

Data File : VD064166.D
Acq On : 08 Nov 2019 20:40
Operator : VA/SY
Sample : K5778-02
Misc : 5.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-33-S2

Quant Time: Nov 09 01:49:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 16:20:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	711508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1088129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1060347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	538329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	328694	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	7.92	113	327991	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.34	98	1285022	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.64	95	507673	62.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.44%	

Target Compounds

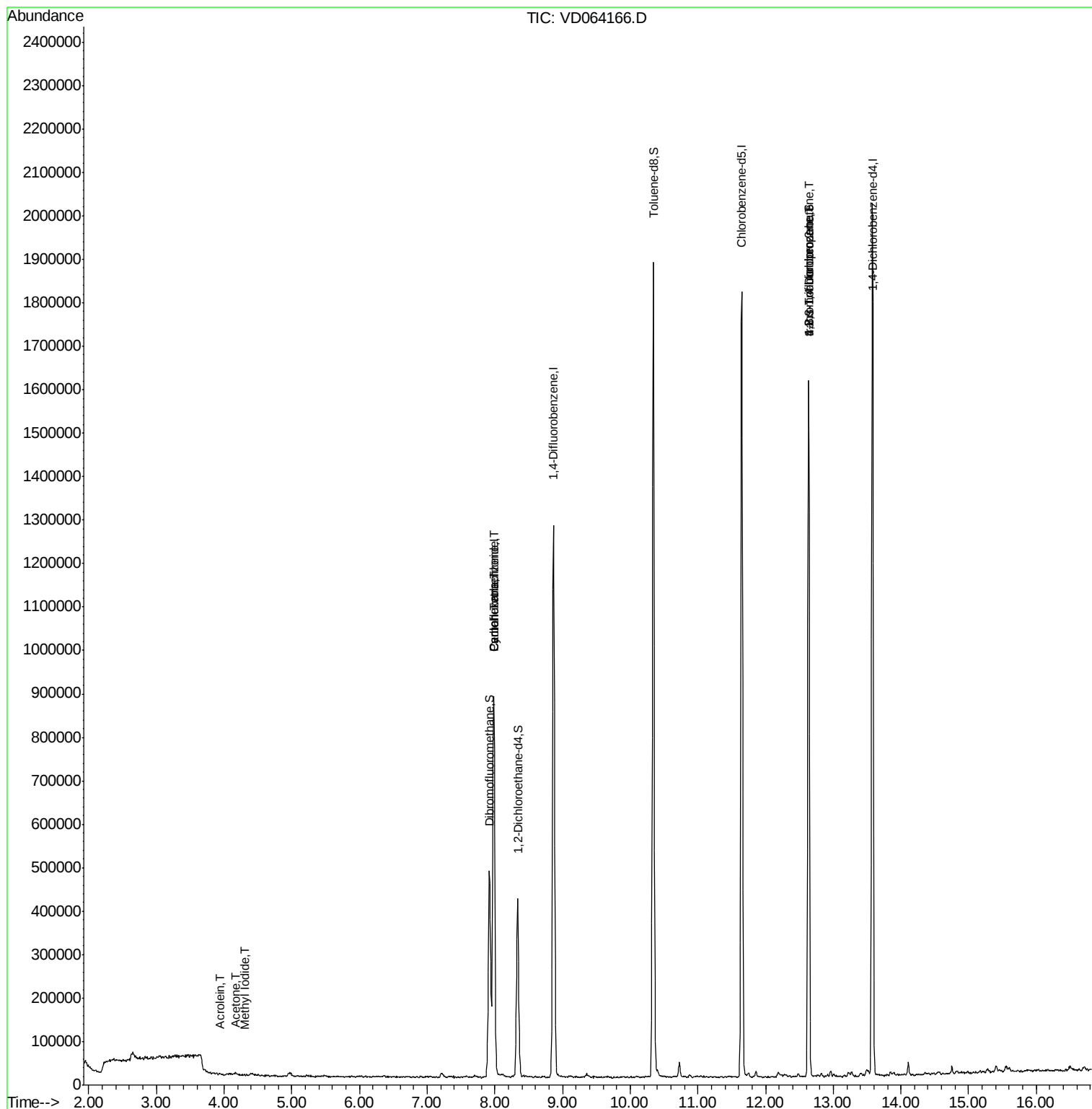
						Qvalue
10) Methyl Iodide	4.31	142	1214	2.194	ug/l #	77
13) Acrolein	3.93	56	423	1.223	ug/l #	15
16) Acetone	4.17	43	9295	6.705	ug/l	100
31) Cyclohexane	7.98	56	17502	1.524	ug/l #	24
38) Carbon Tetrachloride	7.98	117	63896	5.946	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	257588	59.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	257588	118.003	ug/l #	10

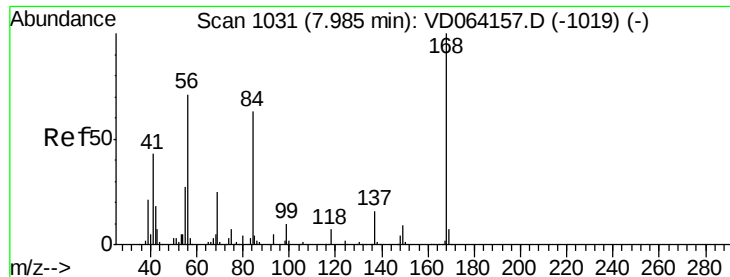
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

