

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061877.D
 Acq On : 18 Apr 2019 16:35
 Operator : VA/AP
 Sample : K2397-10RE
 Misc : 3.57g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S2RE

Quant Time: Apr 18 17:06:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	392728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	664687	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	471892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	134725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	204316	62.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.14%	
35) Dibromofluoromethane	6.92	113	282346	56.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.44%	
50) Toluene-d8	10.41	98	638563	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	13.56	95	179824	37.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.58%	

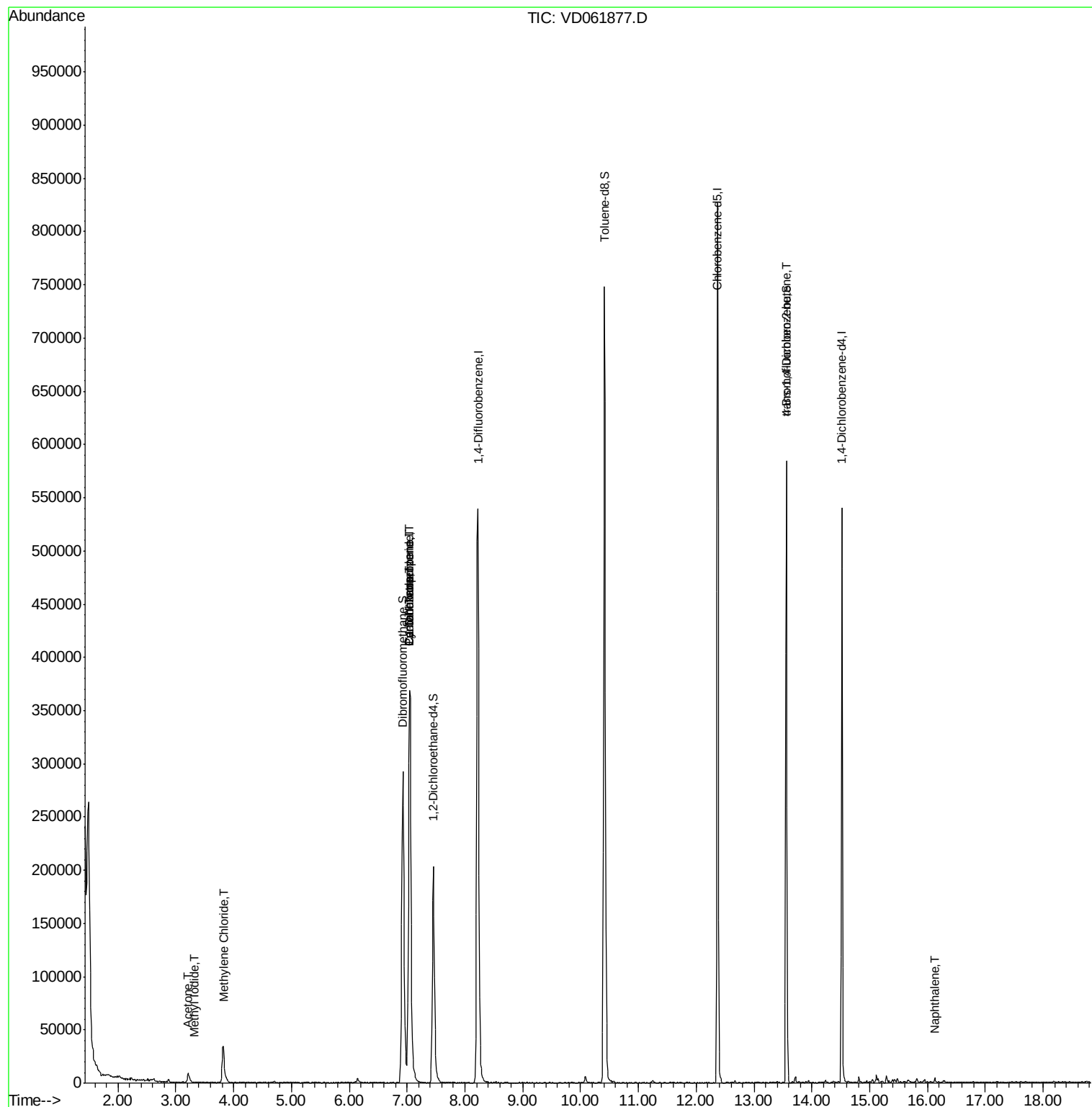
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	681	Below Cal	#	12
10) Methyl Iodide	3.33	142	839	3.626	ug/l #	37
16) Acetone	3.21	43	17545	21.628	ug/l	94
20) Methylene Chloride	3.82	84	24785	1.717	ug/l	93
31) Cyclohexane	7.04	56	7039	1.412	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	30024	5.528	ug/l #	48
38) Carbon Tetrachloride	7.04	117	37976	5.537	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	68998	115.644	ug/l #	16
95) Naphthalene	16.13	128	3625	1.186	ug/l #	93

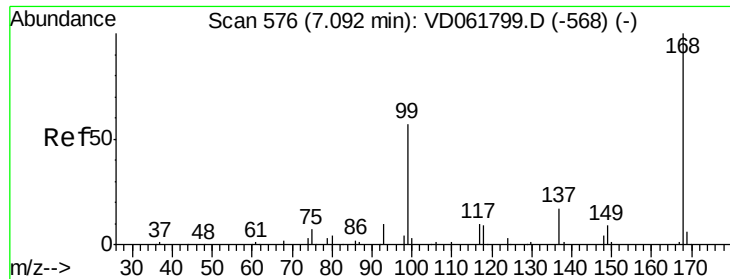
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

