

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064100.D
 Acq On : 29 Oct 2019 20:35
 Operator : VA/SY
 Sample : K5599-01
 Misc : 5.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

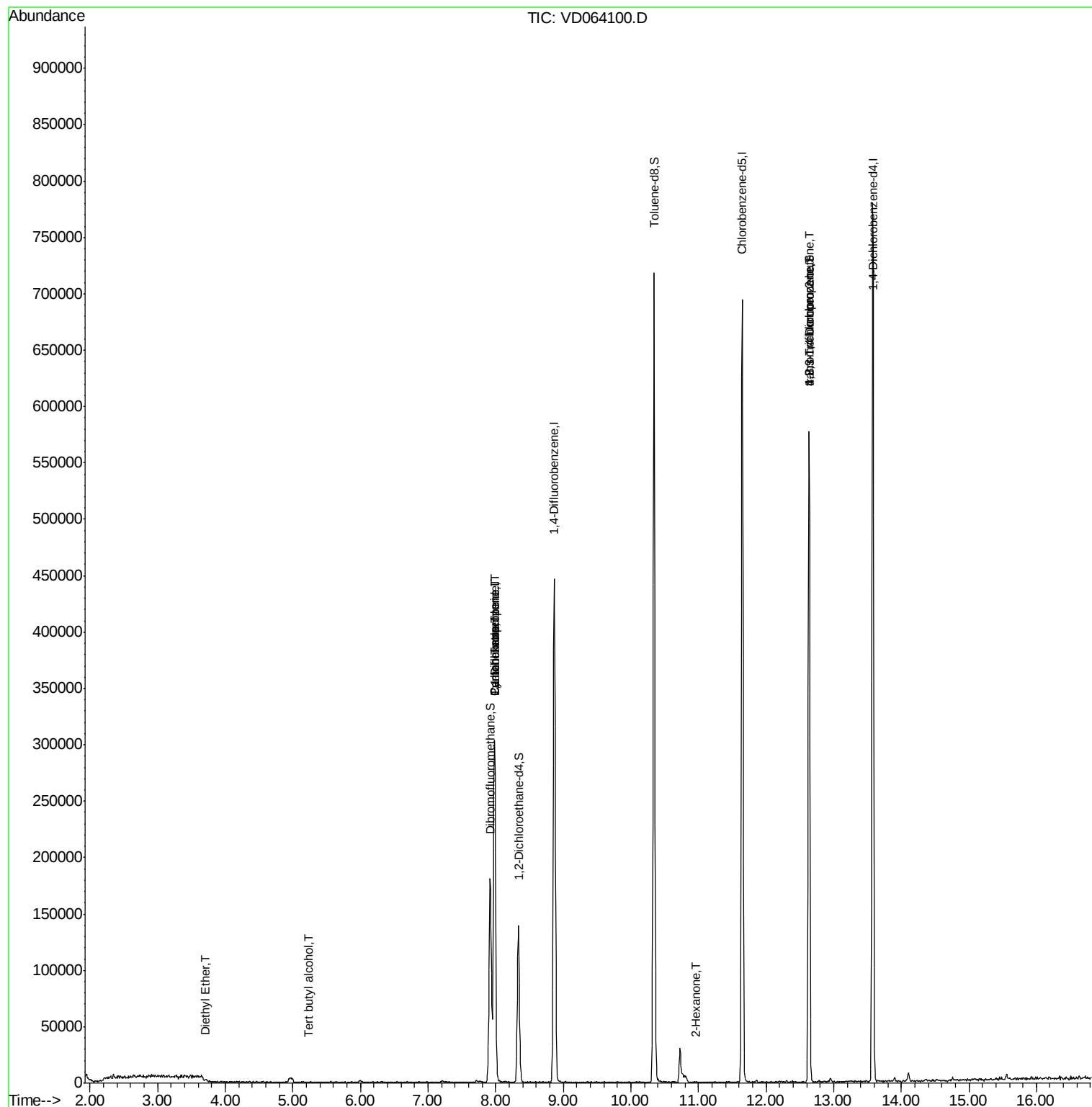
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	246921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	408112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	109654	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
35) Dibromofluoromethane	7.92	113	126243	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
50) Toluene-d8	10.34	98	491681	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.64	95	172757	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	1251	1.146	ug/l	69
11) Tert butyl alcohol	5.24	59	143	7.425	ug/l #	71
20) Methylene Chloride	4.98	84	1811	Below Cal	#	81
31) Cyclohexane	7.98	56	4213	1.153	ug/l #	58
36) 1,1-Dichloropropene	7.99	75	16887	4.416	ug/l #	50
38) Carbon Tetrachloride	7.98	117	23072	5.530	ug/l #	16
59) 2-Hexanone	10.96	43	162	9.168	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	88981	61.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	88981	125.257	ug/l #	15

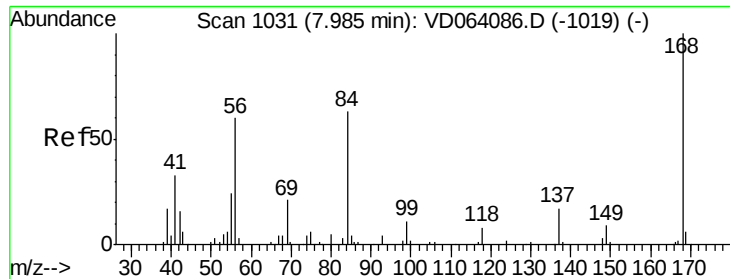
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Oct 30 08:09:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 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: VD064100.D

Acq: 29 Oct 2019 20:35

Instrument :

MSVOA_D

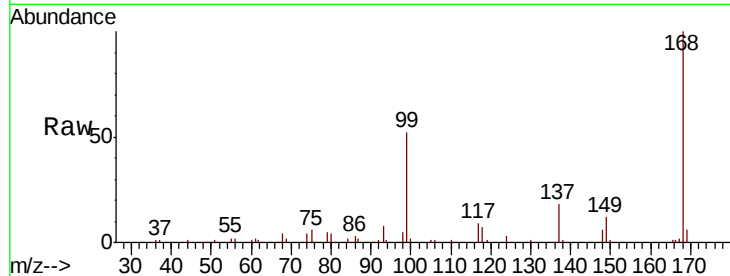
ClientSampleId :

