

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062261.D
 Acq On : 12 May 2019 16:14
 Operator : FY/SY
 Sample : K2733-06
 Misc : 6.42g/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0612-01

Quant Time: May 13 01:33:59 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	7.07	168	517667	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	771344	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	568956	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	193598	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	251660	52.31	ug/l	0.04
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	6.95	113	309894	48.42	ug/l	0.05
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.42	98	554604	35.94	ug/l	0.02
Spiked Amount			Recovery	=	71.88%	
62) 4-Bromofluorobenzene	13.56	95	198476	32.03	ug/l	0.01
Spiked Amount			Recovery	=	64.06%	

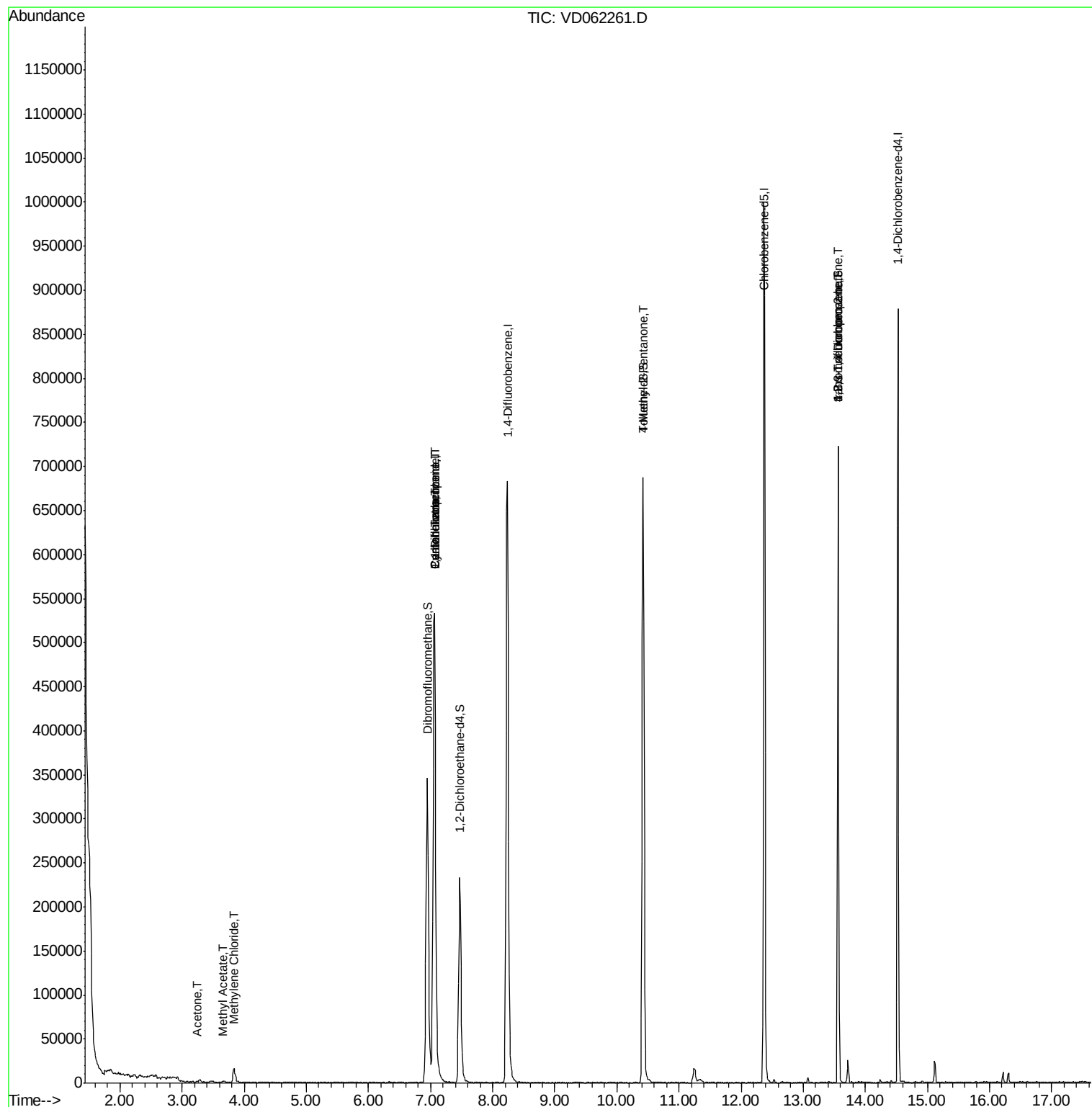
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	2876	2.851	ug/l #	50
18) Methyl Acetate	3.65	43	2727	1.215	ug/l #	53
20) Methylene Chloride	3.84	84	11187	2.656	ug/l	90
31) Cyclohexane	7.07	56	11261	2.231	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	41701	6.594	ug/l #	48
38) Carbon Tetrachloride	7.07	117	54074	6.178	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	2809	1.149	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	83818	36.431	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	86665	133.430	ug/l #	16

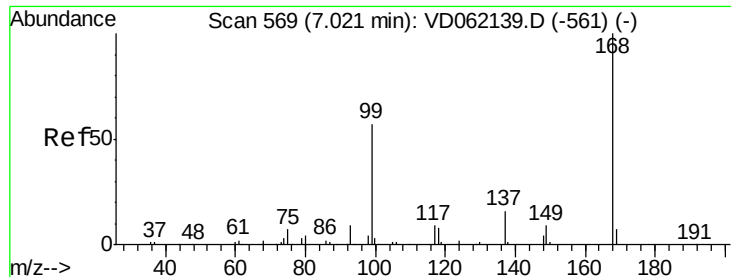
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

