

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064920.D
 Acq On : 22 Jan 2020 16:38
 Operator : VA/SY
 Sample : L1214-03
 Misc : 5.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 23:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

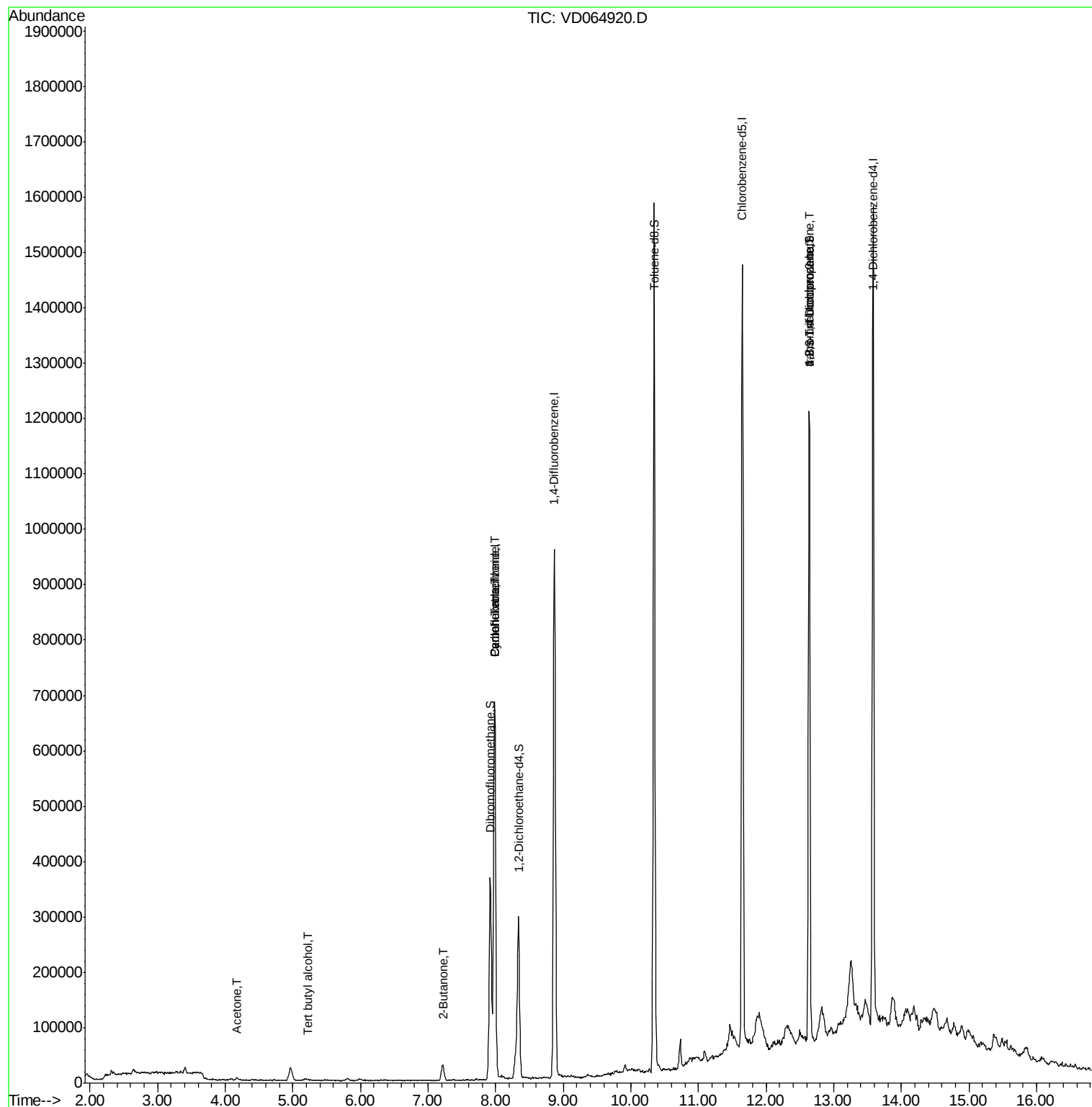
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	528860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	830269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	787974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	388462	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	235103	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
35) Dibromofluoromethane	7.92	113	246967	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
50) Toluene-d8	10.34	98	1025182	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.64	95	346565	56.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	938	3.510	ug/l #	70
16) Acetone	4.17	43	7615	11.019	ug/l	93
20) Methylene Chloride	4.96	84	16695	Below Cal	#	92
25) 2-Butanone	7.23	43	3186	2.485	ug/l #	79
31) Cyclohexane	7.98	56	12729	1.464	ug/l #	40
38) Carbon Tetrachloride	7.98	117	49693	5.832	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	184422	60.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	184422	125.740	ug/l #	10

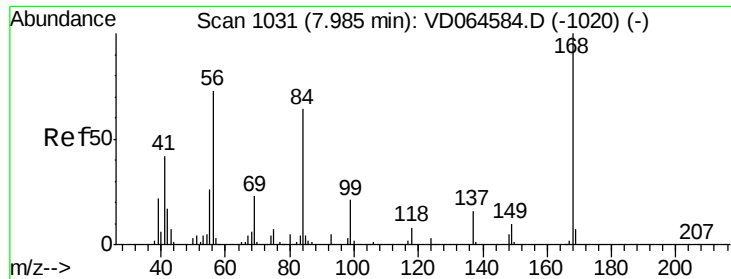
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064920.D

Acq: 22 Jan 2020 16:38

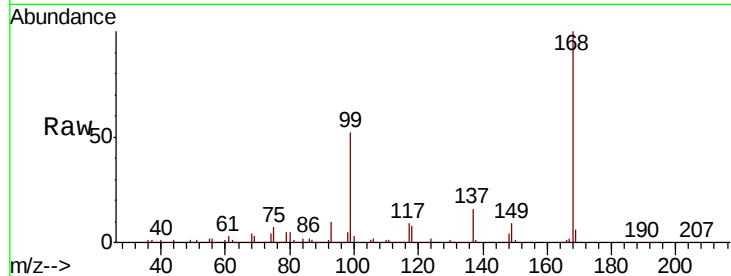
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 528860