Tot Ion:168 Resp: 246921

Ion Ratio Lower Upper

168 100

99 51.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

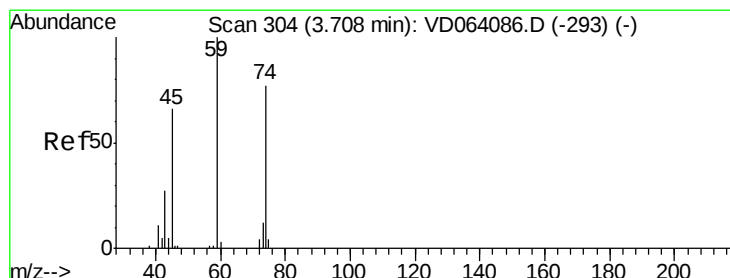
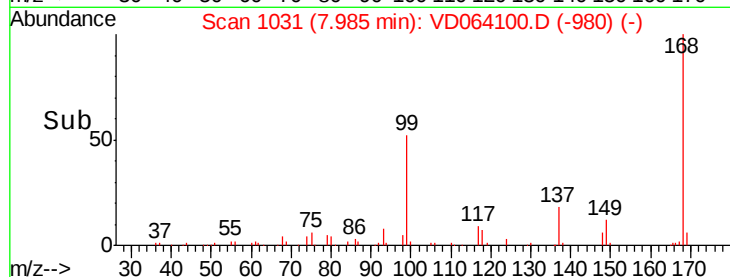
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.146 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064100.D

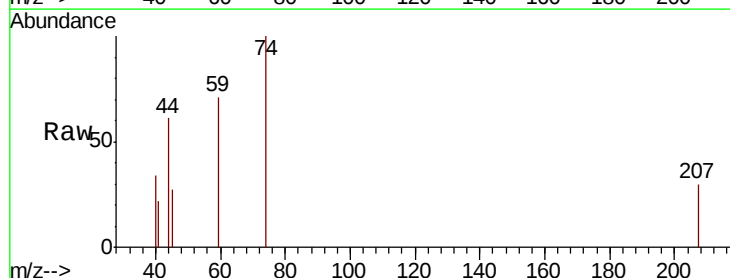
Acq: 29 Oct 2019 20:35

Tgt Ion: 74 Resp: 1251

Ion Ratio Lower Upper

74 100

45 59.6 44.1 132.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

1000

800

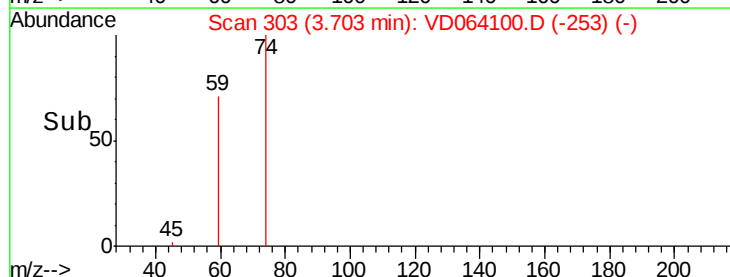
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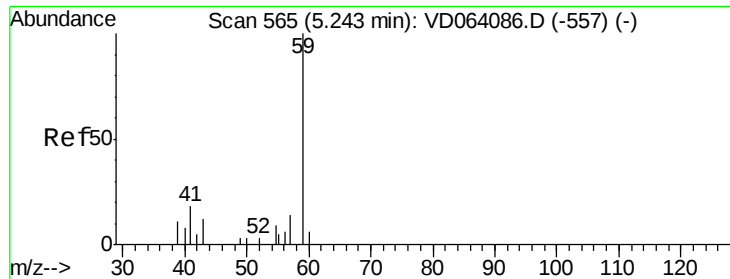
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200

0

Time-->

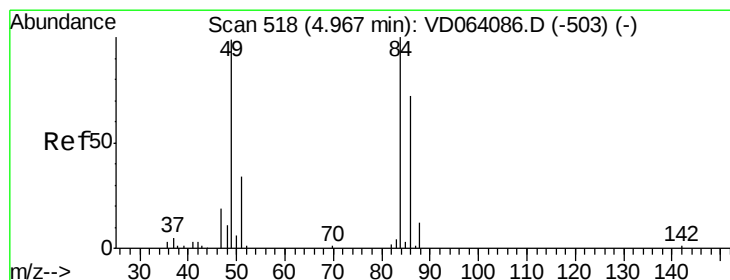
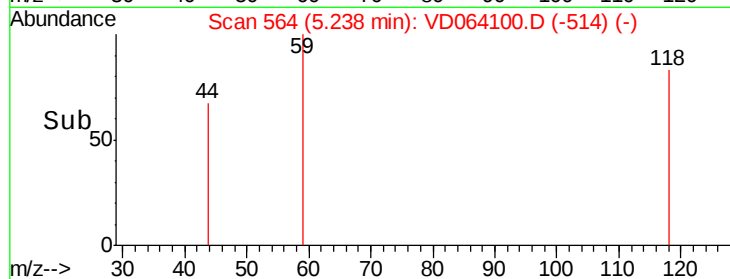
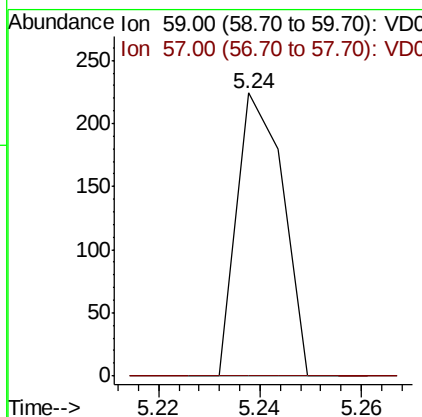
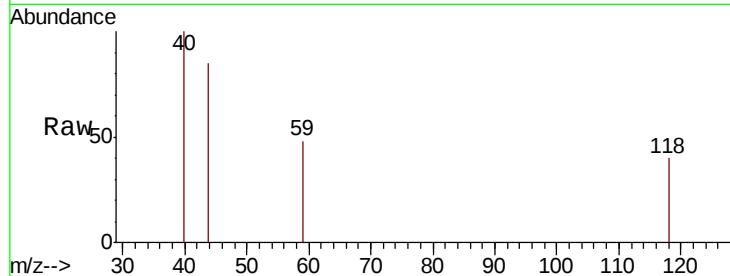




