

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064245.D
 Acq On : 16 Nov 2019 01:32
 Operator : VA/SY
 Sample : K5840-04
 Misc : 4.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:43:57 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

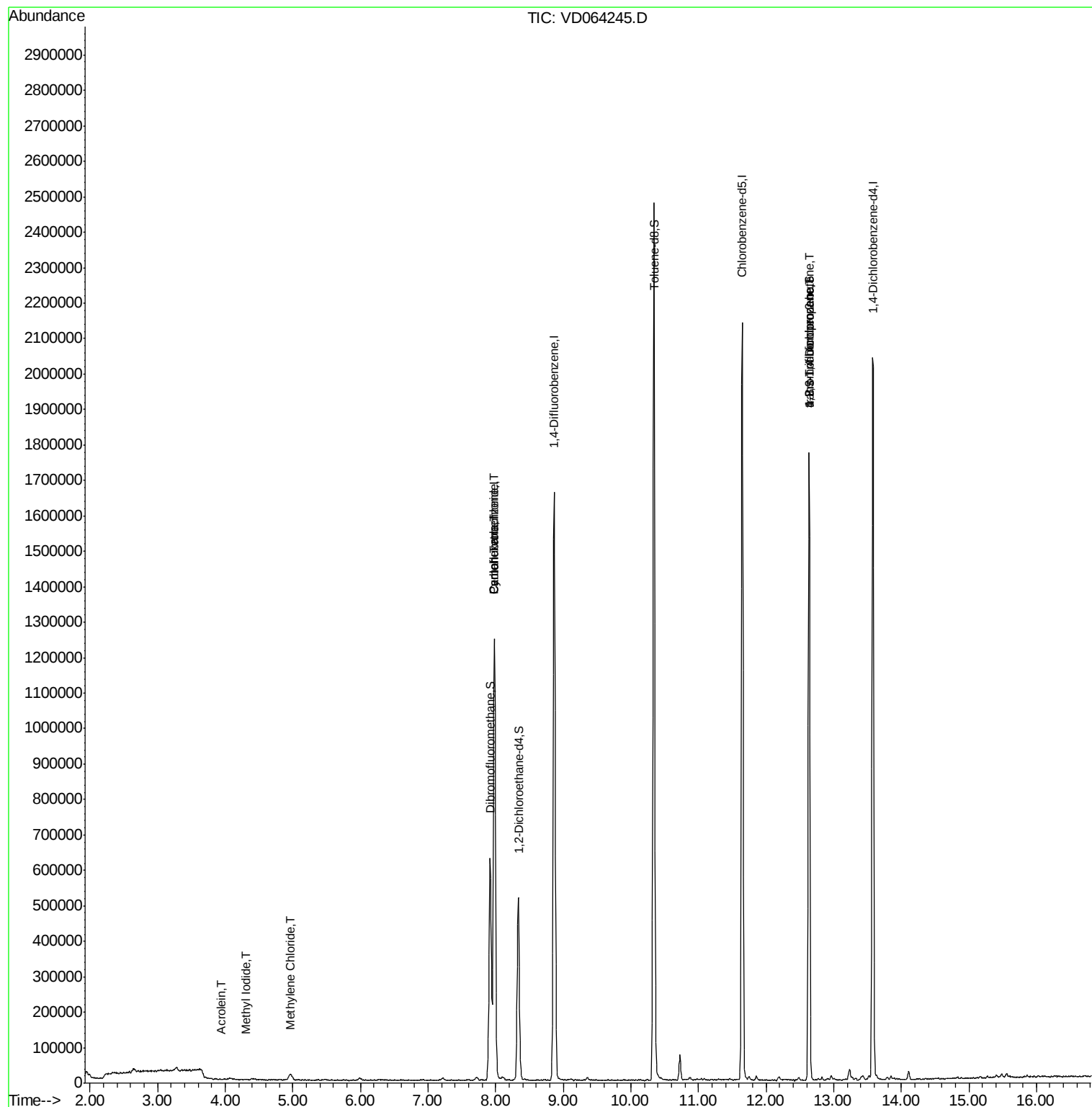
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	1022779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1457367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1244107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	582813	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	418036	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
35) Dibromofluoromethane	7.92	113	430705	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
50) Toluene-d8	10.34	98	1678139	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.64	95	522396	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.30	142	1434	2.165	ug/l #	59
13) Acrolein	3.94	56	752	1.513	ug/l #	15
20) Methylene Chloride	4.97	84	12796	1.271	ug/l #	79
31) Cyclohexane	7.98	56	21599	1.308	ug/l #	7
38) Carbon Tetrachloride	7.98	117	92404	6.420	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	272446	58.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	272446	115.283	ug/l #	10

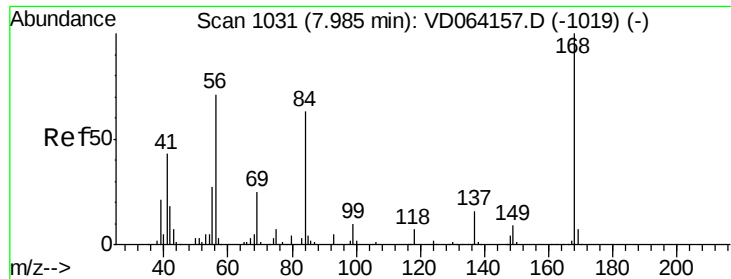
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