Ion Ratio Lower Upper

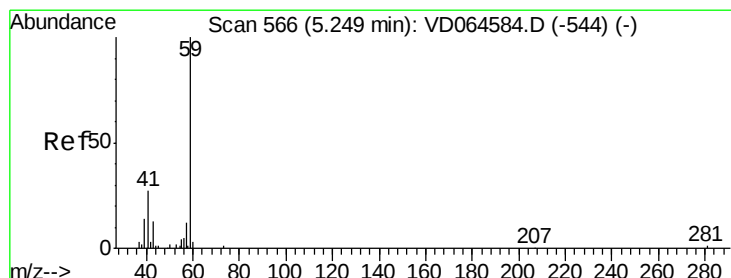
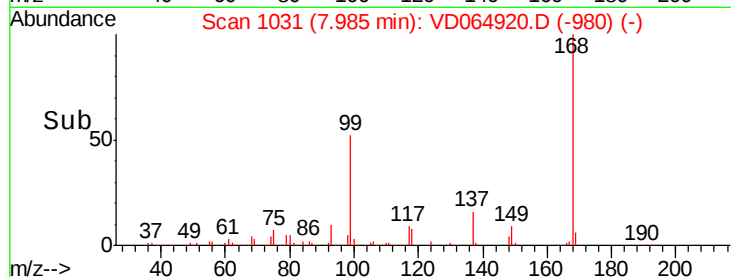
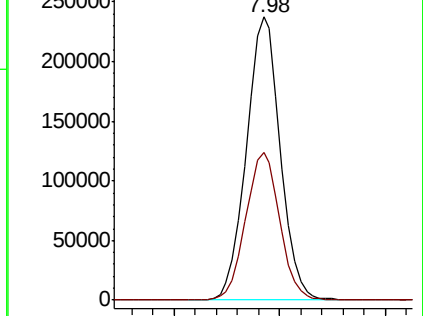
168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 3.510 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.02 min

Lab File: VD064920.D

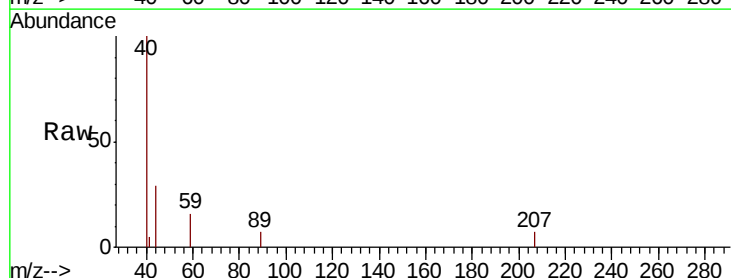
Acq: 22 Jan 2020 16:38

Tgt Ion: 59 Resp: 938

Ion Ratio Lower Upper

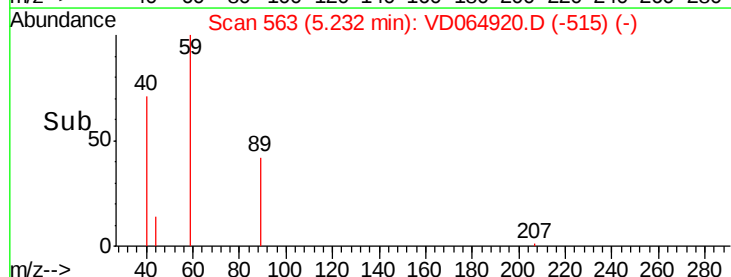
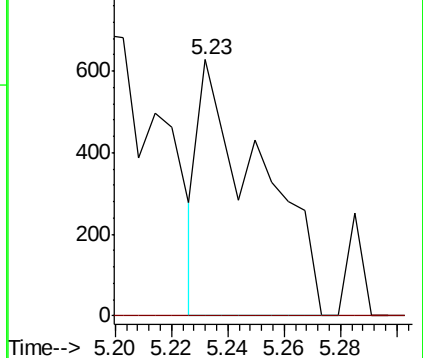
59 100

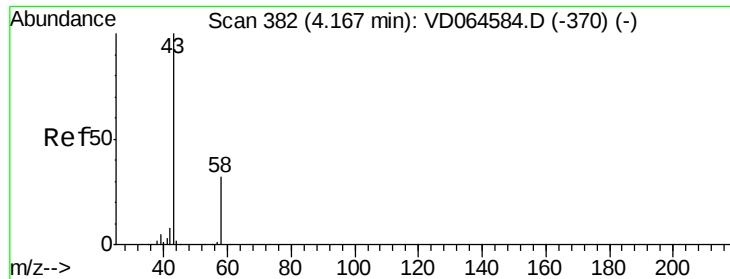
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 11.019 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

Instrument :

MSVOA_D

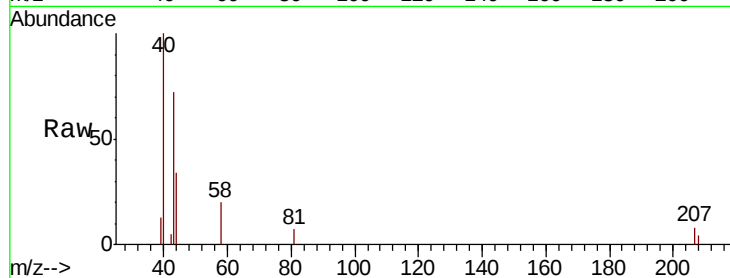
ClientSampleId :

