

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062285.D
 Acq On : 13 May 2019 4:41
 Operator : FY/SY
 Sample : K2719-15
 Misc : 3.71g/5mL/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS010-0612-01RE

Quant Time: May 13 08:36:34 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	514112	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	601860	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	400791	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	110641	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	231466	48.45	ug/l	0.04
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	6.95	113	250836	50.23	ug/l	0.05
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.42	98	442590	36.76	ug/l	0.03
Spiked Amount			Recovery	=	73.52%	
62) 4-Bromofluorobenzene	13.56	95	120140	24.85	ug/l	0.02
Spiked Amount			Recovery	=	49.70%	

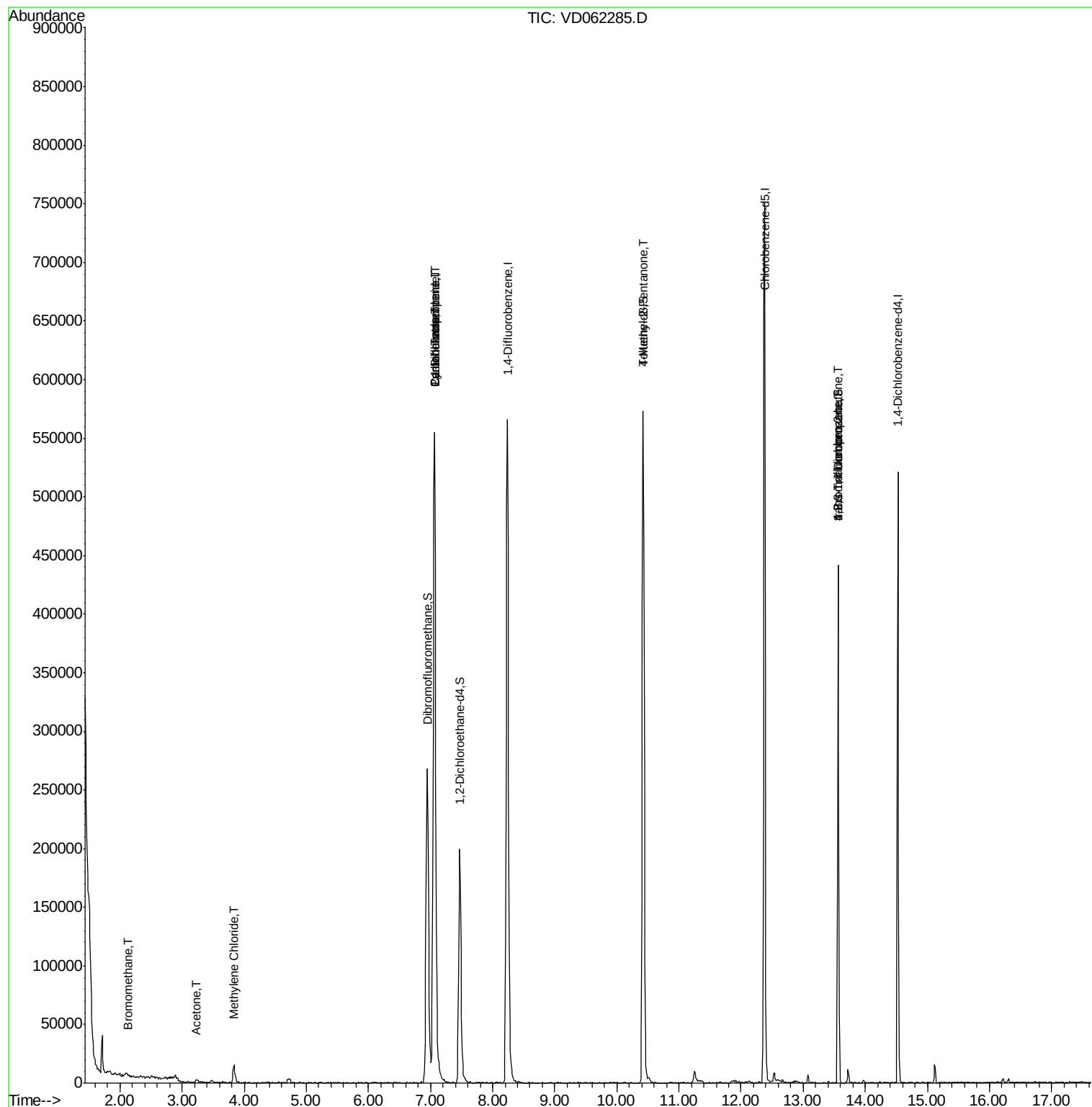
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1056	1.291	ug/l #	12
16) Acetone	3.23	43	4677	4.668	ug/l #	50
18) Methyl Acetate	3.65	43	429	Below Cal	#	53
20) Methylene Chloride	3.84	84	9594	2.293	ug/l	89
31) Cyclohexane	7.06	56	10734	2.141	ug/l #	3
36) 1,1-Dichloropropene	7.07	75	40026	8.111	ug/l #	47
38) Carbon Tetrachloride	7.07	117	53388	7.817	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2909	1.525	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	51247	38.975	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	52409	141.189	ug/l #	16

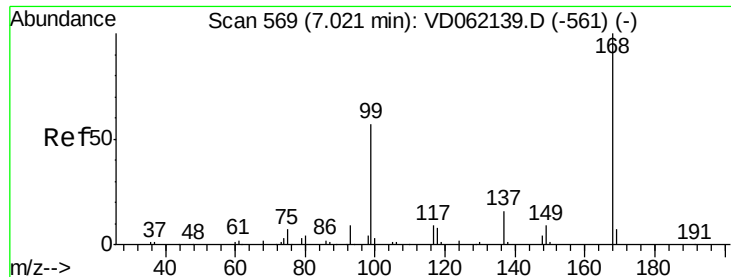
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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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: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

