

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064252.D
 Acq On : 16 Nov 2019 04:54
 Operator : VA/SY
 Sample : K5861-10
 Misc : 5.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:45:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	994940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1408269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1221971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	597095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	420923	51.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.88%	
35) Dibromofluoromethane	7.92	113	427695	52.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.82%	
50) Toluene-d8	10.34	98	1638324	53.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	523023	49.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.06%	

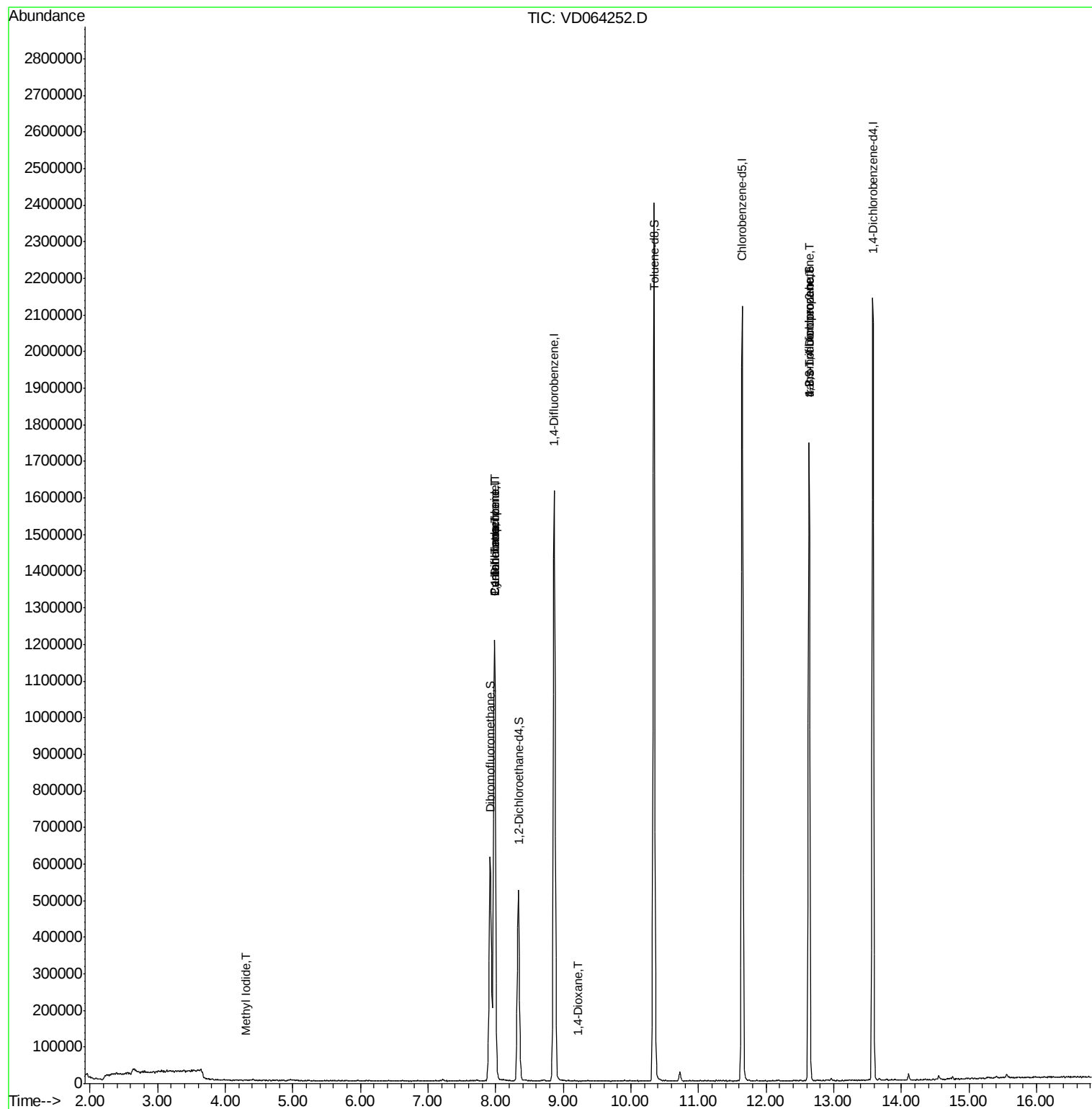
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	140	2.045	ug/l #	41
31) Cyclohexane	7.98	56	19079	1.188	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	65573	5.045	ug/l #	49
38) Carbon Tetrachloride	7.98	117	91232	6.560	ug/l #	16
49) 1,4-Dioxane	9.21	88	61	1.097	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	273413	56.850	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	273413	112.925	ug/l #	10

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

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QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

Instrument :

MSVOA_D

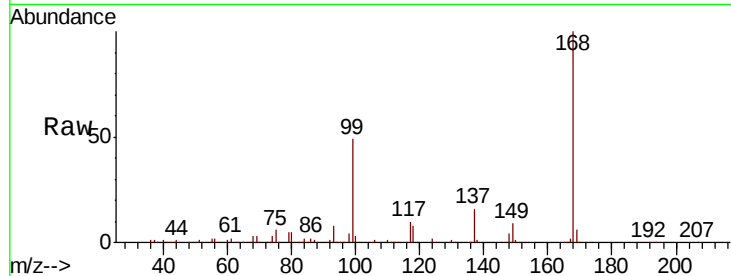
ClientSampleId :