#11
Tert butyl alcohol
Concen: 7.425 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

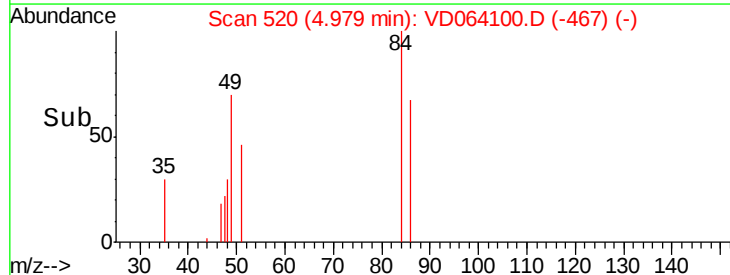
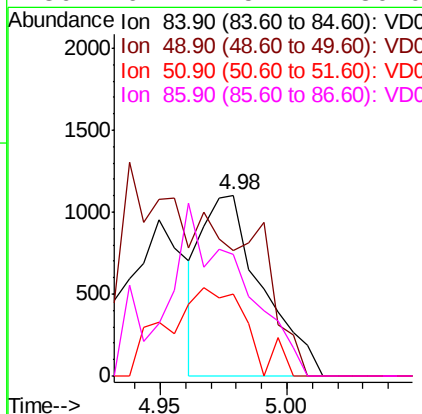
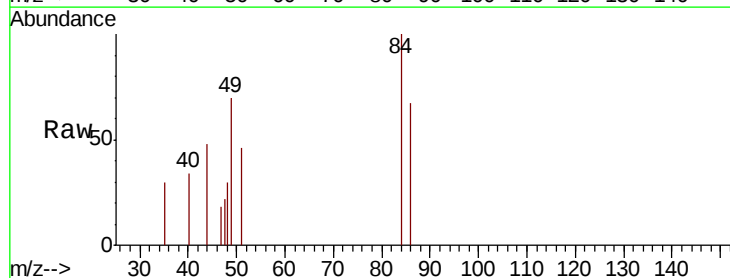
Instrument :
MSVOA_D
ClientSampled :

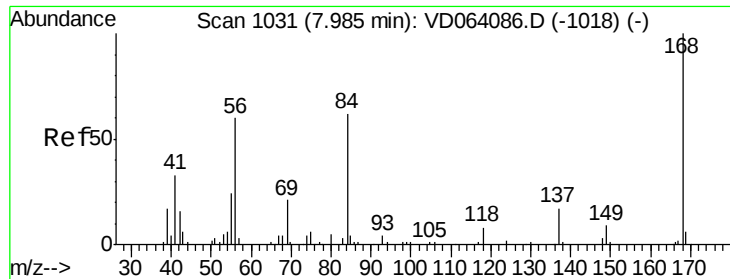
Tot Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

Tgt Ion: 84 Resp: 1811
Ion Ratio Lower Upper
84 100
49 69.7 79.4 119.0#
51 45.6 27.4 41.2#
86 67.4 57.4 86.0

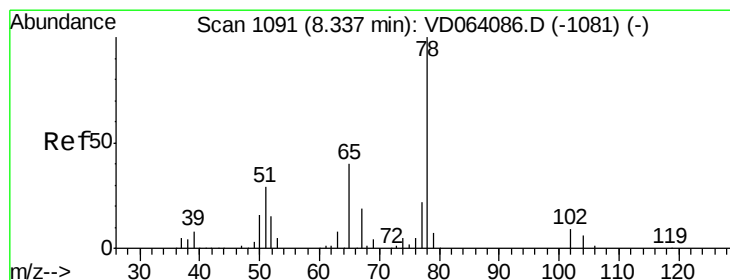
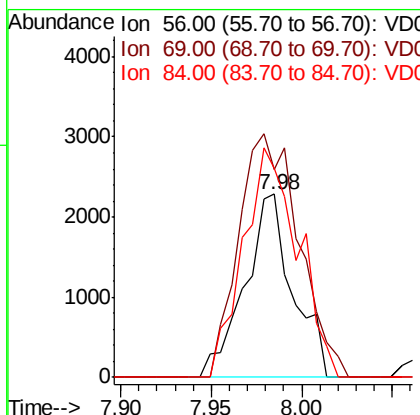
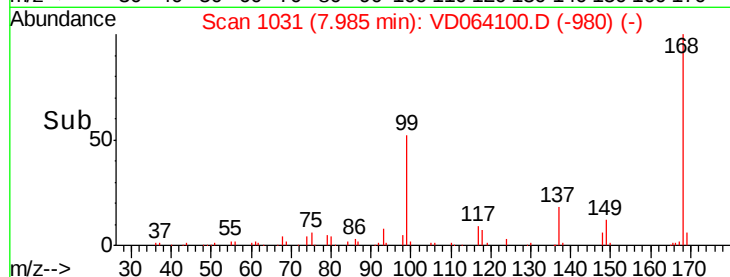
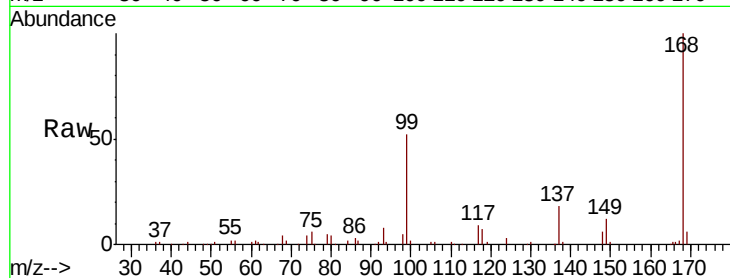




