

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064474.D
 Acq On : 09 Dec 2019 16:50
 Operator : VA/SY
 Sample : K6205-02
 Misc : 12.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 02:45:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

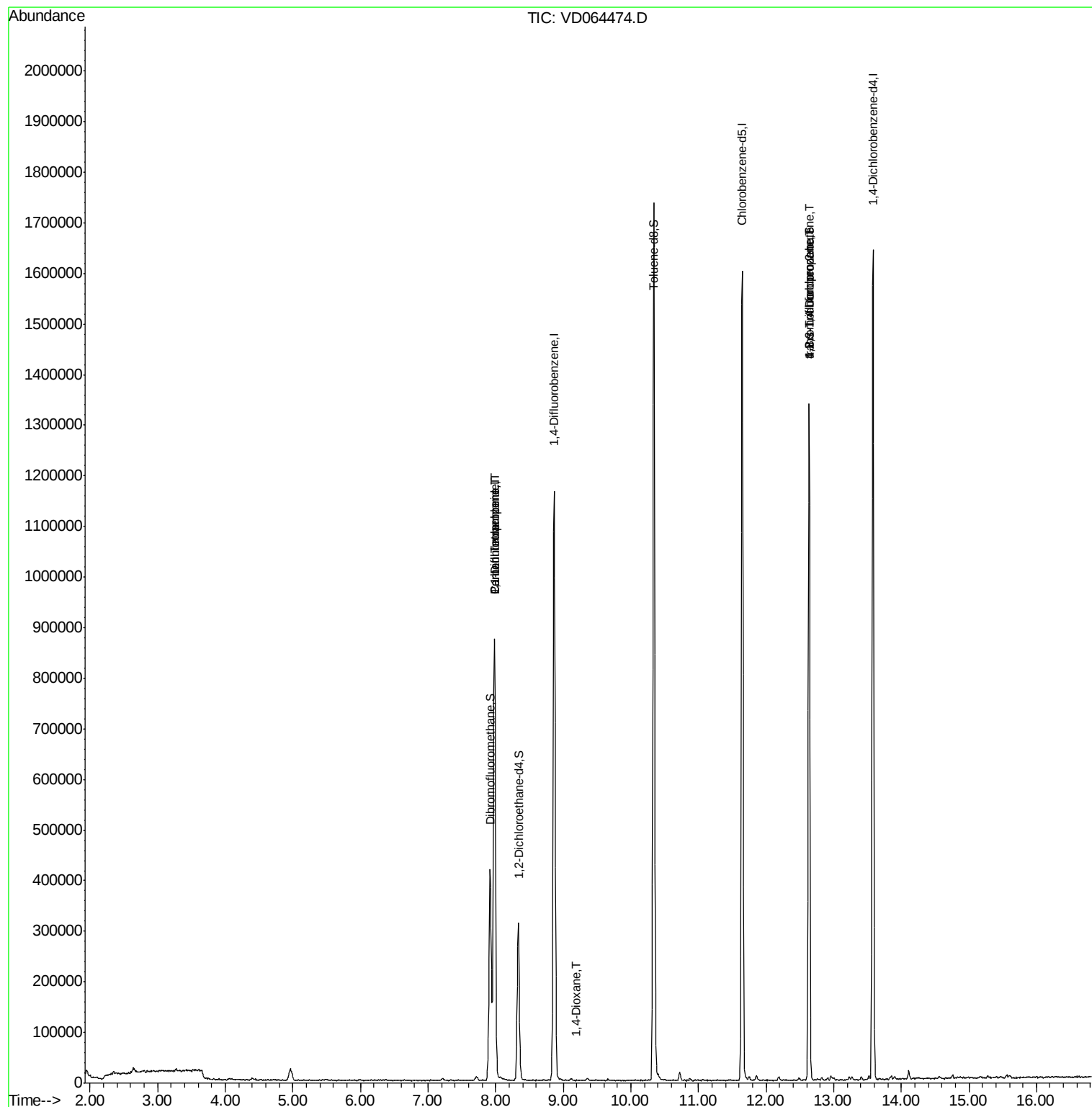
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	712553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1017953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	925121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	450157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	245683	38.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.18%	
35) Dibromofluoromethane	7.92	113	290851	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
50) Toluene-d8	10.34	98	1205426	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.64	95	399508	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.97	84	16248	Below Cal		90
31) Cyclohexane	7.98	56	14992	Below Cal	#	18
36) 1,1-Dichloropropene	7.98	75	50189	5.213	ug/l #	50
38) Carbon Tetrachloride	7.98	117	66474	6.541	ug/l #	16
49) 1,4-Dioxane	9.18	88	70	1.570	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	207112	55.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	207112	121.993	ug/l #	9

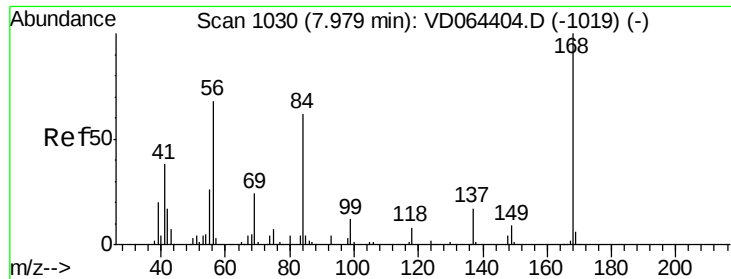
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120919\
Data File : VD064474.D
Acq On : 09 Dec 2019 16:50
Operator : VA/SY
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MSVOA_D
ClientSampleId :

