

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064201.D
 Acq On : 12 Nov 2019 17:34
 Operator : VA/SY
 Sample : K5760-02RE
 Misc : 9.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 13 04:12:26 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	880225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1306911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1323009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	678458	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	328297	45.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.70%	
35) Dibromofluoromethane	7.92	113	375546	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
50) Toluene-d8	10.34	98	1561972	55.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.64	95	606937	61.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.86%	

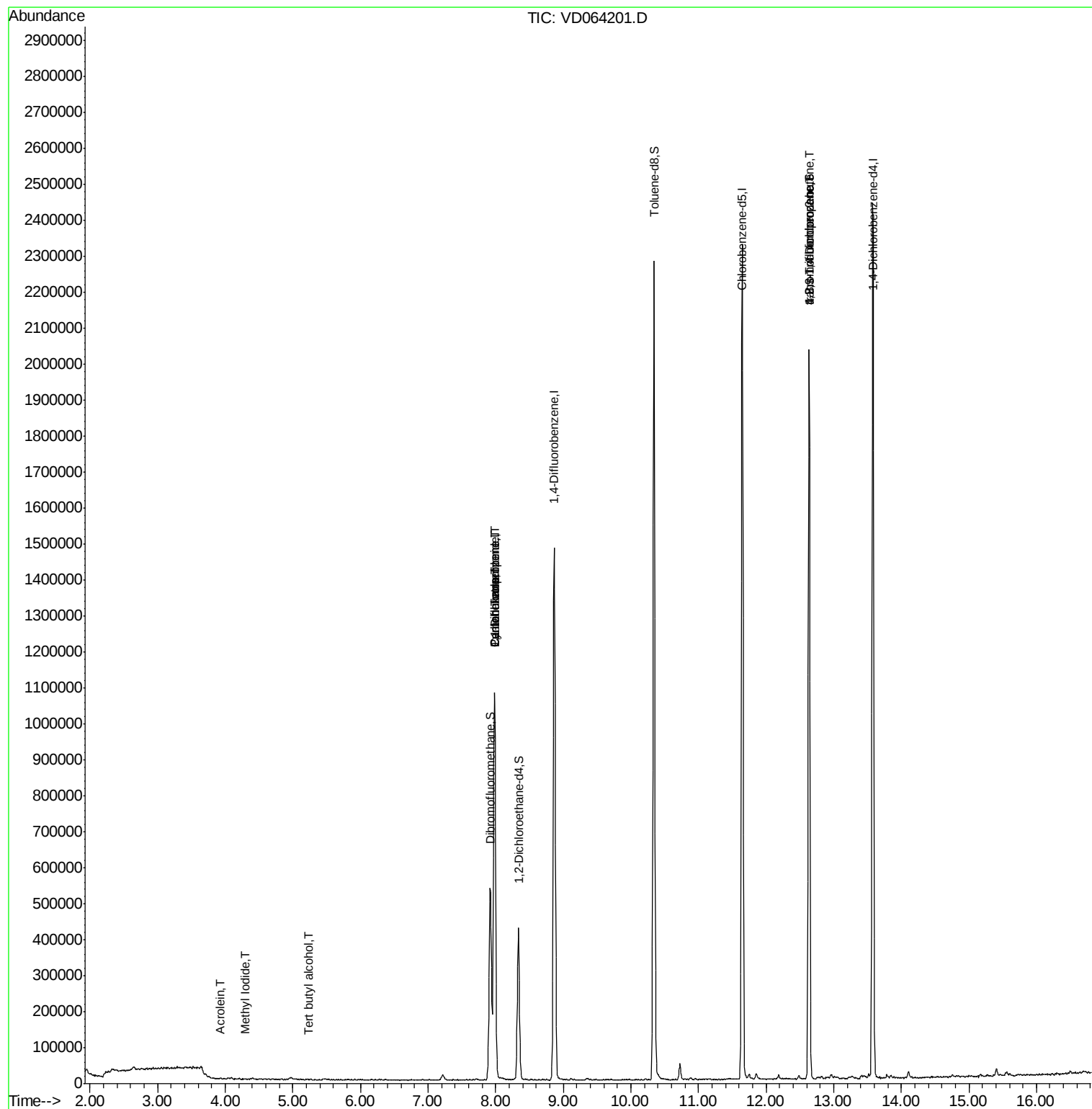
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	778	2.116	ug/l #	63
11) Tert butyl alcohol	5.24	59	527	1.042	ug/l #	1
13) Acrolein	3.93	56	653	1.527	ug/l	92
31) Cyclohexane	7.98	56	18546	1.305	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	59896	4.966	ug/l #	49
38) Carbon Tetrachloride	7.98	117	78069	6.049	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	316135	57.850	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	316135	114.912	ug/l #	10

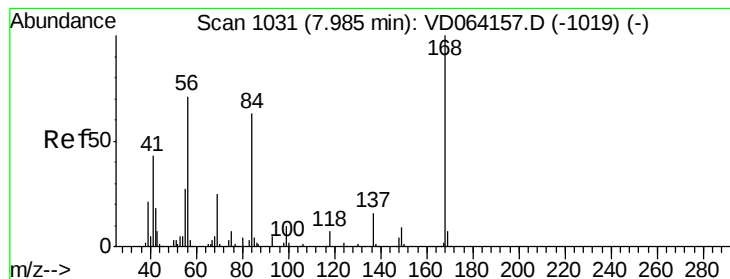
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064201.D

Acq: 12 Nov 2019 17:34

Instrument :

MSVOA_D

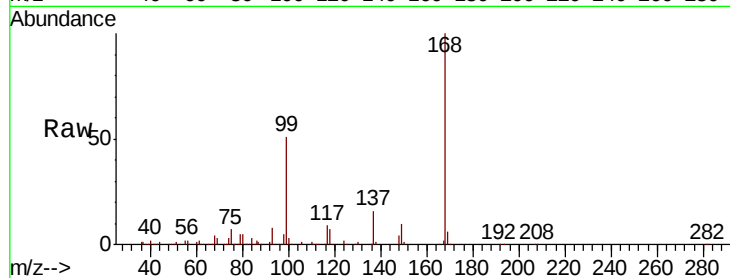
ClientSampled :