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

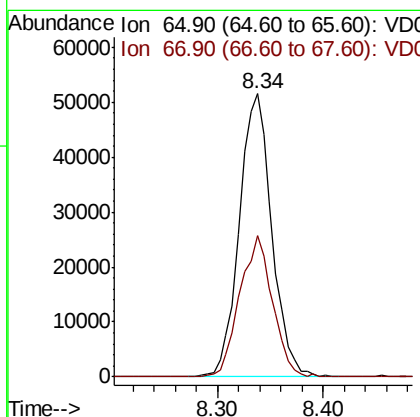
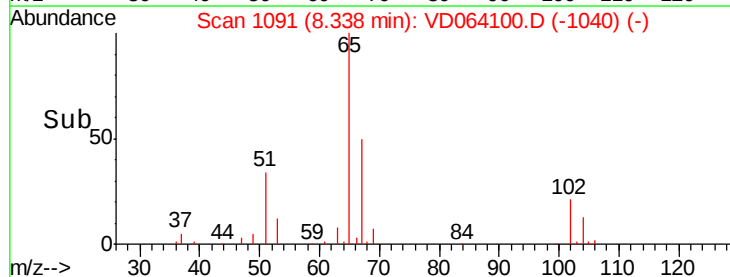
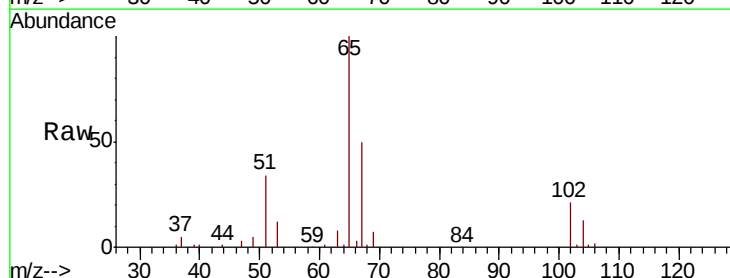
Instrument :
MSVOA_D
ClientSampleId :

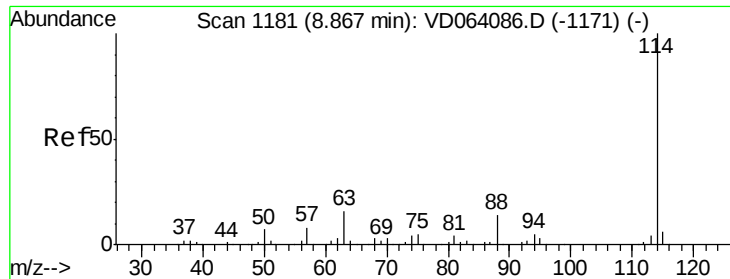
Tot Ion: 56 Resp: 4213
Ion Ratio Lower Upper
56 100
69 113.5 27.7 41.5#
84 114.3 83.1 124.7



#33
1,2-Dichloroethane-d4
Concen: 55.838 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

Tgt Ion: 65 Resp: 109654
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064100.D

Acq: 29 Oct 2019 20:35

Instrument :

MSVOA_D

ClientSampled :

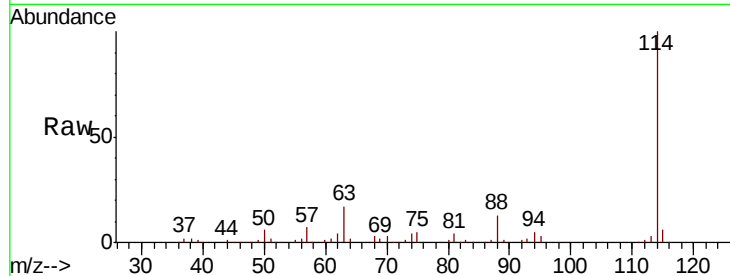
Tot Ion:114 Resp: 408112

Ion Ratio Lower Upper

114 100

63 17.0 0.0 32.8

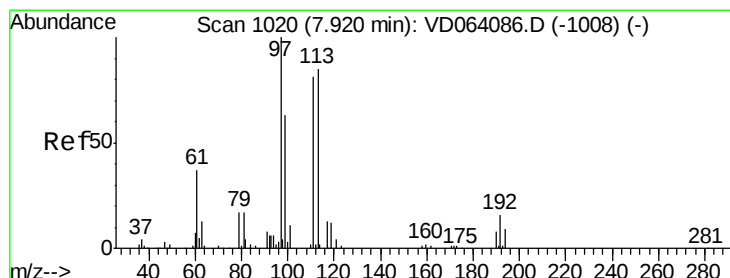
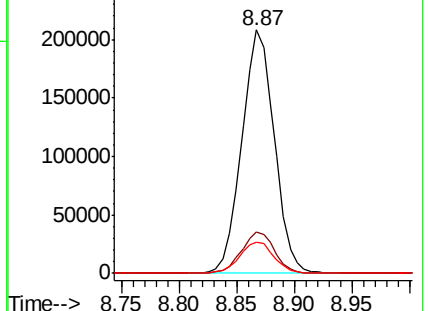
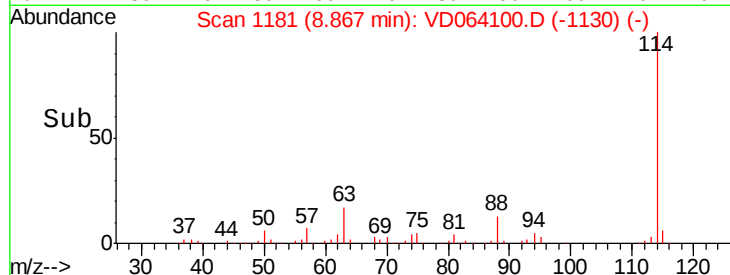
88 12.8 0.0 27.6



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: 50.280 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064100.D