Quant Time: Dec 10 02:45:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

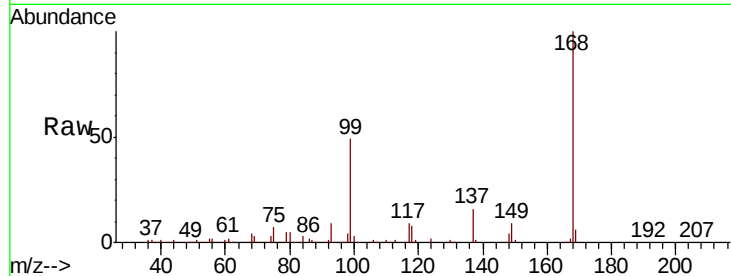
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 712553

Ion Ratio Lower Upper

168 100

99 49.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

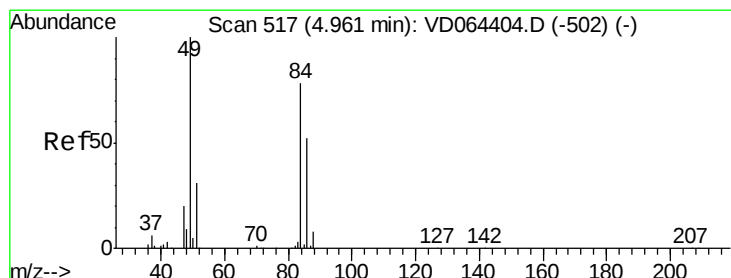
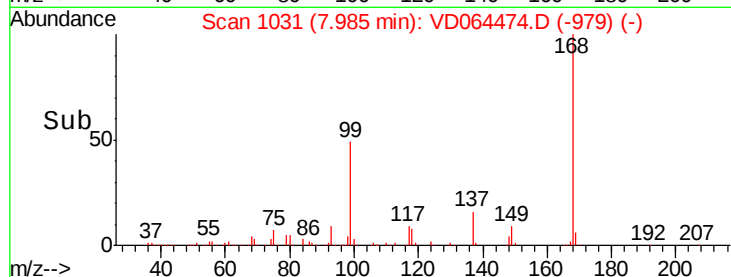
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

Tgt Ion: 84 Resp: 16248

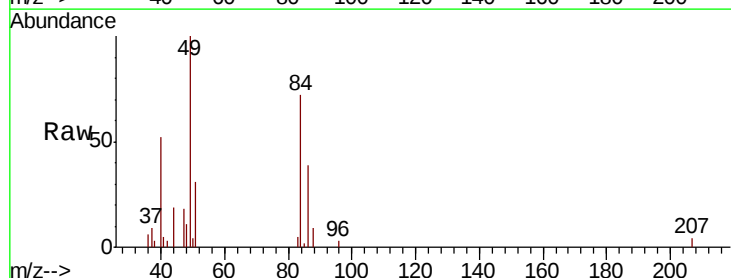
Ion Ratio Lower Upper

84 100

49 138.1 102.6 153.8

51 42.5 32.0 48.0

86 54.2 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): 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

