

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064672.D
 Acq On : 30 Dec 2019 12:11
 Operator : VA/SY
 Sample : VD1230SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 31 07:07:25 2019
 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

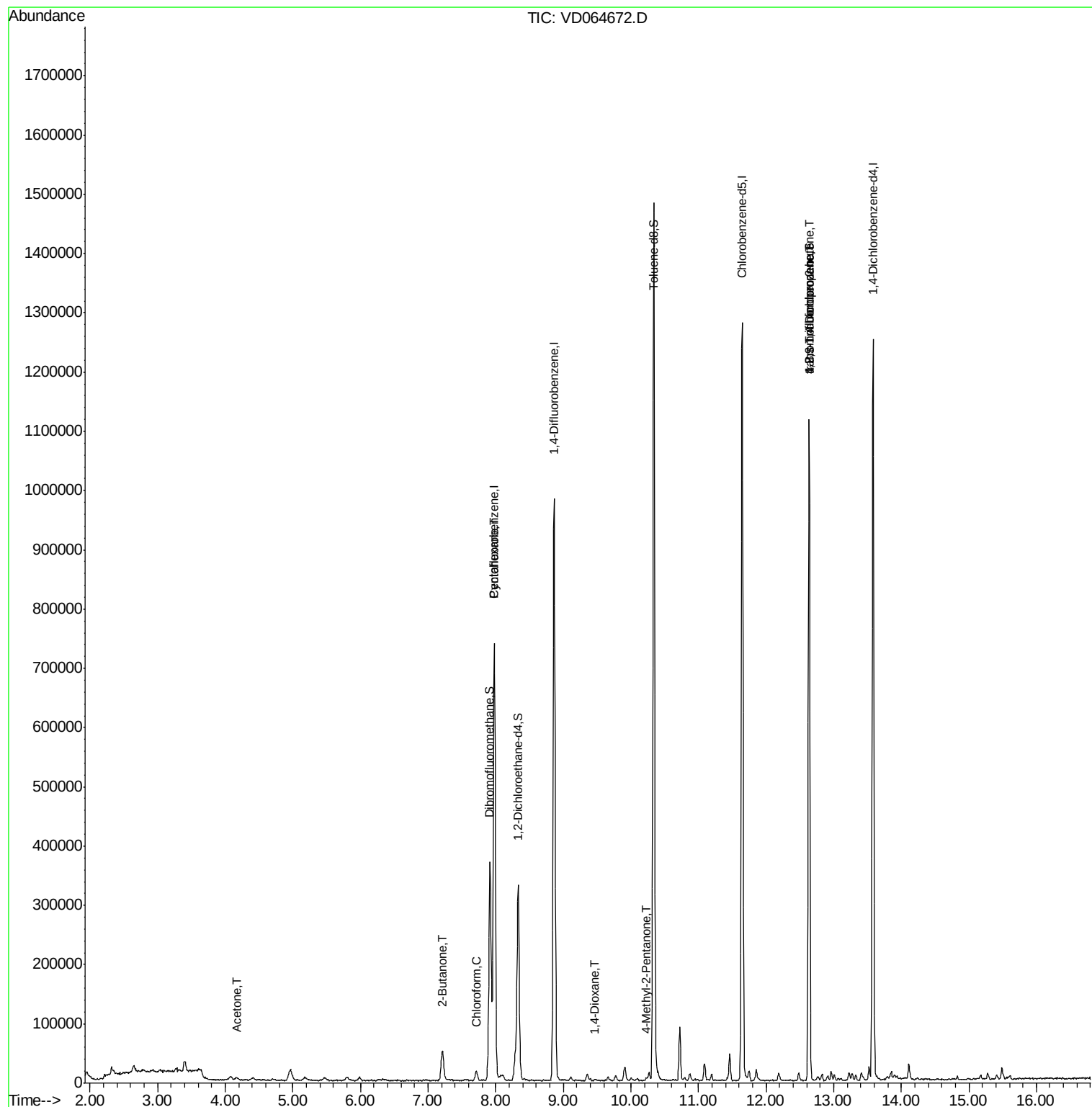
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	563411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	837110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	729649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	259141	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
35) Dibromofluoromethane	7.92	113	254653	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	
50) Toluene-d8	10.34	98	1000182	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.64	95	301890	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	8685	11.502	ug/l #	80
20) Methylene Chloride	4.96	84	13314	Below Cal	#	94
25) 2-Butanone	7.21	43	4849	3.551	ug/l	92
30) Chloroform	7.71	83	14843	1.529	ug/l	95
31) Cyclohexane	7.98	56	15293	1.651	ug/l #	21
49) 1,4-Dioxane	9.46	88	132	3.910	ug/l #	24
51) 4-Methyl-2-Pentanone	10.23	43	4004	1.286	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	162136	60.331	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162136	126.180	ug/l #	10

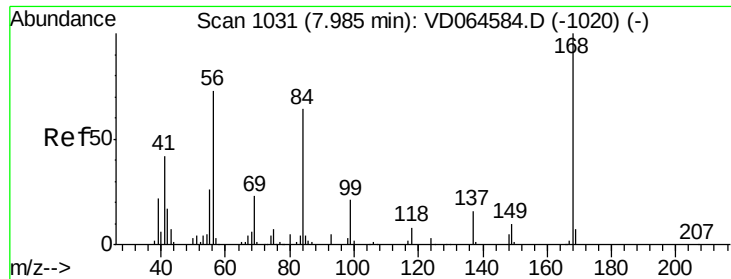
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064672.D

Acq: 30 Dec 2019 12:11

Instrument :

MSVOA_D

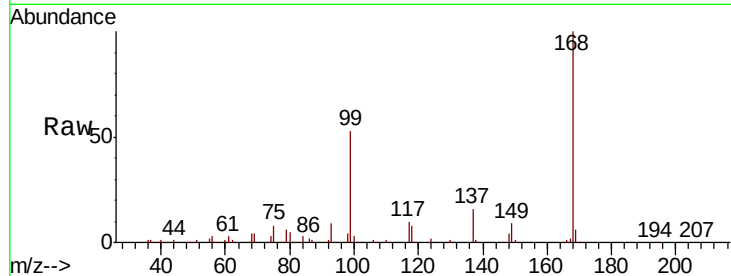
ClientSampleId :

