

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064384.D
 Acq On : 26 Nov 2019 15:16
 Operator : VA/SY
 Sample : K6024-01
 Misc : 6.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:51:25 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	7.99	168	754863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1120076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	972646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	443070	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	313521	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
35) Dibromofluoromethane	7.92	113	334873	52.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.16%	
50) Toluene-d8	10.34	98	1302784	53.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.64	95	403239	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	

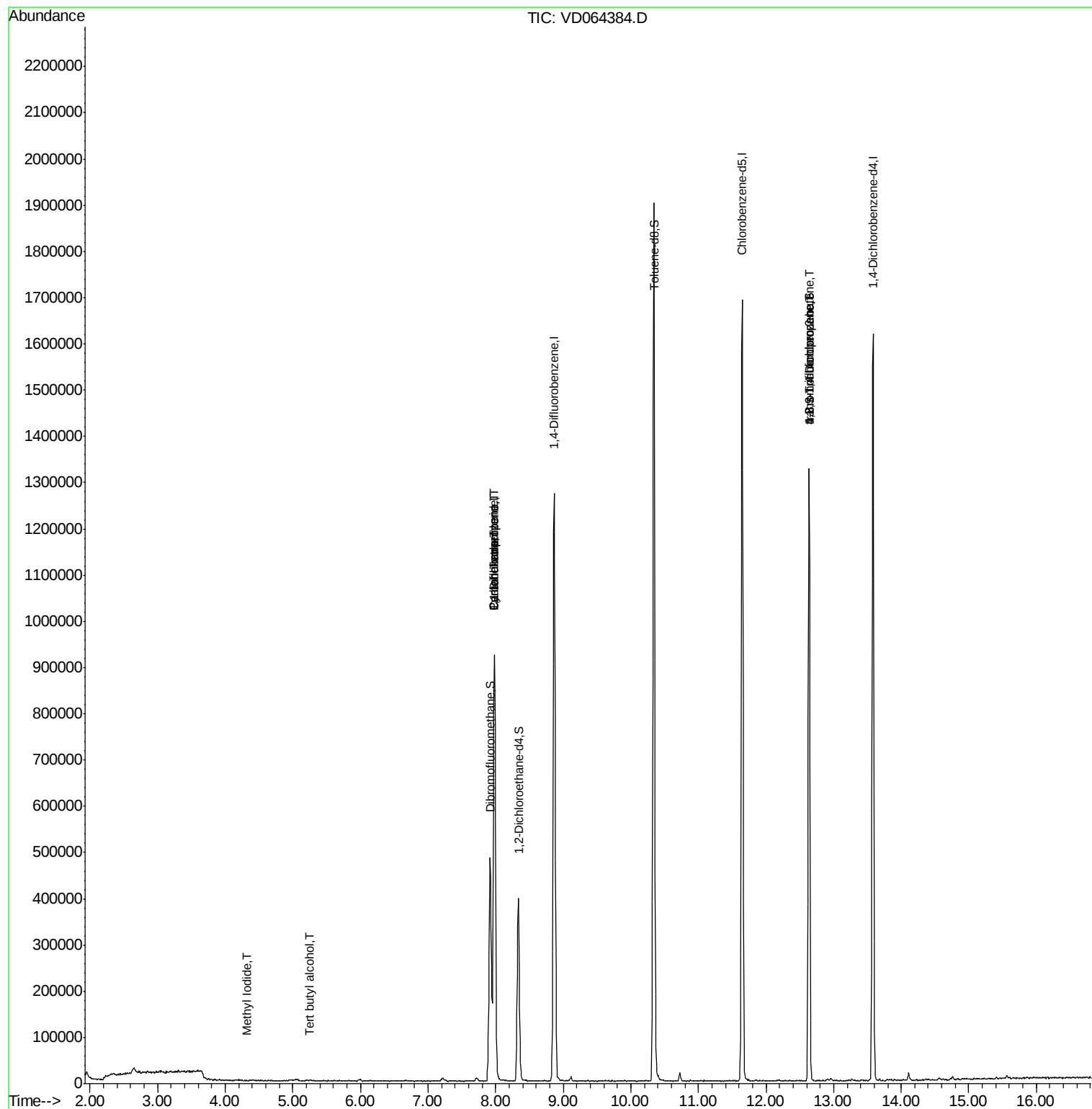
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	335	2.074	ug/l #	41
11) Tert butyl alcohol	5.25	59	1200	2.767	ug/l #	69
31) Cyclohexane	7.99	56	15224	1.249	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	51363	4.969	ug/l #	50
38) Carbon Tetrachloride	7.98	117	66724	6.032	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	209268	58.638	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	209268	116.479	ug/l #	10

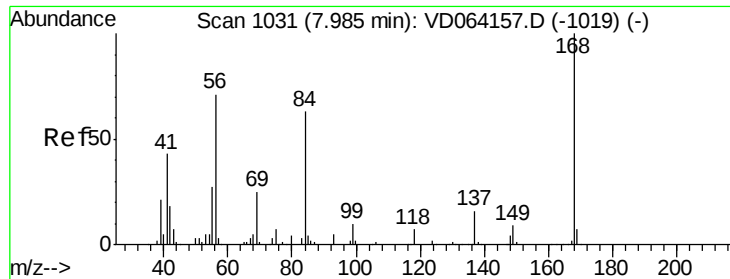
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 6.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 27 05:51:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 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: VD064384.D

