

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064906.D
 Acq On : 21 Jan 2020 12:16
 Operator : VA/SY
 Sample : L1189-04
 Misc : 6.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:27:12 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

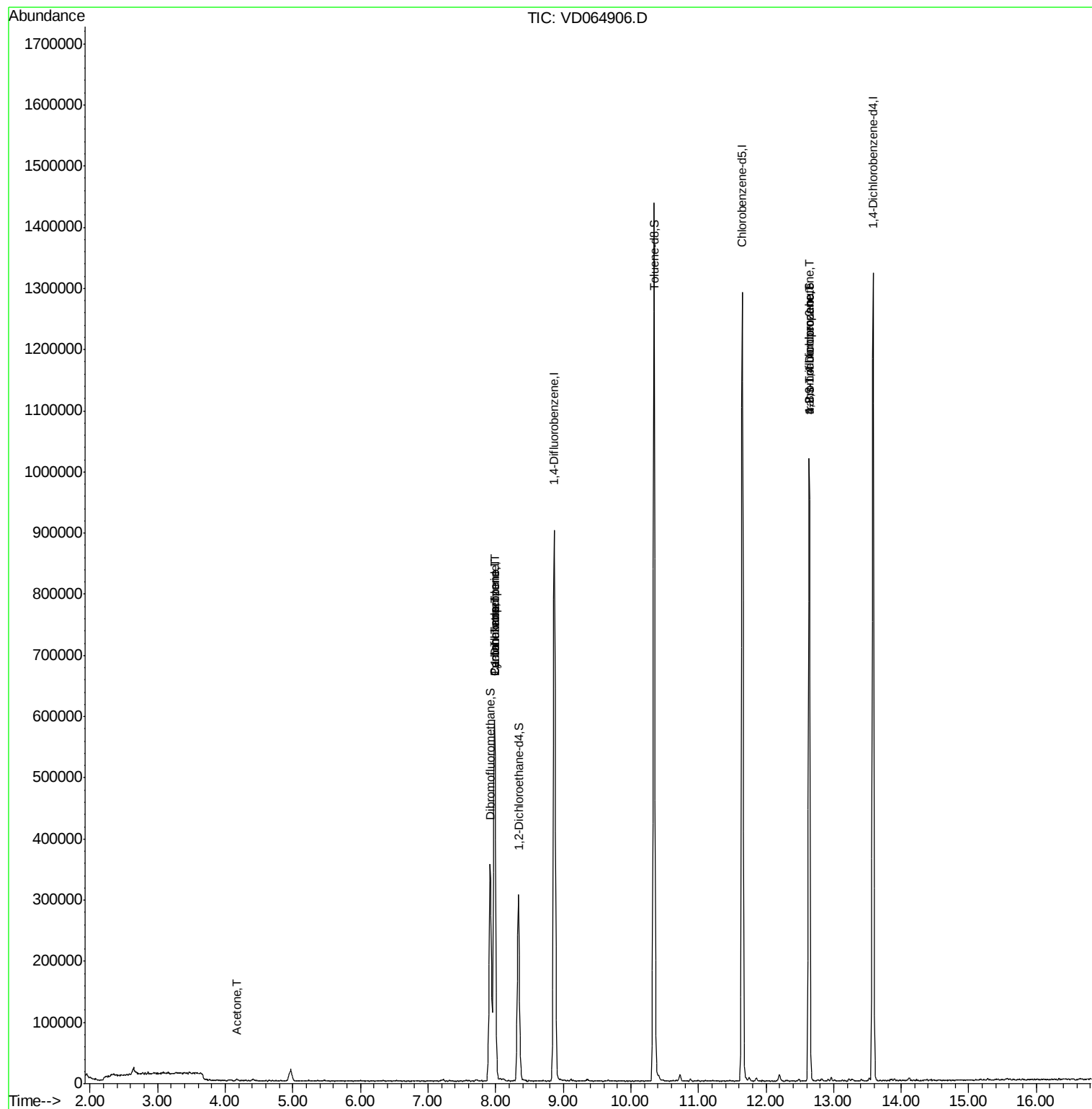
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	464171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	725698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	240111	58.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.32%	
35) Dibromofluoromethane	7.92	113	245275	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
50) Toluene-d8	10.34	98	936770	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.64	95	299732	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
Target Compounds						
16) Acetone	4.17	43	3367	7.627	ug/l	92
20) Methylene Chloride	4.97	84	12917	Below Cal	#	93
31) Cyclohexane	7.98	56	10613	1.391	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	34549	4.689	ug/l #	49
38) Carbon Tetrachloride	7.98	117	44009	5.601	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	160603	58.292	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	160603	121.917	ug/l #	10

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

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QLast Update : Tue Dec 24 13:19:06 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064906.D