Tot Ion: 43 Resp: 7615

Ion Ratio Lower Upper

43 100

58 28.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

3000

2500

2000

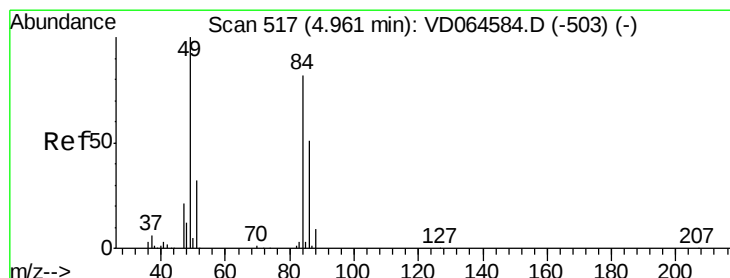
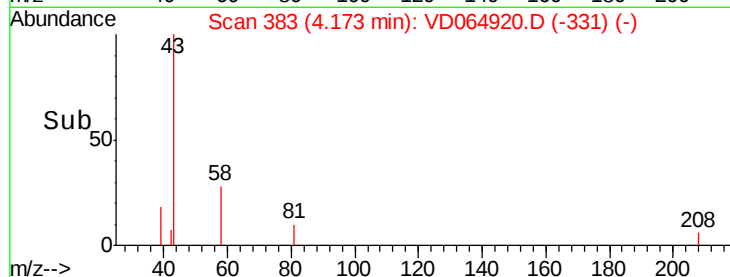
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

Tgt Ion: 84 Resp: 16695

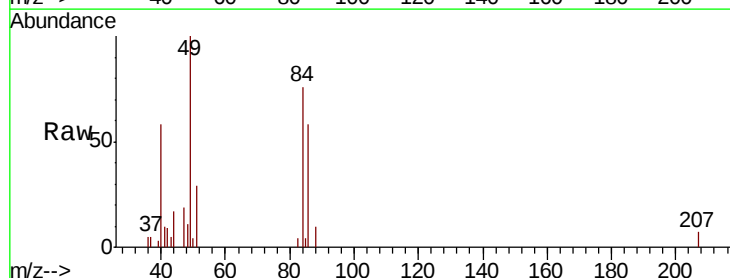
Ion Ratio Lower Upper

84 100

49 127.5 97.2 145.8

51 37.8 31.4 47.0

86 75.6 49.3 73.9#



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

10000

8000

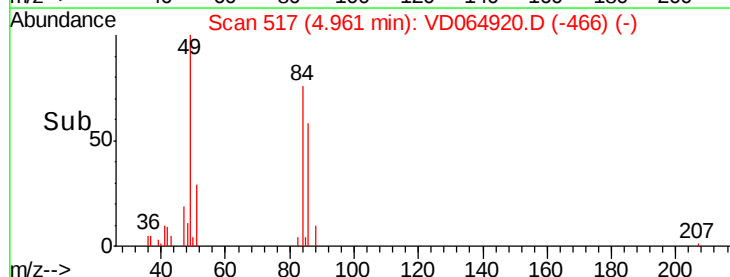
6000

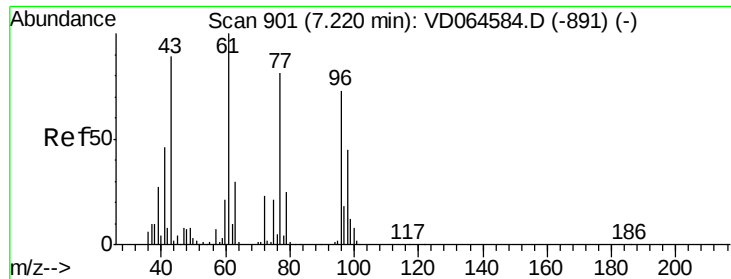
4000

2000

0

Time-->





#25

2-Butanone

Concen: 2.485 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

Instrument :

MSVOA_D

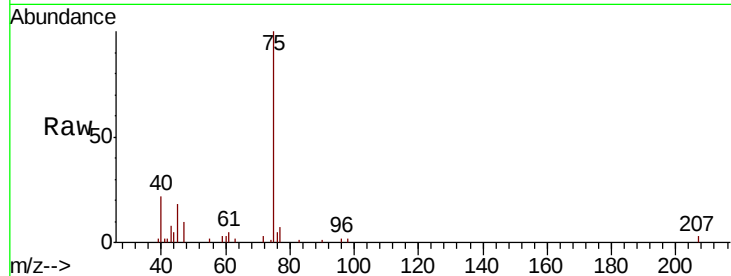
ClientSampleId :

Tot Ion: 43 Resp: 3186

Ion Ratio Lower Upper

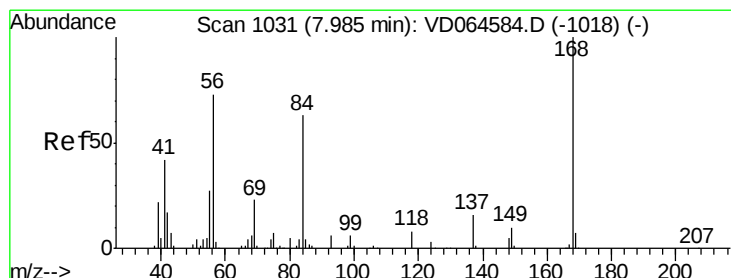
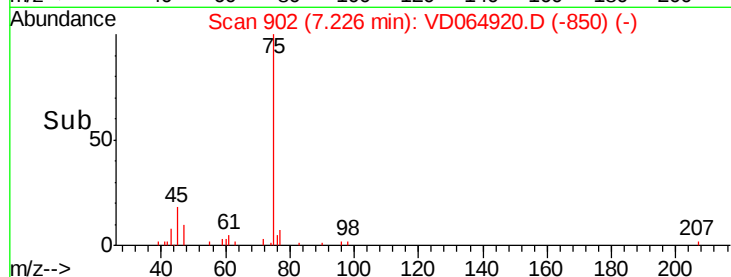
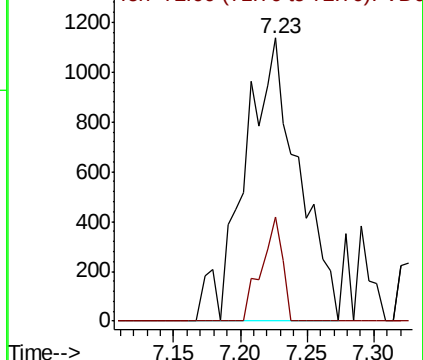
43 100

