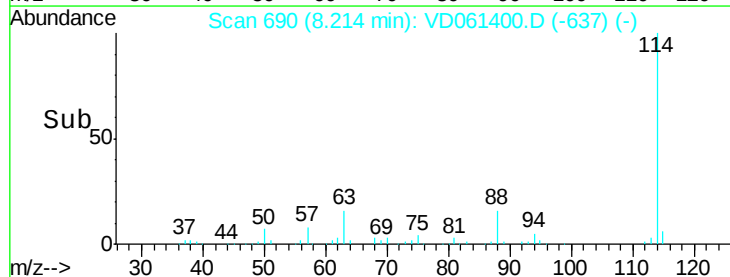
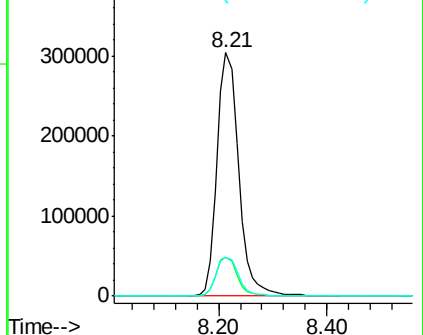
88 16.2 0.0 33.4



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: VD061400.D

Acq: 28 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

CS-19RE

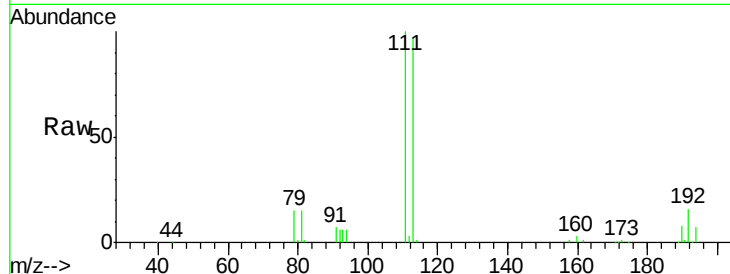
Tot Ion:113 Resp: 342089

Ion Ratio Lower Upper

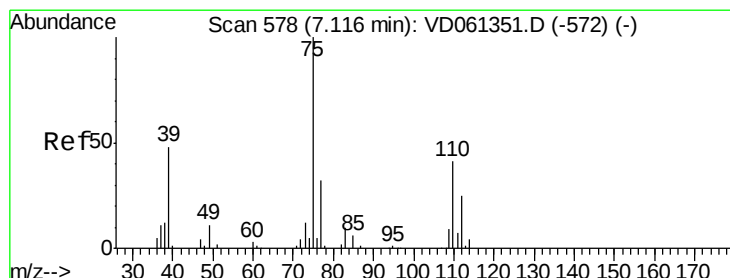
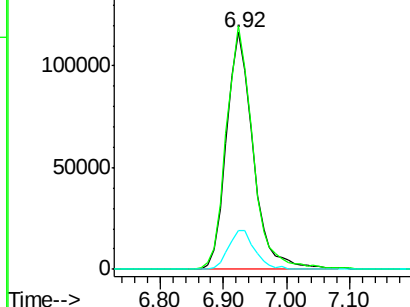
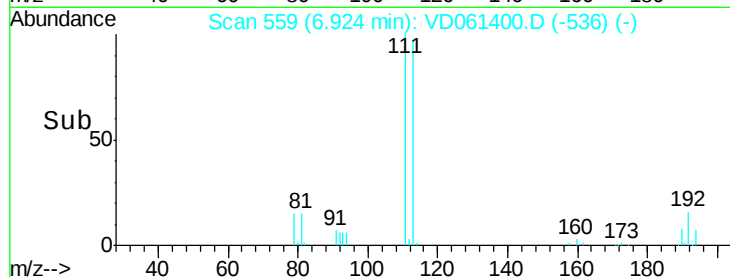
113 100

111 102.7 81.0 121.6

192 16.5 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: 5.035 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061400.D