Tot Ion:168 Resp: 563411

Ion Ratio Lower Upper

168 100

99 52.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

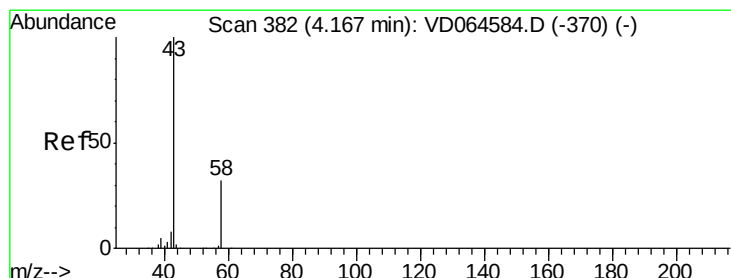
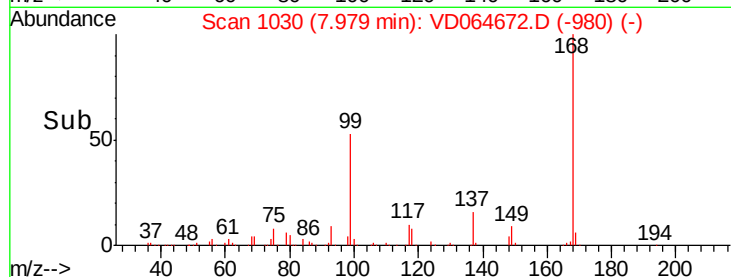
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.502 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064672.D

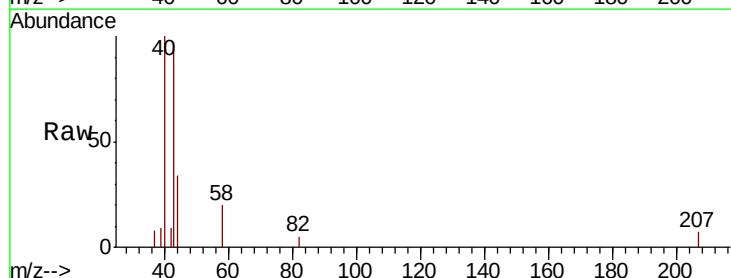
Acq: 30 Dec 2019 12:11

Tgt Ion: 43 Resp: 8685

Ion Ratio Lower Upper

43 100

58 20.9 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

4000

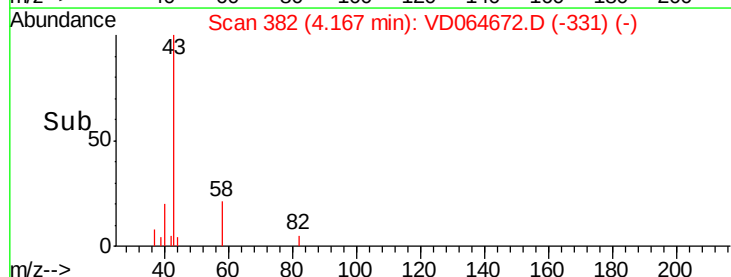
3000

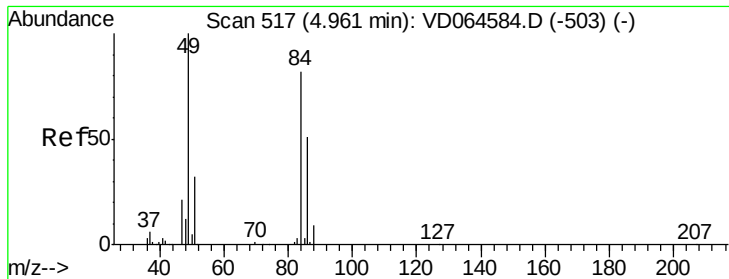
2000

1000

0

Time-->

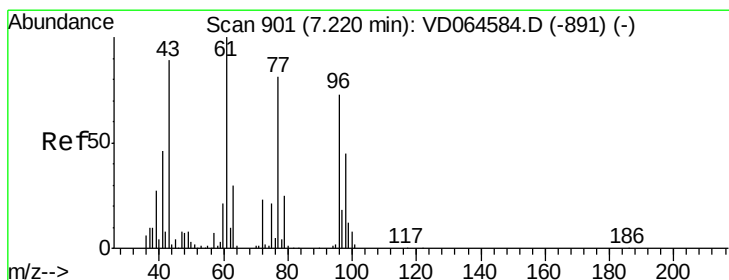
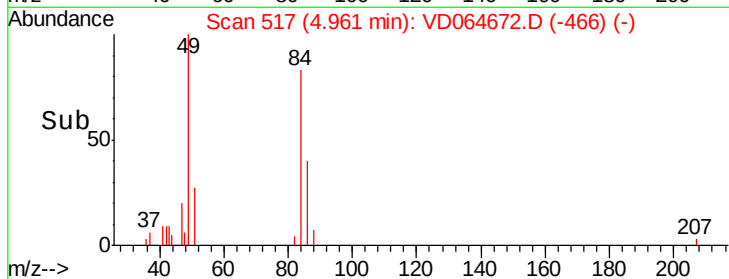
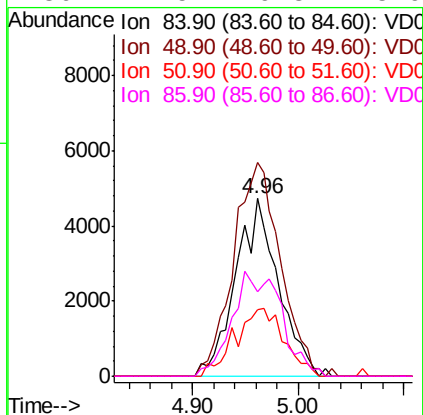
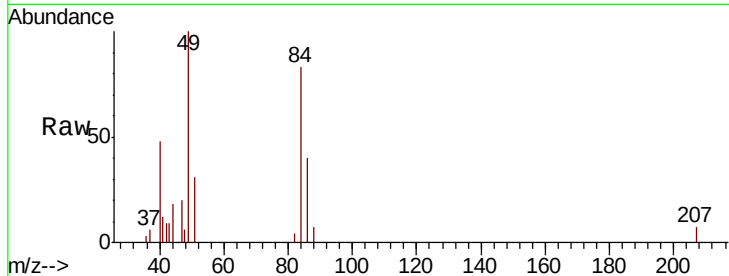




