

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062268.D
 Acq On : 12 May 2019 19:27
 Operator : FY/SY
 Sample : K2733-13
 Misc : 5.64g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-1824-01

Quant Time: May 13 01:35:26 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	272059	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	434511	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	317365	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	113745	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	238312	94.26	ug/l	0.04
Spiked Amount			Recovery	=	188.52%	
35) Dibromofluoromethane	6.94	113	263503	73.09	ug/l	0.04
Spiked Amount			Recovery	=	146.18%	
50) Toluene-d8	10.42	98	307255	35.35	ug/l	0.03
Spiked Amount			Recovery	=	70.70%	
62) 4-Bromofluorobenzene	13.56	95	131894	37.79	ug/l	0.02
Spiked Amount			Recovery	=	75.58%	

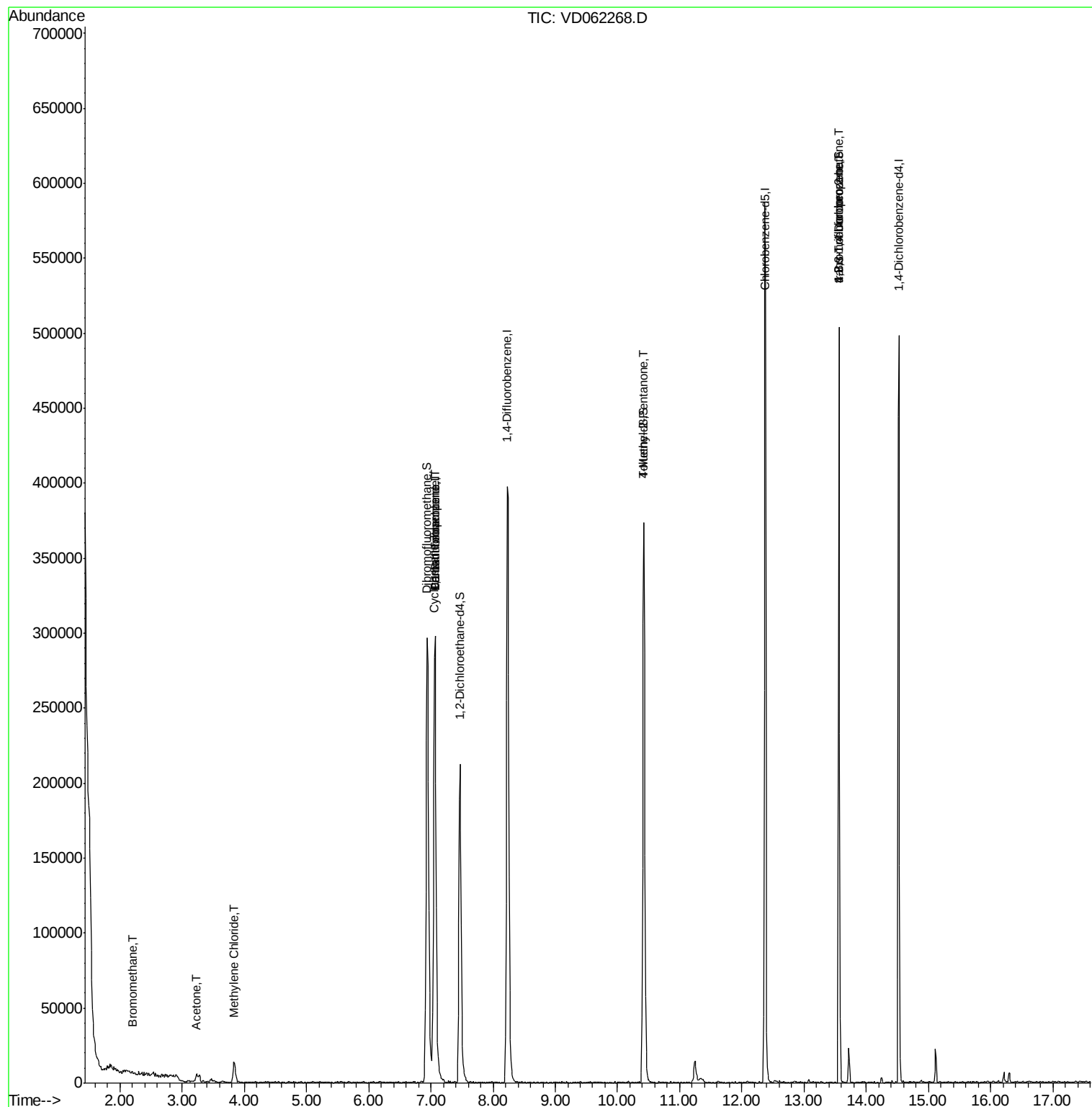
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	873	2.016	ug/l #	12
16) Acetone	3.24	43	10161	19.164	ug/l #	89
18) Methyl Acetate	3.64	43	279	Below Cal	#	53
20) Methylene Chloride	3.83	84	9753	4.406	ug/l	96
31) Cyclohexane	7.05	56	5574	2.101	ug/l #	5
36) 1,1-Dichloropropene	7.07	75	20889	5.863	ug/l #	48
38) Carbon Tetrachloride	7.07	117	27222	5.521	ug/l #	12
51) 4-Methyl-2-Pentanone	10.42	43	1495	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	55866	41.328	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	57978	151.929	ug/l #	16

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

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Quant Time: May 13 01:35:26 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: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