Acq: 26 Nov 2019 15:16

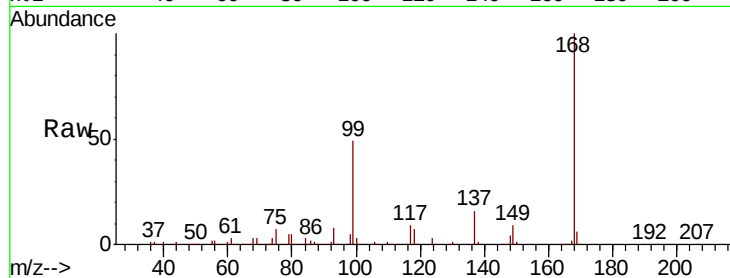
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 754863

Ion Ratio Lower Upper

168 100

99 48.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

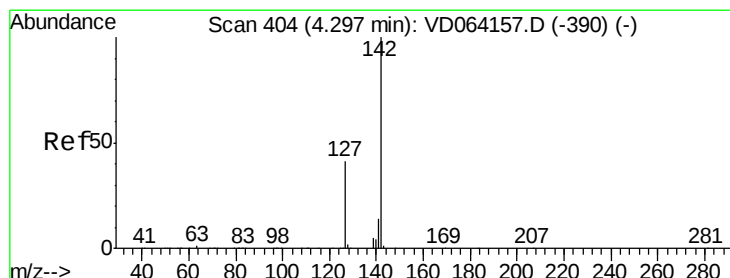
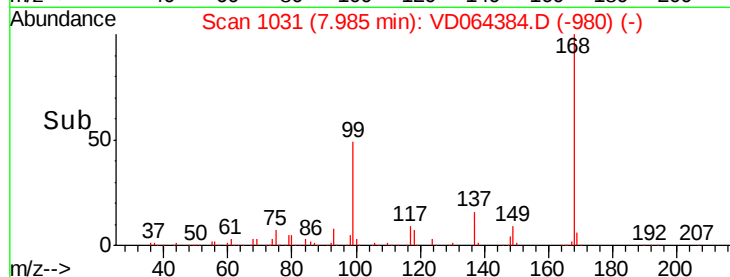
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.074 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064384.D

Acq: 26 Nov 2019 15:16

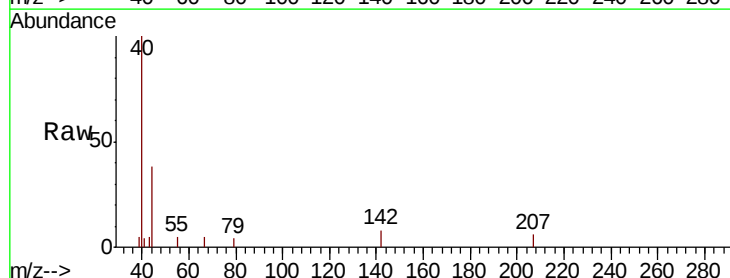
Tgt Ion:142 Resp: 335

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

400

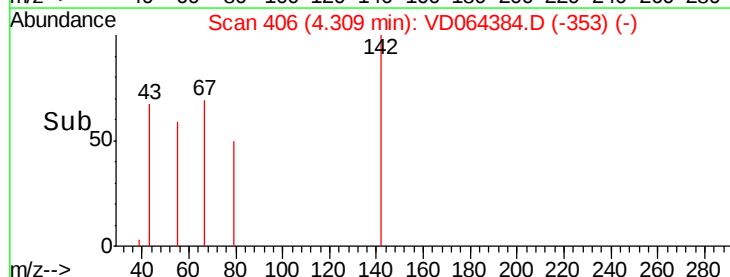
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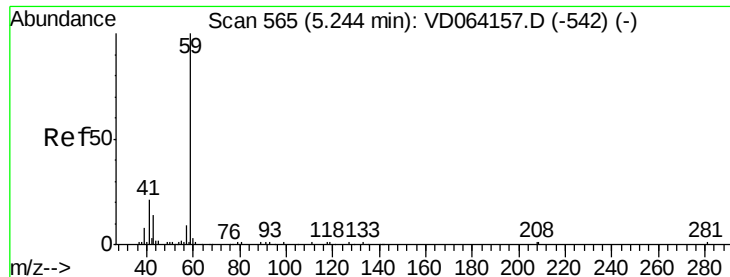
200