Acq: 29 Oct 2019 20:35

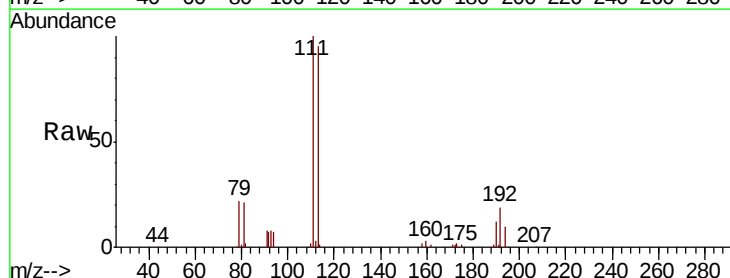
Tgt Ion:113 Resp: 126243

Ion Ratio Lower Upper

113 100

111 104.0 79.3 118.9

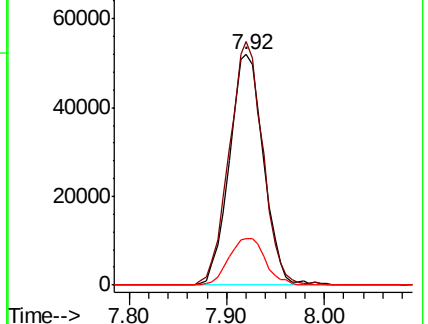
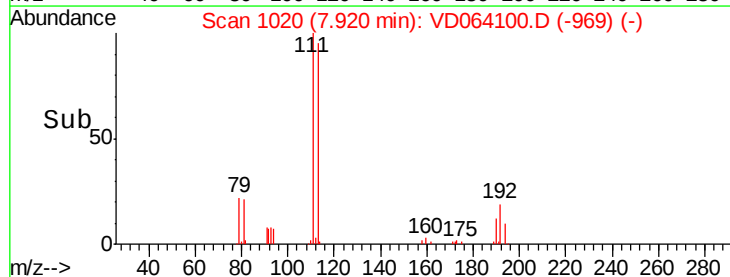
192 21.5 16.2 24.2

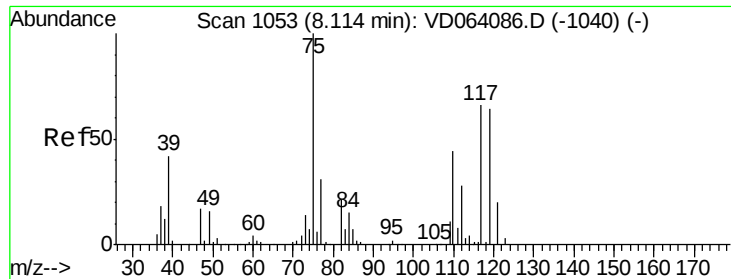


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

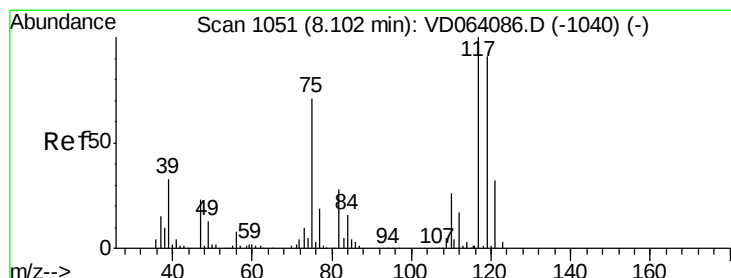
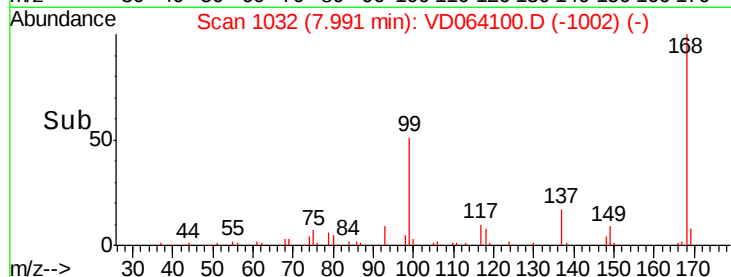
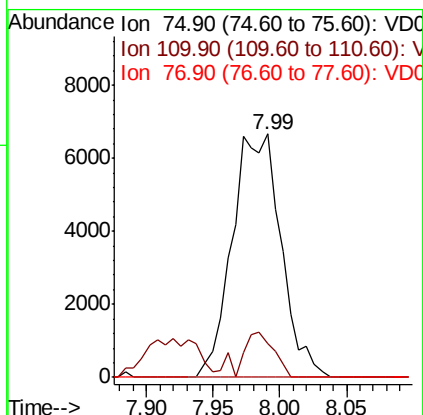
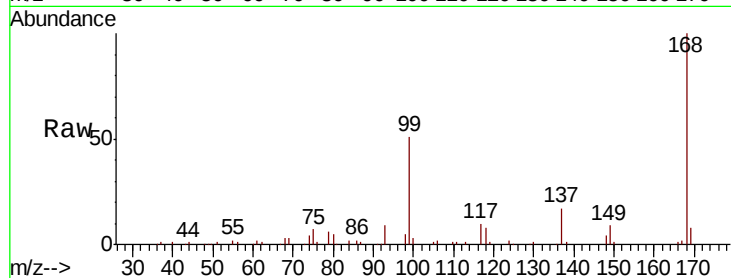




#36
 1,1-Dichloropropene
 Concen: 4.416 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD064100.D
 Acq: 29 Oct 2019 20:35

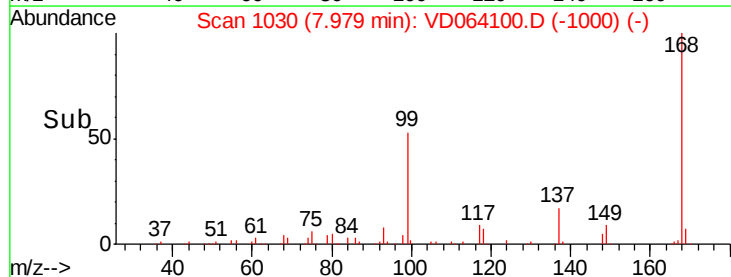
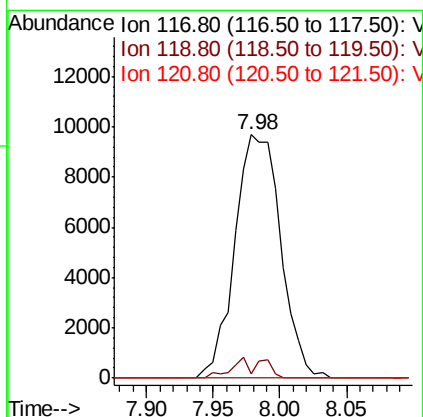
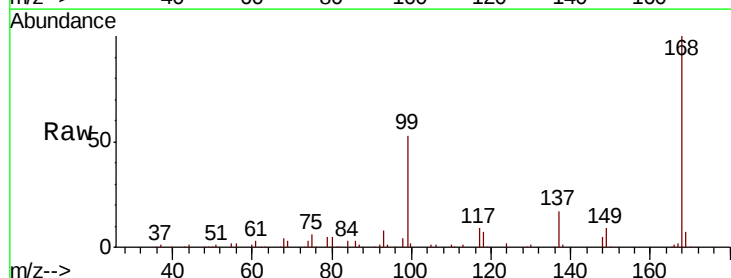
Instrument :
 MSVOA_D
 ClientSampleId :

