

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064602.D
 Acq On : 26 Dec 2019 16:35
 Operator : VA/SY
 Sample : K6437-01
 Misc : 7.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-2-(1-3)

Quant Time: Dec 27 01:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

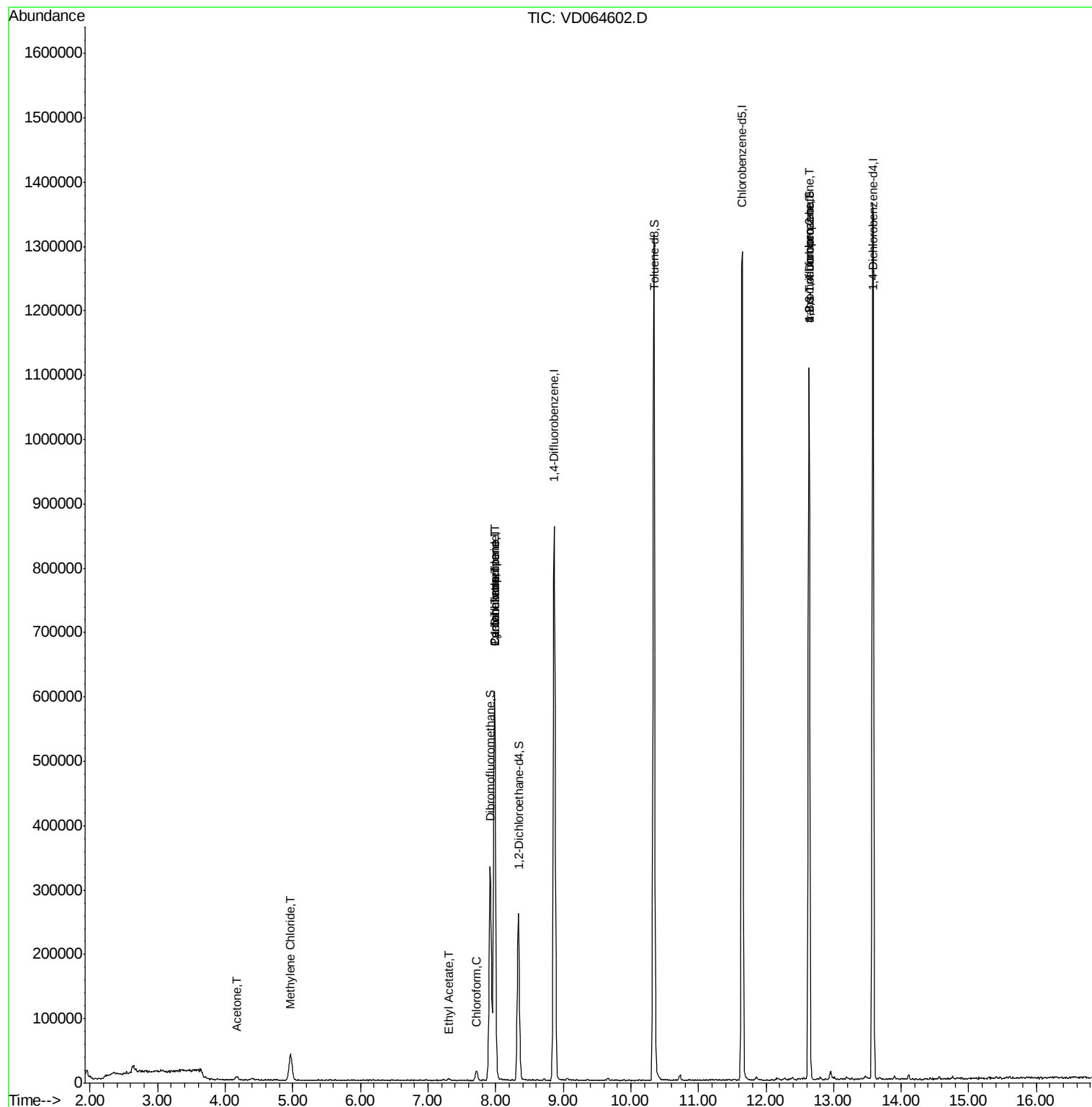
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	470150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	752783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	376010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	205718	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.92	113	230228	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.34	98	913624	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.64	95	325816	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	9925	14.213	ug/l	94
20) Methylene Chloride	4.97	84	29362	2.259	ug/l	96
30) Chloroform	7.71	83	13662	1.686	ug/l	95
31) Cyclohexane	7.99	56	9740	1.260	ug/l #	27
36) 1,1-Dichloropropene	7.99	75	33607	4.669	ug/l #	50
37) Ethyl Acetate	7.31	43	4319	1.527	ug/l #	82
38) Carbon Tetrachloride	7.98	117	42030	5.476	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	173762	58.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	173762	122.396	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

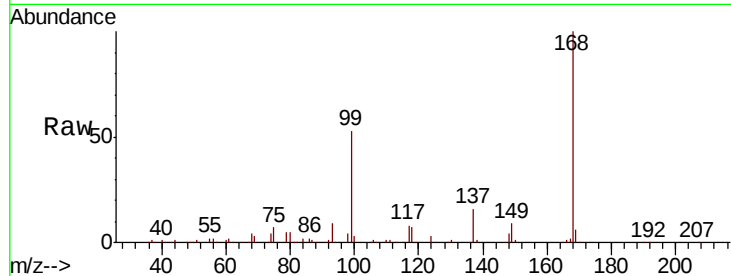
Instrument :
MSVOA_D
ClientSampleId :
GP-2-(1-3)