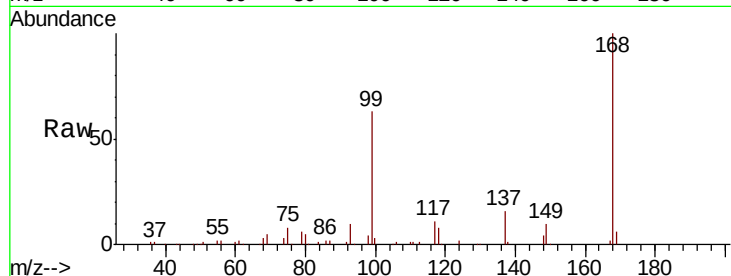
P021-SS001-0612-01

Tot Ion:168 Resp: 517667

Ion Ratio Lower Upper

168 100

99 62.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

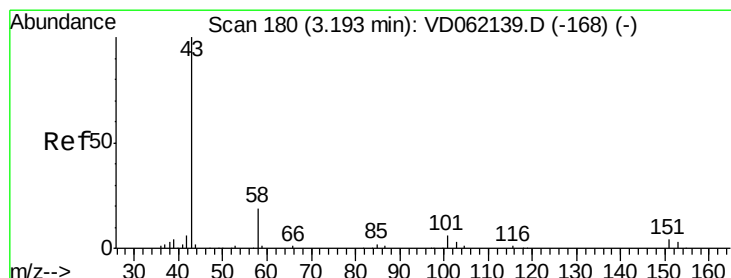
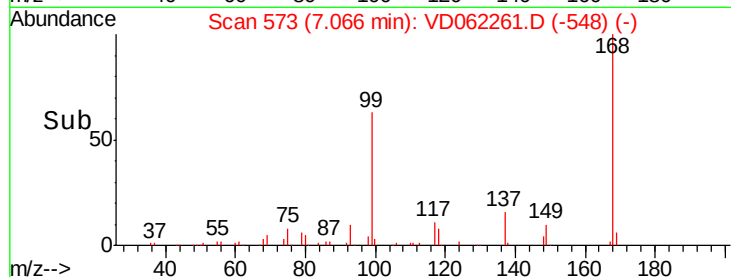
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 2.851 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062261.D

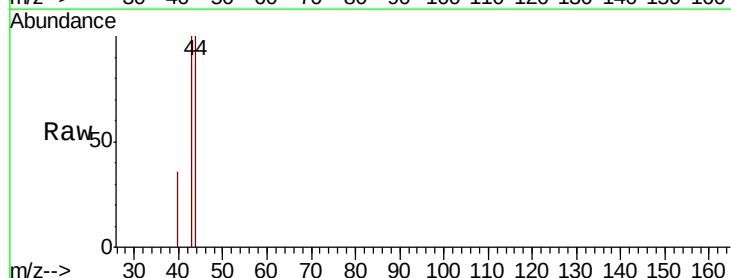
Acq: 12 May 2019 16:14

Tgt Ion: 43 Resp: 2876

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

3.24

1200

1000

800

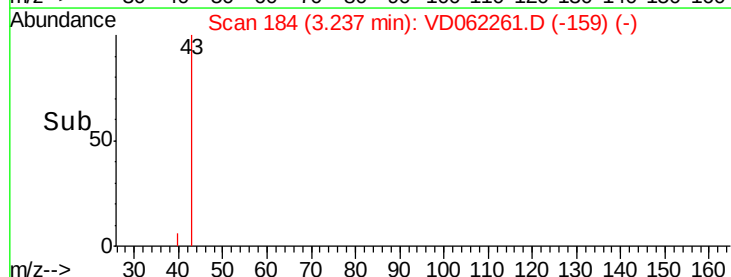
600

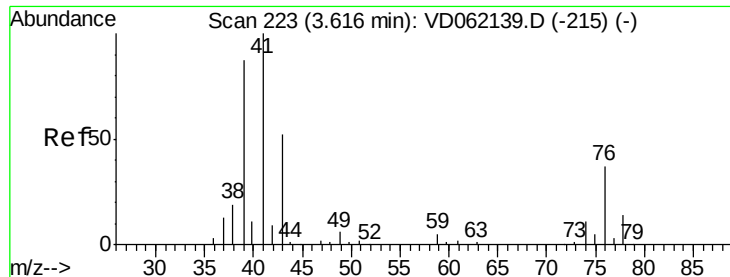
400

200

0

Time--> 3.15 3.20 3.25 3.30

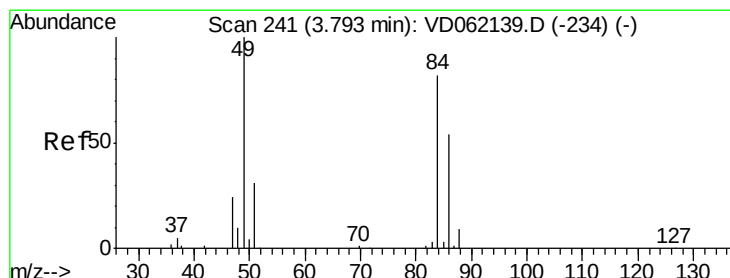
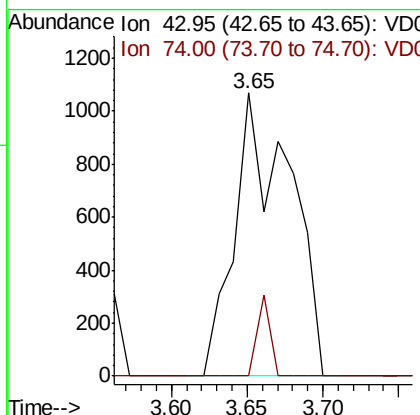
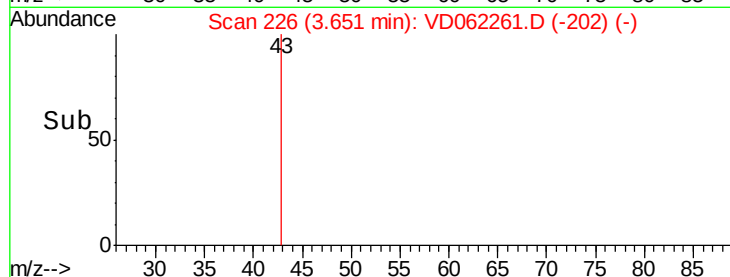
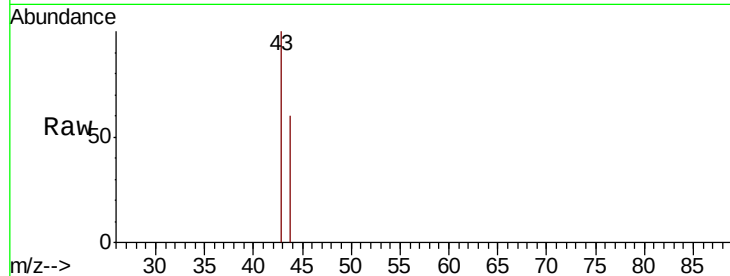




