

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062422.D
 Acq On : 16 May 2019 17:25
 Operator : FY/SY
 Sample : K2854-03
 Misc : 6.06g/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(31)

Quant Time: May 17 02:30:18 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	7.05	168	634730	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	957817	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	770055	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	418565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	259052	43.92	ug/l	0.02
Spiked Amount			Recovery	=	87.84%	
35) Dibromofluoromethane	6.93	113	313135	39.40	ug/l	0.03
Spiked Amount			Recovery	=	78.80%	
50) Toluene-d8	10.41	98	675216	35.24	ug/l	0.01
Spiked Amount			Recovery	=	70.48%	
62) 4-Bromofluorobenzene	13.56	95	275203	35.77	ug/l	0.01
Spiked Amount			Recovery	=	71.54%	

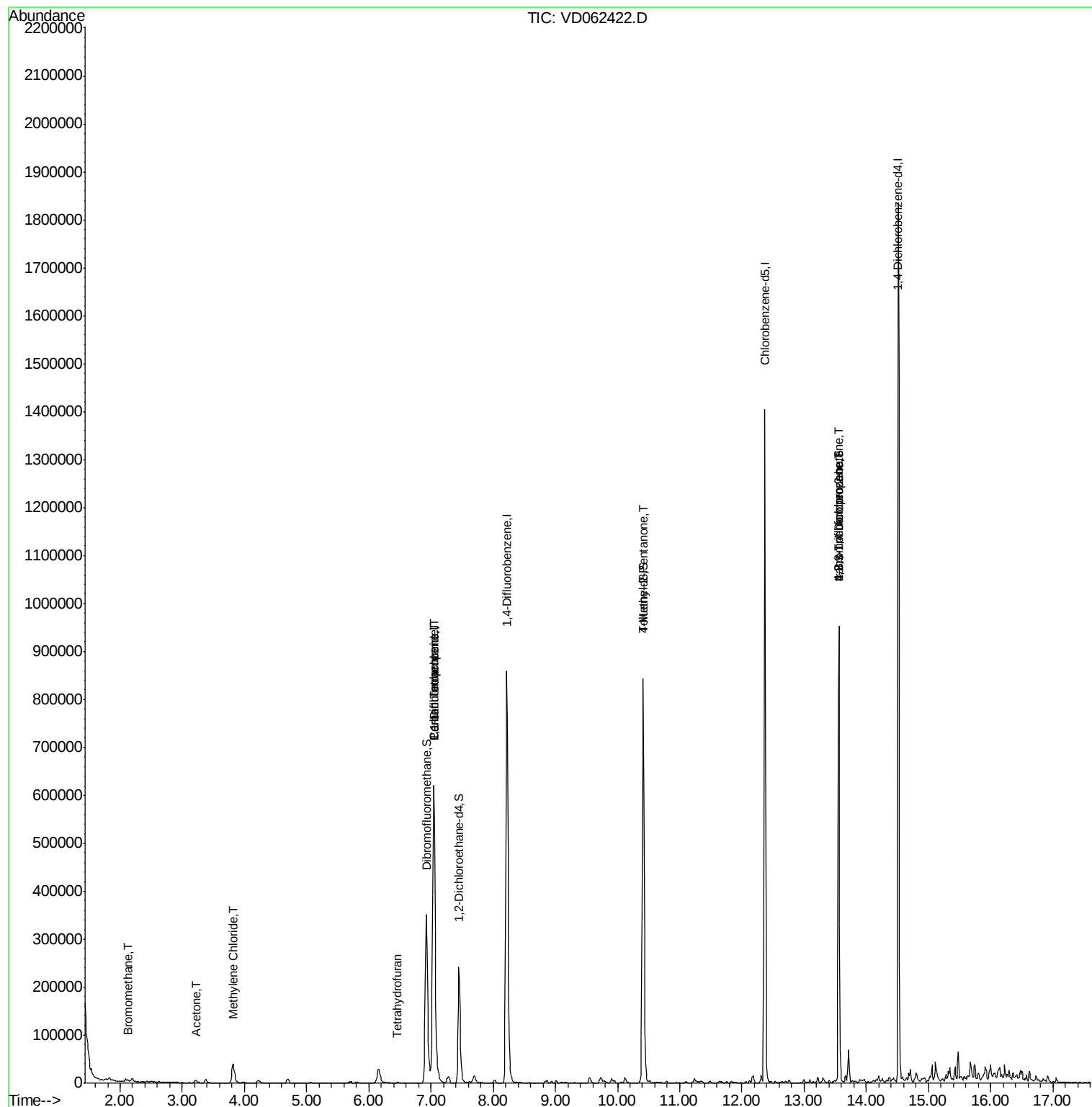
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1568	1.552	ug/l #	12
16) Acetone	3.22	43	10506	8.493	ug/l #	84
18) Methyl Acetate	3.65	43	217	Below Cal	#	53
20) Methylene Chloride	3.82	84	22490	4.354	ug/l	97
29) Tetrahydrofuran	6.46	42	968	1.557	ug/l #	62
36) 1,1-Dichloropropene	7.05	75	48906	6.228	ug/l #	47
38) Carbon Tetrachloride	7.05	117	64326	5.918	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	3484	1.147	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	105965	21.302	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	118502	84.387	ug/l #	16

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

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Quant Time: May 17 02:30:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

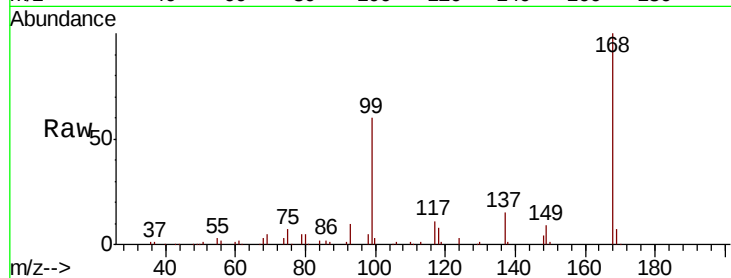
SB-03(31)

