

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061377.D
 Acq On : 28 Mar 2019 4:33
 Operator : VA/AP
 Sample : K2097-05
 Misc : 3.91a/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-17

Quant Time: Mar 28 05:44:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

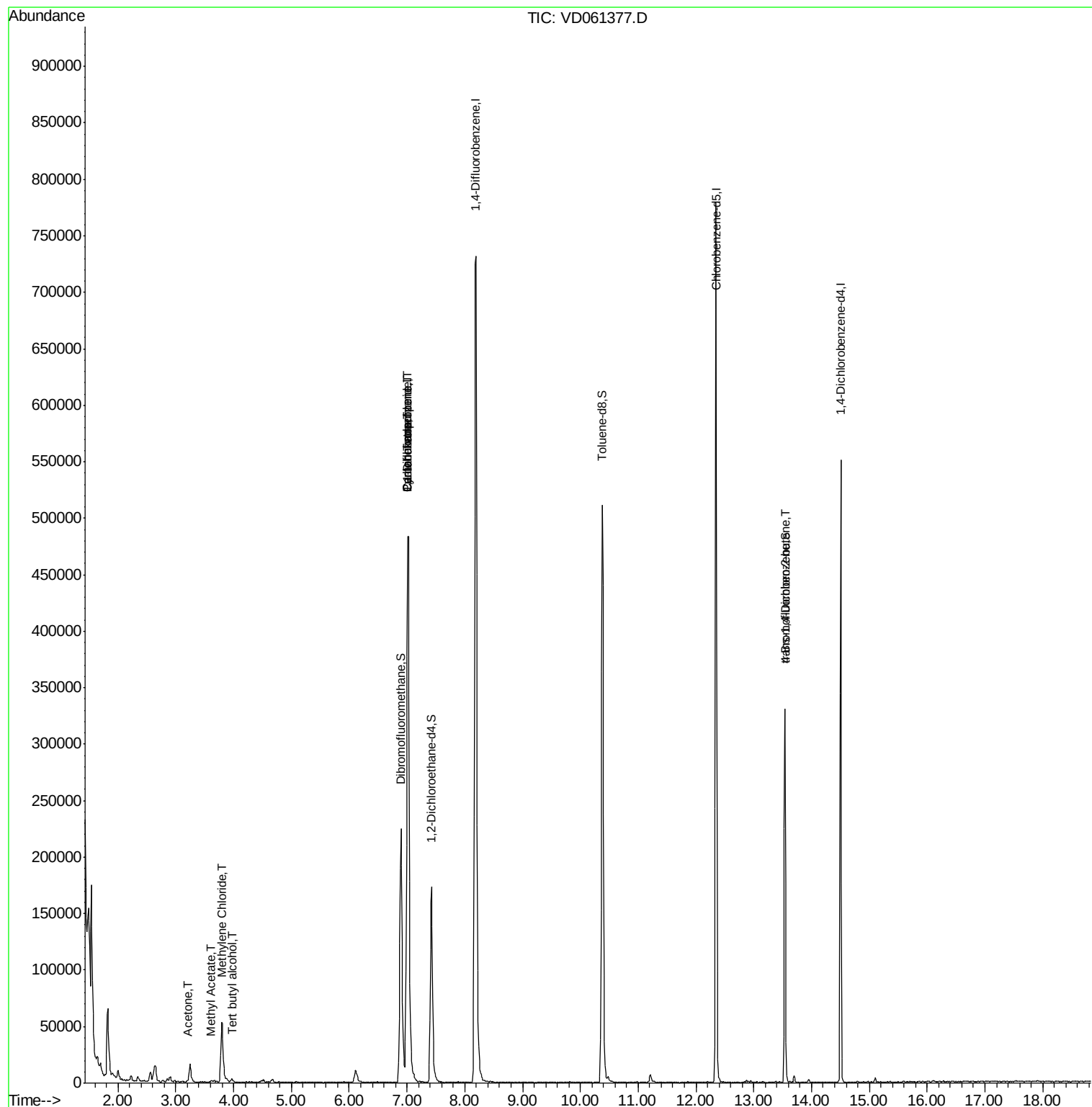
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	527308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	922450	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	505658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	122275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	175055	38.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.72%	
35) Dibromofluoromethane	6.89	113	220356	31.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.52%	
50) Toluene-d8	10.38	98	445983	26.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.76%	
62) 4-Bromofluorobenzene	13.54	95	105096	16.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	32.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.97	59	2054	7.322	ug/l #	76
16) Acetone	3.20	43	1251	1.080	ug/l #	48
18) Methyl Acetate	3.62	43	3257	1.338	ug/l #	55
20) Methylene Chloride	3.80	84	43450	4.969	ug/l	96
31) Cyclohexane	7.02	56	8211	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	36307	4.510	ug/l #	45
38) Carbon Tetrachloride	7.01	117	49118	5.358	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	37977	70.518	ug/l #	18

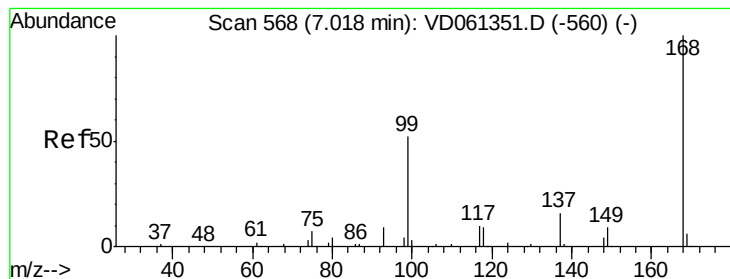
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032719\
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Instrument :
MSVOA_D
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CS-17

Quant Time: Mar 28 05:44:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

Instrument :