72 36.6 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.464 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

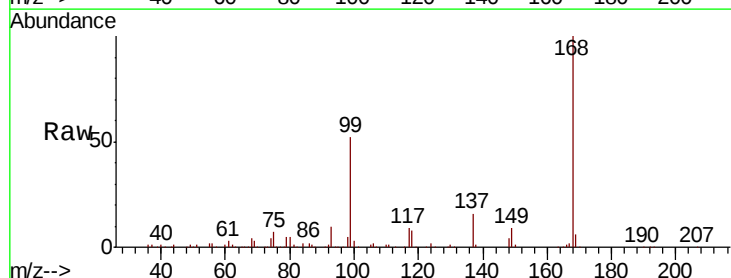
Tgt Ion: 56 Resp: 12729

Ion Ratio Lower Upper

56 100

69 136.2 24.7 37.1#

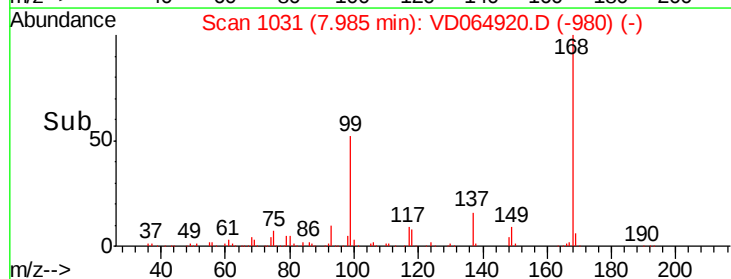
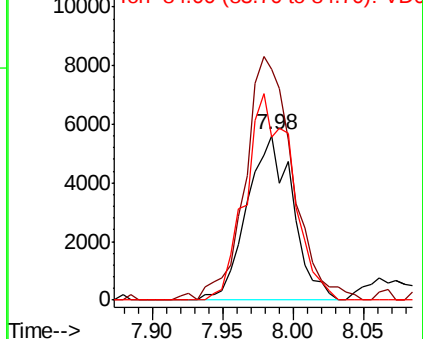
84 99.2 69.4 104.2

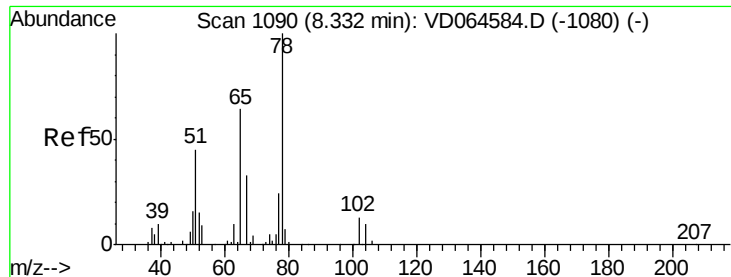


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.414 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

Instrument :

MSVOA_D

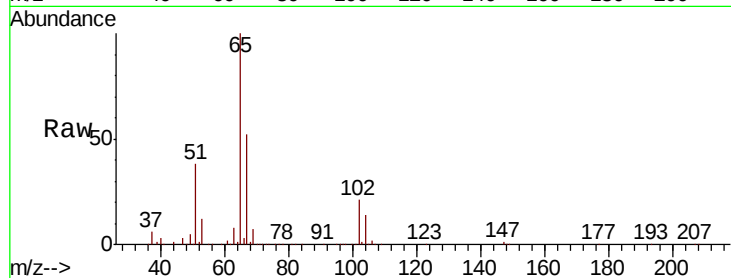
ClientSampleId :

Tot Ion: 65 Resp: 235103

Ion Ratio Lower Upper

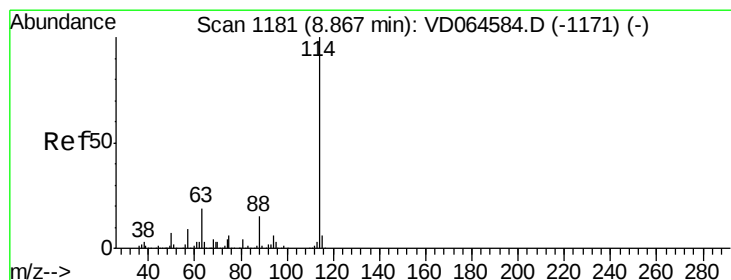
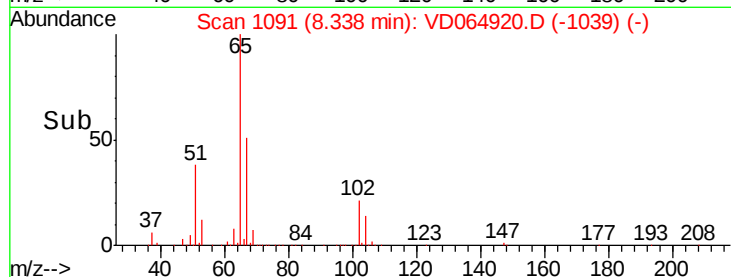
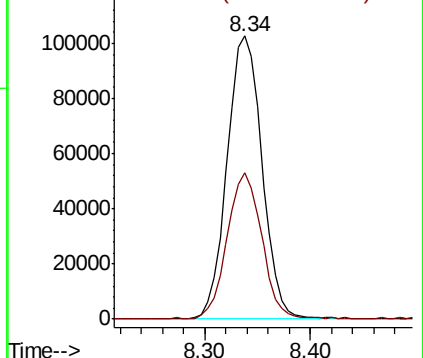
65 100

