

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
 Data File : VD061843.D
 Acq On : 17 Apr 2019 8:50
 Operator : VA/AP
 Sample : K2423-17
 Misc : 4.60g/5ml/MSVOA_D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP5-A

Quant Time: Apr 17 12:28:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	332970	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	550599	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	482100	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.52	152	210616	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	160572	57.54	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	115.08%	
35) Dibromofluoromethane	6.92	113	205988	49.52	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.40	98	412017	41.80	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	83.60%	
62) 4-Bromofluorobenzene	13.55	95	177703	44.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.96%	

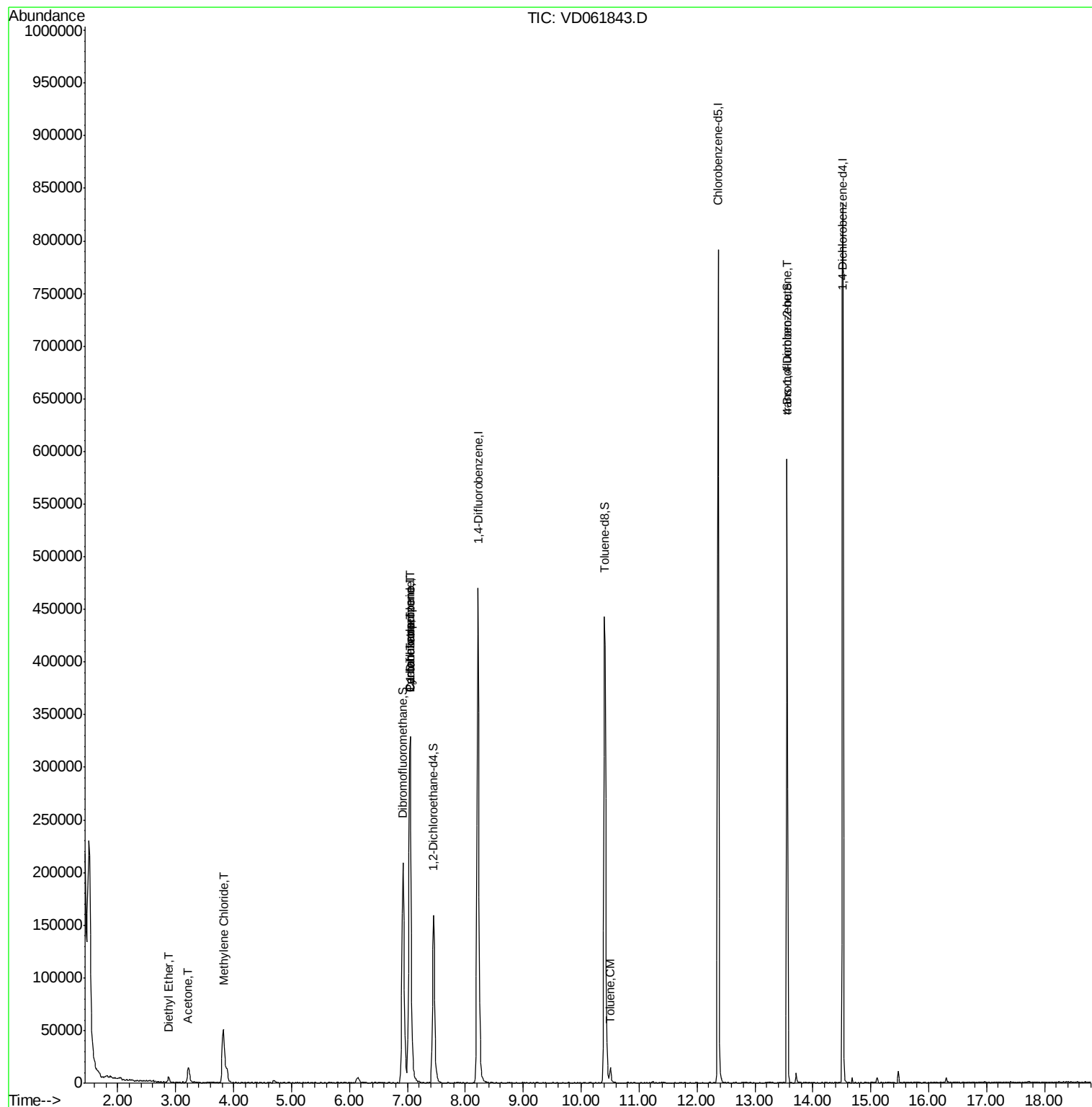
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	371	Below Cal	#	12
8) Diethyl Ether	2.87	74	1988	1.820	ug/l	66
16) Acetone	3.22	43	29059	42.250	ug/l	97
20) Methylene Chloride	3.83	84	42670	8.692	ug/l	92
31) Cyclohexane	7.04	56	5405	1.279	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	23971	5.328	ug/l #	45
38) Carbon Tetrachloride	7.05	117	31759	5.590	ug/l #	16
52) Toluene	10.50	92	7226	1.044	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.55	75	68184	74.324	ug/l #	16

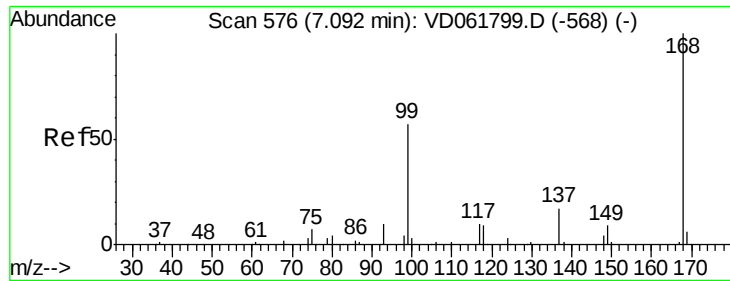
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