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

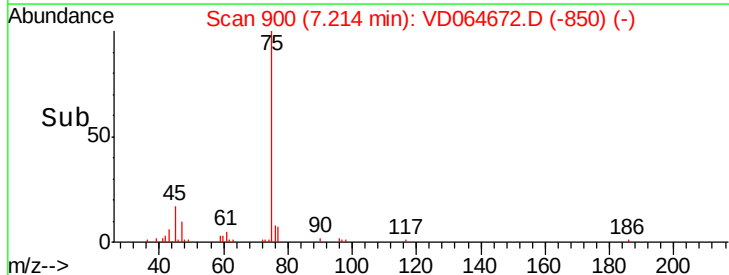
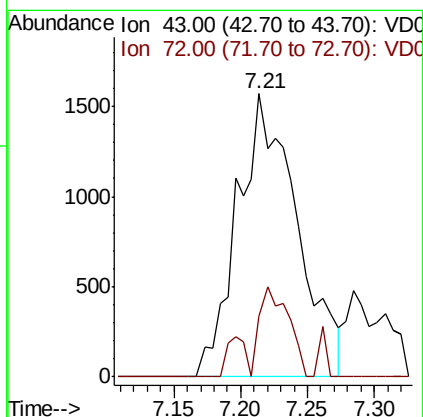
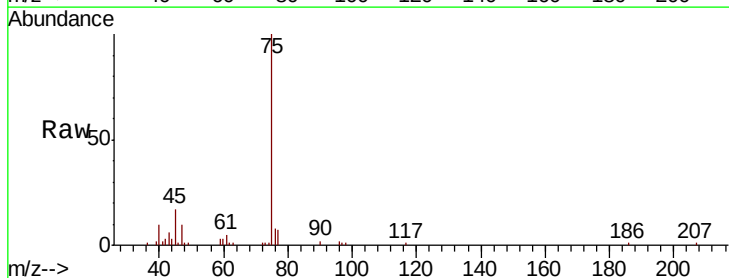
Instrument :
MSVOA_D
ClientSampleId :

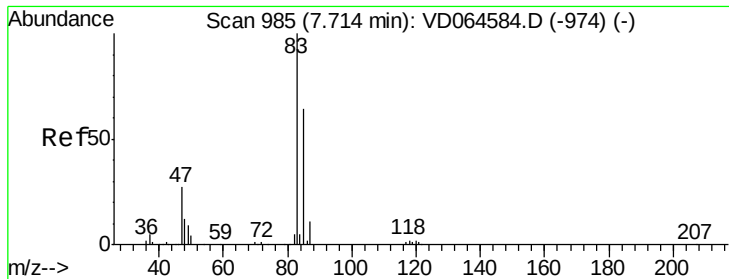
Tot Ion: 84 Resp: 13314
Ion Ratio Lower Upper
84 100
49 120.2 97.2 145.8
51 37.7 31.4 47.0
86 47.5 49.3 73.9#



#25
2-Butanone
Concen: 3.551 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

Tgt Ion: 43 Resp: 4849
Ion Ratio Lower Upper
43 100
72 21.7 20.7 31.1

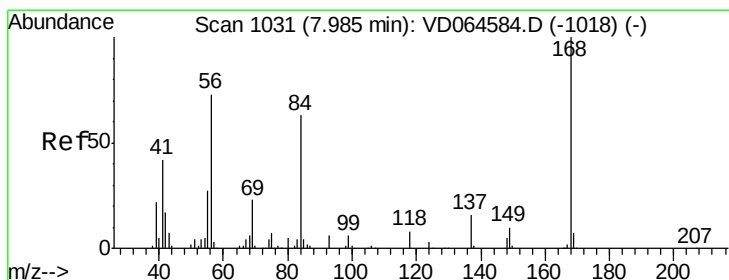
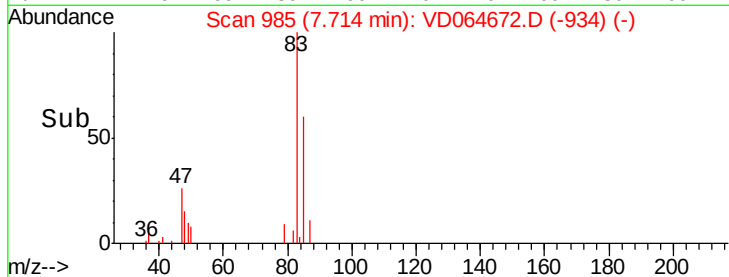
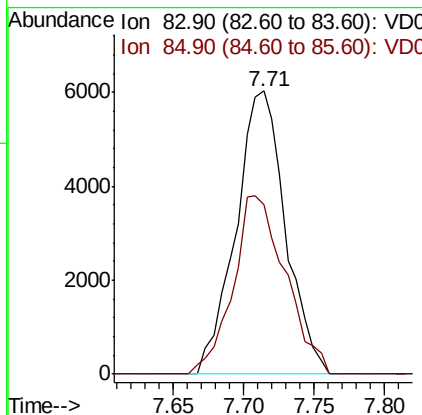
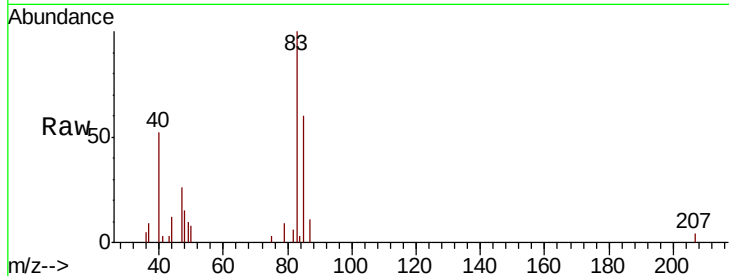




#30
Chloroform
Concen: 1.529 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