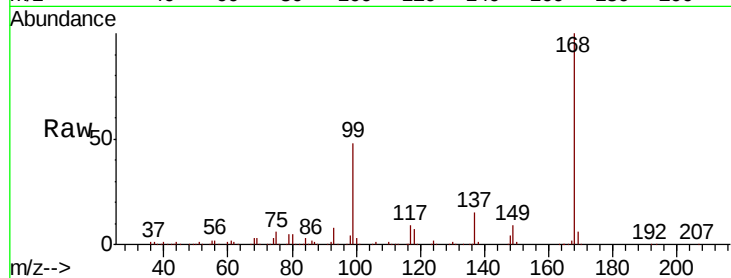
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1022779

Ion Ratio Lower Upper

168 100

99 48.4 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

500000

400000

300000

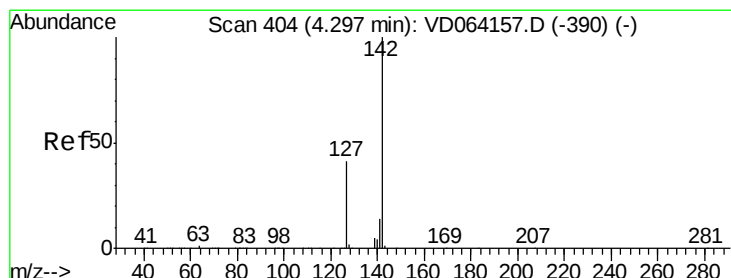
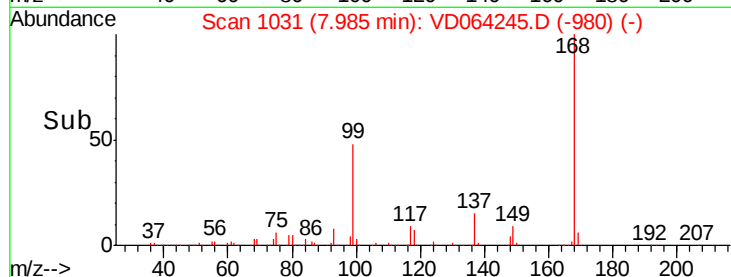
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.165 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

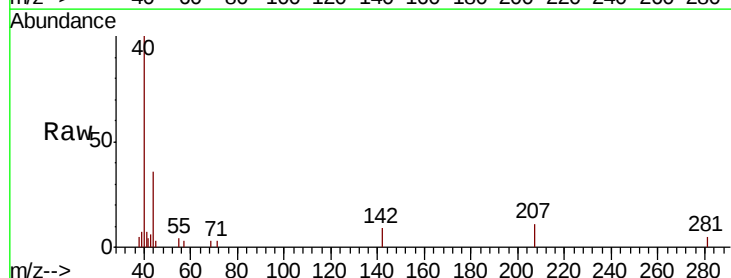
Tgt Ion:142 Resp: 1434

Ion Ratio Lower Upper

142 100

127 15.0 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

4.30

600

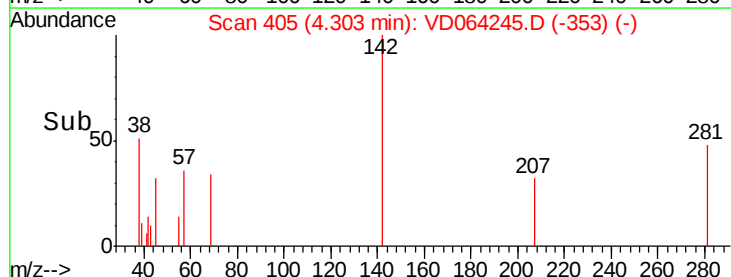
400

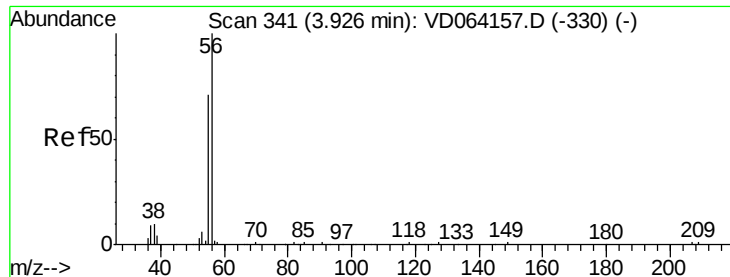
200

0

Time-->

4.25 4.30 4.35





#13

Acrolein

Concen: 1.513 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

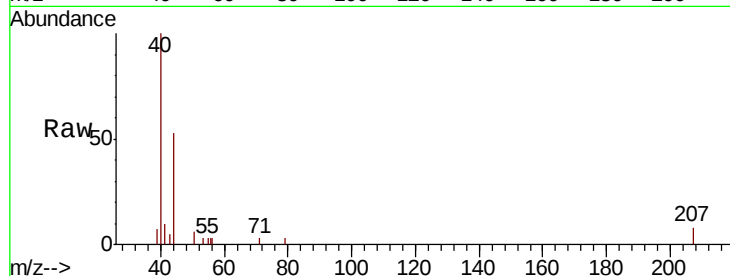
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 752