Acq: 28 Mar 2019 19:32

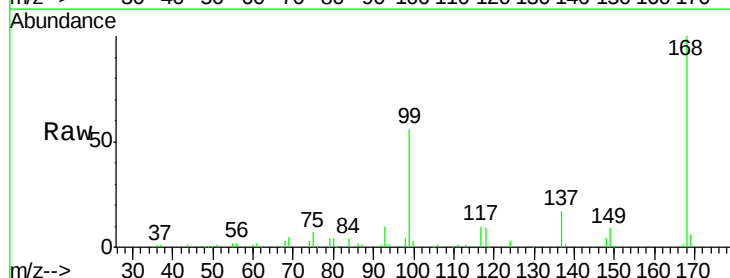
Tgt Ion: 75 Resp: 37221

Ion Ratio Lower Upper

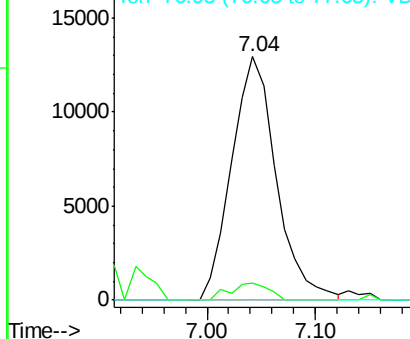
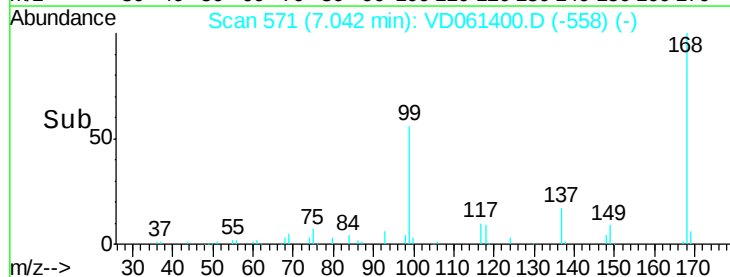
75 100

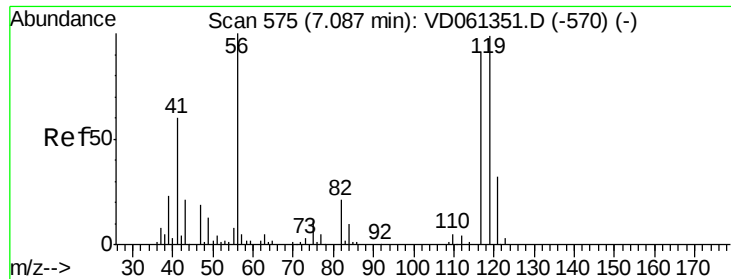
110 6.8 20.4 61.3#

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

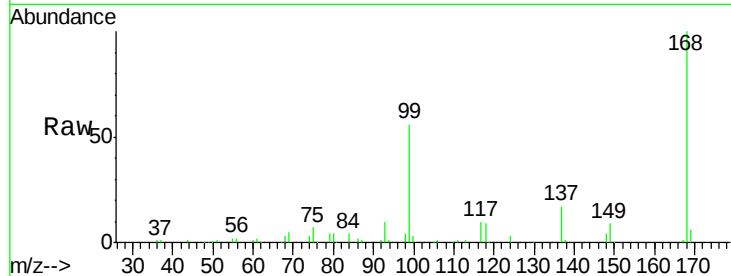




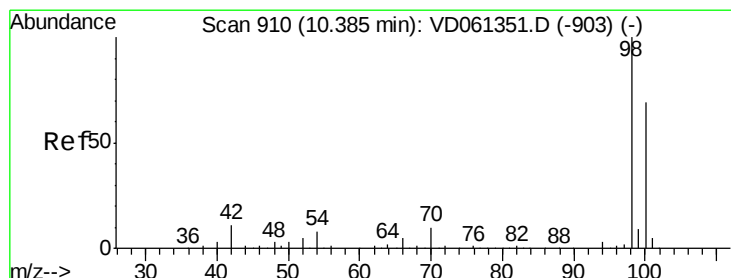
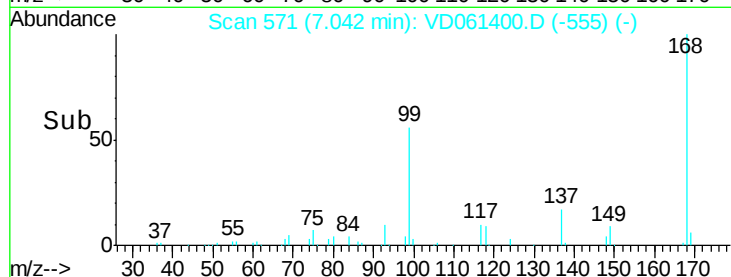
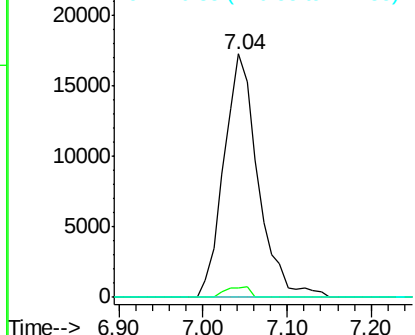
#38
Carbon Tetrachloride
Concen: 5.741 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampleId :
CS-19RE