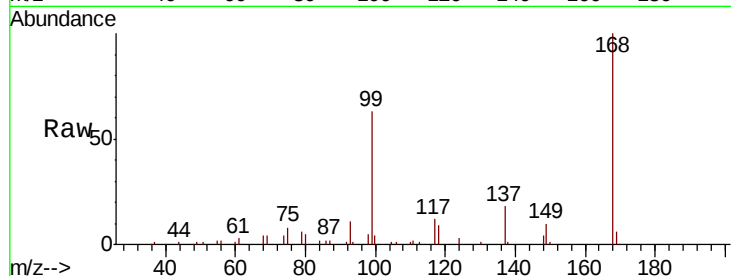
P021-SS002-1824-01

Tot Ion:168 Resp: 272059

Ion Ratio Lower Upper

168 100

99 63.2 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

100000

80000

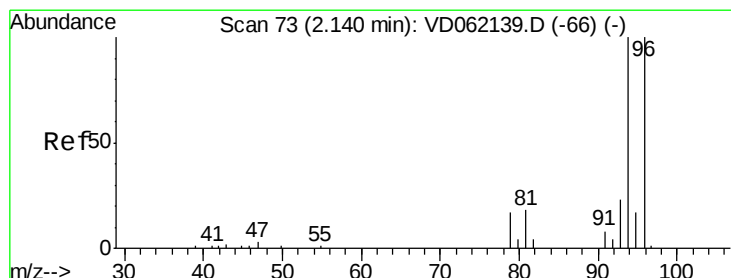
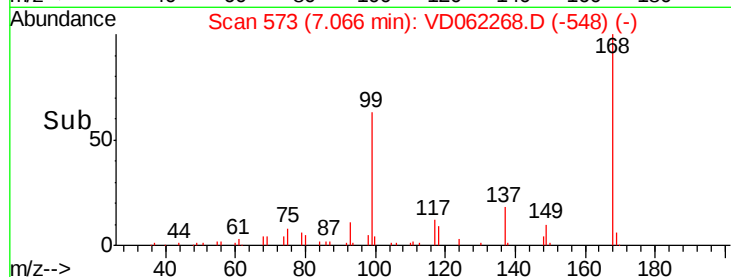
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.016 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

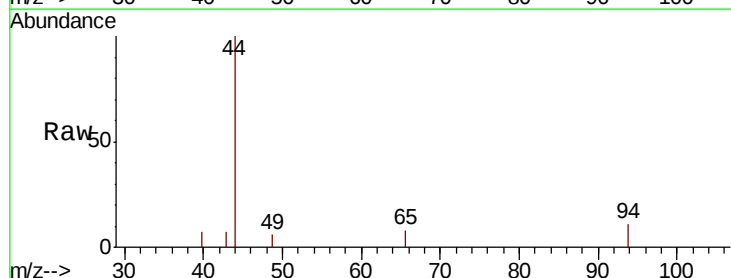
Tgt Ion: 94 Resp: 873

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

2.18

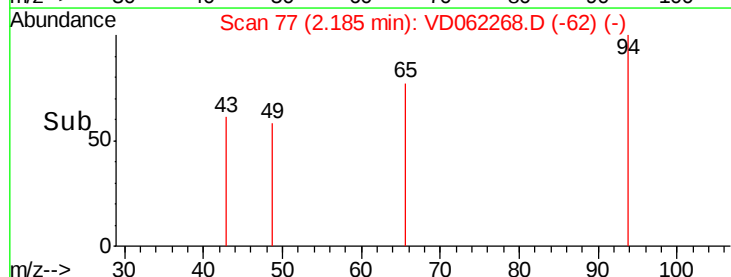
600

400

200

0

Time--> 2.16 2.18 2.20





#16

Acetone

Concen: 19.164 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

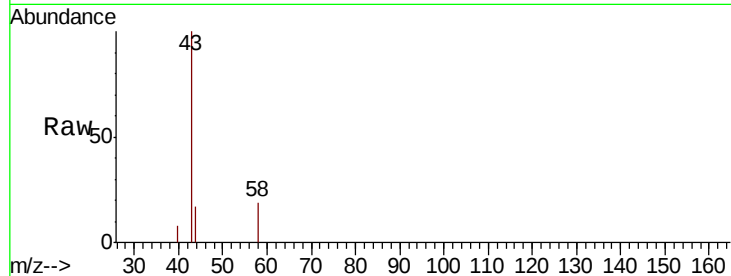
P021-SS002-1824-01

Tot Ion: 43 Resp: 10161

Ion Ratio Lower Upper

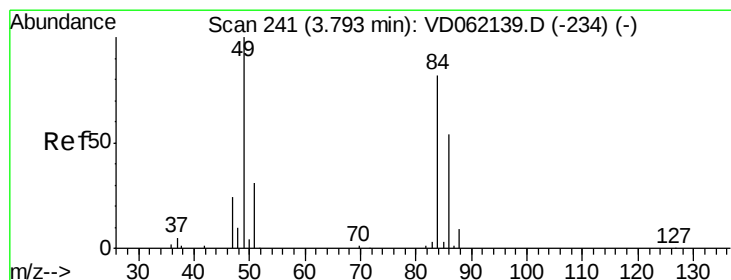
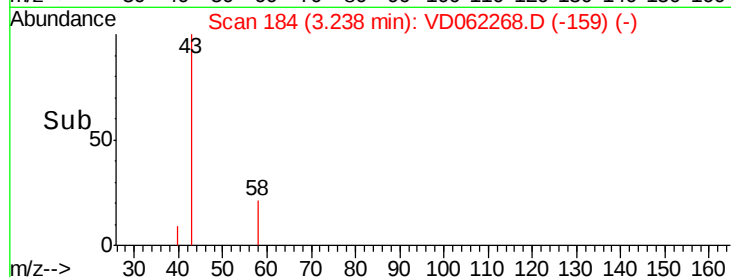
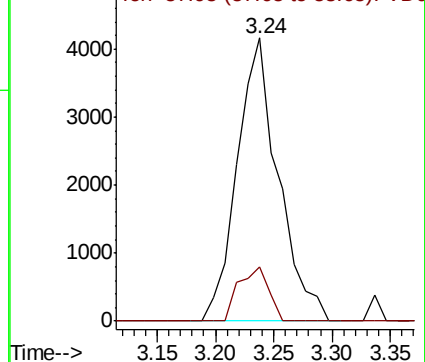
43 100

58 19.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.406 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Tgt Ion: 84 Resp: 9753