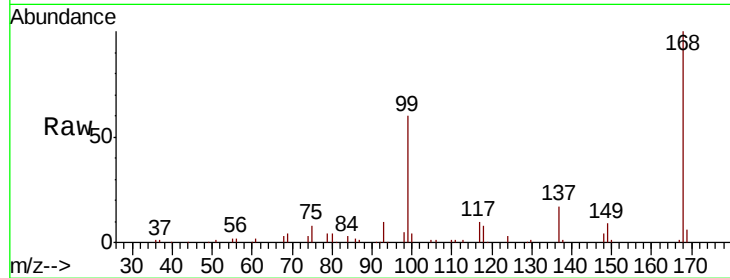
TP5-A

Tgt Ion:168 Resp: 332970

Ion Ratio Lower Upper

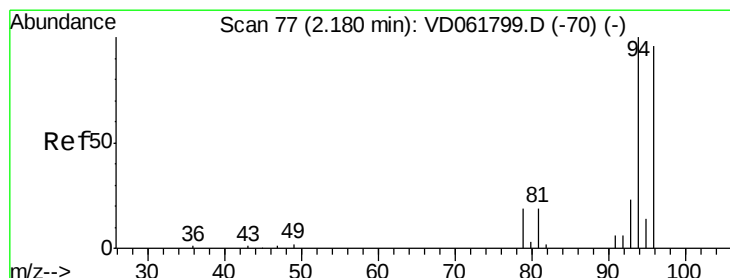
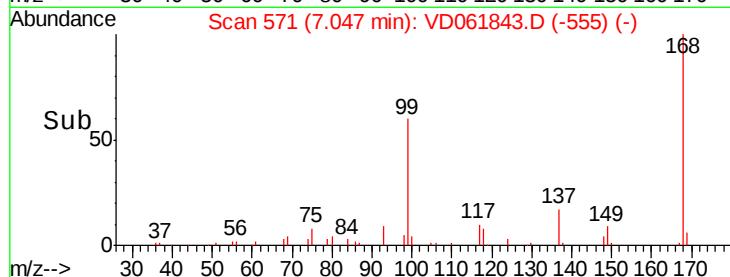
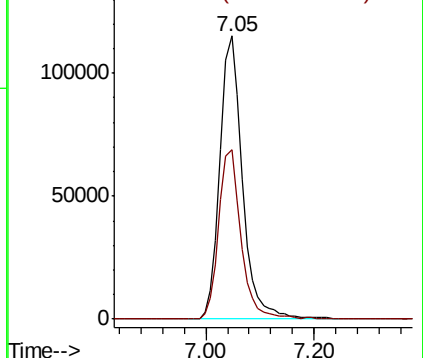
168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

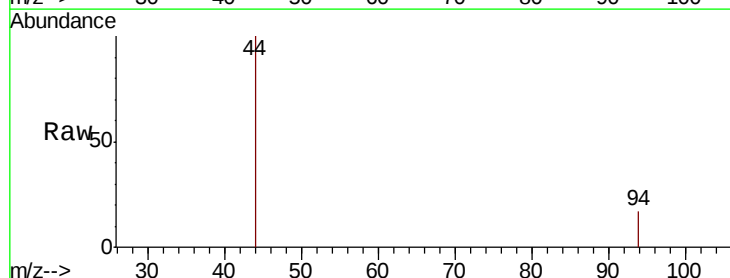
Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

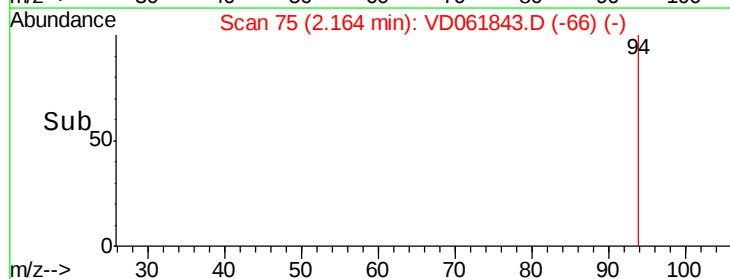
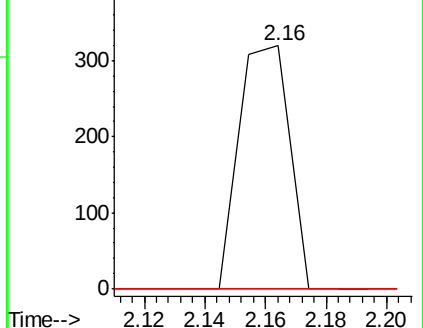
93 0.0 18.5 27.7#

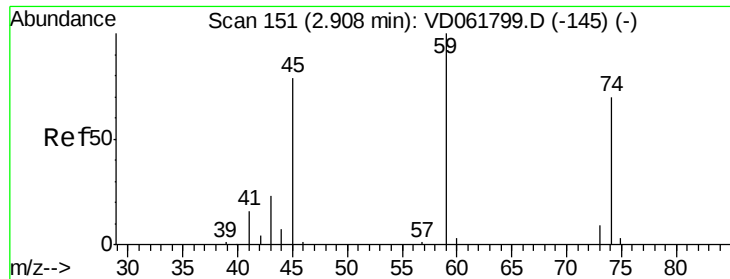


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.820 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.04 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

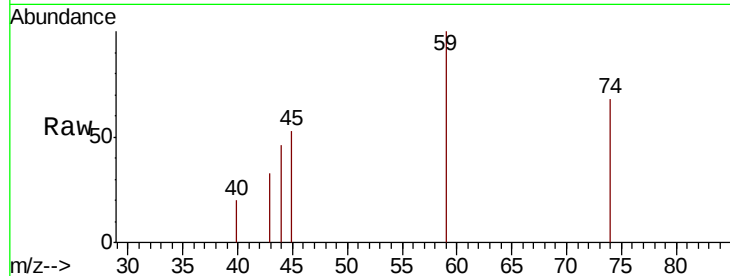
TP5-A

Tgt Ion: 74 Resp: 1988

Ion Ratio Lower Upper

74 100

45 77.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.87

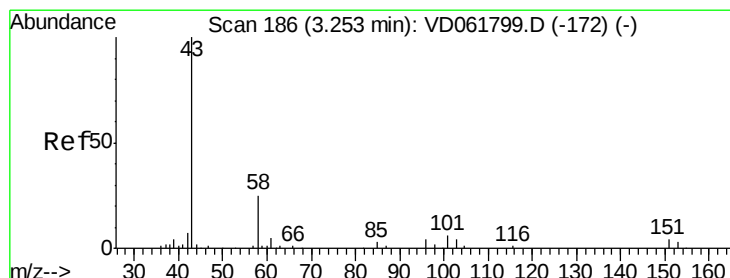
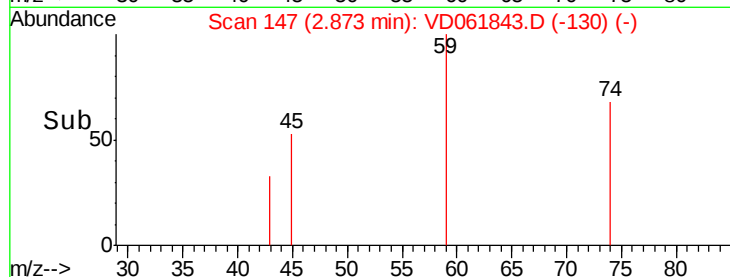
1500