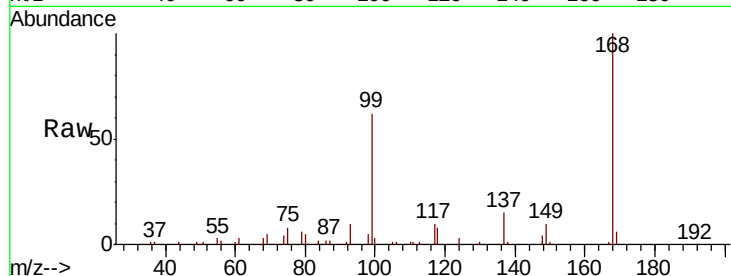
P026-SS010-0612-01RE

Tot Ion:168 Resp: 514112

Ion Ratio Lower Upper

168 100

99 62.0 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

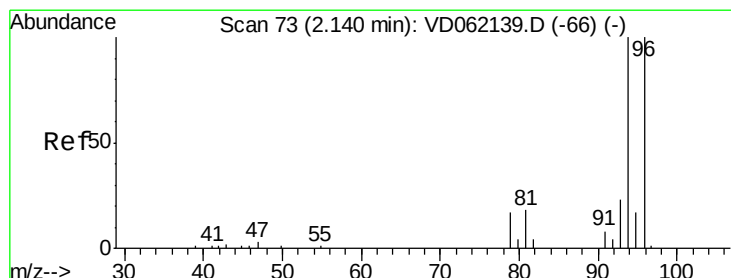
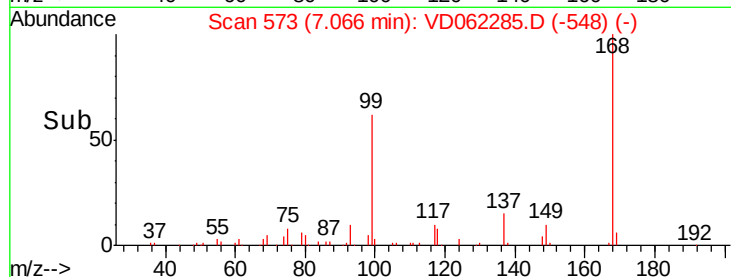
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.291 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

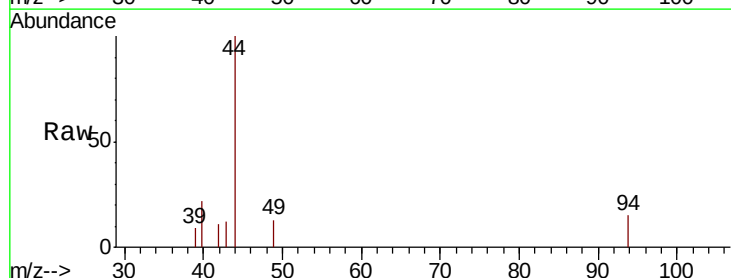
Tgt Ion: 94 Resp: 1056

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

1200

1000

800

600

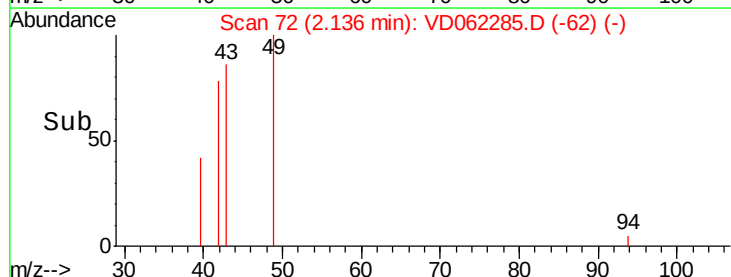
400

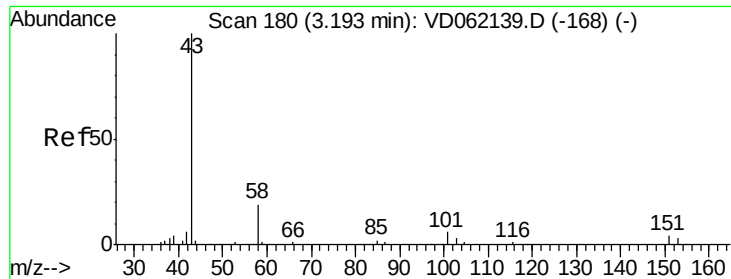
200

0

2.12 2.14 2.16 2.18

Time-->





#16

Acetone

Concen: 4.668 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

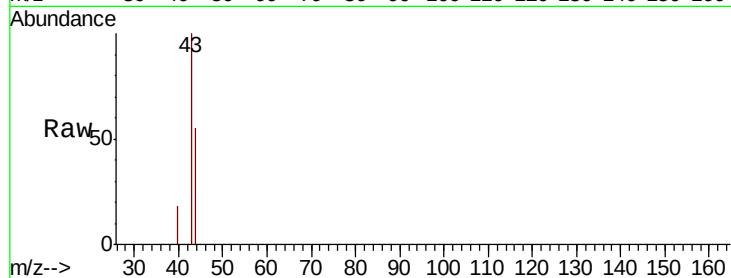
P026-SS010-0612-01RE

Tot Ion: 43 Resp: 4677

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

3.23

2000

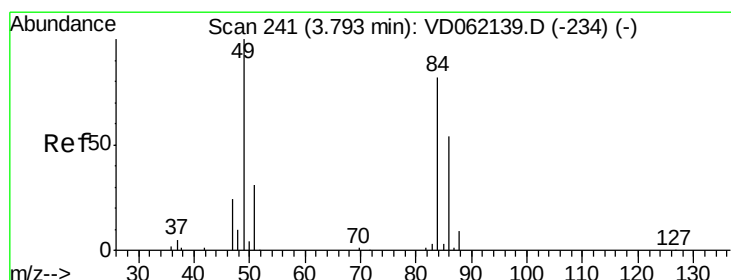
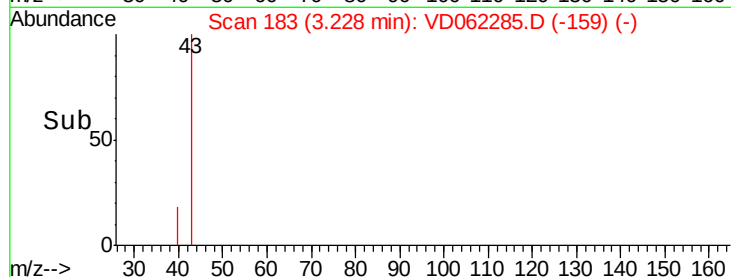
1500