10000

8000

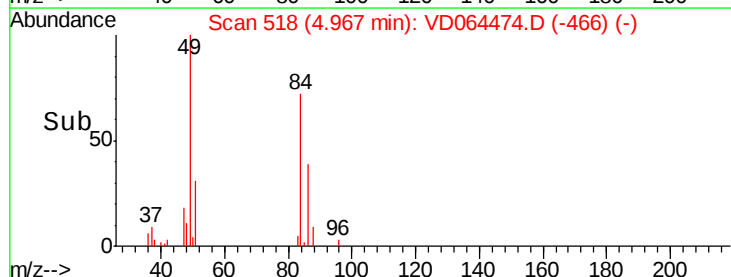
6000

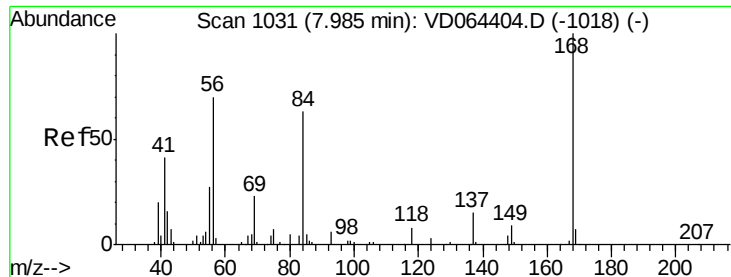
4000

2000

0

Time-->

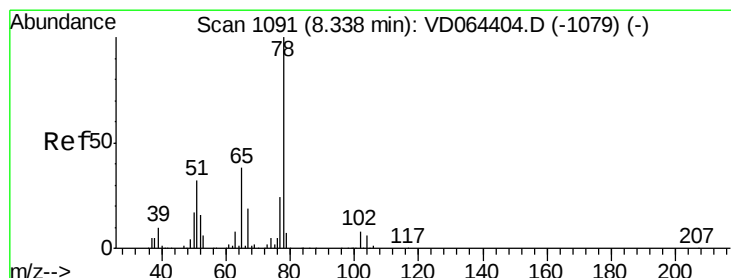
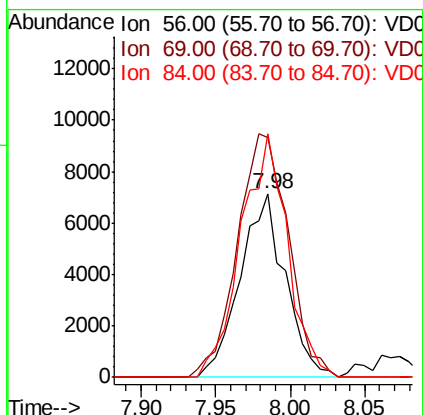
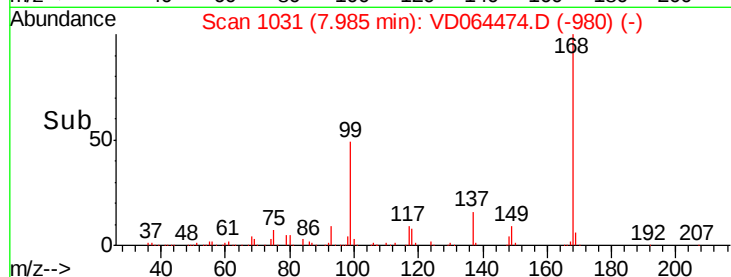
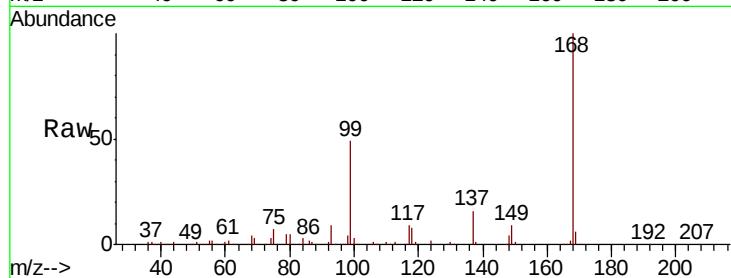




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064474.D
Acq: 09 Dec 2019 16:50

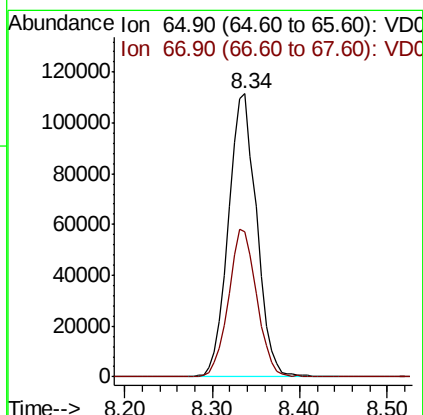
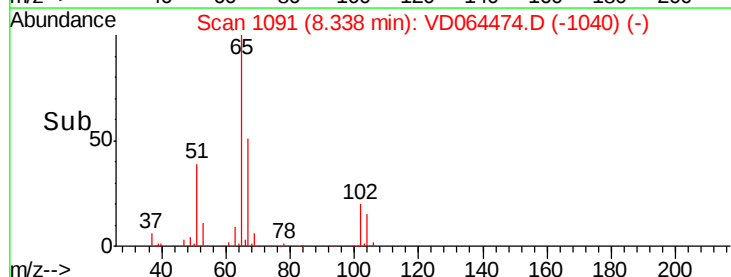
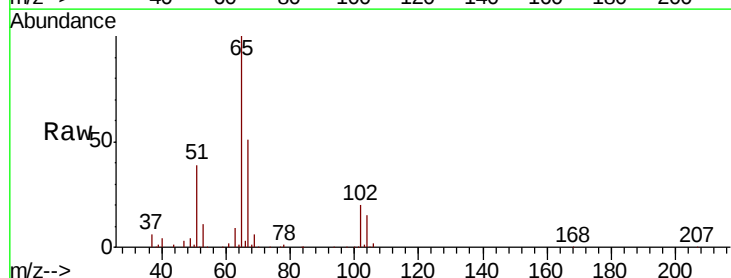
Instrument :
MSVOA_D
ClientSampleId :

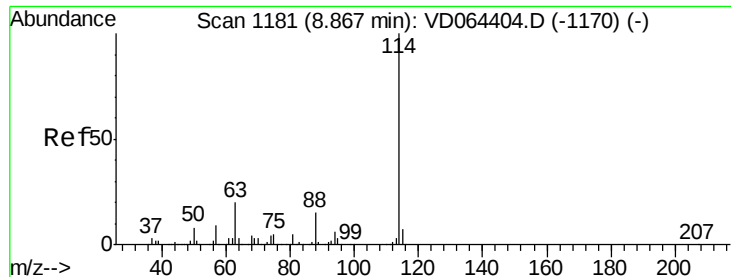
Tot Ion: 56 Resp: 14992
Ion Ratio Lower Upper
56 100
69 130.5 26.2 39.4#
84 132.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 38.092 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064474.D
Acq: 09 Dec 2019 16:50