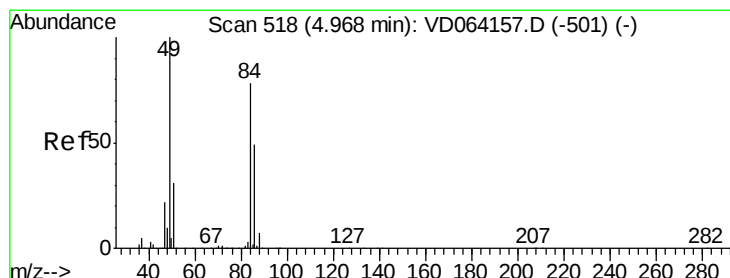
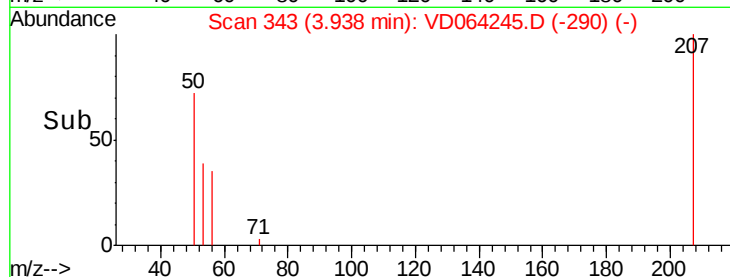
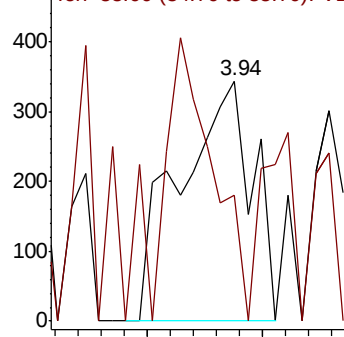
Ion Ratio Lower Upper

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



#20

Methylene Chloride

Concen: 1.271 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

Tgt Ion: 84 Resp: 12796

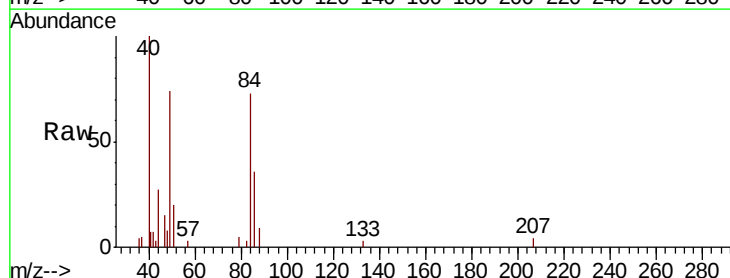
Ion Ratio Lower Upper

84 100

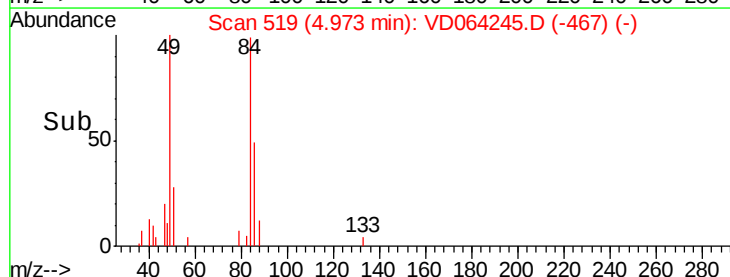
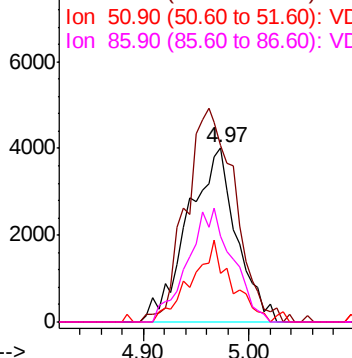
49 100.9 102.1 153.1#

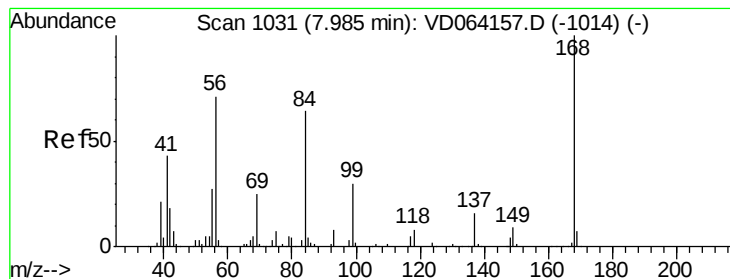
51 27.8 32.2 48.2#

86 49.3 49.9 74.9#



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





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

Instrument :

MSVOA_D

ClientSampleId :