Tot Ion:168 Resp: 634730

Ion Ratio Lower Upper

168 100

99 59.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

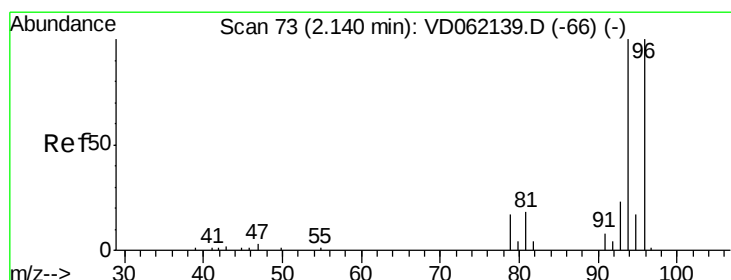
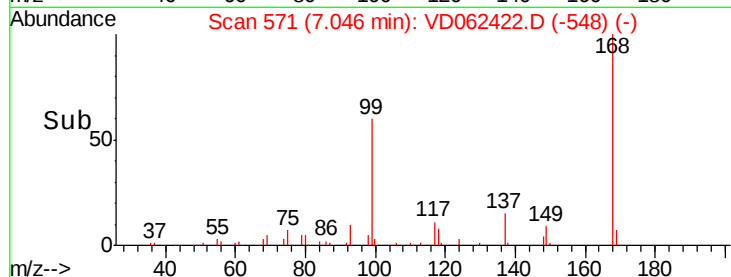
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.552 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

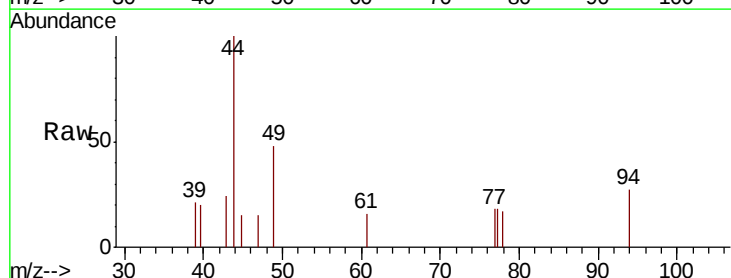
Tgt Ion: 94 Resp: 1568

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

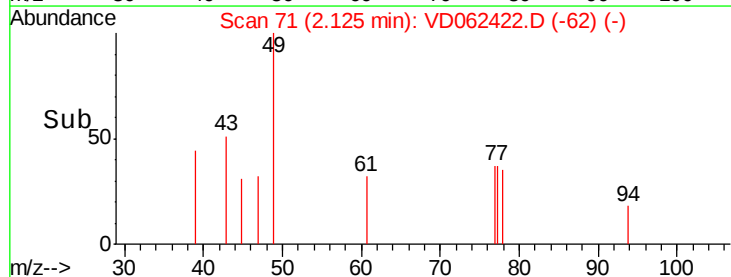
600

400

200

0

Time-->





#16

Acetone

Concen: 8.493 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

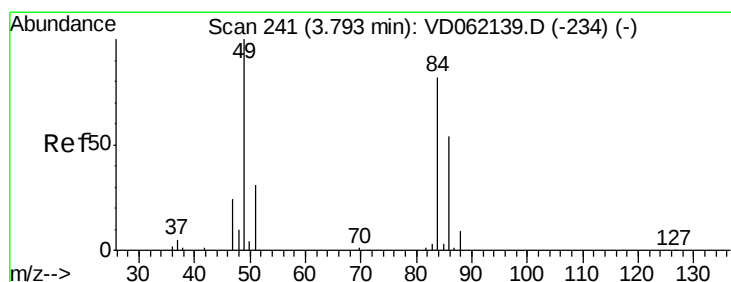
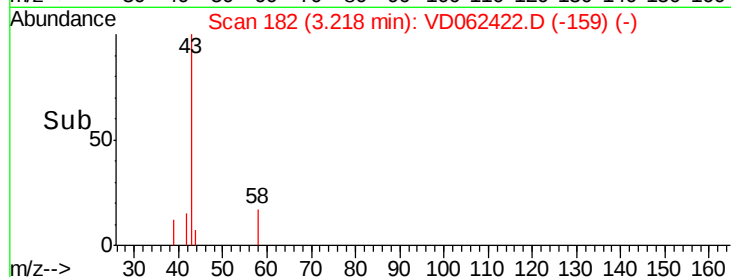
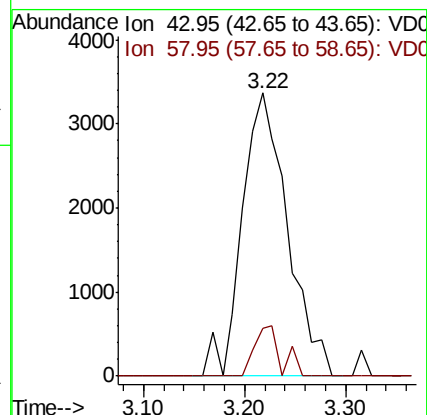
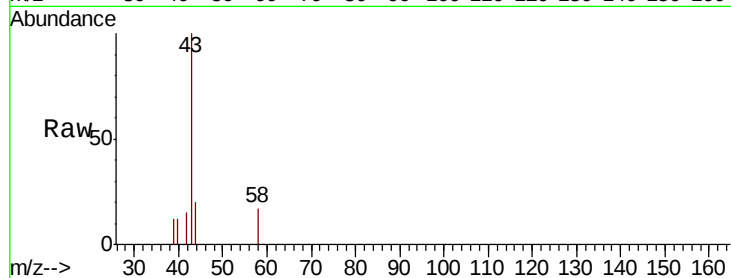
SB-03(31)

Tot Ion: 43 Resp: 10506

Ion Ratio Lower Upper

43 100

58 17.0 19.9 29.9#



#20

Methylene Chloride

Concen: 4.354 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Tgt Ion: 84 Resp: 22490