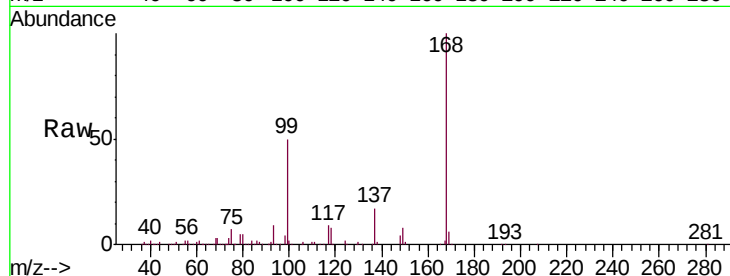
TP-33-S2

Tgt Ion:168 Resp: 711508

Ion Ratio Lower Upper

168 100

99 50.2 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

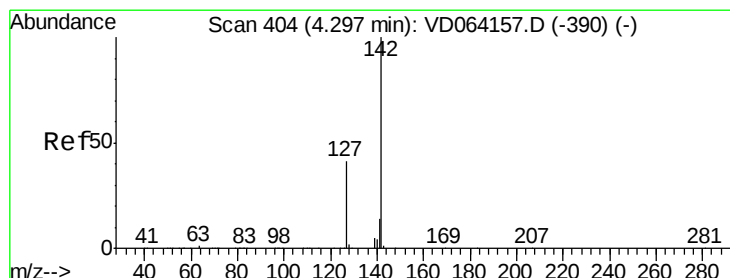
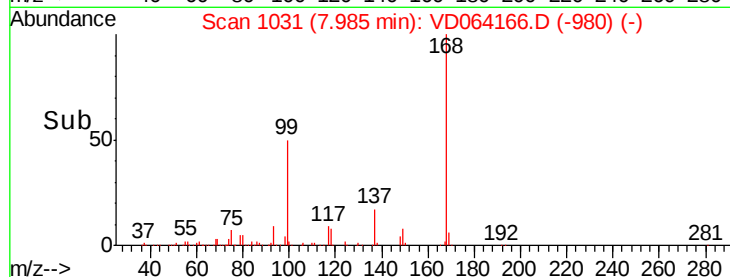
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.194 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064166.D