Tgt Ion: 65 Resp: 245683
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0

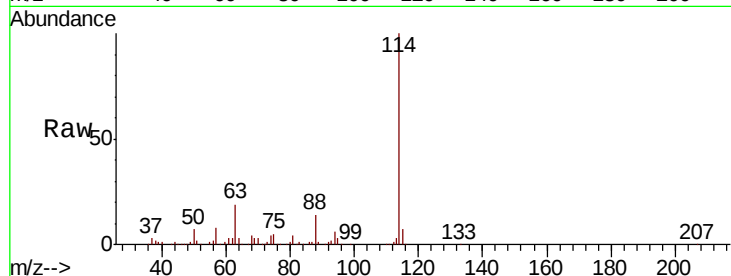




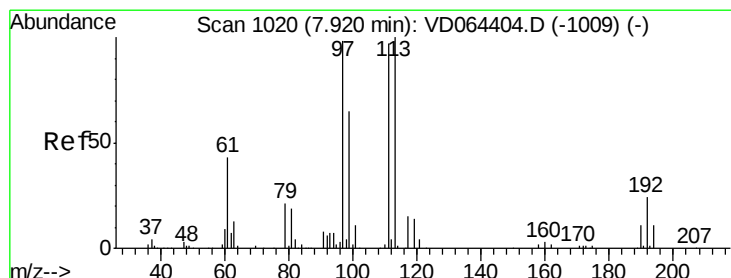
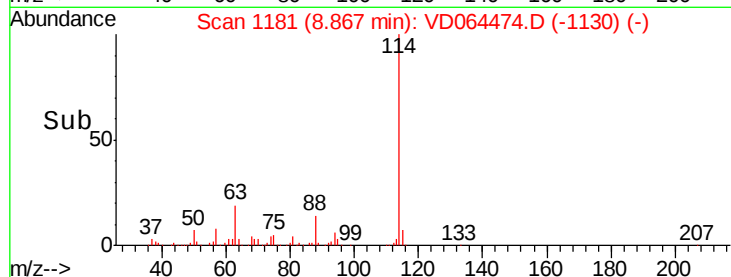
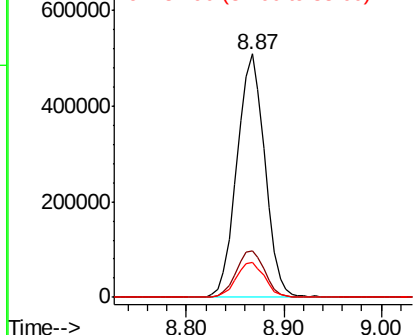
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064474.D
 Acq: 09 Dec 2019 16:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1017953
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.2 0.0 29.2

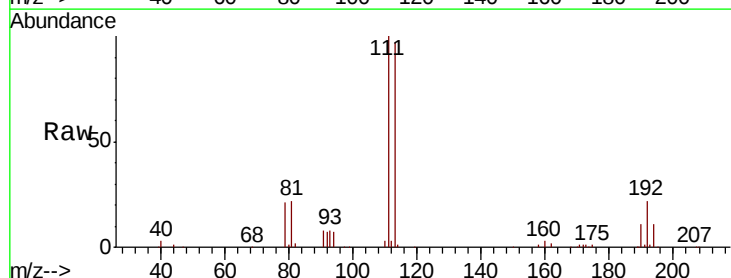


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

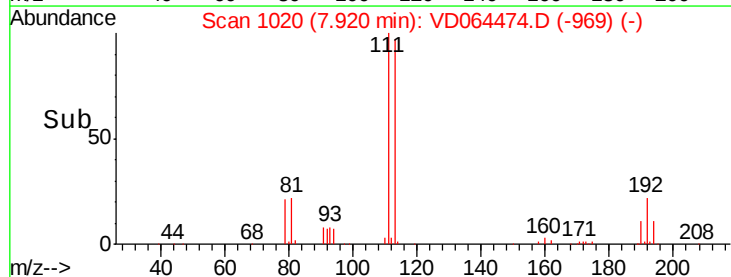
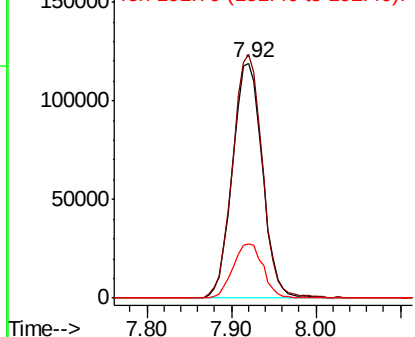


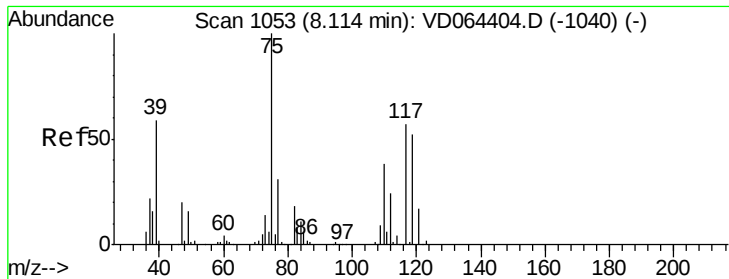
#35
 Dibromofluoromethane
 Concen: 45.349 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064474.D
 Acq: 09 Dec 2019 16:50

Tgt Ion:113 Resp: 290851
 Ion Ratio Lower Upper
 113 100
 111 102.6 79.4 119.2
 192 23.2 18.6 28.0



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: 5.213 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

Instrument :
MSVOA_D
ClientSampled :