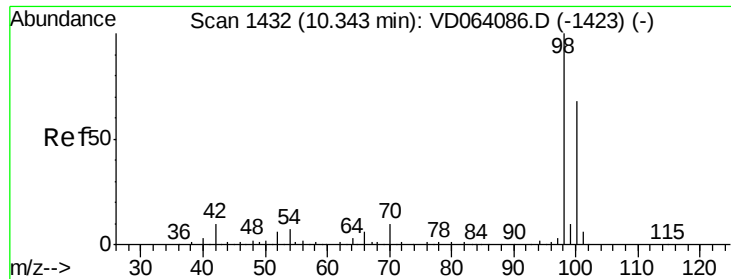
Tot Ion: 75 Resp: 16887
 Ion Ratio Lower Upper
 75 100
 110 12.3 20.0 59.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.530 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064100.D
 Acq: 29 Oct 2019 20:35

Tgt Ion: 117 Resp: 23072
 Ion Ratio Lower Upper
 117 100
 119 1.9 72.6 108.8#
 121 0.0 25.8 38.6#

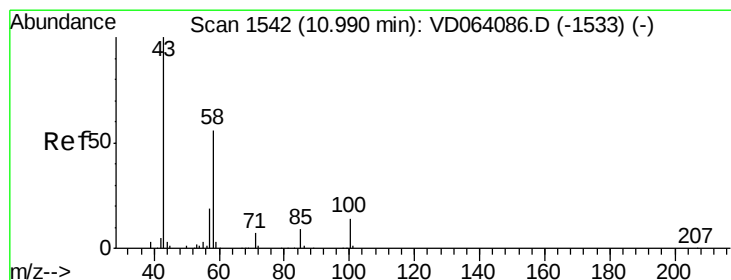
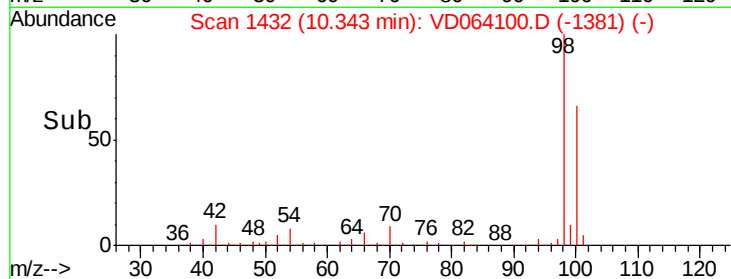
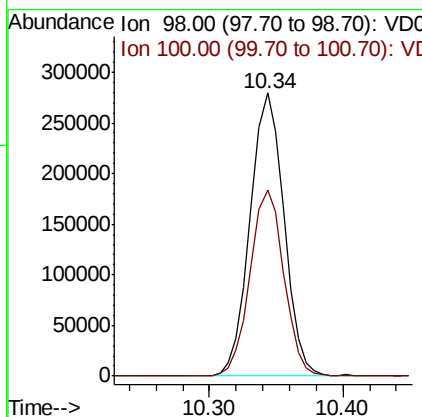
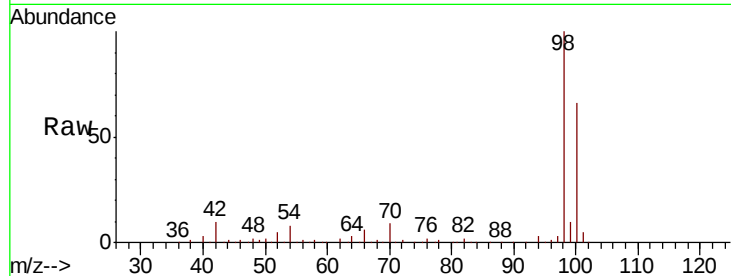




#50
Toluene-d8
Concen: 48.966 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

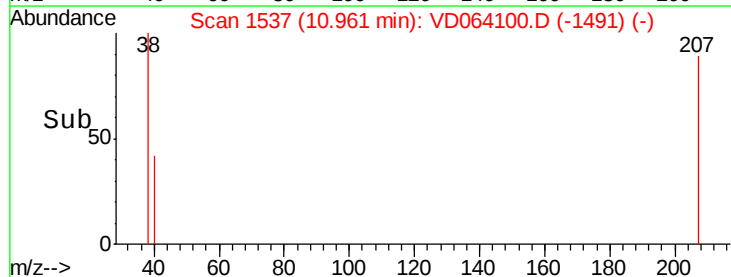
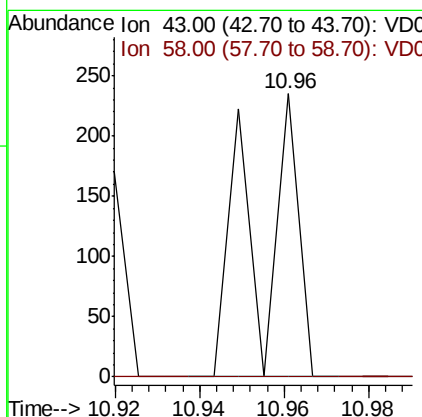
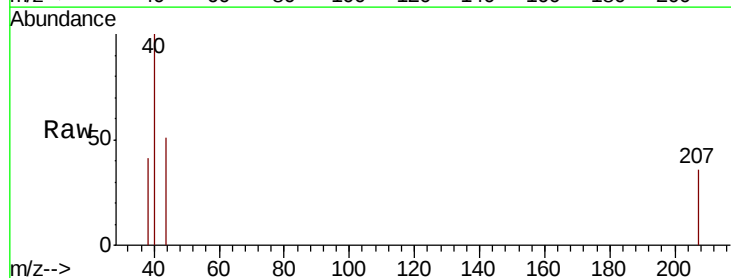
Instrument :
MSVOA_D
ClientSampleId :