1000

500

0

Time-->



#16

Acetone

Concen: 42.250 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.04 min

Lab File: VD061843.D

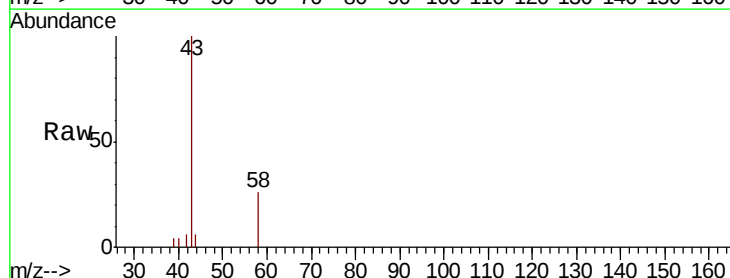
Acq: 17 Apr 2019 8:50

Tgt Ion: 43 Resp: 29059

Ion Ratio Lower Upper

43 100

58 26.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

10000

8000

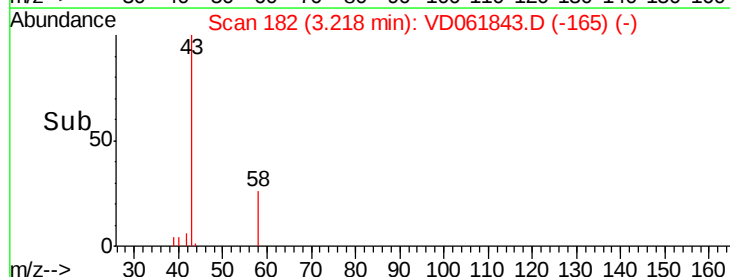
6000

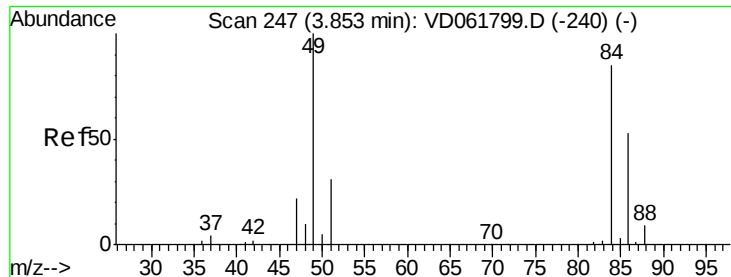
4000

2000

0

Time-->

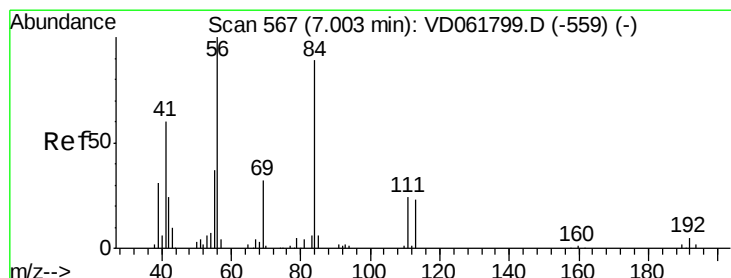
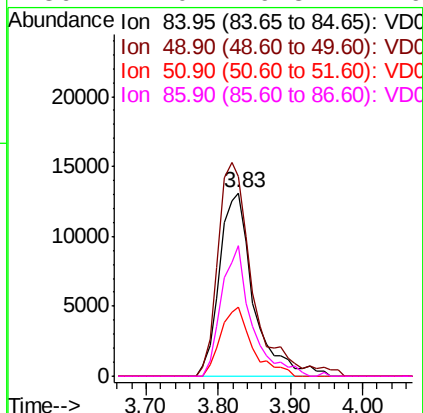
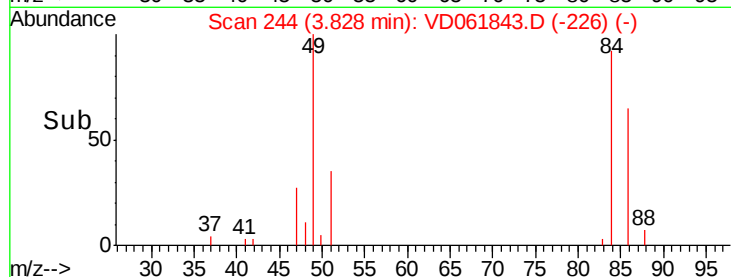
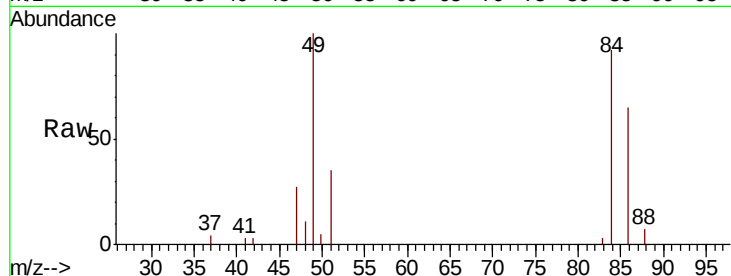




#20
Methylene Chloride
Concen: 8.692 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061843.D
Acq: 17 Apr 2019 8:50