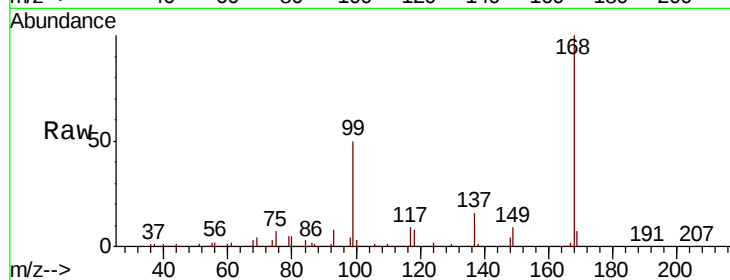
Tot Ion: 56 Resp: 21599

Ion Ratio Lower Upper

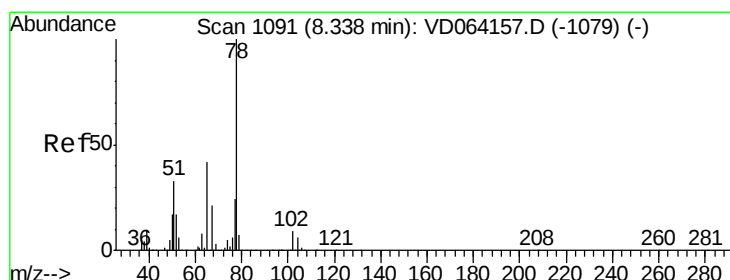
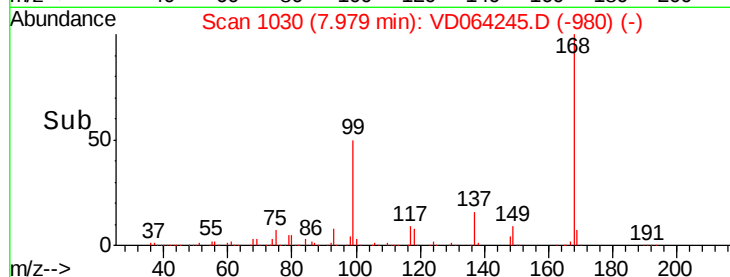
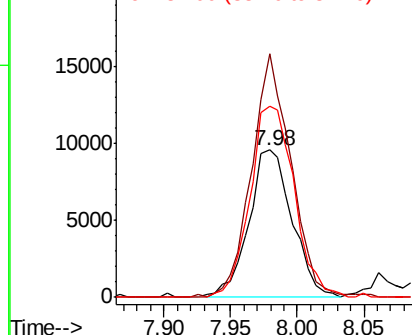
56 100

69 165.0 28.2 42.4#

84 129.6 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: 49.697 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064245.D

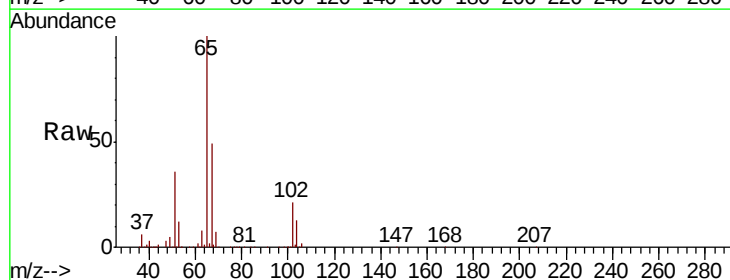
Acq: 16 Nov 2019 01:32

Tgt Ion: 65 Resp: 418036

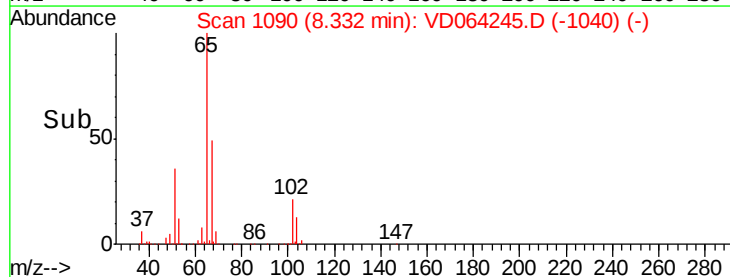
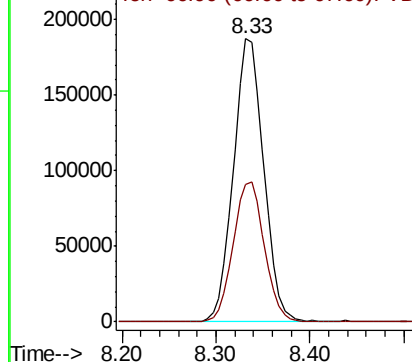
Ion Ratio Lower Upper

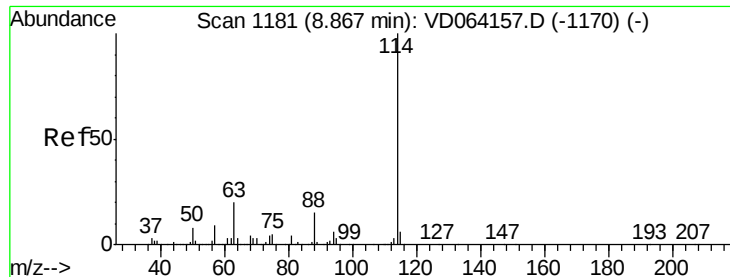
65 100

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

Instrument :

MSVOA_D

ClientSampleId :