67 50.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

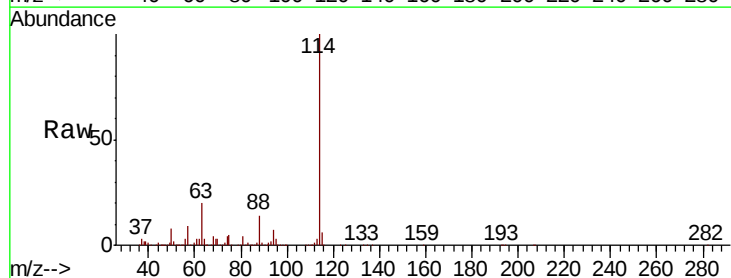
Tgt Ion: 114 Resp: 830269

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

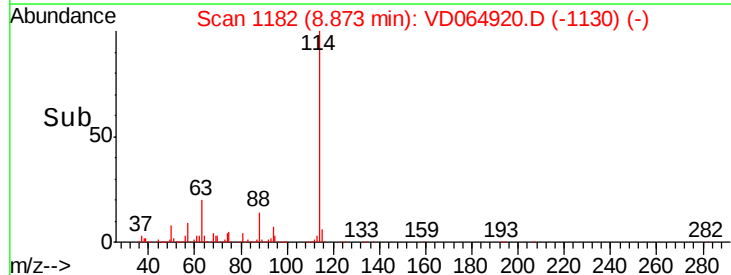
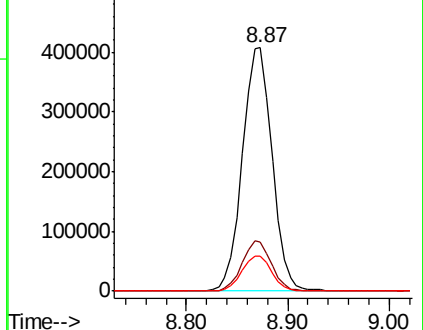
88 14.1 0.0 29.2

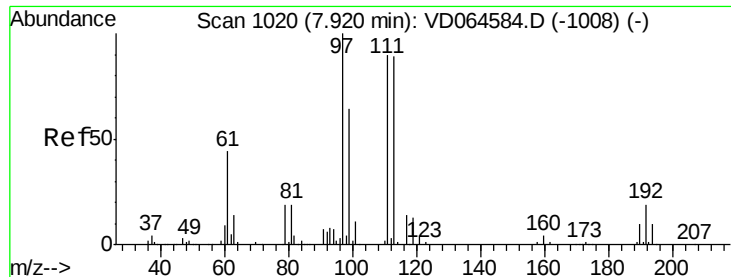


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

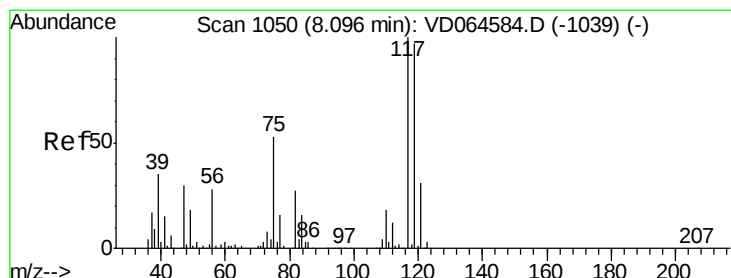
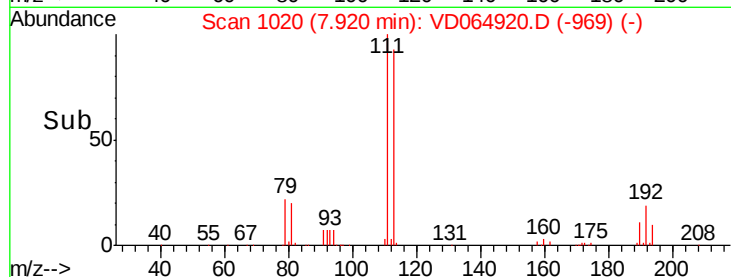
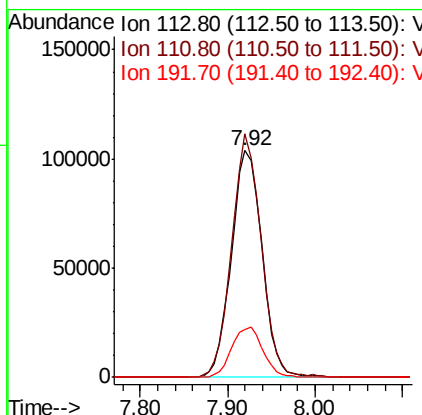
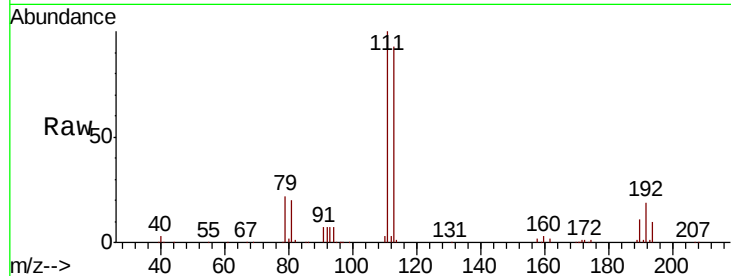




#35
 Dibromofluoromethane
 Concen: 48.483 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064920.D
 Acq: 22 Jan 2020 16:38