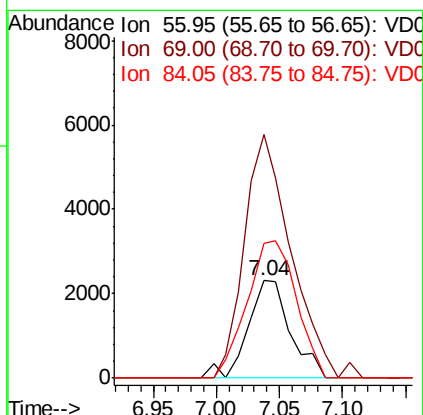
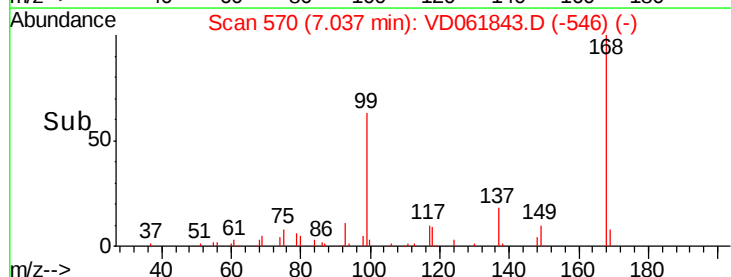
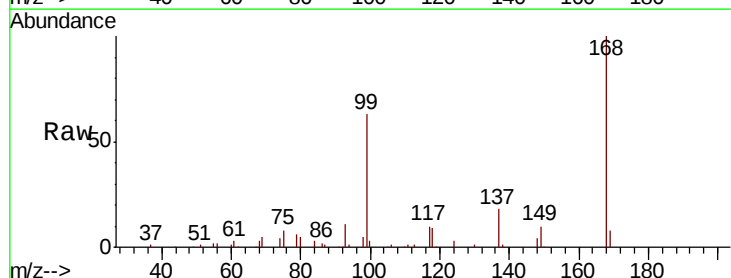
Instrument :
MSVOA_D
ClientSampleId :
TP5-A

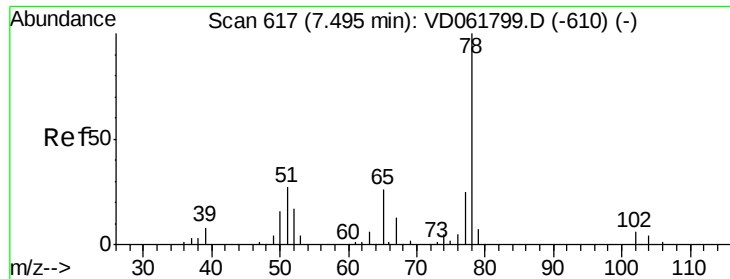
Tgt Ion:	84	Resp:	42670
Ion	Ratio	Lower	Upper
84	100		
49	109.0	94.0	141.0
51	37.9	29.0	43.4
86	71.0	49.8	74.6



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.03 min
Lab File: VD061843.D
Acq: 17 Apr 2019 8:50

Tgt Ion:	56	Resp:	5405
Ion	Ratio	Lower	Upper
56	100		
69	250.8	25.8	38.6#
84	138.5	72.2	108.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.04 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

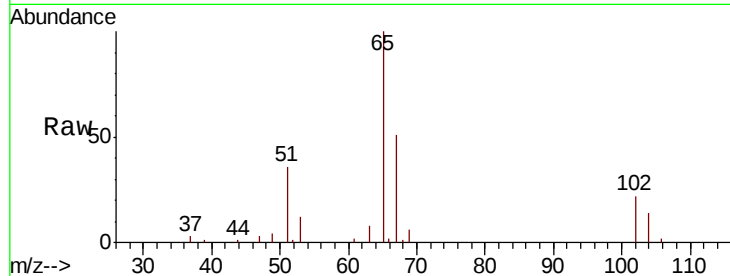
TP5-A

Tgt Ion: 65 Resp: 160572

Ion Ratio Lower Upper

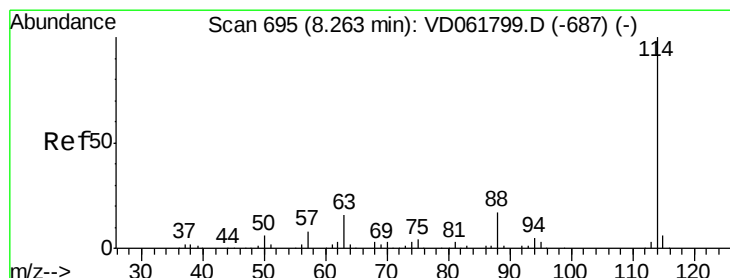
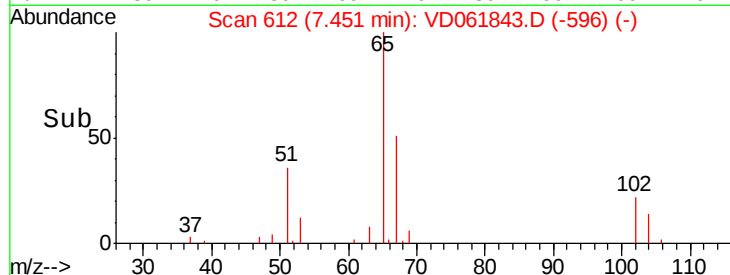
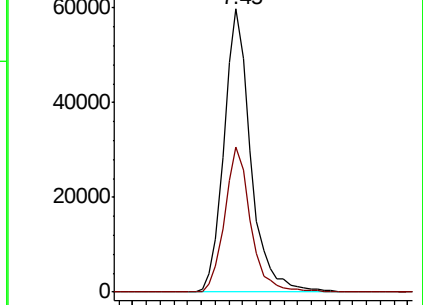
65 100

67 51.3 0.0 98.0



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: 8.22 min Scan# 690

Delta R.T. -0.04 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

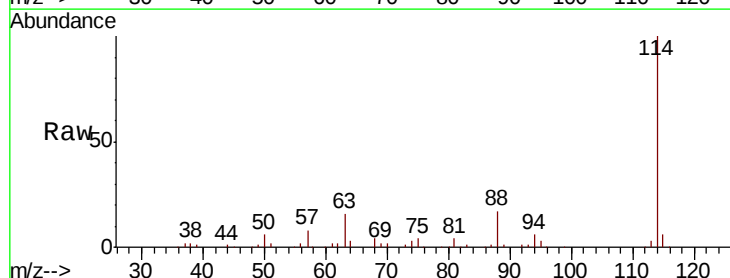
Tgt Ion: 114 Resp: 550599

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

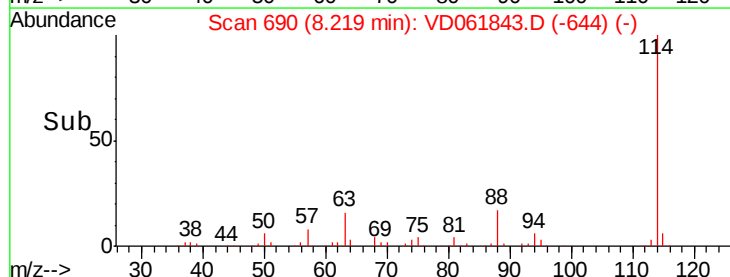
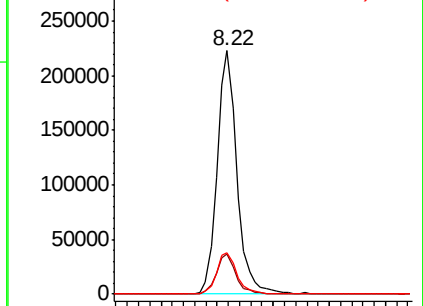
88 16.8 0.0 33.6