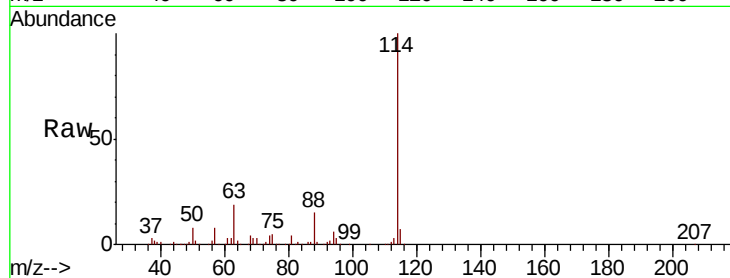
Tot Ion:114 Resp: 1457367

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 14.9 0.0 30.2



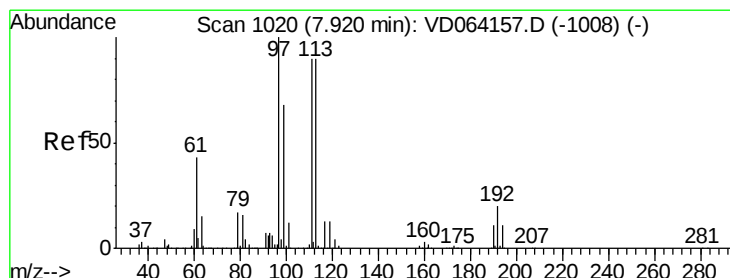
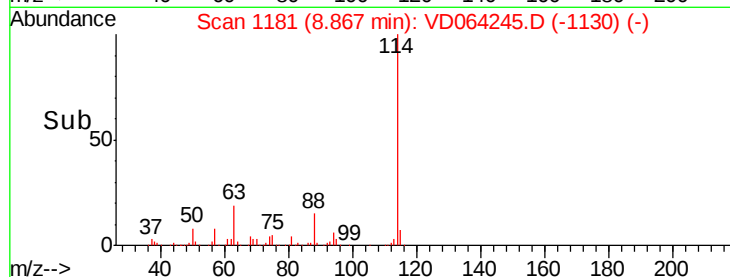
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

Time--> 8.70 8.80 8.90 9.00 9.10



#35

Dibromofluoromethane

Concen: 51.486 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

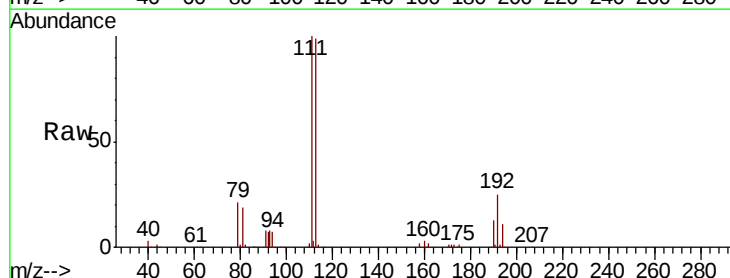
Tgt Ion:113 Resp: 430705

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

192 24.2 18.8 28.2



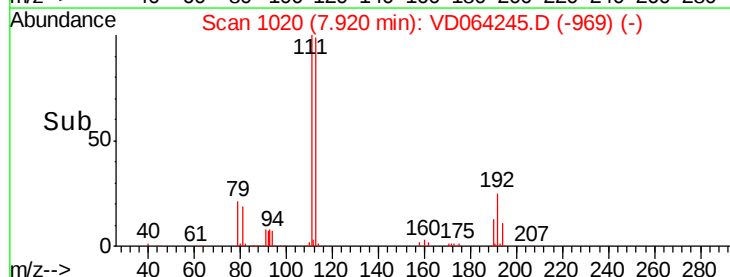
Abundance Ion 112.80 (112.50 to 113.50): V

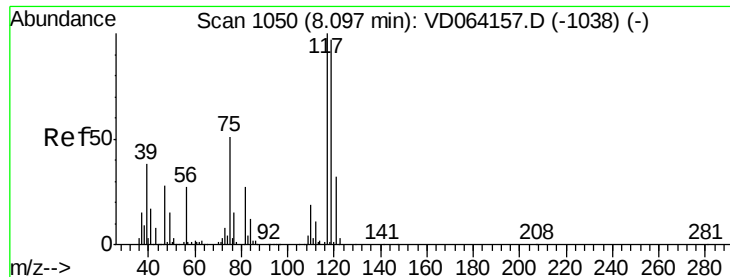
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.92

Time--> 7.80 7.90 8.00





#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

Instrument :

MSVOA_D

ClientSampled :

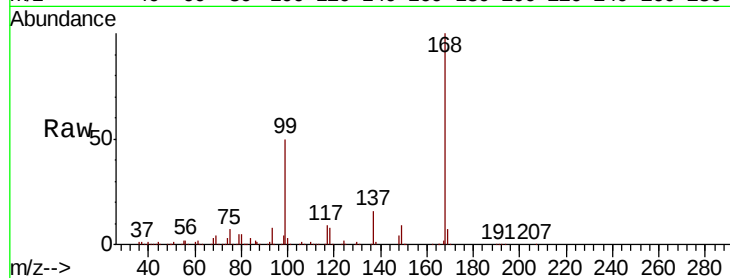
Tot Ion:117 Resp: 92404

Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

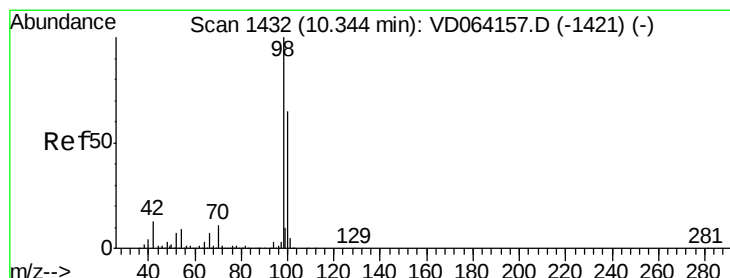
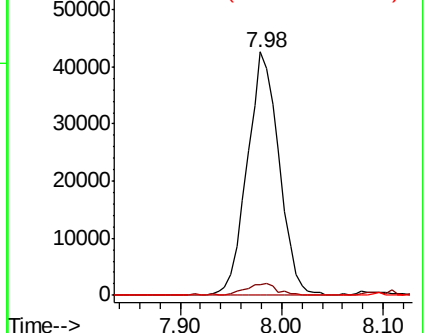
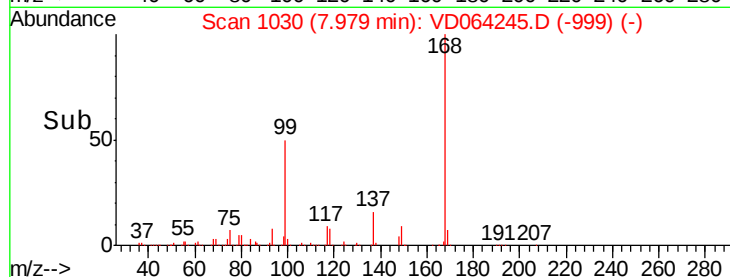
121 0.0 25.5 38.3#