100

0

Time-->

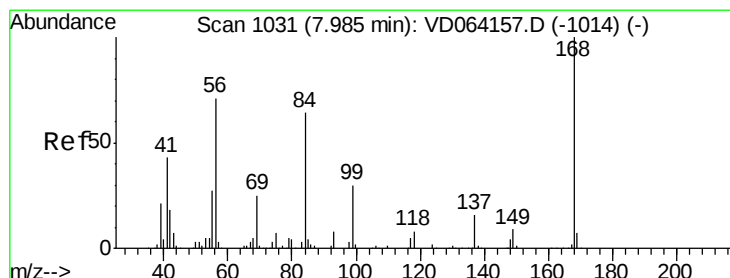
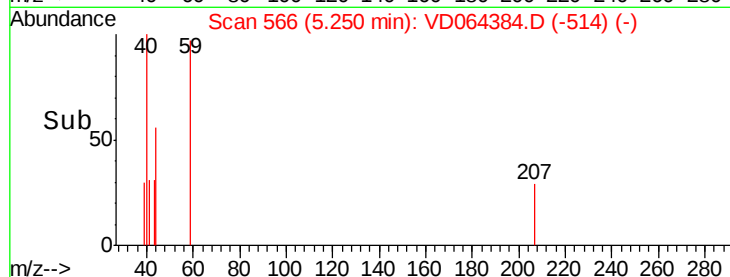
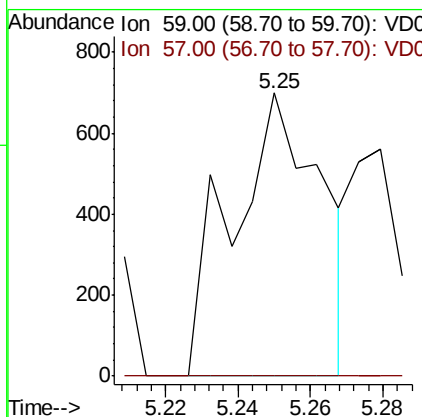
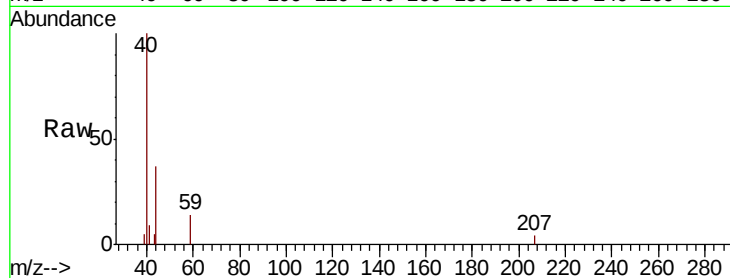




#11
Tert butyl alcohol
Concen: 2.767 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

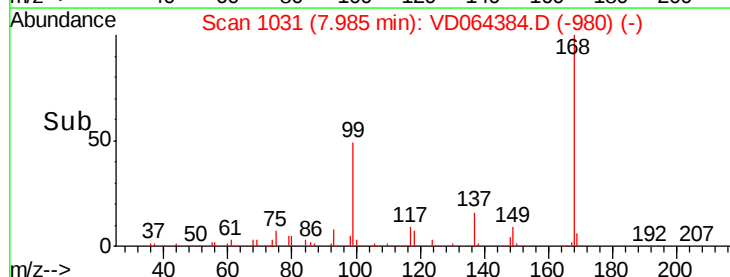
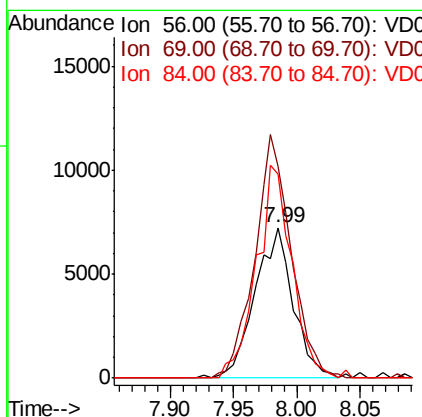
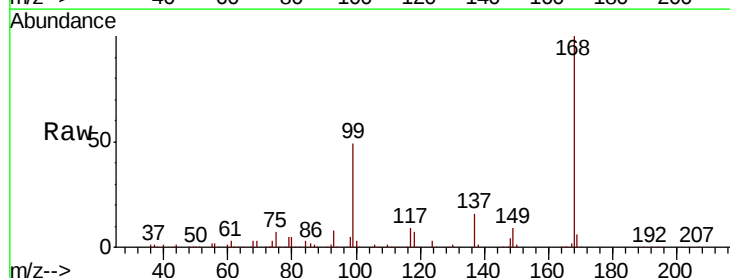
Instrument :
MSVOA_D
ClientSampled :

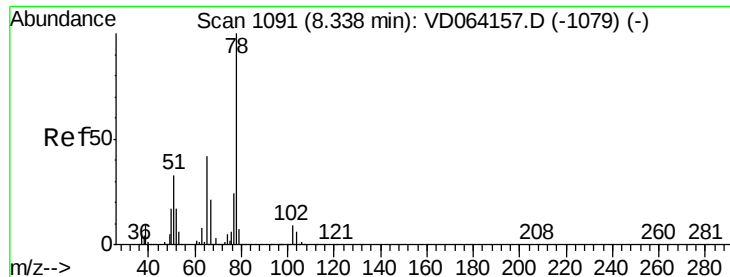
Tot Ion: 59 Resp: 1200
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

Tgt Ion: 56 Resp: 15224
Ion Ratio Lower Upper
56 100
69 140.5 28.2 42.4#
84 135.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 50.500 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064384.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_D

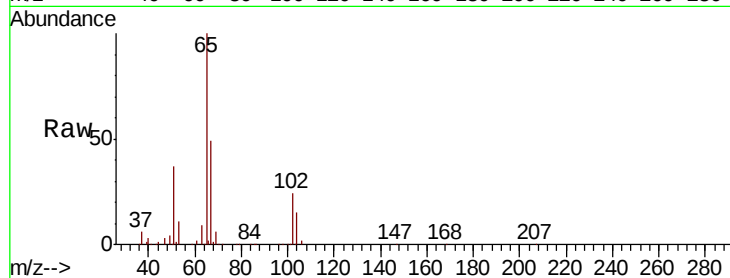
ClientSampleId :