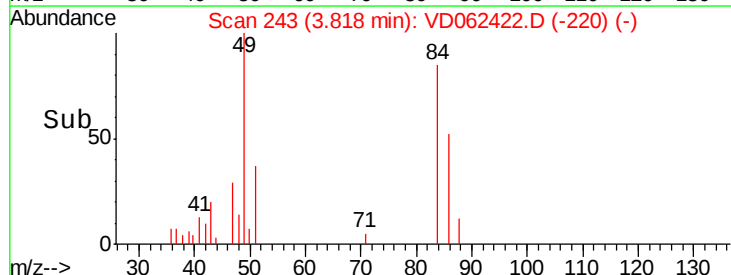
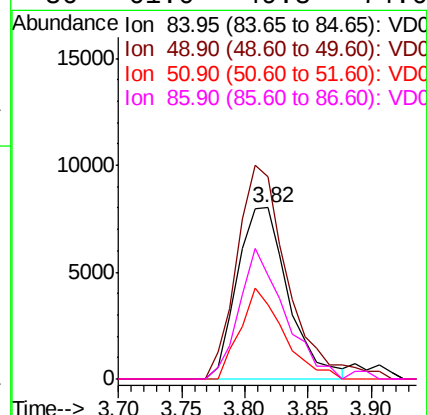
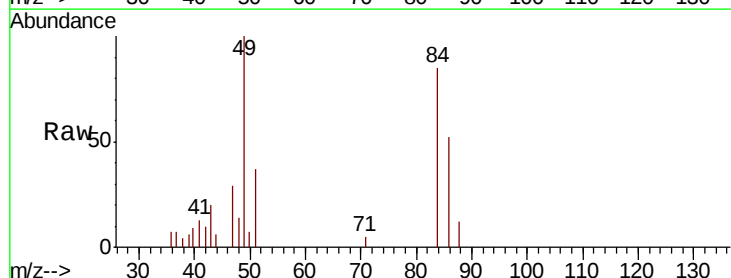
Ion Ratio Lower Upper

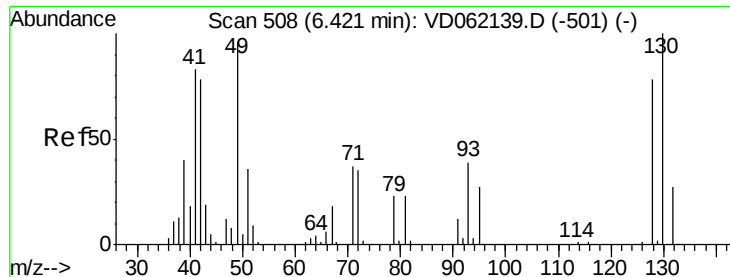
84 100

49 118.1 94.0 141.0

51 43.2 29.0 43.4

86 61.0 49.8 74.6





#29

Tetrahydrofuran

Concen: 1.557 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

SB-03(31)

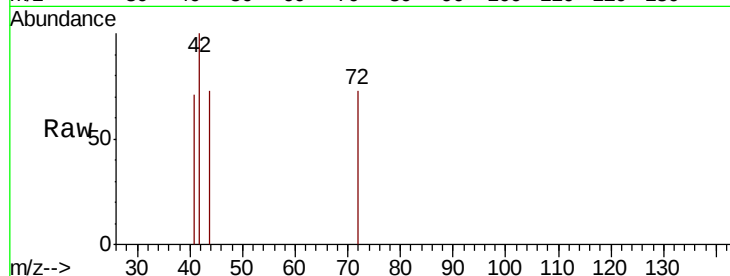
Tot Ion: 42 Resp: 968

Ion Ratio Lower Upper

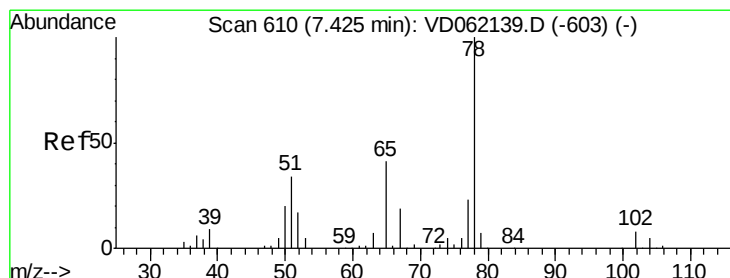
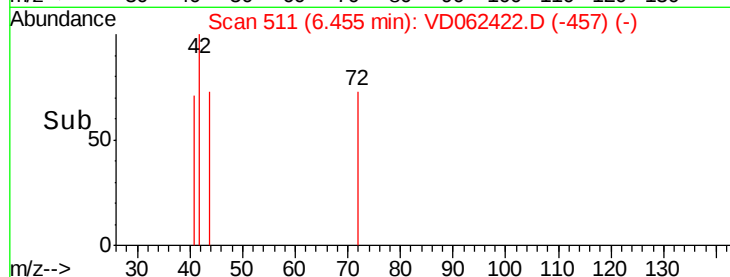
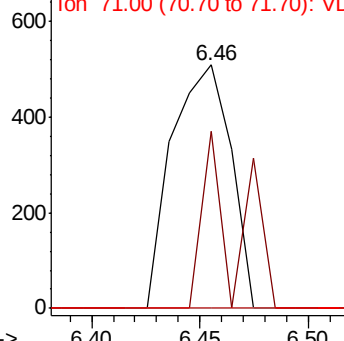
42 100

72 41.7 37.8 56.6

71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 43.917 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062422.D