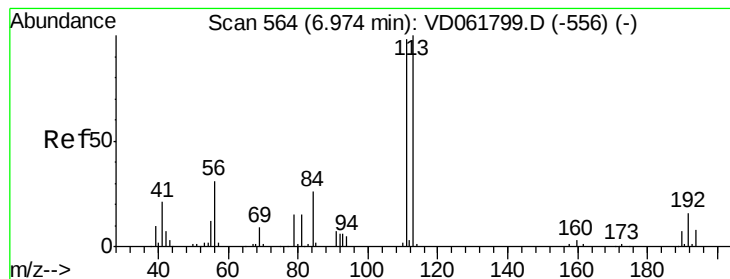


Abundance Ion 114.00 (113.70 to 114.70): V

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# 558

Delta R.T. -0.05 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

TP5-A

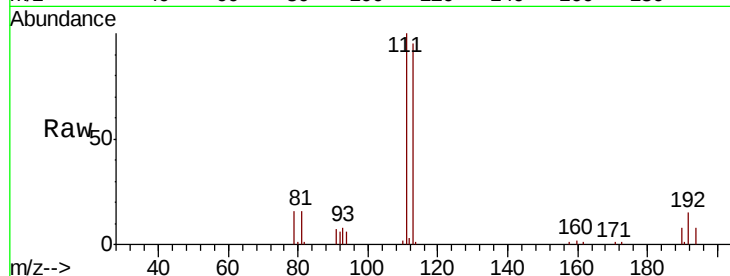
Tgt Ion: 113 Resp: 205988

Ion Ratio Lower Upper

113 100

111 105.3 78.5 117.7

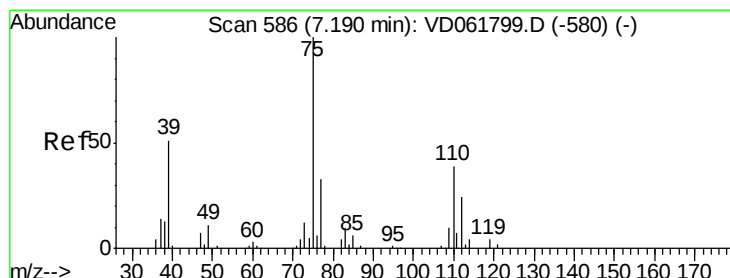
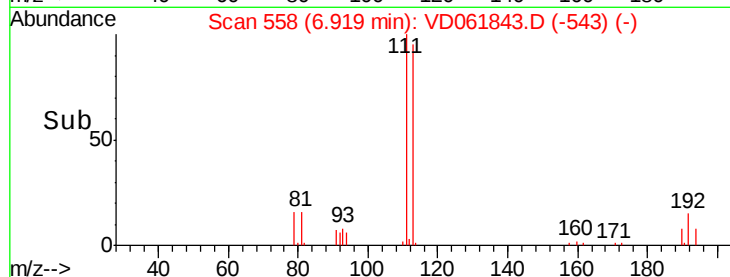
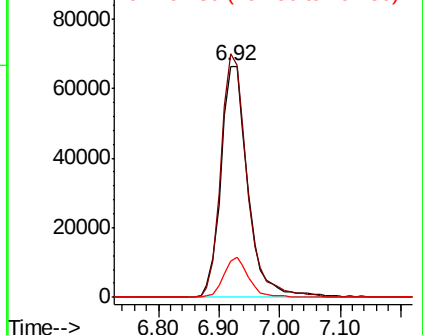
192 15.7 13.0 19.4



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: 5.328 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.14 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

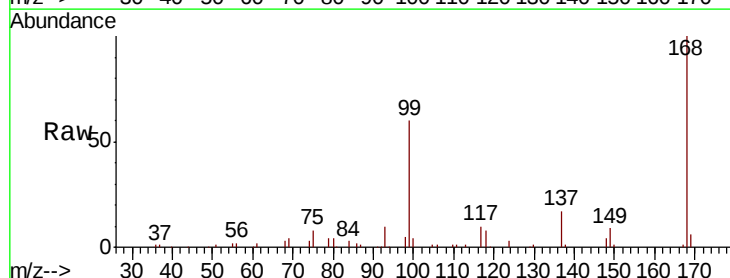
Tgt Ion: 75 Resp: 23971

Ion Ratio Lower Upper

75 100

110 6.5 19.1 57.1#

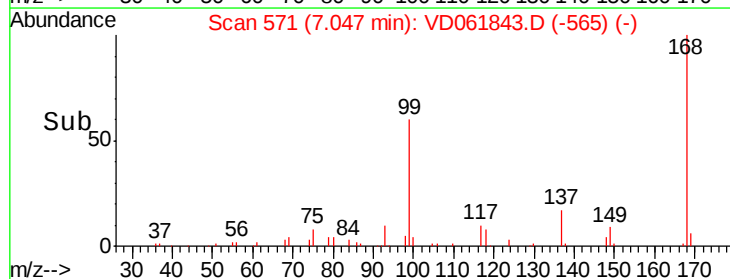
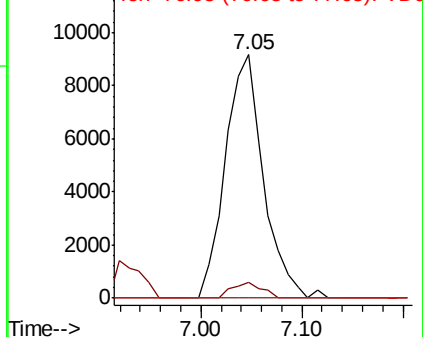
77 0.0 25.6 38.4#