Tot Ion: 65 Resp: 313521

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

150000

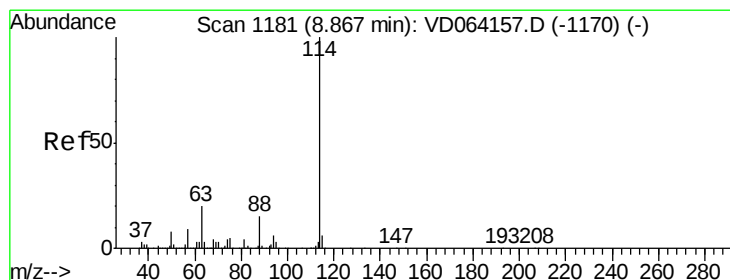
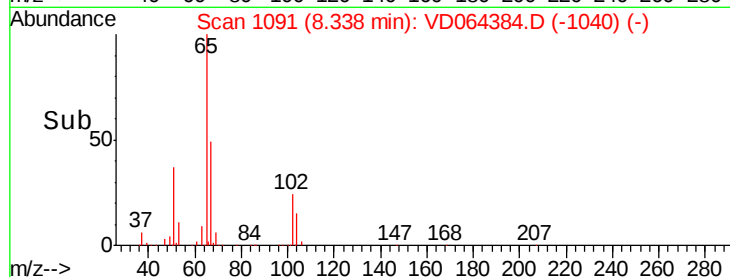
100000

50000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064384.D

Acq: 26 Nov 2019 15:16

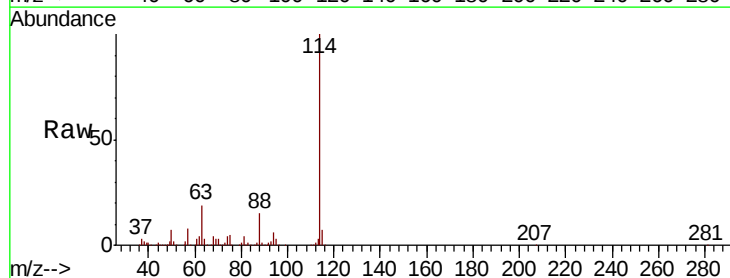
Tgt Ion: 114 Resp: 1120076

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

600000

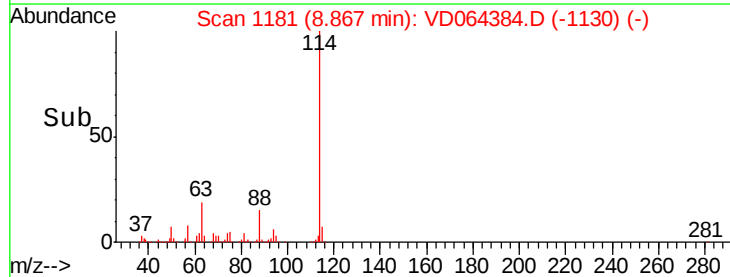
400000

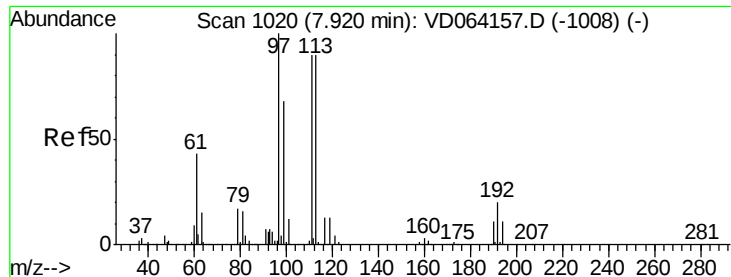
200000

0

8.70 8.80 8.90 9.00

Time-->

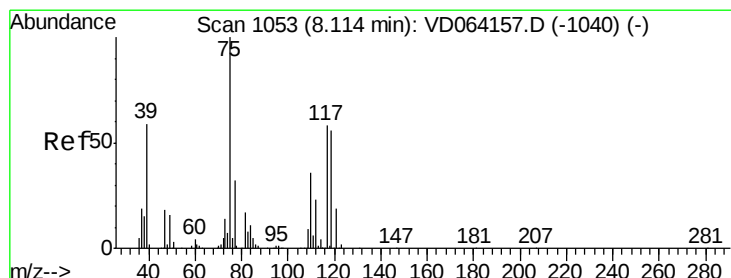
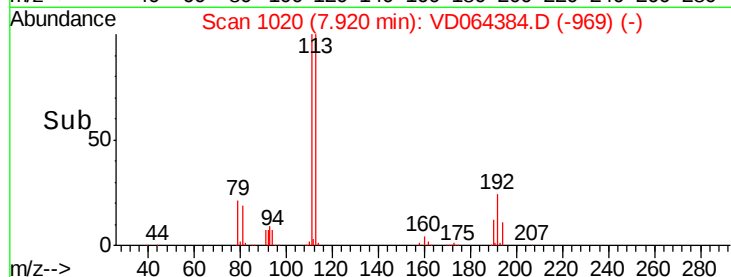
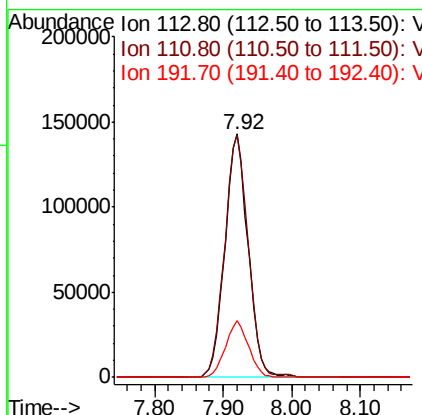
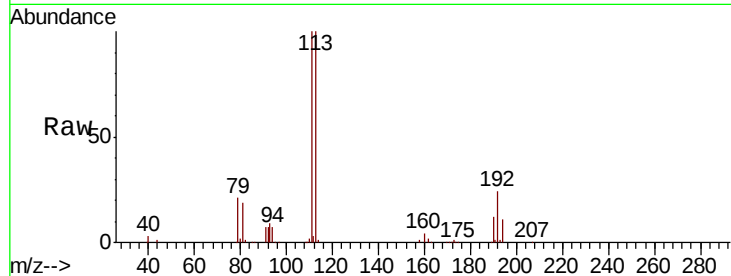