Acq: 08 Nov 2019 20:40

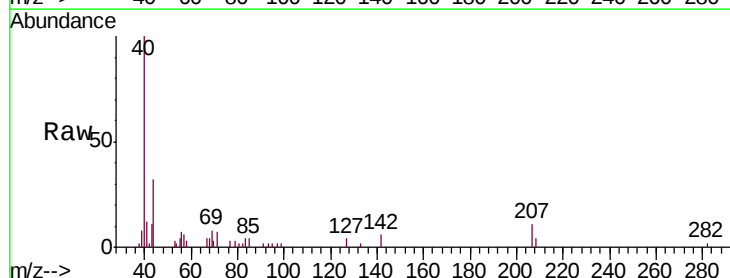
Tgt Ion:142 Resp: 1214

Ion Ratio Lower Upper

142 100

127 30.3 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

600

500

400

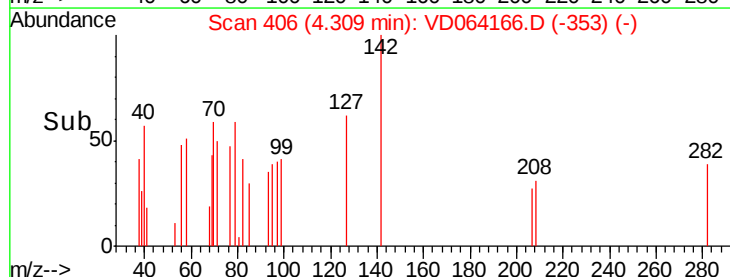
300

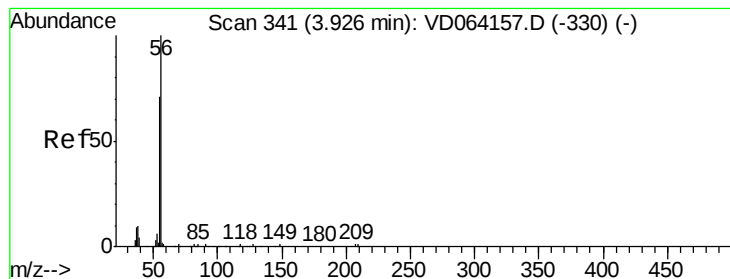
200

100

0

Time-->





#13

Acrolein

Concen: 1.223 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064166.D

Acq: 08 Nov 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

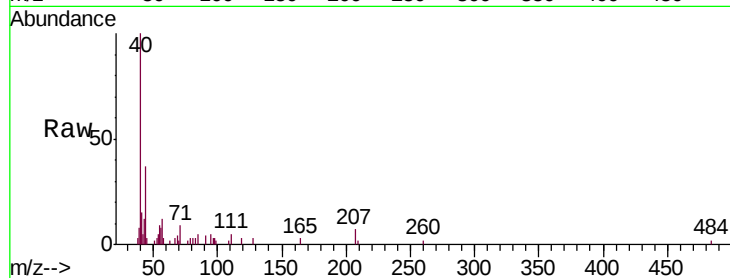
TP-33-S2

Tgt Ion: 56 Resp: 423

Ion Ratio Lower Upper

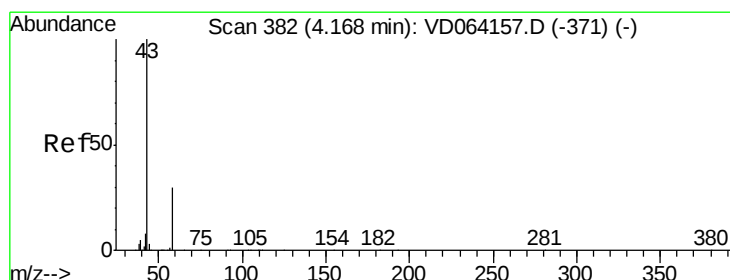
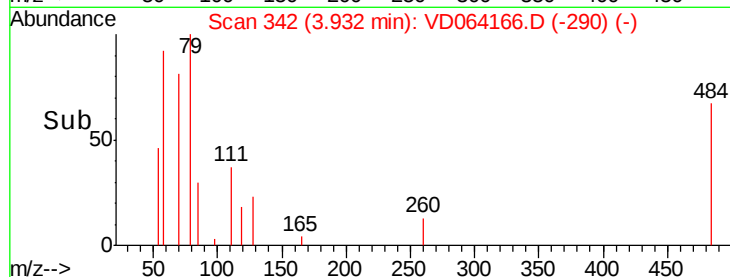
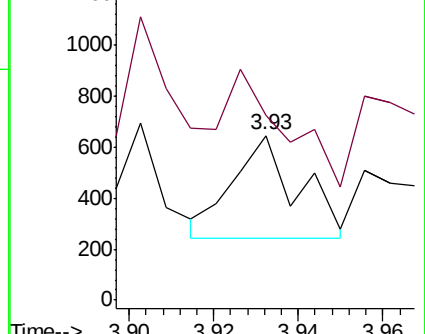
56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 6.705 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064166.D

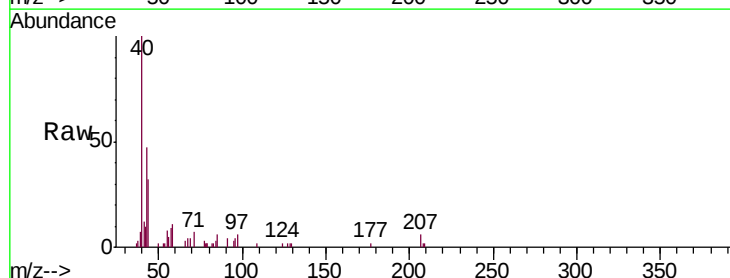
Acq: 08 Nov 2019 20:40

Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

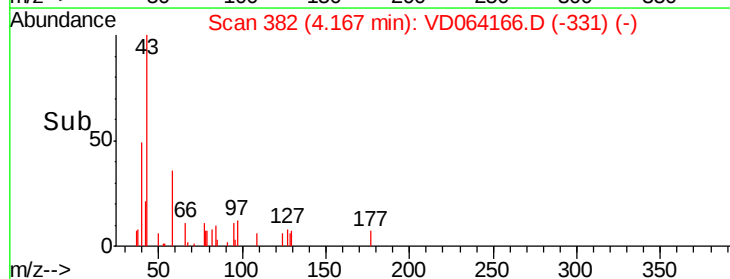
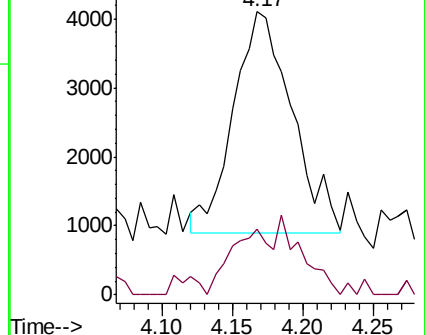
43 100

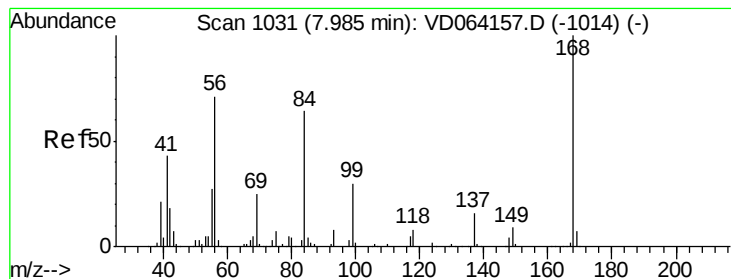
58 29.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#31