Tot Ion:168 Resp: 994940

Ion Ratio Lower Upper

168 100

99 49.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

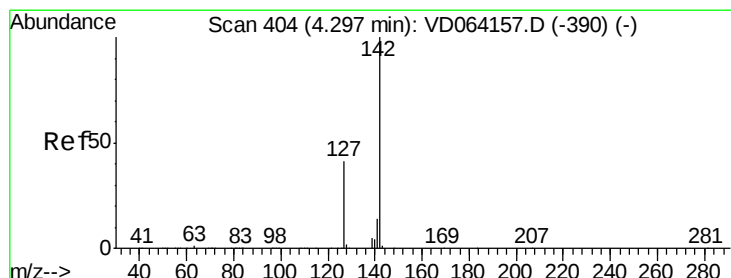
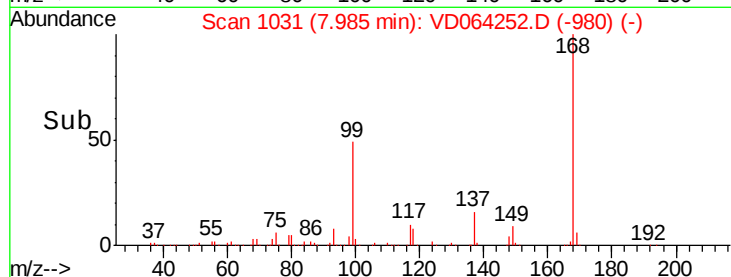
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.045 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

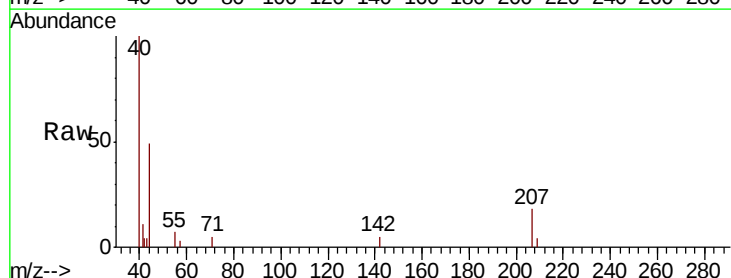
Tgt Ion:142 Resp: 140

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

500

400

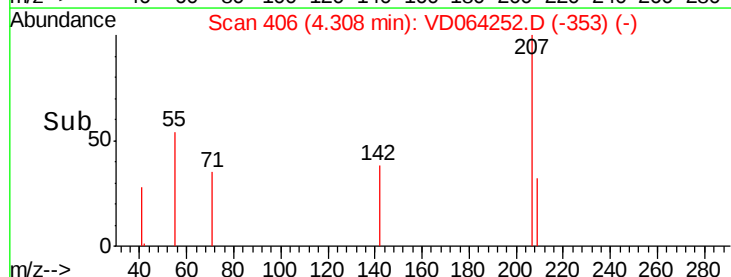
300

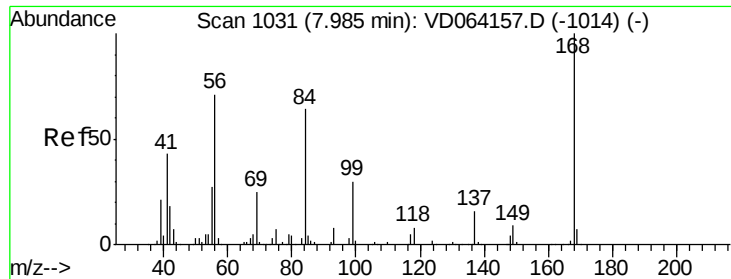
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

Instrument :

MSVOA_D

ClientSampleId :

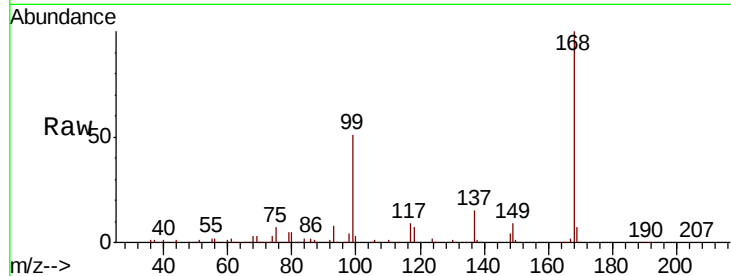
Tot Ion: 56 Resp: 19079

Ion Ratio Lower Upper

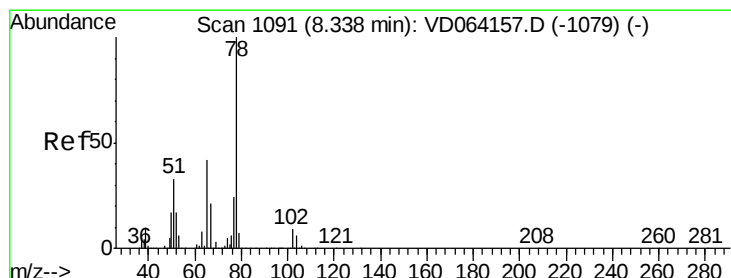
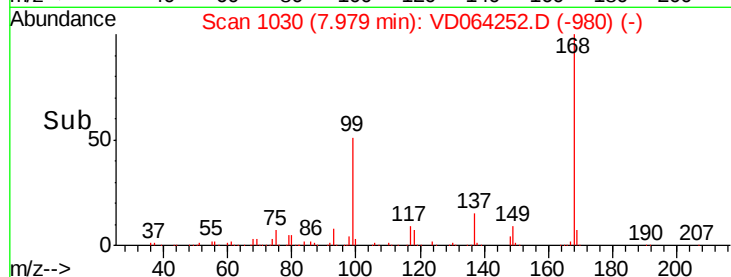
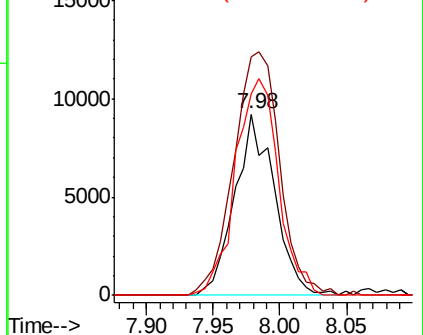
56 100