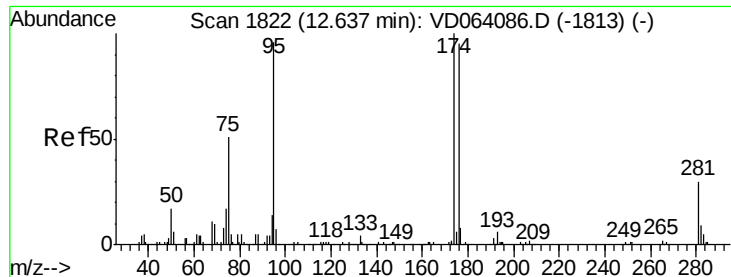
Tot Ion: 98 Resp: 491681
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



#59
2-Hexanone
Concen: 9.168 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.03 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#

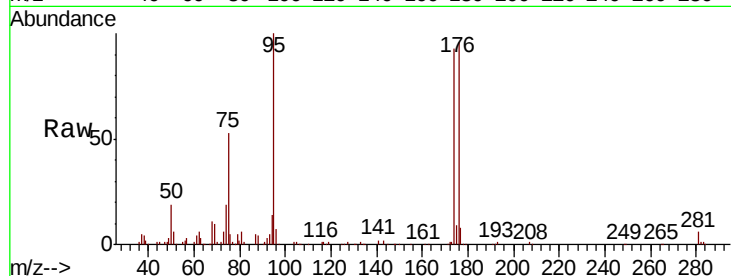




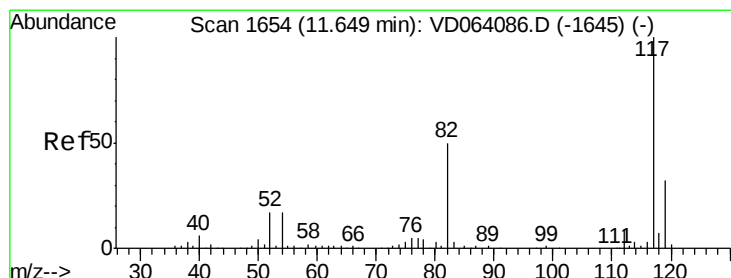
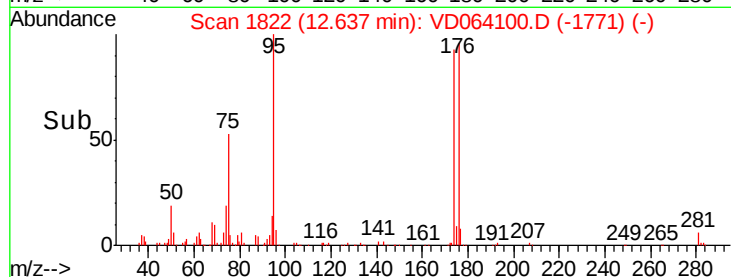
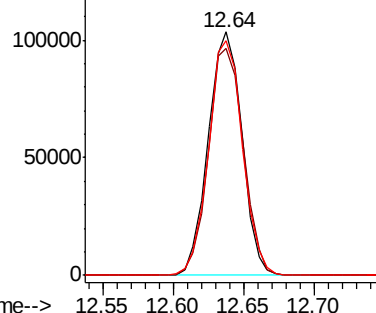
#62
4-Bromofluorobenzene
Concen: 51.895 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 172757
Ion Ratio Lower Upper
95 100
174 96.7 0.0 201.6
176 97.3 0.0 192.6

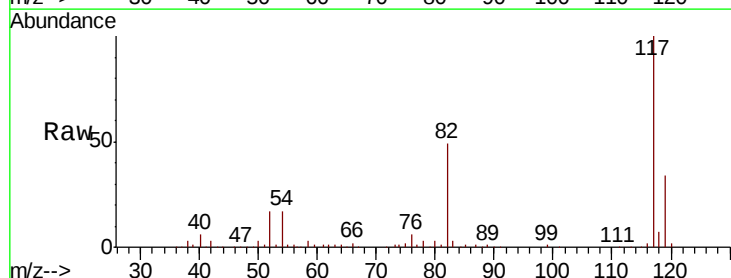


Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC

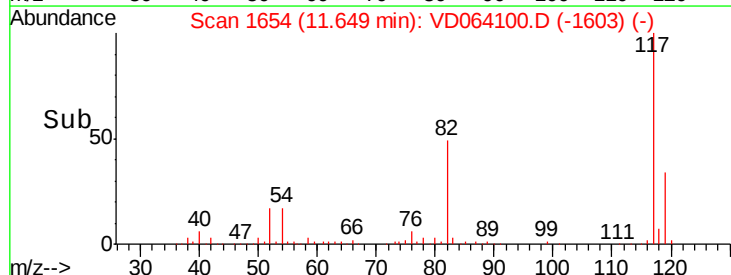
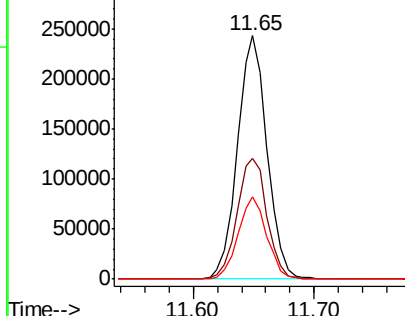


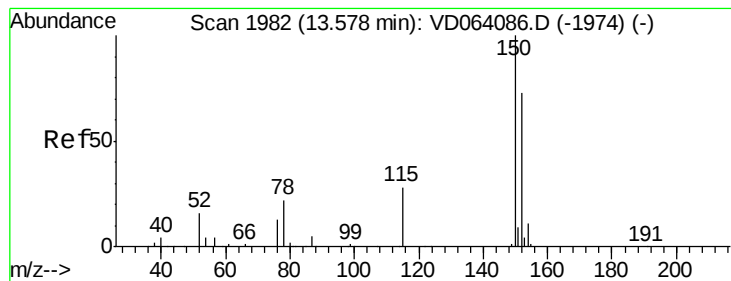
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064100.D
Acq: 29 Oct 2019 20:35

Tgt Ion: 117 Resp: 414123
Ion Ratio Lower Upper
117 100
82 49.5 40.2 60.4
119 33.6 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VDC
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064100.D