Cyclohexane

Concen: 1.524 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064166.D

Acq: 08 Nov 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

TP-33-S2

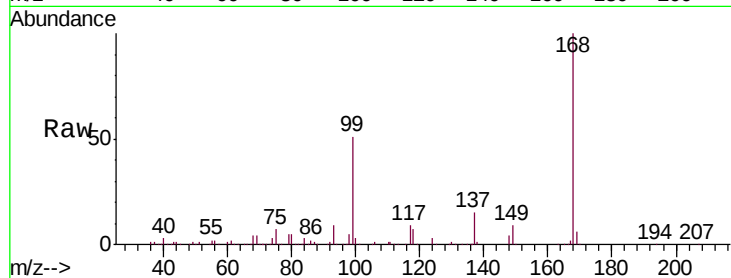
Tgt Ion: 56 Resp: 17502

Ion Ratio Lower Upper

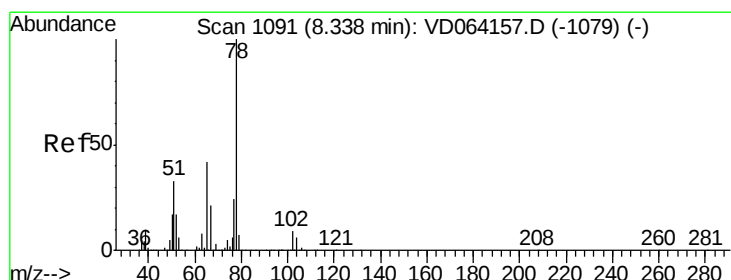
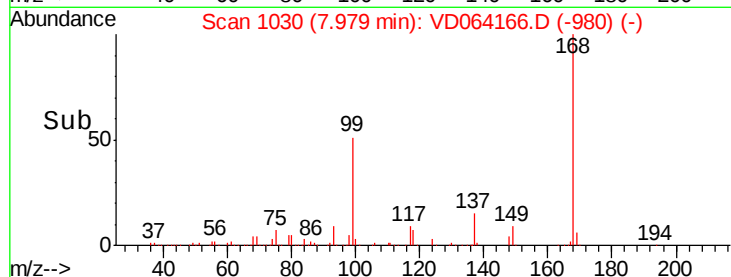
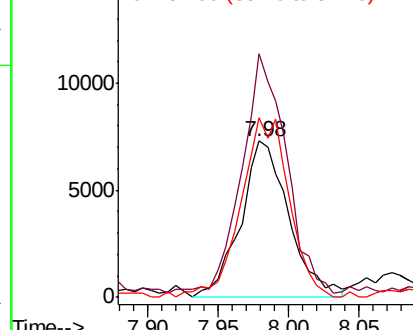
56 100

69 152.1 28.2 42.4#

84 114.8 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: 56.170 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064166.D

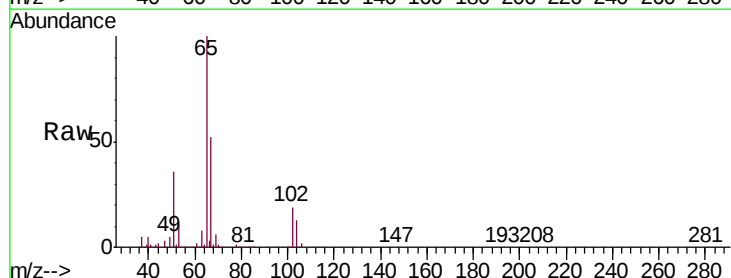
Acq: 08 Nov 2019 20:40

Tgt Ion: 65 Resp: 328694

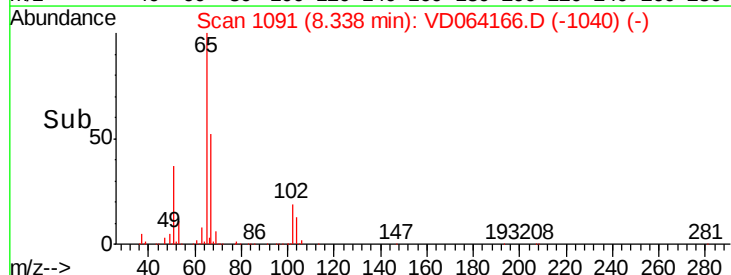
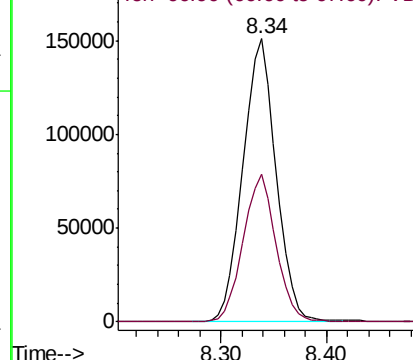
Ion Ratio Lower Upper