1000

500

0

Time--> 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 2.293 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Tgt Ion: 84 Resp: 9594

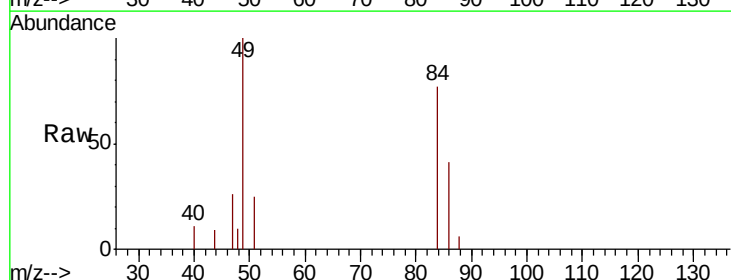
Ion Ratio Lower Upper

84 100

49 129.1 94.0 141.0

51 31.9 29.0 43.4

86 52.7 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

8000

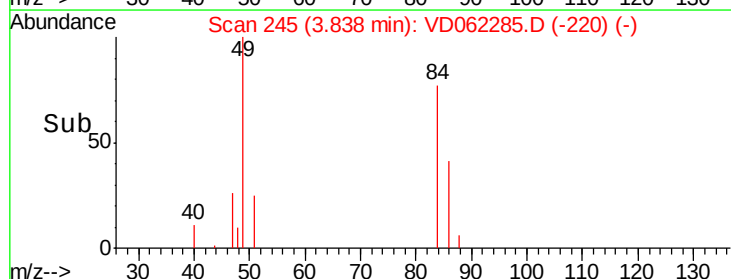
6000

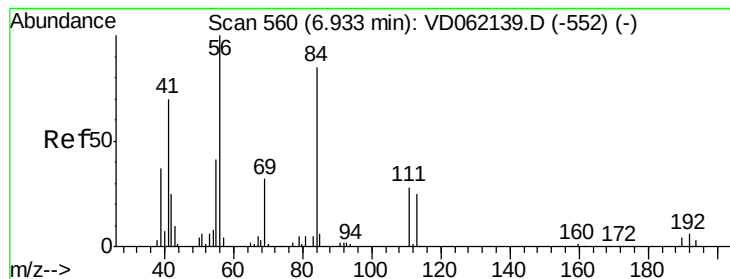
4000

2000

0

Time--> 3.75 3.80 3.85 3.90 3.95





#31

Cyclohexane

Concen: 2.141 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0612-01RE

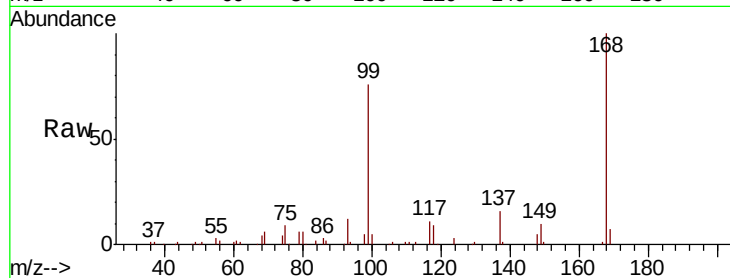
Tot Ion: 56 Resp: 10734

Ion Ratio Lower Upper

56 100

69 234.8 25.8 38.6#

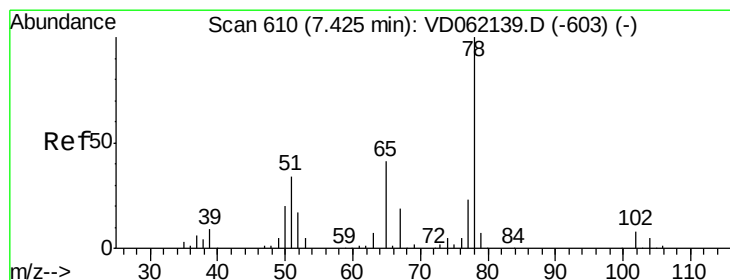
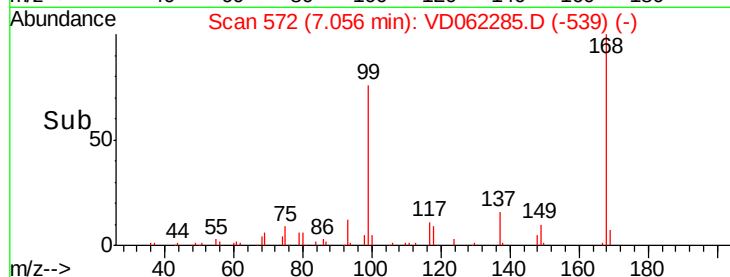
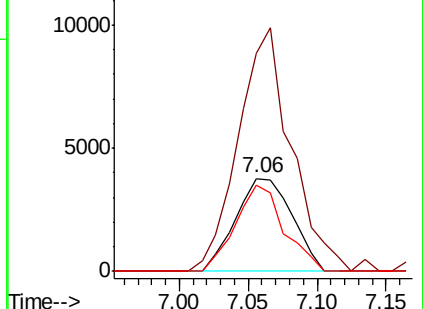
84 93.0 72.2 108.4



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: 48.447 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062285.D

