

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062204.D
 Acq On : 9 May 2019 22:39
 Operator : FY/SY
 Sample : K2717-16
 Misc : 4.12g/5mL/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS003-0612-01

Quant Time: May 10 04:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

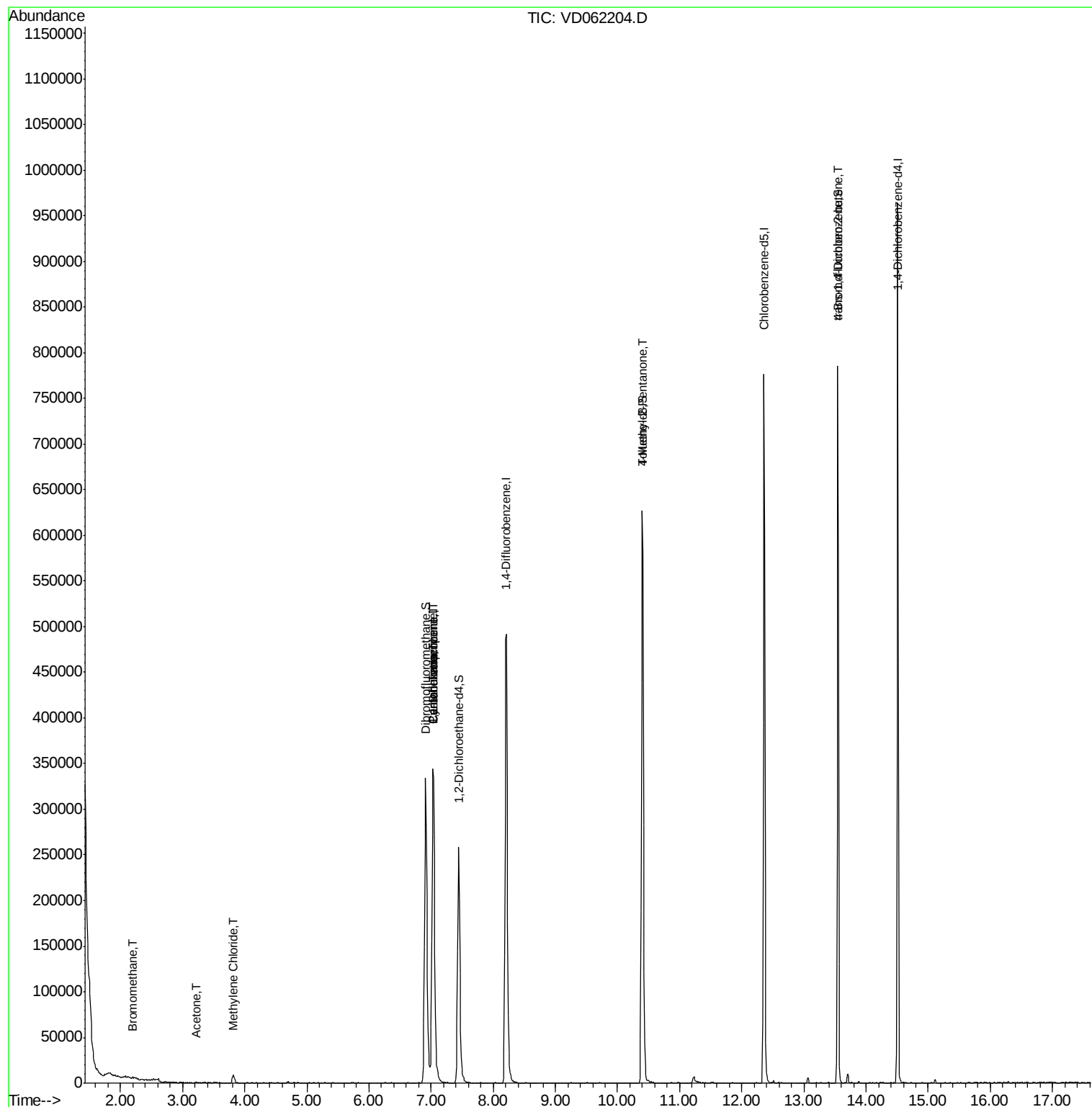
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	356802	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	554017	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	424750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	197213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	287300	86.65	ug/l	0.02
Spiked Amount 50.000			Recovery	=	173.30%	
35) Dibromofluoromethane	6.91	113	294204	64.00	ug/l	0.02
Spiked Amount 50.000			Recovery	=	128.00%	
50) Toluene-d8	10.40	98	523350	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	13.55	95	219866	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	1377	2.425	ug/l #	12
16) Acetone	3.22	43	888	1.277	ug/l #	50
20) Methylene Chloride	3.80	84	6488	2.235	ug/l #	81
31) Cyclohexane	7.02	56	7140	2.052	ug/l #	2
36) 1,1-Dichloropropene	7.03	75	25691	5.656	ug/l #	49
38) Carbon Tetrachloride	7.03	117	35702	5.679	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	3162	1.801	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	96137	145.300	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

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MSVOA_D

ClientSampleId :