MSVOA_D

ClientSampled :

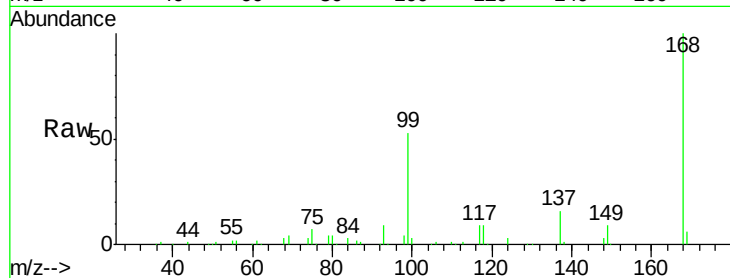
CS-17

Tot Ion:168 Resp: 527308

Ion Ratio Lower Upper

168 100

99 53.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

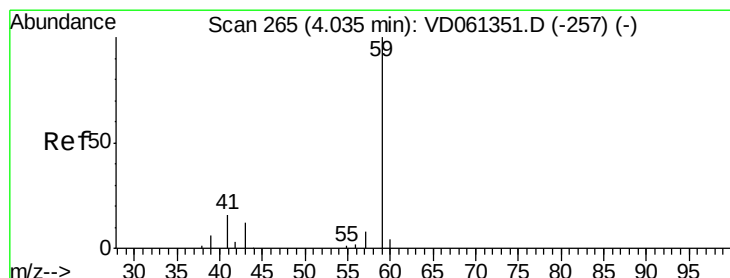
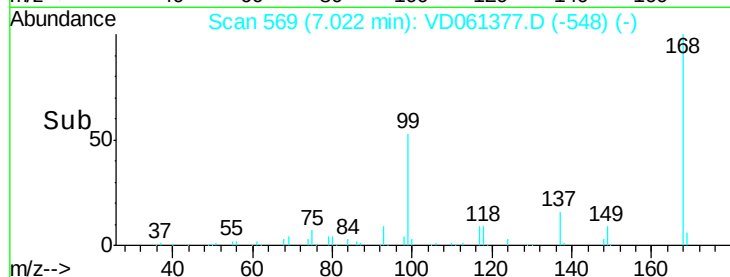
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 7.322 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.06 min