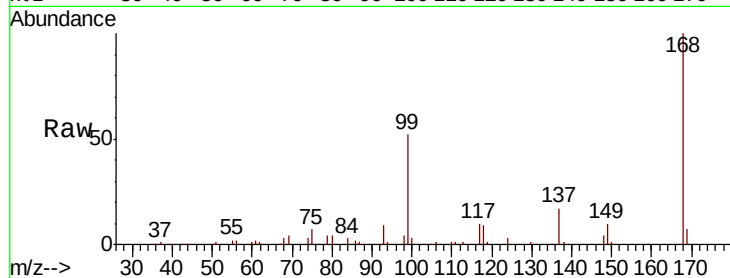
TP-3-S2RE

Tgt Ion:168 Resp: 392728

Ion Ratio Lower Upper

168 100

99 52.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

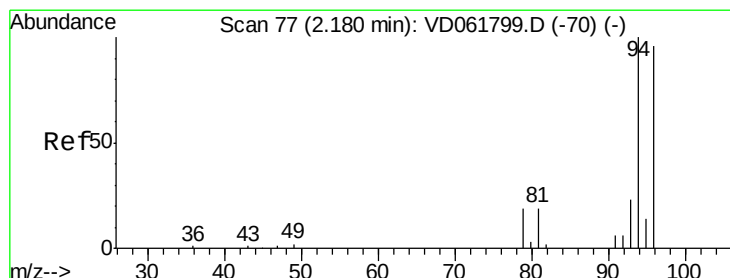
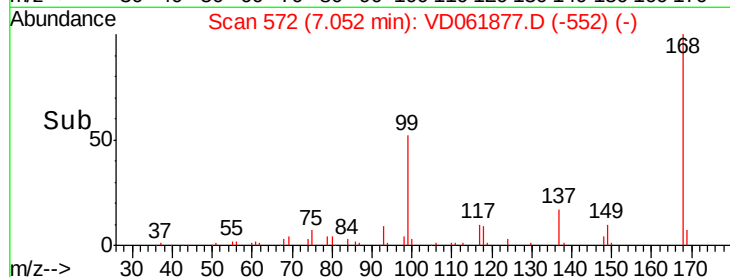
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

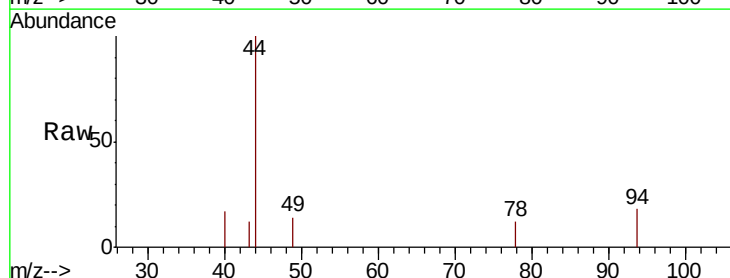
Tgt Ion: 94 Resp: 681

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

800

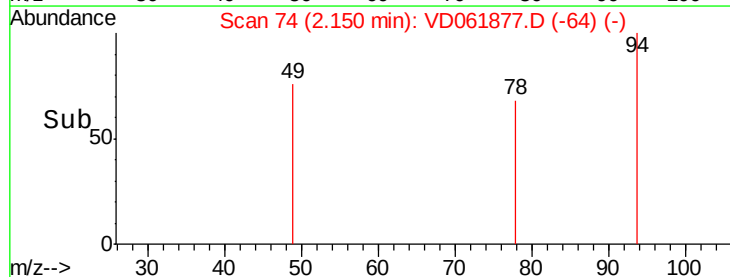
600

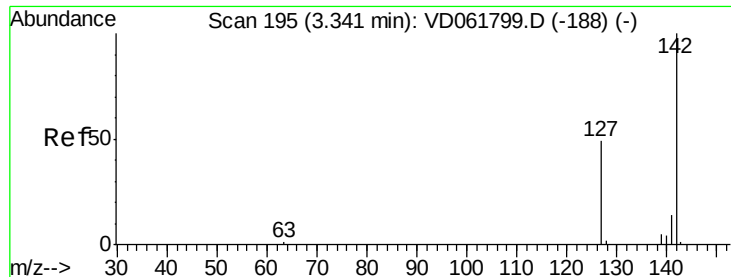
400

200

0

Time-->

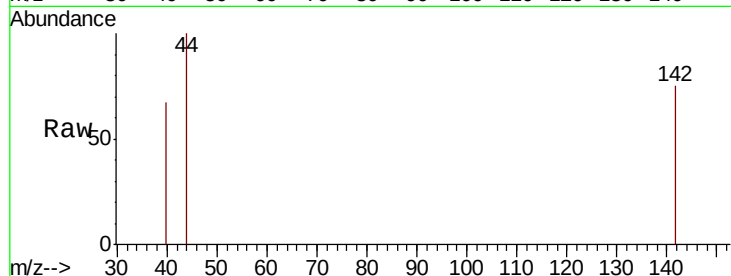




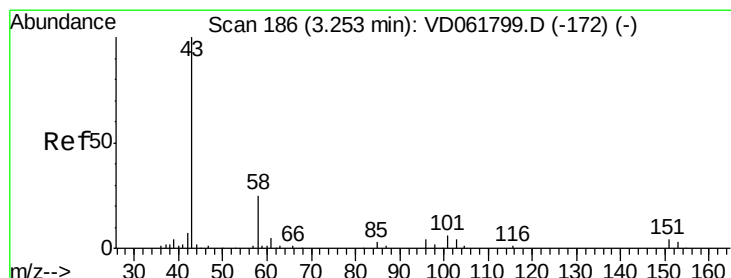
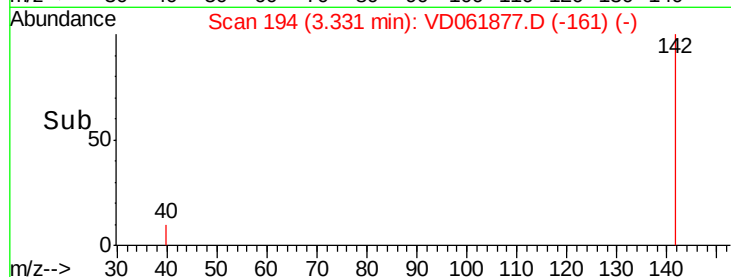
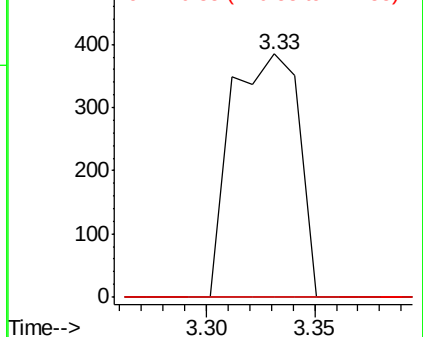
#10
Methyl Iodide
Concen: 3.626 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.02 min
Lab File: VD061877.D
Acq: 18 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2RE