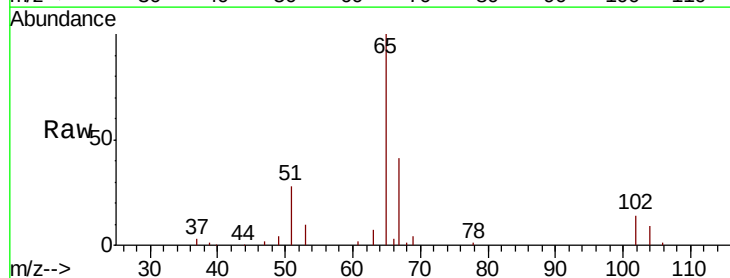
Acq: 13 May 2019 4:41

Tgt Ion: 65 Resp: 231466

Ion Ratio Lower Upper

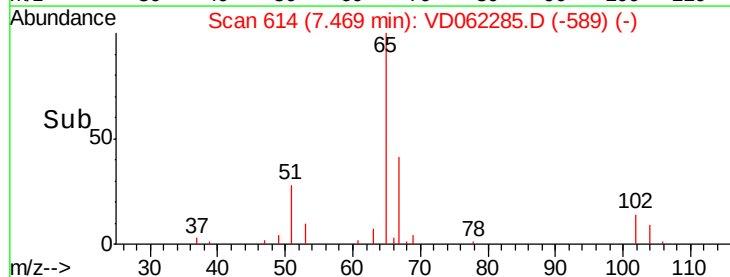
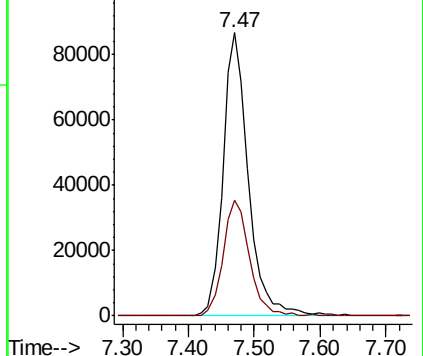
65 100

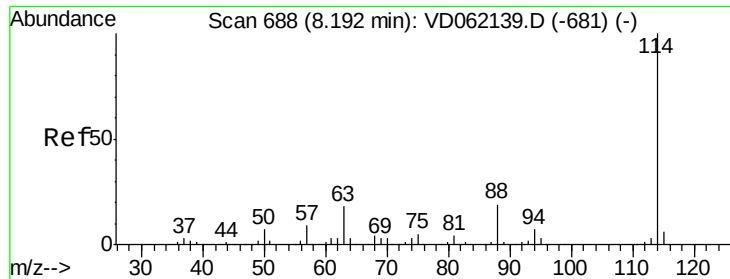
67 40.8 0.0 98.0



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: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0612-01RE

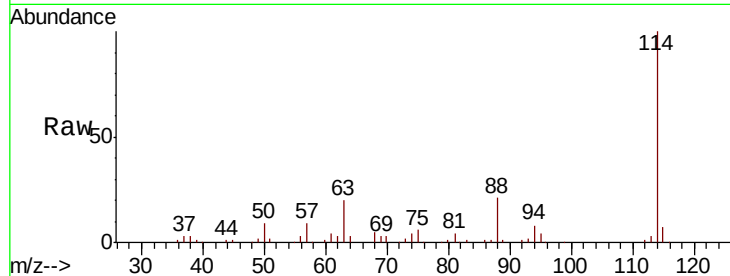
Tot Ion:114 Resp: 601860

Ion Ratio Lower Upper

114 100

63 20.4 0.0 32.4

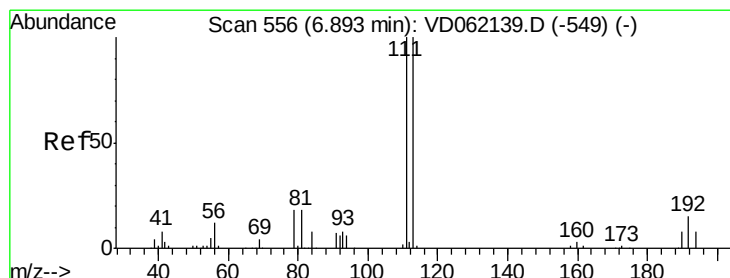
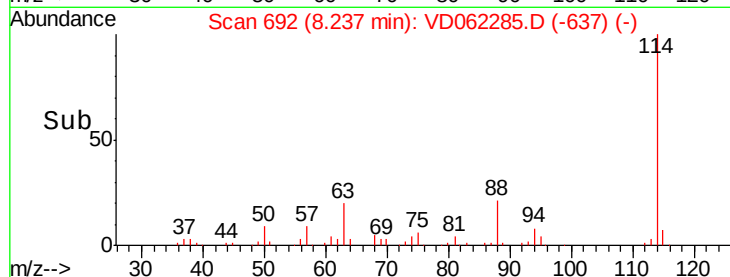
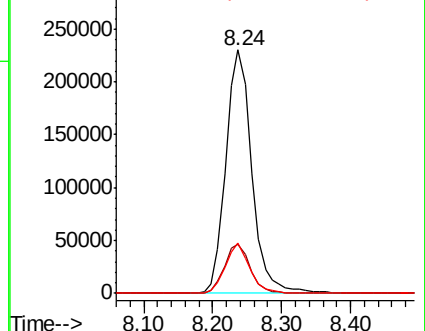
88 20.8 0.0 33.6



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: 50.230 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

