

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064908.D
 Acq On : 21 Jan 2020 13:13
 Operator : VA/SY
 Sample : L1189-06RE
 Misc : 4.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:27:30 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

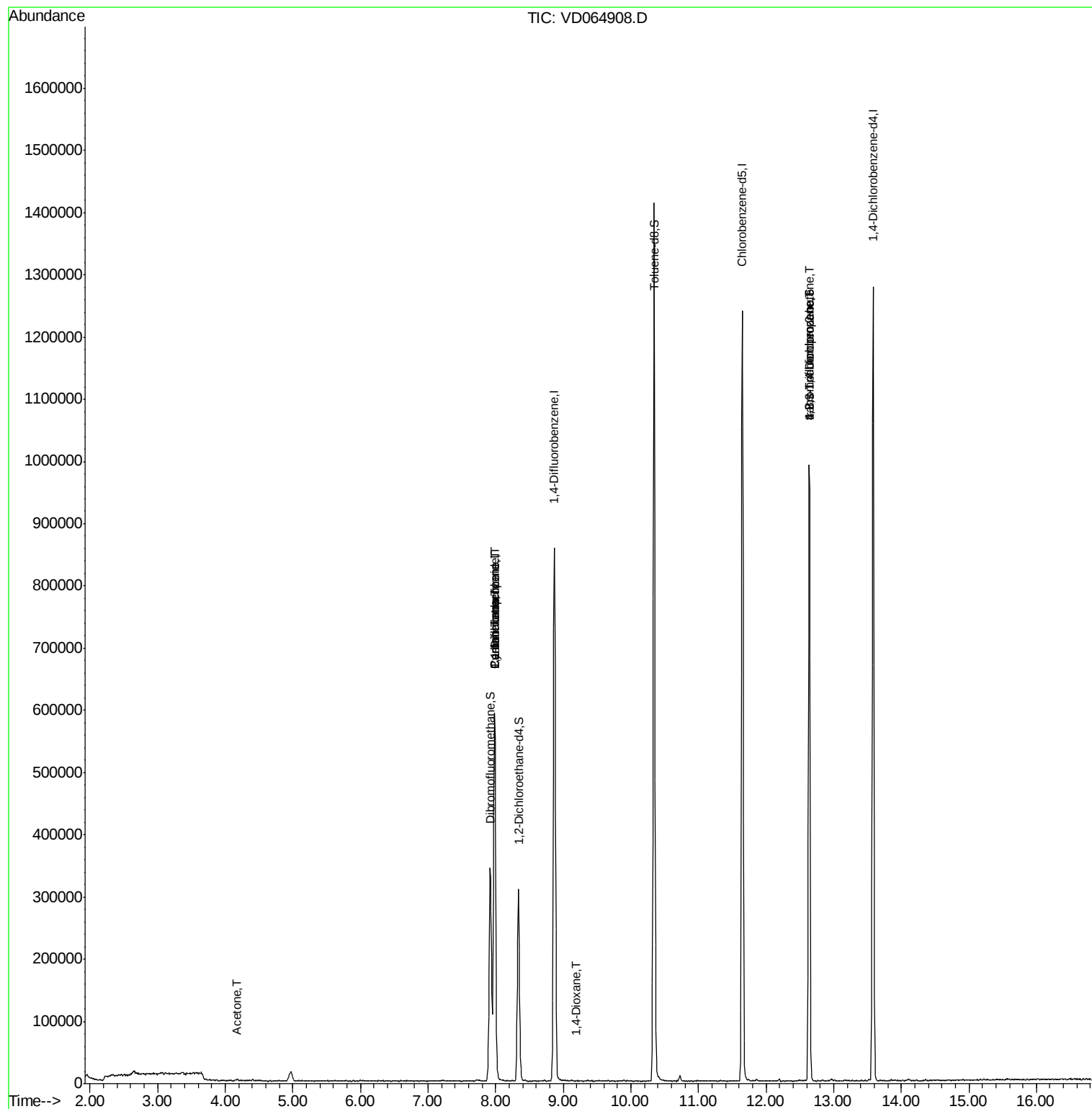
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	452914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	746242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	699845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	244279	61.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.34%	
35) Dibromofluoromethane	7.92	113	235903	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
50) Toluene-d8	10.34	98	919174	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.64	95	297288	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3408	7.756	ug/l #	71
20) Methylene Chloride	4.96	84	12492	Below Cal	#	84
31) Cyclohexane	7.99	56	9845	1.322	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	33802	4.706	ug/l #	48
38) Carbon Tetrachloride	7.98	117	41665	5.440	ug/l #	16
49) 1,4-Dioxane	9.19	88	54	1.794	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	156819	58.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	156819	122.975	ug/l #	10

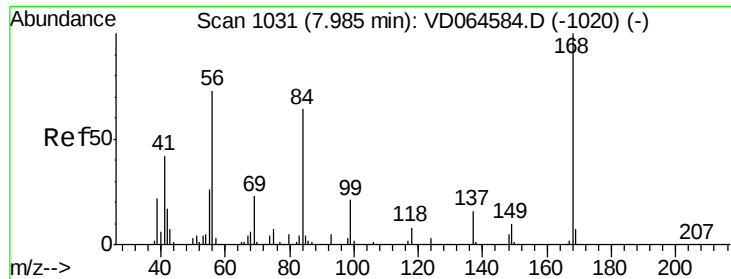
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064908.D

Acq: 21 Jan 2020 13:13

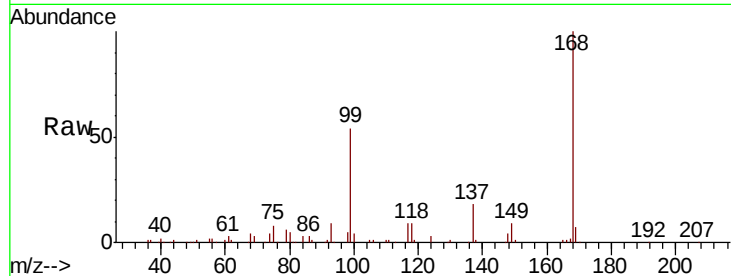
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 452914