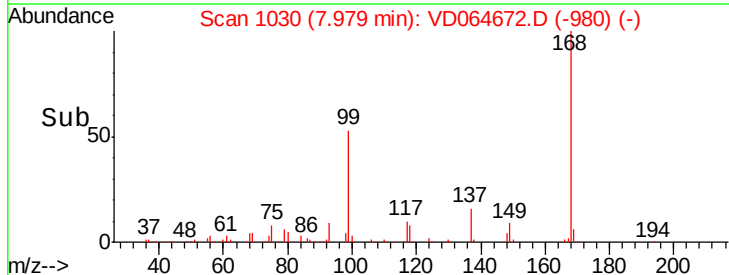
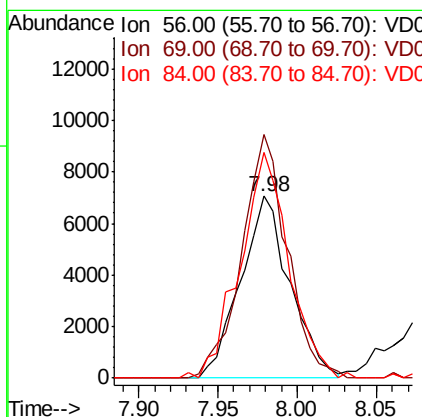
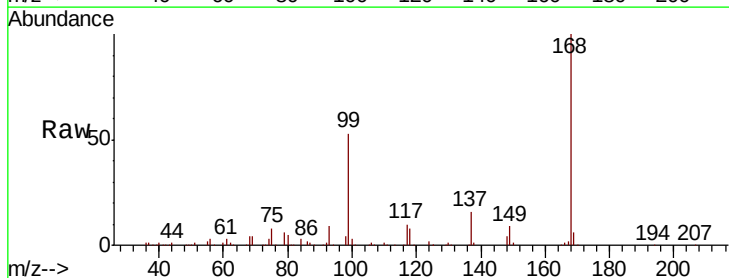
Instrument :
MSVOA_D
ClientSampleId :

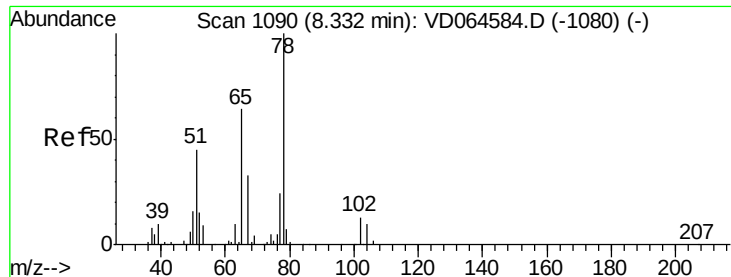
Tot Ion: 83 Resp: 14843
Ion Ratio Lower Upper
83 100
85 59.7 51.1 76.7



#31
Cyclohexane
Concen: 1.651 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

Tgt Ion: 56 Resp: 15293
Ion Ratio Lower Upper
56 100
69 133.8 24.7 37.1#
84 124.0 69.4 104.2#

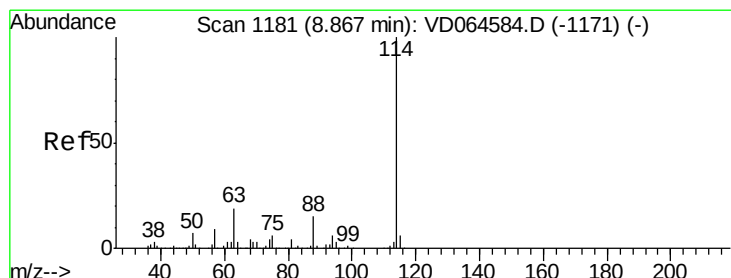
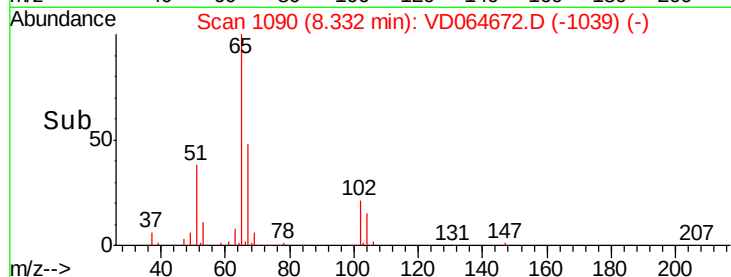
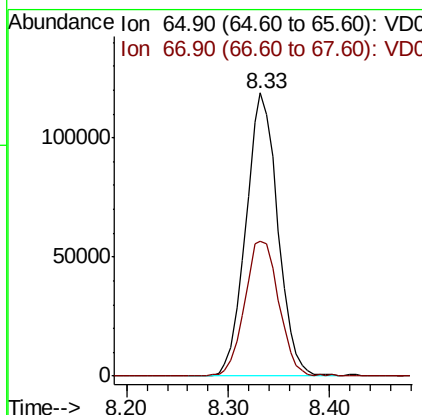
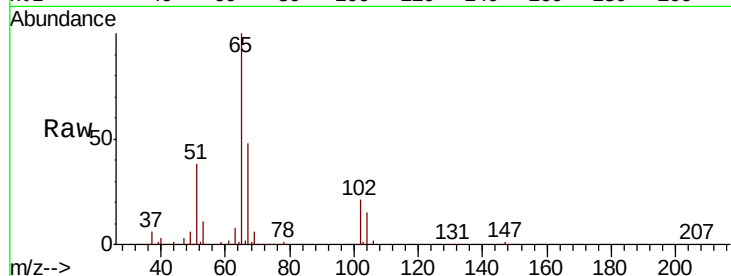




#33
 1,2-Dichloroethane-d4
 Concen: 52.161 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064672.D
 Acq: 30 Dec 2019 12:11