#35
 Dibromofluoromethane
 Concen: 52.084 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064384.D
 Acq: 26 Nov 2019 15:16

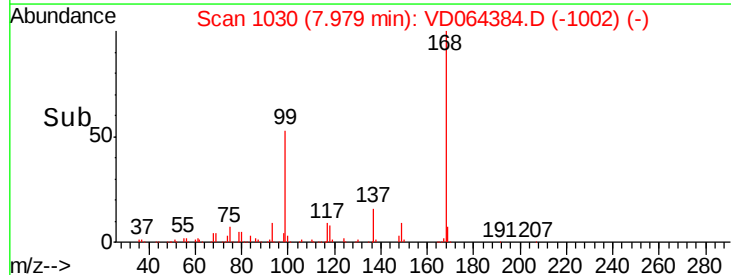
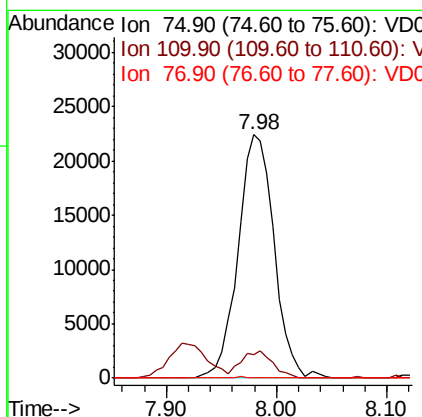
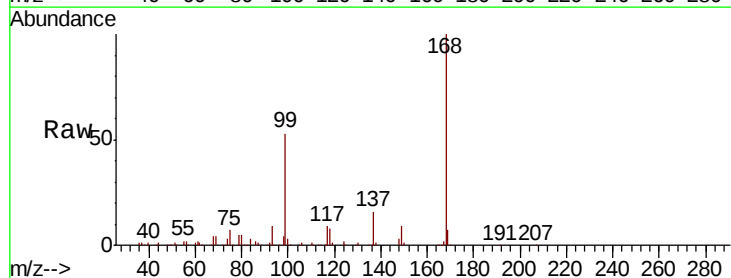
Instrument :
 MSVOA_D
 ClientSampleId :

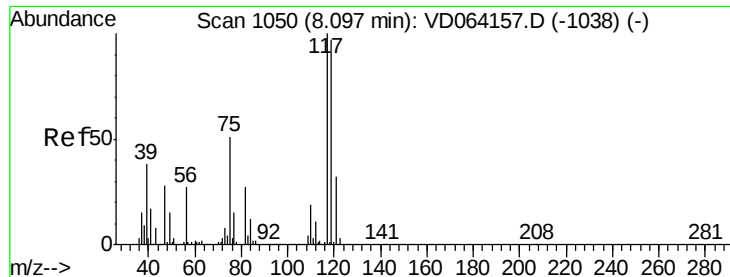
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	23.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064384.D
 Acq: 26 Nov 2019 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.3	54.9#
77	0.1	25.0	37.6#