Tot Ion:168 Resp: 470150

Ion Ratio Lower Upper

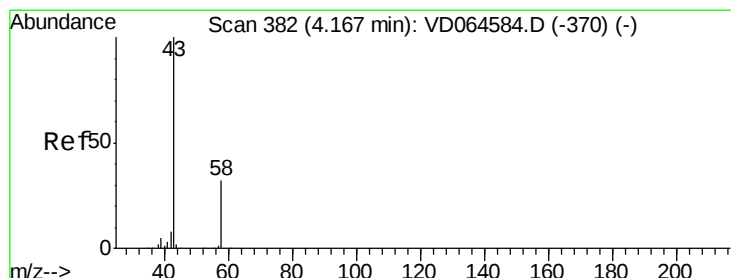
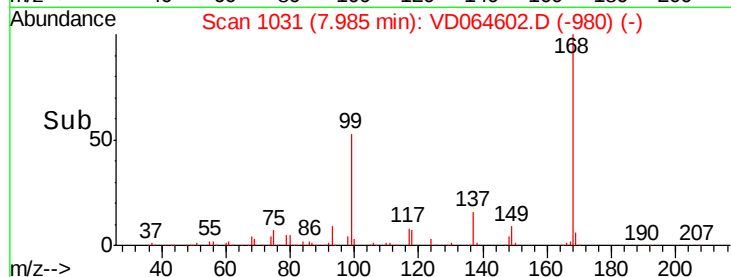
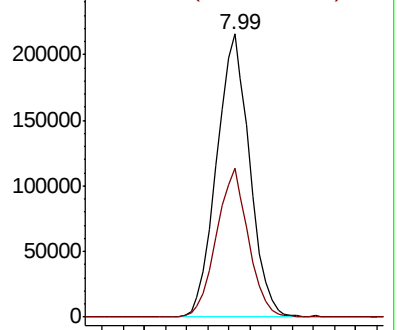
168 100

99 52.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 14.213 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064602.D

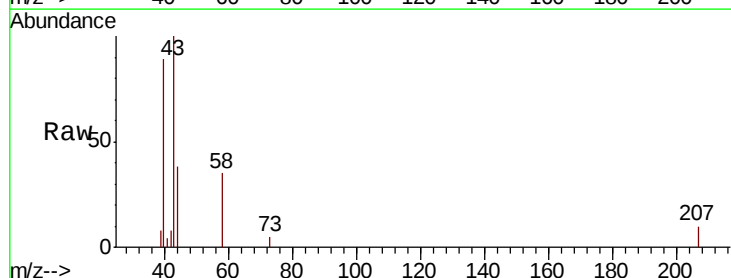
Acq: 26 Dec 2019 16:35

Tgt Ion: 43 Resp: 9925

Ion Ratio Lower Upper

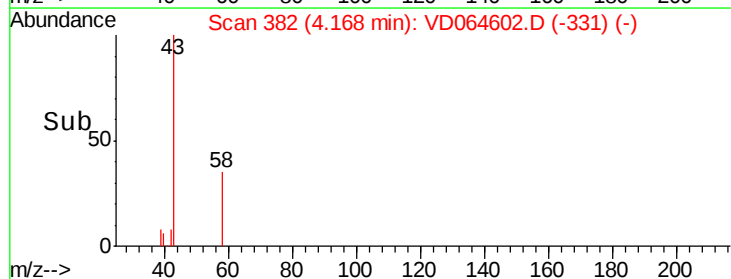
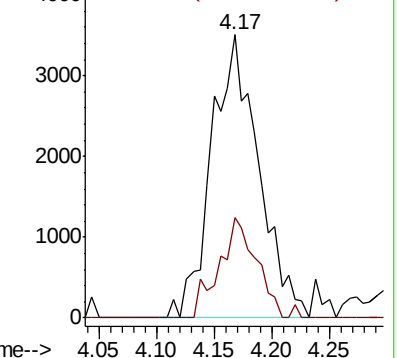
43 100

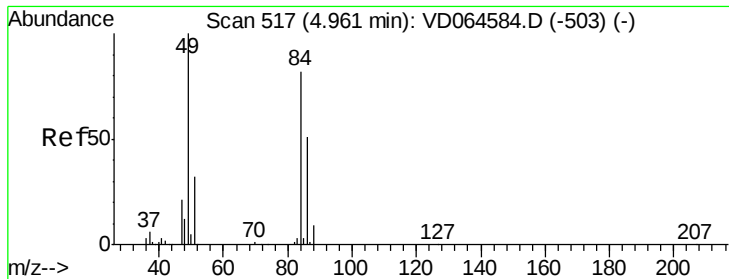
58 35.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 2.259 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

Tot Ion: 84 Resp: 29362

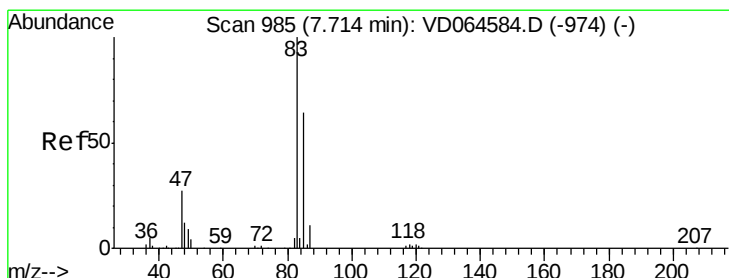
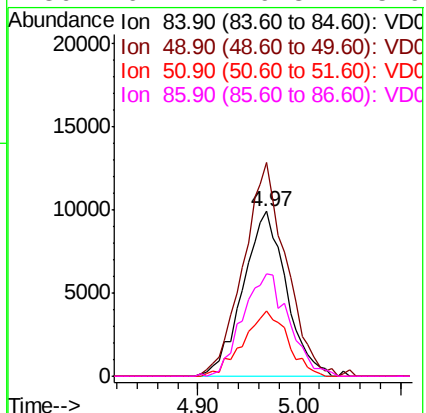
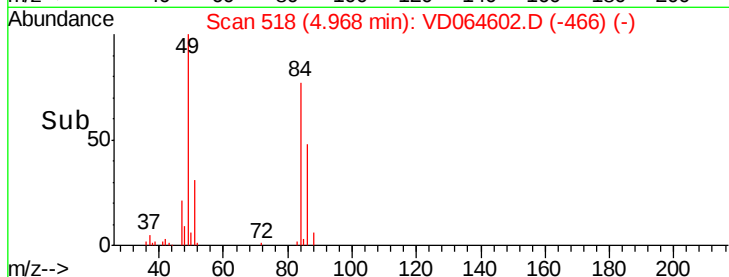
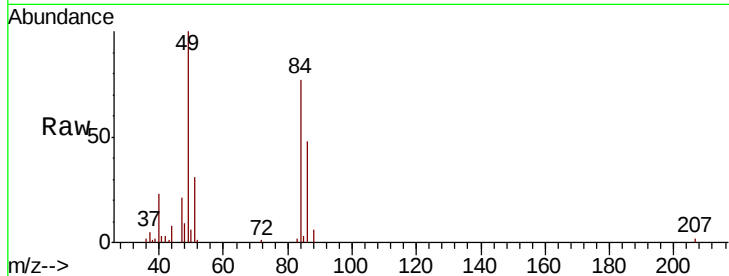
Ion Ratio Lower Upper