Ion Ratio Lower Upper

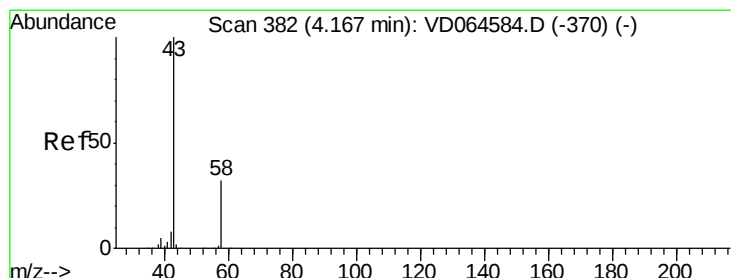
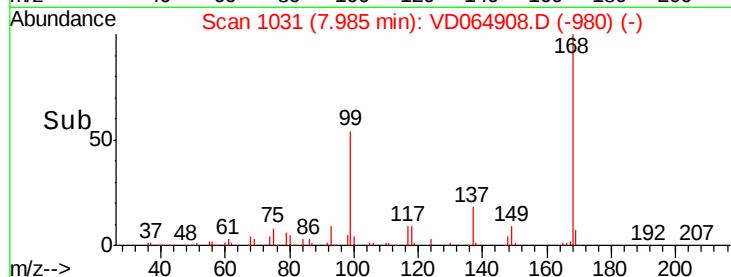
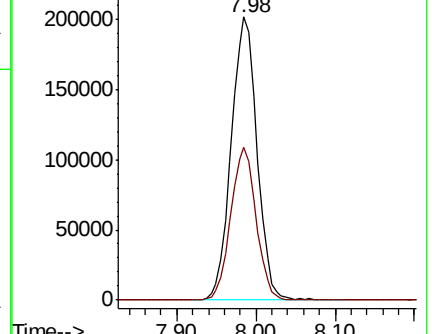
168 100

99 54.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 7.756 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064908.D

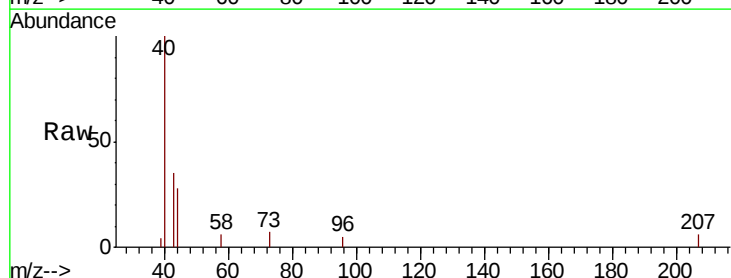
Acq: 21 Jan 2020 13:13

Tgt Ion: 43 Resp: 3408

Ion Ratio Lower Upper

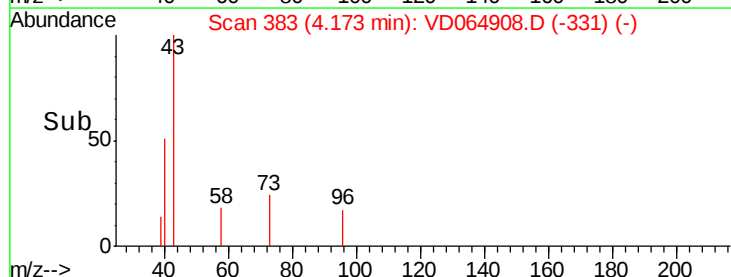
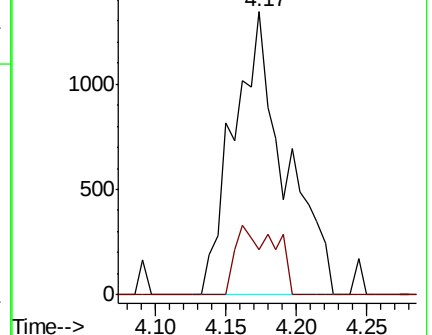
43 100

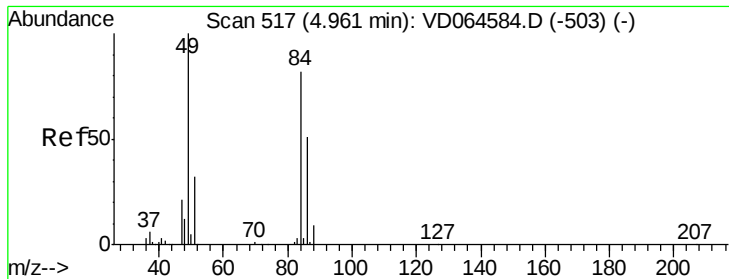
58 15.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