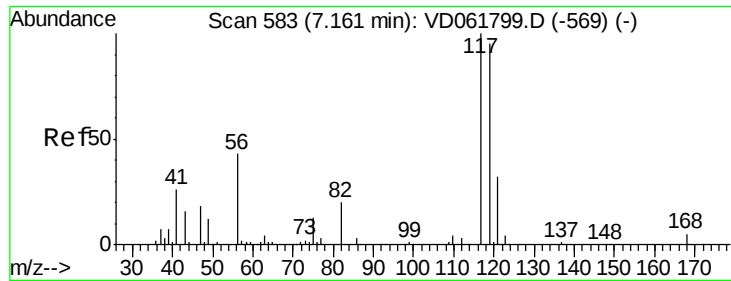


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.590 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

TP5-A

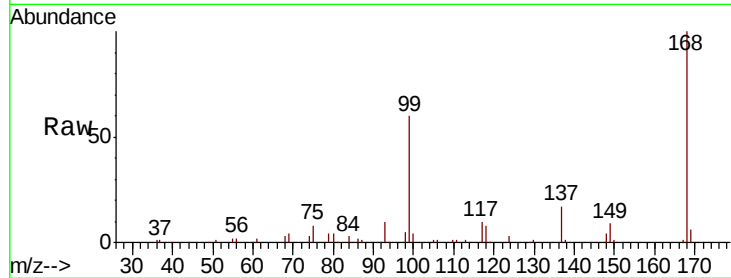
Tgt Ion: 117 Resp: 31759

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

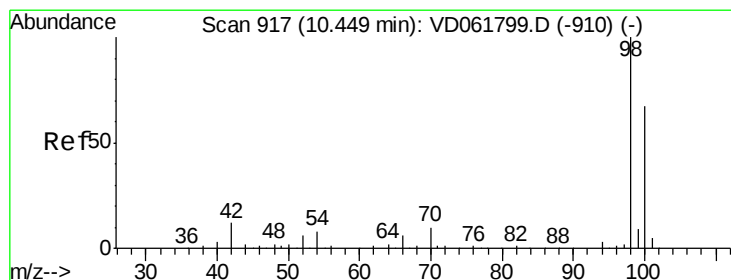
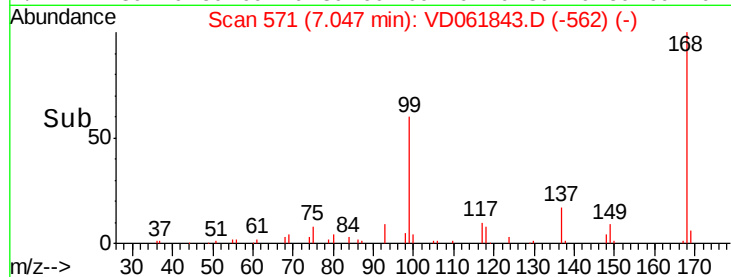
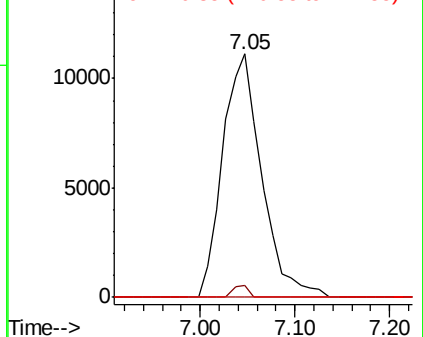
121 0.0 25.9 38.9#



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: 10.40 min Scan# 912

Delta R.T. -0.04 min

Lab File: VD061843.D

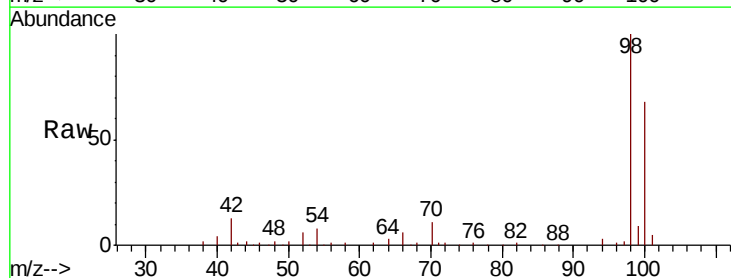
Acq: 17 Apr 2019 8:50

Tgt Ion: 98 Resp: 412017

Ion Ratio Lower Upper

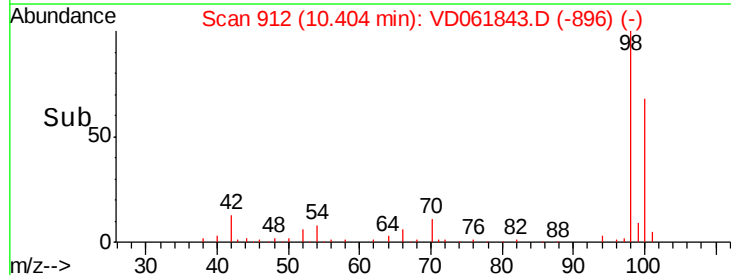
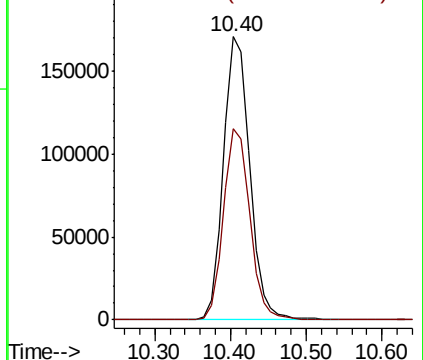
98 100

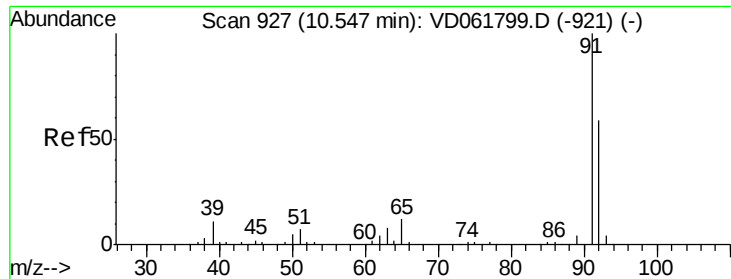
100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.044 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.04 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