69 131.9 28.2 42.4#

84 111.6 71.8 107.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 51.440 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064252.D

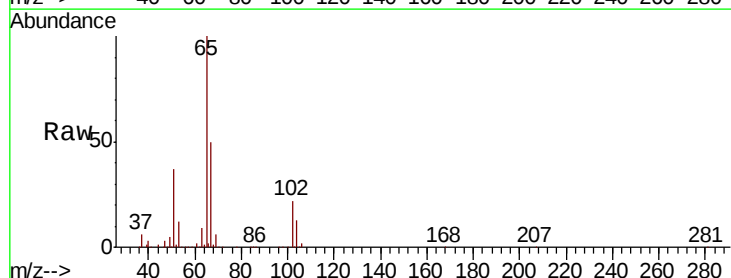
Acq: 16 Nov 2019 04:54

Tgt Ion: 65 Resp: 420923

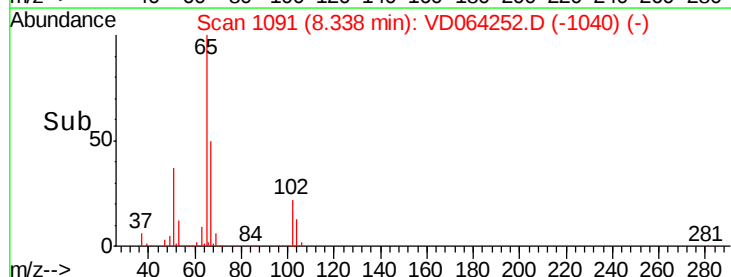
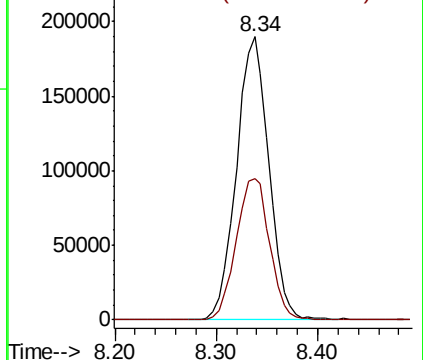
Ion Ratio Lower Upper

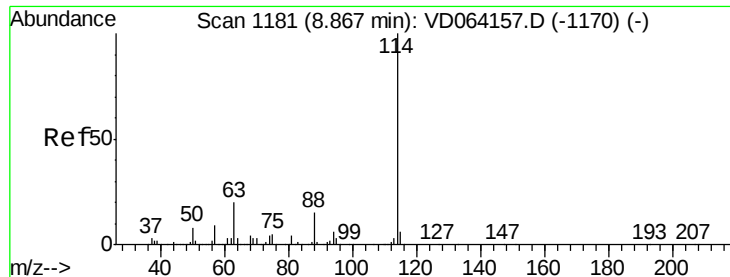
65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

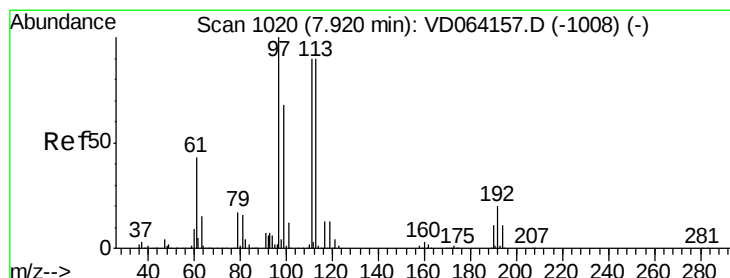
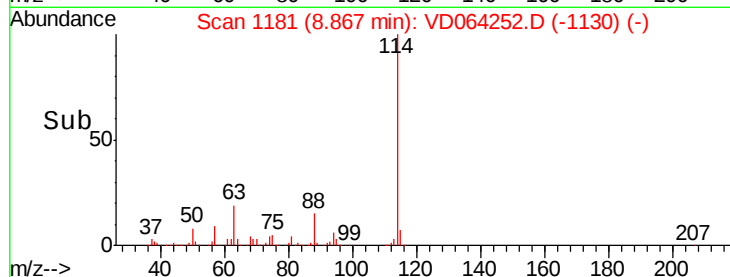
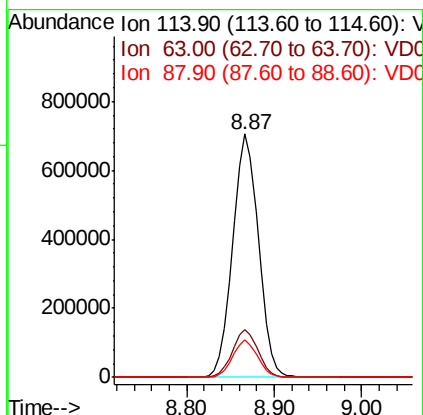
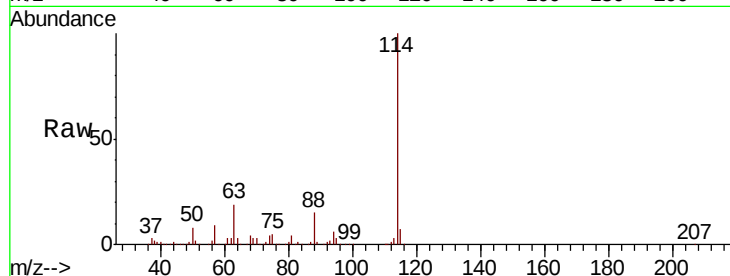