Tot Ion:168 Resp: 880225

Ion Ratio Lower Upper

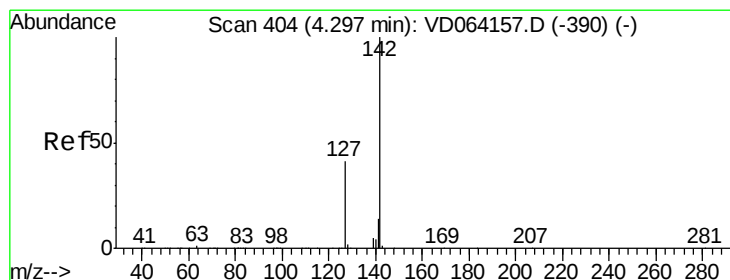
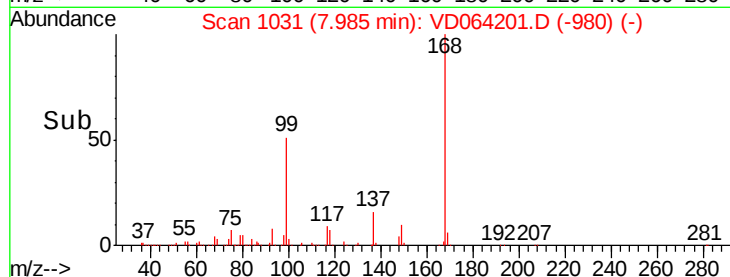
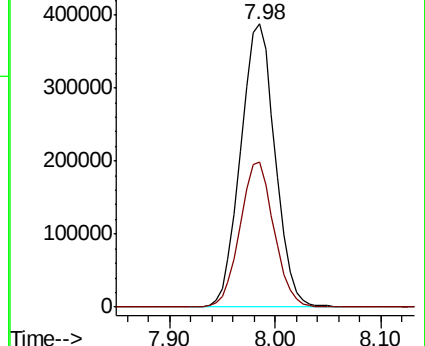
168 100

99 51.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.116 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

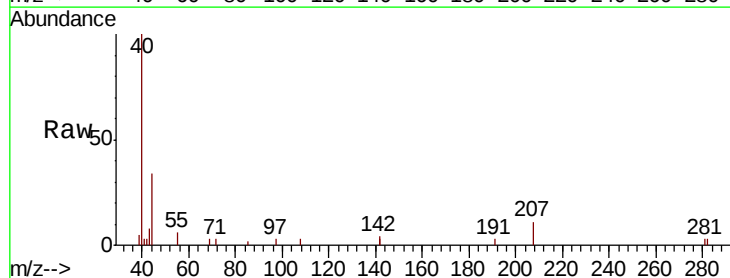
Tgt Ion:142 Resp: 778

Ion Ratio Lower Upper

142 100

127 18.8 34.4 51.6#

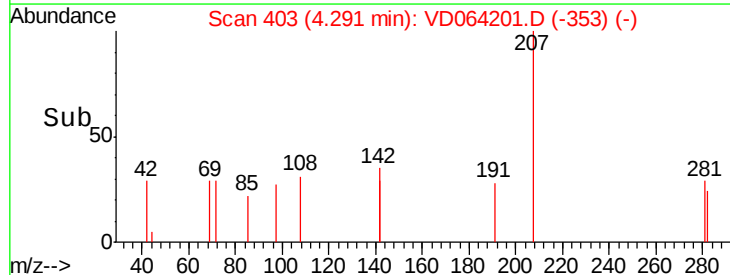
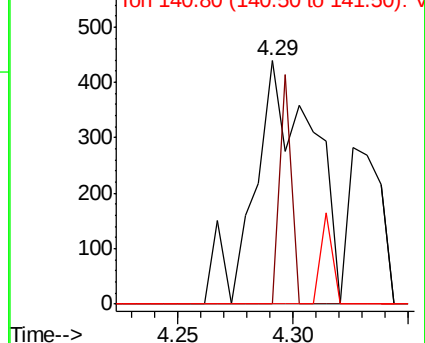
141 0.0 11.2 16.8#