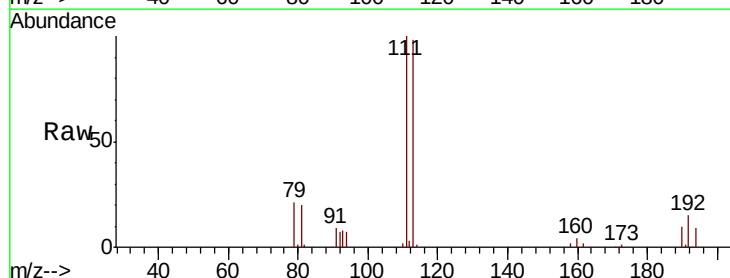
Tgt Ion:113 Resp: 250836

Ion Ratio Lower Upper

113 100

111 102.3 78.5 117.7

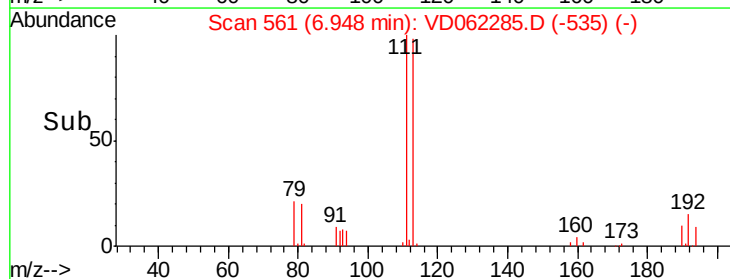
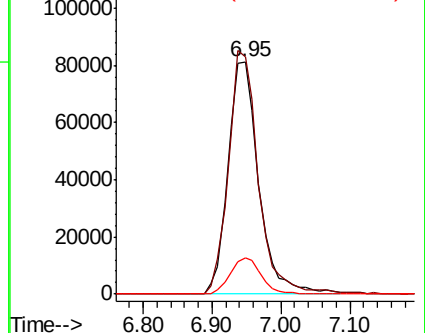
192 15.7 13.0 19.4

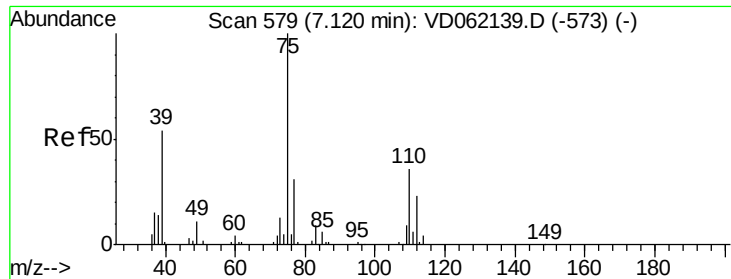


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

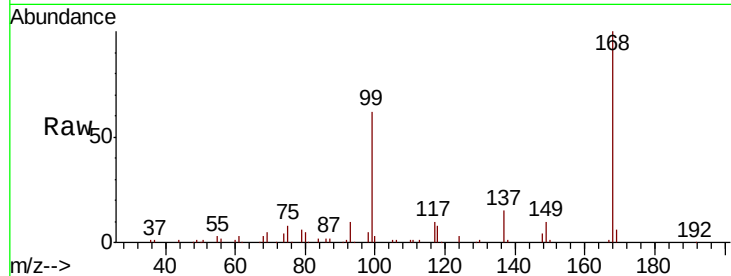




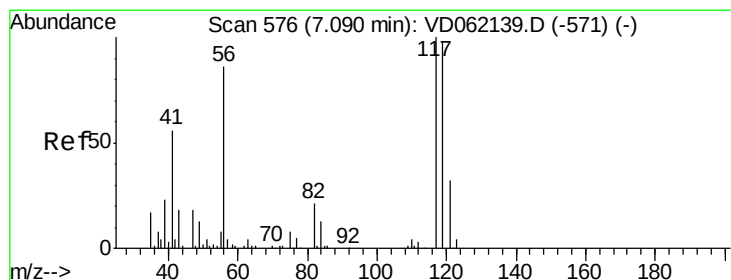
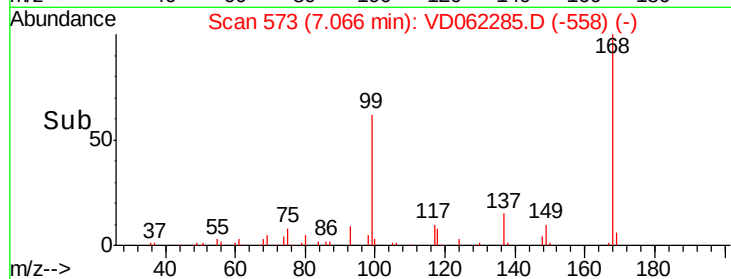
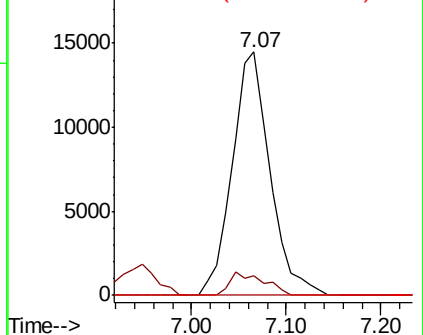
#36
 1,1-Dichloropropene
 Concen: 8.111 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD062285.D
 Acq: 13 May 2019 4:41

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS010-0612-01RE

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	19.1	57.1#
77	0.0	25.6	38.4#

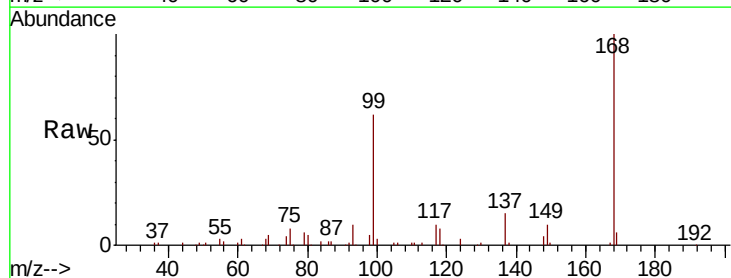


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

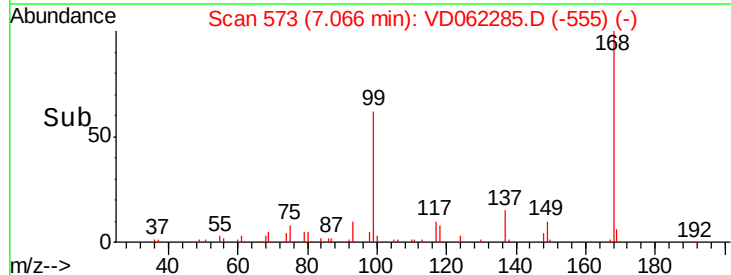
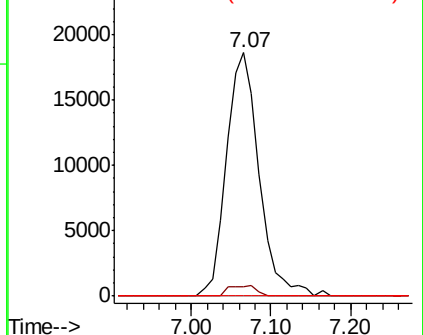