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064252.D
 Acq: 16 Nov 2019 04:54

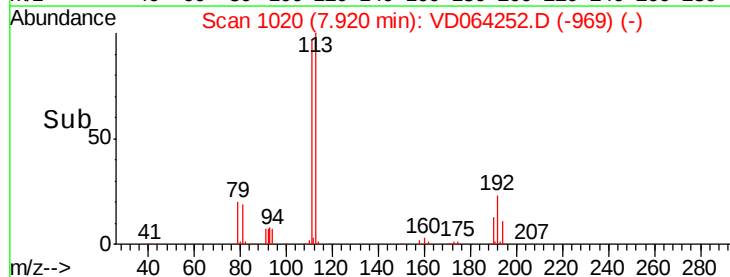
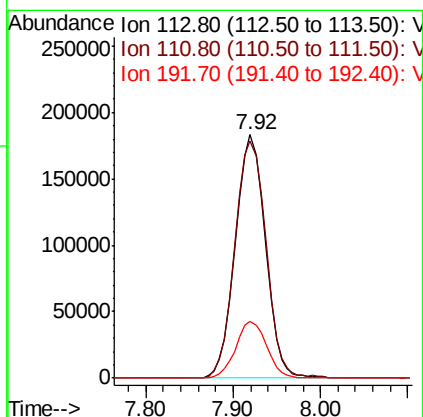
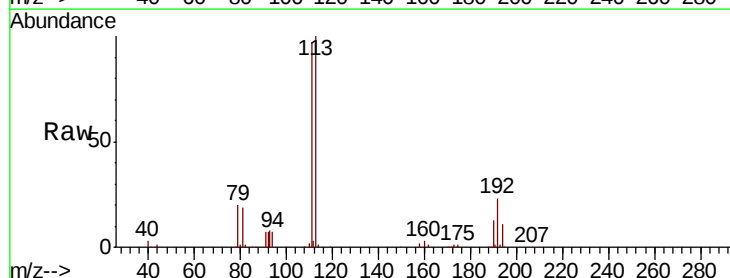
Instrument :
 MSVOA_D
 ClientSampleId :

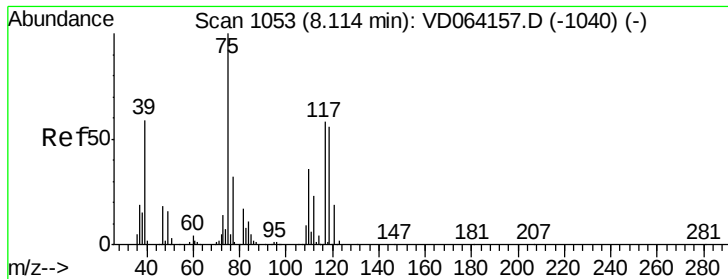
Tot Ion:114 Resp: 1408269
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 52.908 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064252.D
 Acq: 16 Nov 2019 04:54

Tgt Ion:113 Resp: 427695
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.5 122.3
 192 23.7 18.8 28.2





#36

1,1-Dichloropropene

Concen: 5.045 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

Instrument :

MSVOA_D

ClientSampleId :

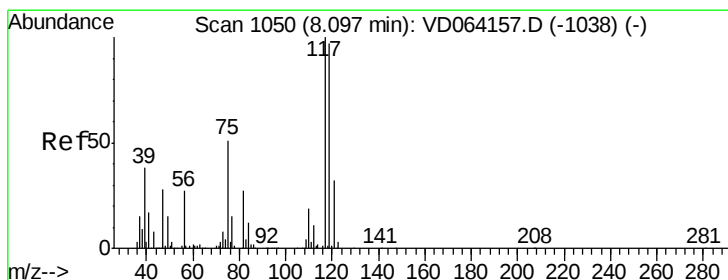
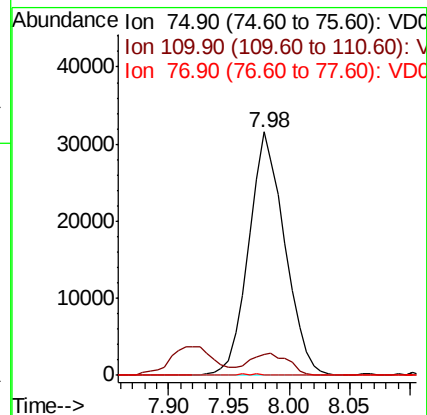
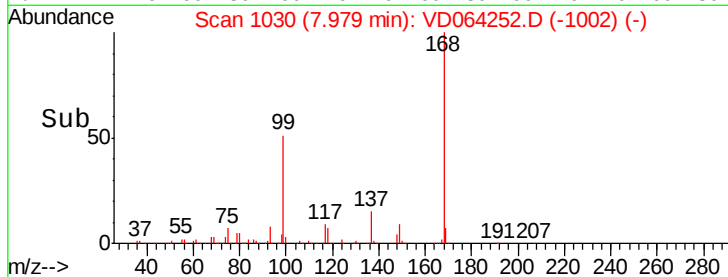
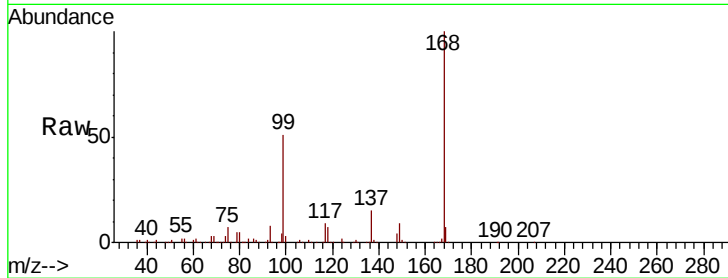
Tot Ion: 75 Resp: 65573