84 100

49 129.5 97.2 145.8

51 39.9 31.4 47.0

86 62.2 49.3 73.9



#30

Chloroform

Concen: 1.686 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064602.D

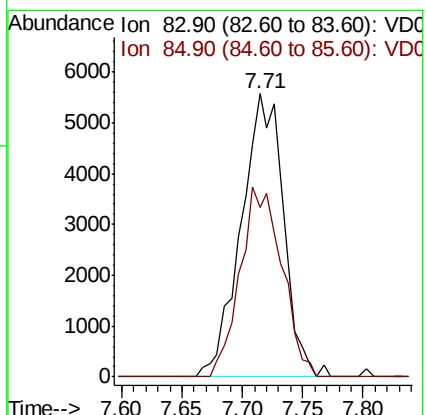
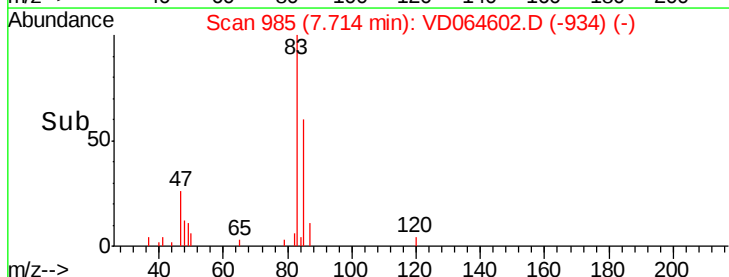
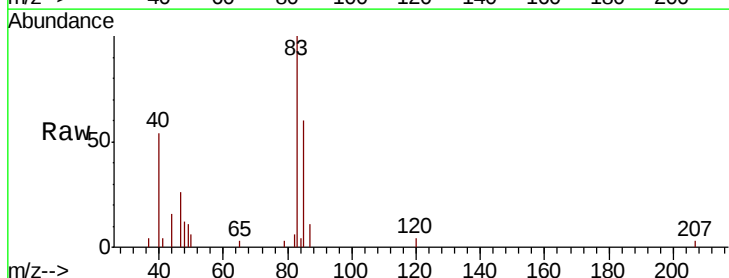
Acq: 26 Dec 2019 16:35

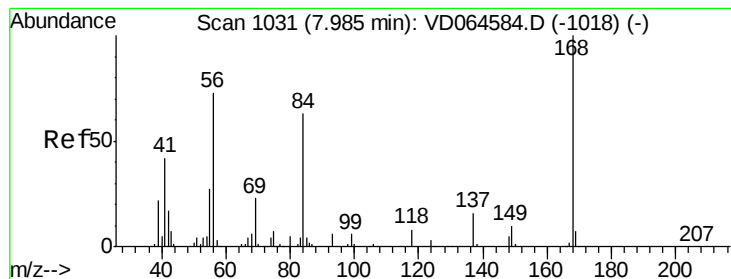
Tgt Ion: 83 Resp: 13662

Ion Ratio Lower Upper

83 100

85 60.0 51.1 76.7





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

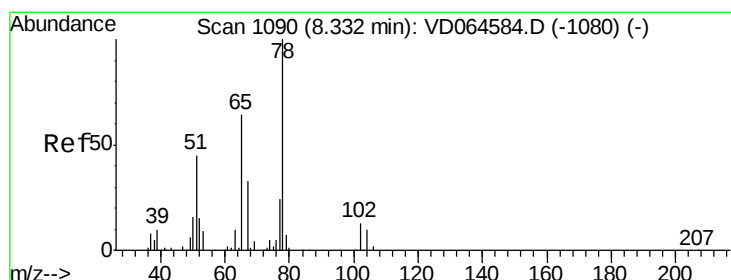
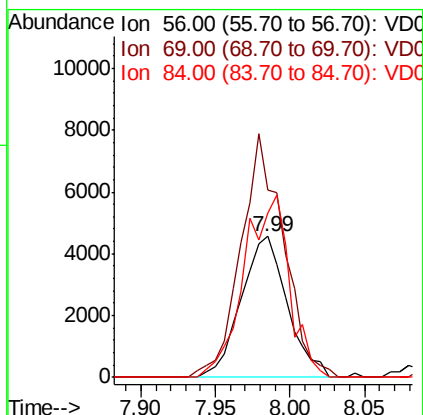
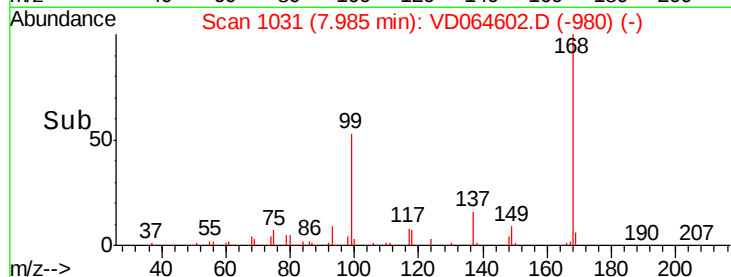
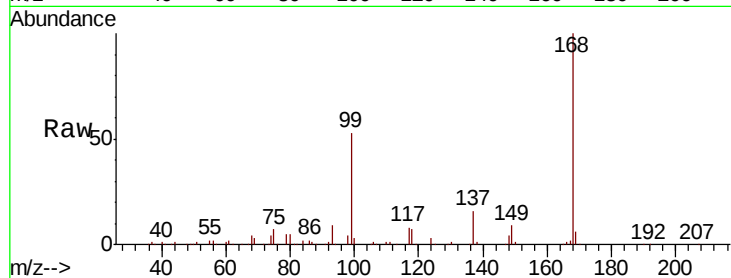
Tot Ion: 56 Resp: 9740