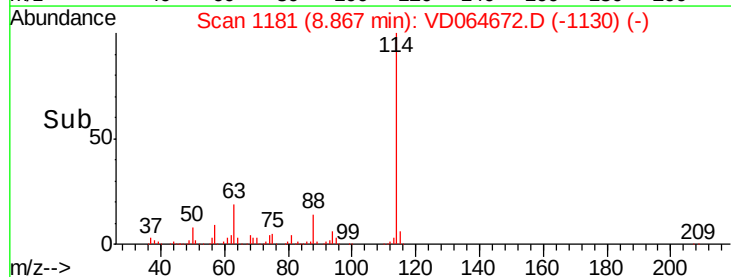
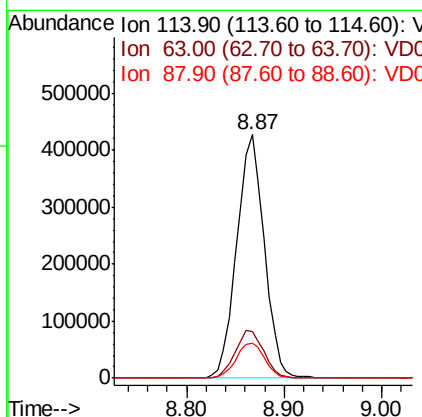
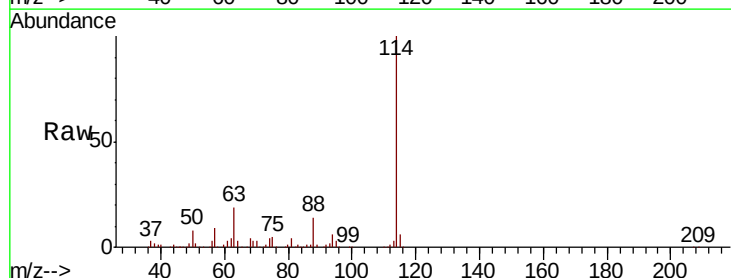
Instrument :
 MSVOA_D
 ClientSampleId :

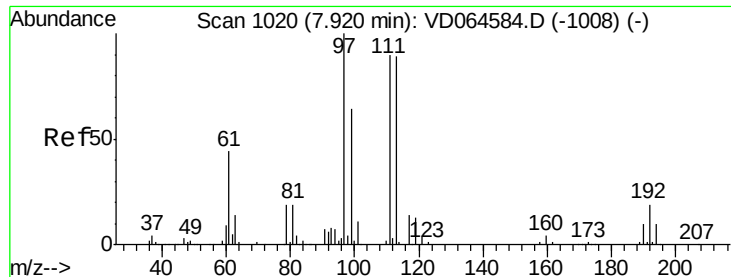
Tot Ion: 65 Resp: 259141
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064672.D
 Acq: 30 Dec 2019 12:11

Tgt Ion: 114 Resp: 837110
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 14.3 0.0 29.2

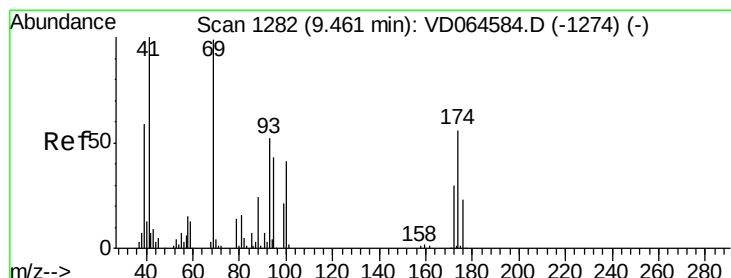
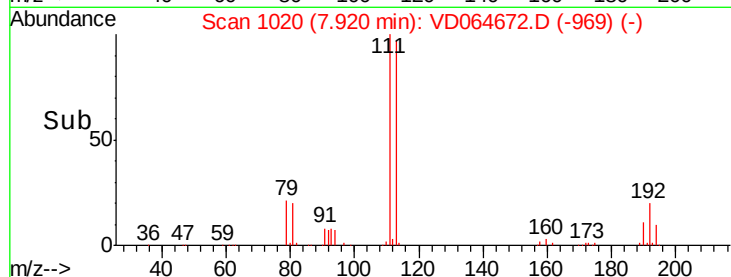
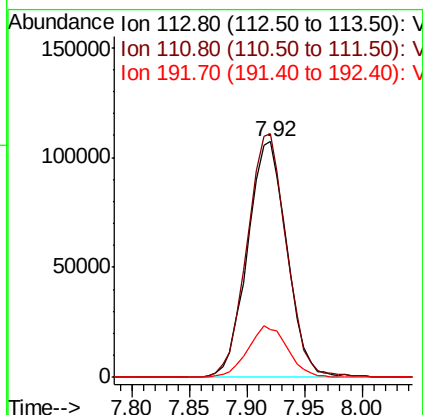
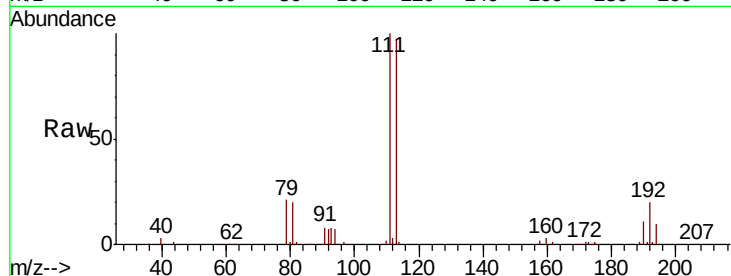




#35
 Dibromofluoromethane
 Concen: 49.584 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064672.D
 Acq: 30 Dec 2019 12:11

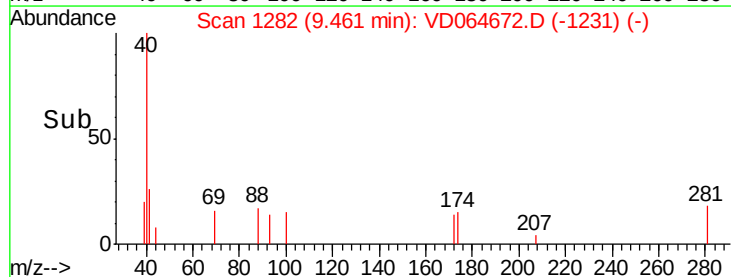
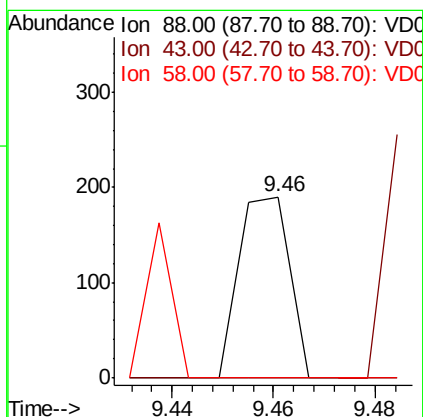
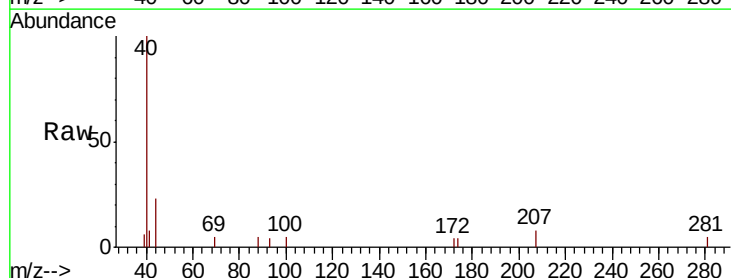
Instrument :
 MSVOA_D
 ClientSampleID :