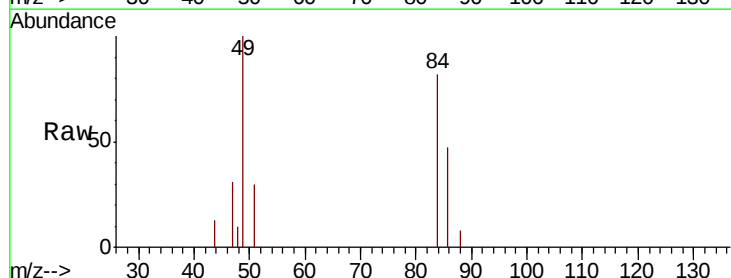
Ion Ratio Lower Upper

84 100

49 122.4 94.0 141.0

51 37.1 29.0 43.4

86 57.5 49.8 74.6

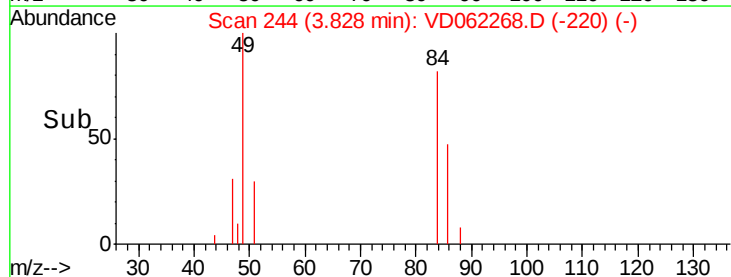
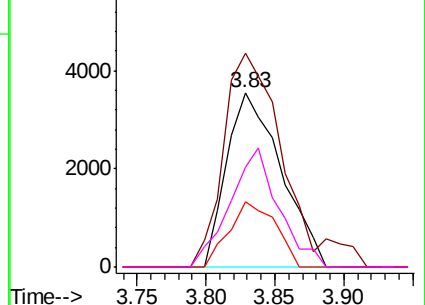


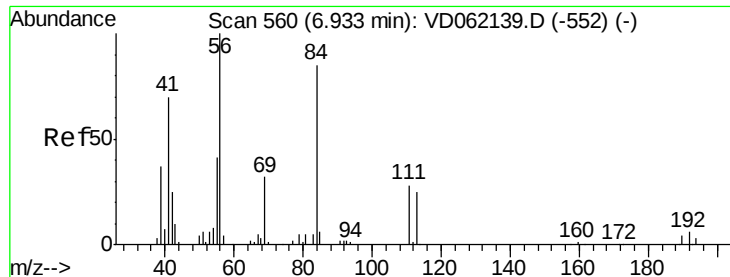
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

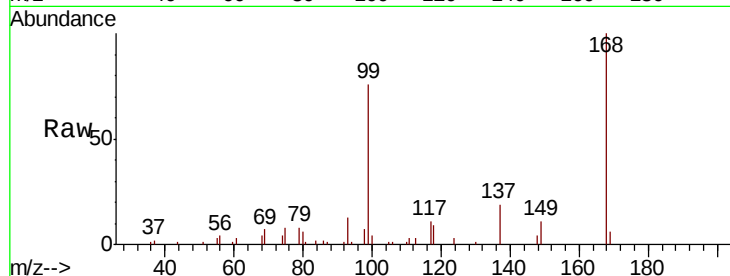




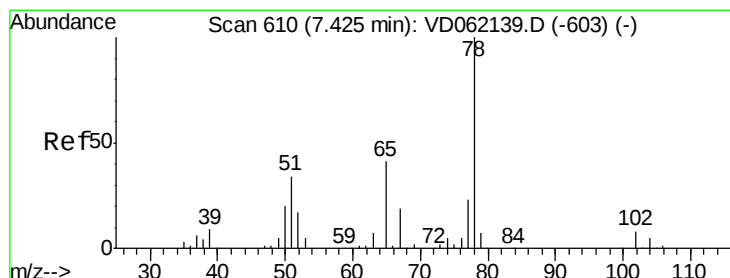
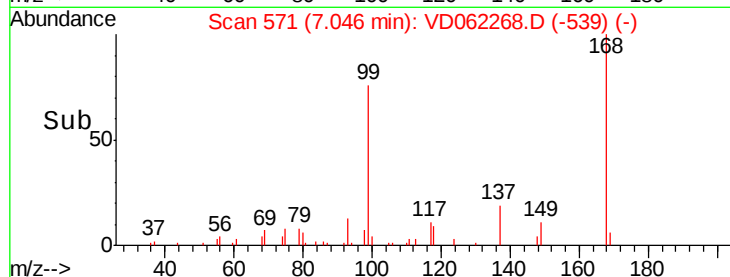
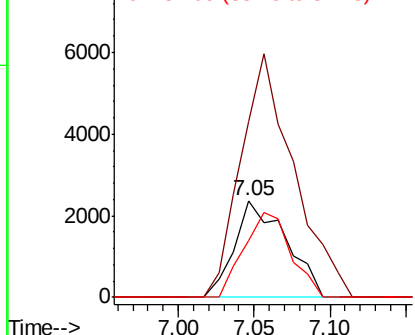
#31
Cvclohexane
Concen: 2.101 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062268.D
Acq: 12 May 2019 19:27

Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-1824-01

Tot Ion: 56 Resp: 5574
Ion Ratio Lower Upper
56 100
69 181.6 25.8 38.6#
84 58.7 72.2 108.4#