#18
Methyl Acetate
Concen: 1.215 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062261.D
Acq: 12 May 2019 16:14

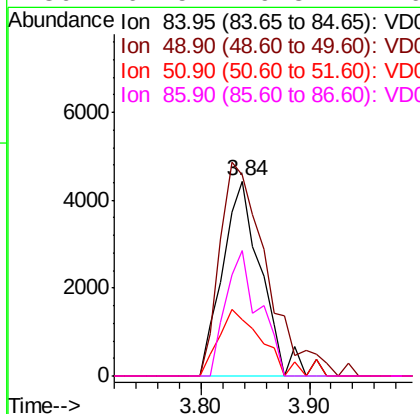
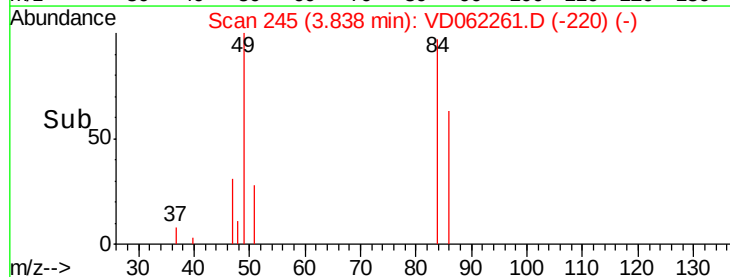
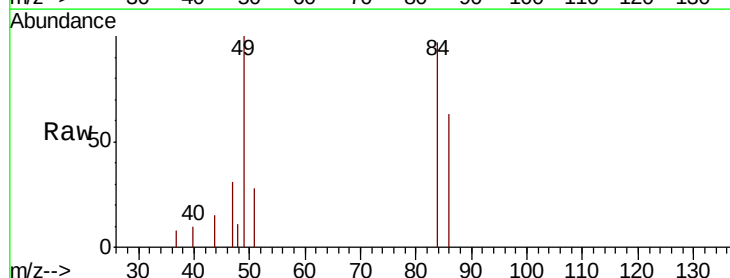
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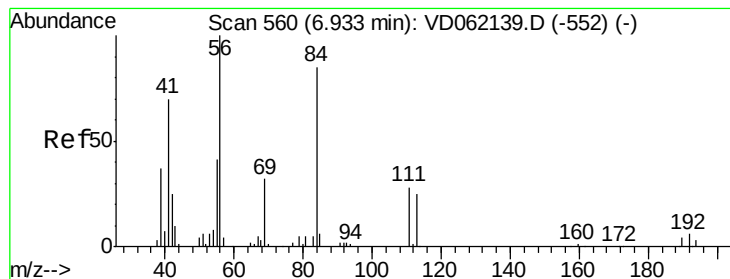
Tot Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 2.656 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062261.D
Acq: 12 May 2019 16:14

Tgt Ion: 84 Resp: 11187
Ion Ratio Lower Upper
84 100
49 103.0 94.0 141.0
51 29.1 29.0 43.4
86 64.5 49.8 74.6





#31

Cyclohexane

Concen: 2.231 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

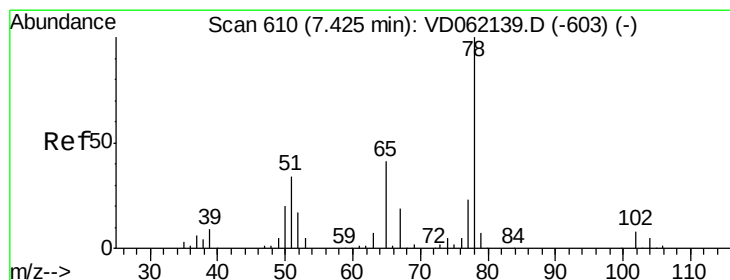
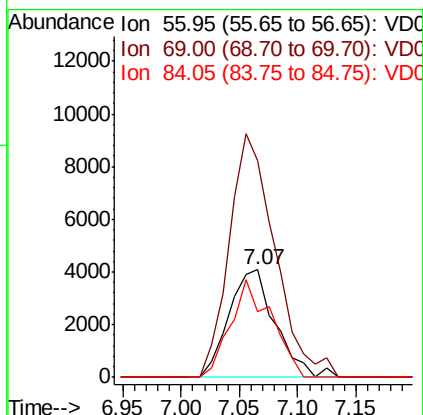
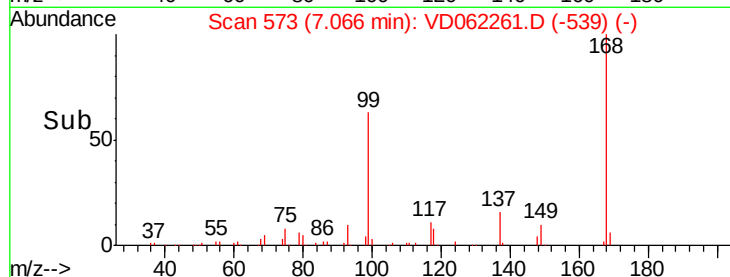
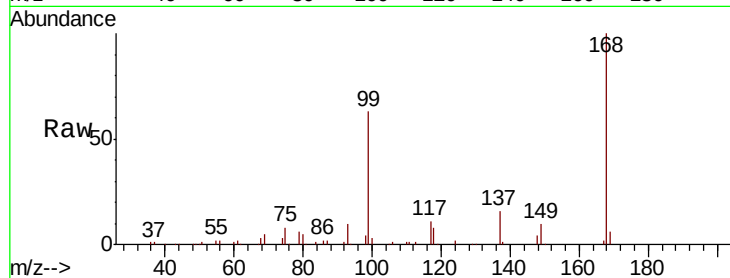
Tot Ion: 56 Resp: 11261