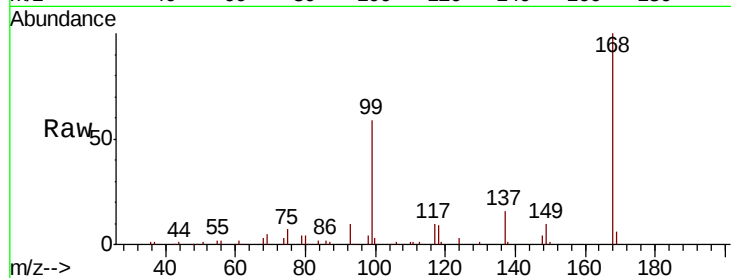
P026-SS003-0612-01

Tgt Ion:168 Resp: 356802

Ion Ratio Lower Upper

168 100

99 58.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

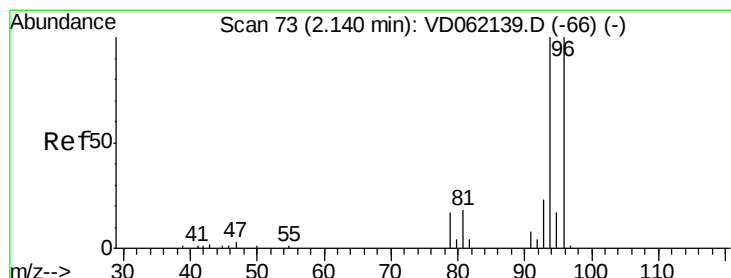
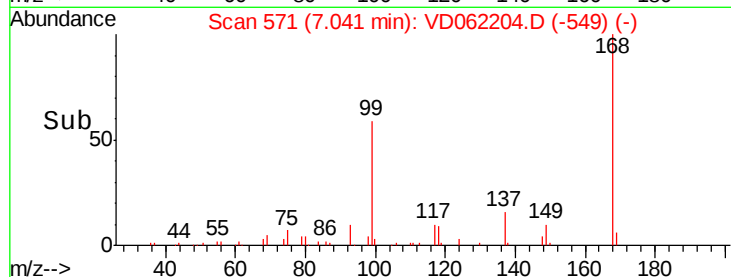
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.425 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

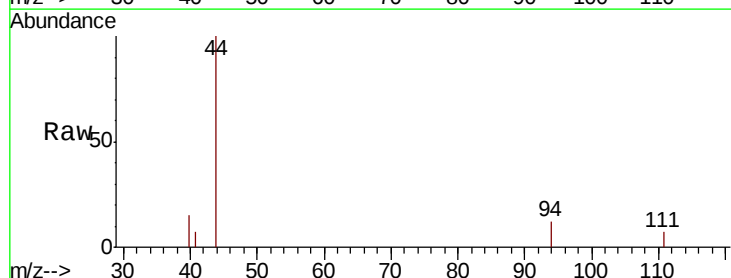
Tgt Ion: 94 Resp: 1377

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

2.19

600

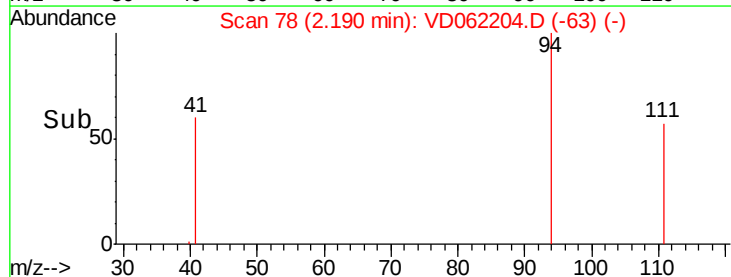
400

200

0

Time-->

2.15 2.20





#16

Acetone

Concen: 1.277 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Instrument :

MSVOA_D

ClientSampleId :

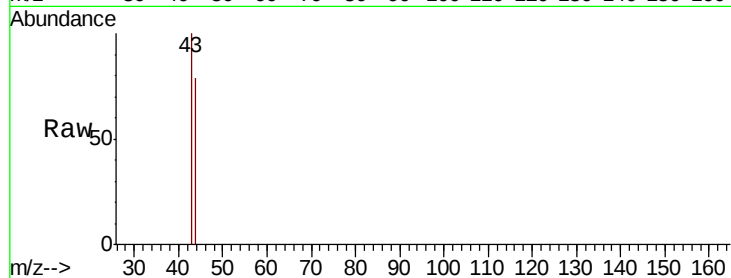
P026-SS003-0612-01

Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

58 0.0 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

600

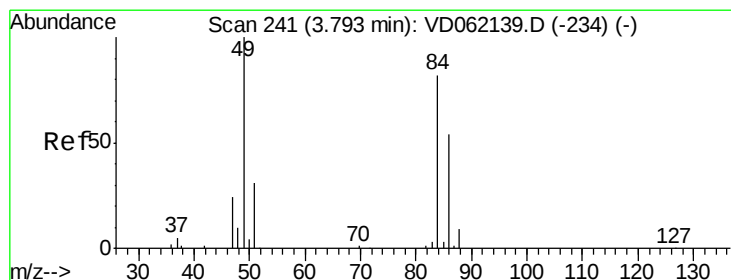
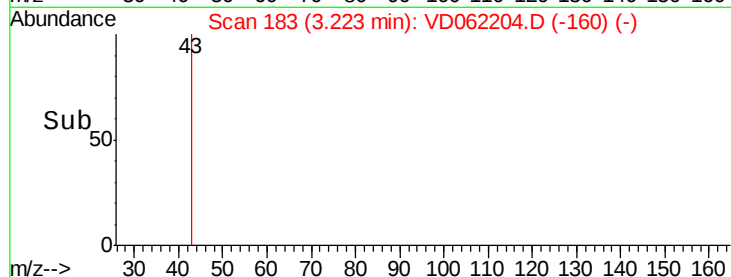
400

200

0

3.20 3.25

Time-->



#20

Methylene Chloride

Concen: 2.235 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Tgt Ion: 84 Resp: 6488