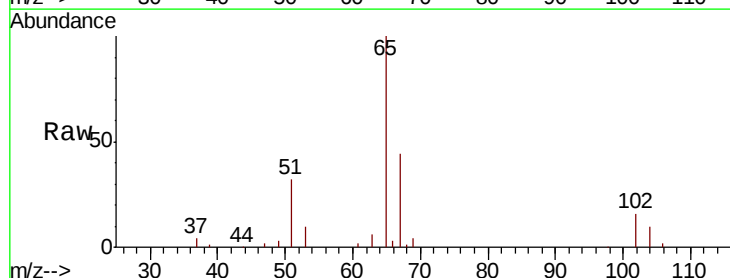


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

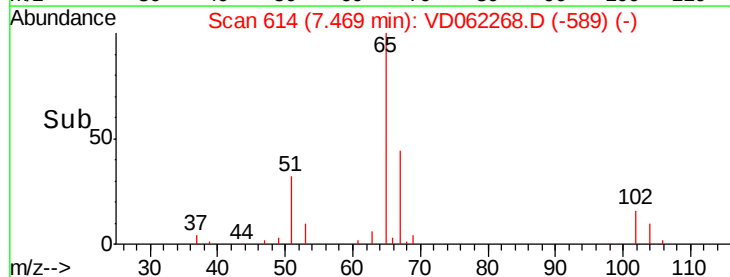
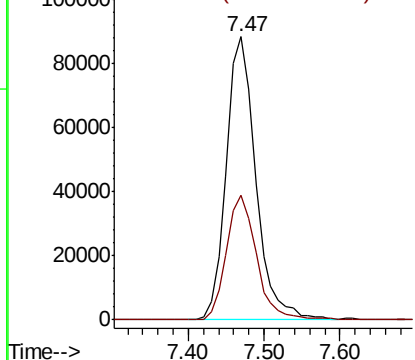


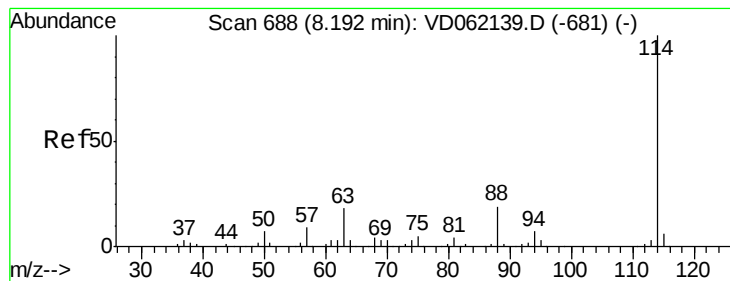
#33
1,2-Dichloroethane-d4
Concen: 94.259 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062268.D
Acq: 12 May 2019 19:27

Tgt Ion: 65 Resp: 238312
Ion Ratio Lower Upper
65 100
67 44.2 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: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-1824-01

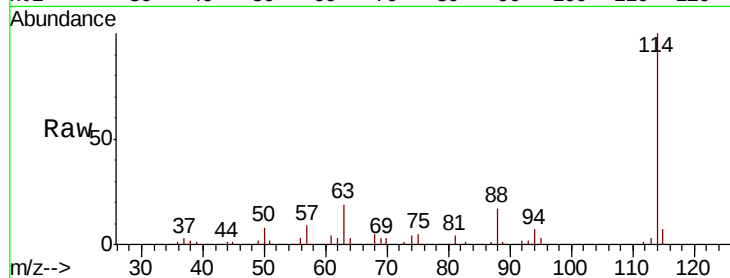
Tot Ion:114 Resp: 434511

Ion Ratio Lower Upper

114 100

63 19.2 0.0 32.4

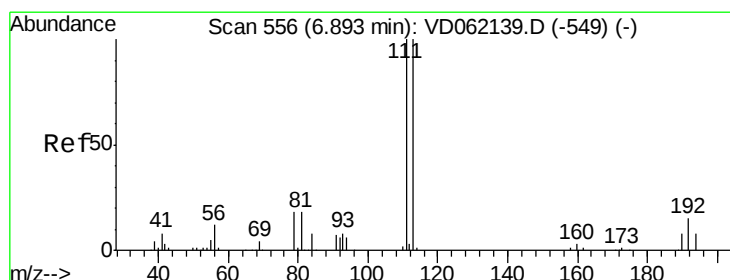
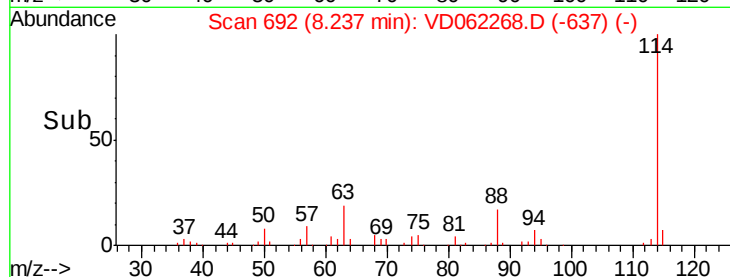
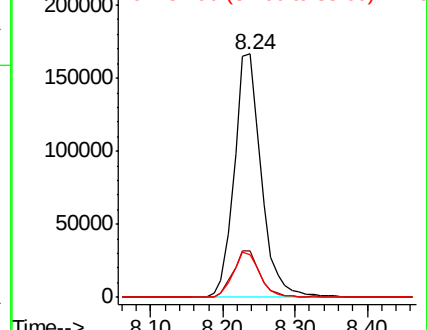
88 17.5 0.0 33.6



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: 73.090 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