Lab File: VD061377.D

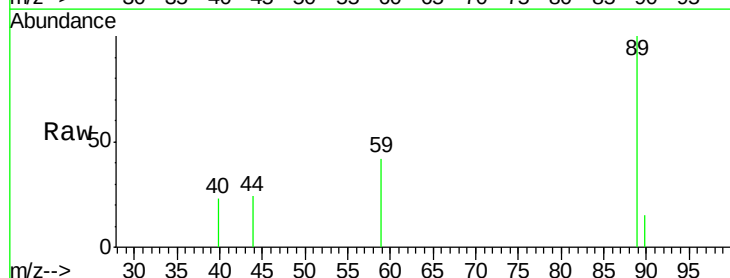
Acq: 28 Mar 2019 4:33

Tgt Ion: 59 Resp: 2054

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.97

1000

800

600

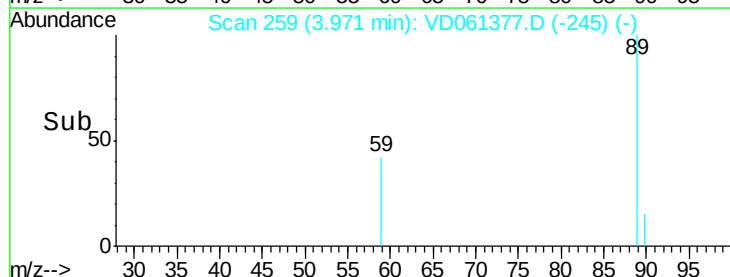
400

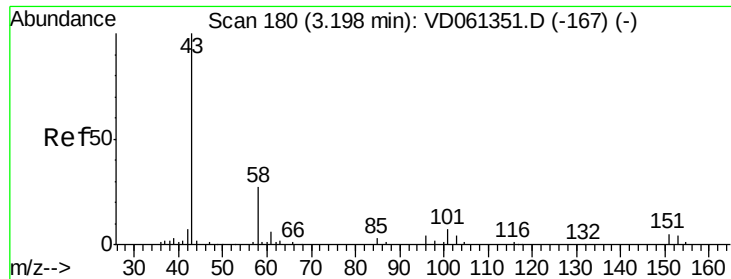
200

0

3.90 3.95 4.00 4.05

Time-->





#16

Acetone

Concen: 1.080 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

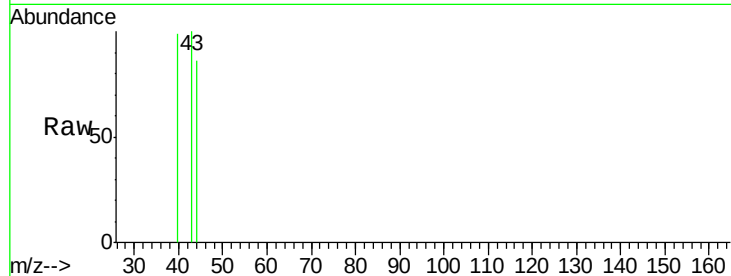
CS-17

Tot Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

800

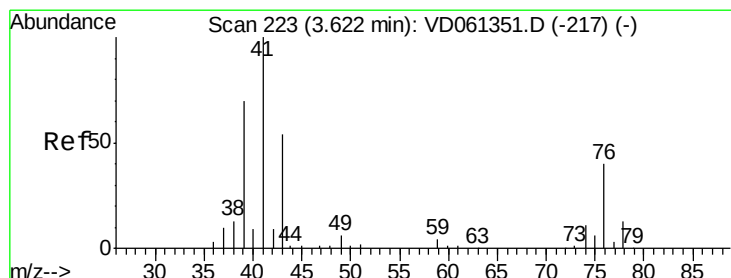
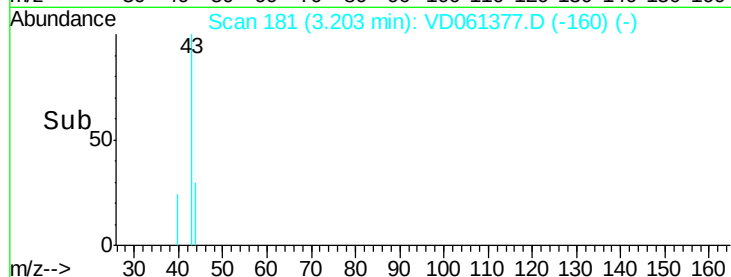
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.338 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061377.D

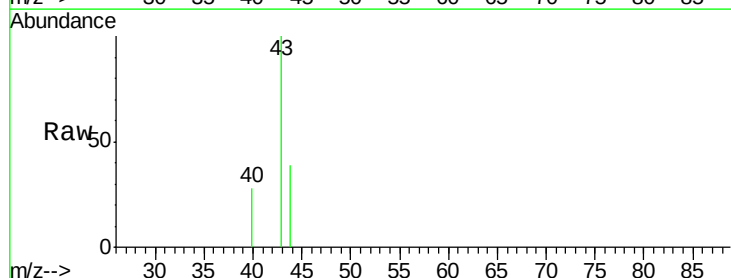
Acq: 28 Mar 2019 4:33

Tgt Ion: 43 Resp: 3257

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

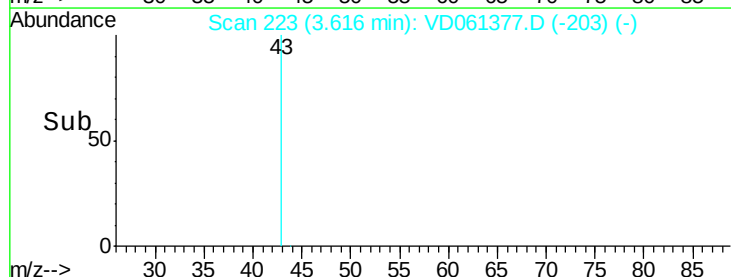
3.62

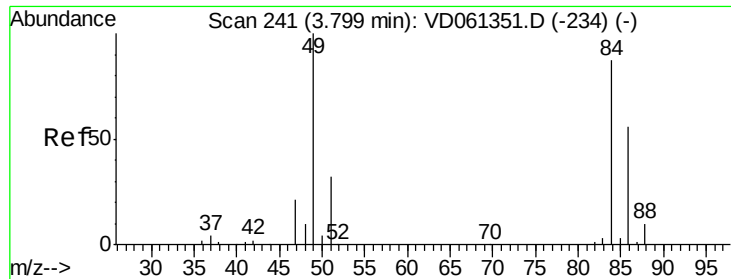
1000

500

0

Time-->

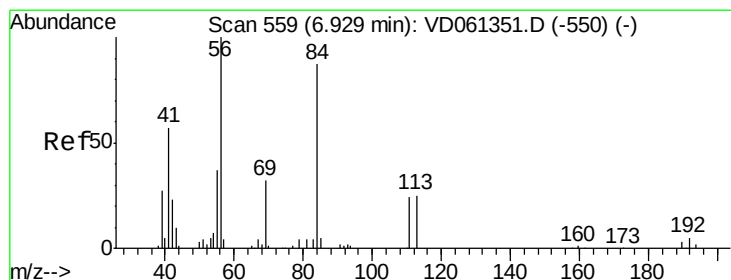
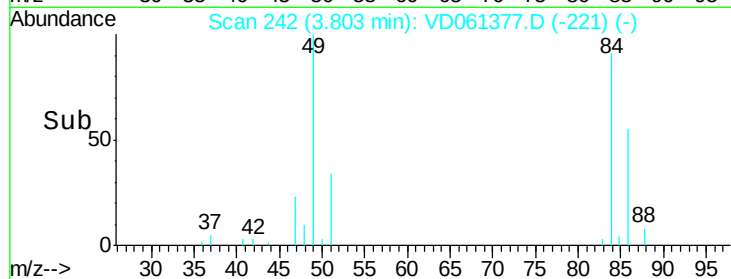
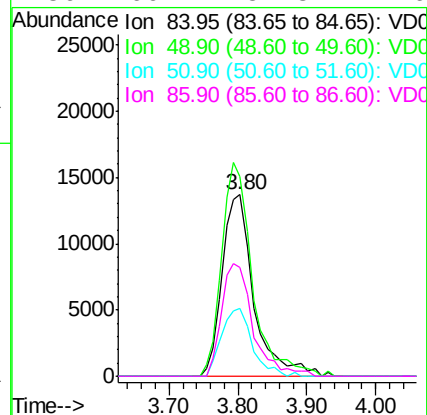
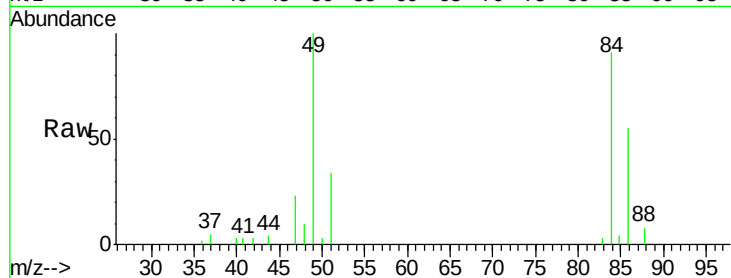