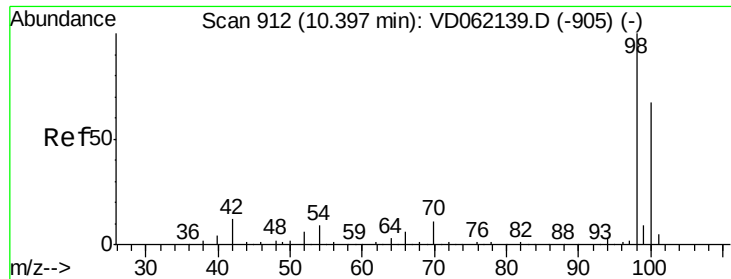
#38
 Carbon Tetrachloride
 Concen: 7.817 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062285.D
 Acq: 13 May 2019 4:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.8	113.8#
121	0.0	25.9	38.9#



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

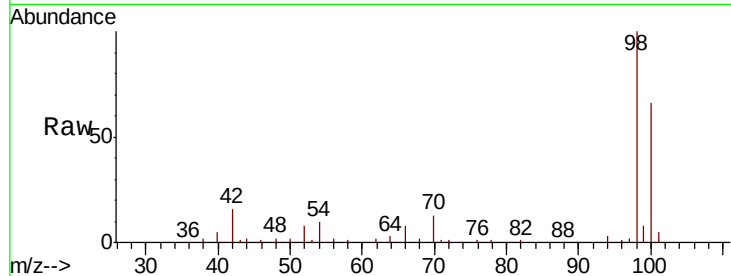




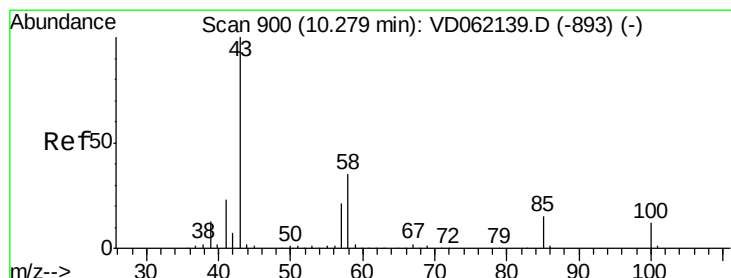
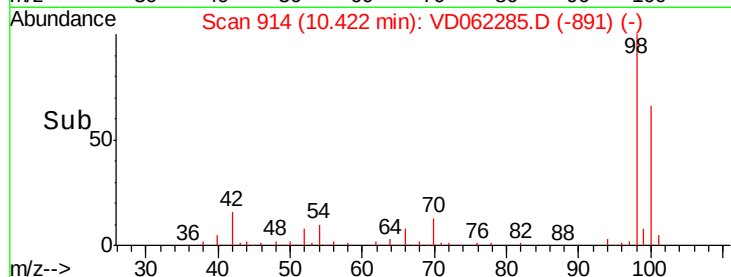
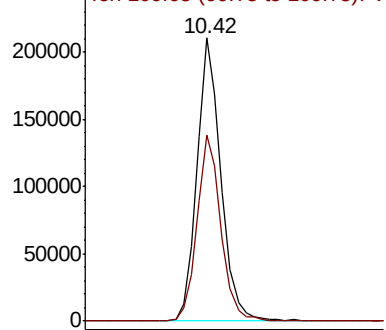
#50
Toluene-d8
Concen: 36.759 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062285.D
Acq: 13 May 2019 4:41

Instrument :
MSVOA_D
ClientSampleId :
P026-SS010-0612-01RE

Tot Ion: 98 Resp: 442590
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.8

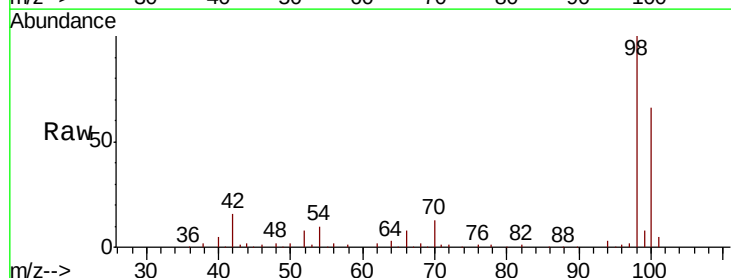


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

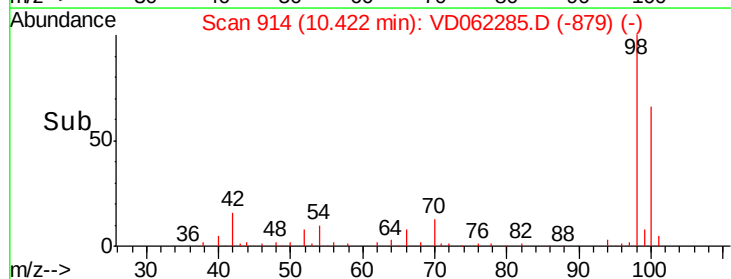
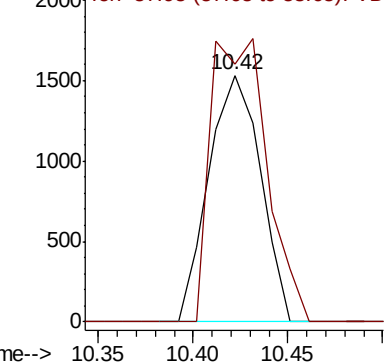