Tgt Ion:142 Resp: 839
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

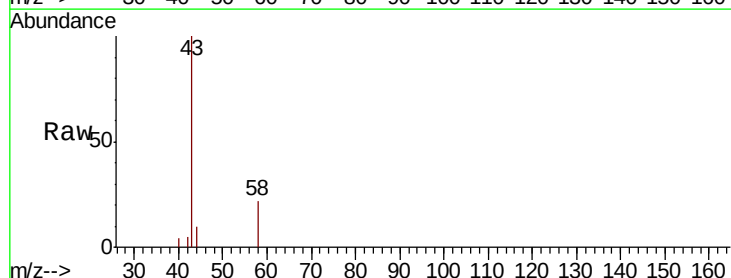


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

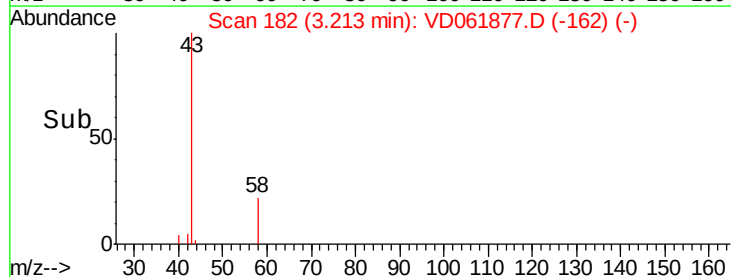
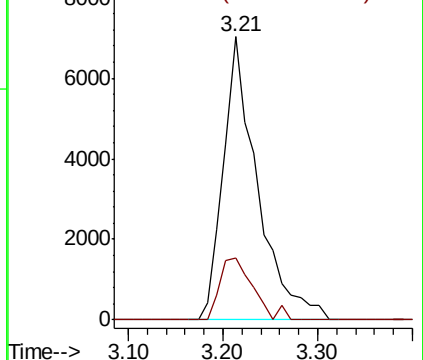


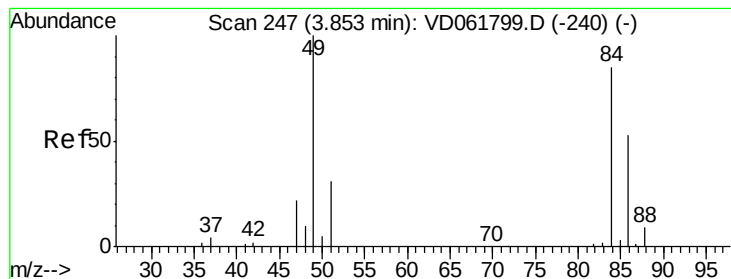
#16
Acetone
Concen: 21.628 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD061877.D
Acq: 18 Apr 2019 16:35

Tgt Ion: 43 Resp: 17545
Ion Ratio Lower Upper
43 100
58 22.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V





#20

Methylene Chloride

Concen: 1.717 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2RE

Tgt Ion: 84 Resp: 24785

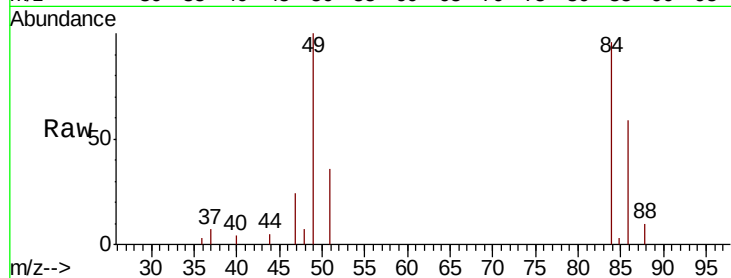
Ion Ratio Lower Upper

84 100

49 103.9 94.0 141.0

51 37.2 29.0 43.4

86 61.2 49.8 74.6

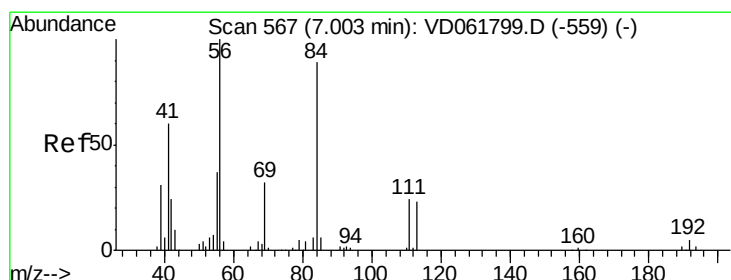
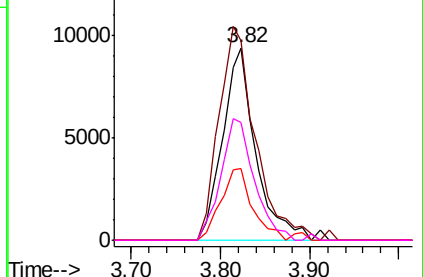
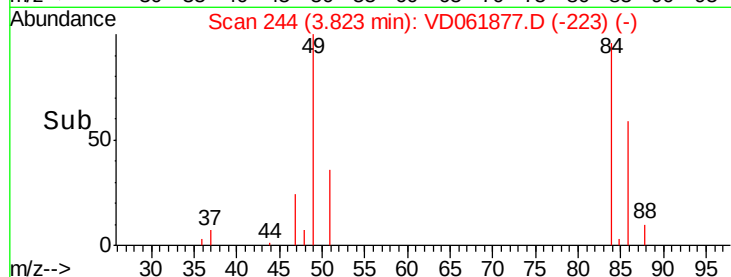