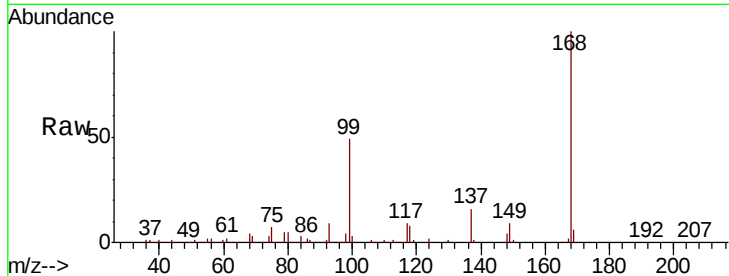
Tot Ion: 75 Resp: 50189

Ion Ratio Lower Upper

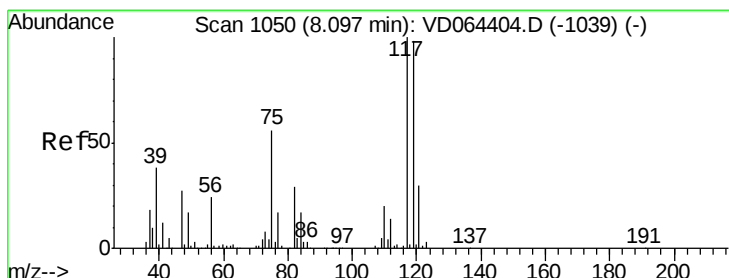
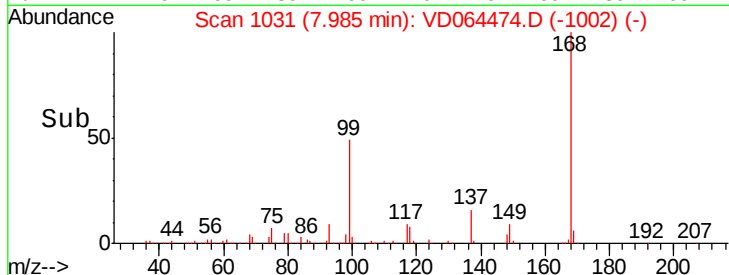
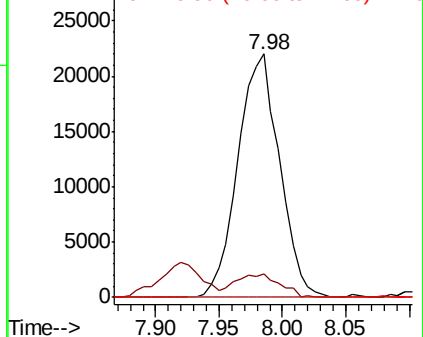
75 100

110 10.4 18.6 55.8#

77 0.0 25.0 37.4#



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



#38

Carbon Tetrachloride

Concen: 6.541 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

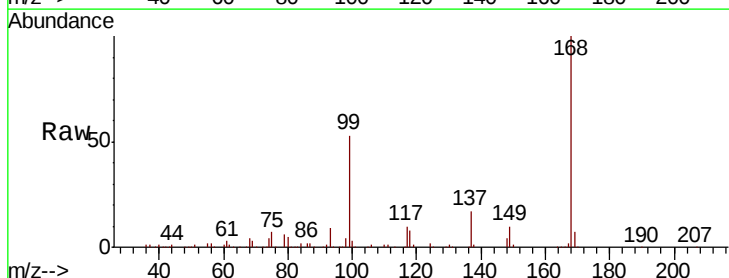
Tgt Ion: 117 Resp: 66474

Ion Ratio Lower Upper

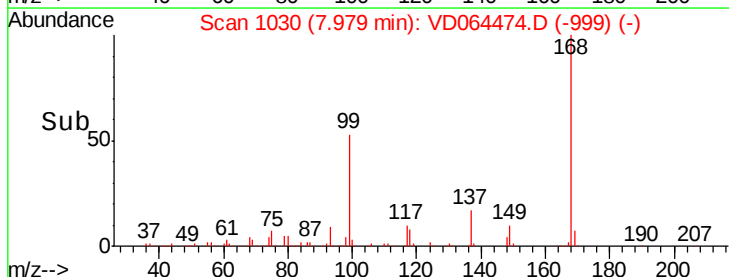
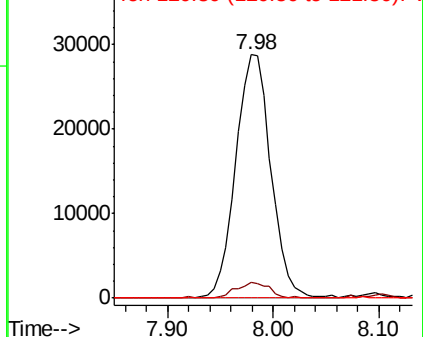
117 100

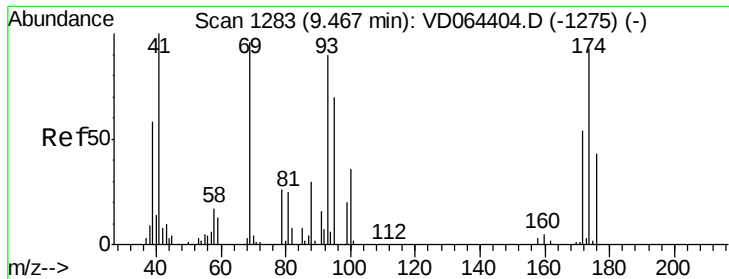
119 6.7 78.8 118.2#

121 0.0 24.2 36.2#



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





#49

1,4-Dioxane

Concen: 1.570 ug/l

RT: 9.18 min Scan# 1235

Delta R.T. -0.28 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

Instrument :
MSVOA_D
ClientSampled :

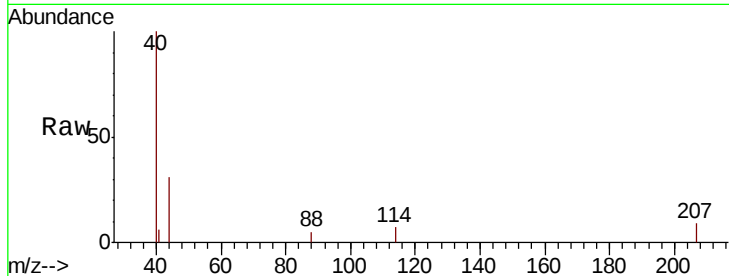
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