Ion Ratio Lower Upper

56 100

69 133.4 24.7 37.1#

84 116.6 69.4 104.2#



#33

1,2-Dichloroethane-d4

Concen: 49.622 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064602.D

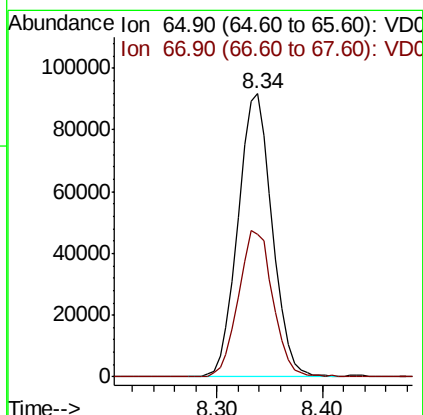
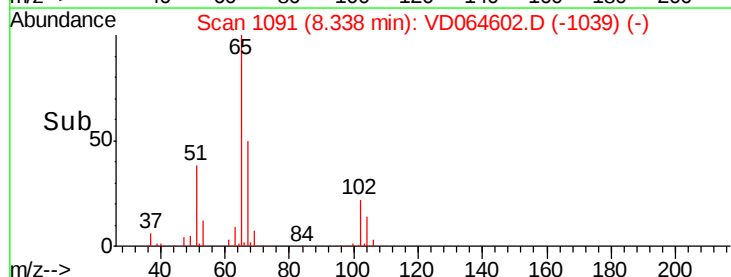
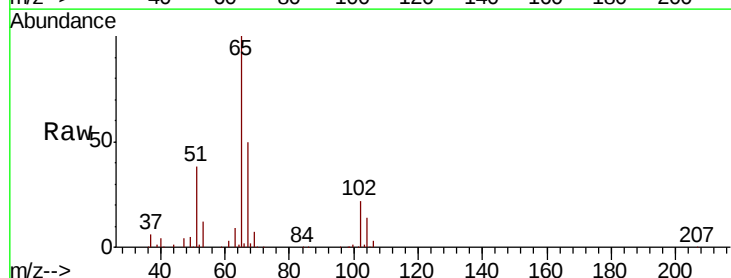
Acq: 26 Dec 2019 16:35

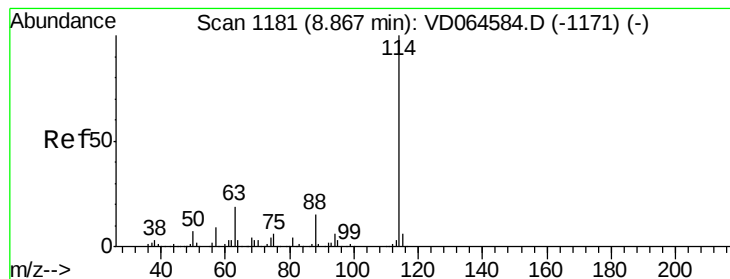
Tgt Ion: 65 Resp: 205718

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

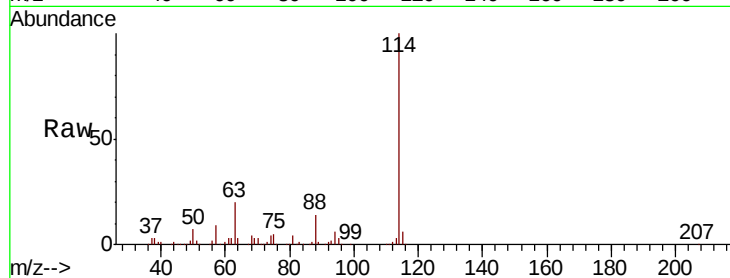
Tot Ion:114 Resp: 747910

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

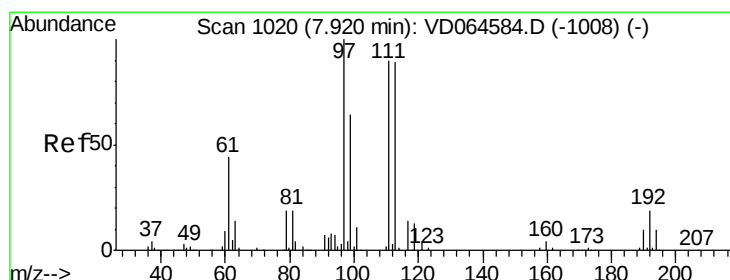
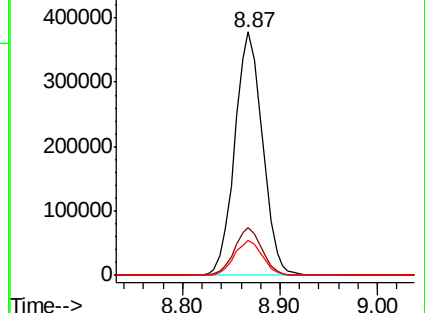
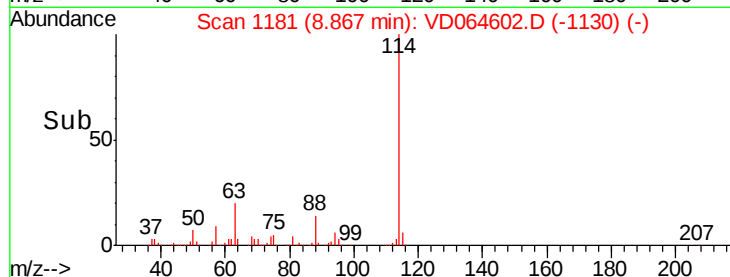
88 14.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.174 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