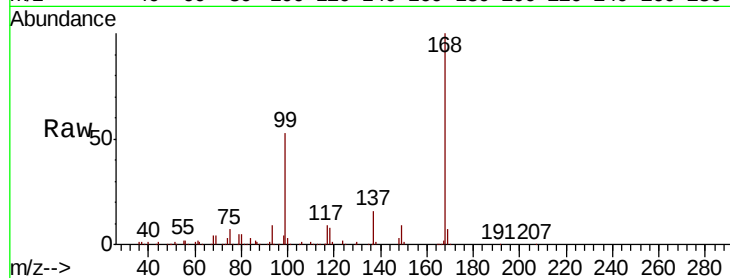




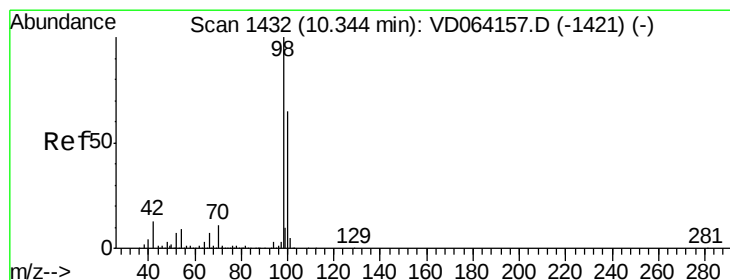
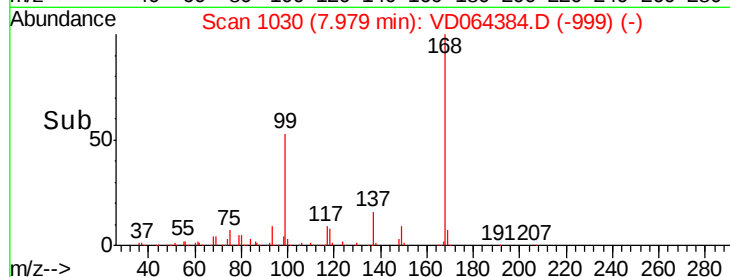
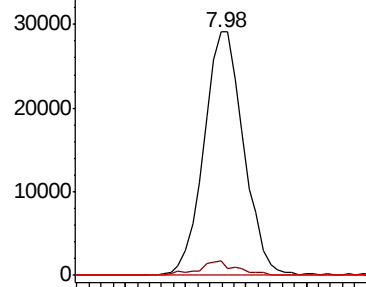
#38
Carbon Tetrachloride
Concen: 6.032 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 66724
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 25.5 38.3#

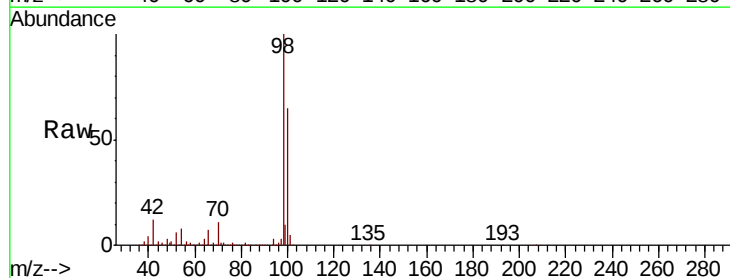


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

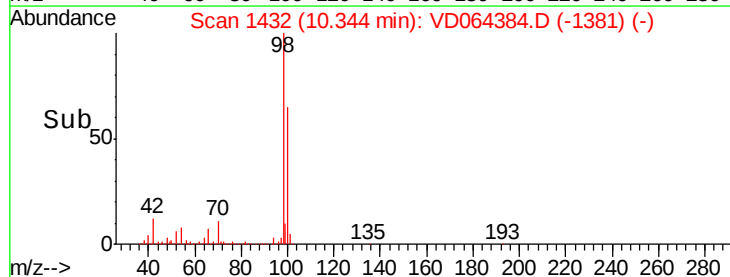
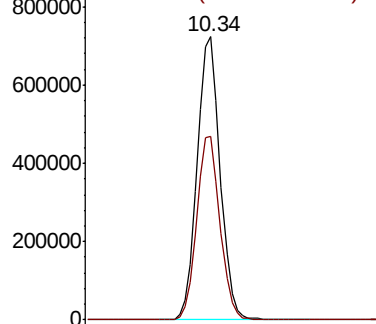


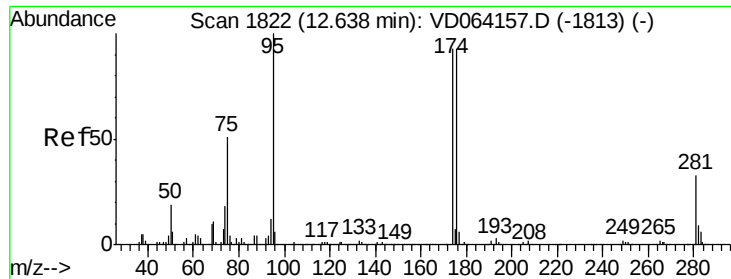
#50
Toluene-d8
Concen: 53.713 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