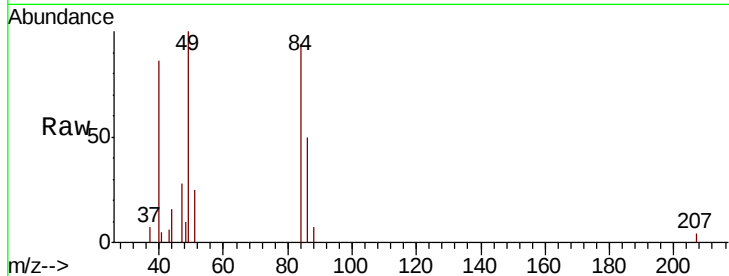




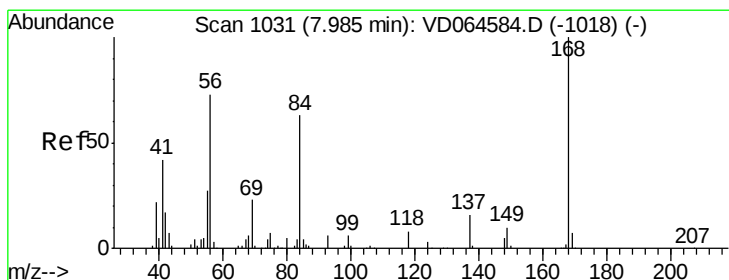
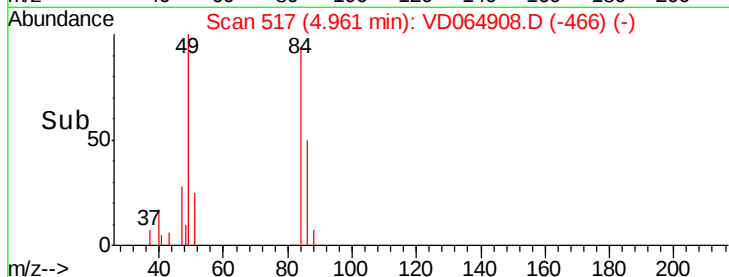
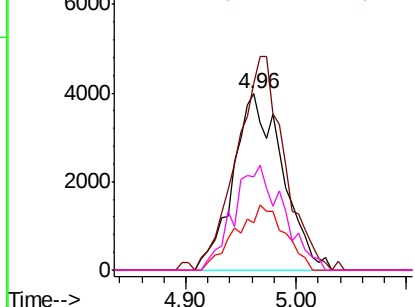
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 12492
Ion Ratio Lower Upper
84 100
49 101.5 97.2 145.8
51 26.9 31.4 47.0#
86 53.4 49.3 73.9

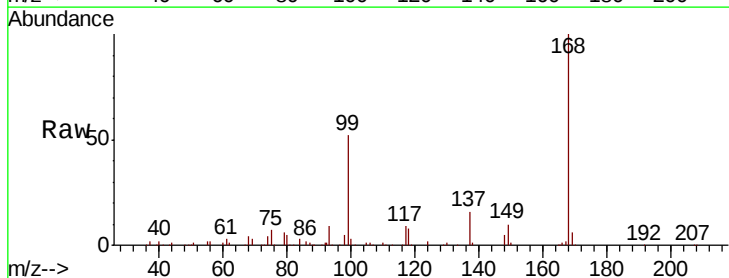


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

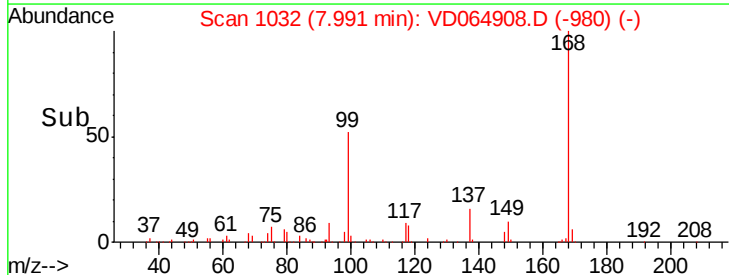
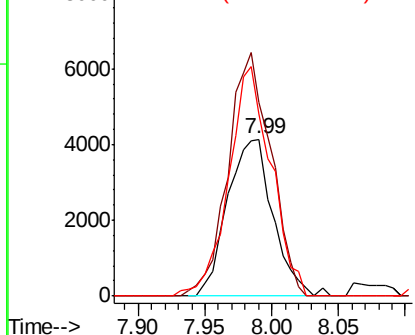


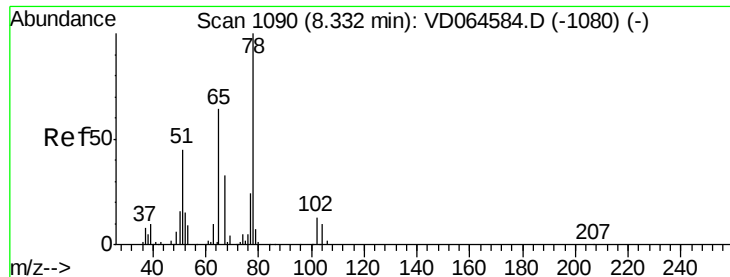
#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

Tgt Ion: 56 Resp: 9845
Ion Ratio Lower Upper
56 100
69 123.7 24.7 37.1#
84 116.7 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

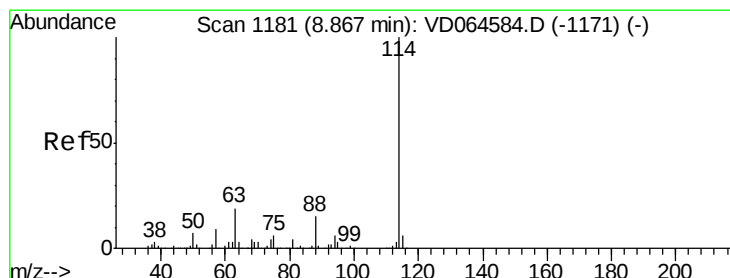
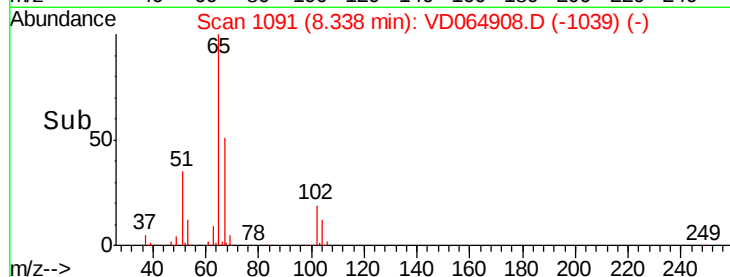
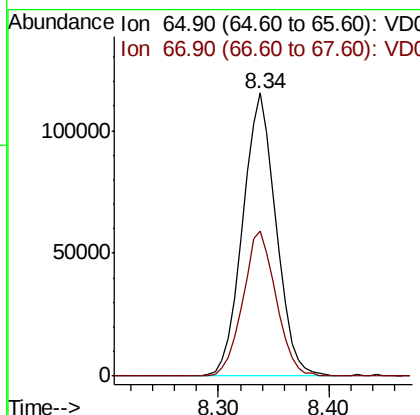
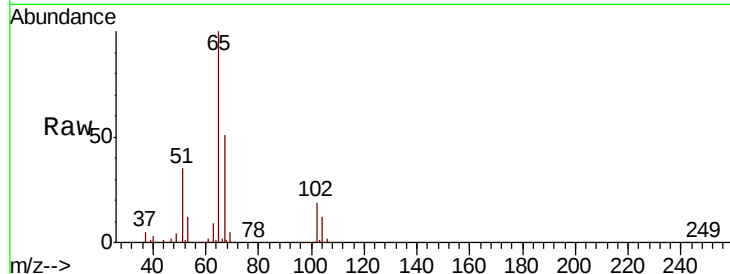