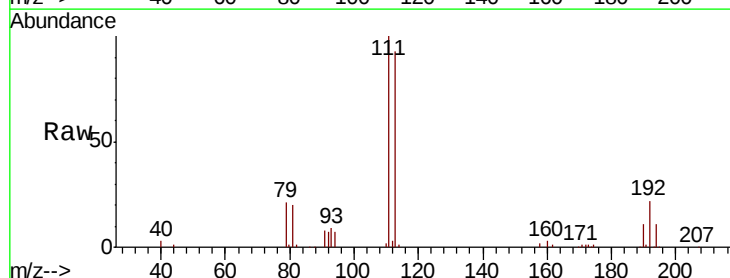
Tgt Ion:113 Resp: 230228

Ion Ratio Lower Upper

113 100

111 101.2 80.6 121.0

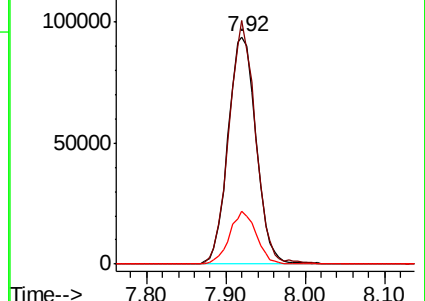
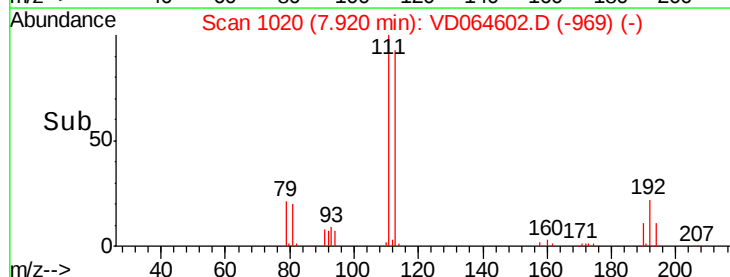
192 22.3 17.9 26.9

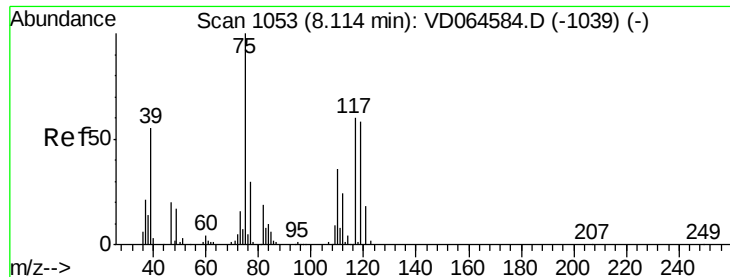


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

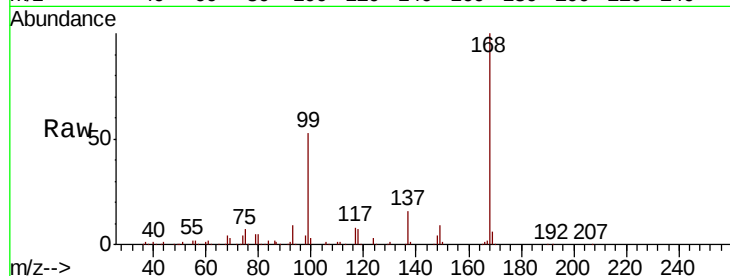
Tot Ion: 75 Resp: 33607

Ion Ratio Lower Upper

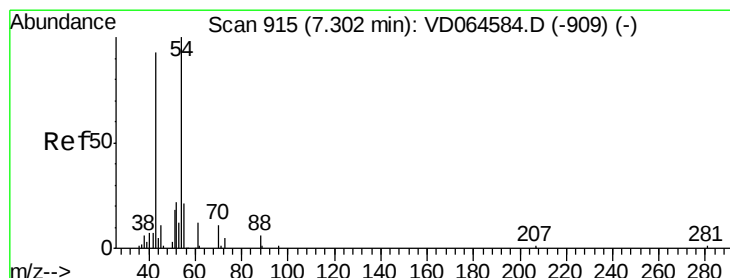
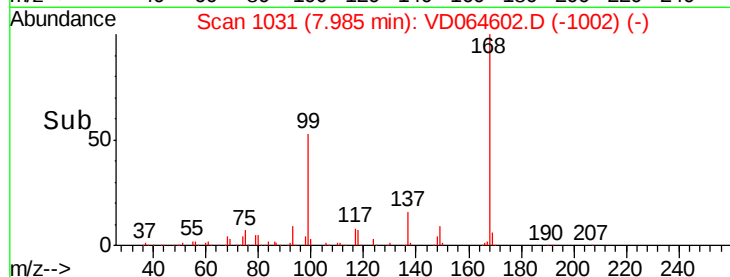
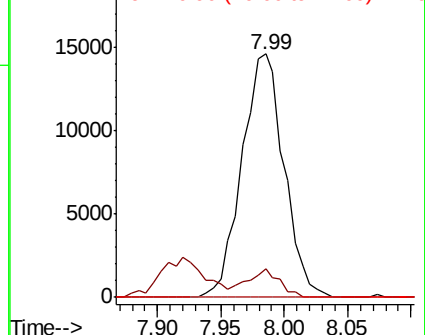
75 100

110 9.1 18.1 54.1#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.527 ug/l

RT: 7.31 min Scan# 916

Delta R.T. 0.01 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

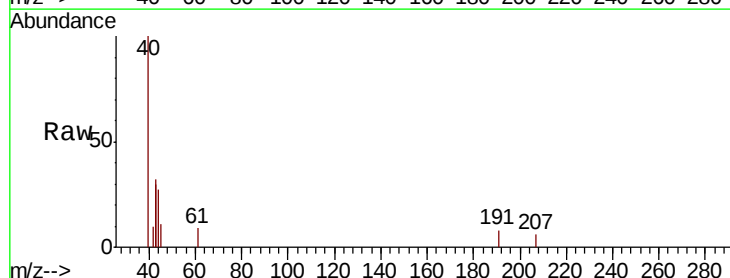
Tgt Ion: 43 Resp: 4319

Ion Ratio Lower Upper

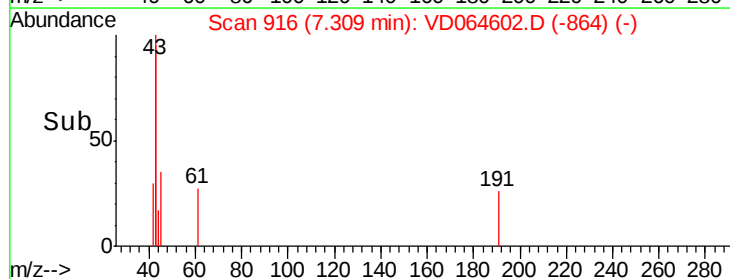
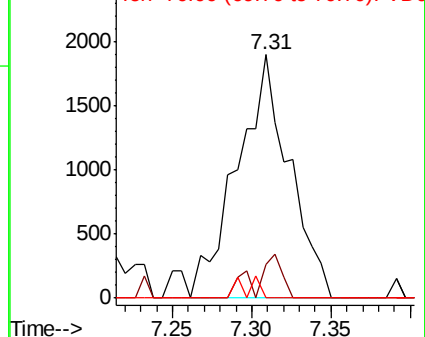
43 100