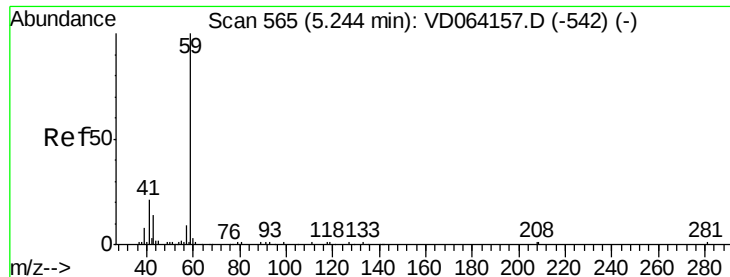


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

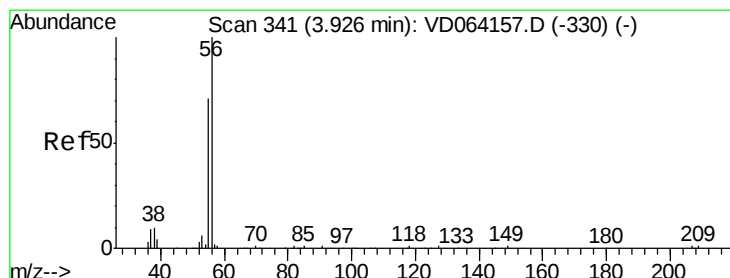
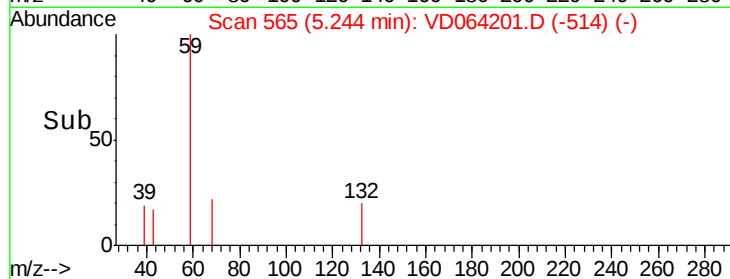
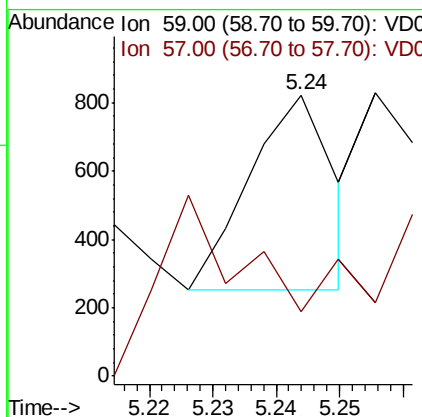
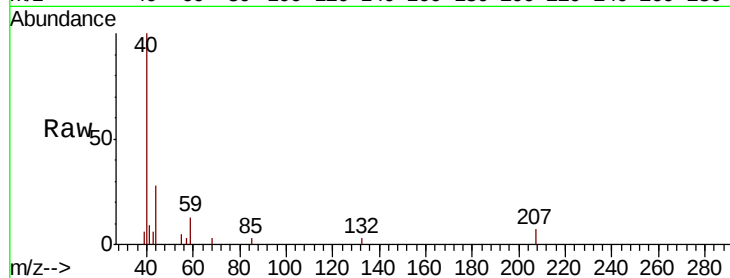




#11
Tert butyl alcohol
Concen: 1.042 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

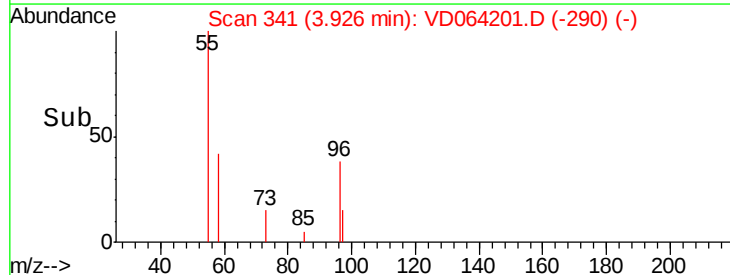
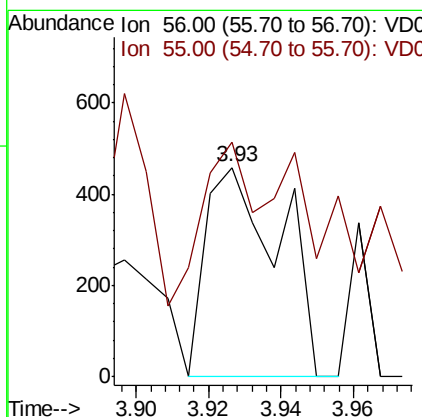
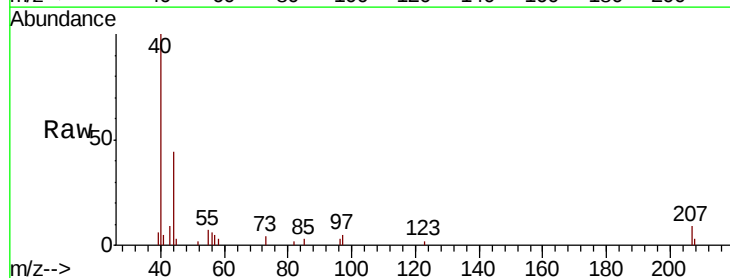
Instrument :
MSVOA_D
ClientSampled :

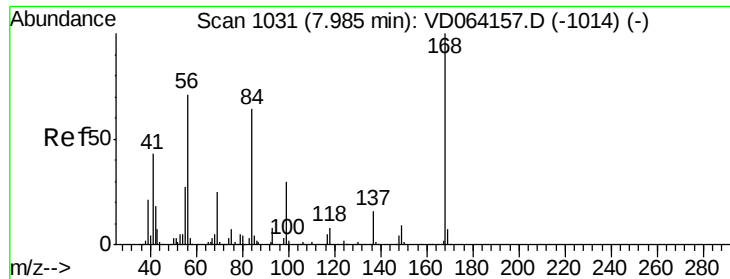
Tot Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 106.6 9.4 14.2#