#33
 1,2-Dichloroethane-d4
 Concen: 61.165 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064908.D
 Acq: 21 Jan 2020 13:13

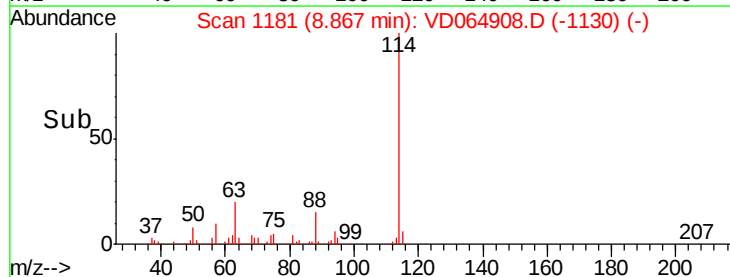
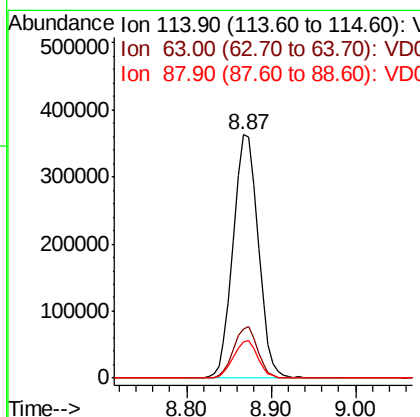
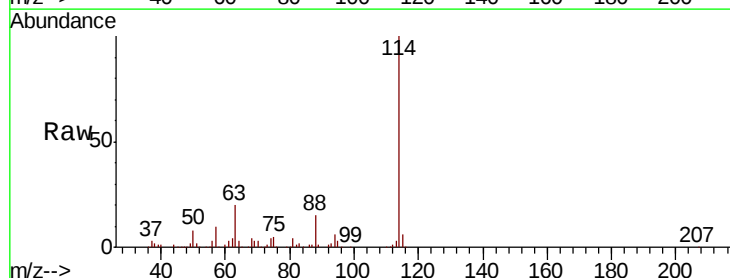
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 244279
 Ion Ratio Lower Upper
 65 100
 67 51.0 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: VD064908.D
 Acq: 21 Jan 2020 13:13

Tgt Ion: 114 Resp: 746242
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 15.0 0.0 29.2

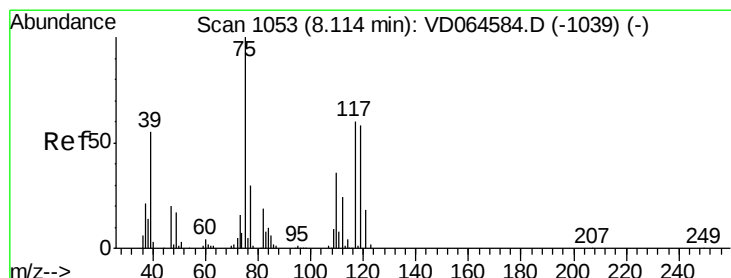
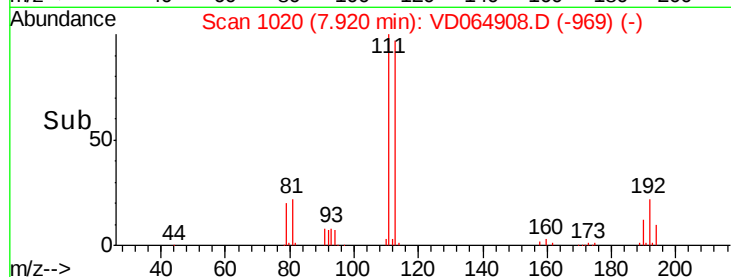
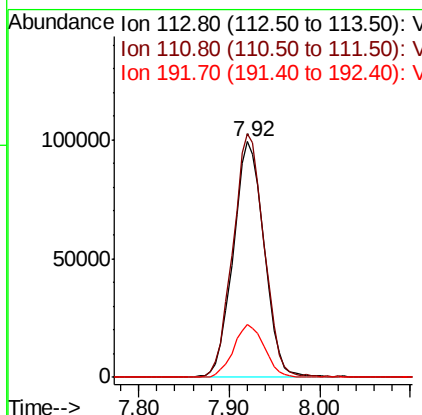
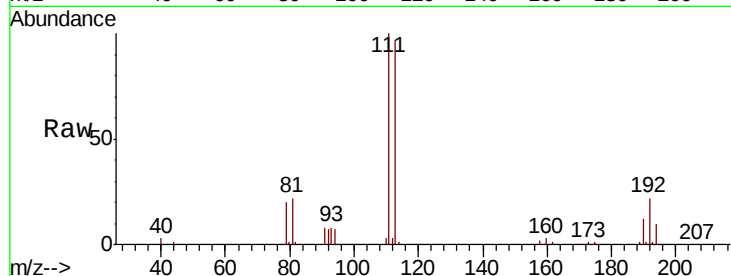