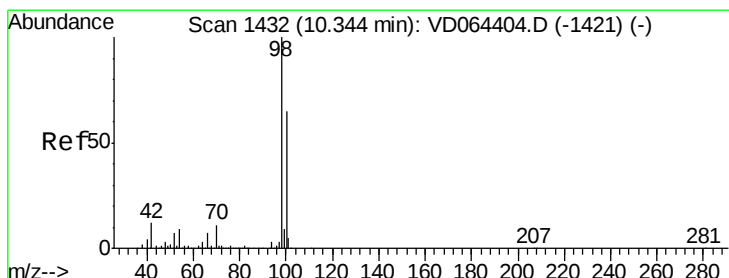
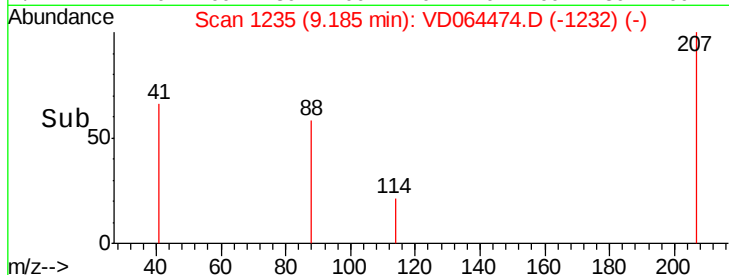
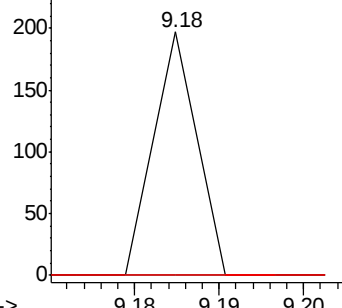
88 100

43 0.0 26.7 40.1#

58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.895 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064474.D

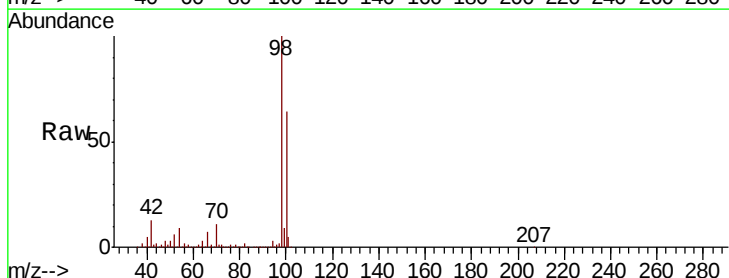
Acq: 09 Dec 2019 16:50

Tgt Ion: 98 Resp: 1205426

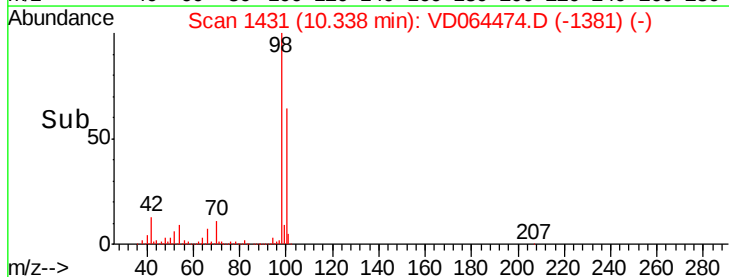
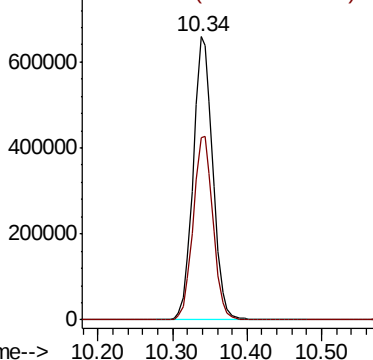
Ion Ratio Lower Upper

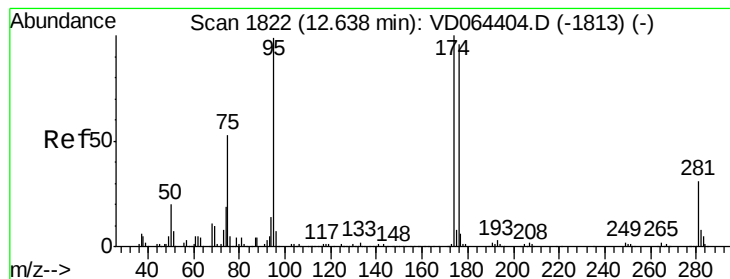
98 100

100 65.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 51.455 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