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: 53.176 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064245.D

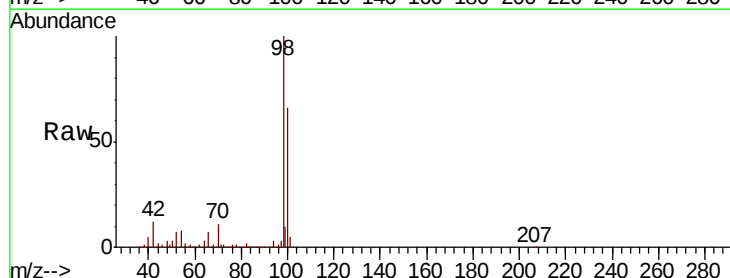
Acq: 16 Nov 2019 01:32

Tgt Ion: 98 Resp: 1678139

Ion Ratio Lower Upper

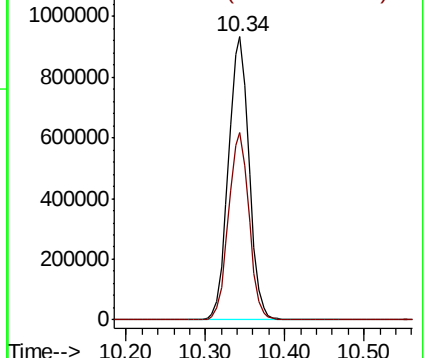
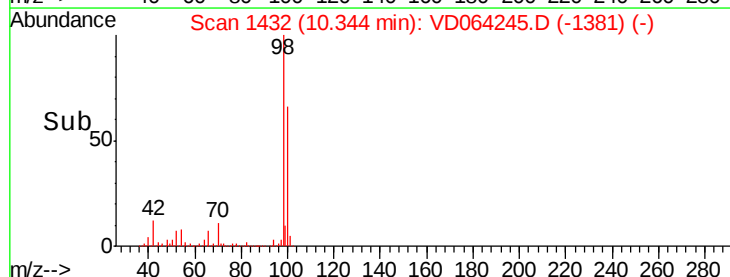
98 100

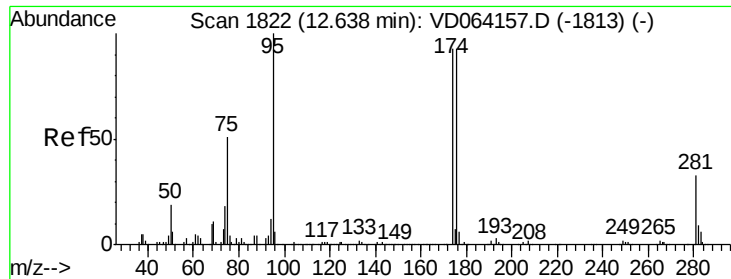
100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

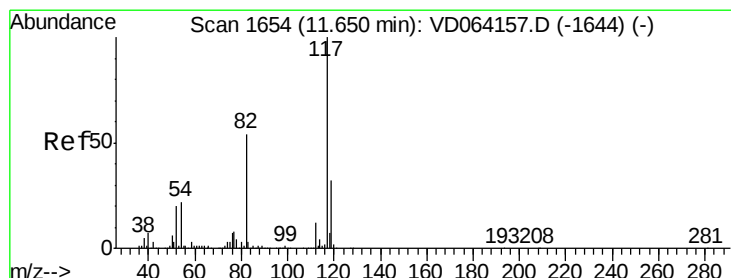
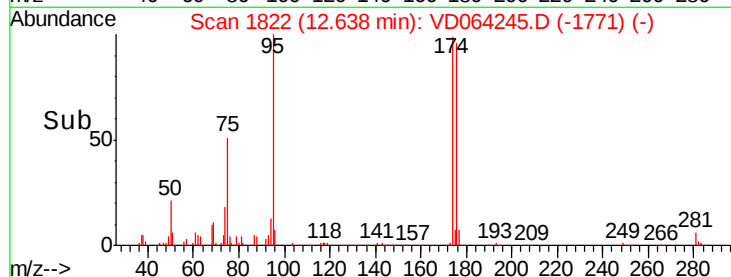
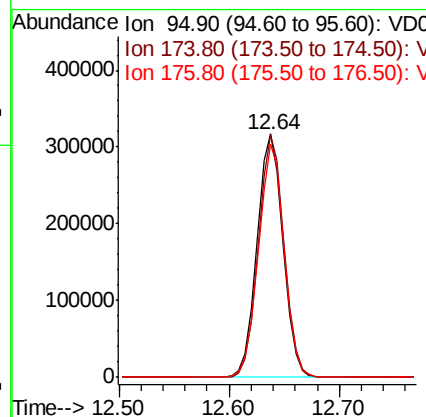
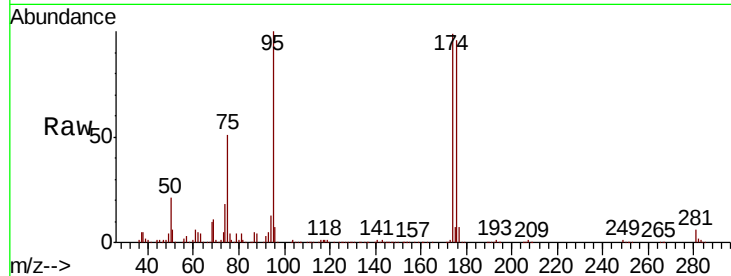