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

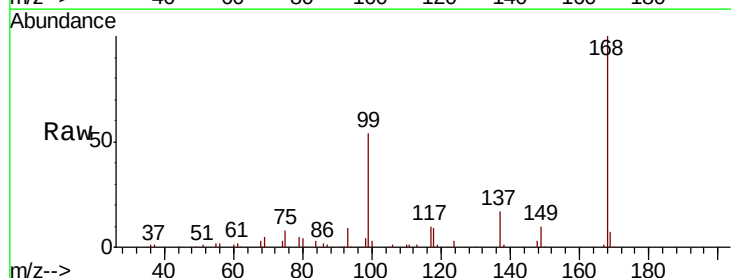
Tgt Ion: 56 Resp: 7039

Ion Ratio Lower Upper

56 100

69 253.3 25.8 38.6#

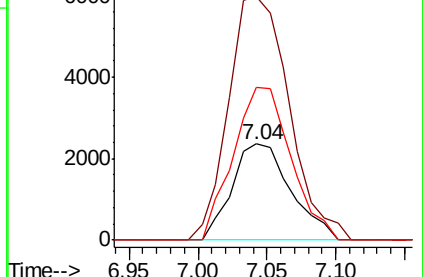
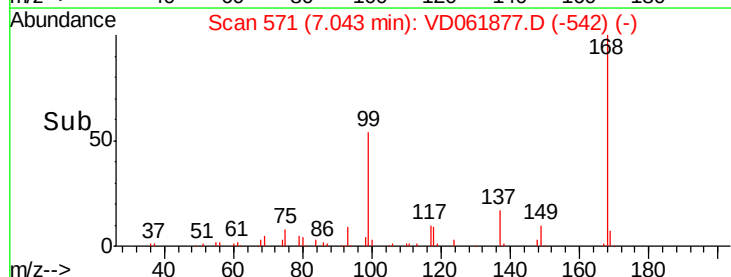
84 158.6 72.2 108.4#

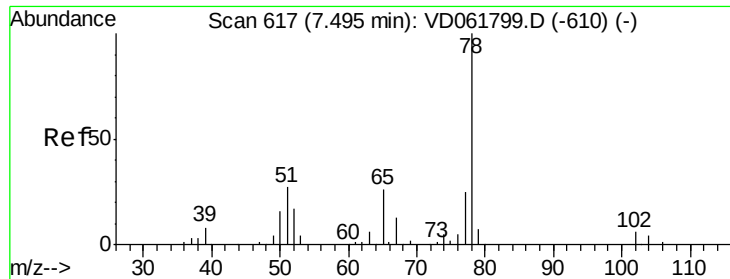


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

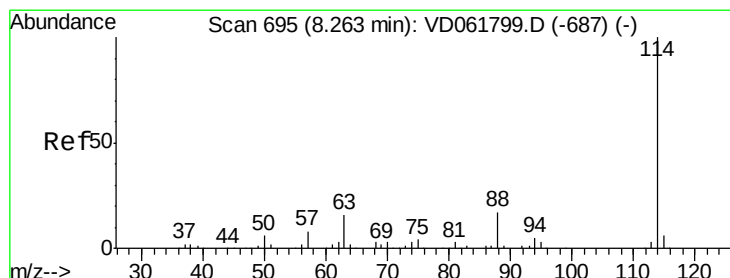
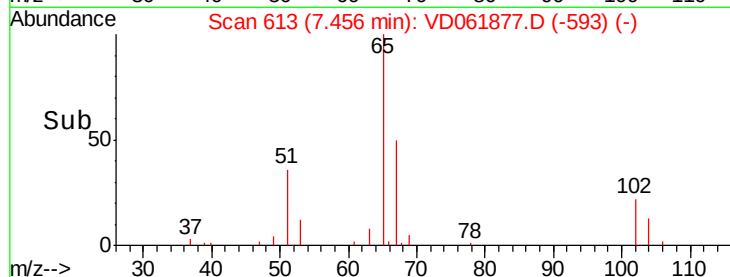
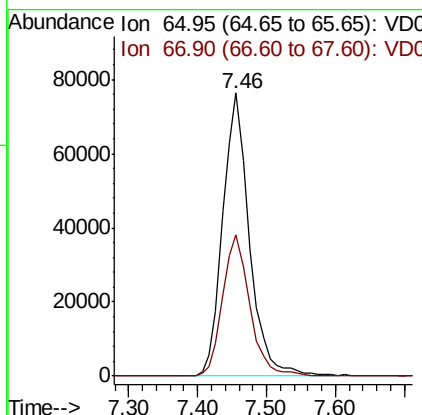
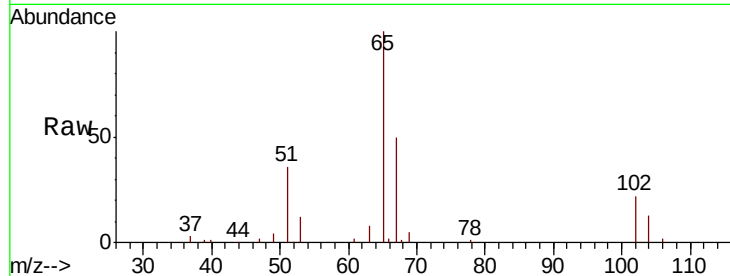




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061877.D
 Acq: 18 Apr 2019 16:35