Ion Ratio Lower Upper

56 100

69 202.4 25.8 38.6#

84 61.4 72.2 108.4#



#33

1,2-Dichloroethane-d4

Concen: 52.312 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062261.D

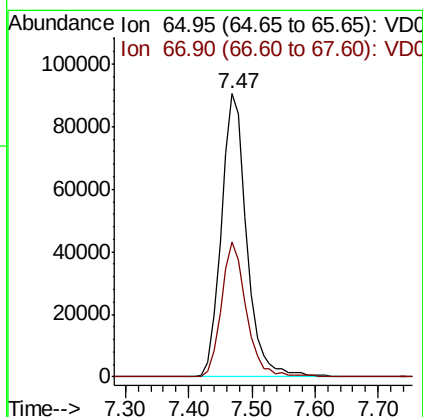
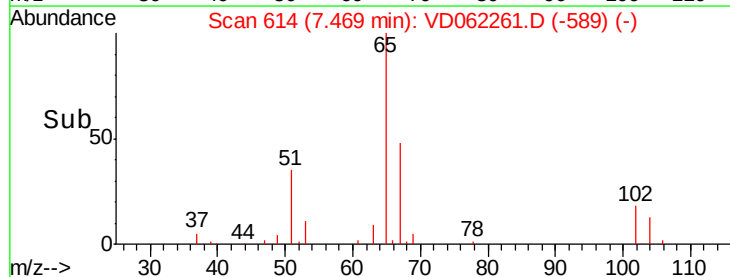
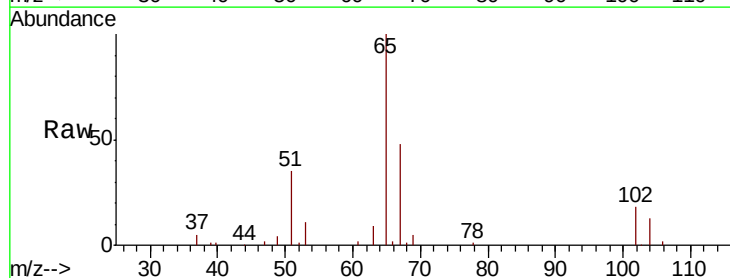
Acq: 12 May 2019 16:14

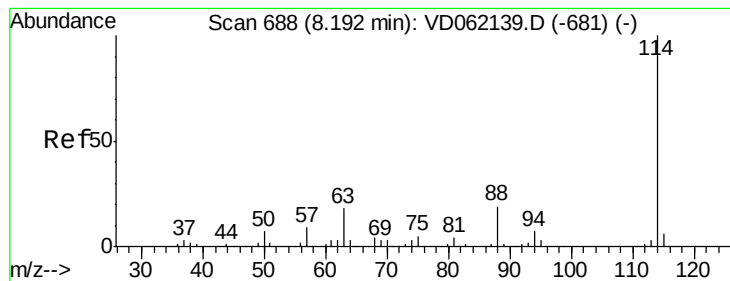
Tgt Ion: 65 Resp: 251660

Ion Ratio Lower Upper

65 100

67 47.6 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

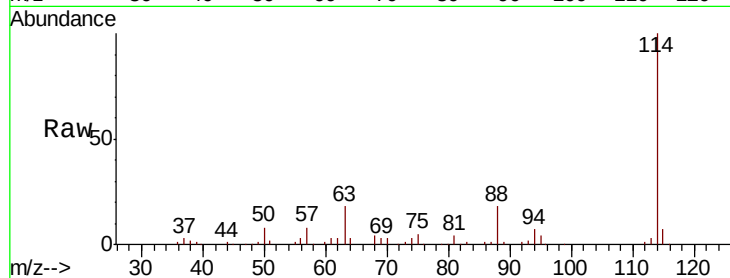
Tot Ion:114 Resp: 771344

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

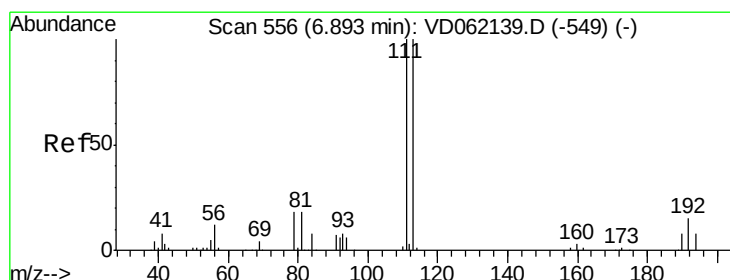
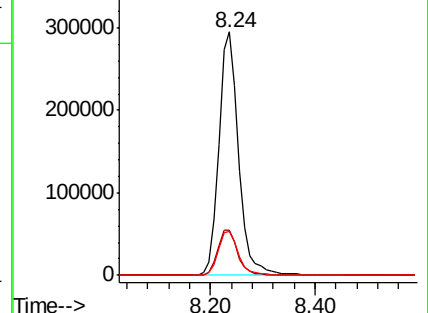
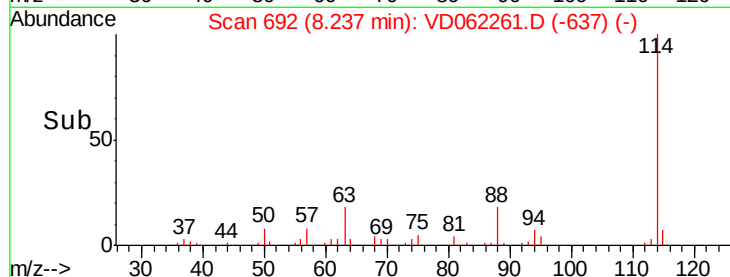
88 18.2 0.0 33.6



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: 48.421 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

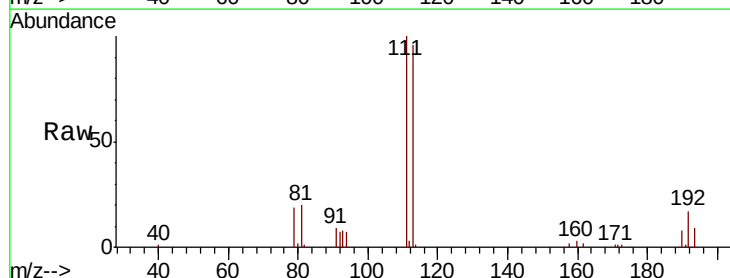
Tgt Ion:113 Resp: 309894

Ion Ratio Lower Upper

113 100

111 104.0 78.5 117.7

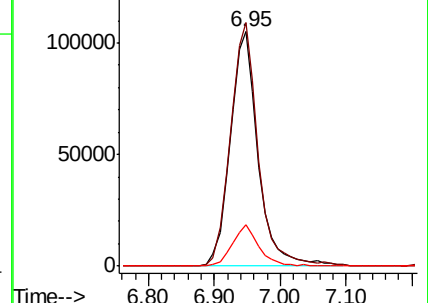
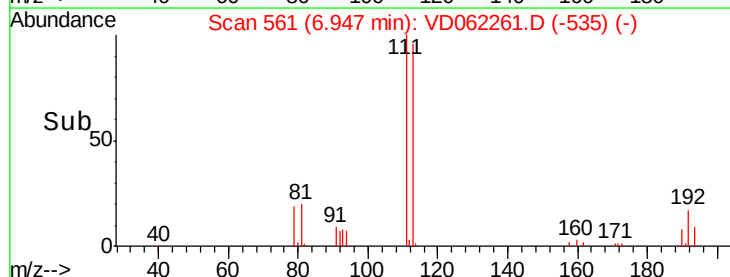
192 17.8 13.0 19.4