#62
4-Bromofluorobenzene
Concen: 47.800 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064245.D
Acq: 16 Nov 2019 01:32

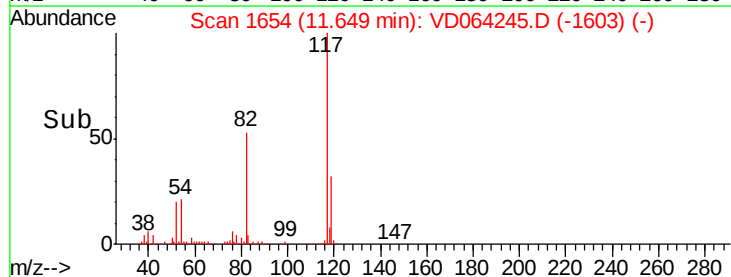
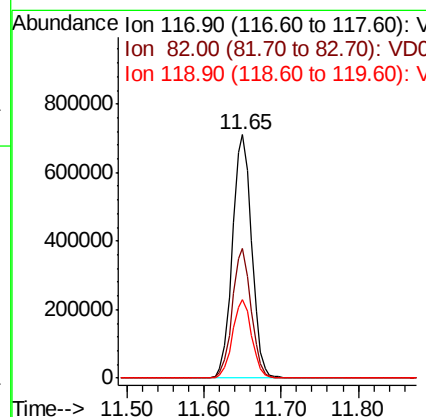
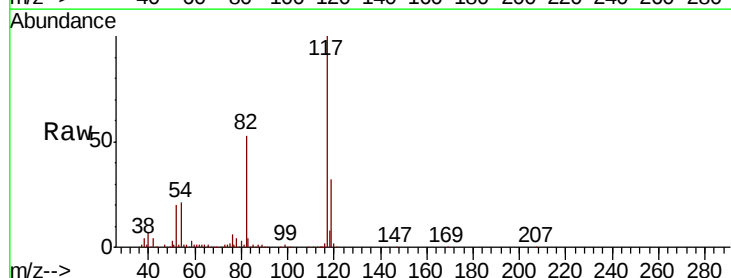
Instrument :
MSVOA_D
ClientSampleId :

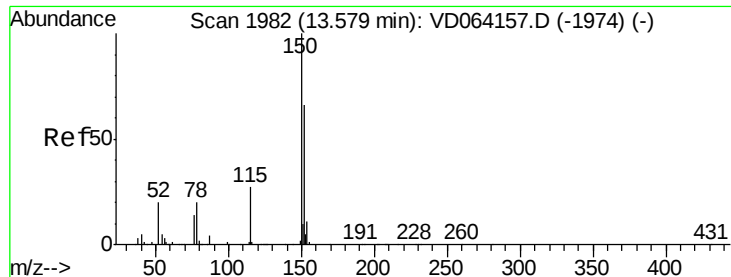
Tot Ion: 95 Resp: 522396
Ion Ratio Lower Upper
95 100
174 98.2 0.0 183.6
176 94.6 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064245.D
Acq: 16 Nov 2019 01:32

Tgt Ion: 117 Resp: 1244107
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.2 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: VD064245.D

Acq: 16 Nov 2019 01:32

Instrument :

MSVOA_D

ClientSampleId :