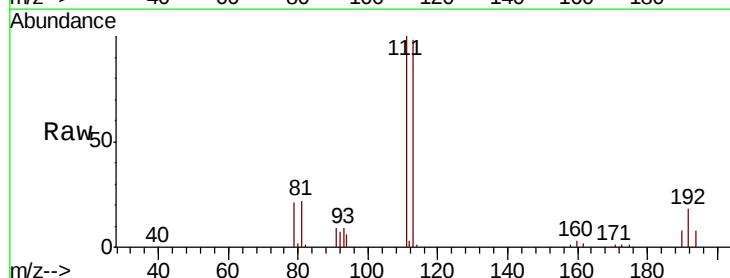
Tgt Ion:113 Resp: 263503

Ion Ratio Lower Upper

113 100

111 101.6 78.5 117.7

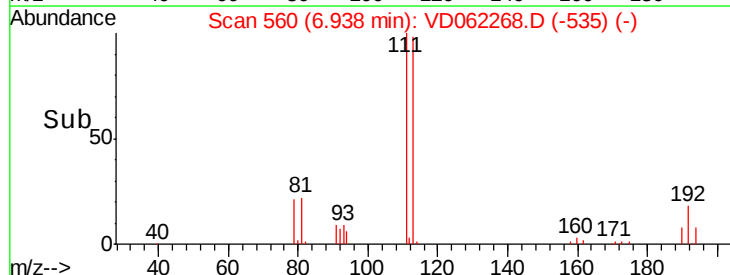
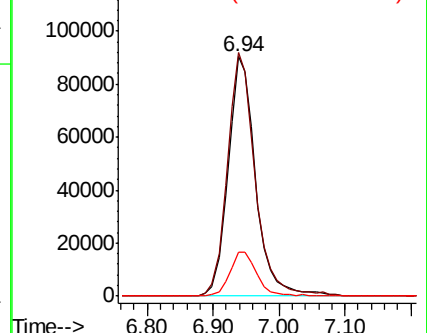
192 18.2 13.0 19.4

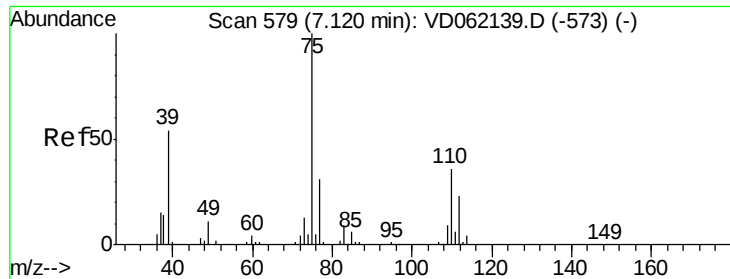


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.863 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

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ClientSampleId :

P021-SS002-1824-01

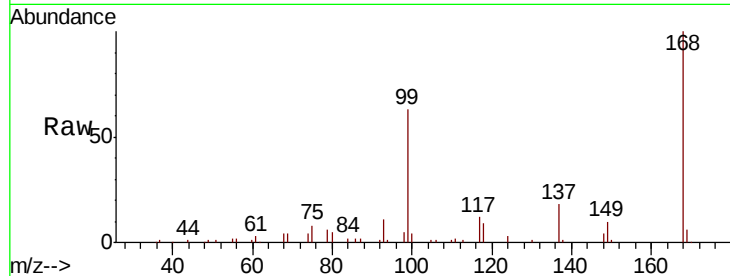
Tot Ion: 75 Resp: 20889

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

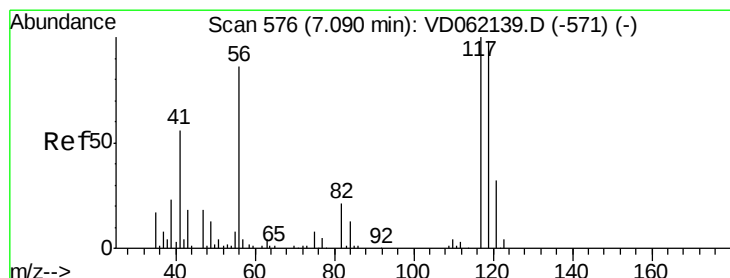
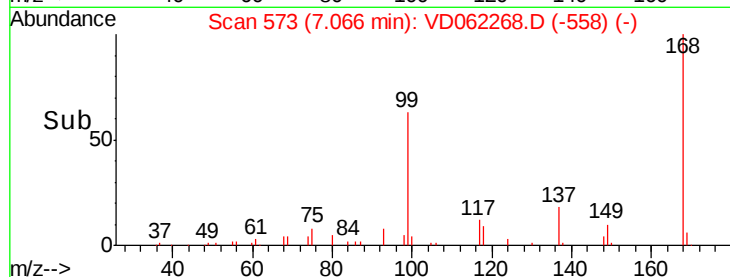
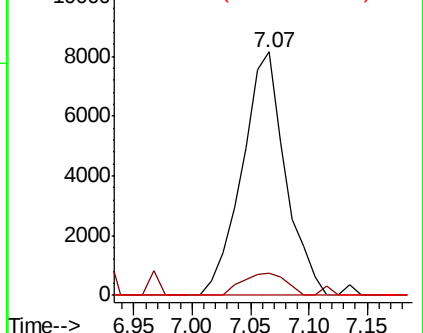
77 0.0 25.6 38.4#



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: 5.521 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

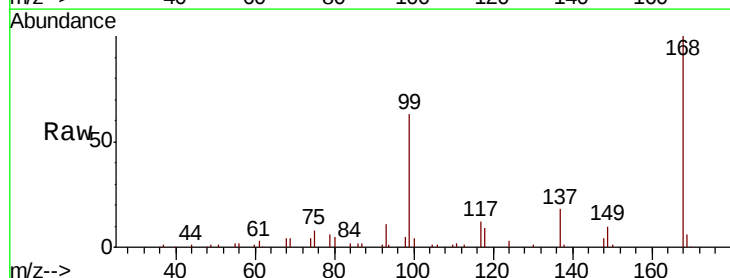
Tgt Ion: 117 Resp: 27222

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

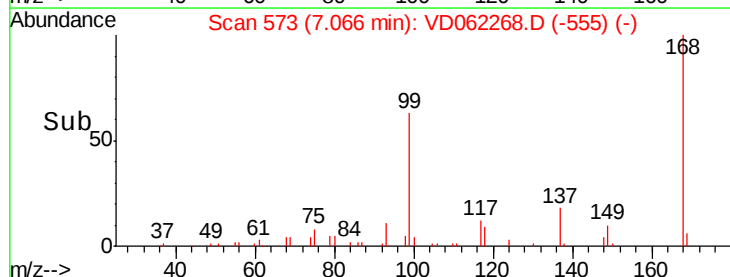
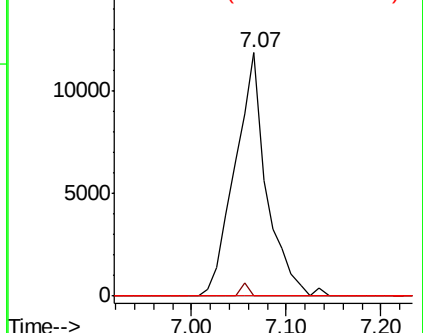
121 0.0 25.9 38.9#