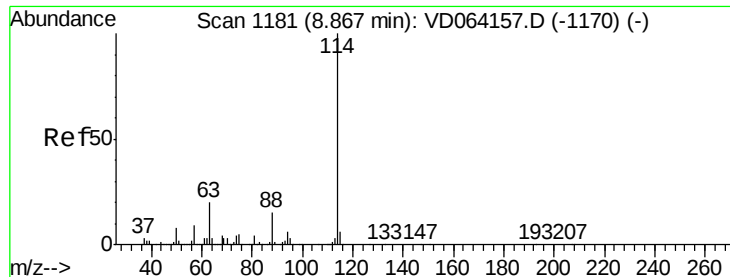
65 100

67 52.1 0.0 104.4



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

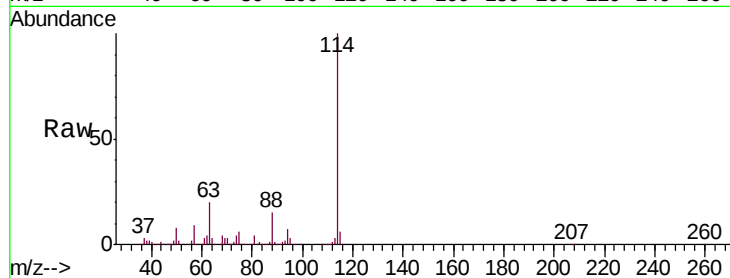




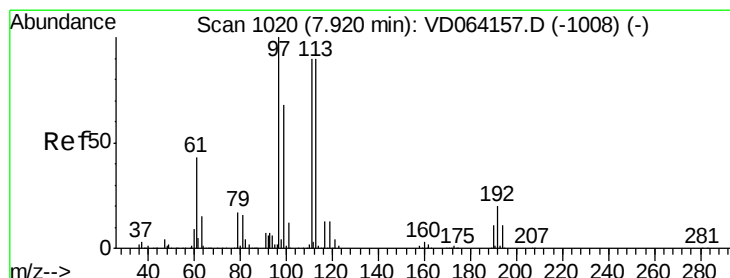
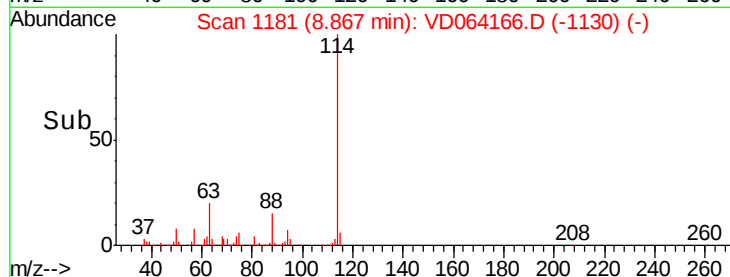
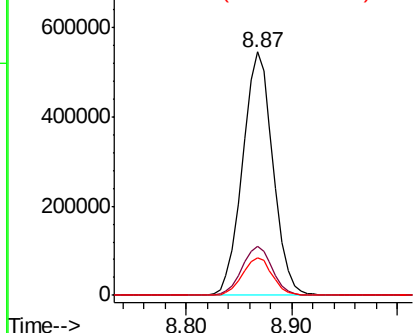
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064166.D
 Acq: 08 Nov 2019 20:40

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-33-S2

Tgt Ion:114 Resp: 1088129
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 30.2

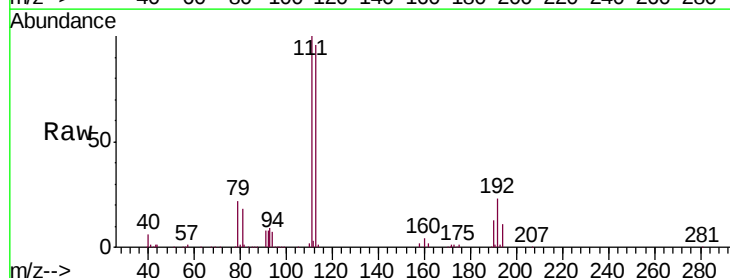


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

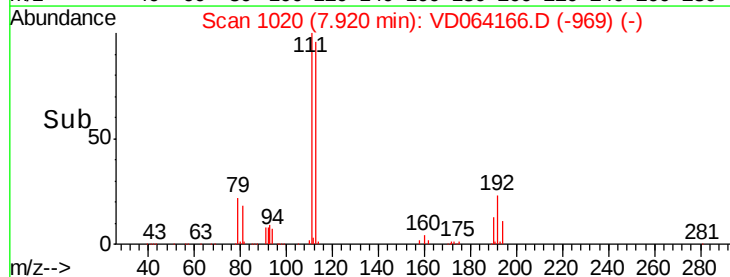
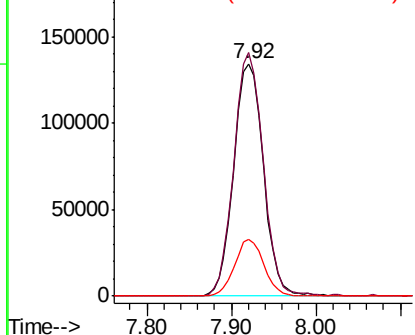


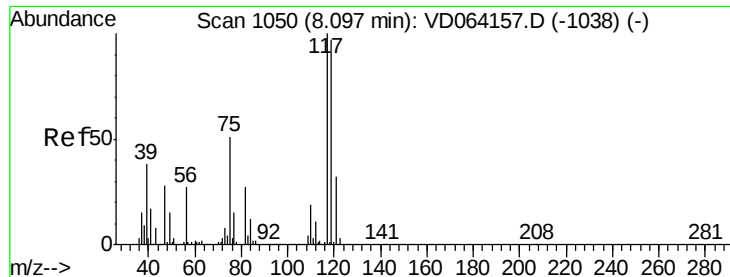
#35
 Dibromofluoromethane
 Concen: 52.512 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064166.D
 Acq: 08 Nov 2019 20:40

Tgt Ion:113 Resp: 327991
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 23.8 18.8 28.2