#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

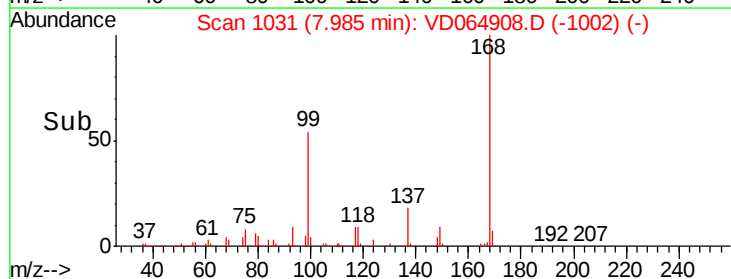
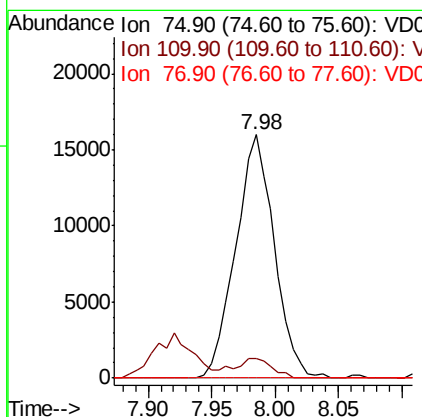
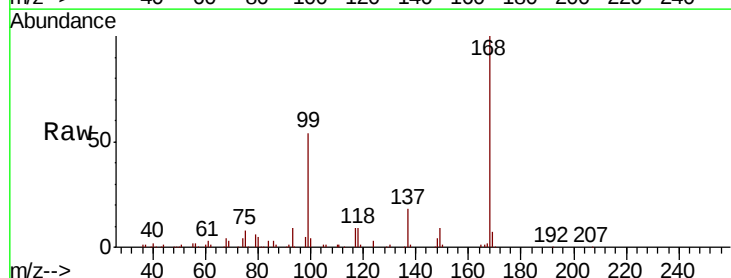
Instrument :
MSVOA_D
ClientSampled :

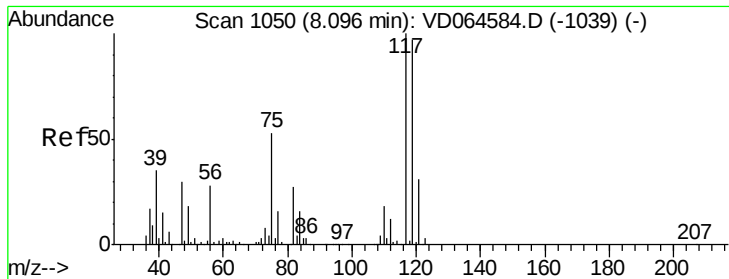
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.6	121.0
192	22.5	17.9	26.9



#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064908.D

Acq: 21 Jan 2020 13:13

Instrument :

MSVOA_D

ClientSampled :

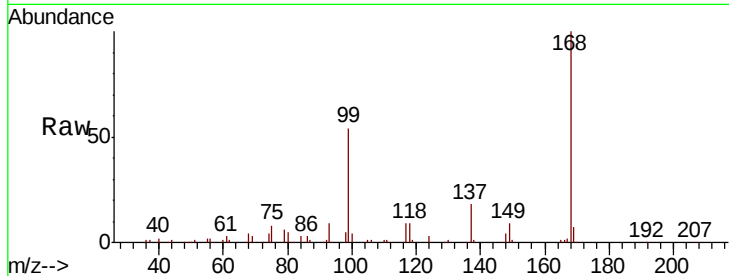
Tot Ion:117 Resp: 41665

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

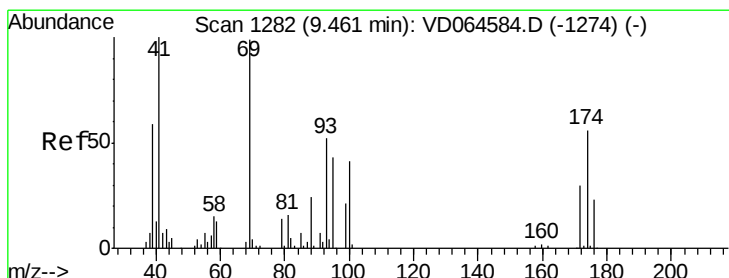
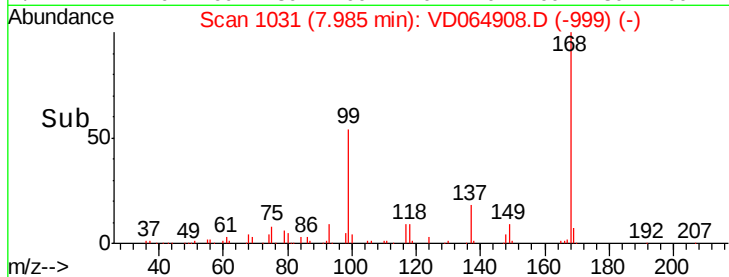
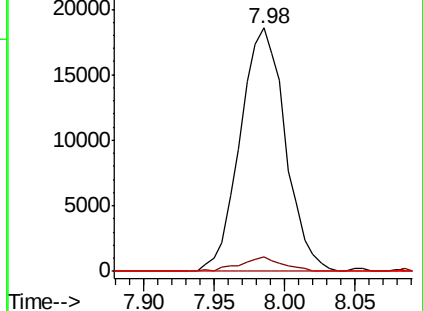
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 1.794 ug/l