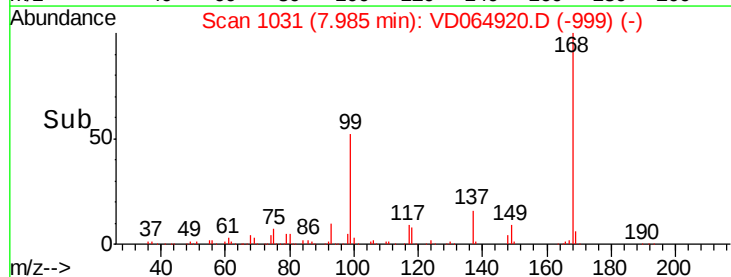
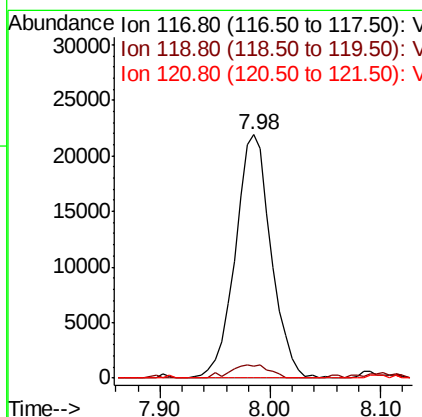
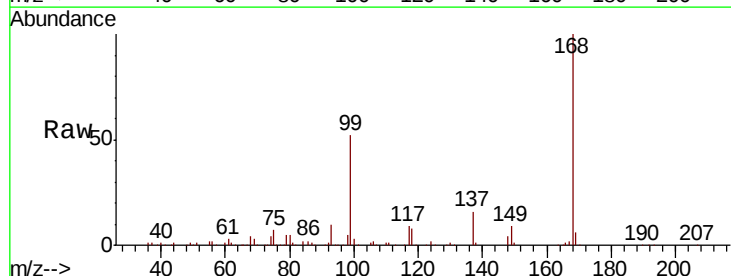
Instrument :
 MSVOA_D
 ClientSampled :

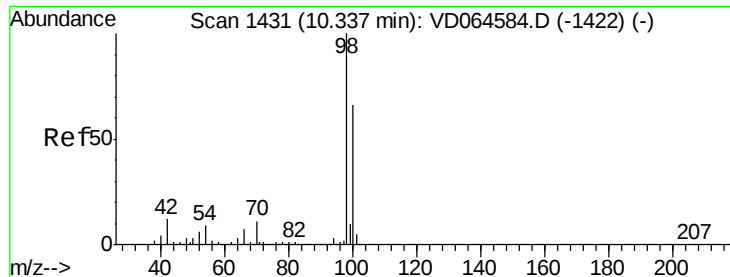
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	22.4	17.9	26.9



#38
 Carbon Tetrachloride
 Concen: 5.832 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064920.D
 Acq: 22 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.3	115.9#
121	0.0	25.0	37.6#

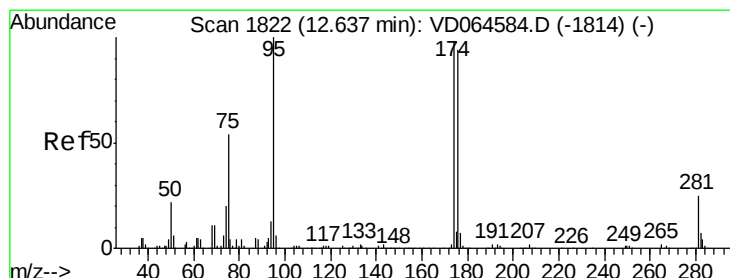
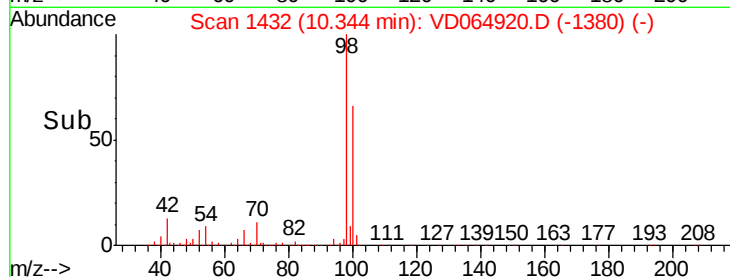
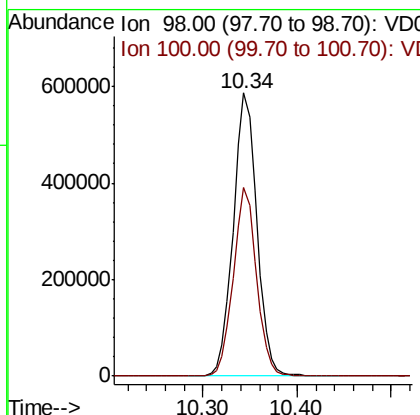
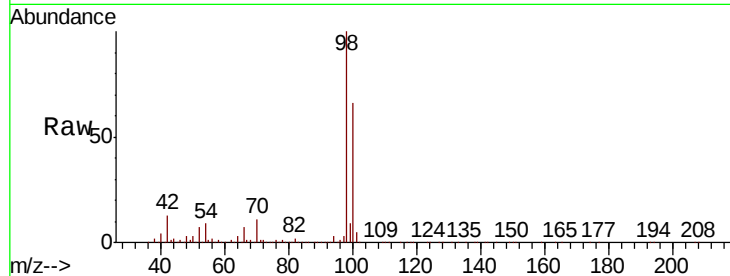




#50
Toluene-d8
Concen: 52.550 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064920.D
Acq: 22 Jan 2020 16:38