#20
Methylene Chloride
Concen: 4.969 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

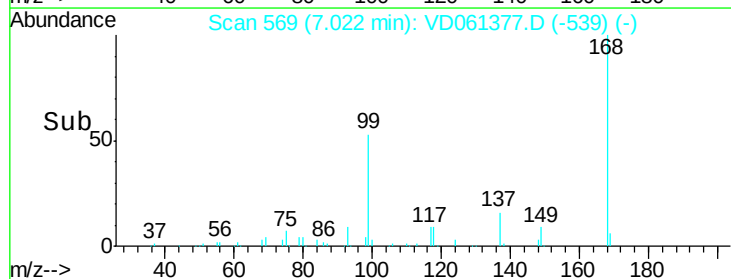
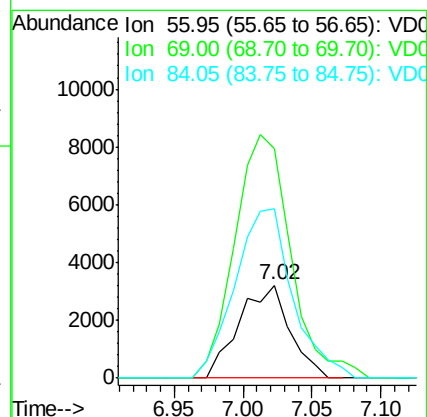
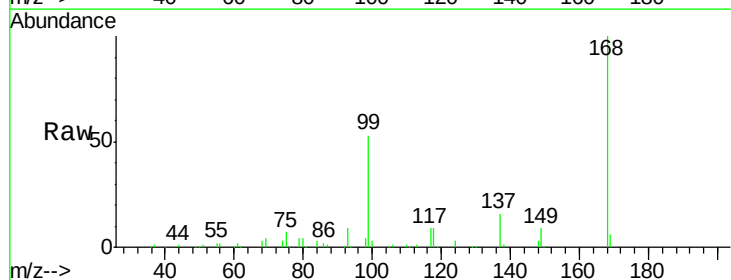
Instrument :
MSVOA_D
ClientSampled :
CS-17

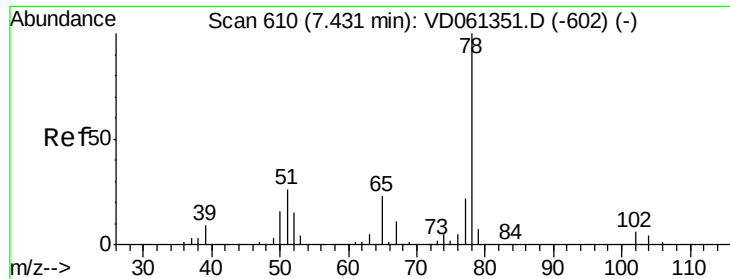
Tot Ion:	84	Resp:	43450
Ion	Ratio	Lower	Upper
84	100		
49	110.0	91.8	137.8
51	37.6	29.8	44.8
86	60.2	51.8	77.6



#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

Tgt Ion:	56	Resp:	8211
Ion	Ratio	Lower	Upper
56	100		
69	247.7	25.7	38.5#
84	183.5	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

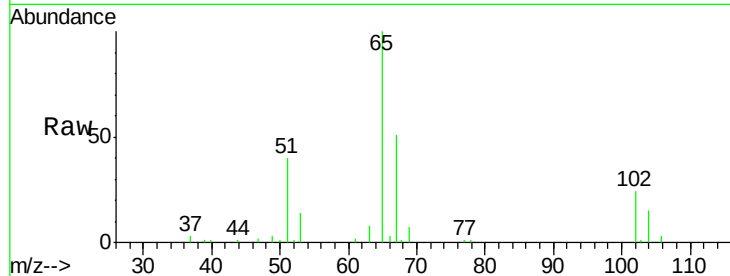
CS-17

Tot Ion: 65 Resp: 175055

Ion Ratio Lower Upper

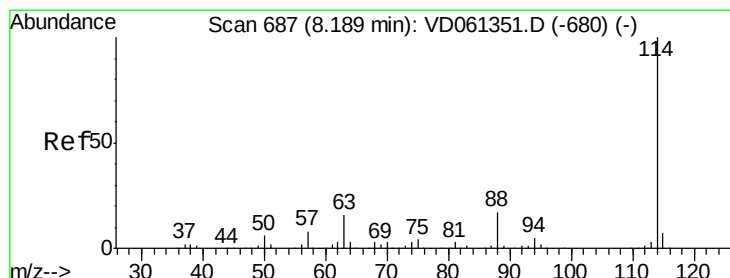
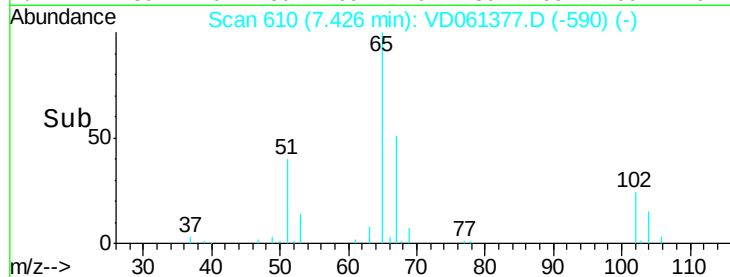
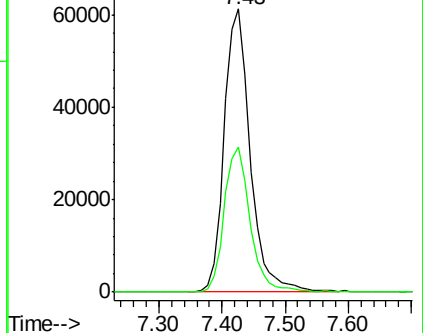
65 100