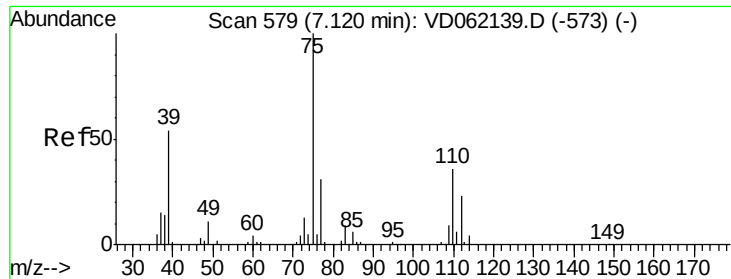


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

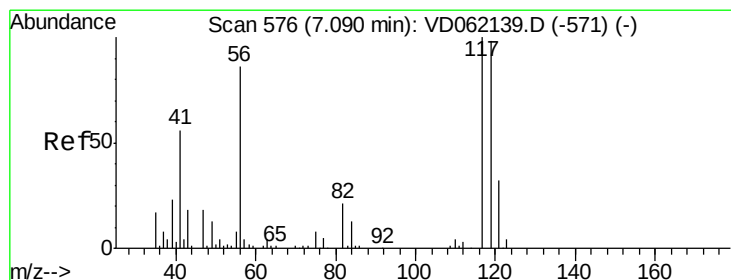
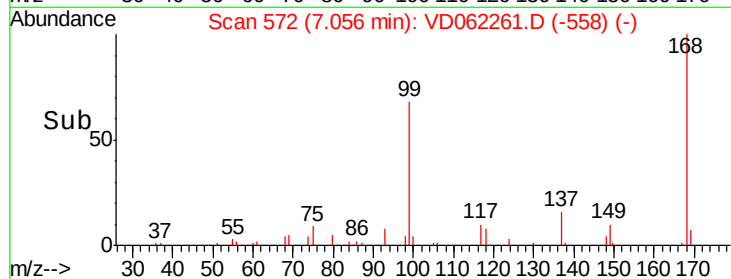
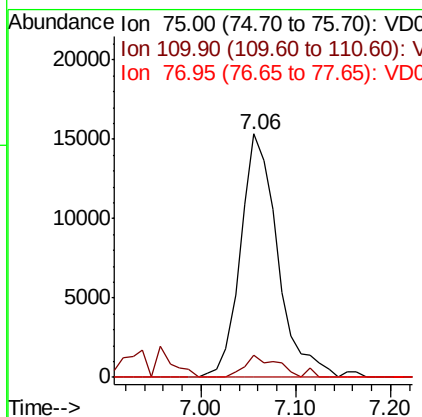
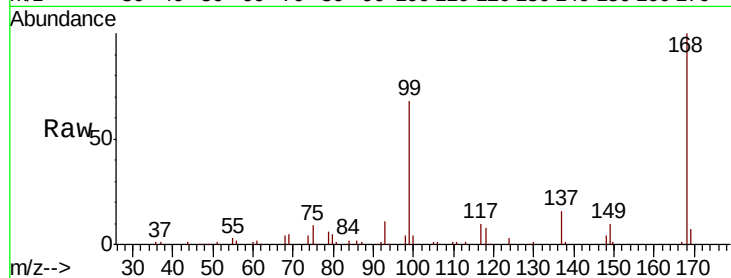




#36
 1,1-Dichloropropene
 Concen: 6.594 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062261.D
 Acq: 12 May 2019 16:14

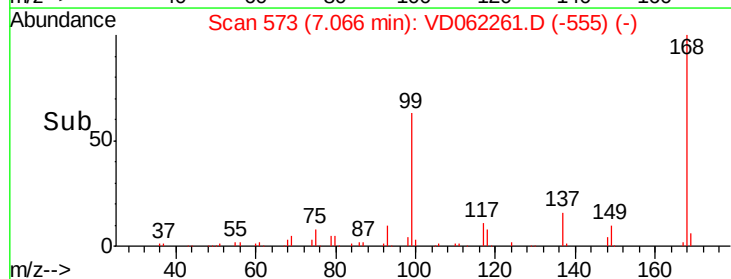
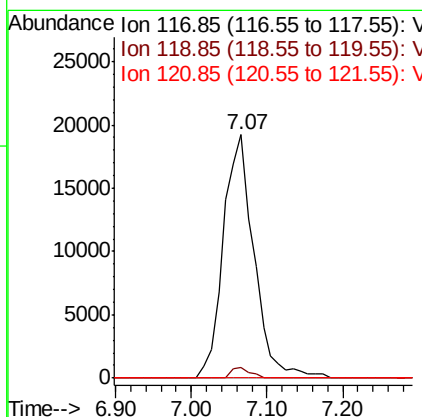
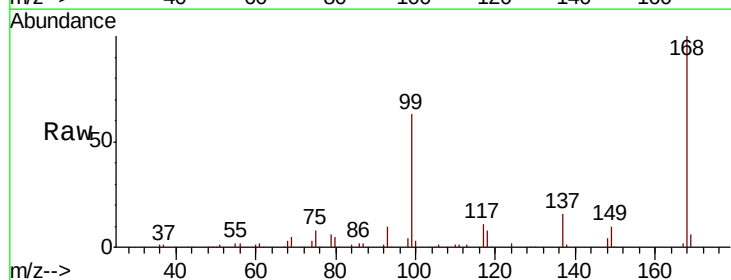
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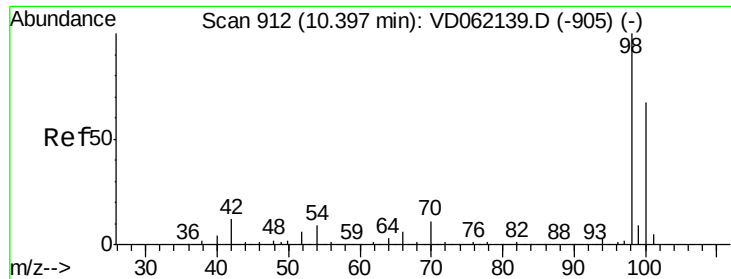
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.178 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062261.D
 Acq: 12 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.8#
121	0.0	25.9	38.9#