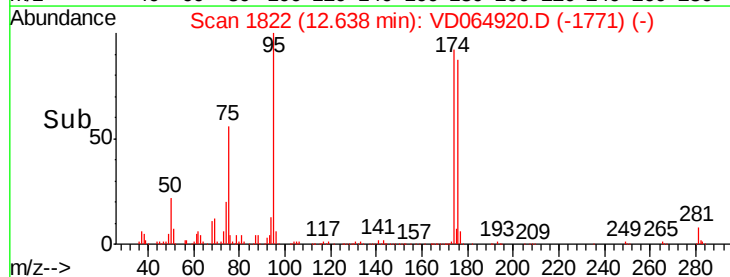
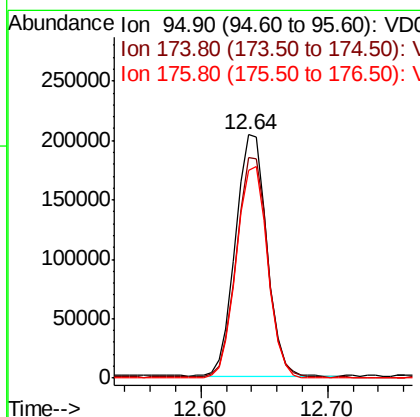
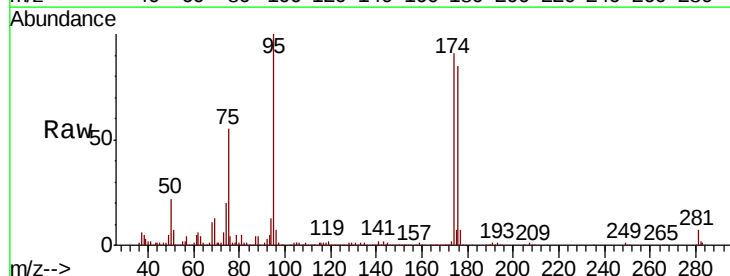
Instrument :
MSVOA_D
ClientSampleId :

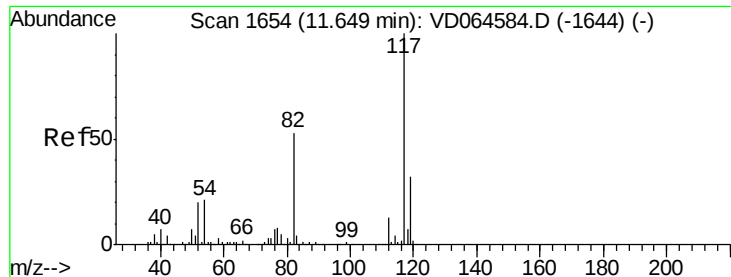
Tot Ion: 98 Resp: 1025182
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 56.179 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064920.D
Acq: 22 Jan 2020 16:38

Tgt Ion: 95 Resp: 346565
Ion Ratio Lower Upper
95 100
174 92.4 0.0 193.2
176 88.1 0.0 184.2

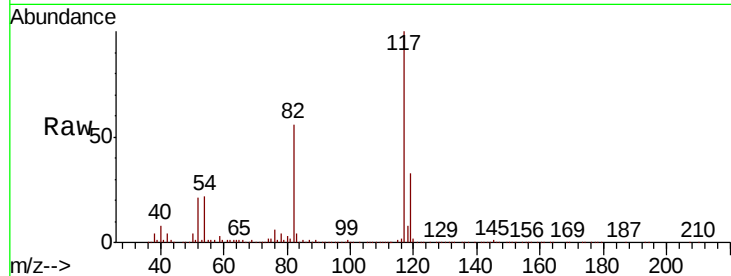




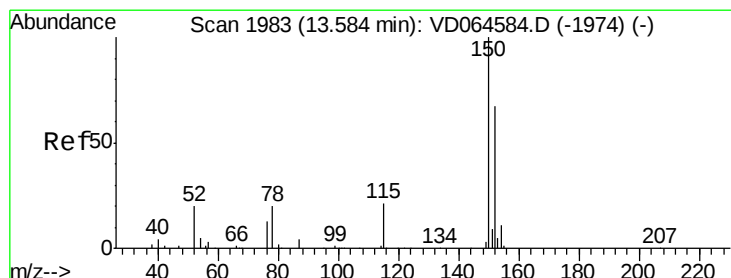
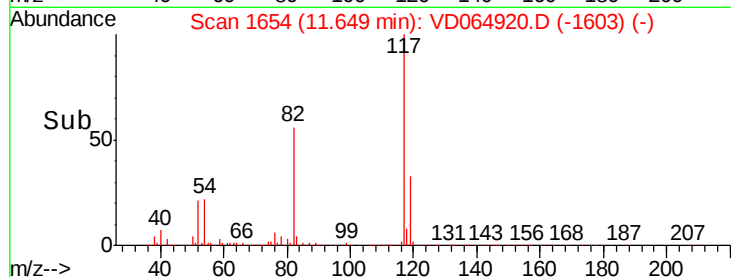
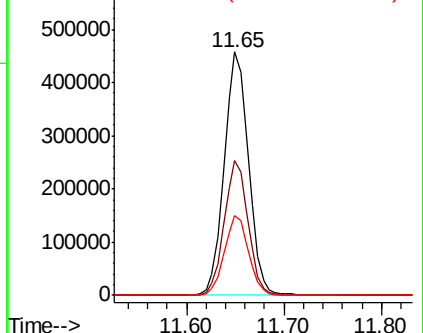
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064920.D
Acq: 22 Jan 2020 16:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 787974
Ion Ratio Lower Upper
117 100
82 55.6 42.2 63.4
119 32.7 26.0 39.0