67 51.5 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: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

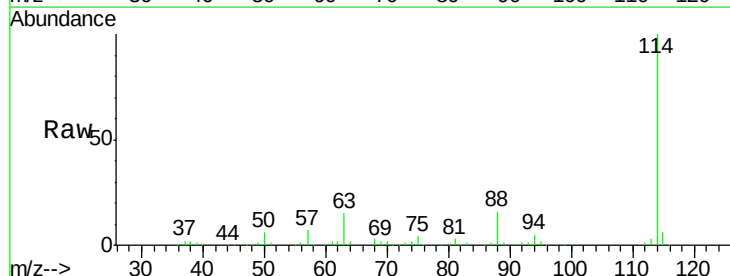
Tgt Ion: 114 Resp: 922450

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.6

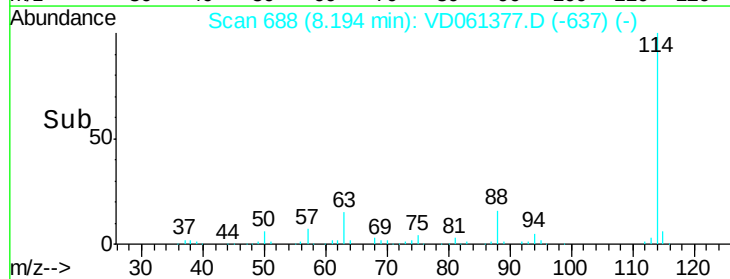
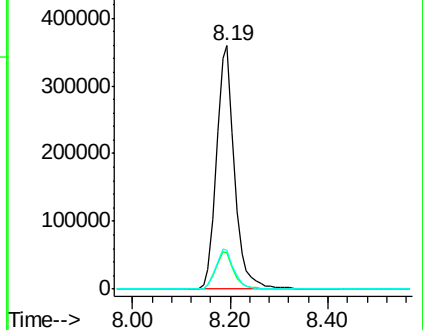
88 15.9 0.0 33.4

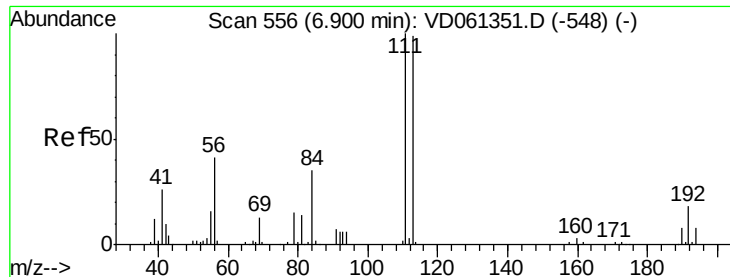


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

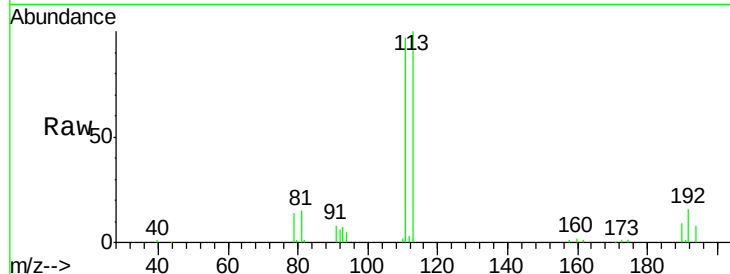




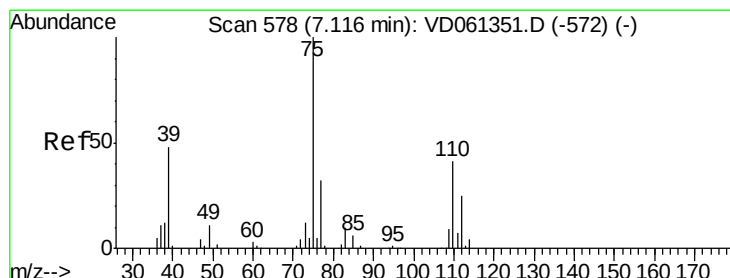
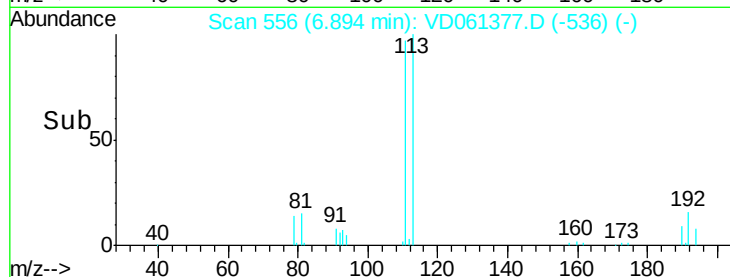
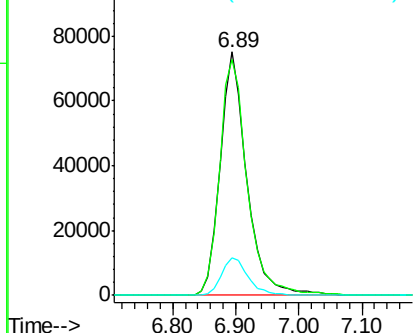
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.89 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

Instrument :
MSVOA_D
ClientSampleId :
CS-17

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.7	81.0	121.6
192	15.6	14.4	21.6