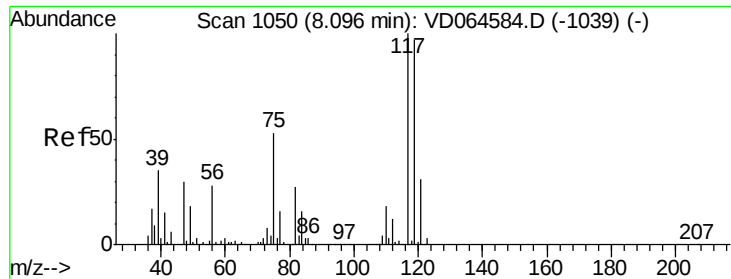
61 6.3 10.3 15.5#

70 2.7 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

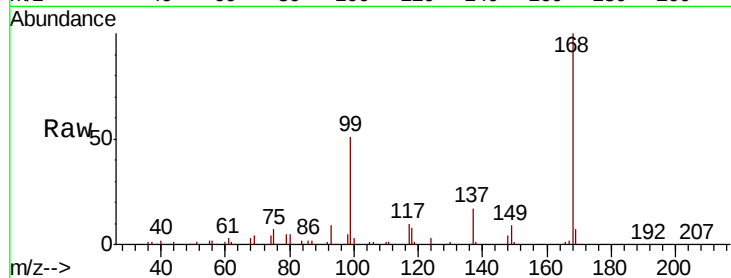
Tot Ion:117 Resp: 42030

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

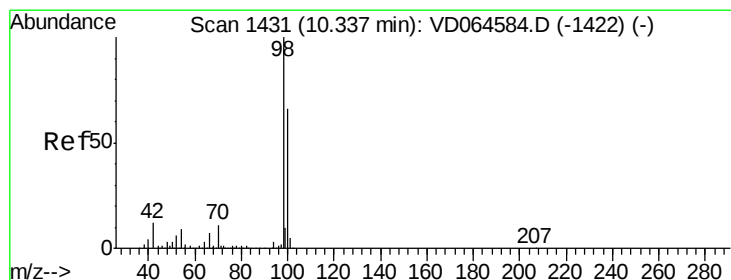
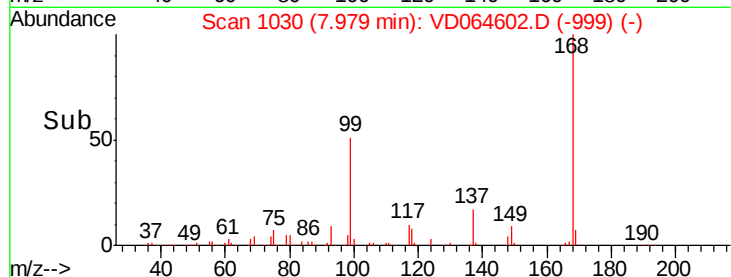
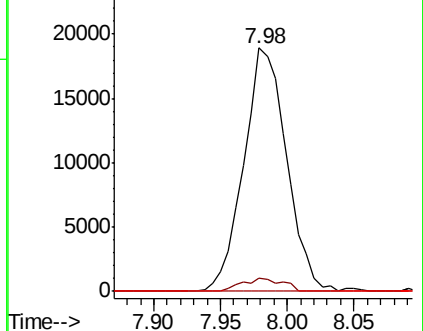
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.988 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064602.D

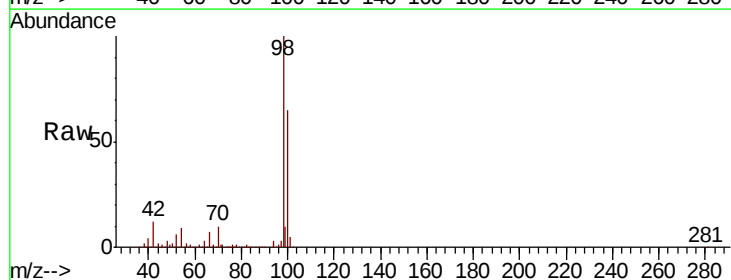
Acq: 26 Dec 2019 16:35

Tgt Ion: 98 Resp: 913624

Ion Ratio Lower Upper

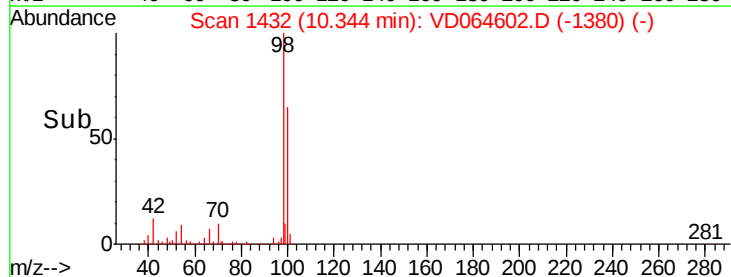
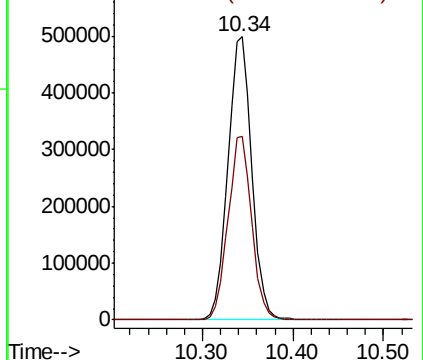
98 100