Tot Ion:117 Resp: 48768
Ion Ratio Lower Upper
117 100
119 3.8 80.1 120.1#
121 0.0 25.6 38.4#

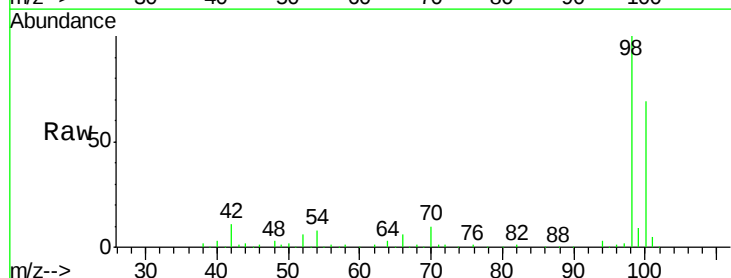


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

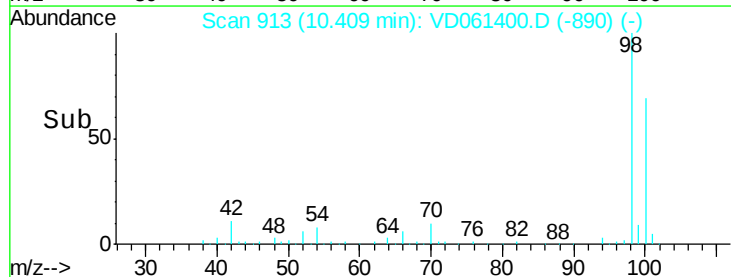
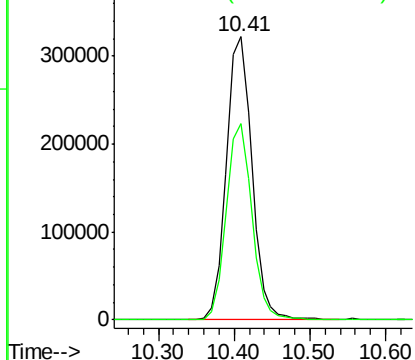


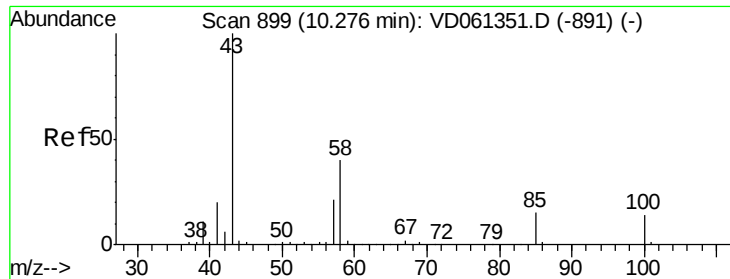
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

Tgt Ion: 98 Resp: 754773
Ion Ratio Lower Upper
98 100
100 69.5 56.2 84.2



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: 1.066 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD061400.D