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

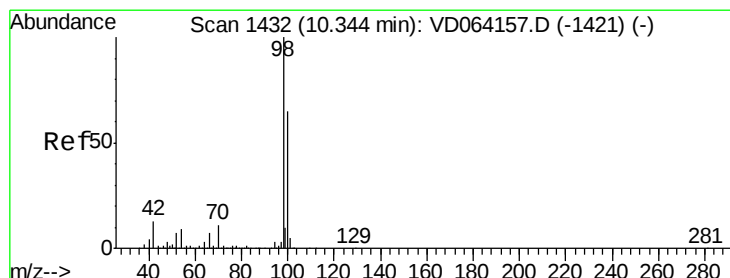
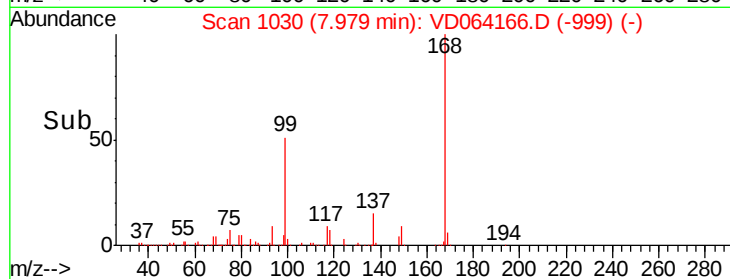
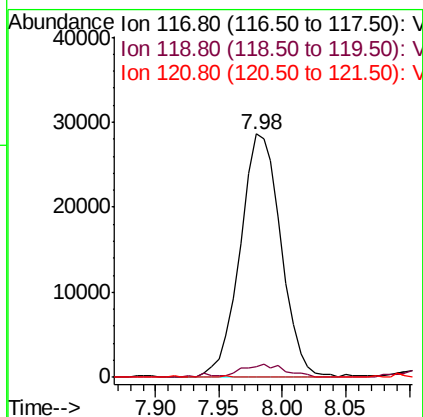
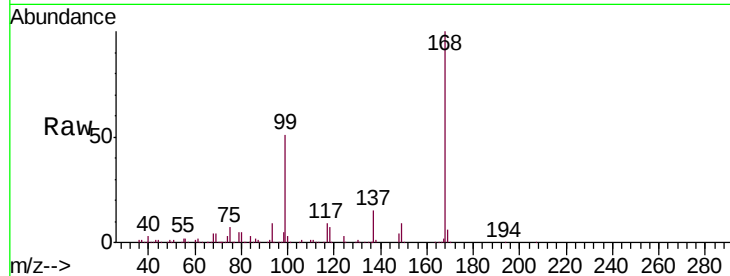




#38
Carbon Tetrachloride
Concen: 5.946 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064166.D
Acq: 08 Nov 2019 20:40

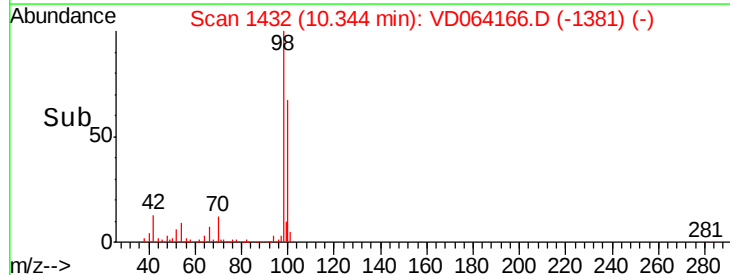
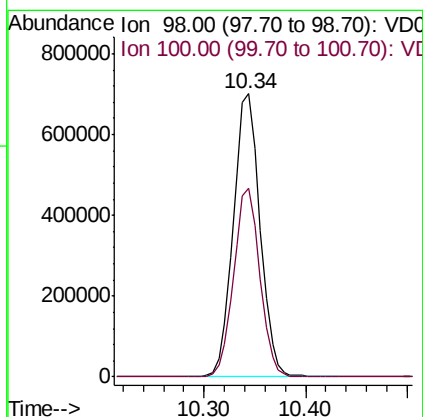
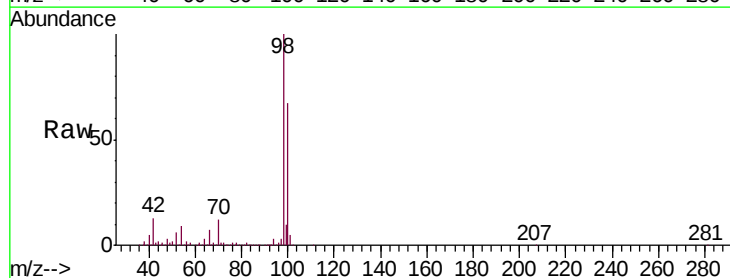
Instrument :
MSVOA_D
ClientSampleId :
TP-33-S2

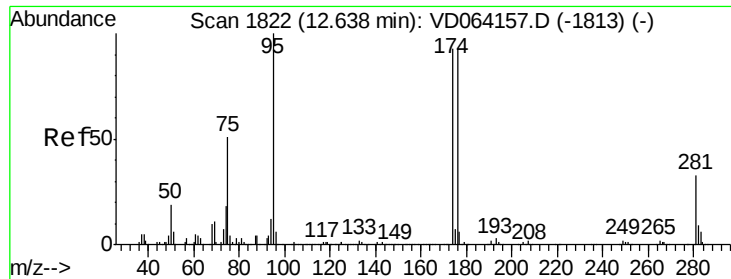
Tgt Ion:117 Resp: 63896
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 54.536 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064166.D
Acq: 08 Nov 2019 20:40

Tgt Ion: 98 Resp: 1285022
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 62.215 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064166.D