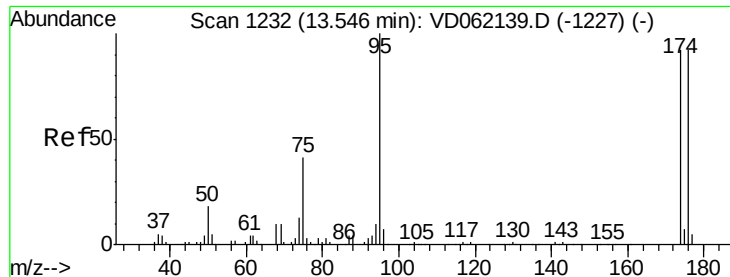
#51
4-Methyl-2-Pentanone
Concen: 1.525 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062285.D
Acq: 13 May 2019 4:41

Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
58 104.7 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: 24.848 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0612-01RE

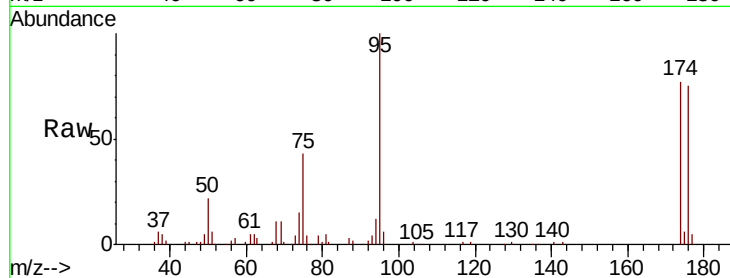
Tot Ion: 95 Resp: 120140

Ion Ratio Lower Upper

95 100

174 77.0 0.0 181.8

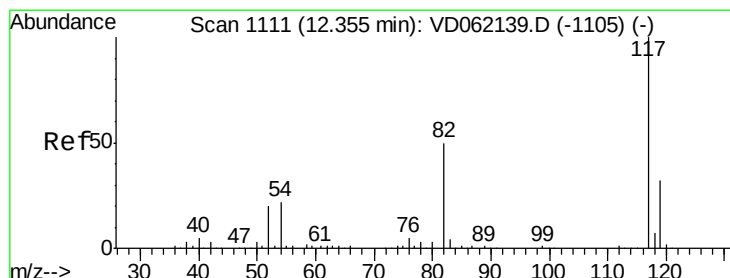
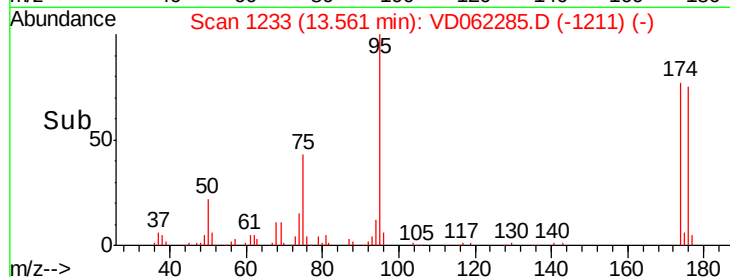
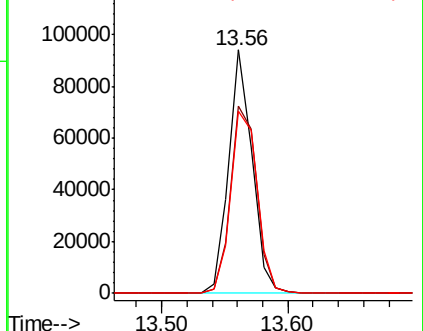
176 74.9 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

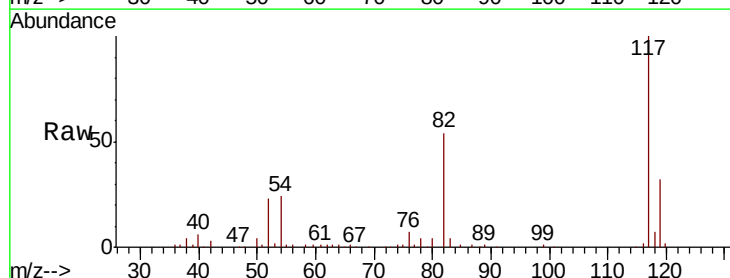
Tgt Ion: 117 Resp: 400791

Ion Ratio Lower Upper

117 100

82 54.4 36.2 54.2#

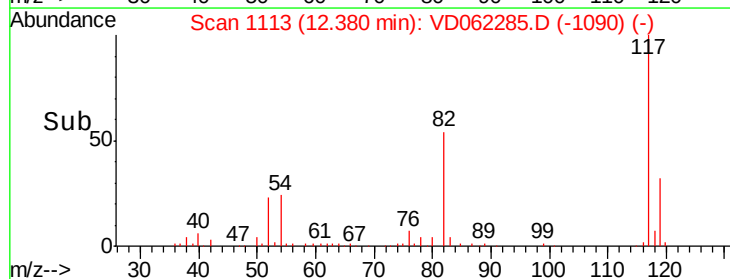
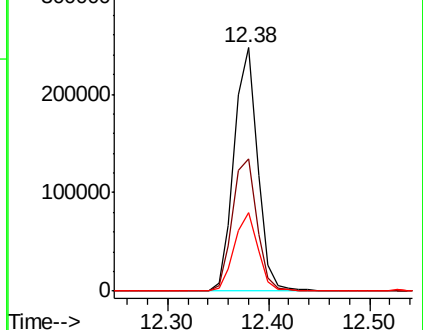
119 32.1 26.2 39.4