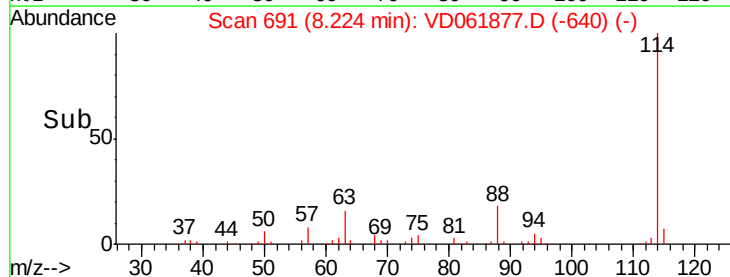
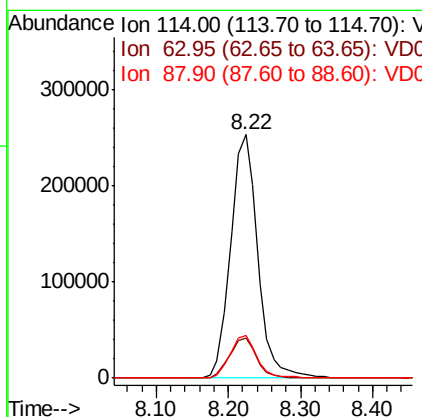
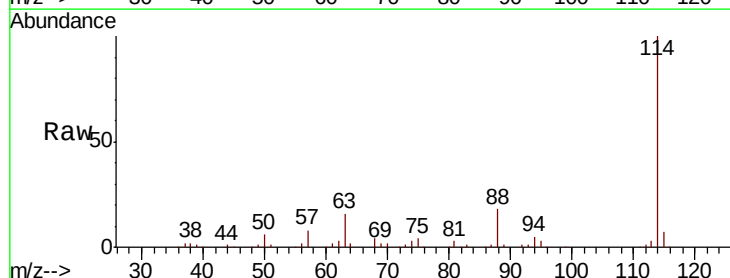
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S2RE

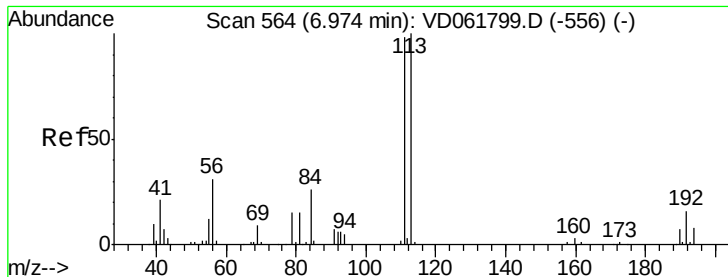
Tgt Ion: 65 Resp: 204316
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061877.D
 Acq: 18 Apr 2019 16:35

Tgt Ion: 114 Resp: 664687
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 32.4
 88 17.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2RE

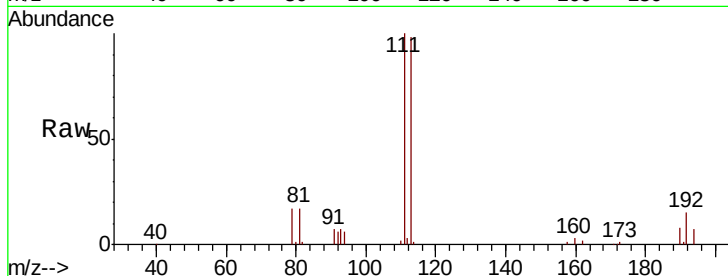
Tgt Ion:113 Resp: 282346

Ion Ratio Lower Upper

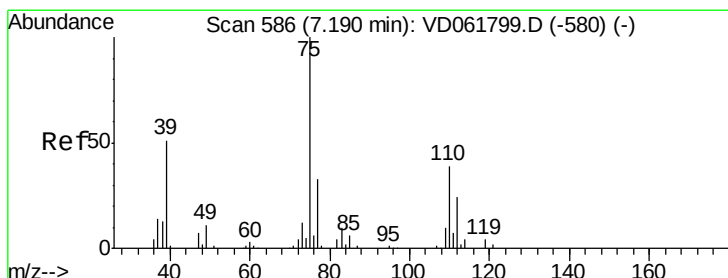
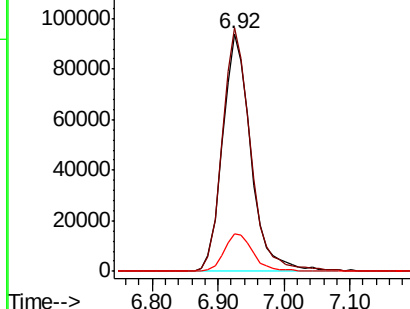
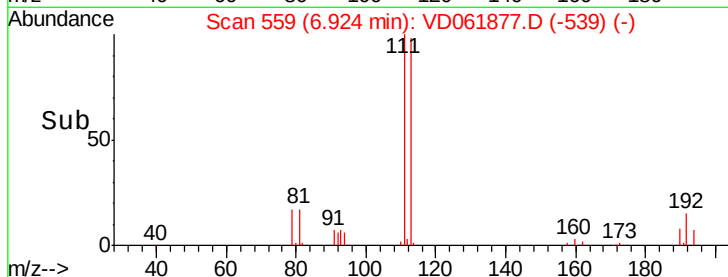
113 100

111 102.5 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: 5.528 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

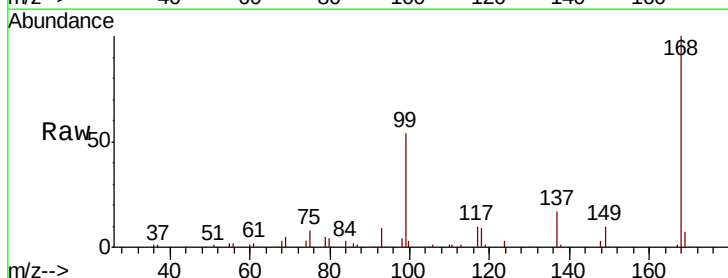
Tgt Ion: 75 Resp: 30024

Ion Ratio Lower Upper

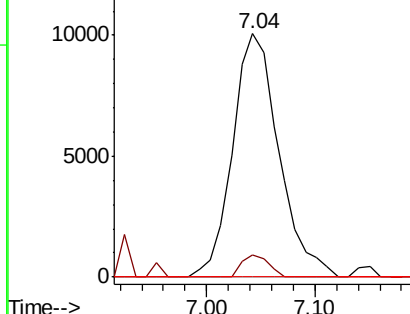
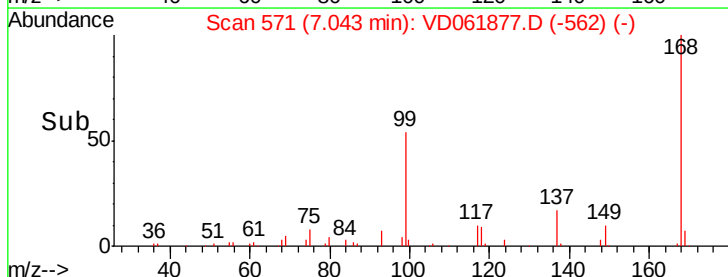
75 100