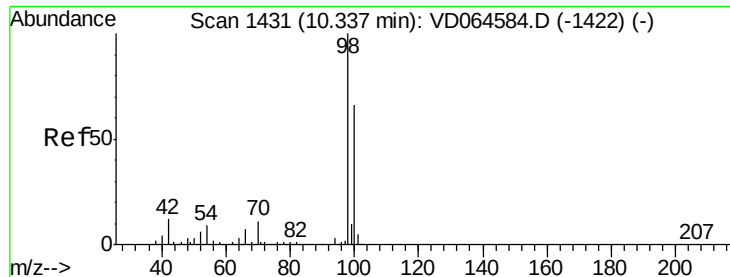
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.6	121.0
192	21.9	17.9	26.9



#49
 1,4-Dioxane
 Concen: 3.910 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD064672.D
 Acq: 30 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	0.0	53.8	80.6#

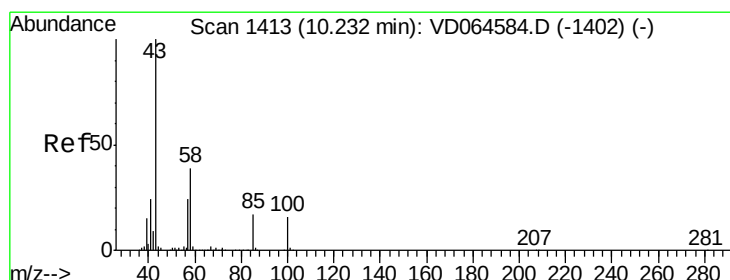
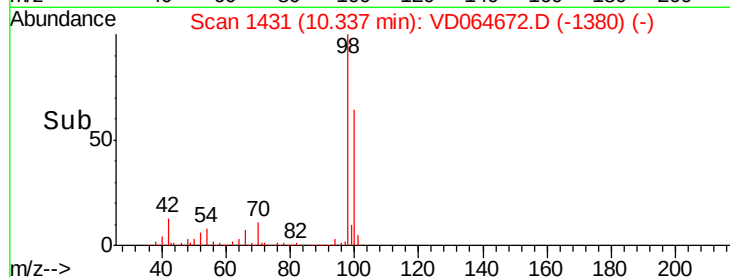
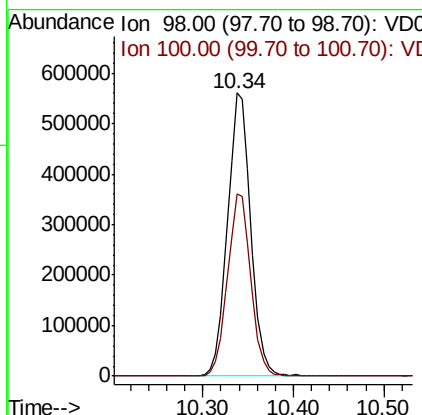
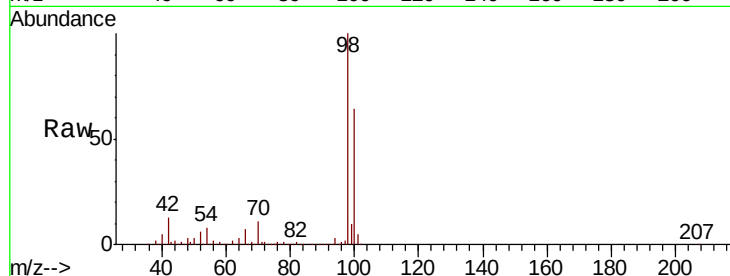




#50
Toluene-d8
Concen: 50.849 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

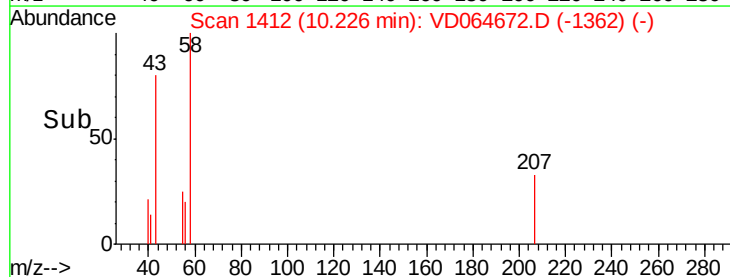
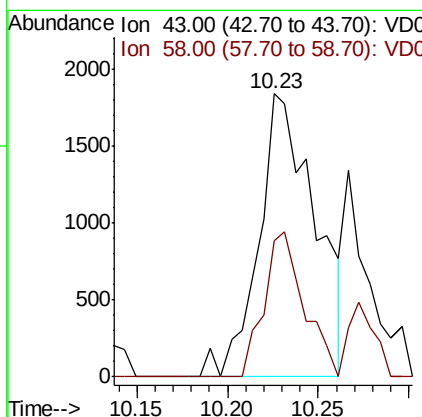
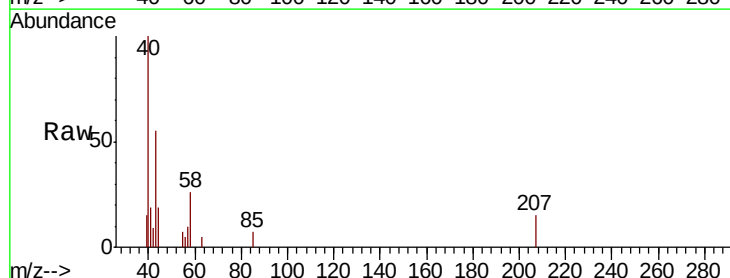
Instrument :
MSVOA_D
ClientSampleId :