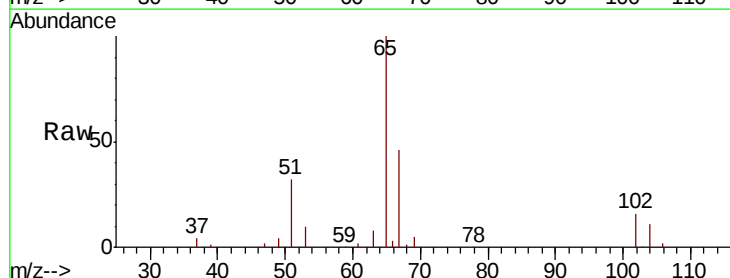
Acq: 16 May 2019 17:25

Tgt Ion: 65 Resp: 259052

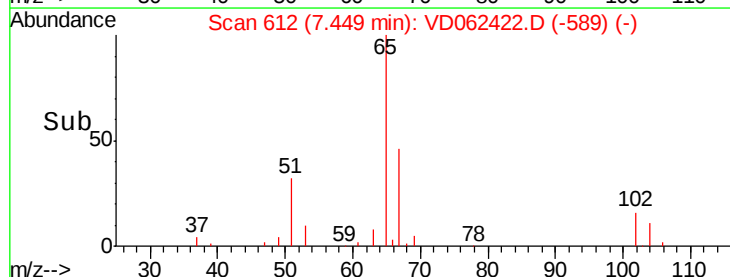
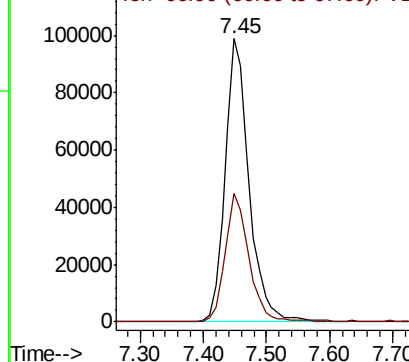
Ion Ratio Lower Upper

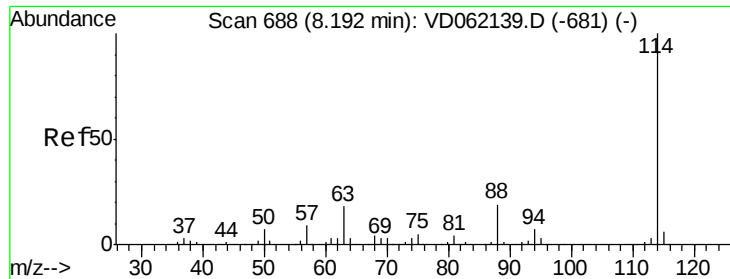
65 100

67 45.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

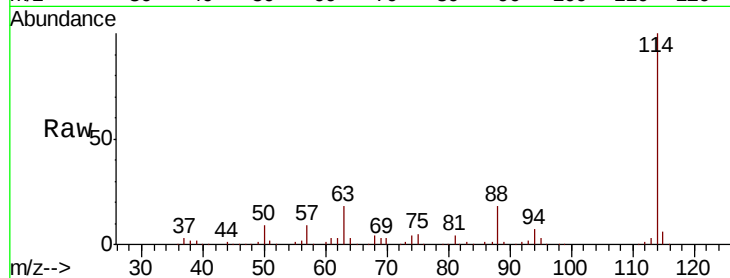




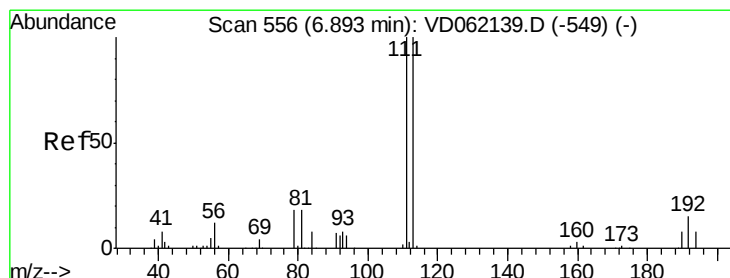
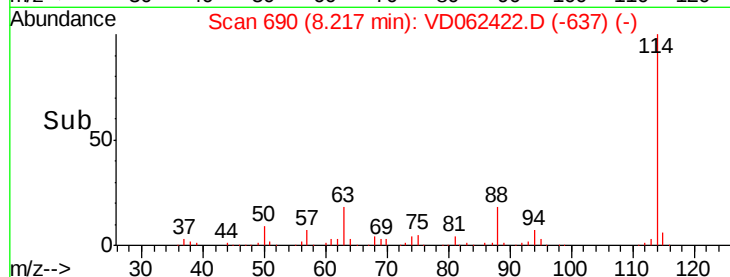
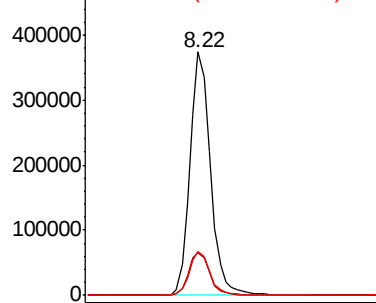
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062422.D
 Acq: 16 May 2019 17:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03(31)

Tot Ion:114 Resp: 957817
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 32.4
 88 18.1 0.0 33.6

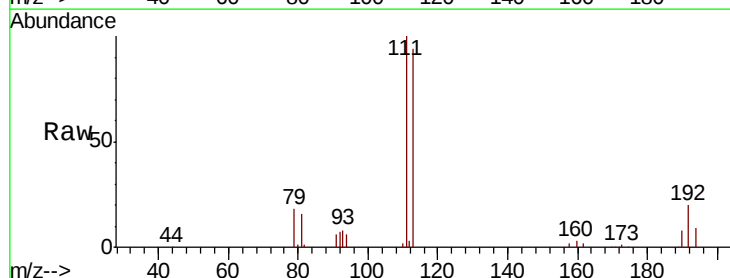


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

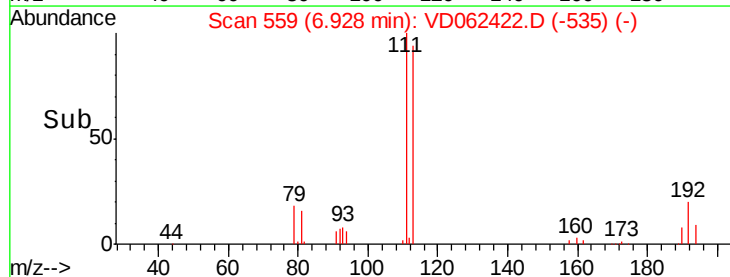
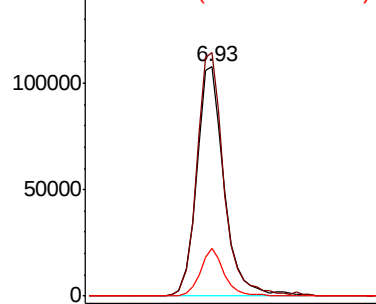