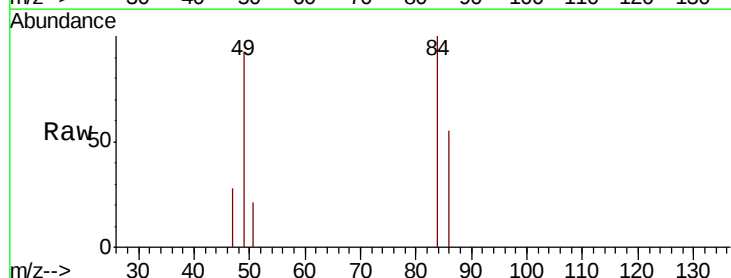
Ion Ratio Lower Upper

84 100

49 93.2 94.0 141.0#

51 20.9 29.0 43.4#

86 55.2 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

4000

3000

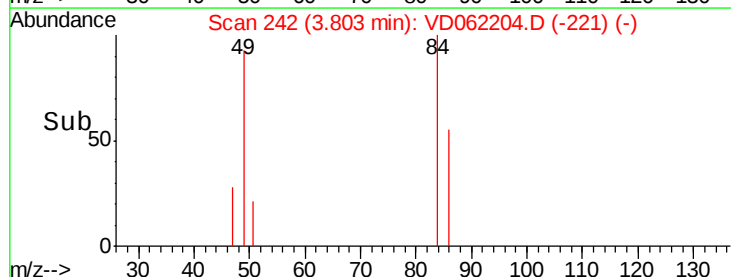
2000

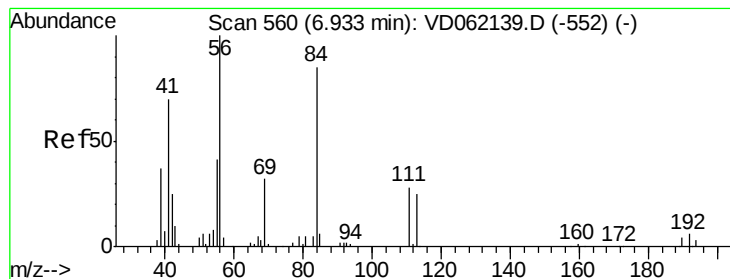
1000

0

3.75 3.80 3.85 3.90

Time-->





#31

Cyclohexane

Concen: 2.052 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Instrument :

MSVOA_D

ClientSampleId :

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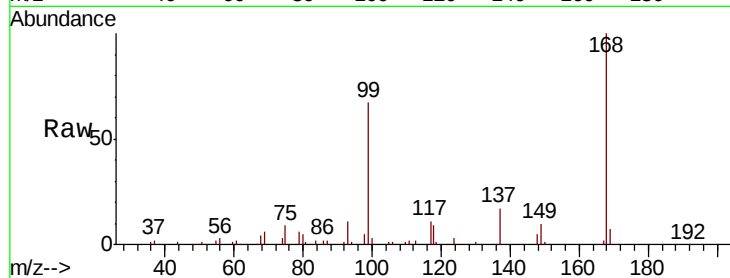
Tgt Ion: 56 Resp: 7140

Ion Ratio Lower Upper

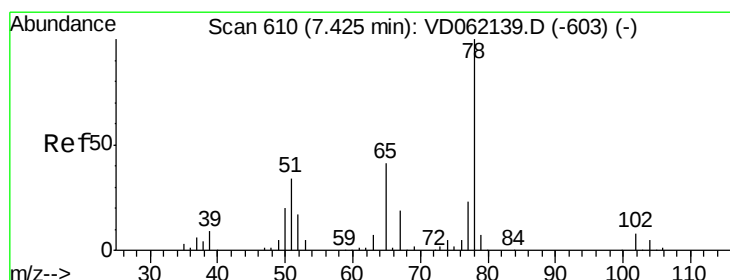
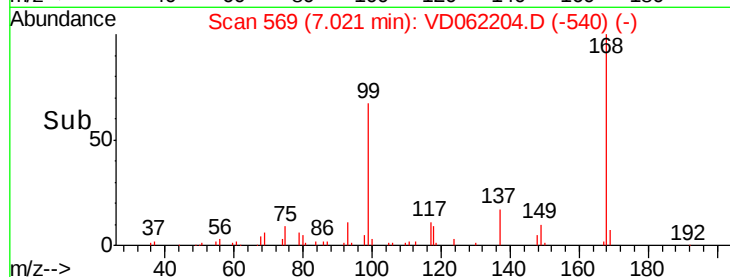
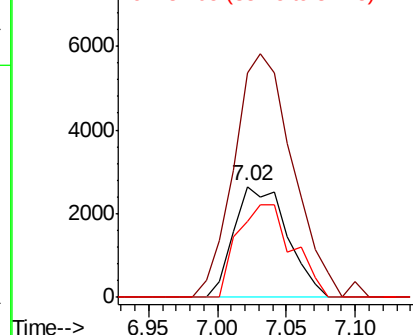
56 100

69 203.3 25.8 38.6#

84 68.1 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: 86.646 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062204.D