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.9#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.560 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

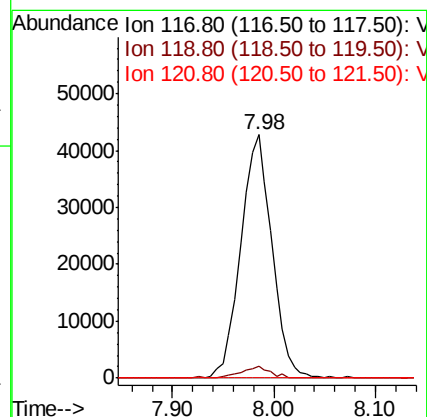
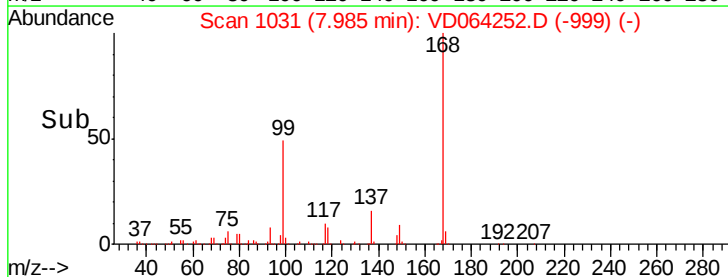
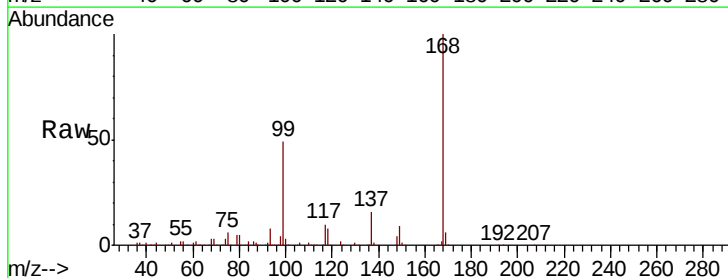
Tgt Ion: 117 Resp: 91232

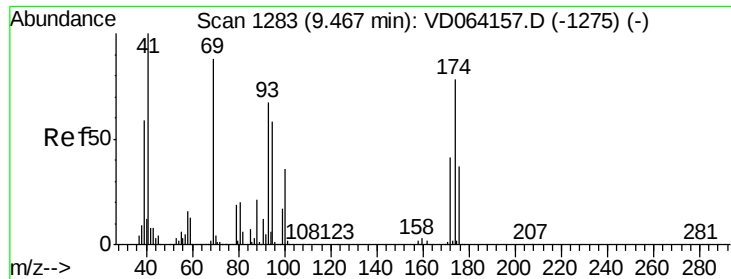
Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

121 0.0 25.5 38.3#

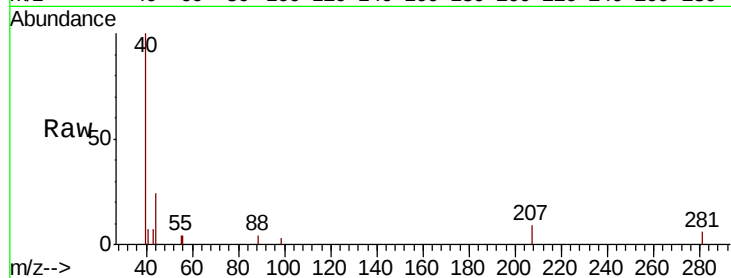




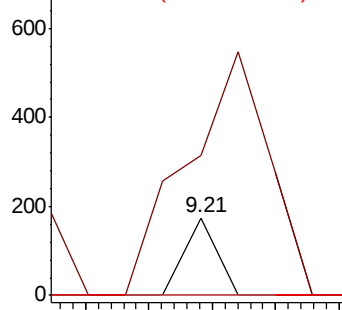
#49
1,4-Dioxane
Concen: 1.097 ug/l
RT: 9.21 min Scan# 1239
Delta R.T. -0.26 min
Lab File: VD064252.D
Acq: 16 Nov 2019 04:54

Instrument :
MSVOA_D
ClientSampleId :