RT: 9.19 min Scan# 1236

Delta R.T. -0.27 min

Lab File: VD064908.D

Acq: 21 Jan 2020 13:13

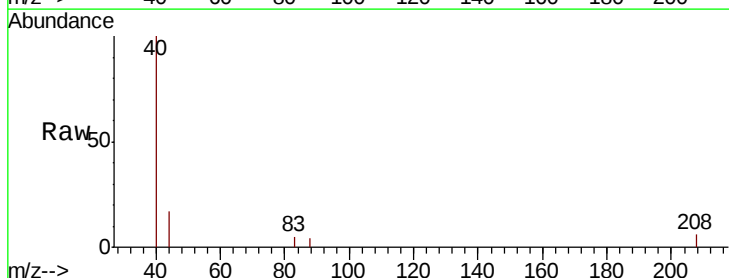
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

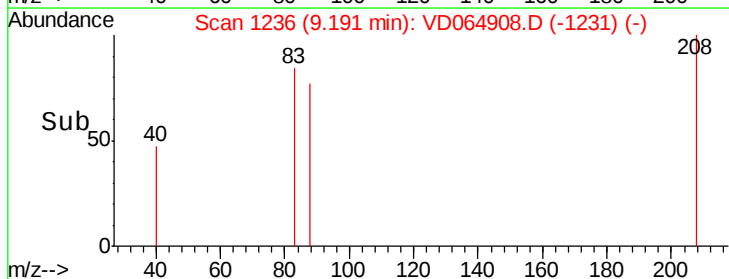
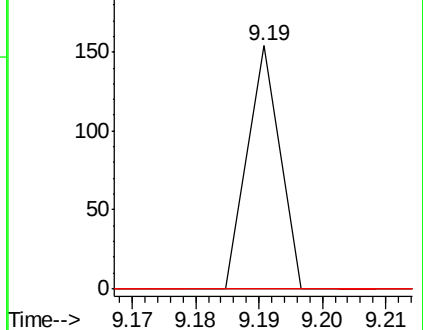
58 0.0 53.8 80.6#

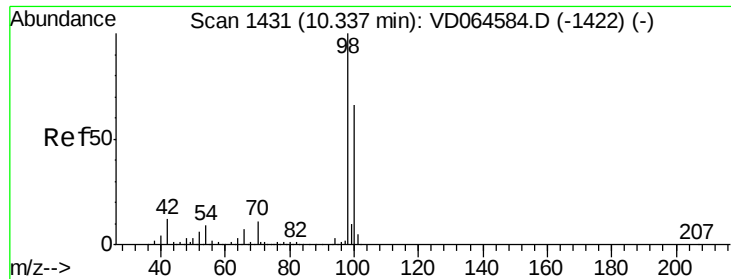


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

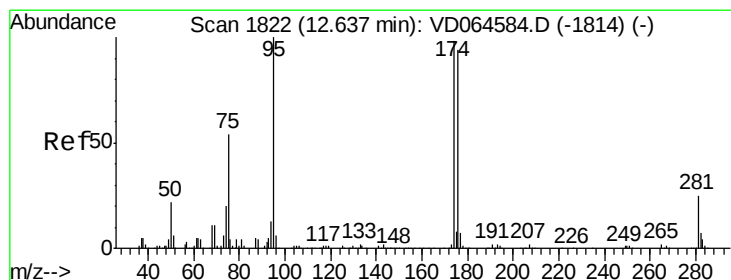
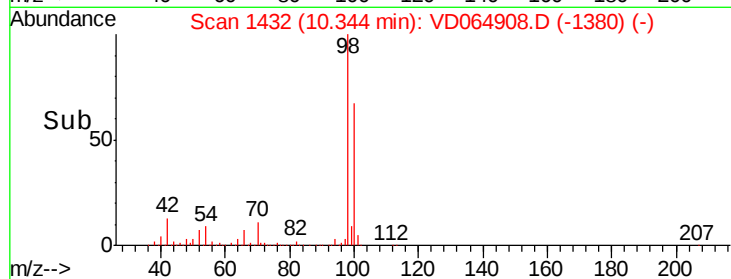
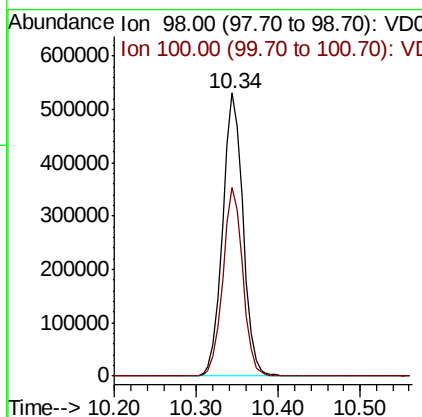
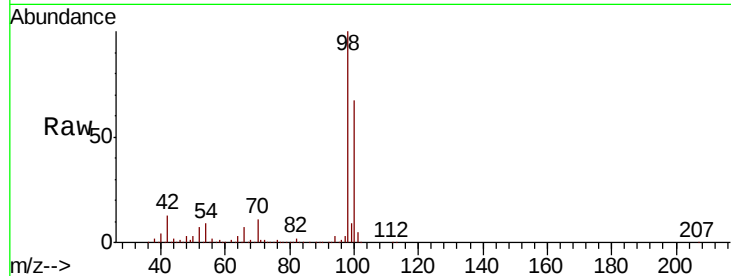




#50
Toluene-d8
Concen: 52.421 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