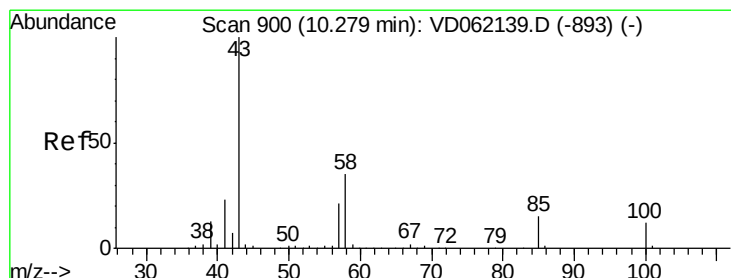
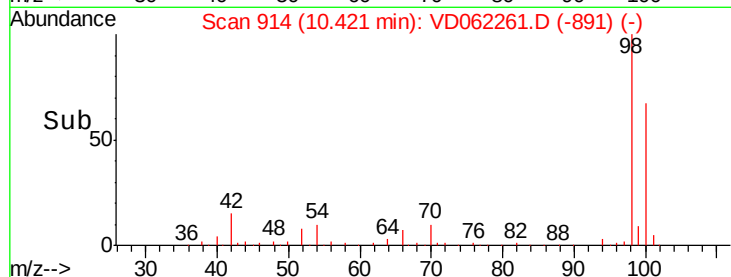
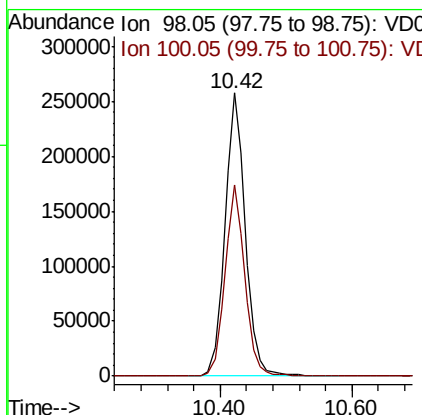
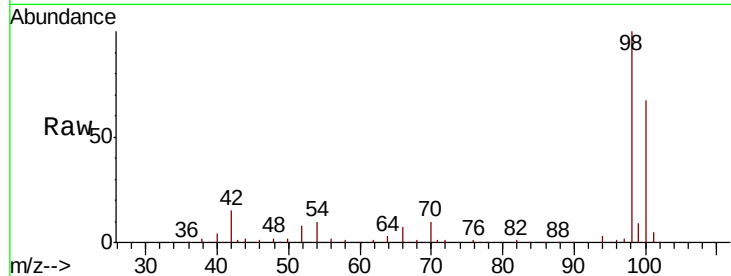




#50
Toluene-d8
Concen: 35.942 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062261.D
Acq: 12 May 2019 16:14

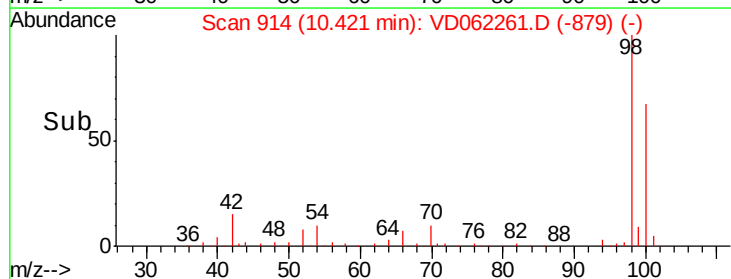
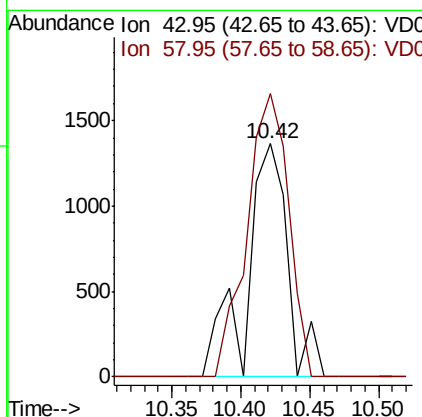
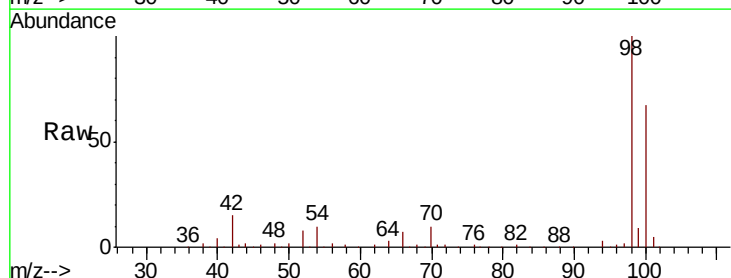
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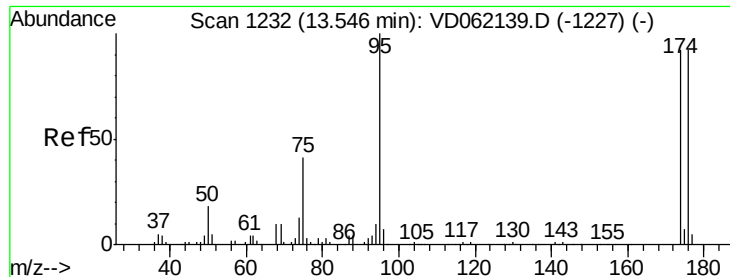
Tot Ion: 98 Resp: 554604
Ion Ratio Lower Upper
98 100
100 67.4 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.149 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062261.D
Acq: 12 May 2019 16:14

Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 121.3 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 32.031 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

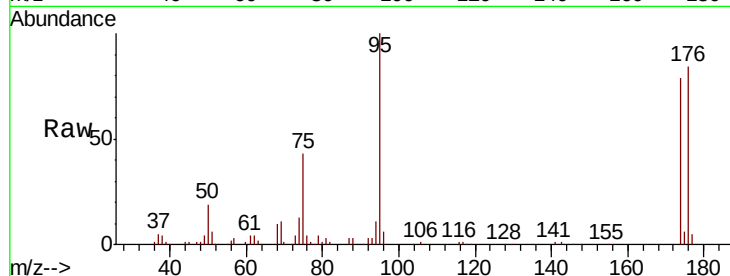
Tot Ion: 95 Resp: 198476

Ion Ratio Lower Upper

95 100

174 79.1 0.0 181.8

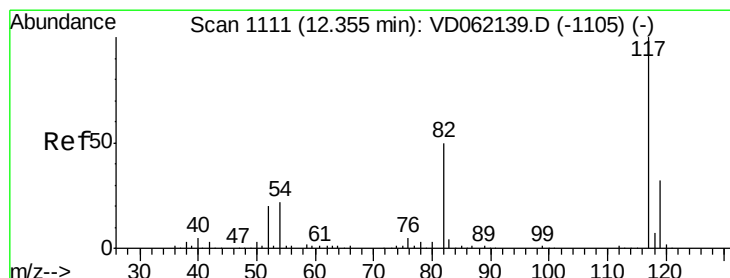
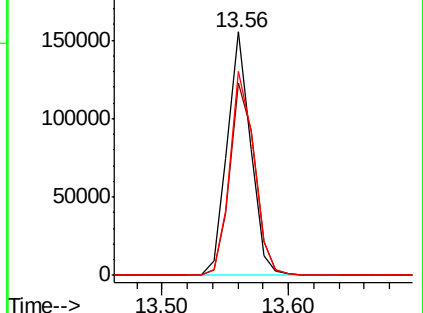
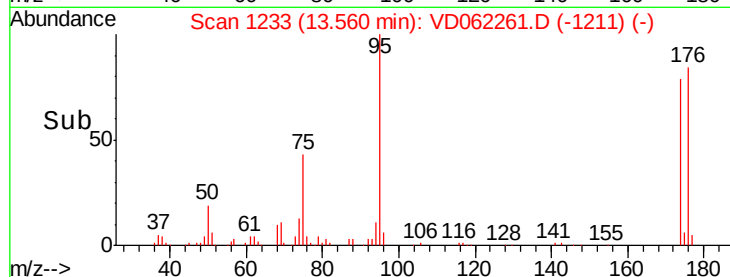
176 83.5 0.0 174.4



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. 0.01 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

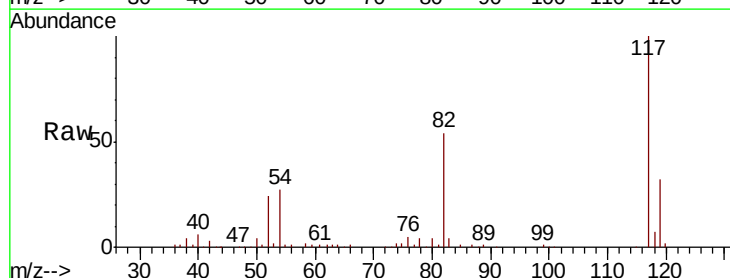
Tgt Ion: 117 Resp: 568956

Ion Ratio Lower Upper

117 100

82 54.4 36.2 54.2#

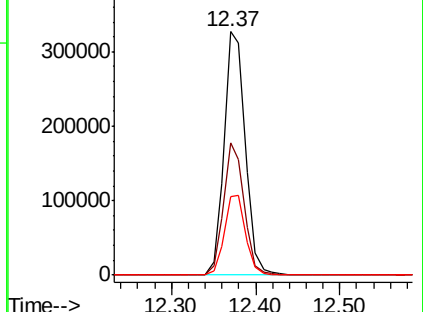
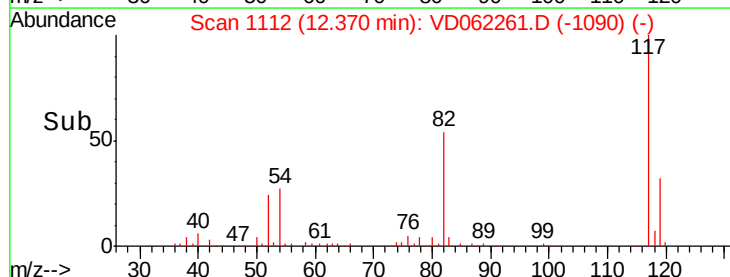
119 32.2 26.2 39.4

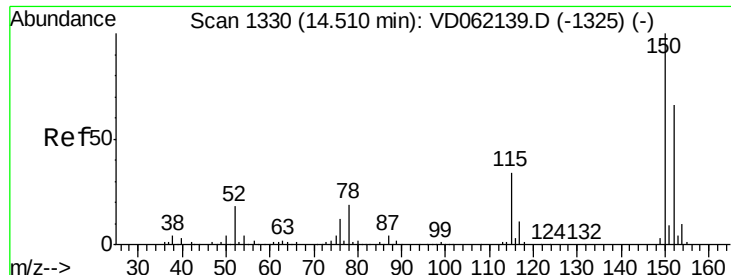


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.01 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

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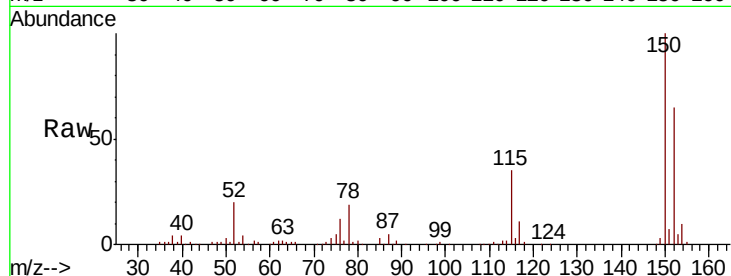
Tot Ion:152 Resp: 193598