#13
Acrolein
Concen: 1.527 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

Tgt Ion: 56 Resp: 653
Ion Ratio Lower Upper
56 100
55 63.6 56.1 84.1

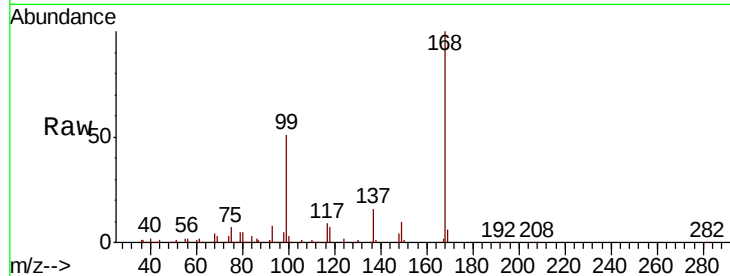




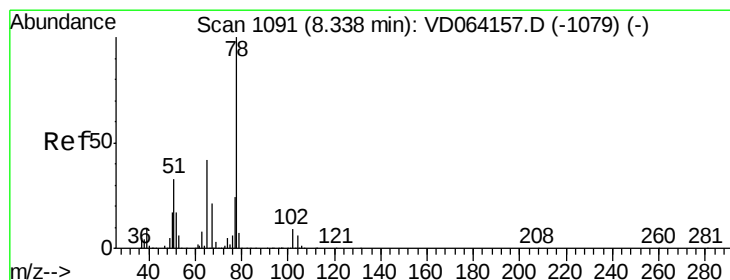
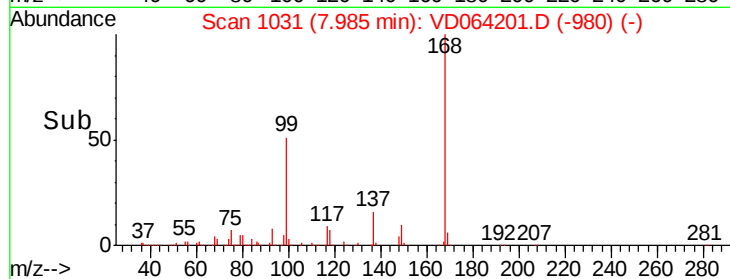
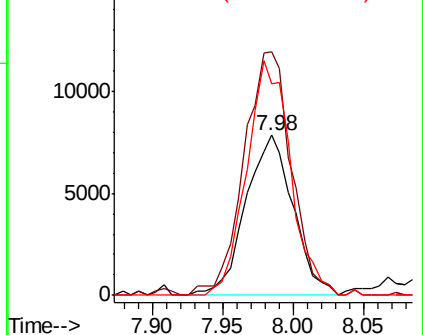
#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18546
Ion Ratio Lower Upper
56 100
69 152.1 28.2 42.4#
84 132.3 71.8 107.6#

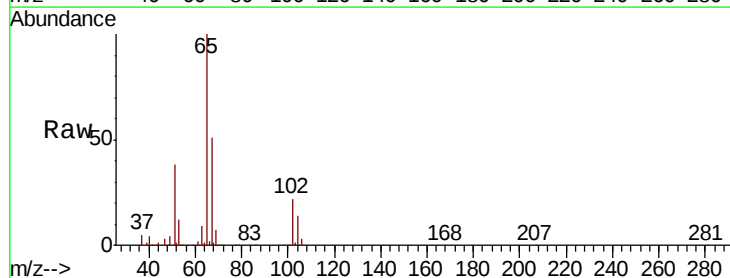


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

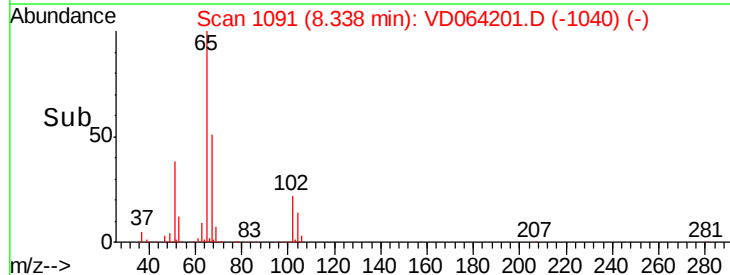
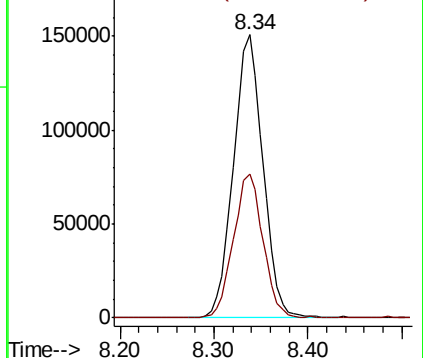


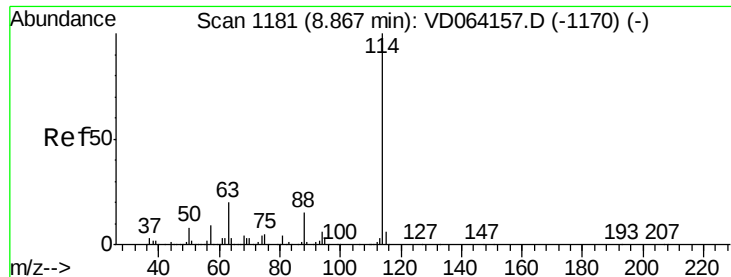
#33
1,2-Dichloroethane-d4
Concen: 45.349 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

Tgt Ion: 65 Resp: 328297
Ion Ratio Lower Upper
65 100
67 51.0 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: VD064201.D