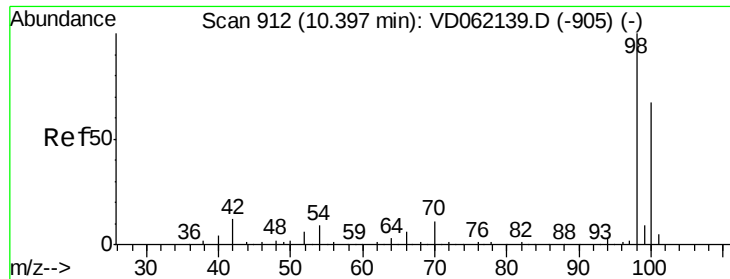


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 35.348 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

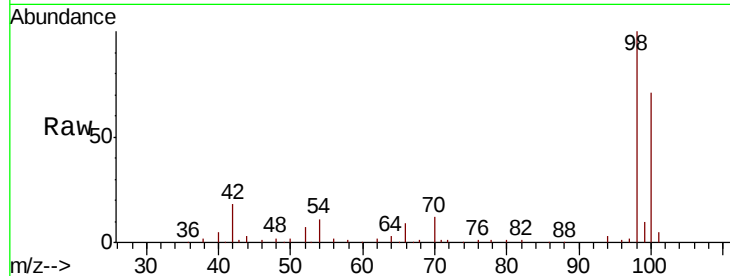
P021-SS002-1824-01

Tot Ion: 98 Resp: 307255

Ion Ratio Lower Upper

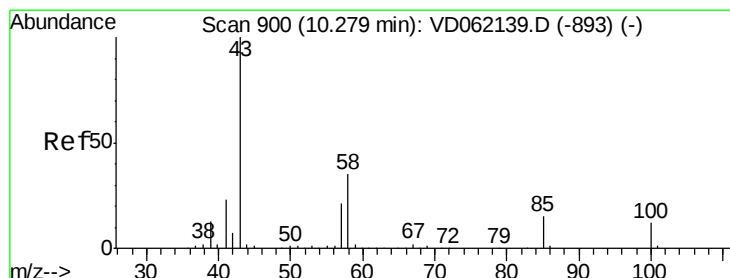
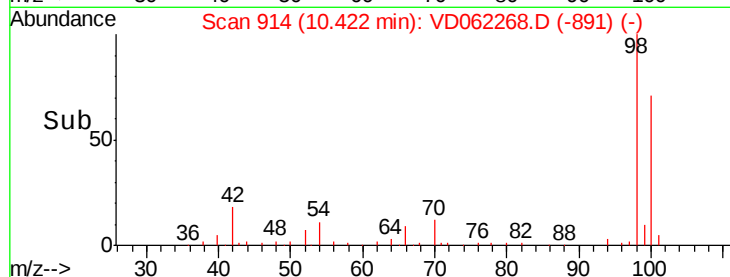
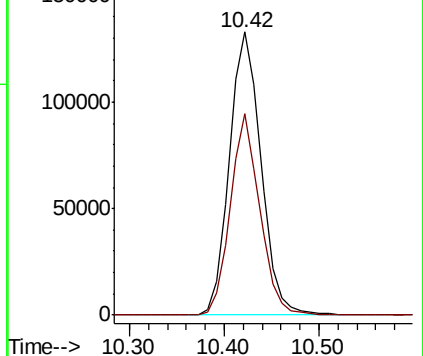
98 100

100 71.2 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: 1.085 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062268.D

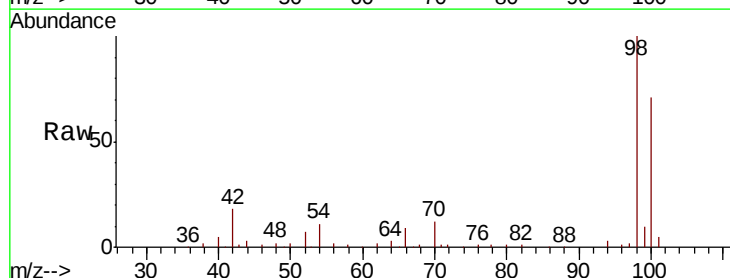
Acq: 12 May 2019 19:27

Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

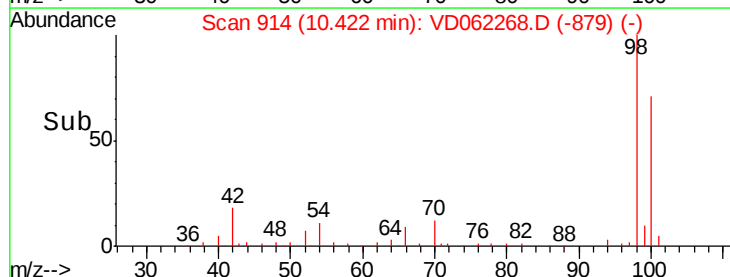
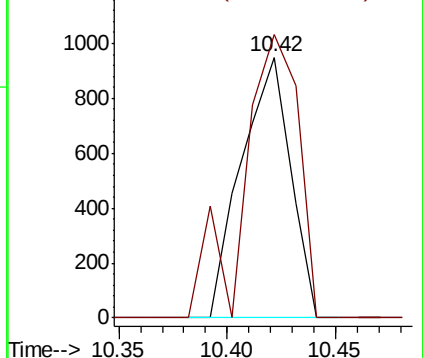
43 100