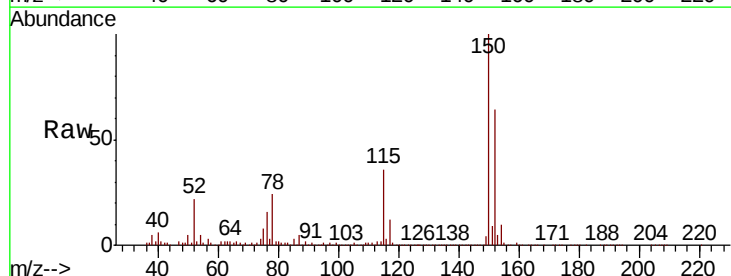


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

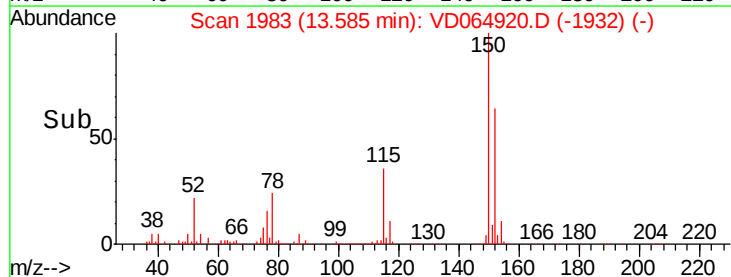
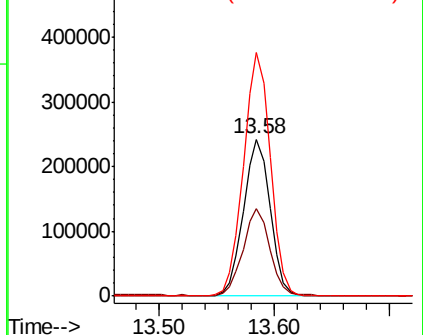


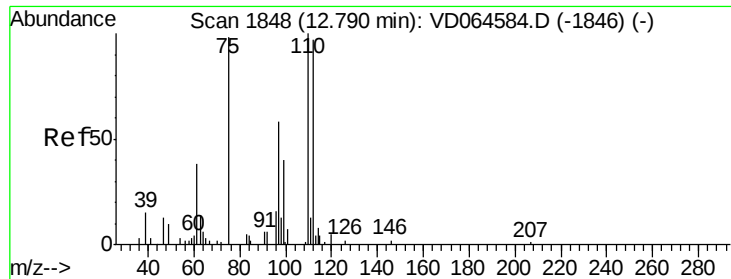
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064920.D
Acq: 22 Jan 2020 16:38

Tgt Ion:152 Resp: 388462
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 156.6 0.0 351.4



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: 60.121 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

Instrument :

MSVOA_D

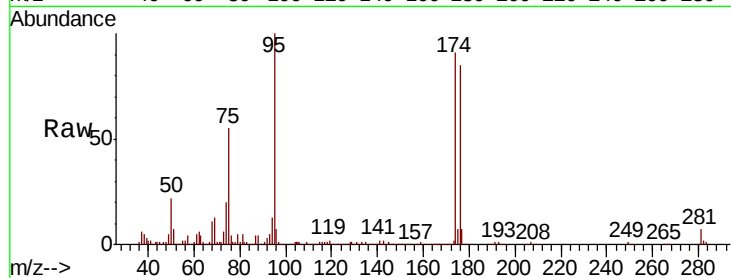
ClientSampleId :

Tot Ion: 75 Resp: 184422

Ion Ratio Lower Upper

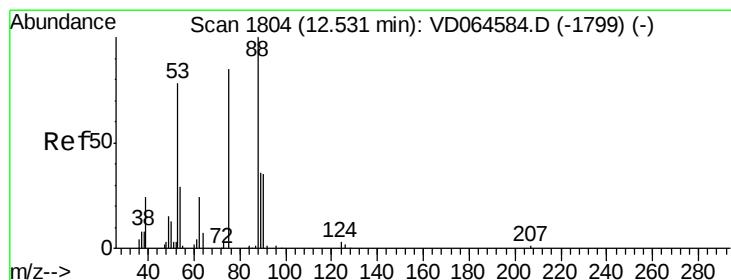
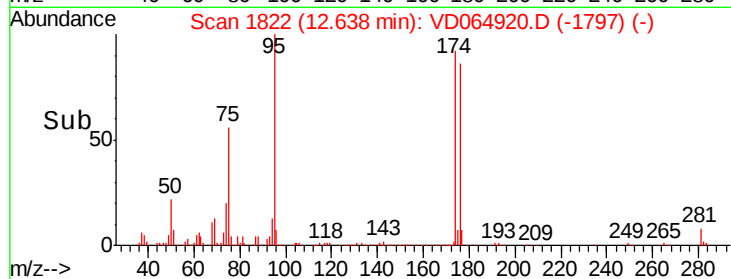
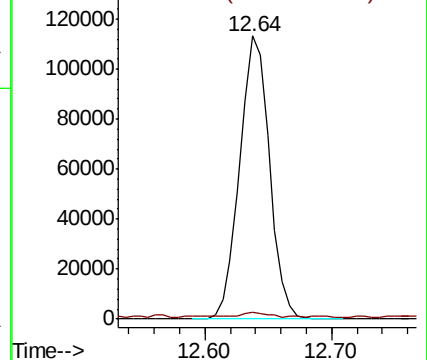
75 100

77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 125.740 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064920.D

Acq: 22 Jan 2020 16:38

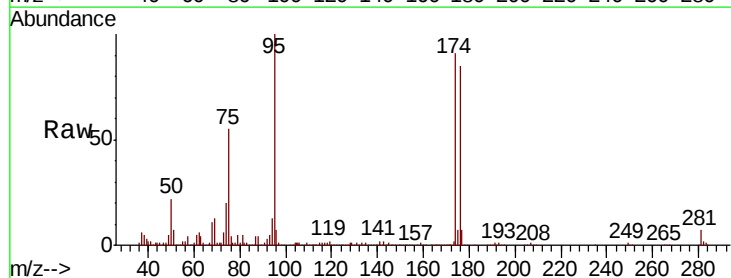
Tgt Ion: 75 Resp: 184422

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.4 38.3 57.5#



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