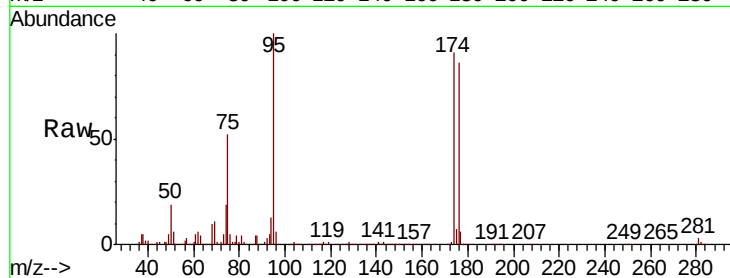
Tot Ion: 95 Resp: 399508

Ion Ratio Lower Upper

95 100

174 93.8 0.0 197.2

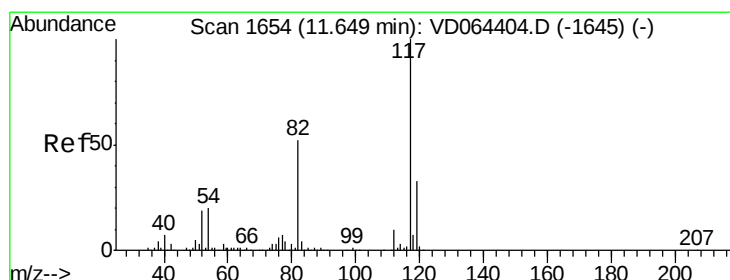
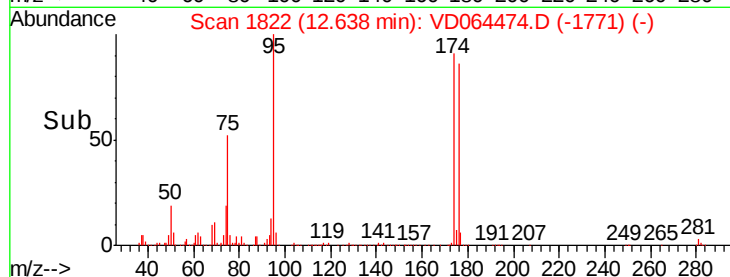
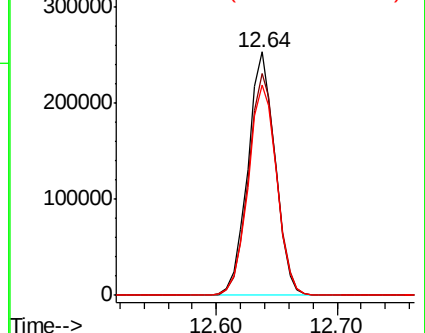
176 90.2 0.0 189.6



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: VD064474.D

Acq: 09 Dec 2019 16:50

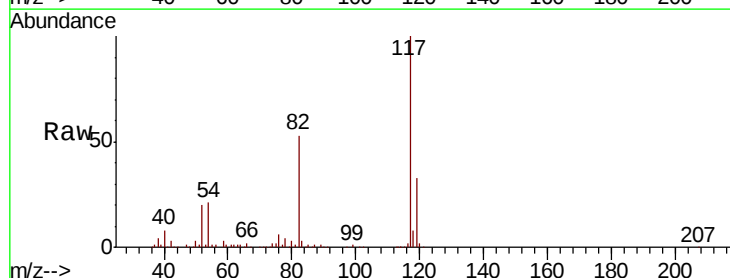
Tgt Ion: 117 Resp: 925121

Ion Ratio Lower Upper

117 100

82 53.0 41.4 62.2

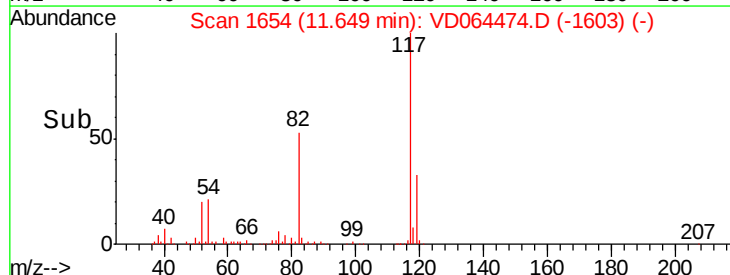
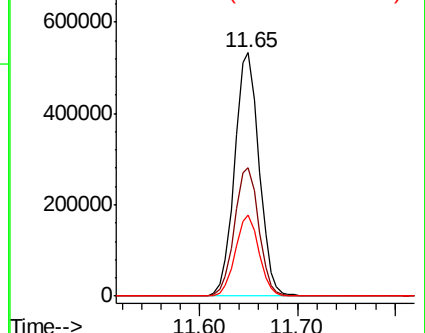
119 33.1 26.2 39.2

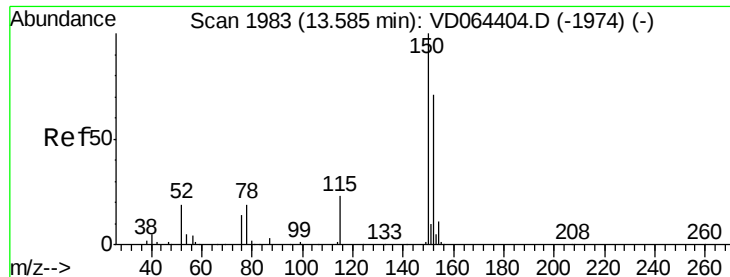


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064474.D

Acq: 09 Dec 2019 16:50

Instrument :

MSVOA_D

ClientSampled :