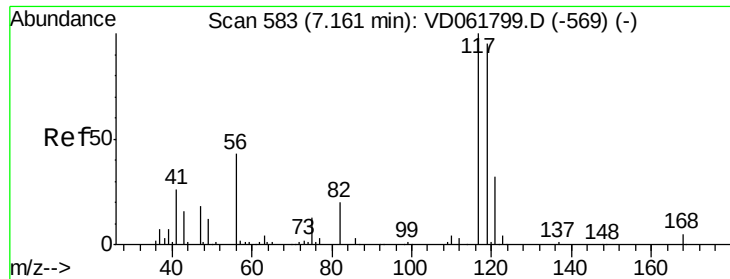
110 8.9 19.1 57.1#

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

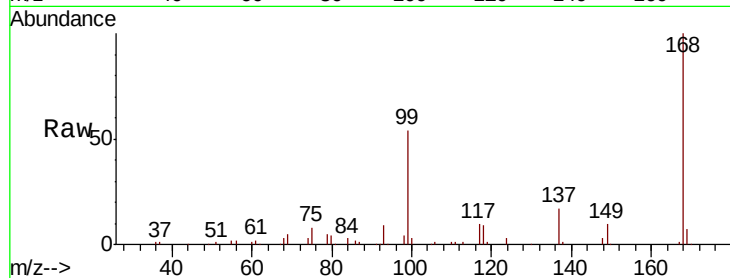




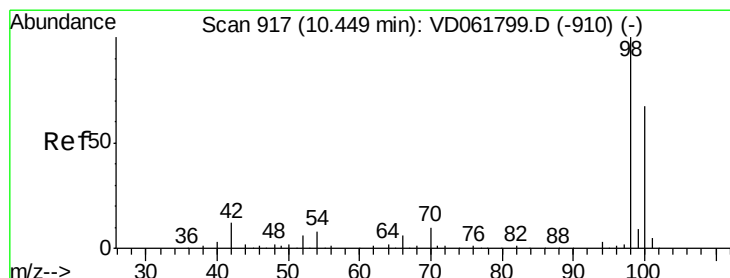
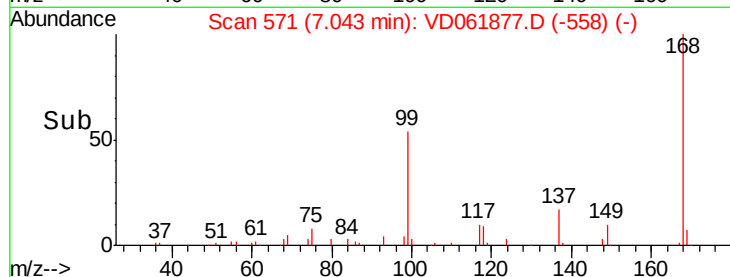
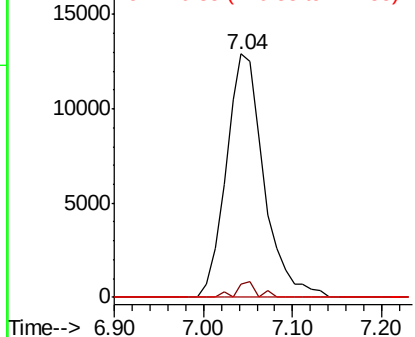
#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061877.D
Acq: 18 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S2RE

Tgt Ion: 117 Resp: 37976
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 25.9 38.9#

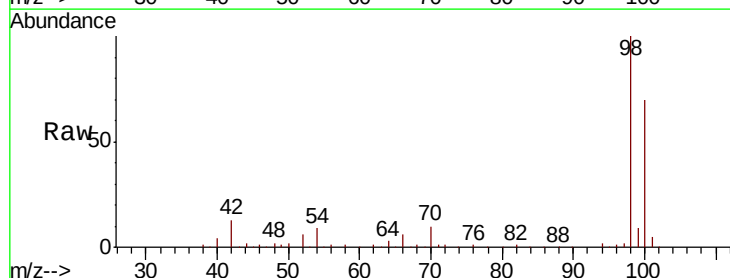


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

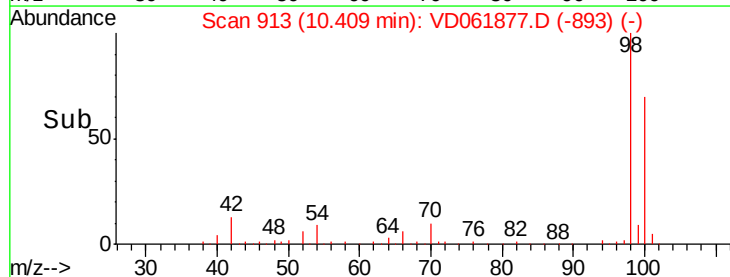
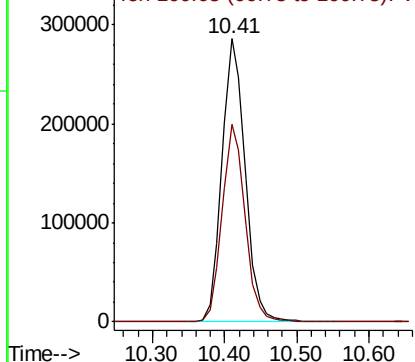