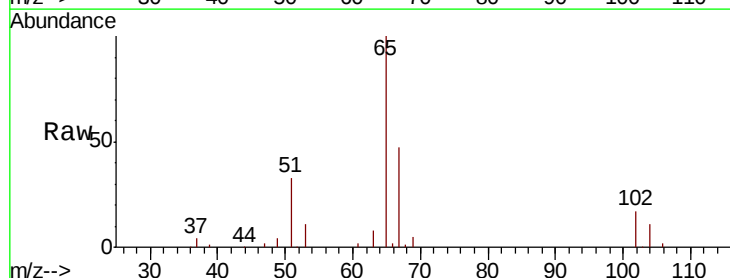
Acq: 9 May 2019 22:39

Tgt Ion: 65 Resp: 287300

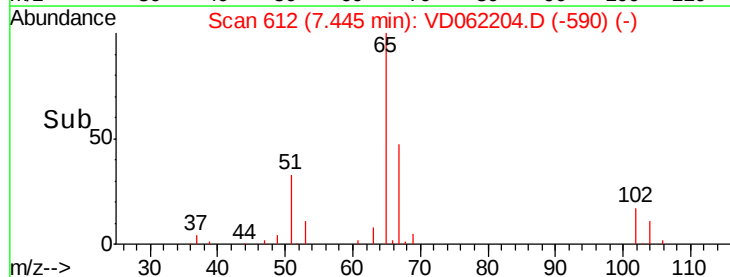
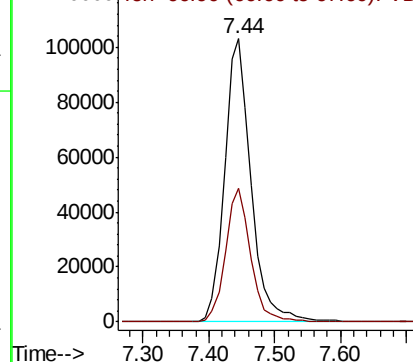
Ion Ratio Lower Upper

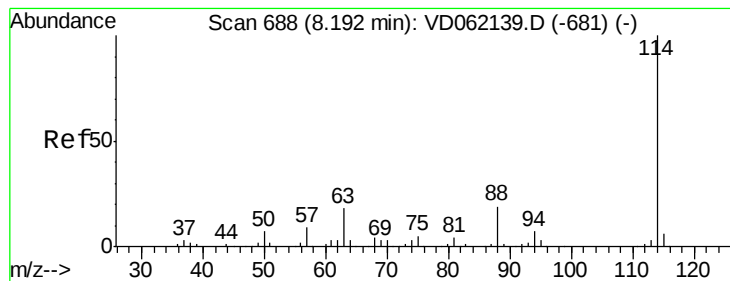
65 100

67 47.4 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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Instrument :

MSVOA_D

ClientSampleId :

P026-SS003-0612-01

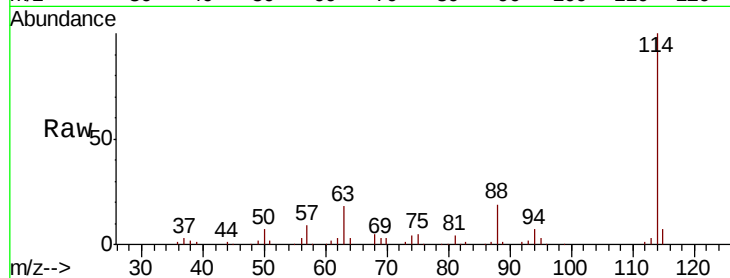
Tgt Ion:114 Resp: 554017

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

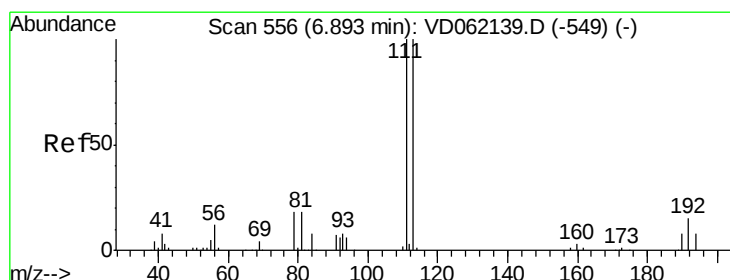
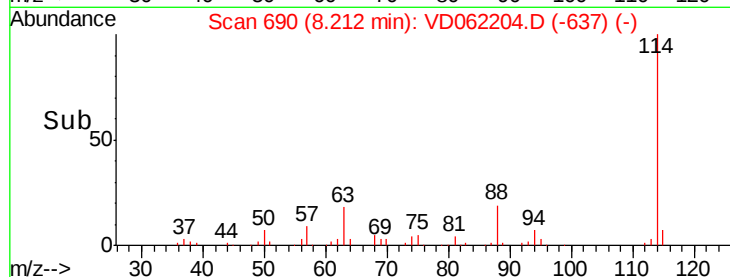
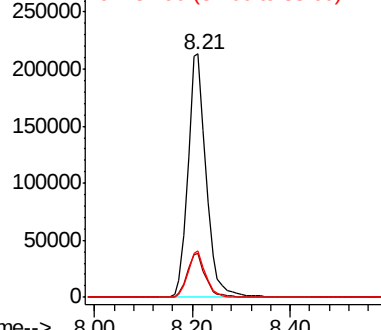
88 19.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 64.003 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