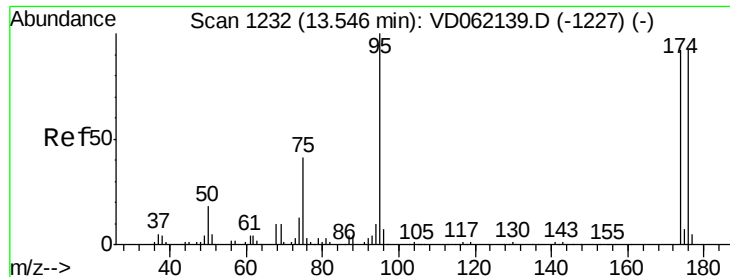
58 108.6 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 37.786 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

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P021-SS002-1824-01

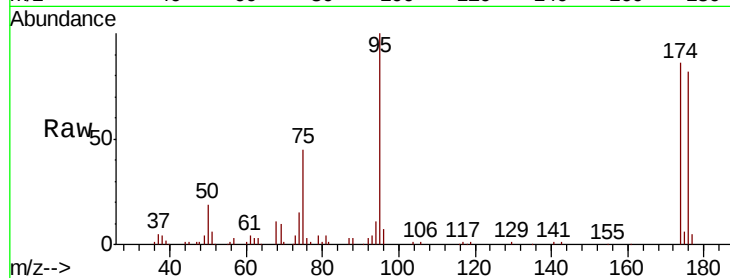
Tot Ion: 95 Resp: 131894

Ion Ratio Lower Upper

95 100

174 85.9 0.0 181.8

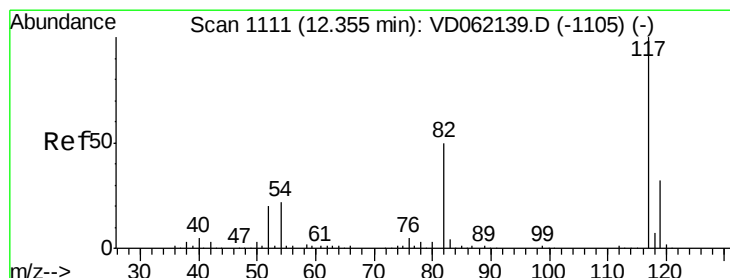
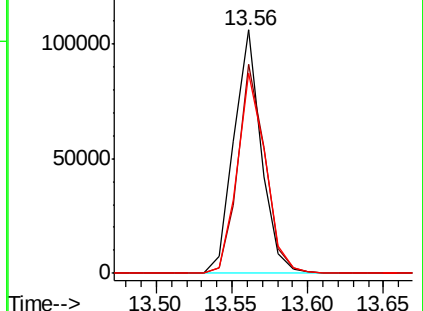
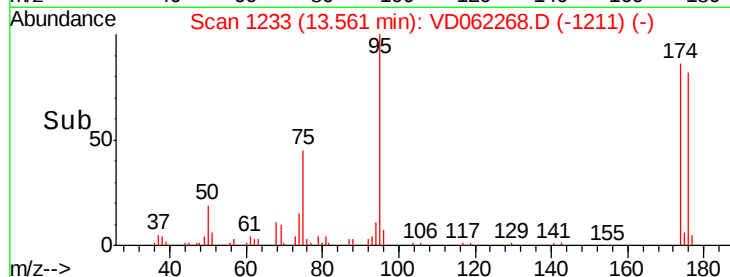
176 82.4 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

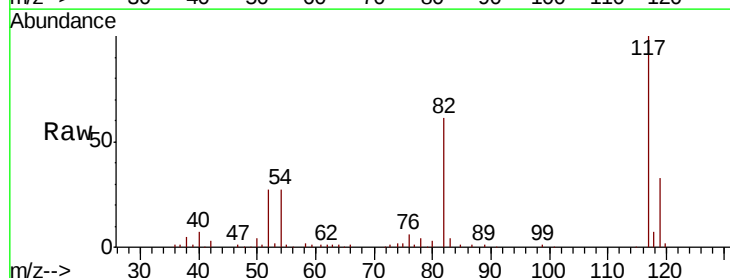
Tgt Ion: 117 Resp: 317365

Ion Ratio Lower Upper

117 100

82 60.9 36.2 54.2#

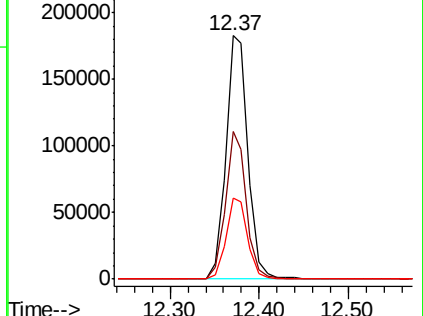
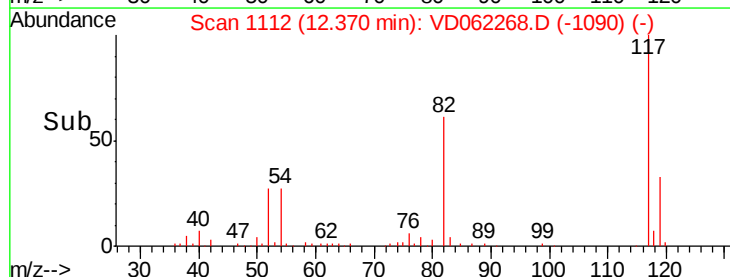
119 33.3 26.2 39.4