Ion Ratio Lower Upper

152 100

115 53.7 30.9 92.7

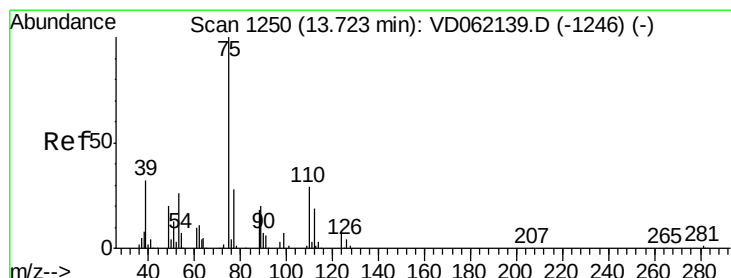
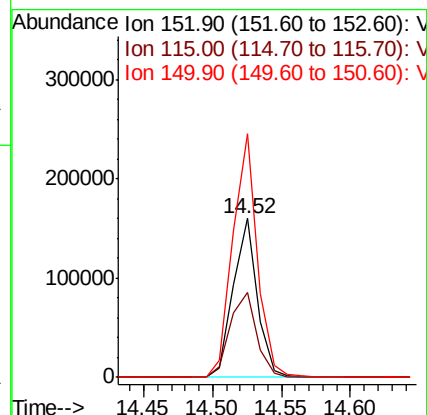
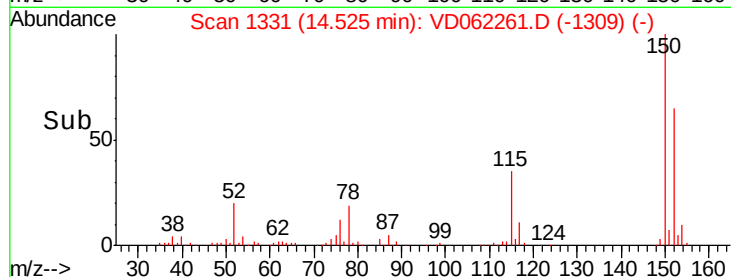
150 153.2 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 36.431 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062261.D

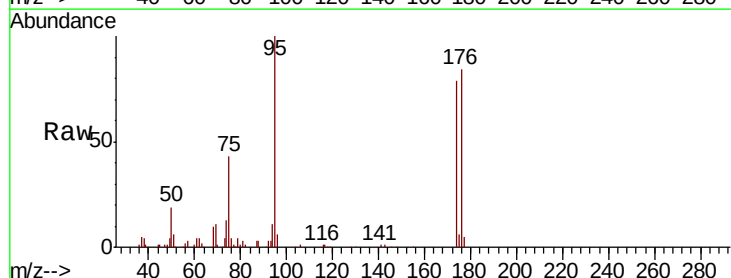
Acq: 12 May 2019 16:14

Tgt Ion: 75 Resp: 83818

Ion Ratio Lower Upper

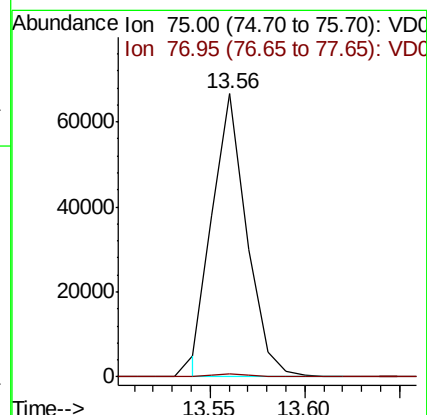
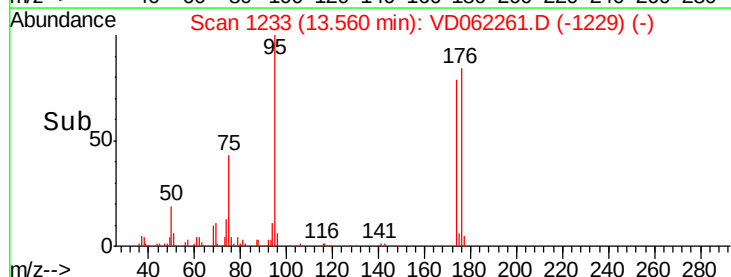
75 100

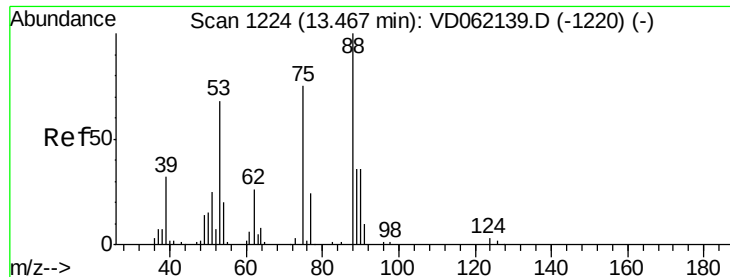
77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 133.430 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062261.D

Acq: 12 May 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

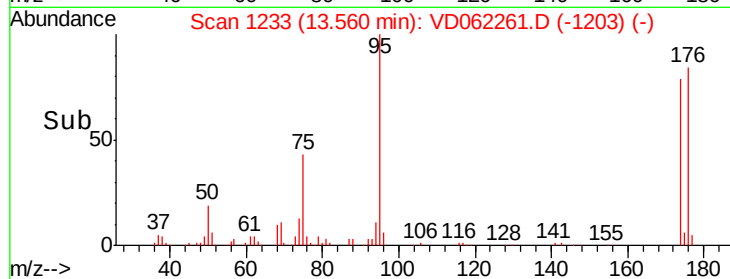
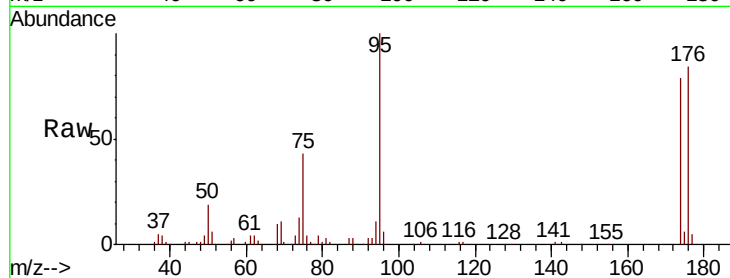
Tot Ion: 75 Resp: 86665

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