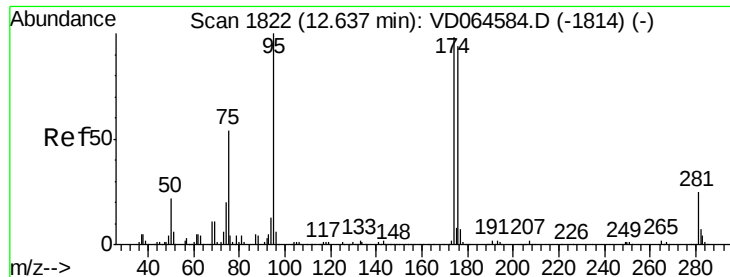
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 58.632 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

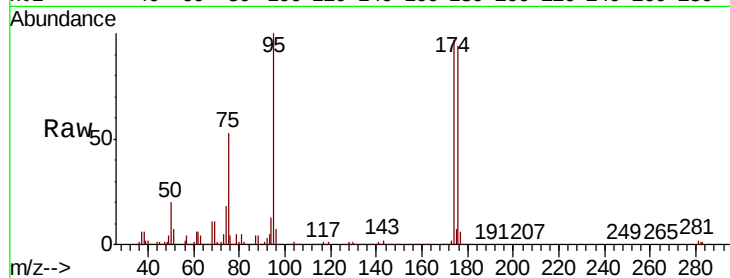
Tot Ion: 95 Resp: 325816

Ion Ratio Lower Upper

95 100

174 95.7 0.0 193.2

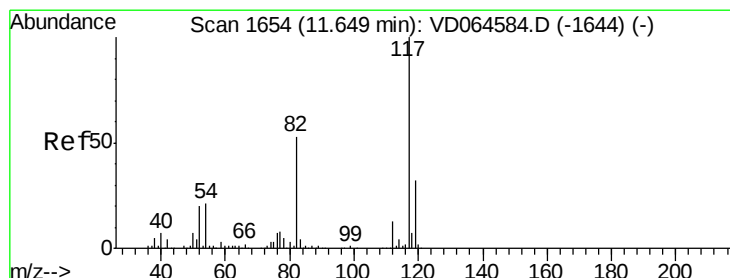
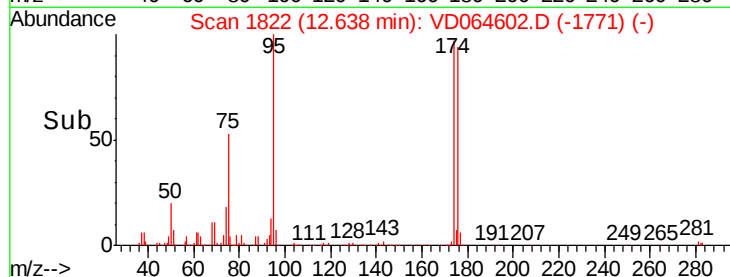
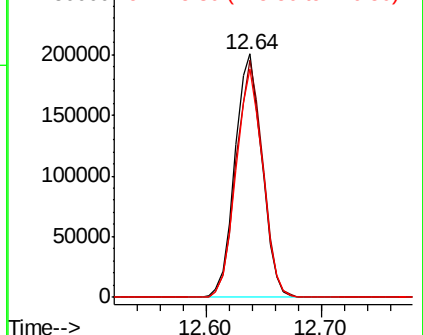
176 92.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

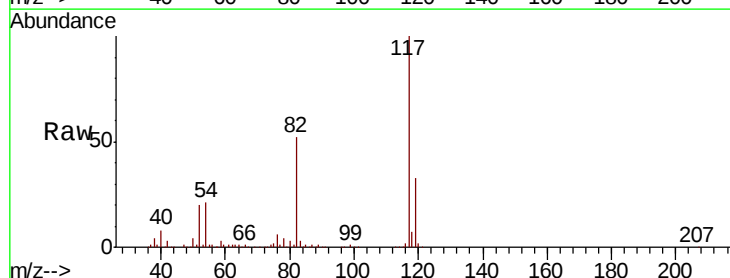
Tgt Ion: 117 Resp: 752783

Ion Ratio Lower Upper

117 100

82 52.4 42.2 63.4

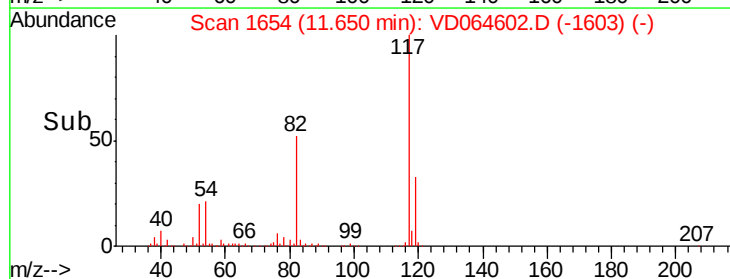
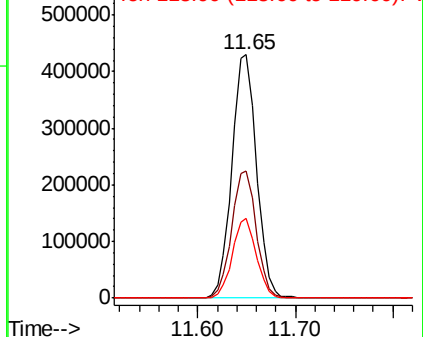
119 32.8 26.0 39.0