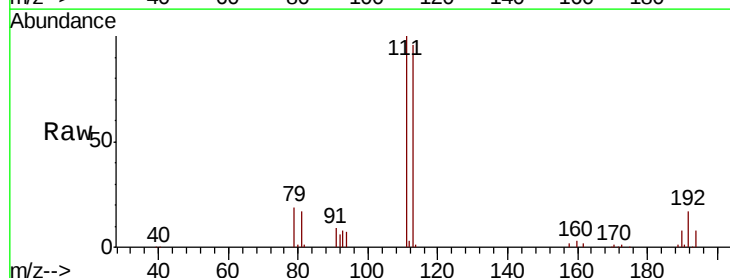
Tgt Ion:113 Resp: 294204

Ion Ratio Lower Upper

113 100

111 103.9 78.5 117.7

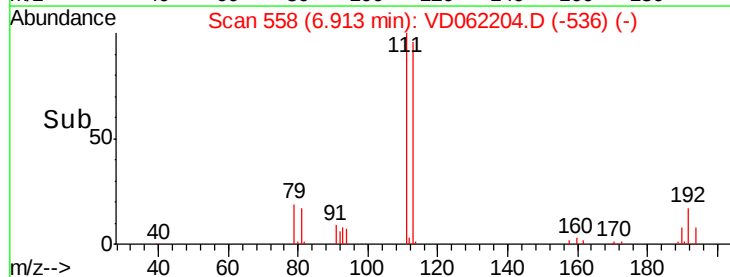
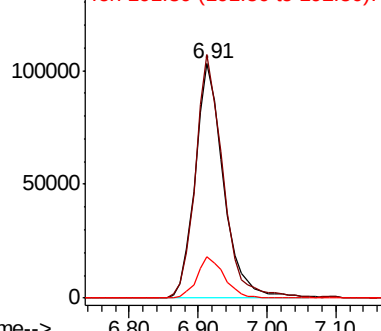
192 17.5 13.0 19.4

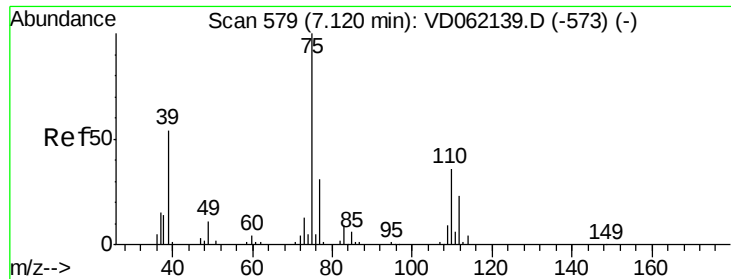


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

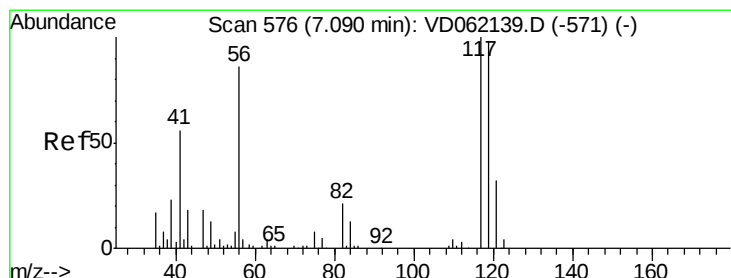
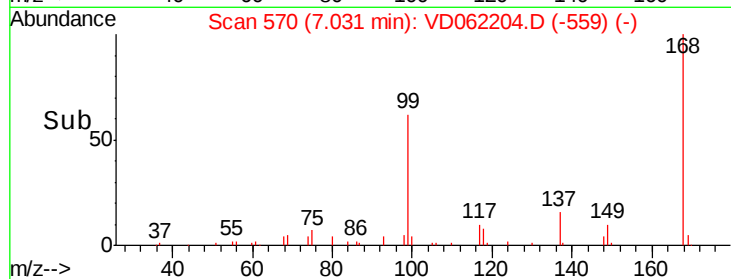
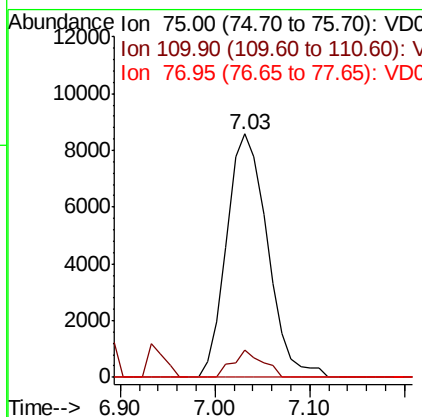
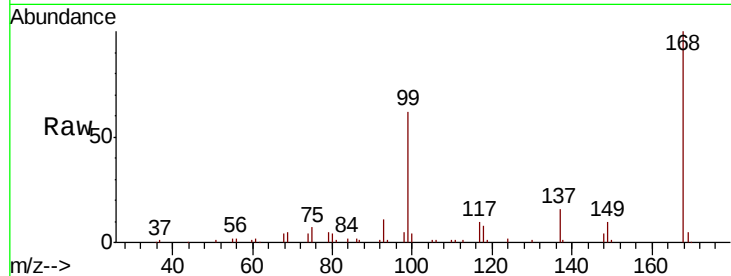




#36
 1,1-Dichloropropene
 Concen: 5.656 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062204.D
 Acq: 9 May 2019 22:39