Acq: 28 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

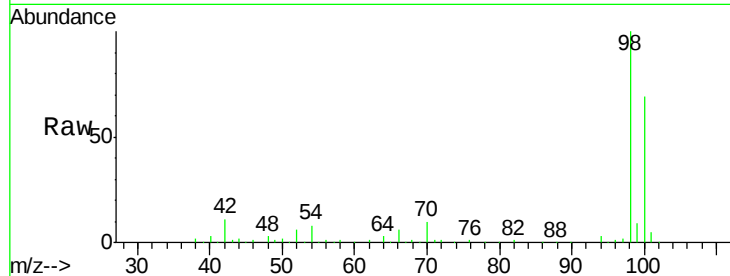
CS-19RE

Tot Ion: 43 Resp: 2983

Ion Ratio Lower Upper

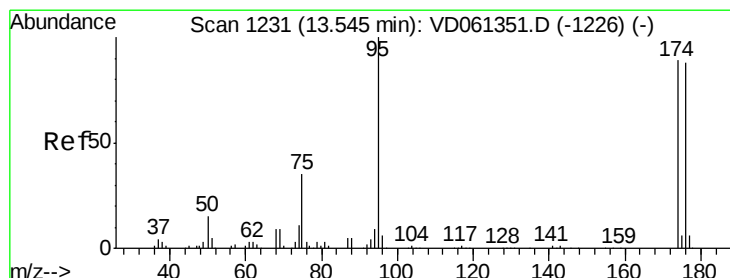
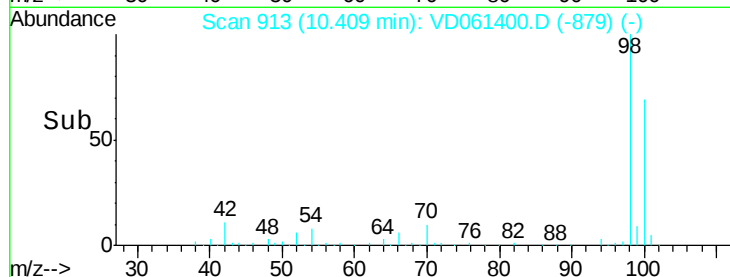
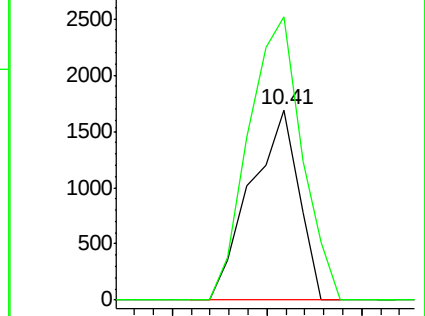
43 100

58 148.8 31.8 47.8#



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061400.D

Acq: 28 Mar 2019 19:32

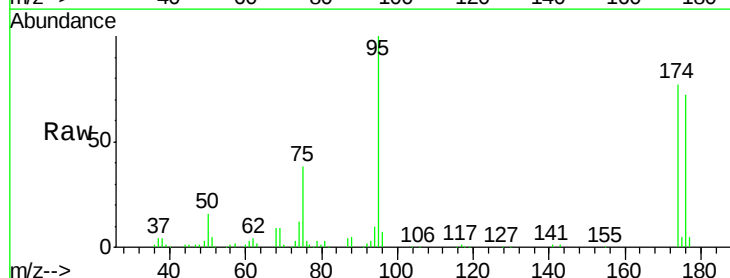
Tgt Ion: 95 Resp: 212784

Ion Ratio Lower Upper

95 100

174 77.1 0.0 178.0

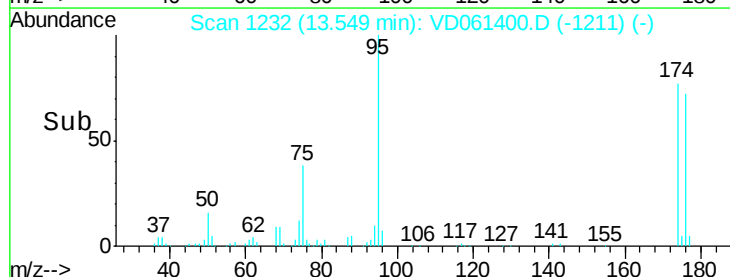
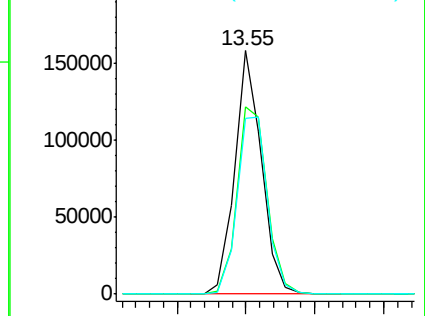
176 72.0 0.0 175.0