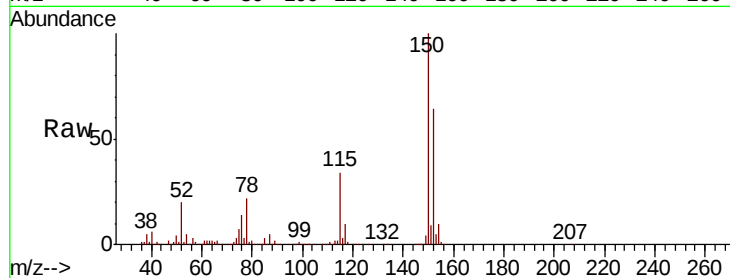
Tot Ion:152 Resp: 450157

Ion Ratio Lower Upper

152 100

115 54.2 26.7 80.1

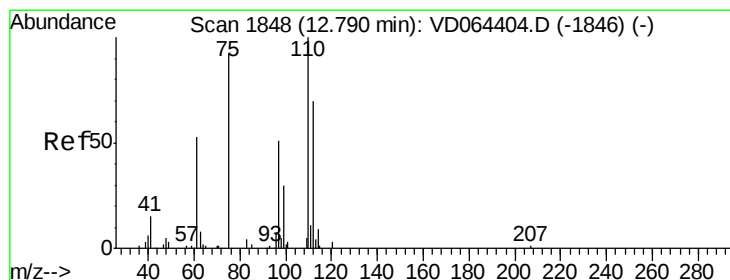
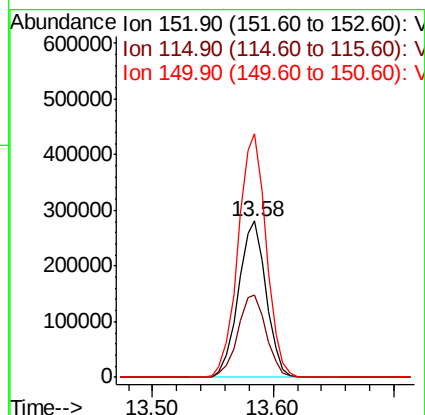
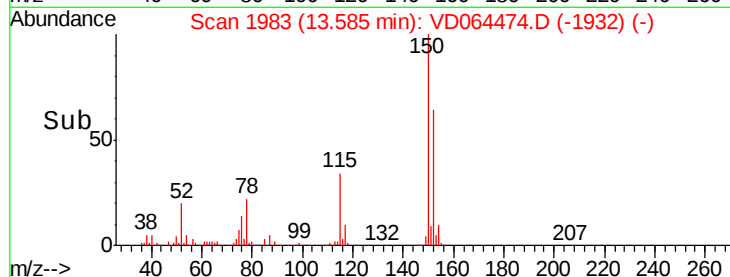
150 157.6 0.0 347.2



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: 55.947 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064474.D

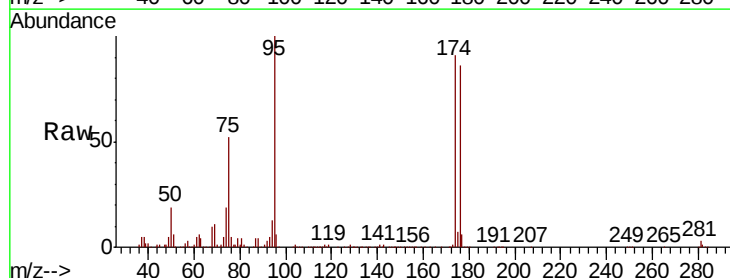
Acq: 09 Dec 2019 16:50

Tgt Ion: 75 Resp: 207112

Ion Ratio Lower Upper

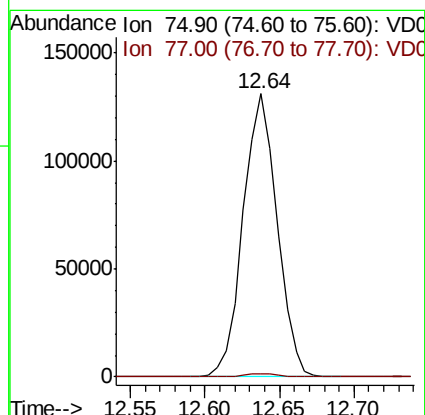
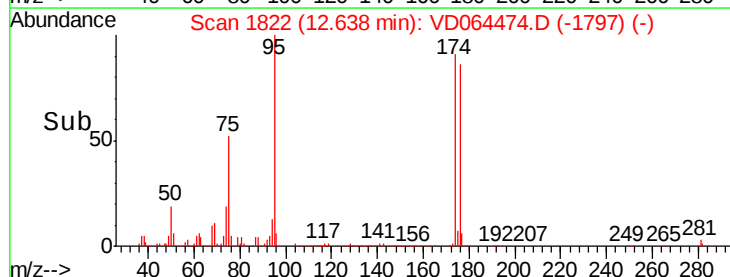
75 100

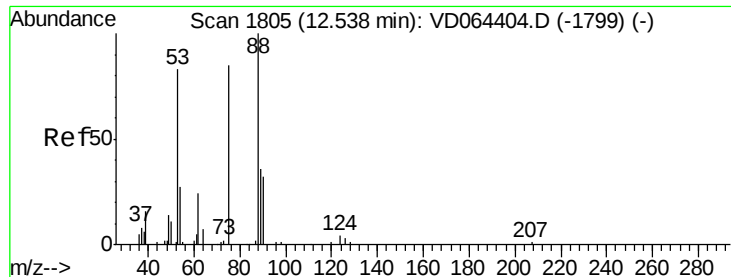
77 1.2 0.0 0.0#



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: 121.993 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064474.D

Acq: 09 Dec 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

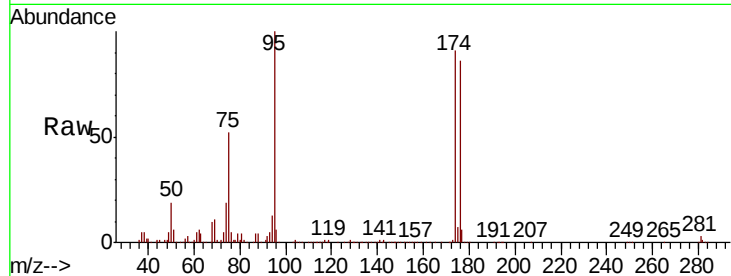
Tot Ion: 75 Resp: 207112

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#



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