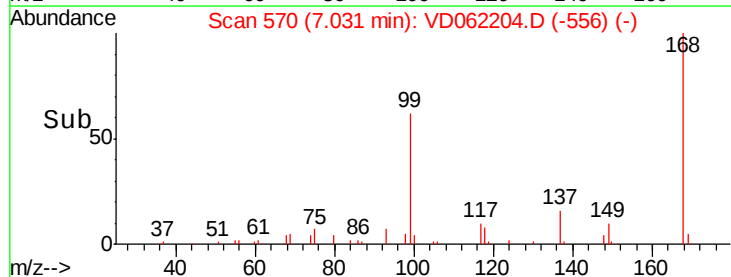
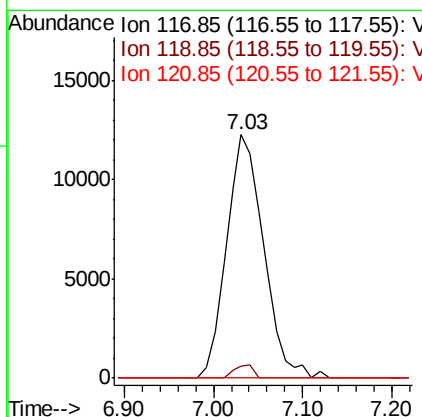
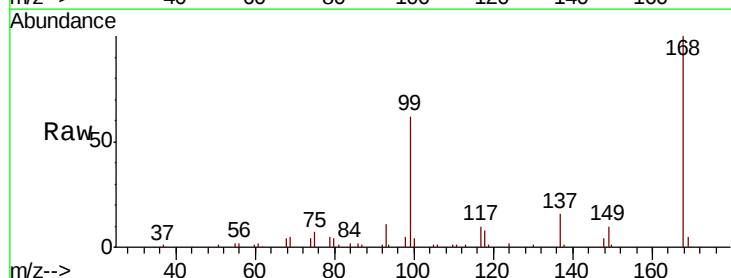
Instrument :
 MSVOA_D
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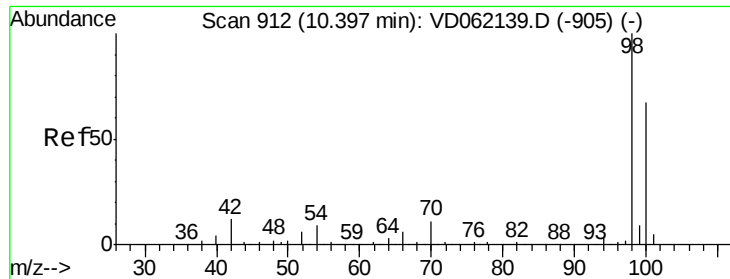
Tgt Ion: 75 Resp: 25691
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 5.679 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD062204.D
 Acq: 9 May 2019 22:39

Tgt Ion: 117 Resp: 35702
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.8#
 121 0.0 25.9 38.9#

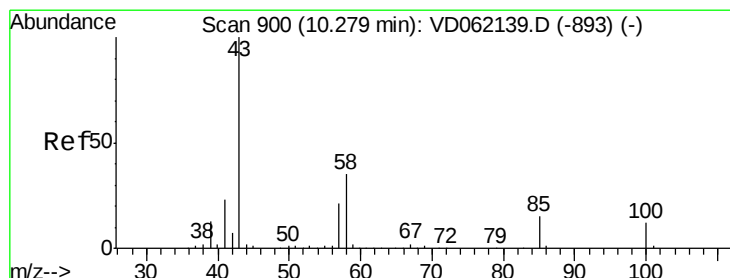
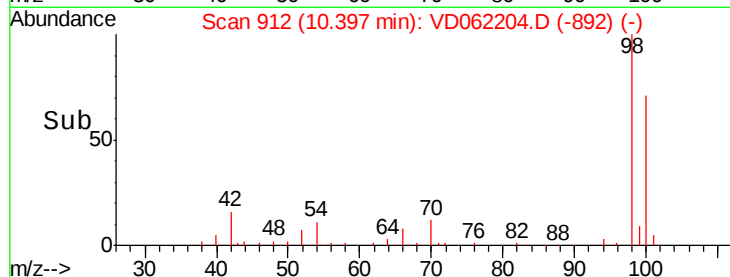
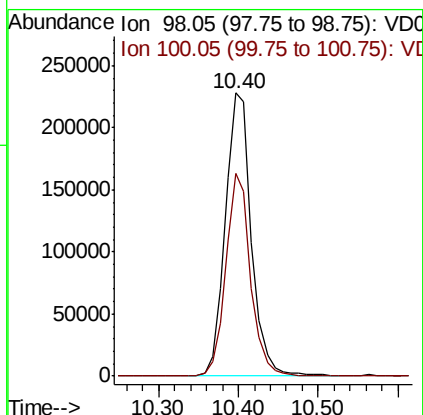
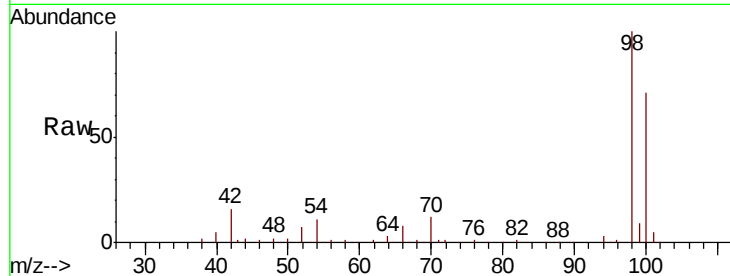




#50
Toluene-d8
Concen: 47.221 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD062204.D
Acq: 9 May 2019 22:39