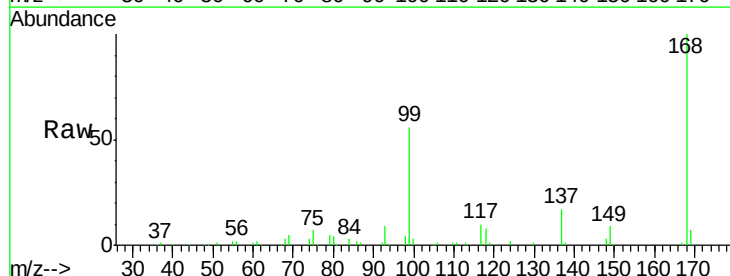


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

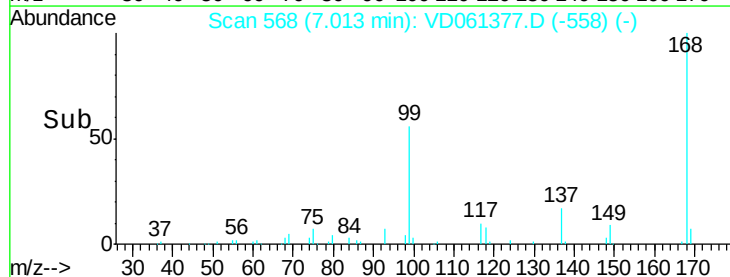
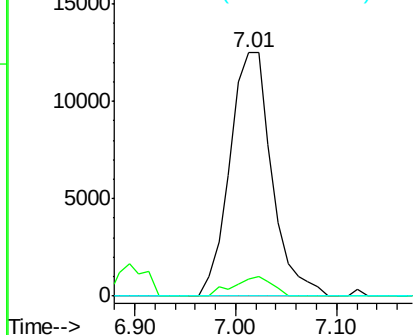


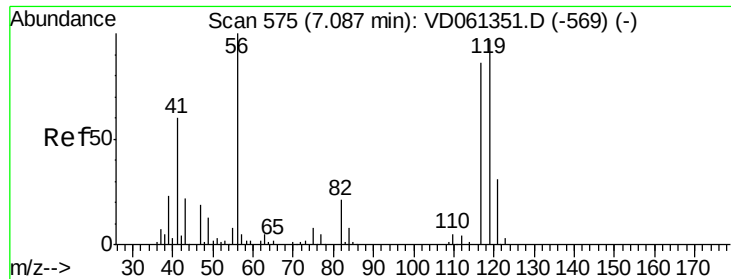
#36
1,1-Dichloropropene
Concen: 4.510 ug/l
RT: 7.01 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	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: 5.358 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

CS-17

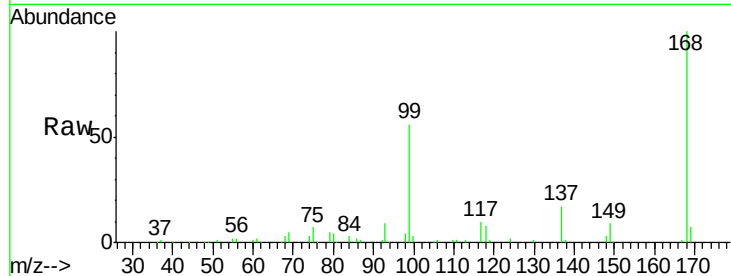
Tot Ion:117 Resp: 49118

Ion Ratio Lower Upper

117 100

119 6.2 80.1 120.1#

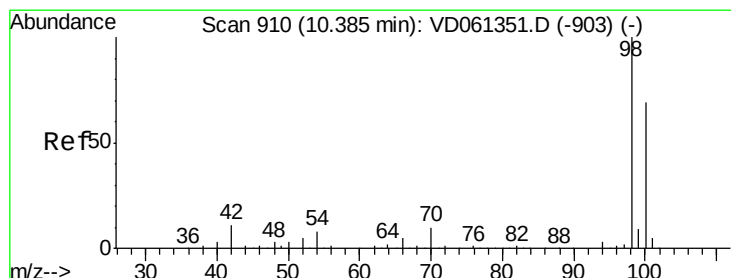
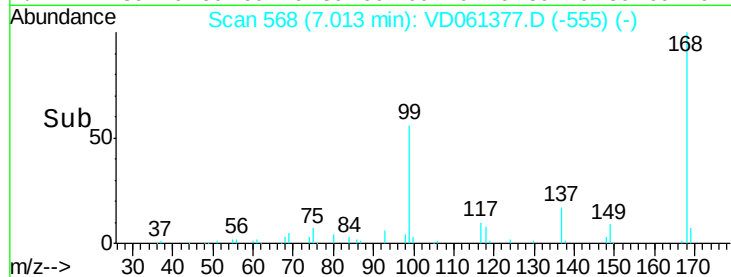
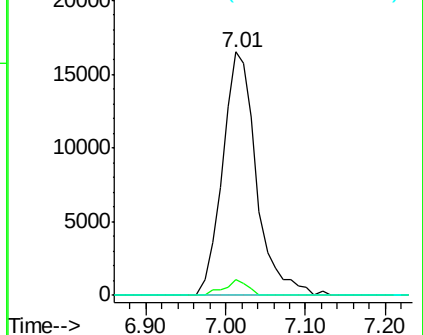
121 0.0 25.6 38.4#



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: 10.38 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD061377.D