Acq: 12 Nov 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

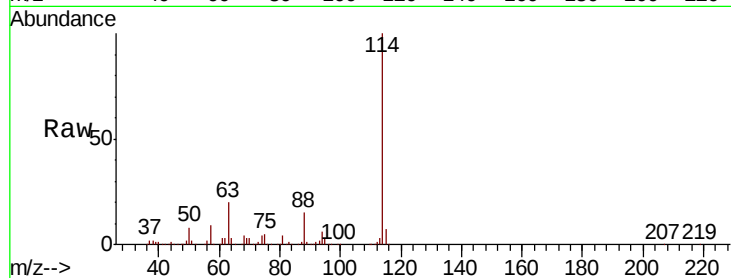
Tot Ion:114 Resp: 1306911

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

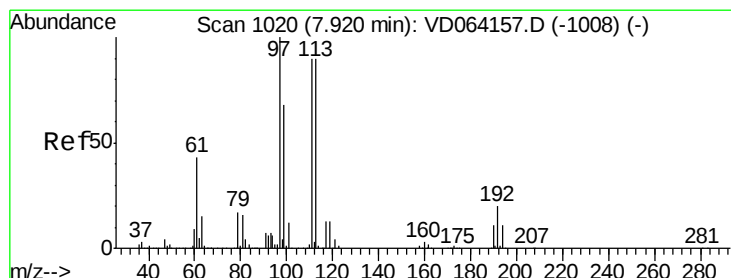
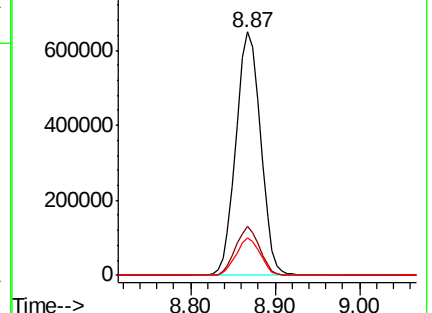
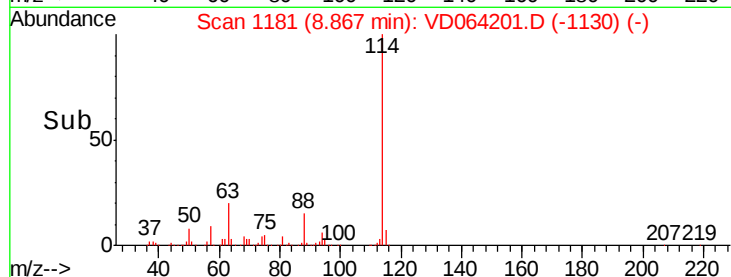
88 15.2 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 50.060 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

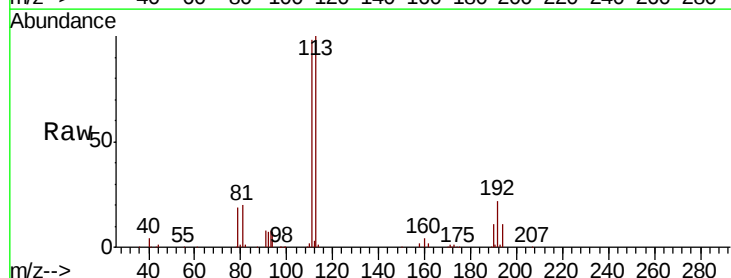
Tgt Ion:113 Resp: 375546

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

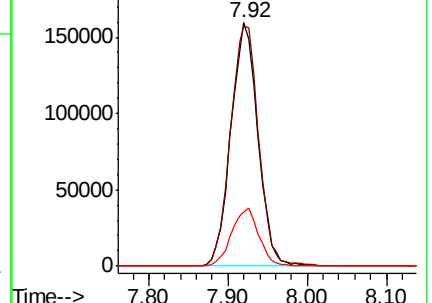
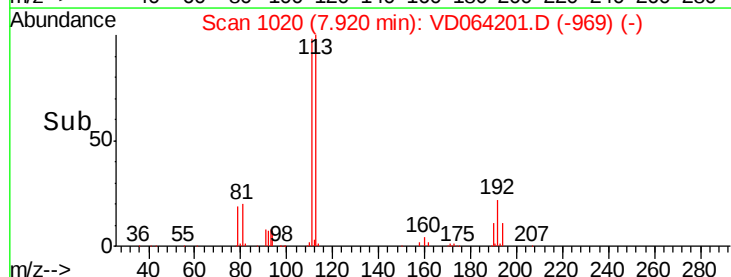
192 23.8 18.8 28.2

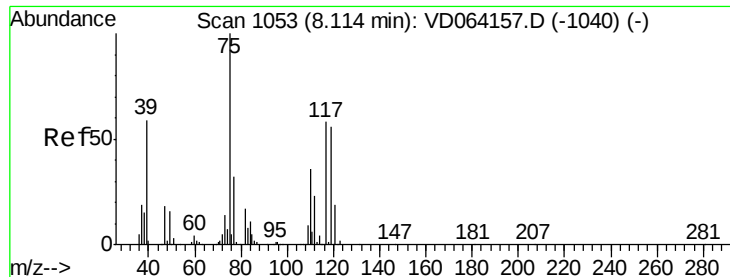


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :

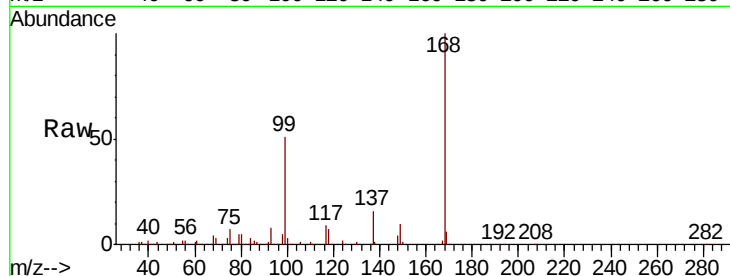
Tot Ion: 75 Resp: 59896

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.9#

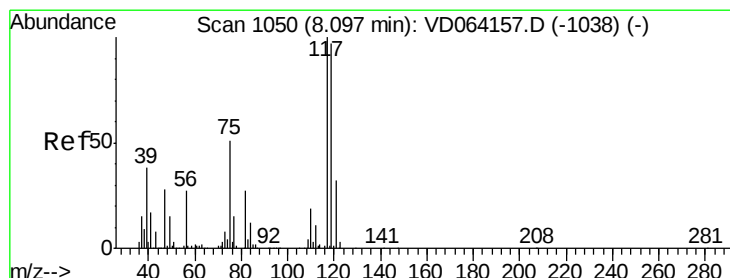
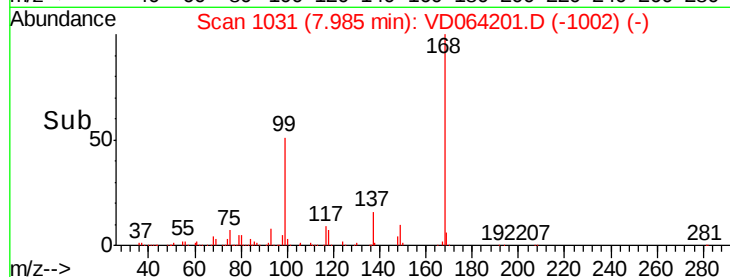
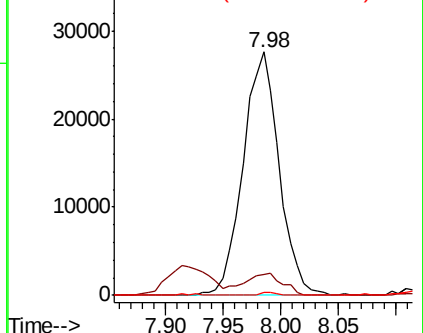
77 0.5 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD064201.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064201.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064201.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 6.049 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