Acq: 08 Nov 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

TP-33-S2

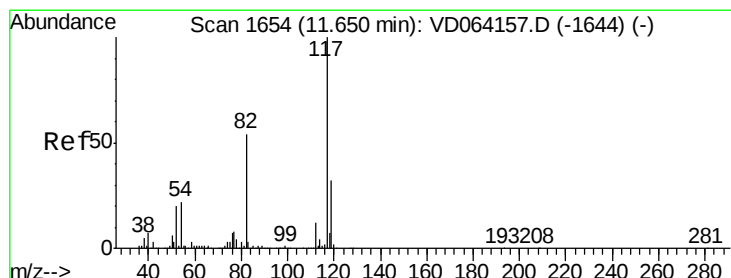
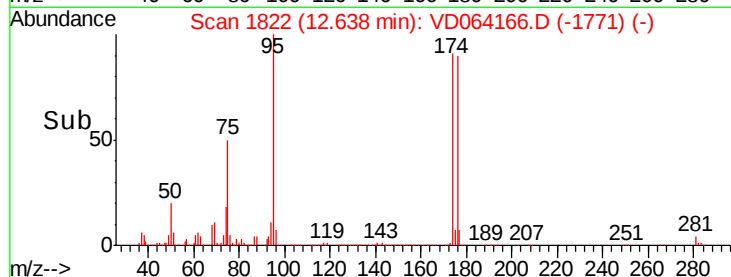
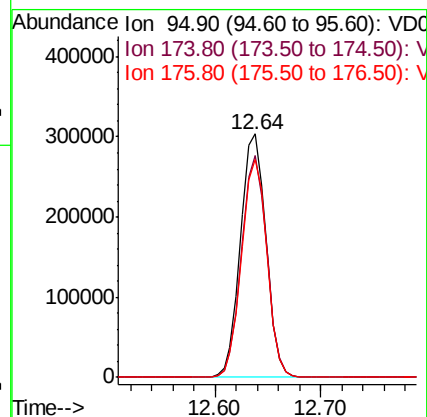
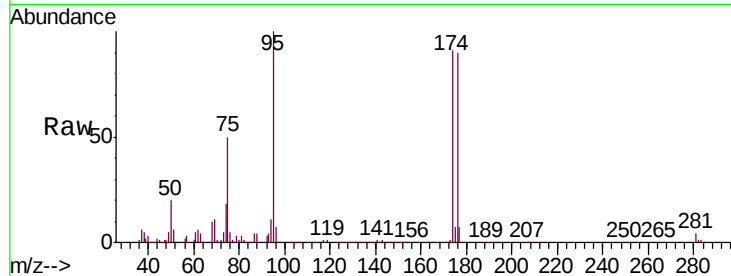
Tgt Ion: 95 Resp: 507673

Ion Ratio Lower Upper

95 100

174 90.1 0.0 183.6

176 88.8 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: VD064166.D

Acq: 08 Nov 2019 20:40

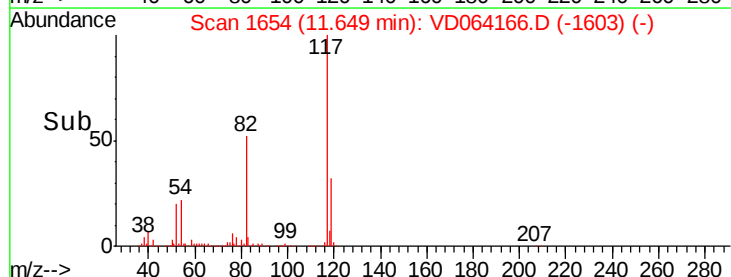
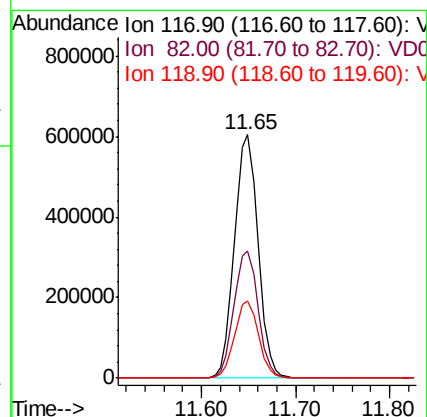
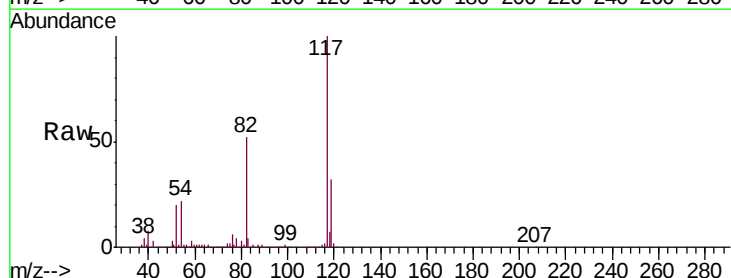
Tgt Ion: 117 Resp: 1060347