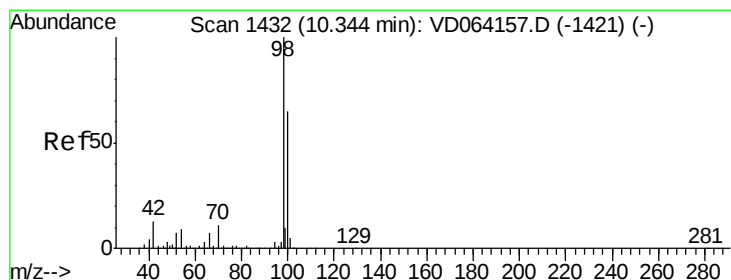
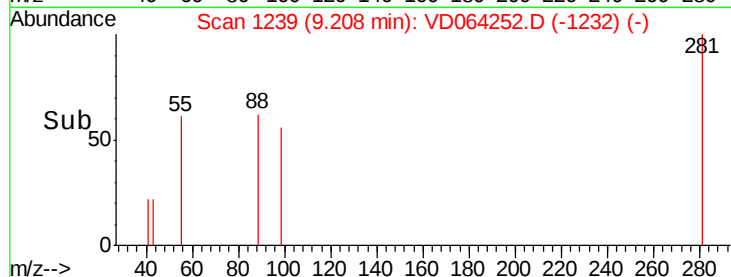
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 809.8 29.8 44.8#
58 0.0 58.1 87.1#



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

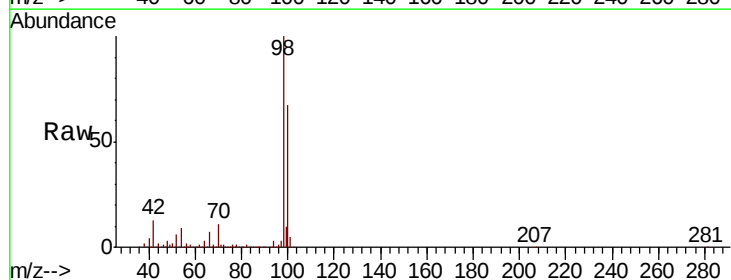


Time-->

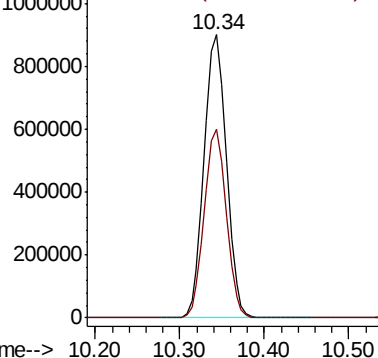


#50
Toluene-d8
Concen: 53.724 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064252.D
Acq: 16 Nov 2019 04:54

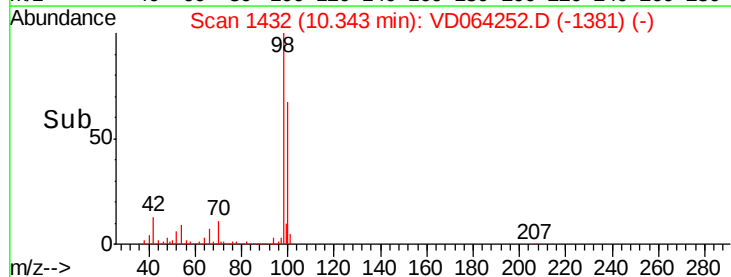
Tgt Ion: 98 Resp: 1638324
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