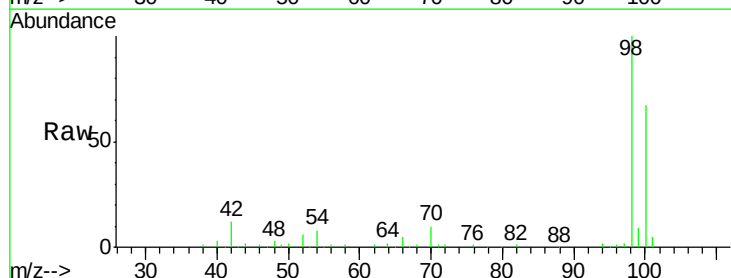
Acq: 28 Mar 2019 4:33

Tgt Ion: 98 Resp: 445983

Ion Ratio Lower Upper

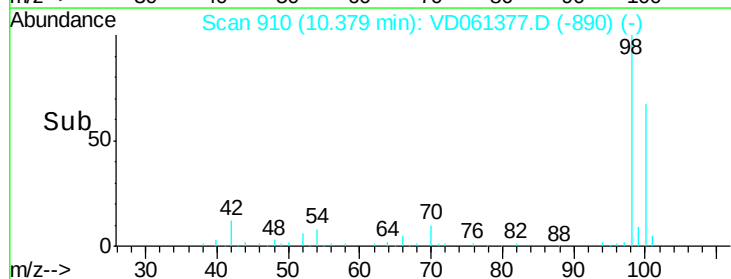
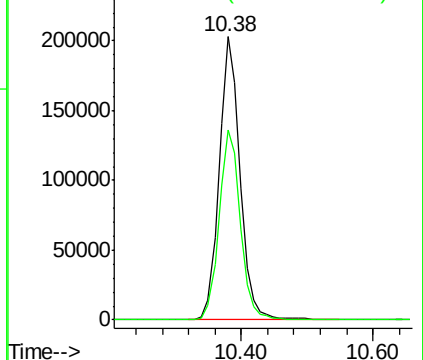
98 100

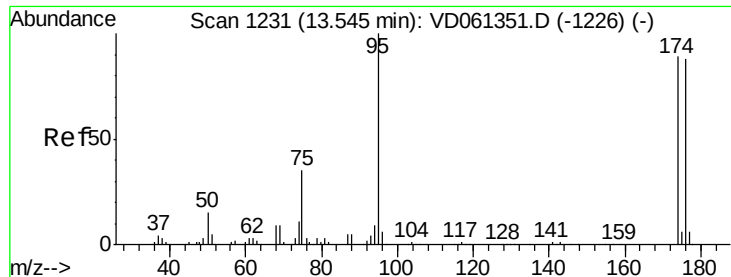
100 66.9 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

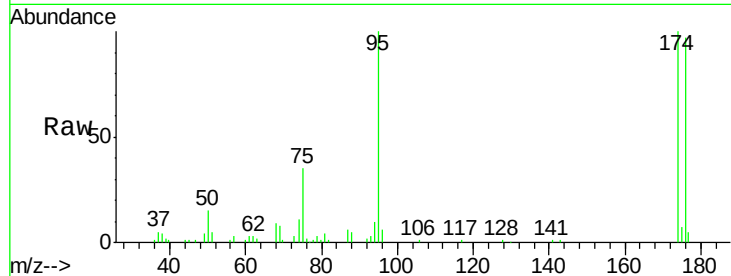




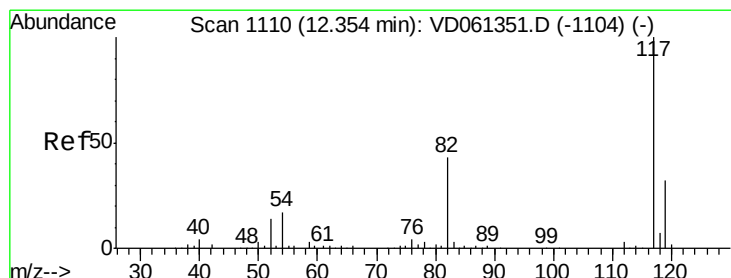
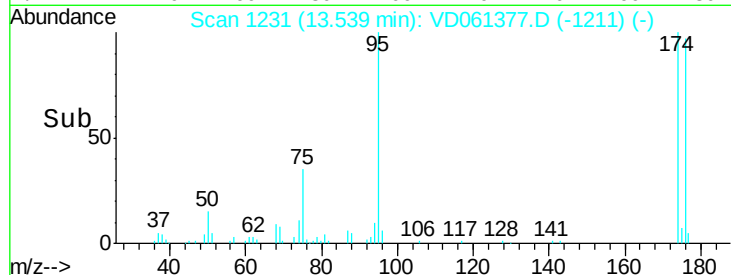
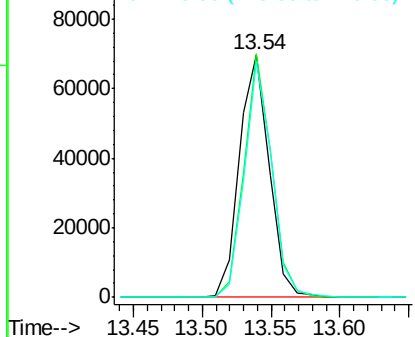
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

Instrument :
MSVOA_D
ClientSampleId :
CS-17

Tot Ion: 95 Resp: 105096
Ion Ratio Lower Upper
95 100
174 100.3 0.0 178.0
176 97.0 0.0 175.0