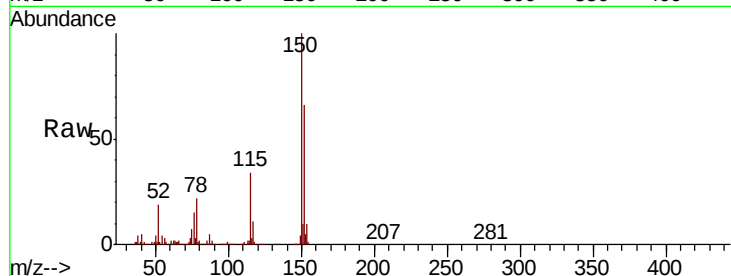
Tot Ion:152 Resp: 582813

Ion Ratio Lower Upper

152 100

115 53.5 27.4 82.2

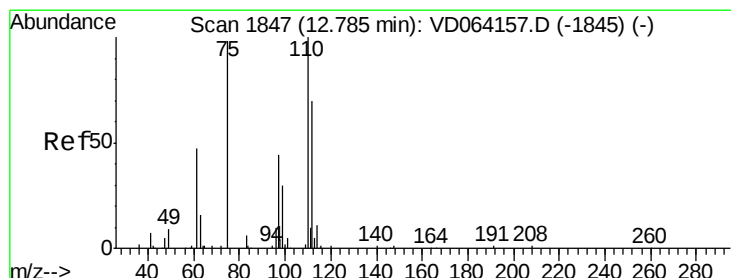
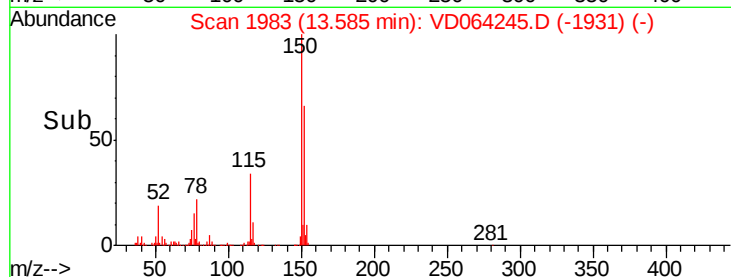
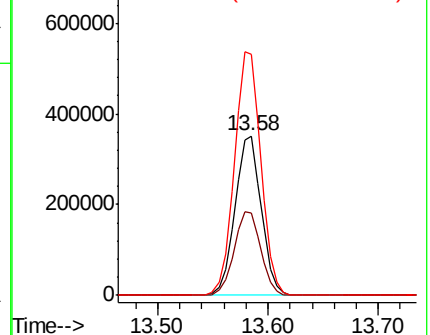
150 154.6 0.0 351.6



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: 58.037 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064245.D

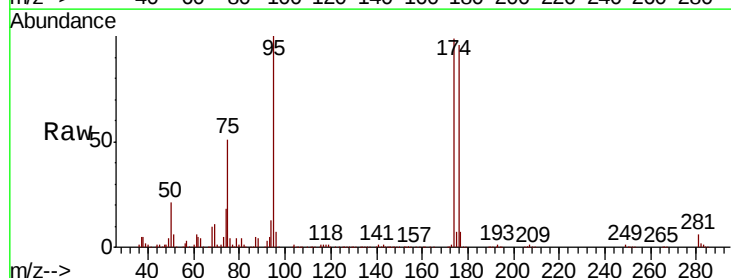
Acq: 16 Nov 2019 01:32

Tgt Ion: 75 Resp: 272446

Ion Ratio Lower Upper

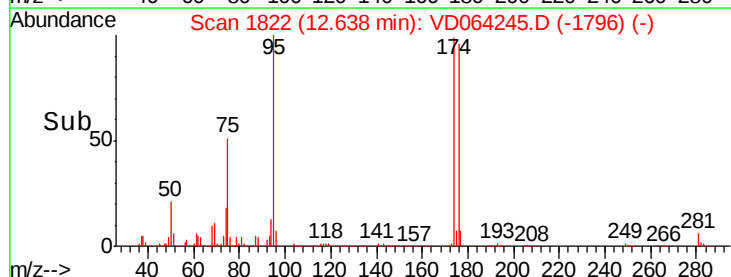
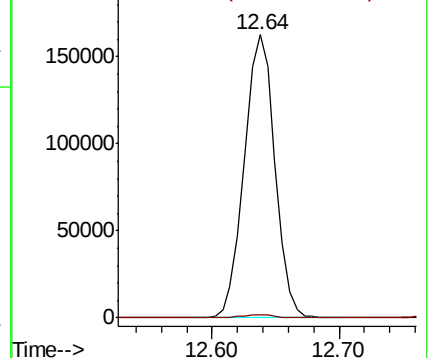
75 100

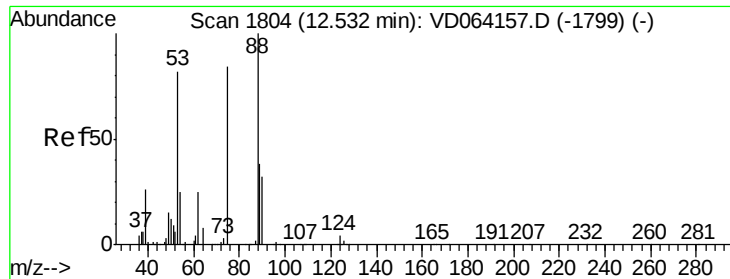
77 1.1 0.0 0.0#



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: 115.283 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064245.D

Acq: 16 Nov 2019 01:32

Instrument :

MSVOA_D

ClientSampleId :

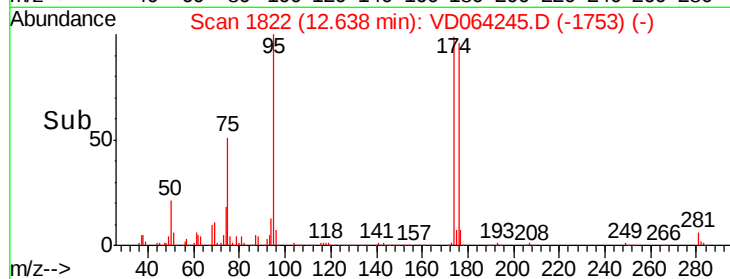
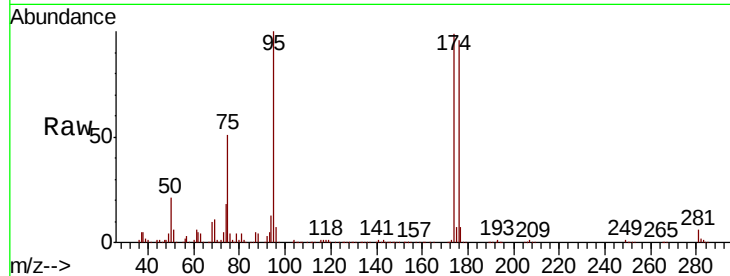
Tot Ion: 75 Resp: 272446

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