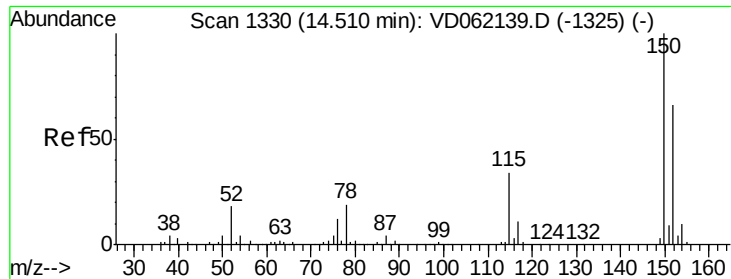


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0612-01RE

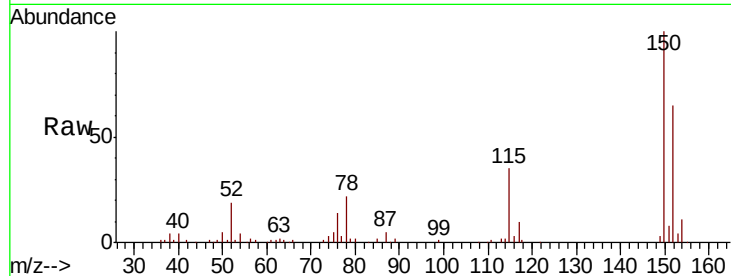
Tot Ion:152 Resp: 110641

Ion Ratio Lower Upper

152 100

115 54.2 30.9 92.7

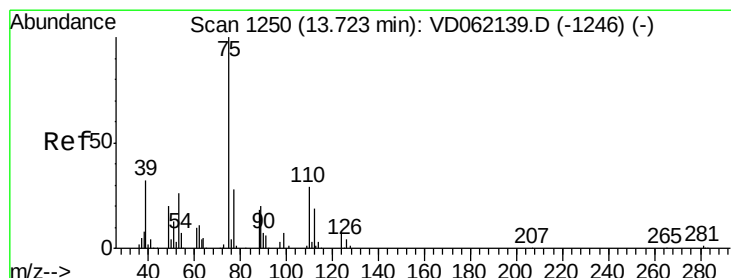
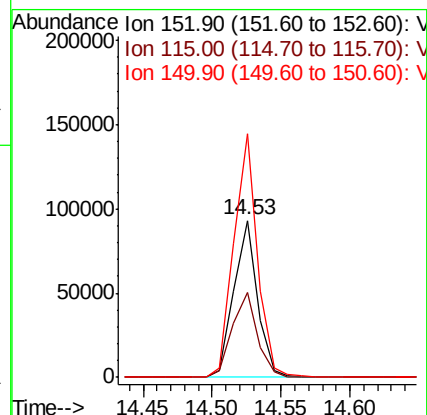
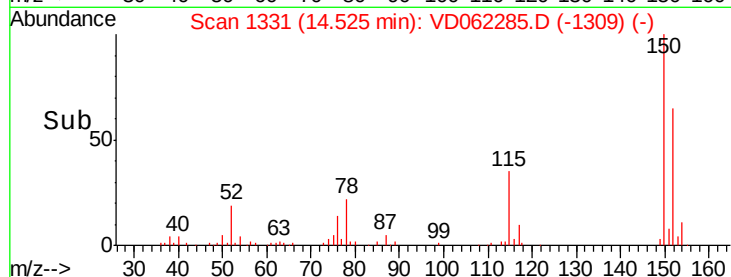
150 155.0 0.0 314.8



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: 38.975 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062285.D

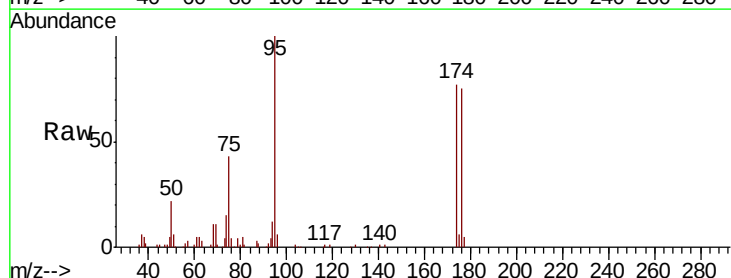
Acq: 13 May 2019 4:41

Tgt Ion: 75 Resp: 51247

Ion Ratio Lower Upper

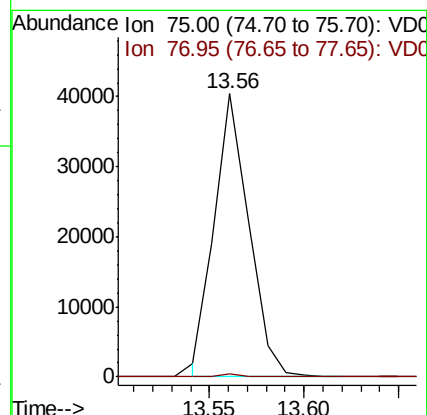
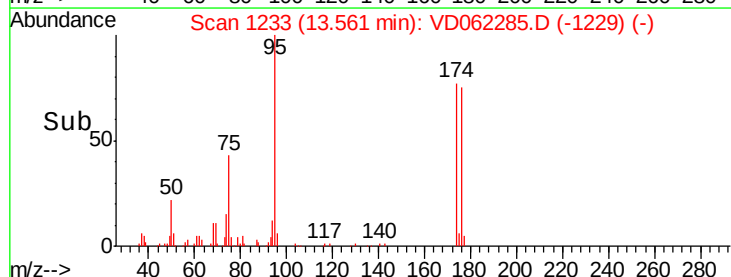
75 100

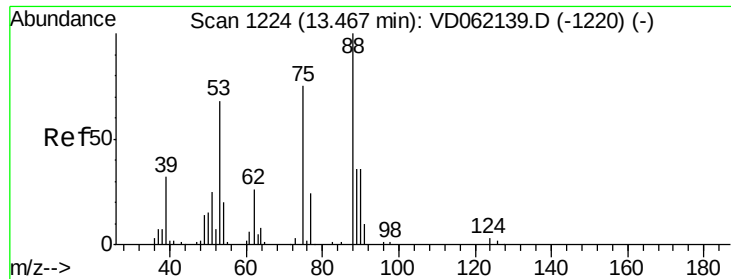
77 1.1 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 141.189 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062285.D

Acq: 13 May 2019 4:41

Instrument :

MSVOA_D

ClientSampleId :

P026-SS010-0612-01RE

Tot Ion: 75 Resp: 52409

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