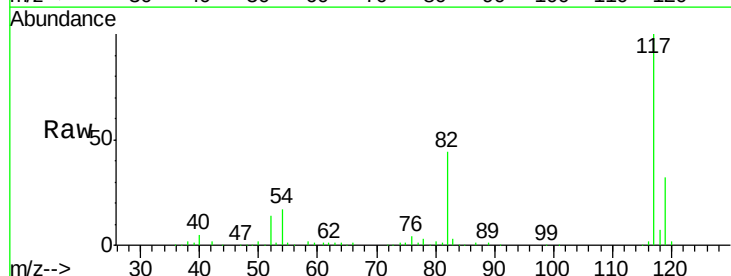


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

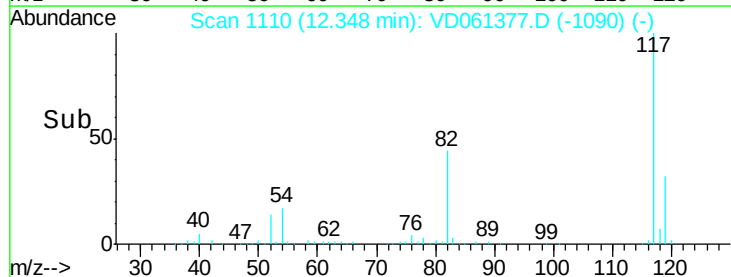
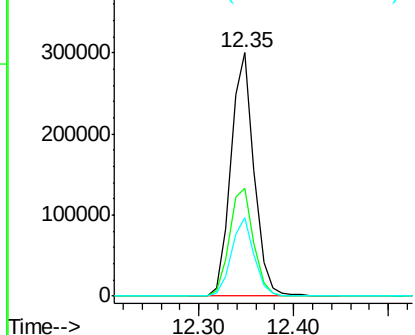


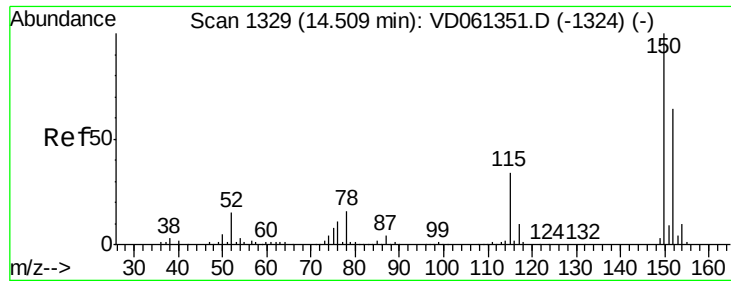
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061377.D
Acq: 28 Mar 2019 4:33

Tgt Ion: 117 Resp: 505658
Ion Ratio Lower Upper
117 100
82 44.1 34.4 51.6
119 32.4 25.8 38.6



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: 14.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

Instrument :

MSVOA_D

ClientSampleId :

CS-17

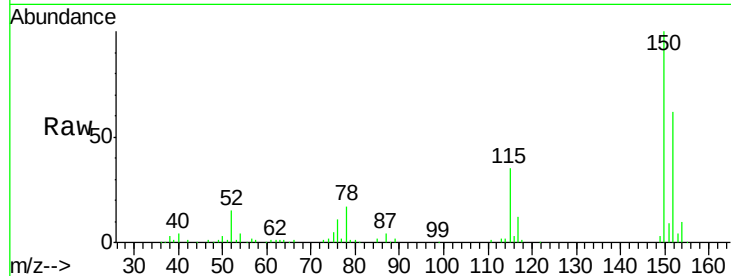
Tot Ion:152 Resp: 122275

Ion Ratio Lower Upper

152 100

115 56.5 26.9 80.6

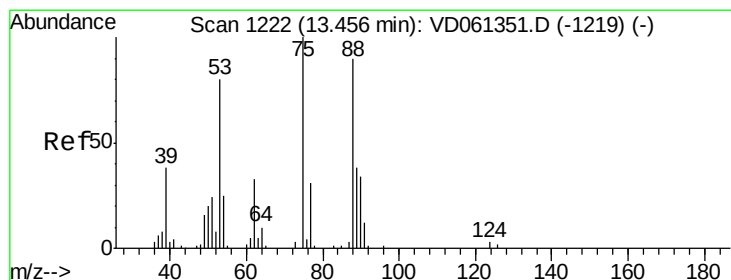
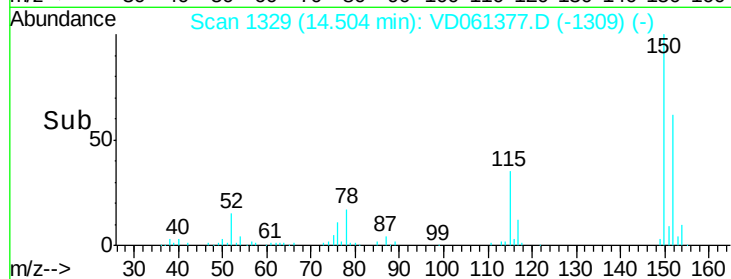
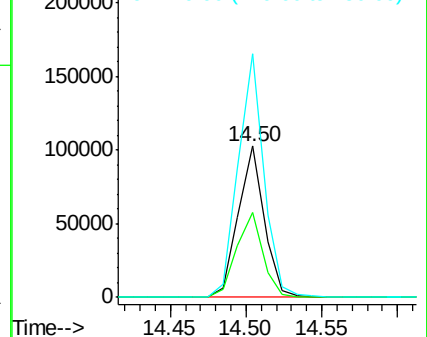
150 161.2 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 70.518 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061377.D

Acq: 28 Mar 2019 4:33

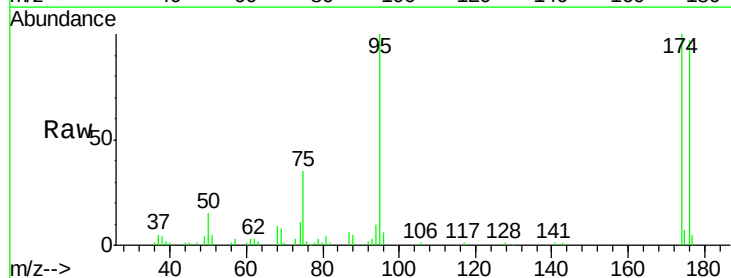
Tgt Ion: 75 Resp: 37977

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