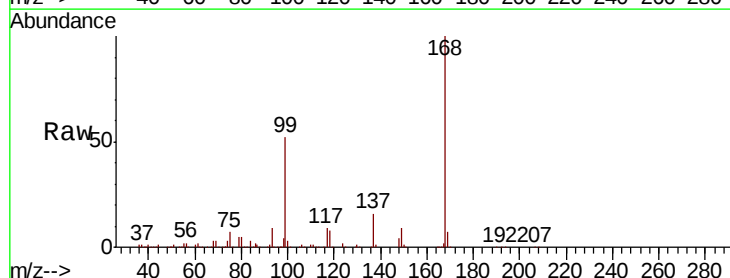
Tgt Ion: 117 Resp: 78069

Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

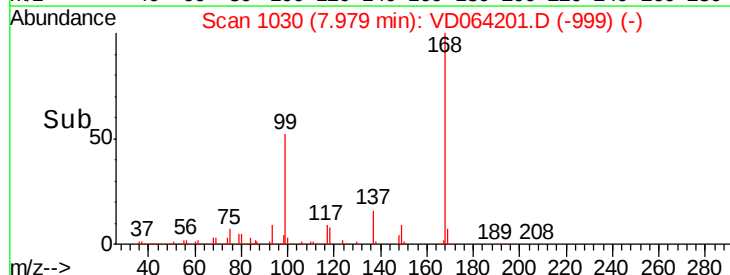
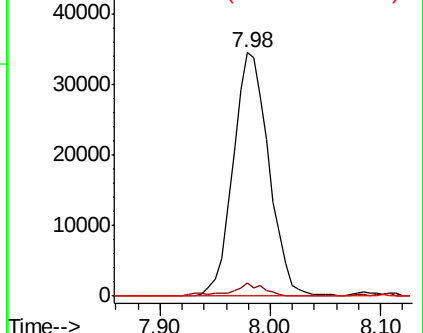
121 0.0 25.5 38.3#

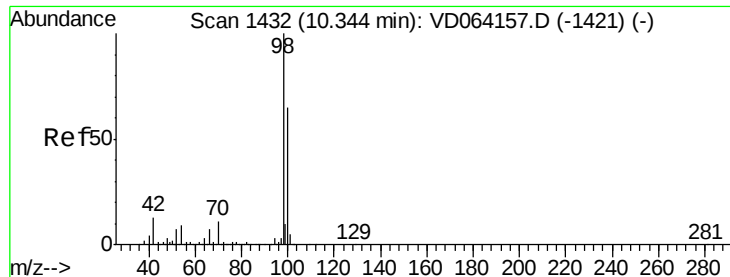


Abundance Ion 116.80 (116.50 to 117.50): VD064201.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064201.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064201.D (-999) (-)

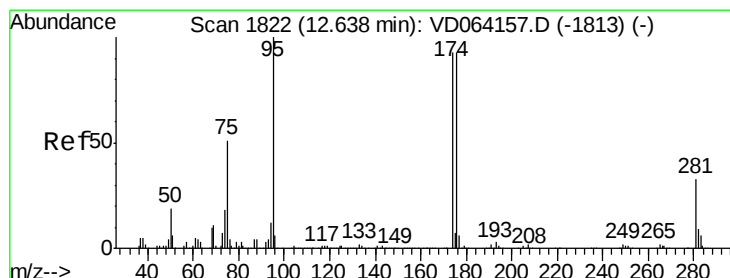
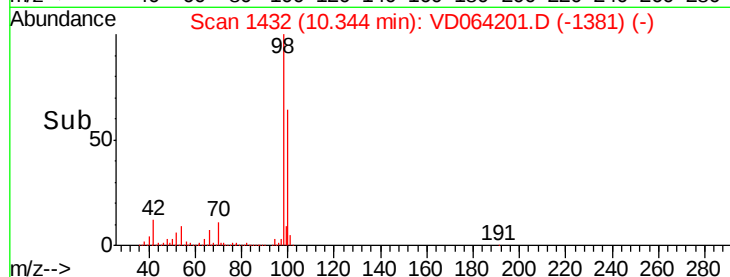
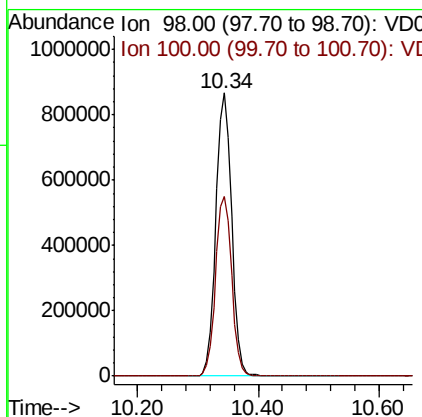
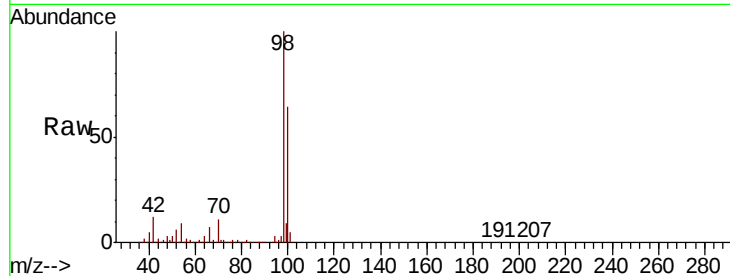