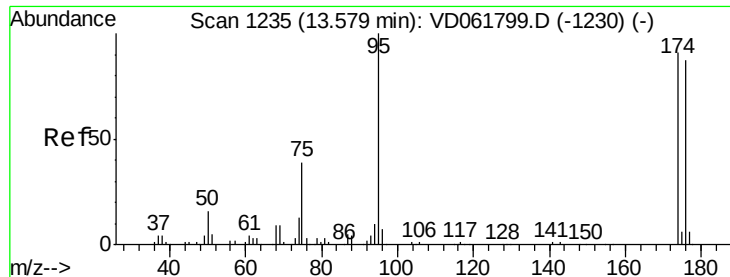
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061877.D
Acq: 18 Apr 2019 16:35

Tgt Ion: 98 Resp: 638563
Ion Ratio Lower Upper
98 100
100 70.0 53.8 80.8



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. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2RE

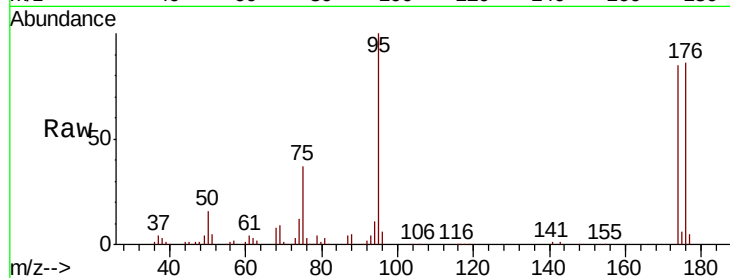
Tgt Ion: 95 Resp: 179824

Ion Ratio Lower Upper

95 100

174 85.3 0.0 181.8

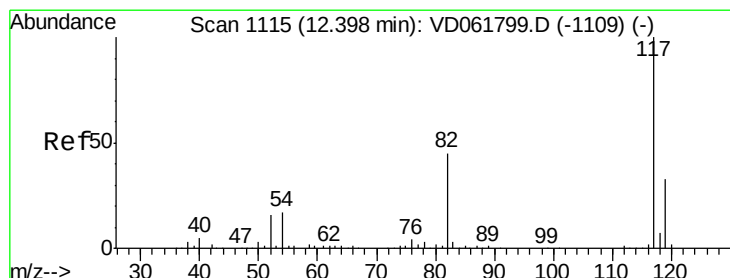
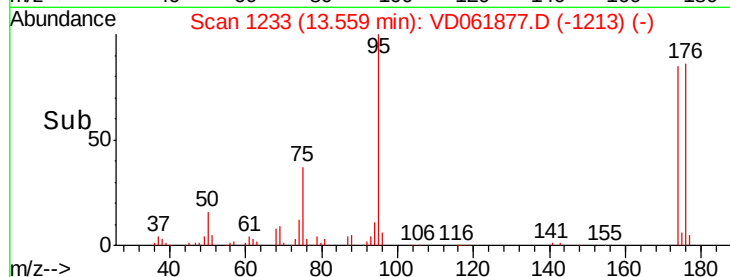
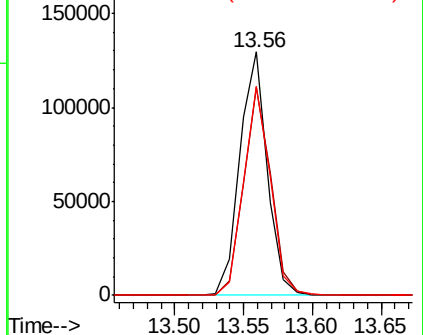
176 85.7 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

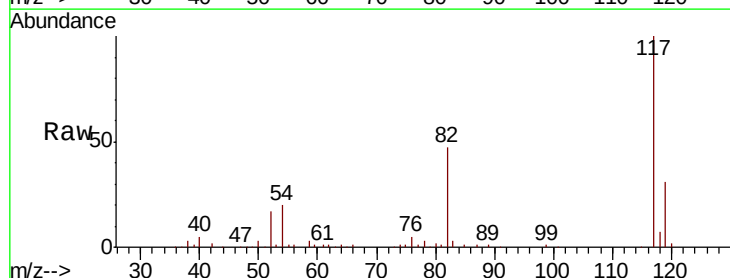
Tgt Ion: 117 Resp: 471892

Ion Ratio Lower Upper

117 100

82 47.2 36.2 54.2

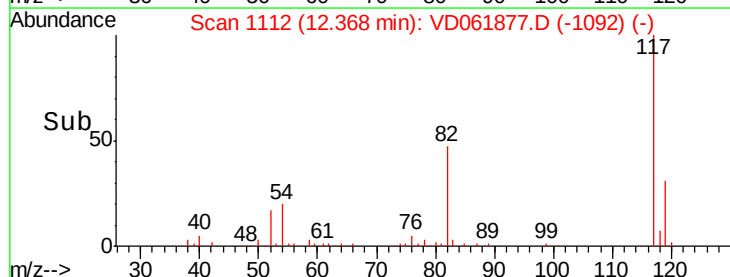
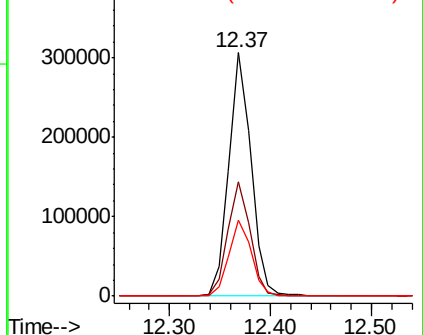
119 31.2 26.2 39.4