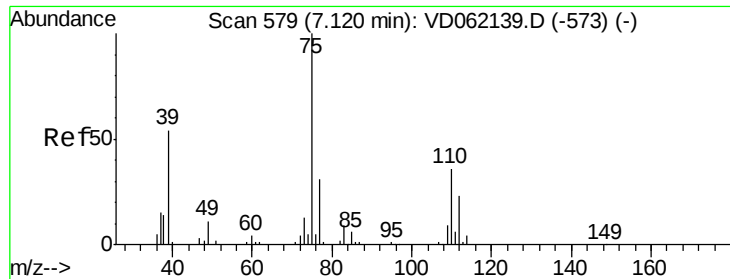
#35
 Dibromofluoromethane
 Concen: 39.402 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062422.D
 Acq: 16 May 2019 17:25

Tgt Ion:113 Resp: 313135
 Ion Ratio Lower Upper
 113 100
 111 106.3 78.5 117.7
 192 20.7 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: 6.228 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

SB-03(31)

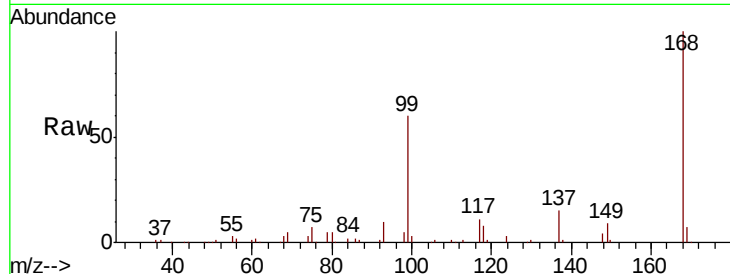
Tot Ion: 75 Resp: 48906

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.1#

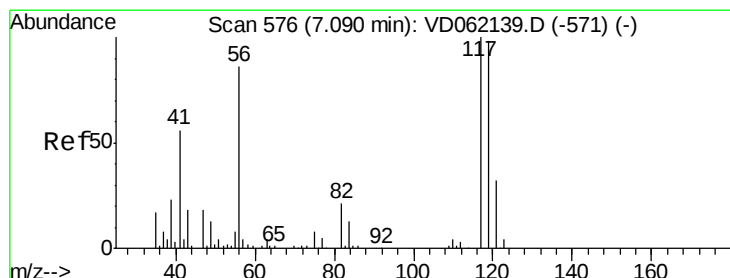
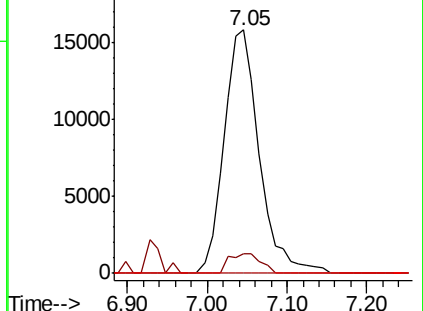
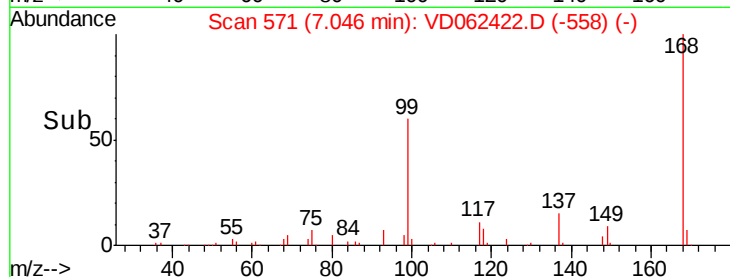
77 0.0 25.6 38.4#



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: 5.918 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

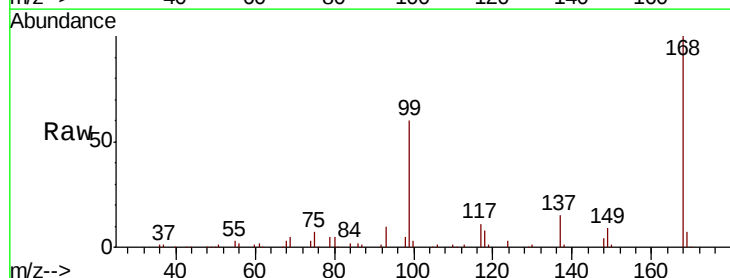
Tgt Ion: 117 Resp: 64326

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

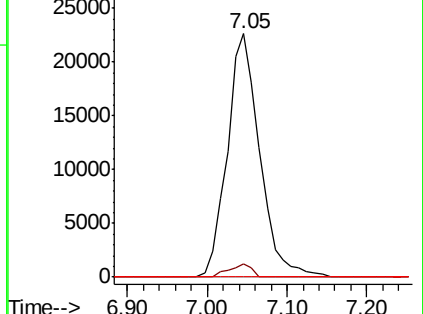
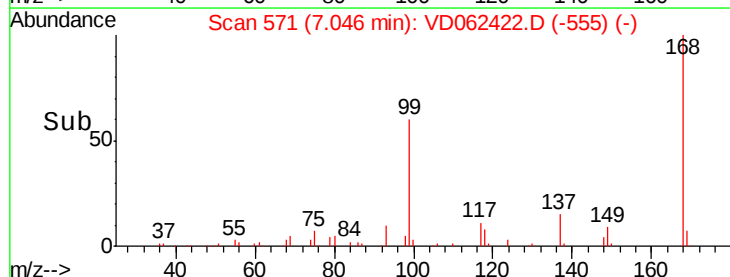
121 0.0 25.9 38.9#

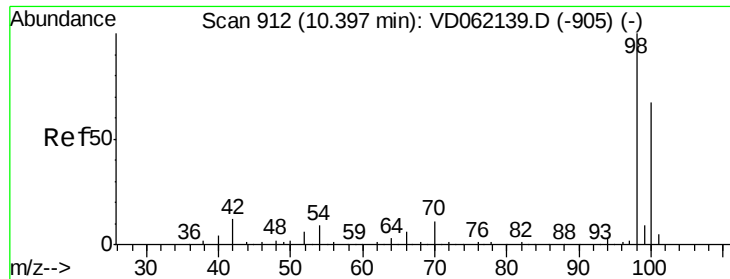


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 35.239 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