Tgt Ion: 98 Resp: 1302784
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



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

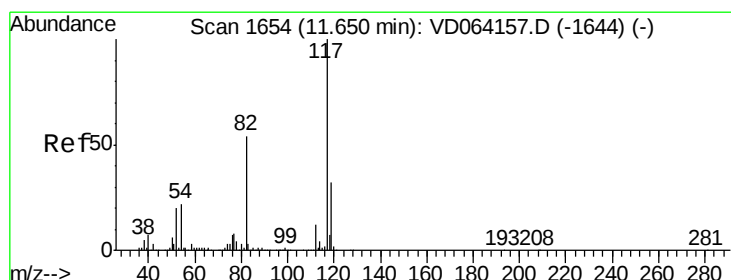
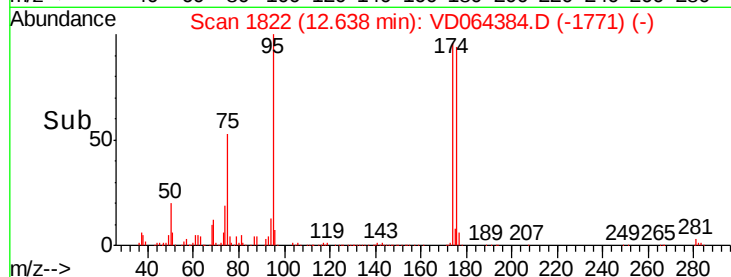
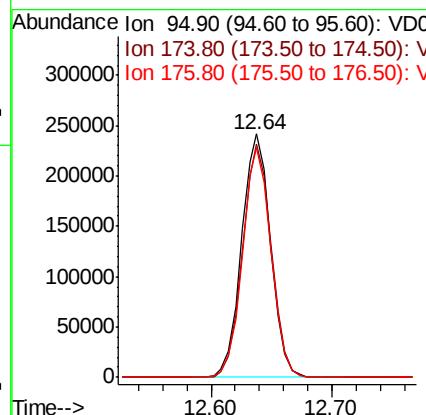
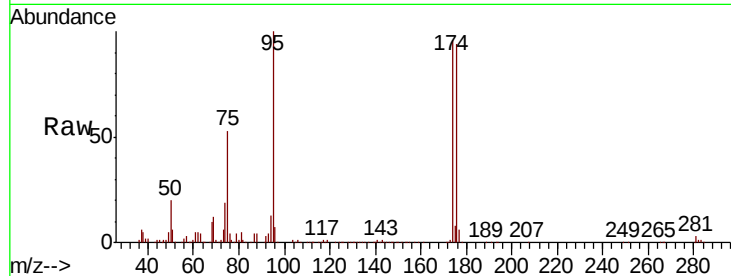




#62
4-Bromofluorobenzene
Concen: 48.007 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

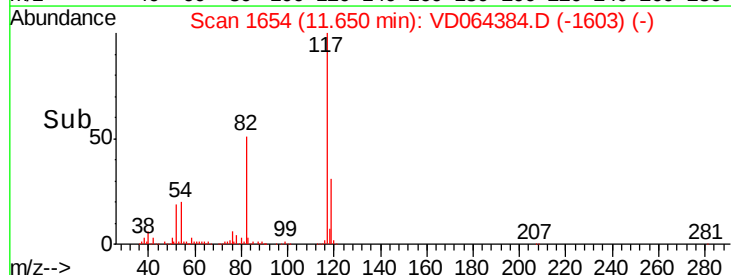
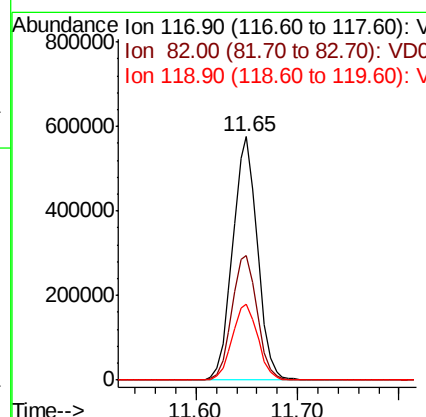
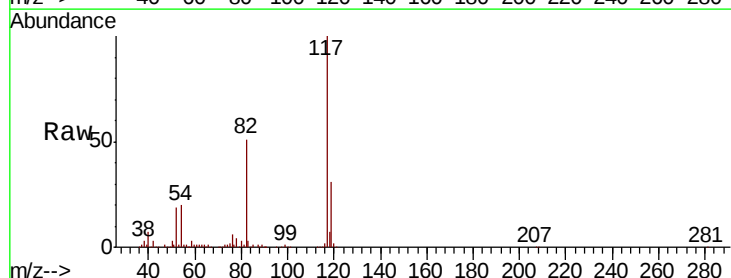
Instrument :
MSVOA_D
ClientSampleId :

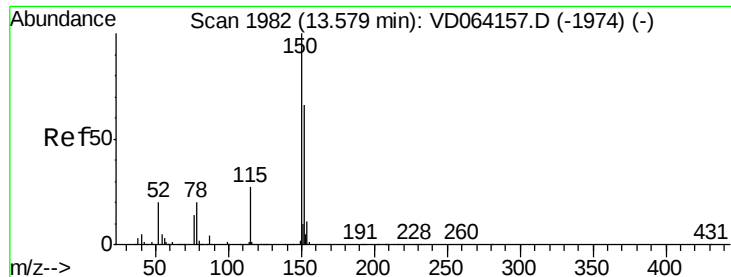
Tot Ion: 95 Resp: 403239
Ion Ratio Lower Upper
95 100
174 95.0 0.0 183.6
176 92.6 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064384.D
Acq: 26 Nov 2019 15:16

Tgt Ion: 117 Resp: 972646
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064384.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_D

ClientSampled :