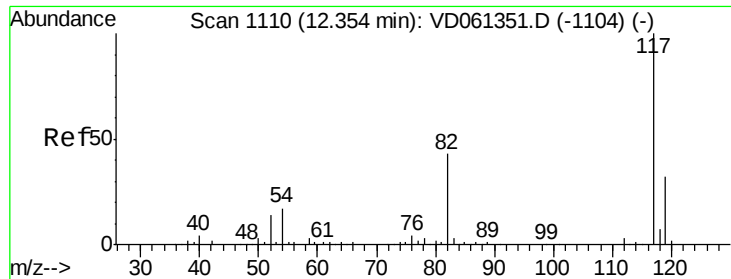


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

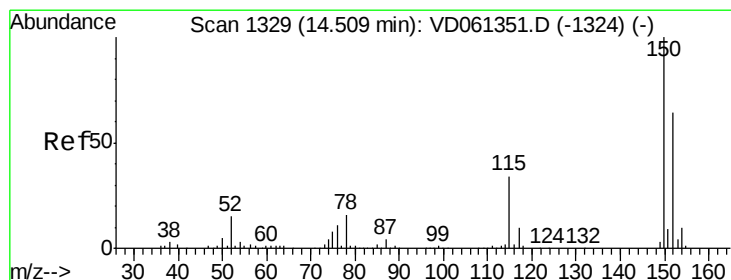
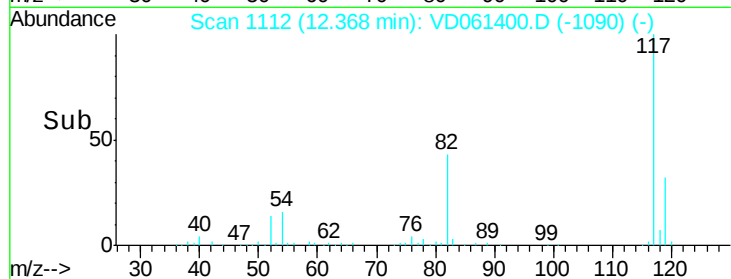
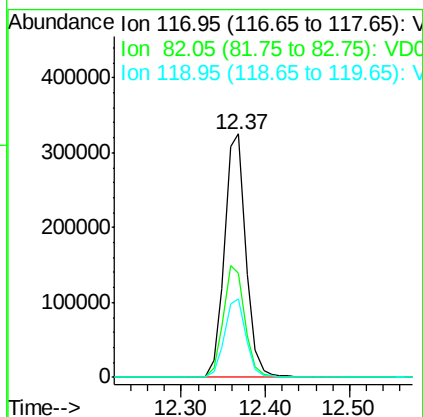
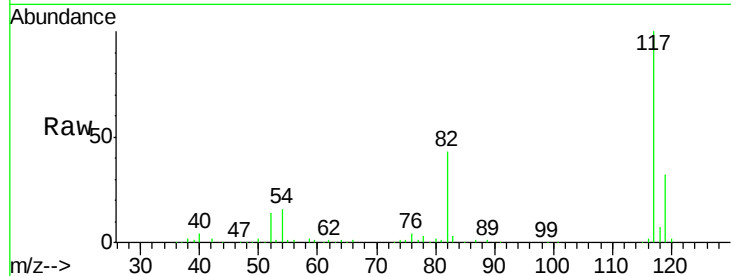




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

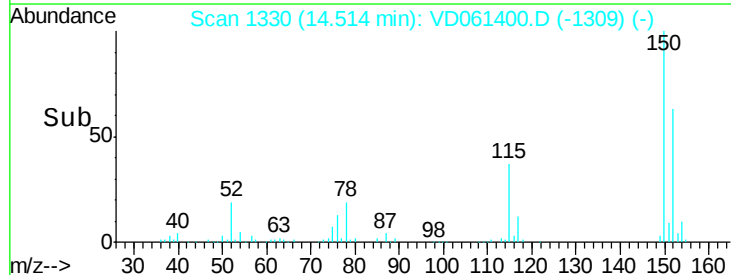
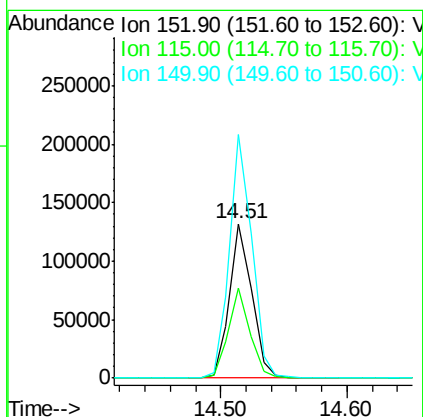
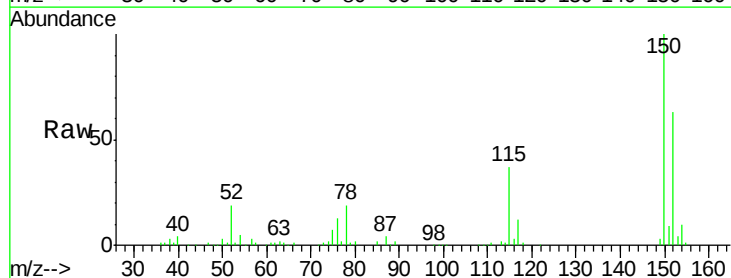
Instrument :
MSVOA_D
ClientSampleId :
CS-19RE