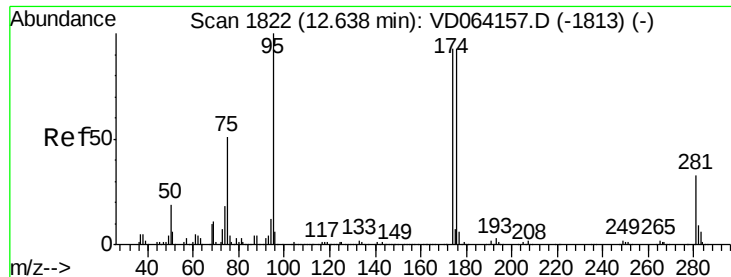


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time-->

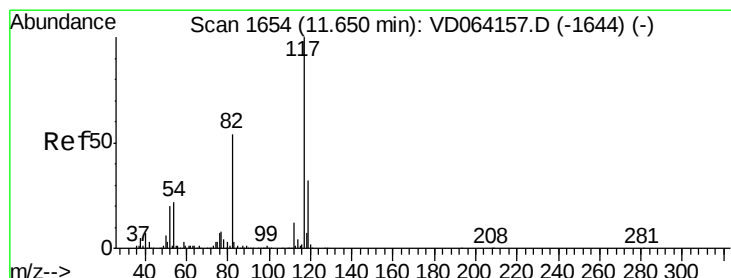
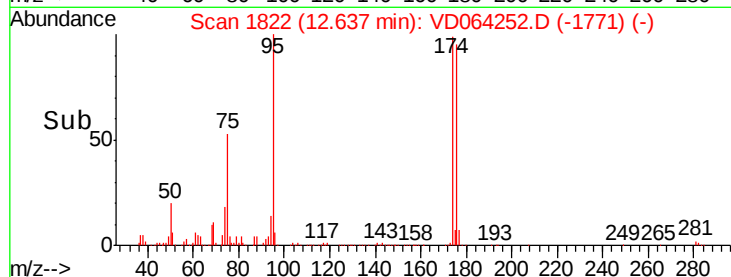
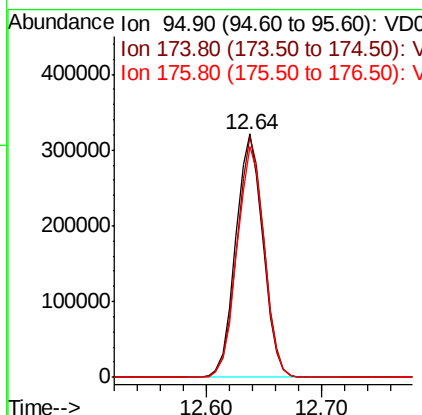
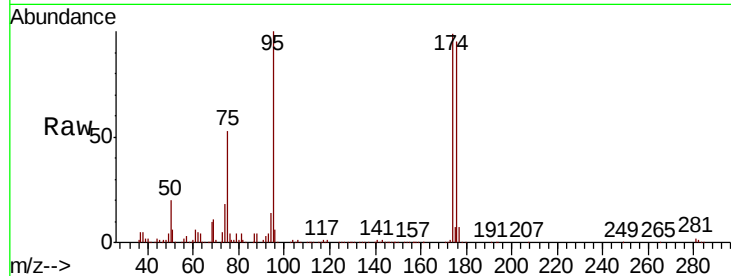




#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064252.D
Acq: 16 Nov 2019 04:54

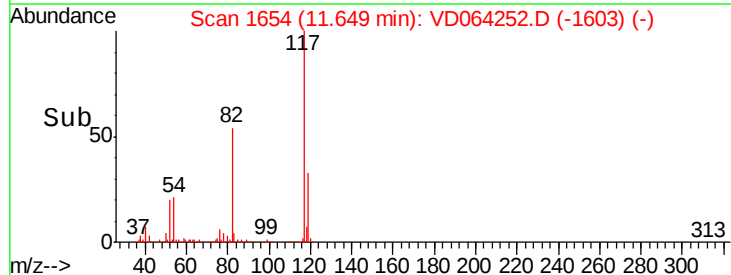
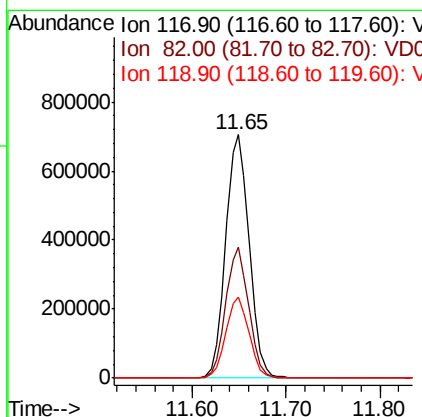
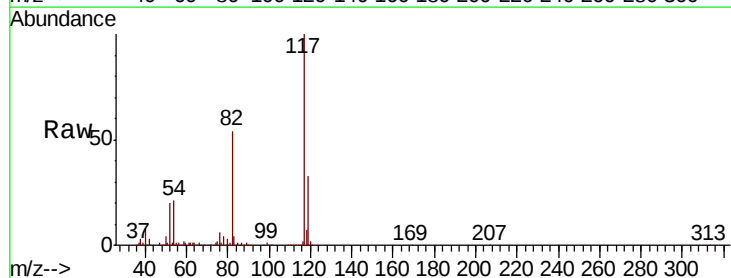
Instrument :
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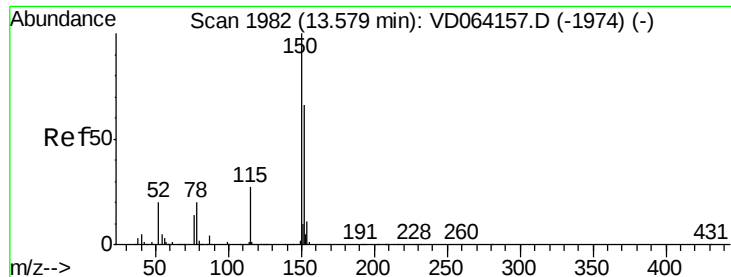
Tot Ion: 95 Resp: 523023
Ion Ratio Lower Upper
95 100
174 98.3 0.0 183.6
176 94.7 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064252.D
Acq: 16 Nov 2019 04:54

Tgt Ion: 117 Resp: 1221971
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 33.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

Instrument :

MSVOA_D

ClientSampleId :