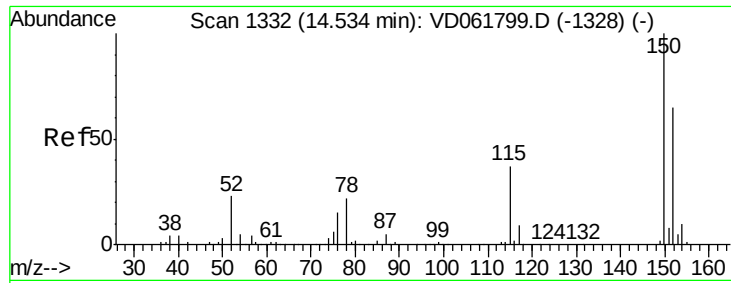


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.00 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S2RE

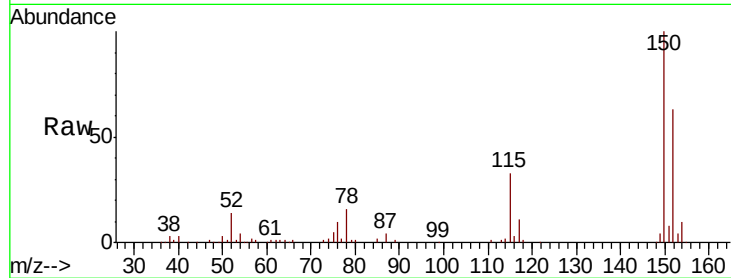
Tgt Ion:152 Resp: 134725

Ion Ratio Lower Upper

152 100

115 52.1 30.9 92.7

150 157.7 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

200000

150000

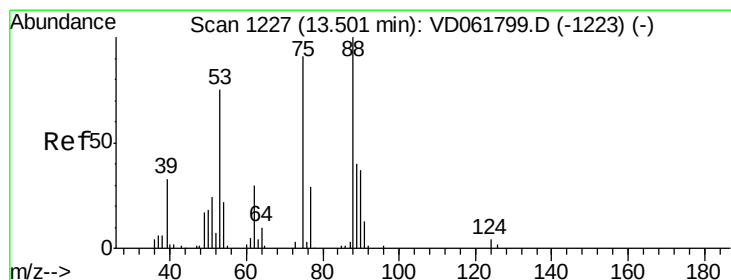
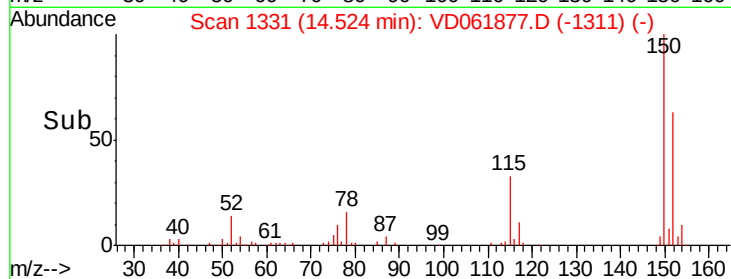
100000

50000

0

14.45 14.50 14.55 14.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.644 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061877.D

Acq: 18 Apr 2019 16:35

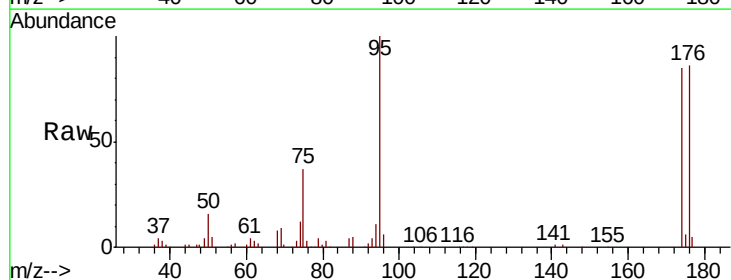
Tgt Ion: 75 Resp: 68998

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

60000

50000

40000

30000

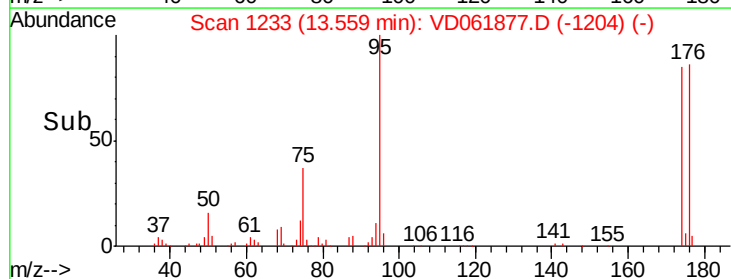
20000

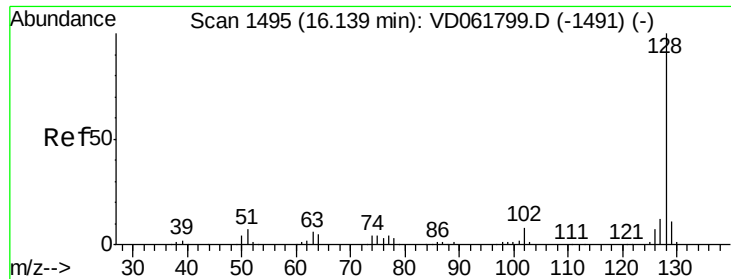
10000

0

13.50 13.55 13.60

Time-->

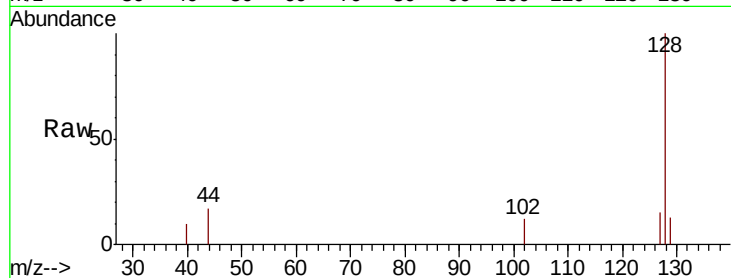




#95
 Naphthalene
 Concen: 1.186 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VD061877.D
 Acq: 18 Apr 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S2RE

Tgt Ion:128 Resp: 3625
 Ion Ratio Lower Upper
 128 100
 127 15.2 9.8 14.8#
 129 13.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