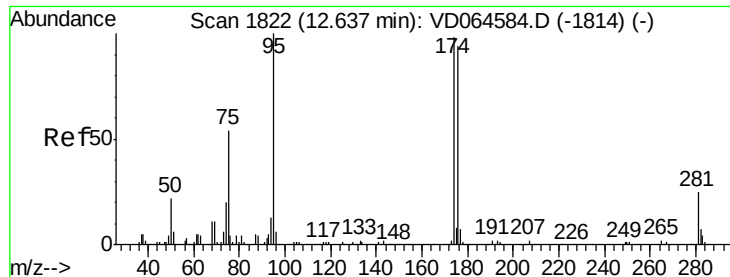
Tot Ion: 98 Resp: 1000182
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.286 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD064672.D
Acq: 30 Dec 2019 12:11

Tgt Ion: 43 Resp: 4004
Ion Ratio Lower Upper
43 100
58 36.1 30.2 45.2





#62

4-Bromofluorobenzene

Concen: 48.537 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064672.D

Acq: 30 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

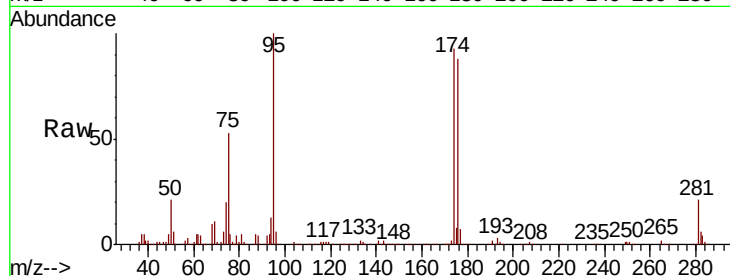
Tot Ion: 95 Resp: 301890

Ion Ratio Lower Upper

95 100

174 94.5 0.0 193.2

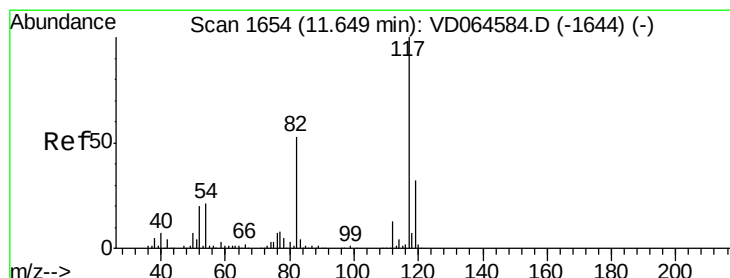
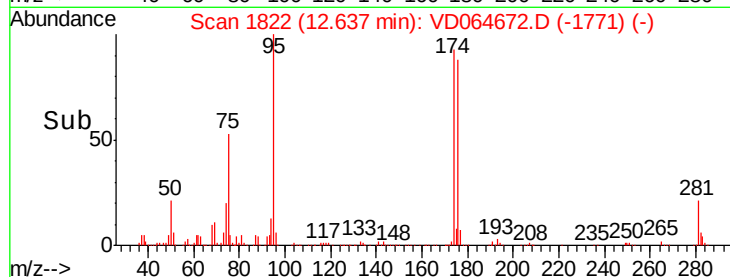
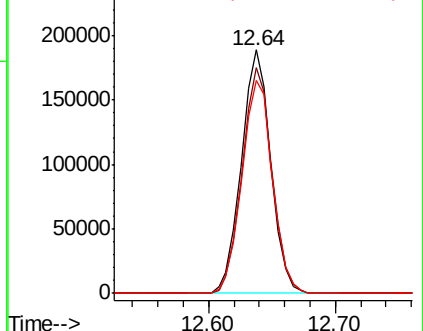
176 91.4 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064672.D

Acq: 30 Dec 2019 12:11

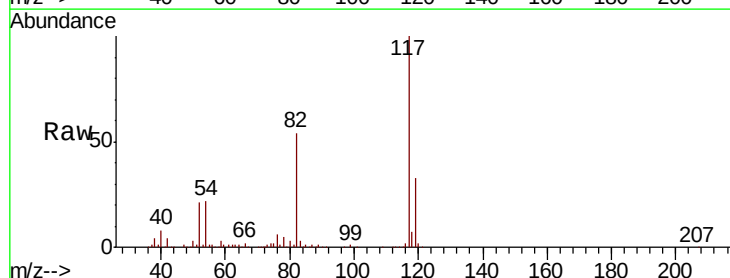
Tgt Ion: 117 Resp: 729649

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.4

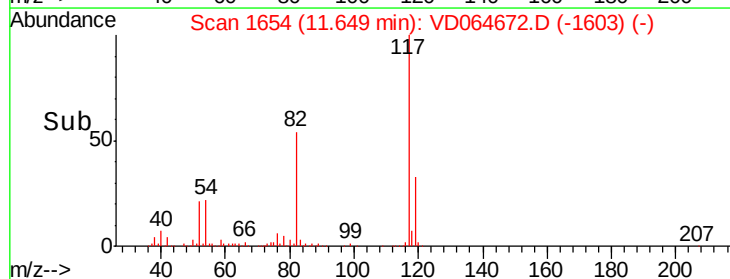
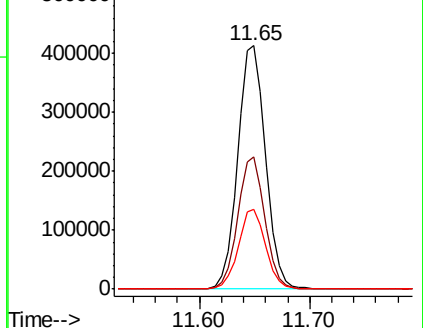
119 33.0 26.0 39.0