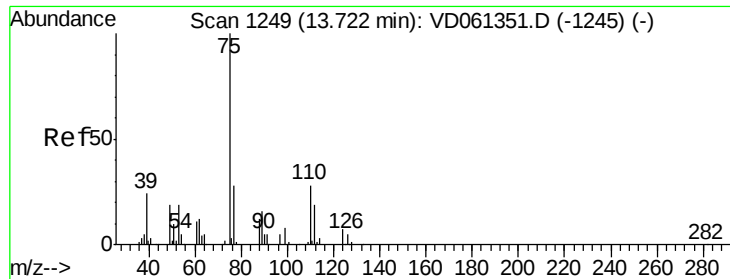
Tot Ion:117 Resp: 573966
Ion Ratio Lower Upper
117 100
82 42.7 34.4 51.6
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061400.D
Acq: 28 Mar 2019 19:32

Tgt Ion:152 Resp: 161453
Ion Ratio Lower Upper
152 100
115 58.3 26.9 80.6
150 157.6 0.0 318.0

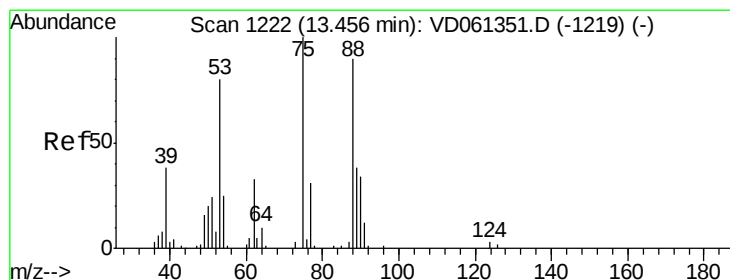
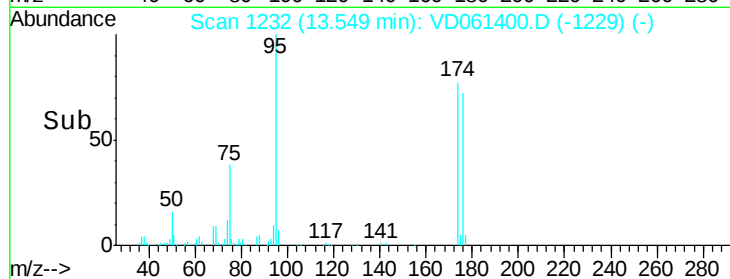
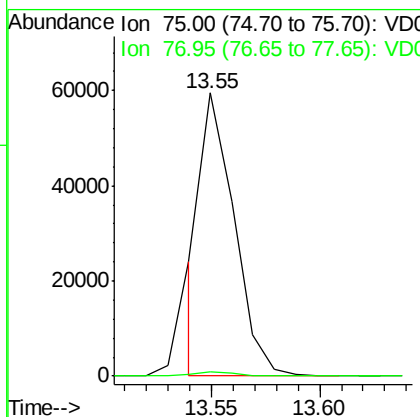
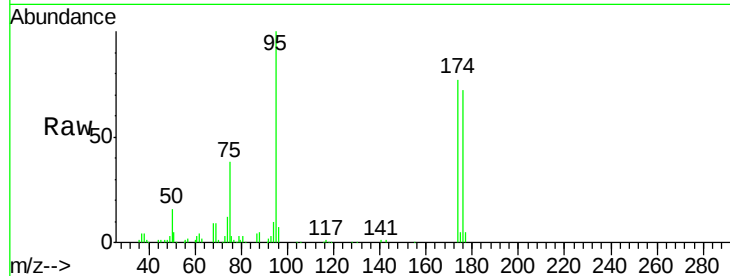




#76
 1,2,3-Trichloropropane
 Concen: 26.997 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061400.D
 Acq: 28 Mar 2019 19:32

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-19RE

Tot Ion: 75 Resp: 62964
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.338 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD061400.D
 Acq: 28 Mar 2019 19:32

Tgt Ion: 75 Resp: 78461
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