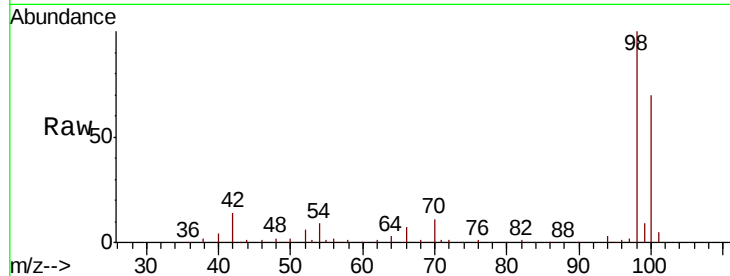
SB-03(31)

Tot Ion: 98 Resp: 675216

Ion Ratio Lower Upper

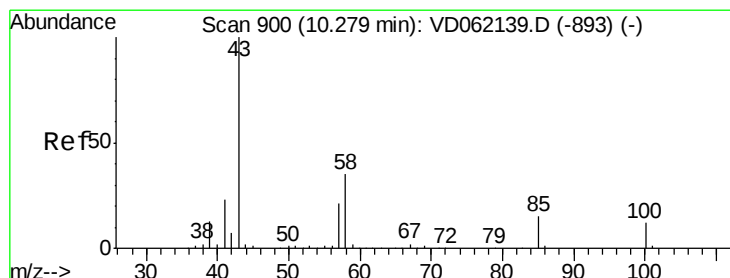
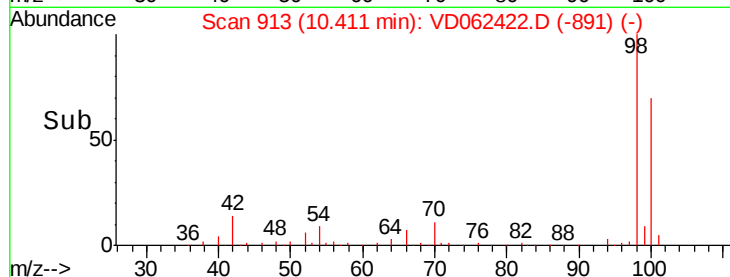
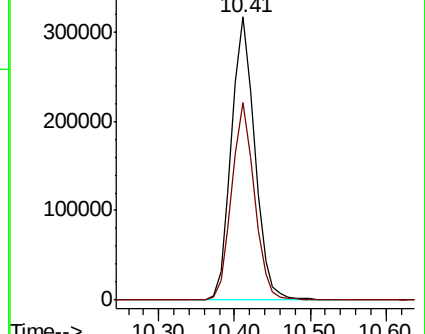
98 100

100 69.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.147 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD062422.D

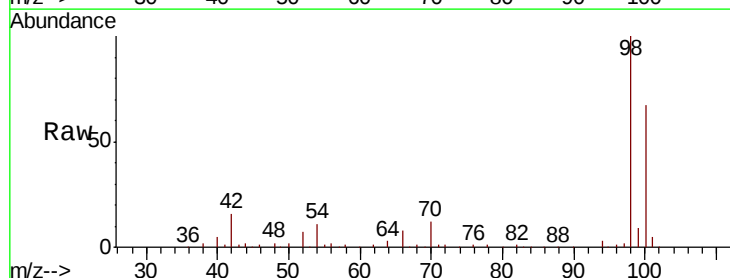
Acq: 16 May 2019 17:25

Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

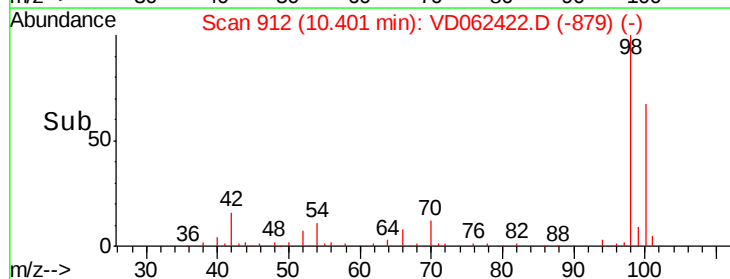
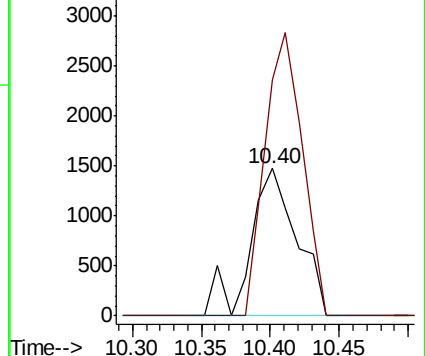
43 100

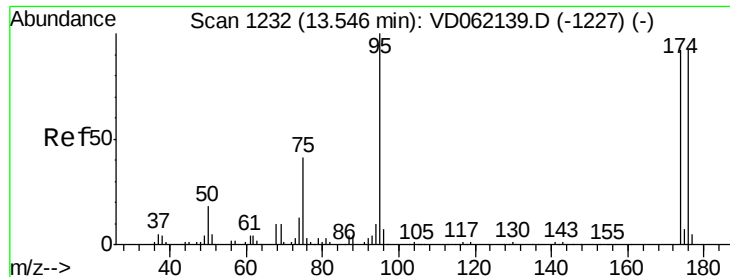
58 160.1 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

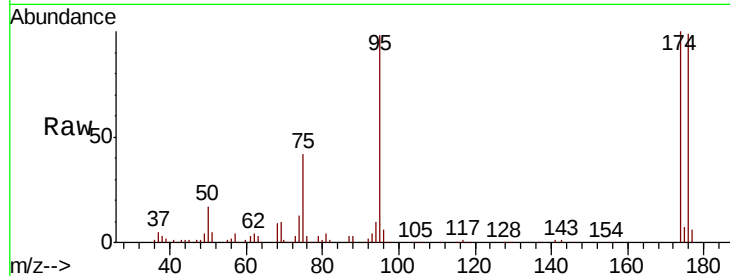




#62
4-Bromofluorobenzene
Concen: 35.767 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062422.D
Acq: 16 May 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
SB-03(31)