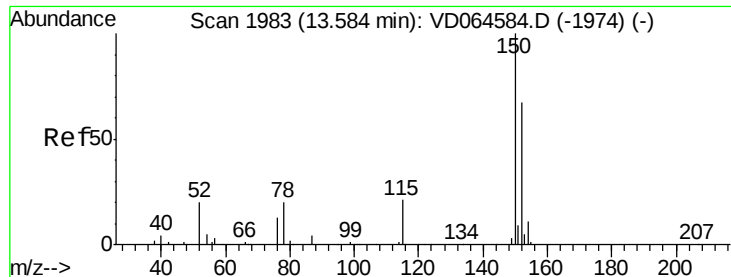


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

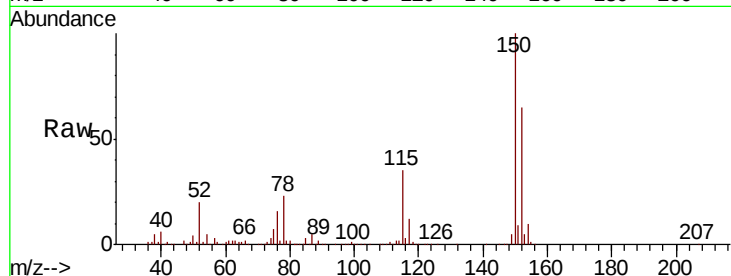
Tot Ion:152 Resp: 376010

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

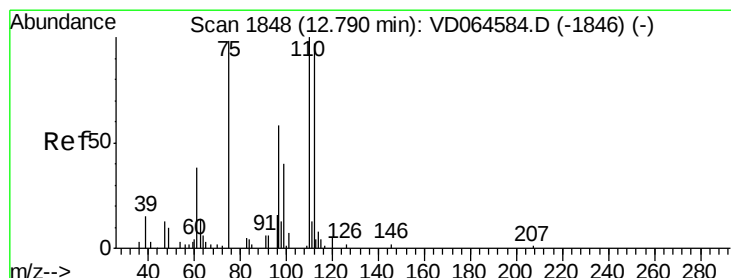
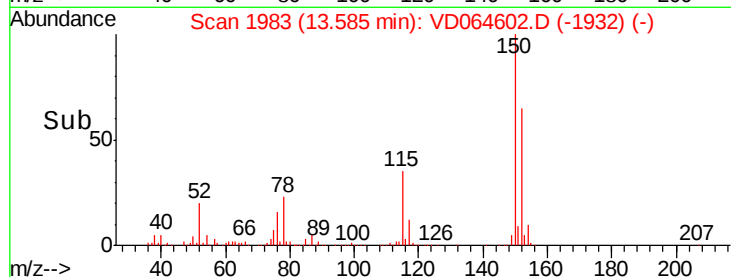
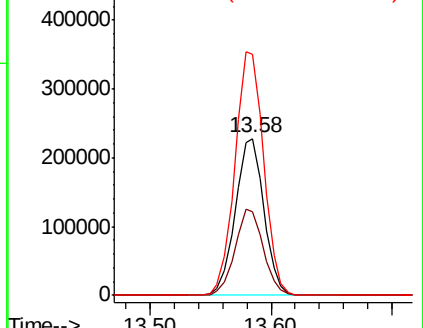
150 156.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 58.521 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064602.D

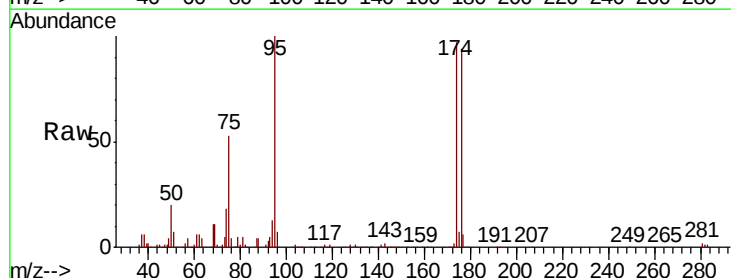
Acq: 26 Dec 2019 16:35

Tgt Ion: 75 Resp: 173762

Ion Ratio Lower Upper

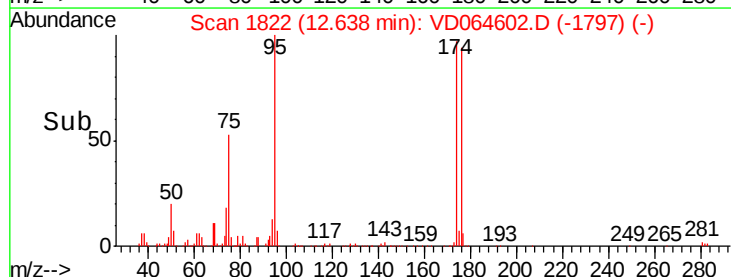
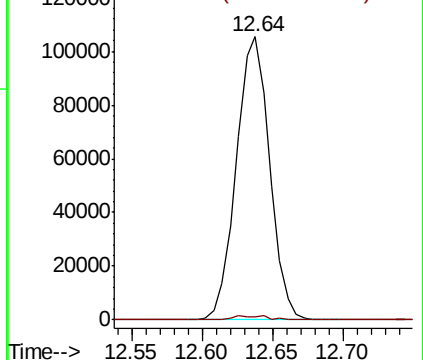
75 100

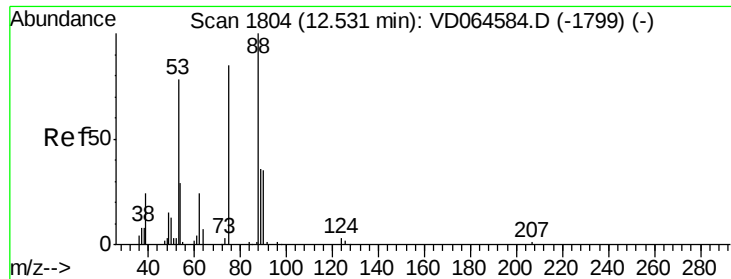
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 122.396 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064602.D

Acq: 26 Dec 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(1-3)

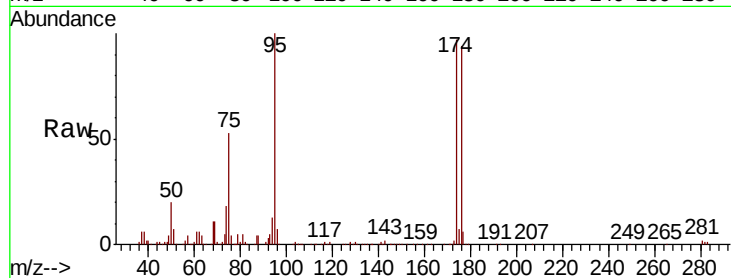
Tot Ion: 75 Resp: 173762

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