Acq: 29 Oct 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

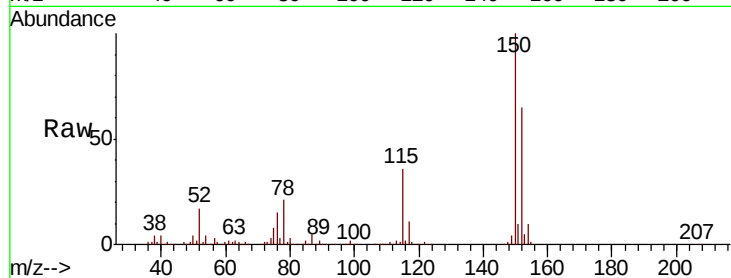
Tot Ion:152 Resp: 215911

Ion Ratio Lower Upper

152 100

115 55.6 26.2 78.6

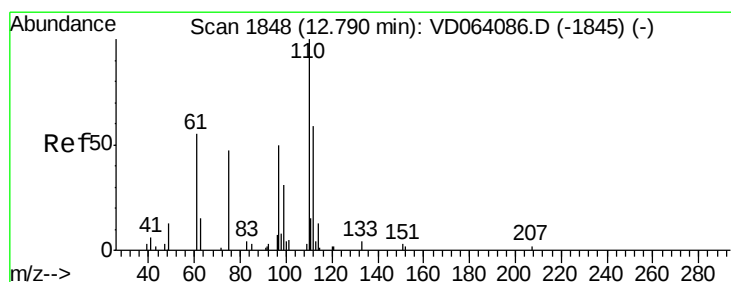
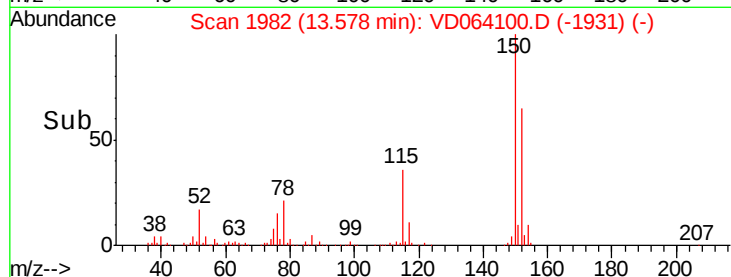
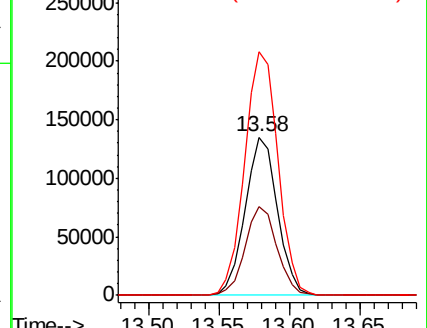
150 159.1 0.0 338.8



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: 61.332 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064100.D

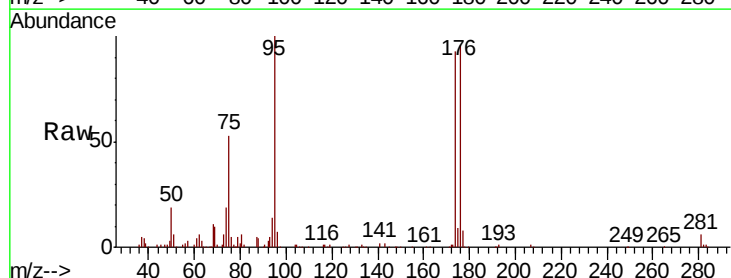
Acq: 29 Oct 2019 20:35

Tgt Ion: 75 Resp: 88981

Ion Ratio Lower Upper

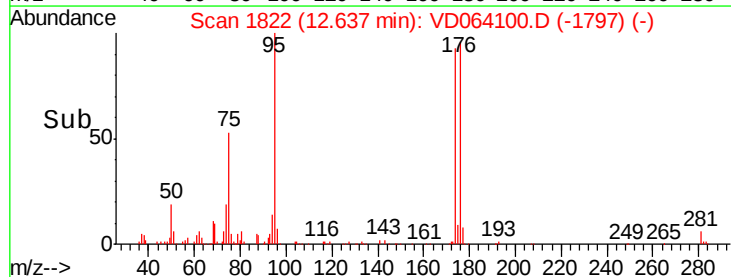
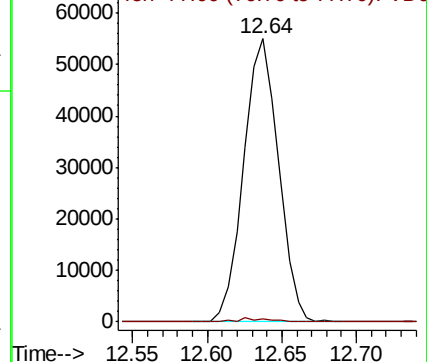
75 100

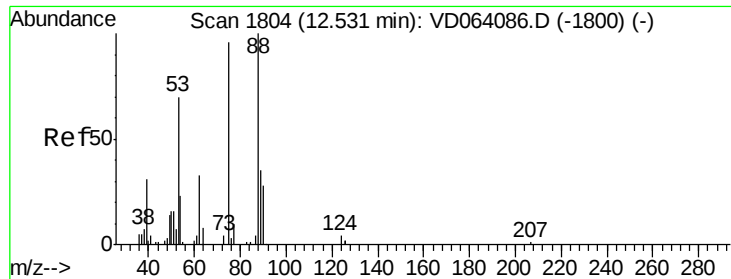
77 1.1 0.0 0.0#



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: 125.257 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064100.D

Acq: 29 Oct 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

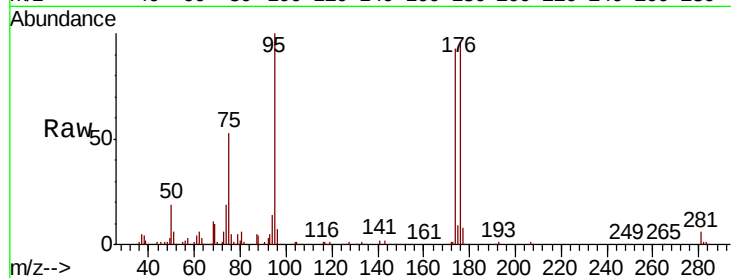
Tot Ion: 75 Resp: 88981

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.1 36.9 55.3#



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