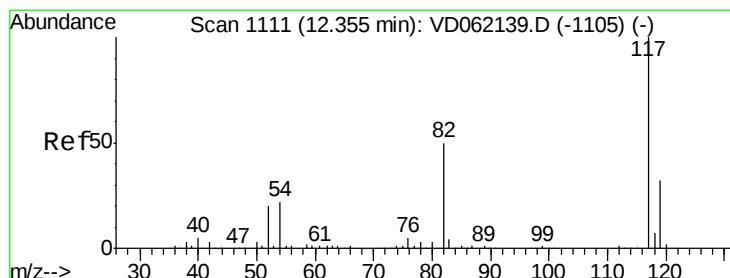
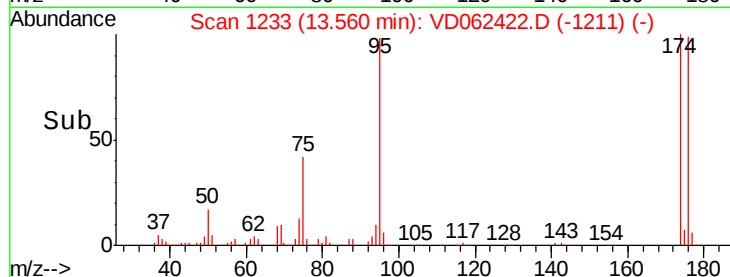
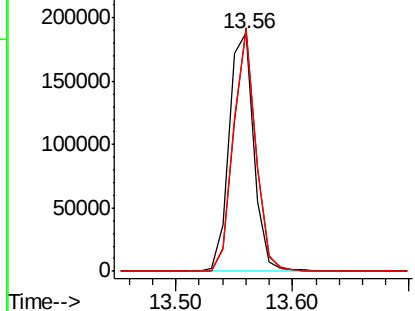
Tot Ion	95	Resp	275203
Ion	Ratio	Lower	Upper
95	100		
174	102.3	0.0	181.8
176	101.1	0.0	174.4



Abundance Ion 95.00 (94.70 to 95.70): V

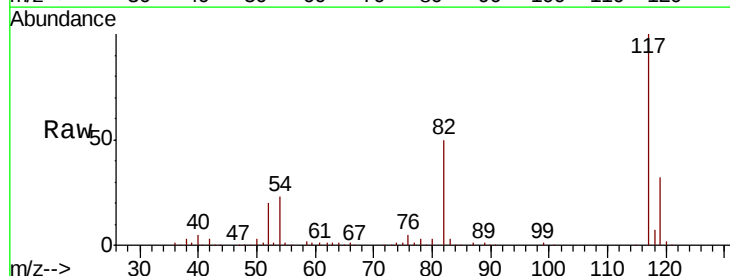
Ion 173.90 (173.60 to 174.60): V

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: VD062422.D
Acq: 16 May 2019 17:25

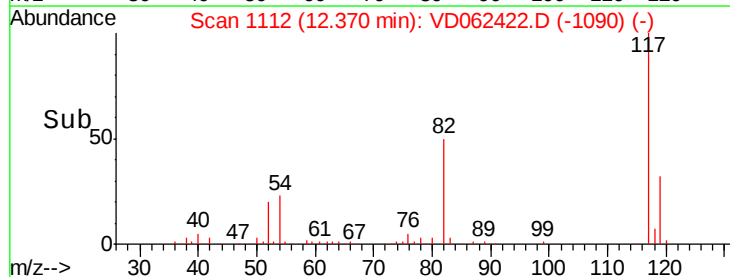
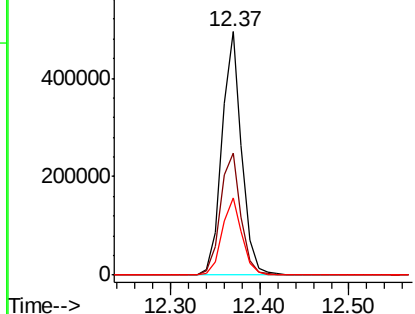
Tgt Ion	117	Resp	770055
Ion	Ratio	Lower	Upper
117	100		
82	50.3	36.2	54.2
119	31.7	26.2	39.4

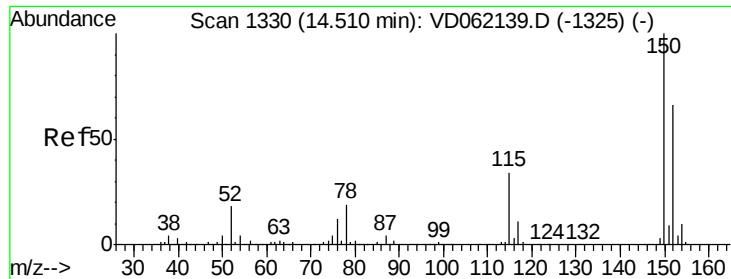


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

SB-03(31)