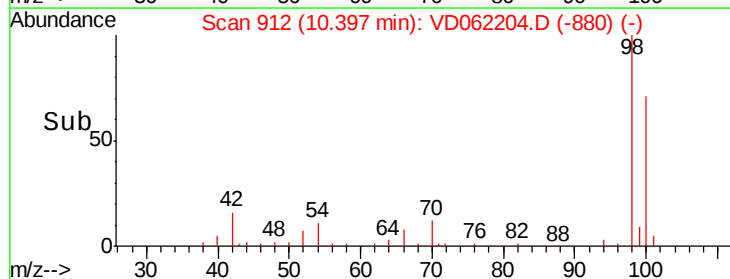
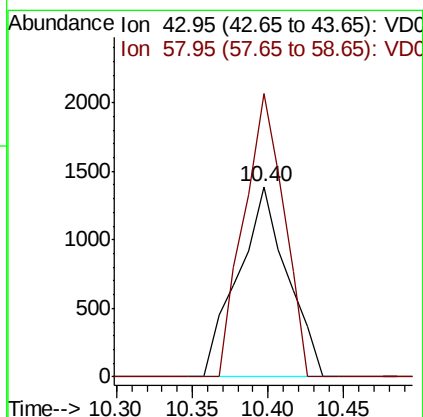
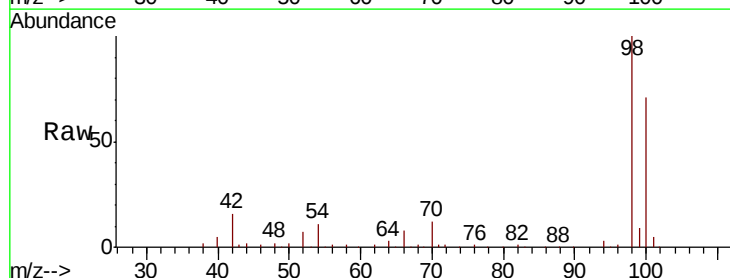
Instrument :
MSVOA_D
ClientSampleId :
P026-SS003-0612-01

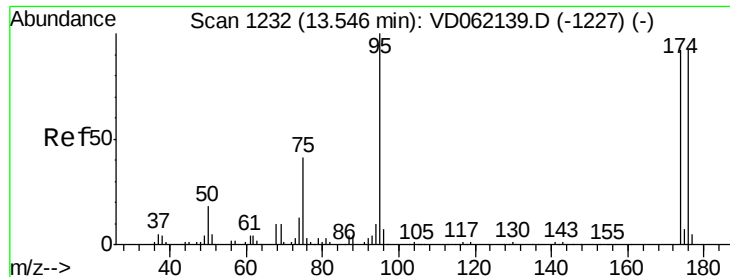
Tgt Ion: 98 Resp: 523350
Ion Ratio Lower Upper
98 100
100 71.4 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.801 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.12 min
Lab File: VD062204.D
Acq: 9 May 2019 22:39

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 148.6 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 49.402 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Instrument :

MSVOA_D

ClientSampleId :

P026-SS003-0612-01

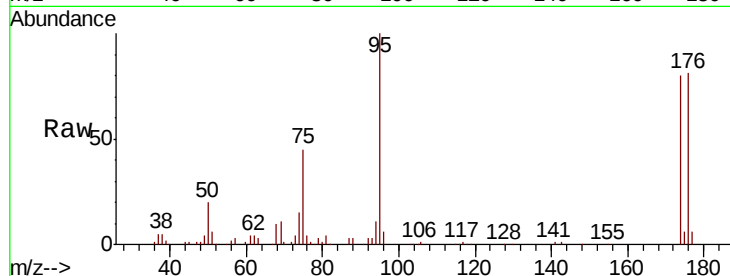
Tgt Ion: 95 Resp: 219866

Ion Ratio Lower Upper

95 100

174 79.9 0.0 181.8

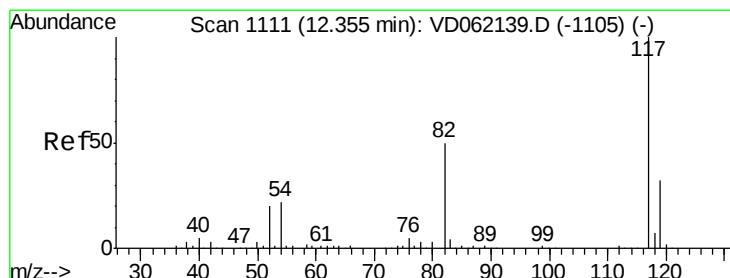
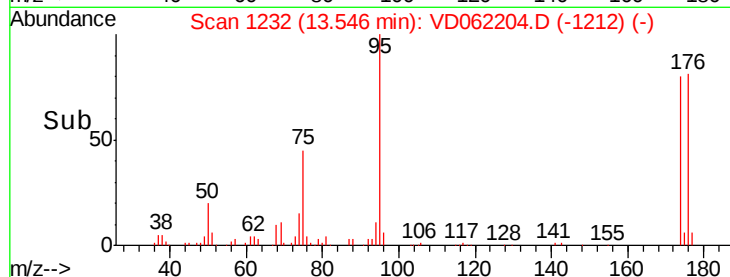
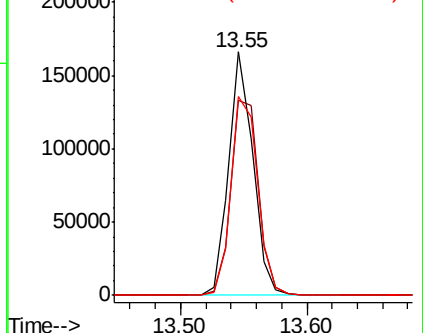
176 81.4 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