#50
Toluene-d8
Concen: 55.193 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

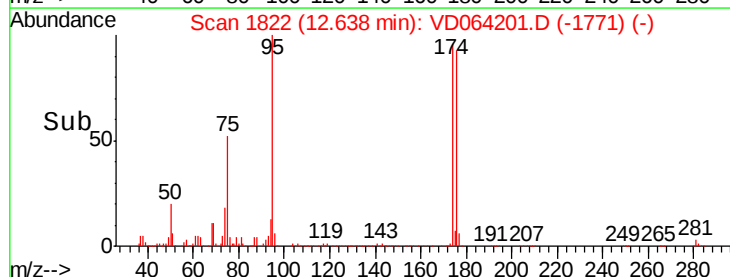
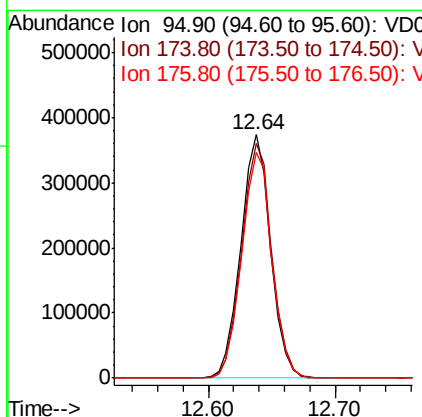
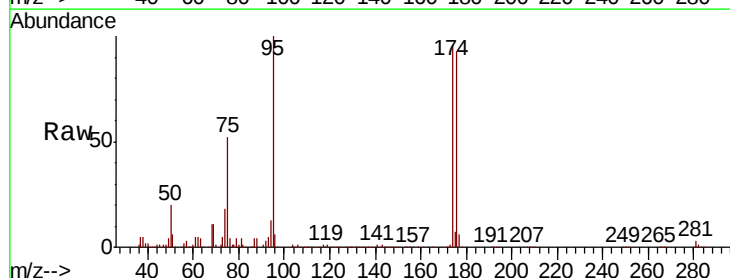
Instrument :
MSVOA_D
ClientSampleId :

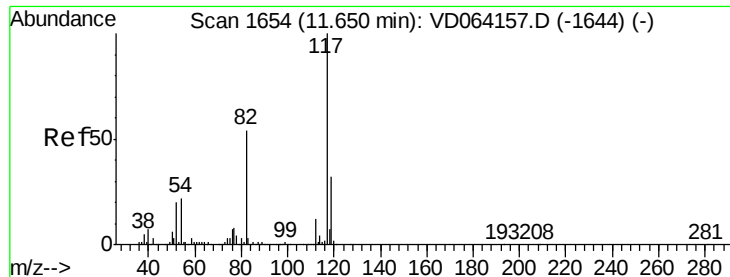
Tot Ion: 98 Resp: 1561972
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 61.929 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

Tgt Ion: 95 Resp: 606937
Ion Ratio Lower Upper
95 100
174 97.9 0.0 183.6
176 94.0 0.0 180.2

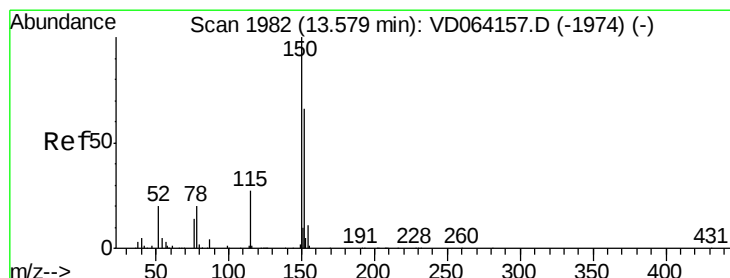
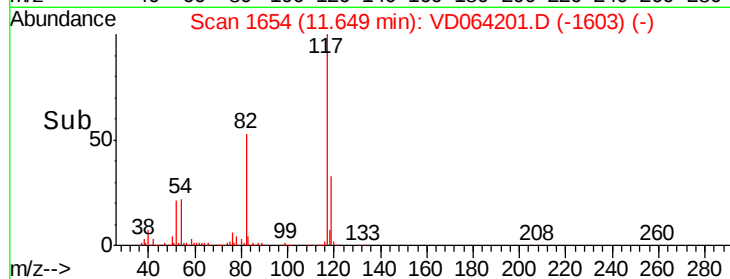
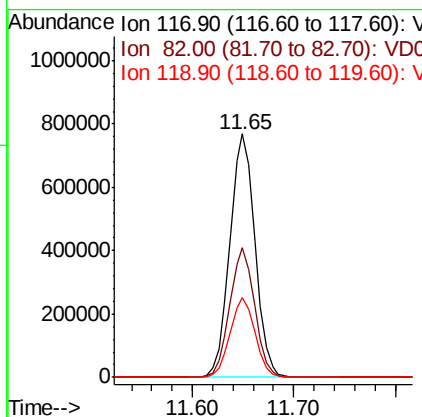
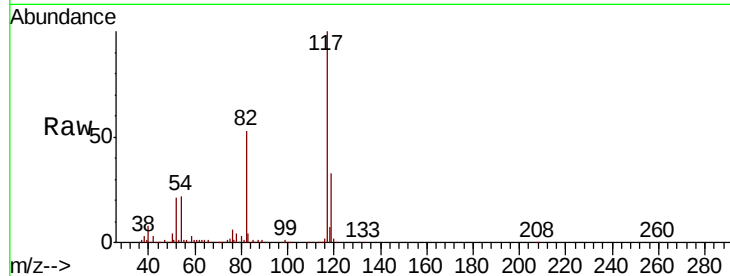