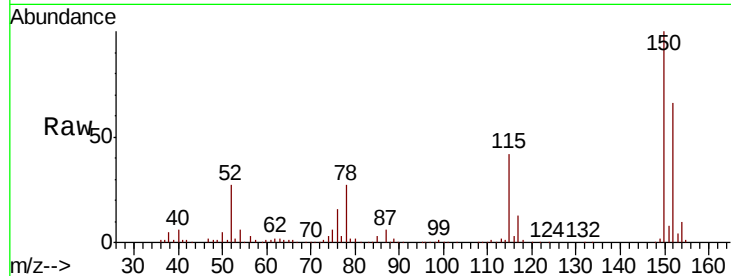
Tot Ion:152 Resp: 418565

Ion Ratio Lower Upper

152 100

115 63.3 30.9 92.7

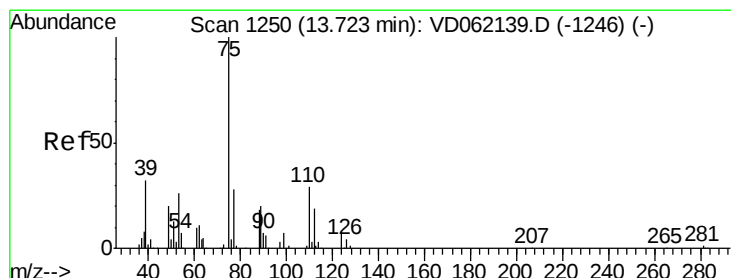
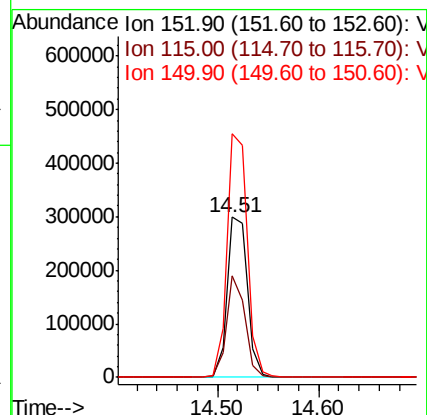
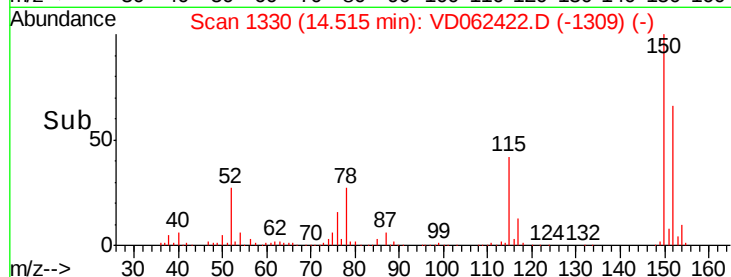
150 152.4 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 21.302 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062422.D

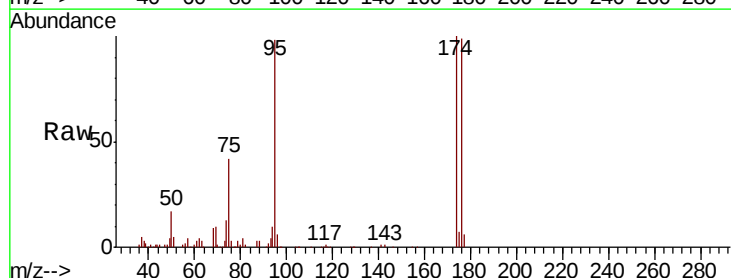
Acq: 16 May 2019 17:25

Tgt Ion: 75 Resp: 105965

Ion Ratio Lower Upper

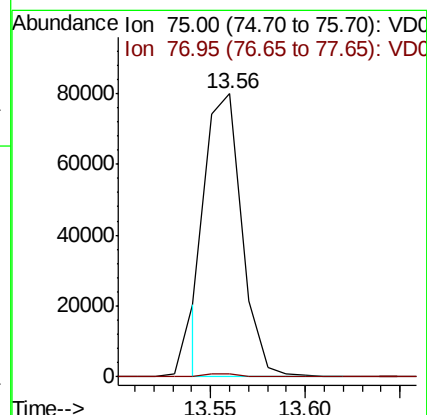
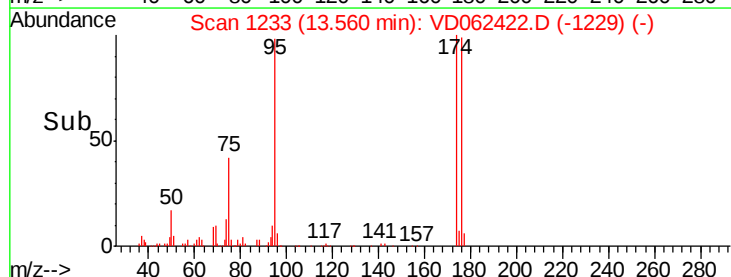
75 100

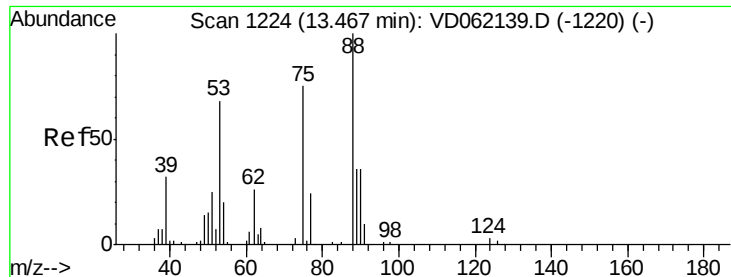
77 1.0 16.4 49.4#



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: 84.387 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062422.D

Acq: 16 May 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

SB-03(31)

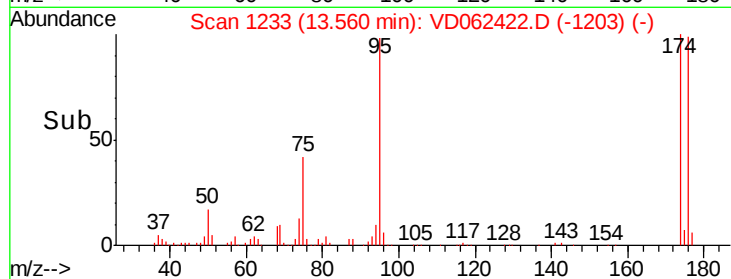
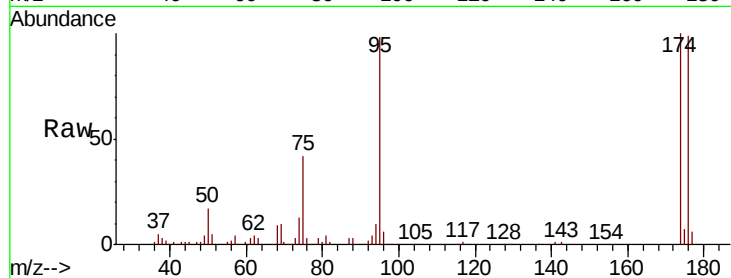
Tot Ion: 75 Resp: 118502

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