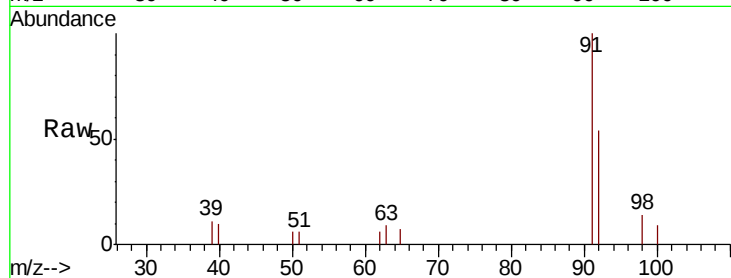
TP5-A

Tgt Ion: 92 Resp: 7226

Ion Ratio Lower Upper

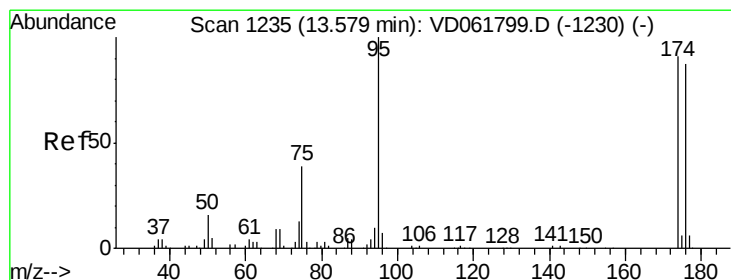
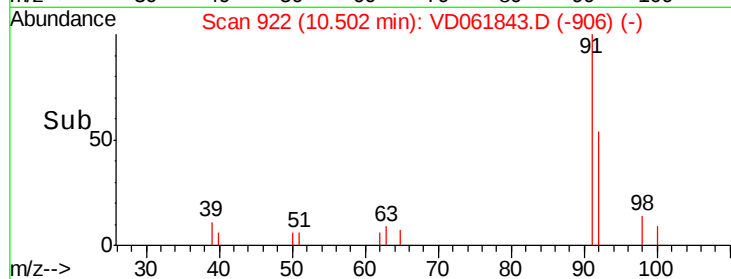
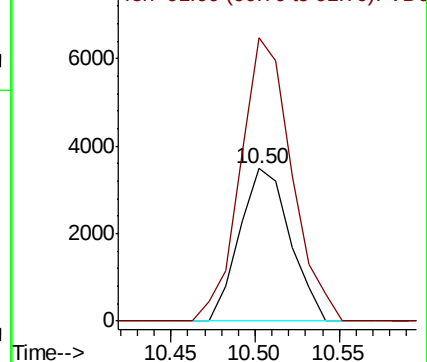
92 100

91 185.3 136.6 204.8



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: 13.55 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

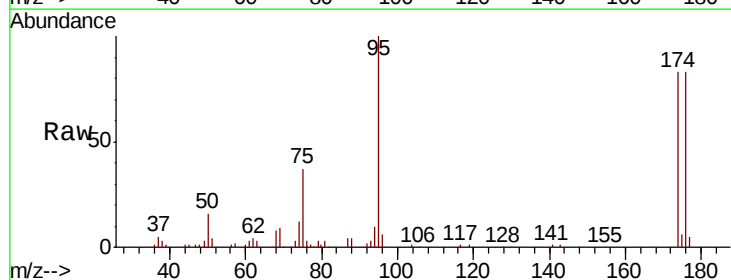
Tgt Ion: 95 Resp: 177703

Ion Ratio Lower Upper

95 100

174 83.1 0.0 181.8

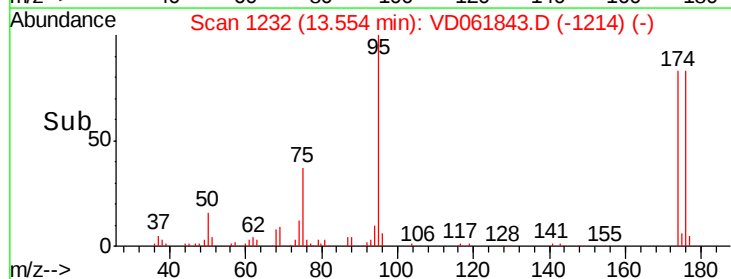
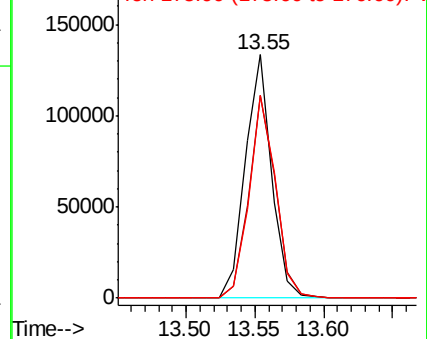
176 83.2 0.0 174.4