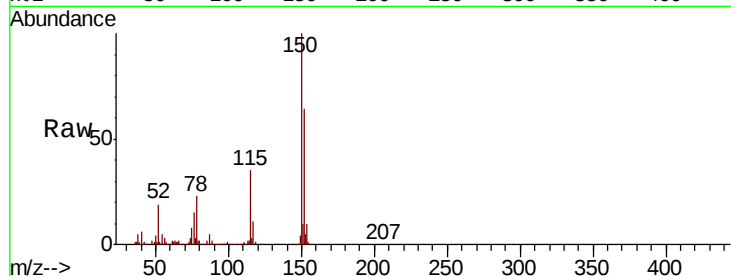
Tot Ion:152 Resp: 443070

Ion Ratio Lower Upper

152 100

115 54.3 27.4 82.2

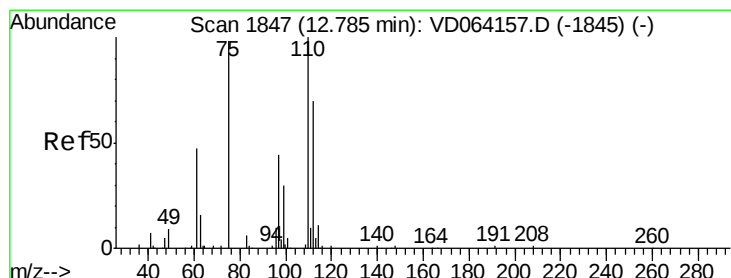
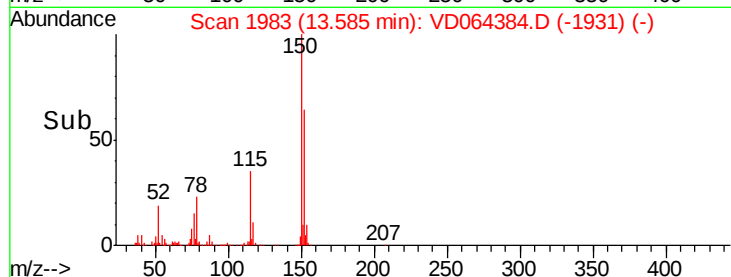
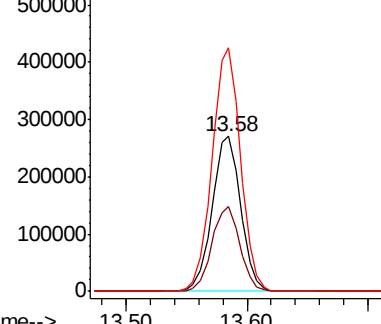
150 156.8 0.0 351.6



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: 58.638 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064384.D

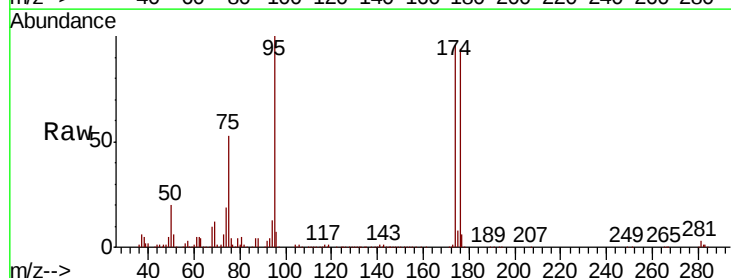
Acq: 26 Nov 2019 15:16

Tgt Ion: 75 Resp: 209268

Ion Ratio Lower Upper

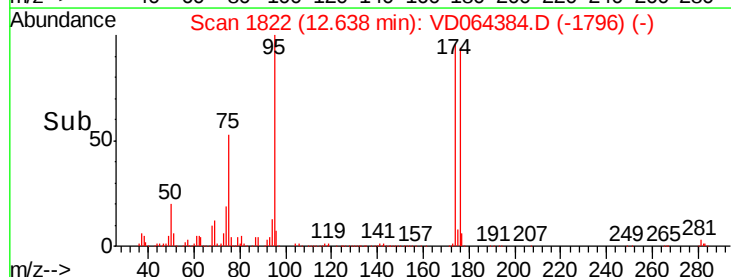
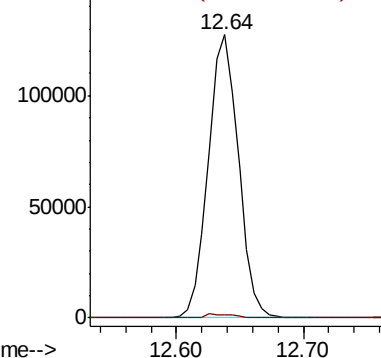
75 100

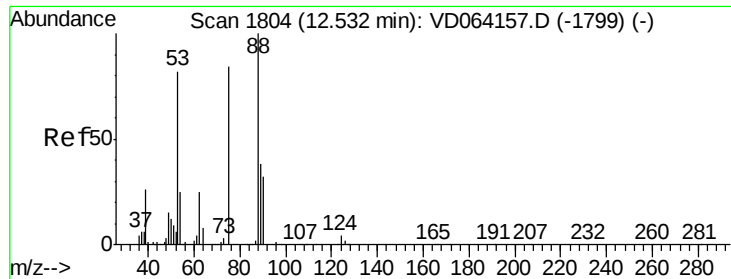
77 1.4 0.0 0.0#



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: 116.479 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064384.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

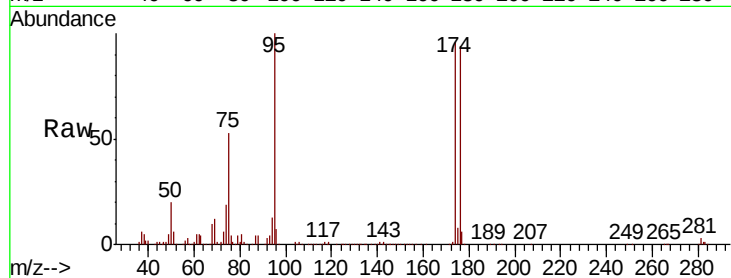
Tot Ion: 75 Resp: 209268

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