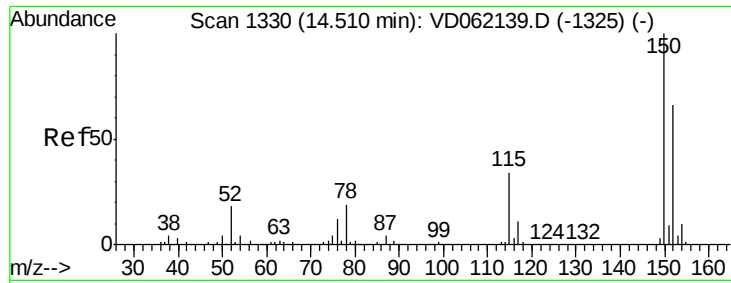


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-1824-01

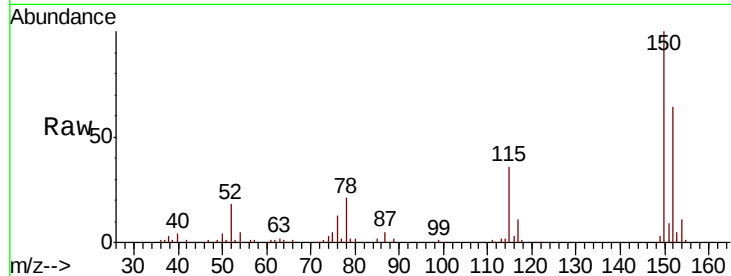
Tot Ion:152 Resp: 113745

Ion Ratio Lower Upper

152 100

115 56.4 30.9 92.7

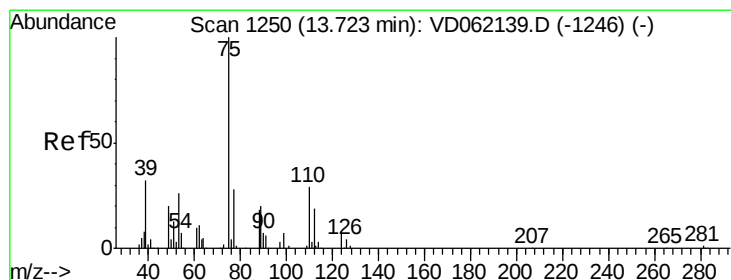
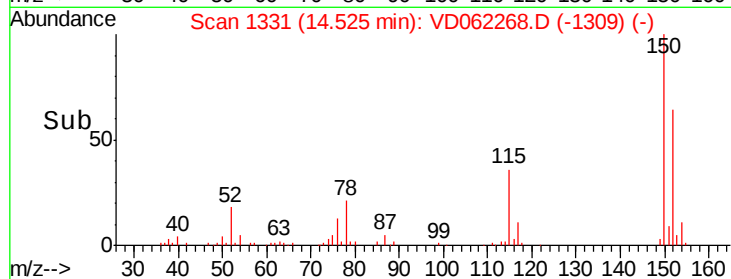
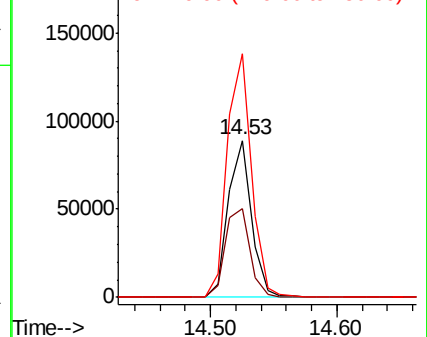
150 155.2 0.0 314.8



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: 41.328 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062268.D

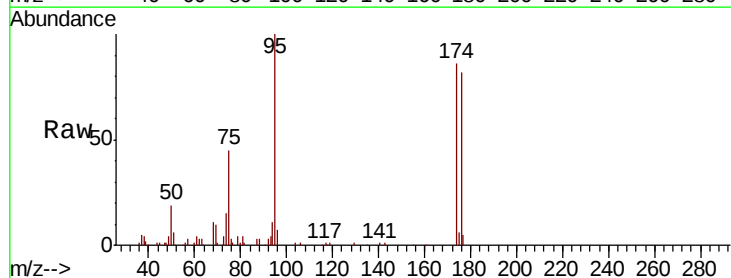
Acq: 12 May 2019 19:27

Tgt Ion: 75 Resp: 55866

Ion Ratio Lower Upper

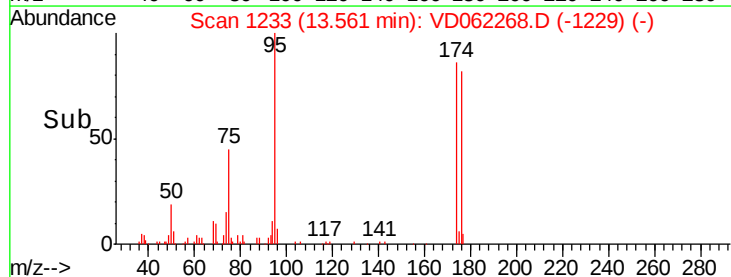
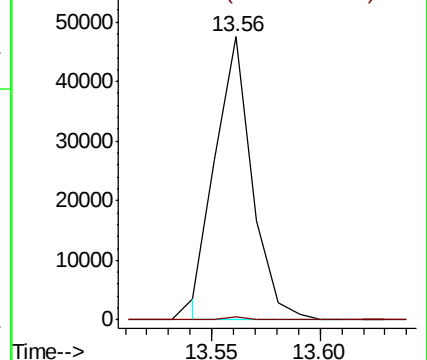
75 100

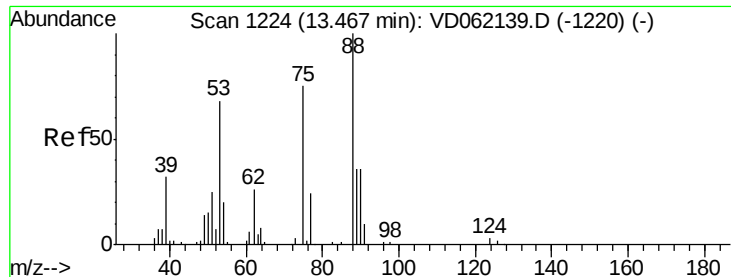
77 1.2 16.4 49.4#



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: 151.929 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062268.D

Acq: 12 May 2019 19:27

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-1824-01

Tot Ion: 75 Resp: 57978

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