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

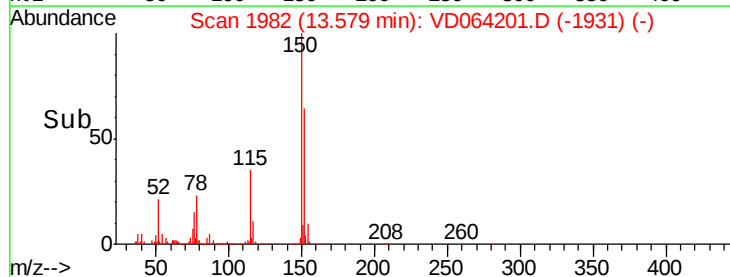
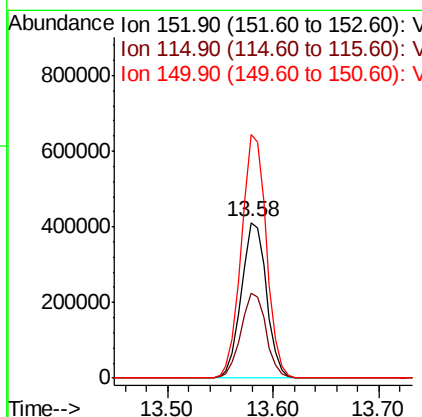
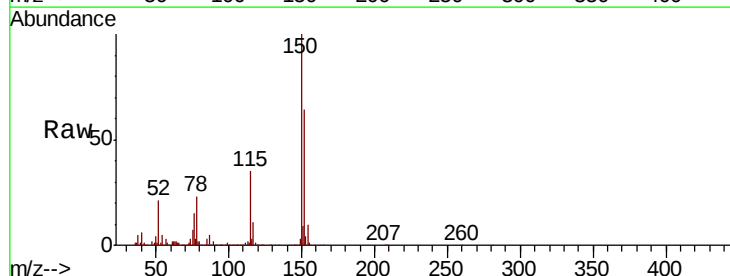
Instrument :
MSVOA_D
ClientSampleId :

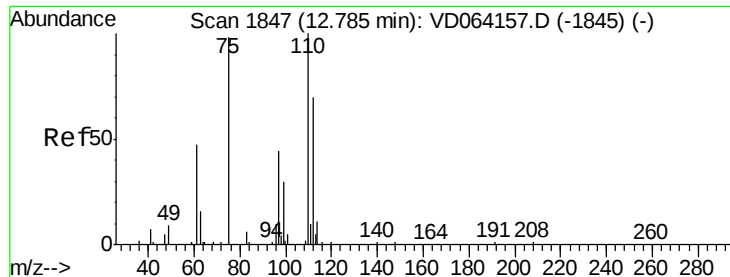
Tot Ion:117 Resp: 1323009
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064201.D
Acq: 12 Nov 2019 17:34

Tgt Ion:152 Resp: 678458
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 155.7 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 57.850 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

Instrument :

MSVOA_D

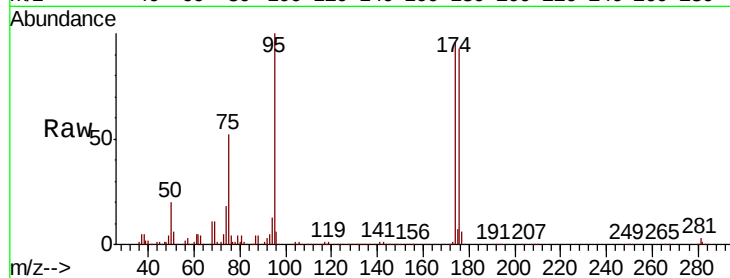
ClientSampleId :

Tot Ion: 75 Resp: 316135

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

200000

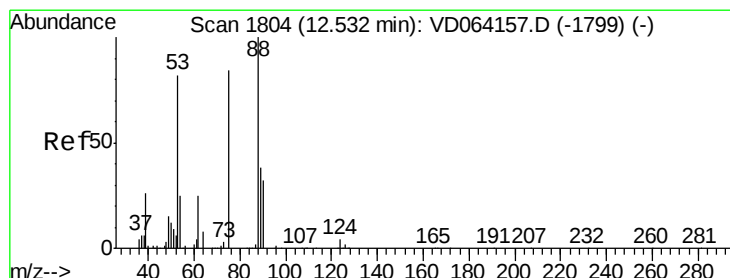
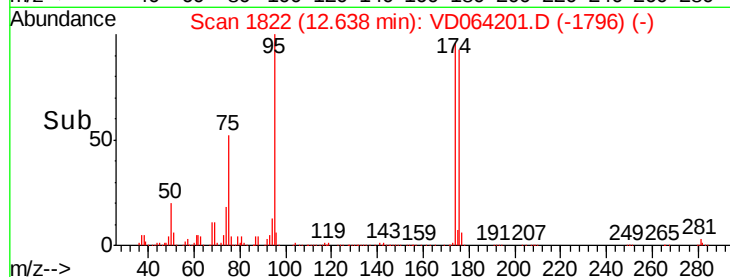
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 114.912 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064201.D

Acq: 12 Nov 2019 17:34

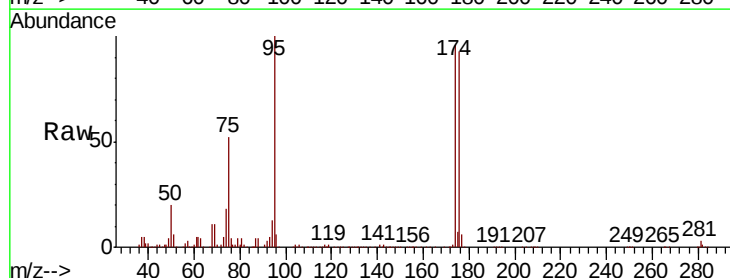
Tgt Ion: 75 Resp: 316135

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

250000

200000

150000

100000

50000

0

Time-->