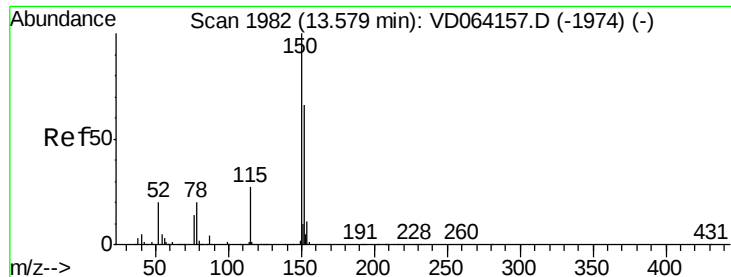
Ion Ratio Lower Upper

117 100

82 52.1 42.8 64.2

119 31.9 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: VD064166.D

Acq: 08 Nov 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

TP-33-S2

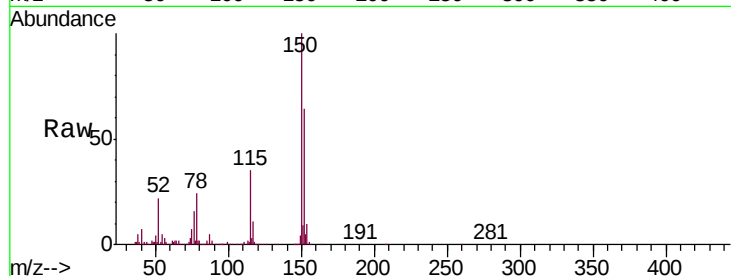
Tgt Ion:152 Resp: 538329

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.2

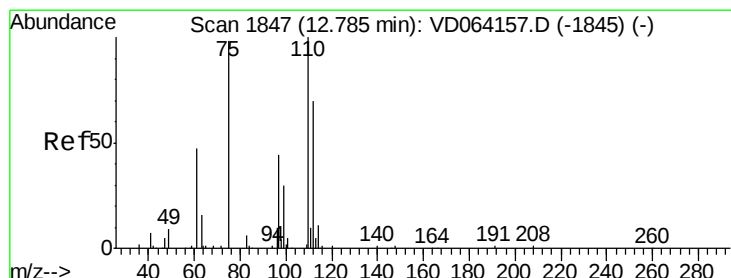
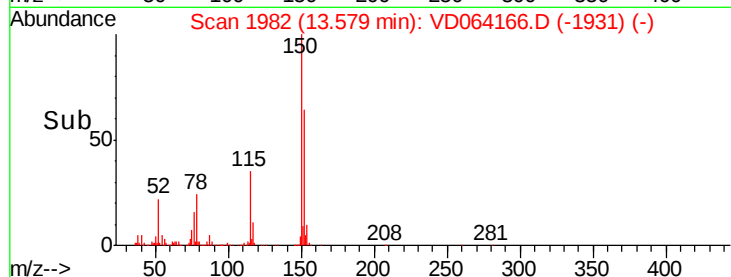
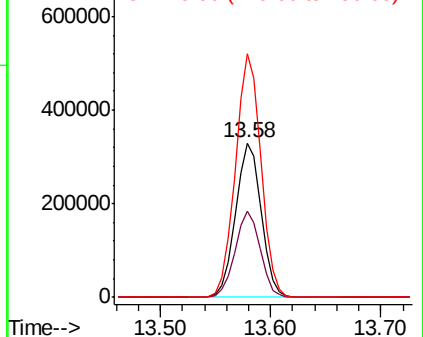
150 156.8 0.0 351.6



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: 59.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064166.D

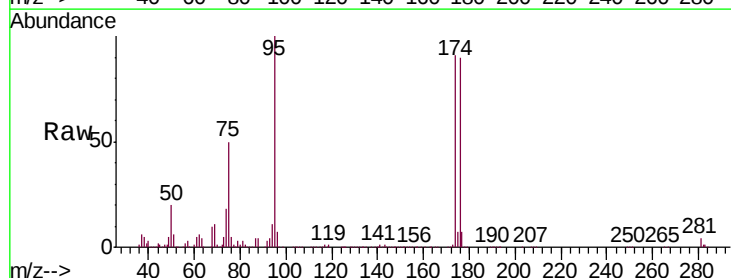
Acq: 08 Nov 2019 20:40

Tgt Ion: 75 Resp: 257588

Ion Ratio Lower Upper

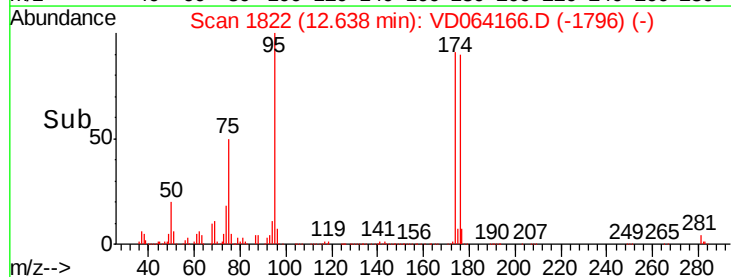
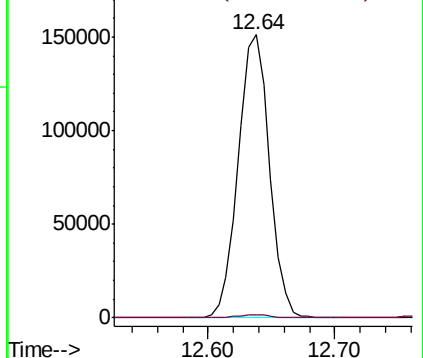
75 100

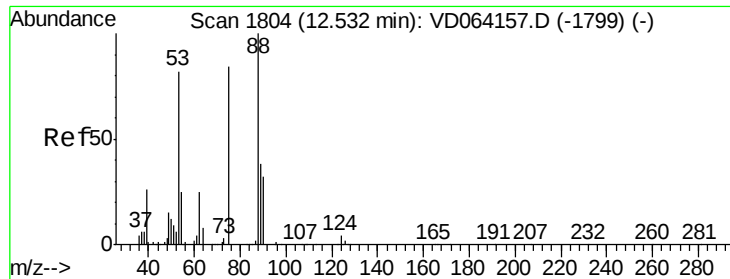
77 1.1 0.0 0.0#



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: 118.003 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064166.D

Acq: 08 Nov 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

TP-33-S2

Tgt Ion: 75 Resp: 257588

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#