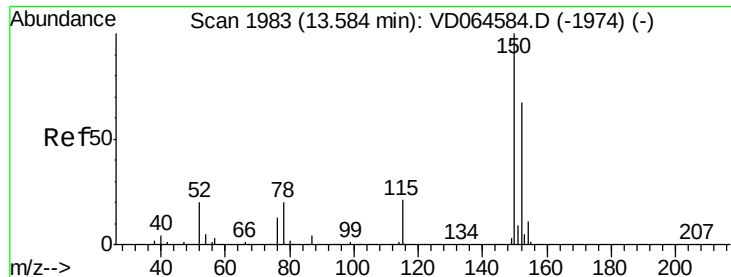


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064672.D

Acq: 30 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

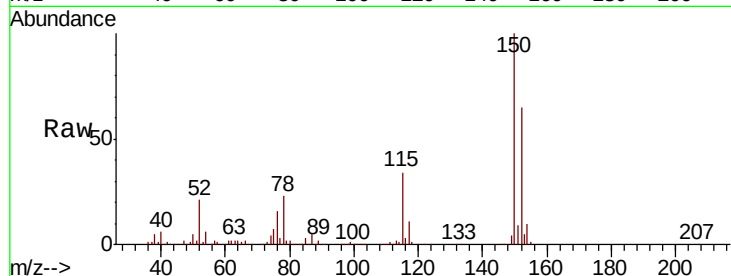
Tot Ion:152 Resp: 340330

Ion Ratio Lower Upper

152 100

115 53.6 27.8 83.4

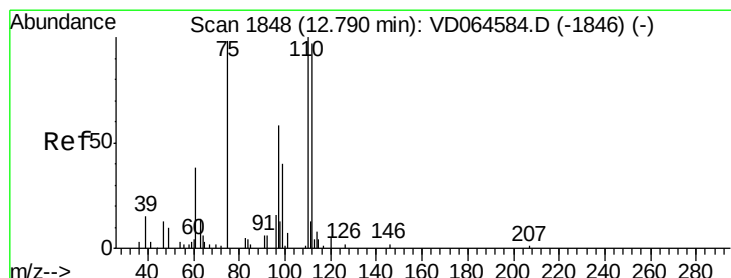
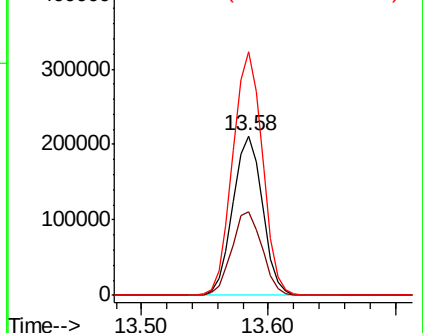
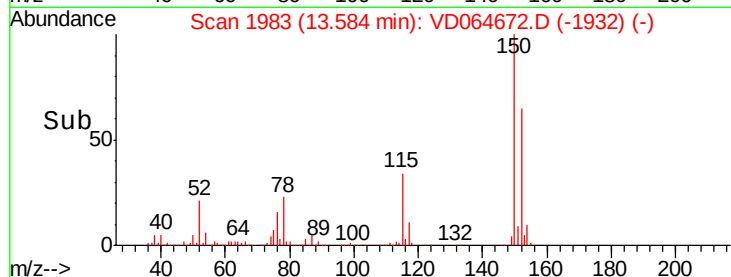
150 154.0 0.0 351.4



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: 60.331 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064672.D

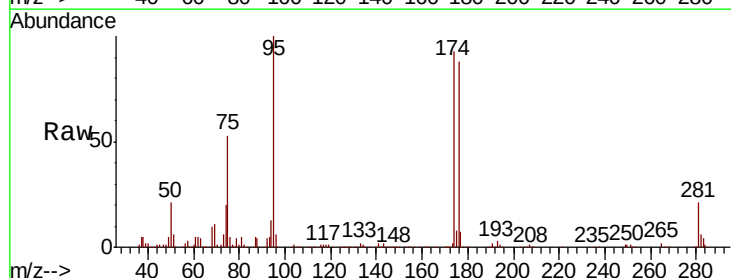
Acq: 30 Dec 2019 12:11

Tgt Ion: 75 Resp: 162136

Ion Ratio Lower Upper

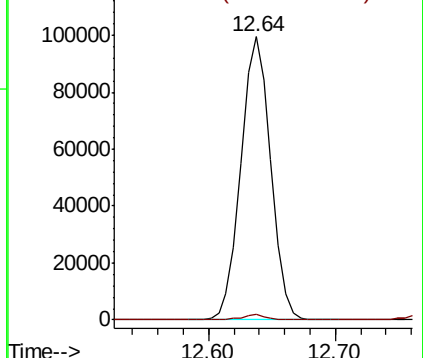
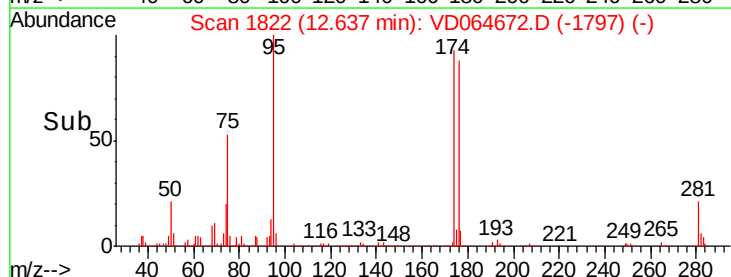
75 100

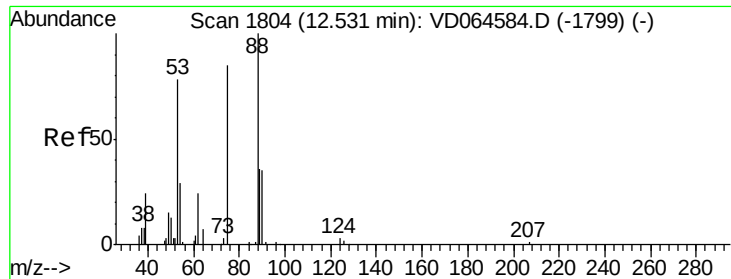
77 1.4 0.0 0.0#



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: 126.180 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064672.D
 Acq: 30 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 162136
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.8 118.2#
 89 0.3 38.3 57.5#