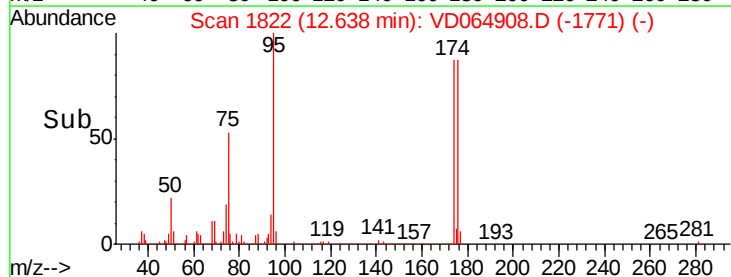
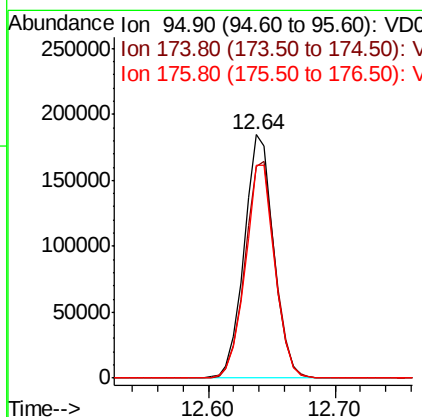
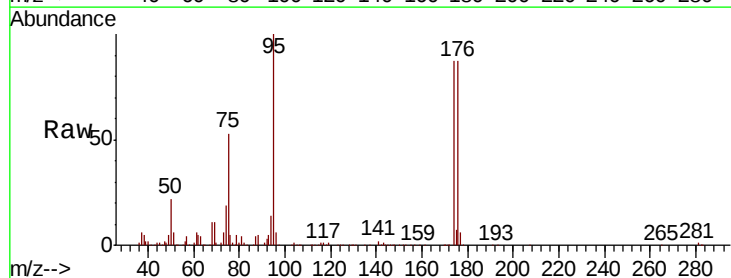
Instrument :
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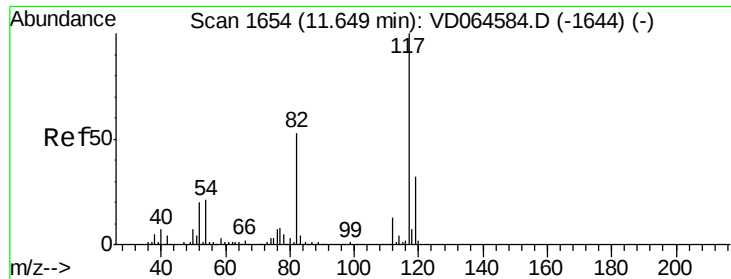
Tot Ion: 98 Resp: 919174
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 53.618 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

Tgt Ion: 95 Resp: 297288
Ion Ratio Lower Upper
95 100
174 91.0 0.0 193.2
176 87.9 0.0 184.2

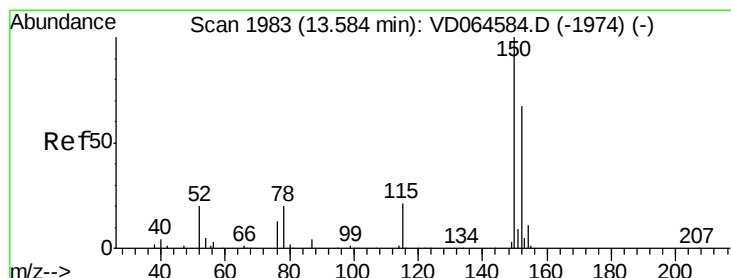
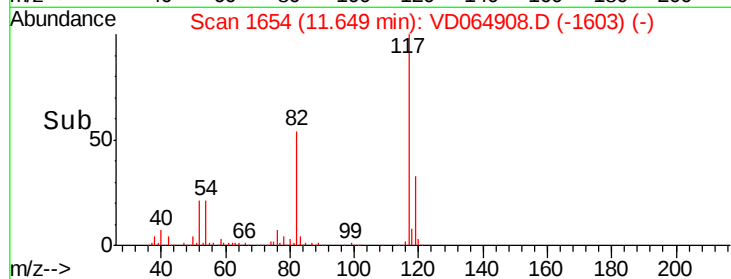
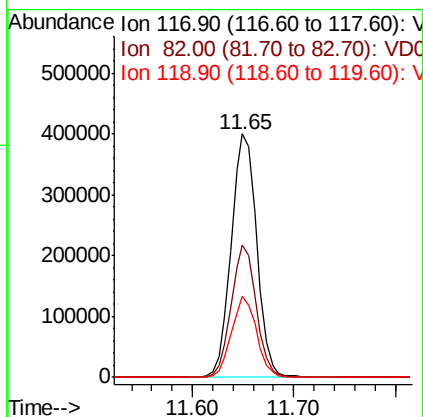
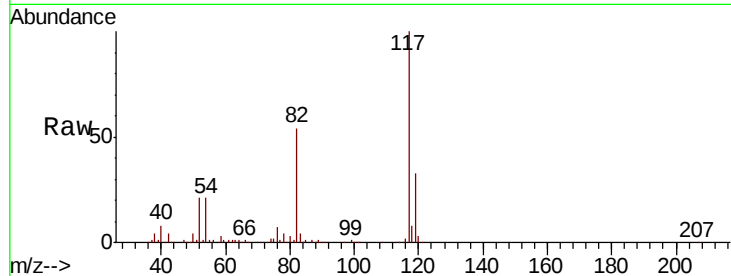