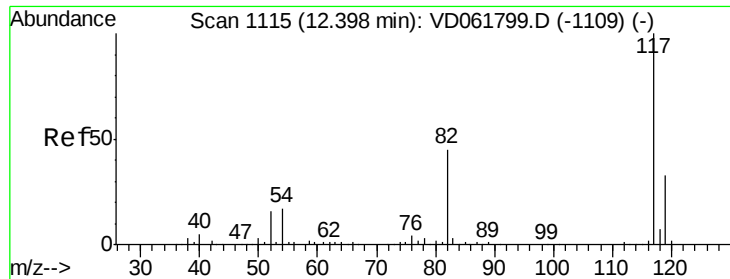


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

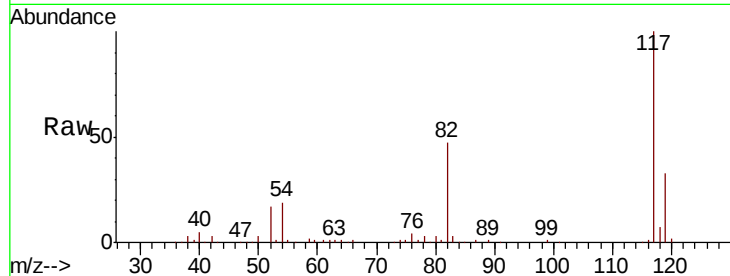




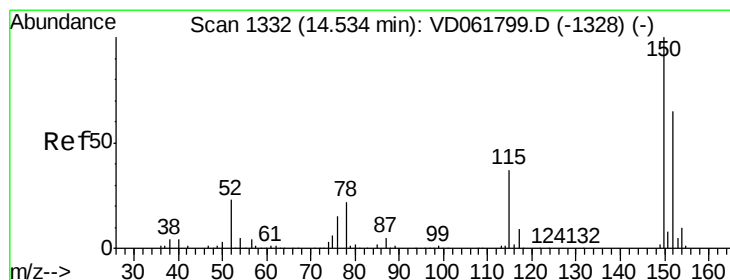
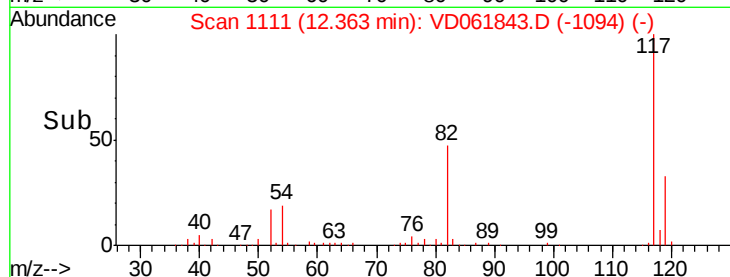
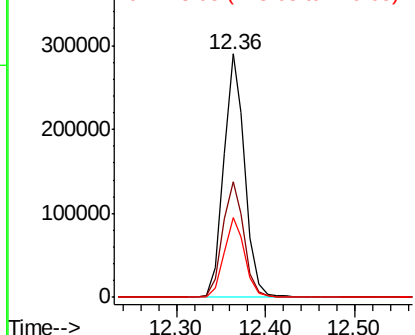
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.04 min
Lab File: VD061843.D
Acq: 17 Apr 2019 8:50

Instrument :
MSVOA_D
ClientSampleId :
TP5-A

Tgt Ion:117 Resp: 482100
Ion Ratio Lower Upper
117 100
82 47.5 36.2 54.2
119 32.8 26.2 39.4

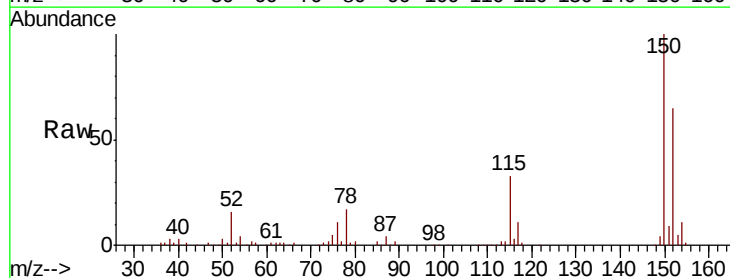


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

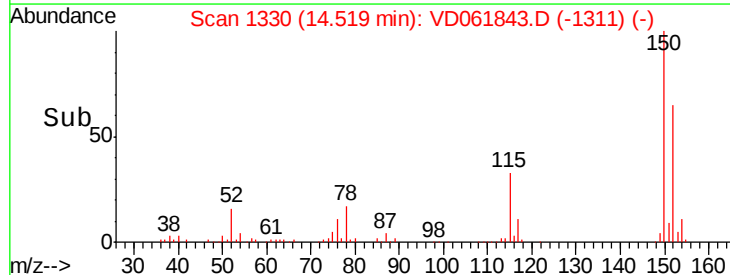
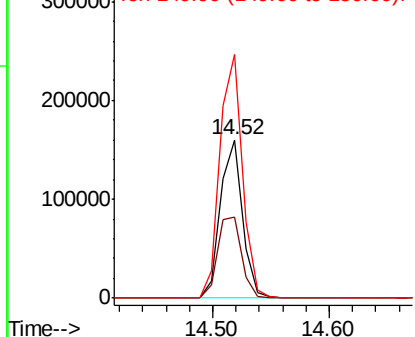


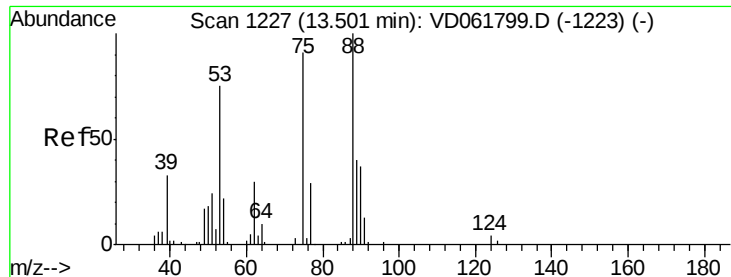
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061843.D
Acq: 17 Apr 2019 8:50

Tgt Ion:152 Resp: 210616
Ion Ratio Lower Upper
152 100
115 50.8 30.9 92.7
150 153.6 0.0 314.8



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: 74.324 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061843.D

Acq: 17 Apr 2019 8:50

Instrument :

MSVOA_D

ClientSampleId :

TP5-A

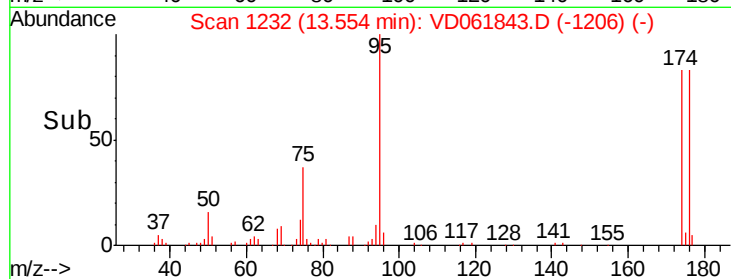
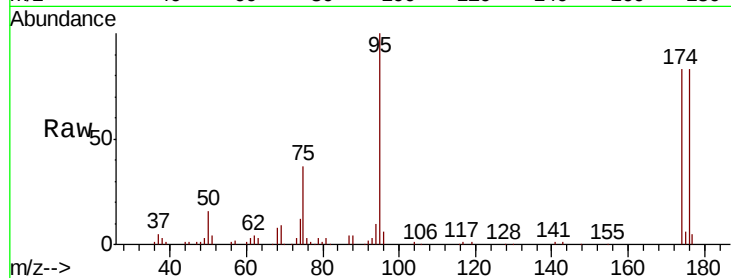
Tgt Ion: 75 Resp: 68184

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