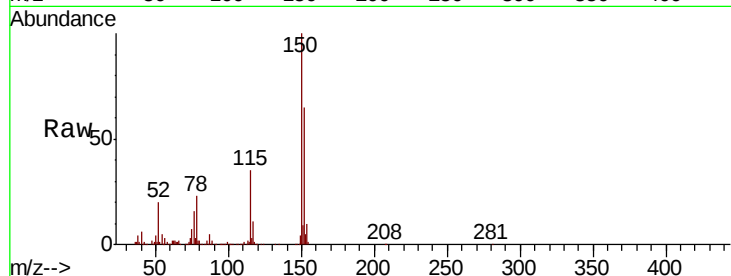
Tot Ion:152 Resp: 597095

Ion Ratio Lower Upper

152 100

115 53.5 27.4 82.2

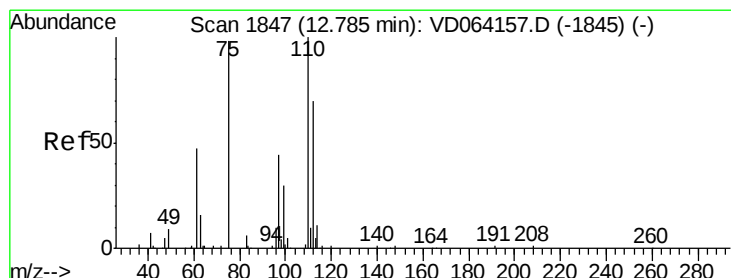
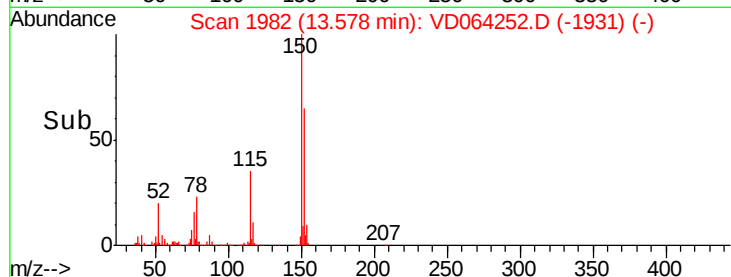
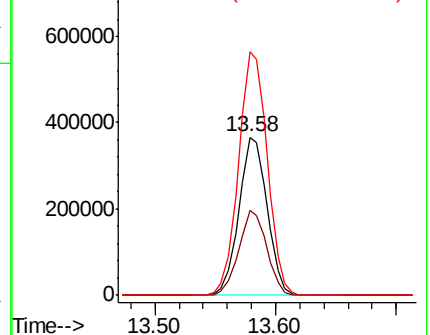
150 156.8 0.0 351.6



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: 56.850 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064252.D

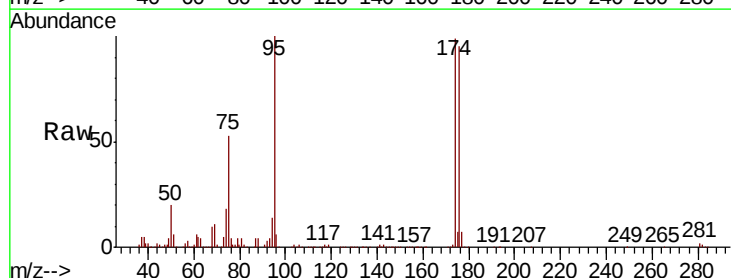
Acq: 16 Nov 2019 04:54

Tgt Ion: 75 Resp: 273413

Ion Ratio Lower Upper

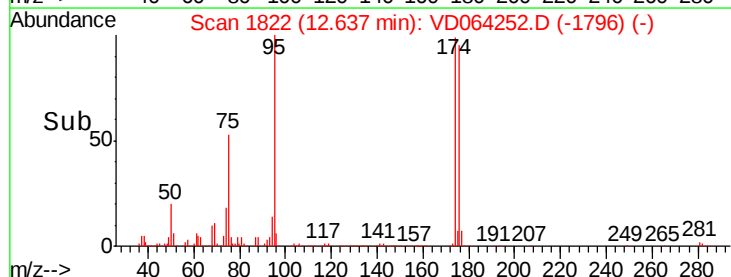
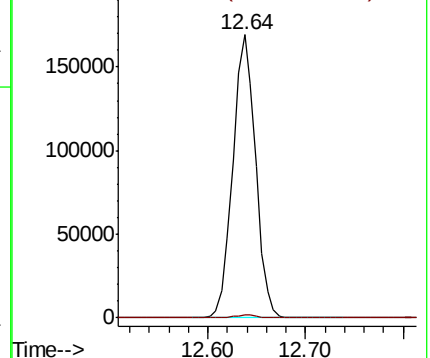
75 100

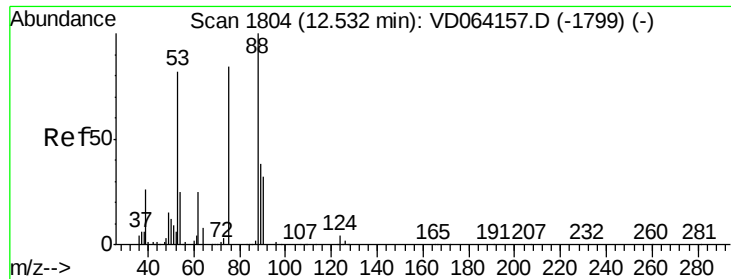
77 1.1 0.0 0.0#



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: 112.925 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064252.D

Acq: 16 Nov 2019 04:54

Instrument :

MSVOA_D

ClientSampleId :

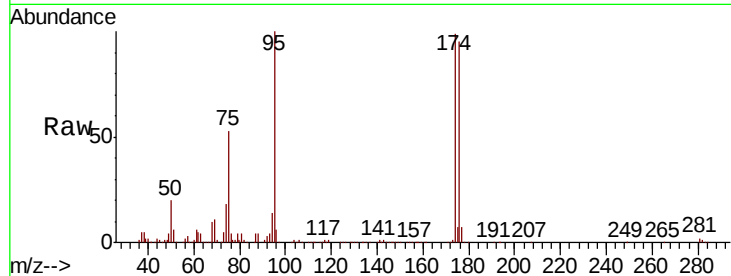
Tot Ion: 75 Resp: 273413

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