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

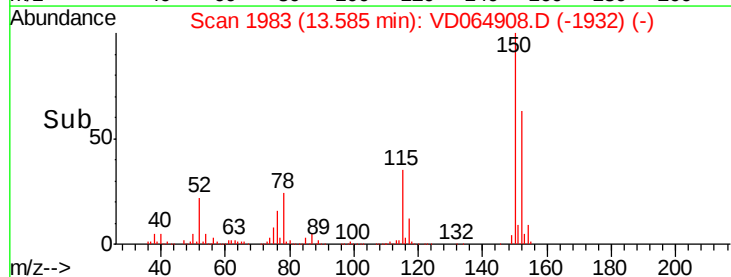
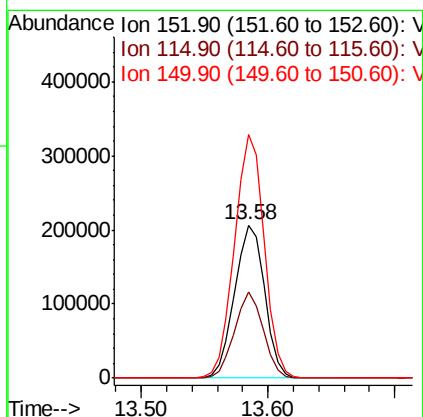
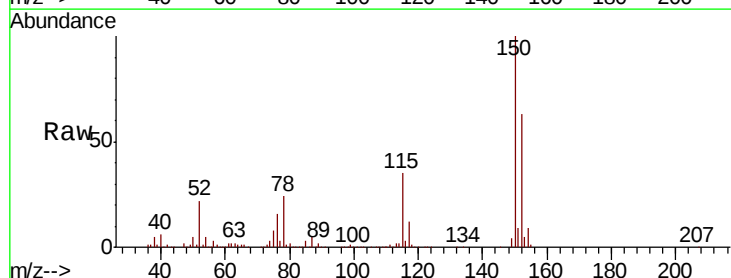
Instrument :
MSVOA_D
ClientSampleId :

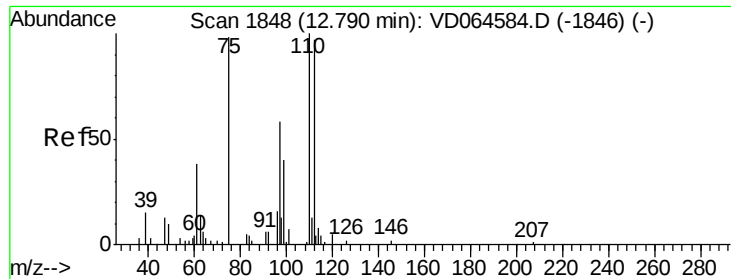
Tot Ion:117 Resp: 699845
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 33.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064908.D
Acq: 21 Jan 2020 13:13

Tgt Ion:152 Resp: 337748
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.4
150 157.3 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 58.798 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064908.D

Acq: 21 Jan 2020 13:13

Instrument :

MSVOA_D

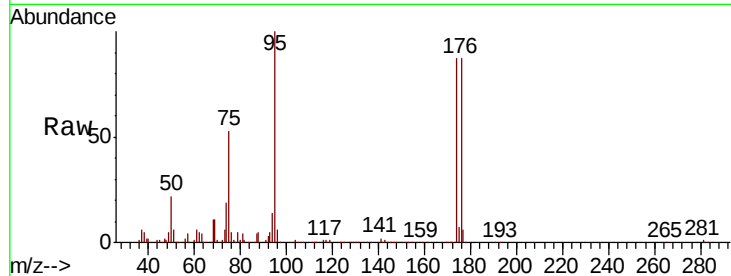
ClientSampled :

Tot Ion: 75 Resp: 156819

Ion Ratio Lower Upper

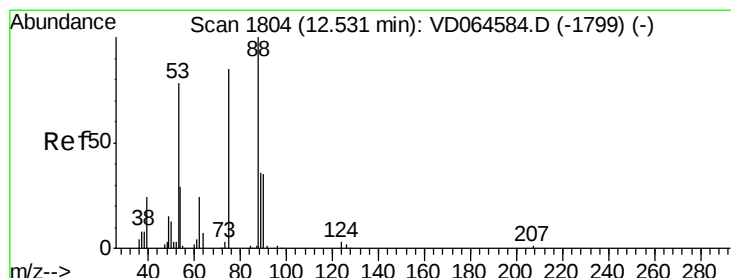
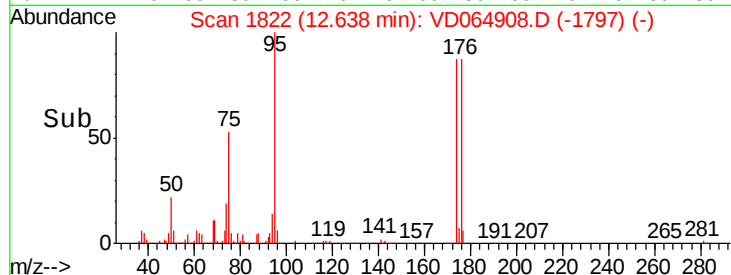
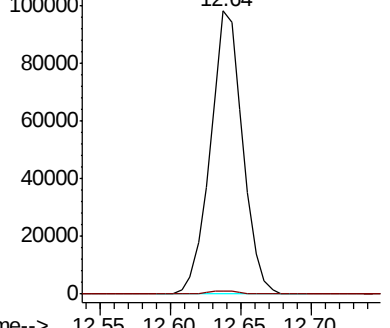
75 100

77 1.1 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: 122.975 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064908.D

Acq: 21 Jan 2020 13:13

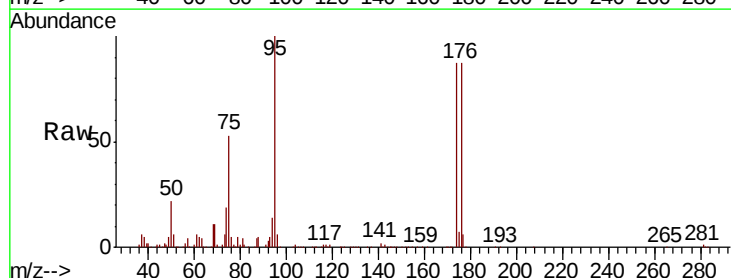
Tgt Ion: 75 Resp: 156819

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 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