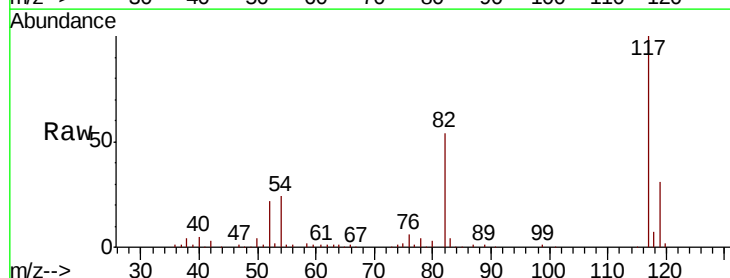
Tgt Ion: 117 Resp: 424750

Ion Ratio Lower Upper

117 100

82 53.7 36.2 54.2

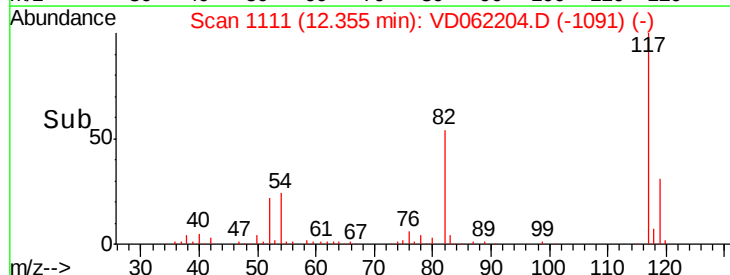
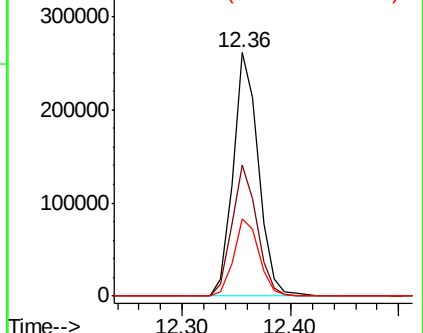
119 31.5 26.2 39.4

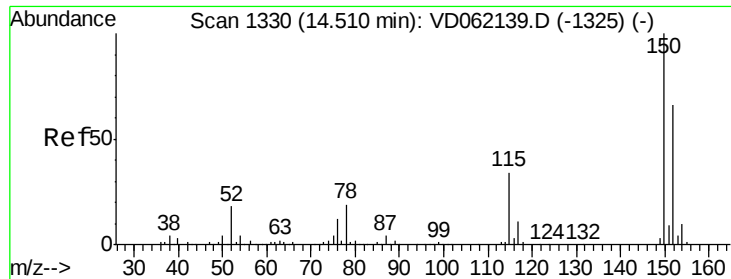


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

Instrument :

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ClientSampleId :

P026-SS003-0612-01

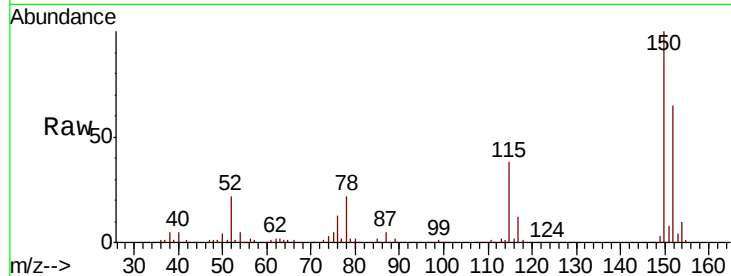
Tgt Ion: 152 Resp: 197213

Ion Ratio Lower Upper

152 100

115 58.5 30.9 92.7

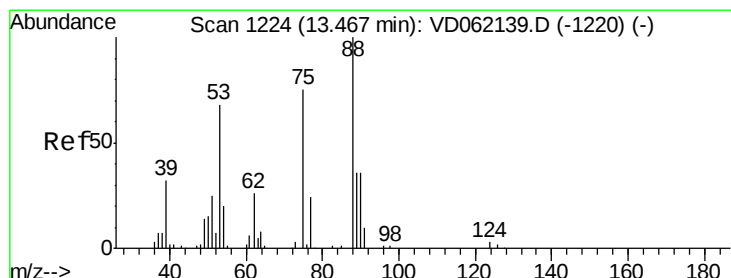
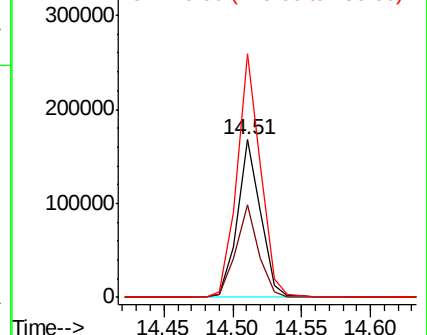
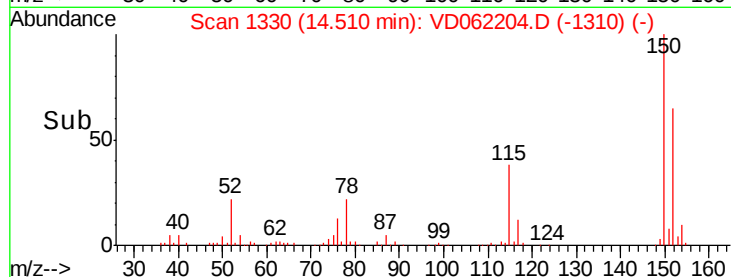
150 154.4 0.0 314.8



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: 145.300 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062204.D

Acq: 9 May 2019 22:39

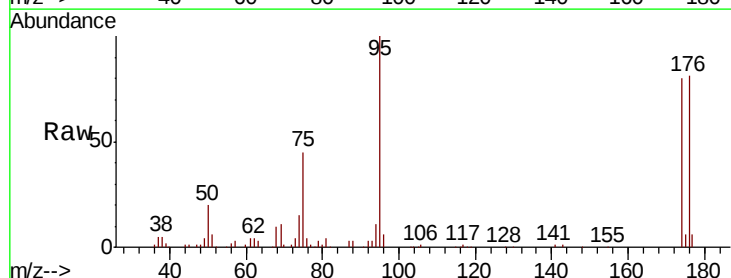
Tgt Ion: 75 Resp: 96137

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