Acq: 21 Jan 2020 12:16

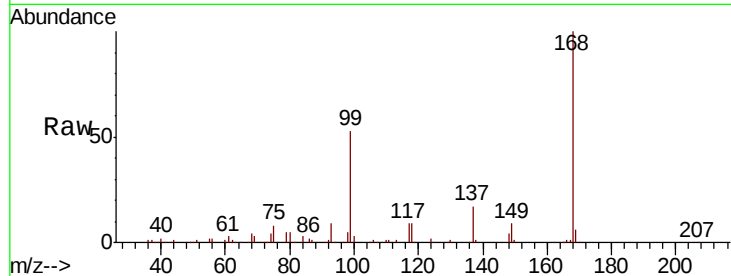
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 464171

Ion Ratio Lower Upper

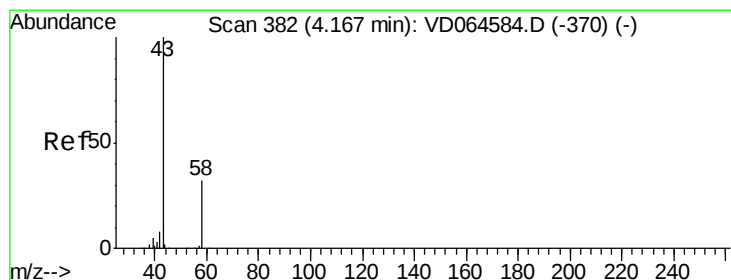
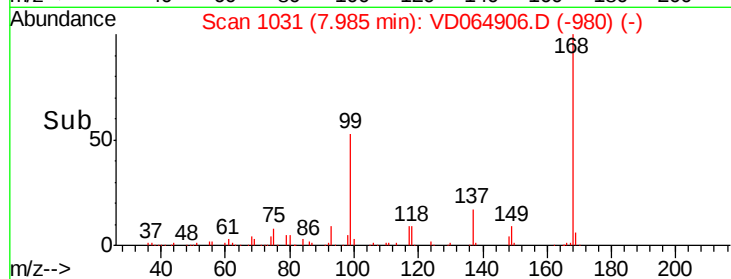
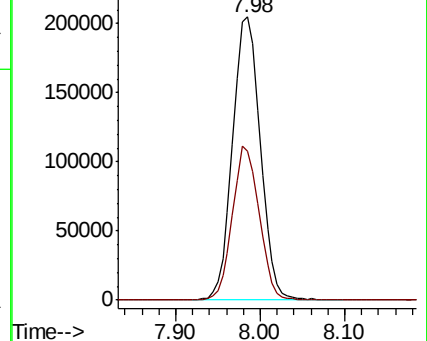
168 100

99 52.6 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: 7.627 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064906.D

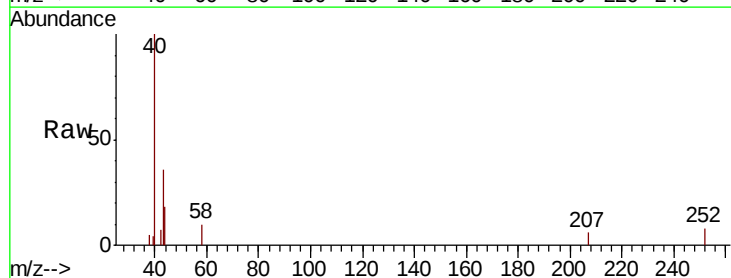
Acq: 21 Jan 2020 12:16

Tgt Ion: 43 Resp: 3367

Ion Ratio Lower Upper

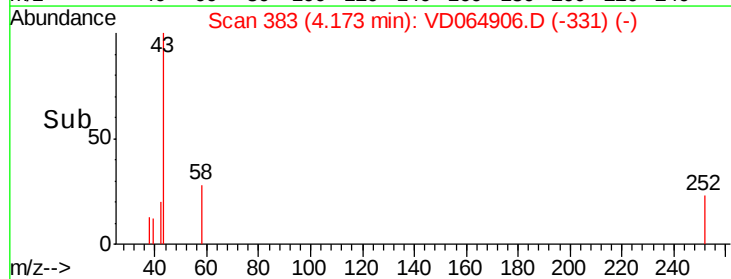
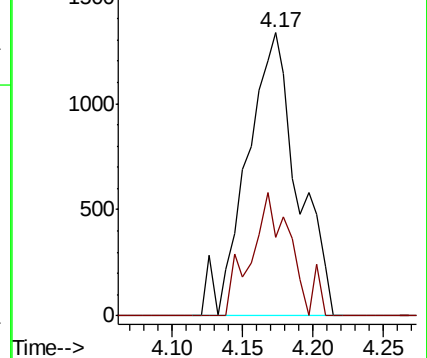
43 100

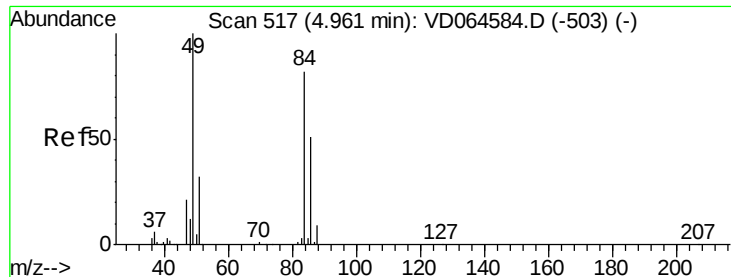
58 27.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

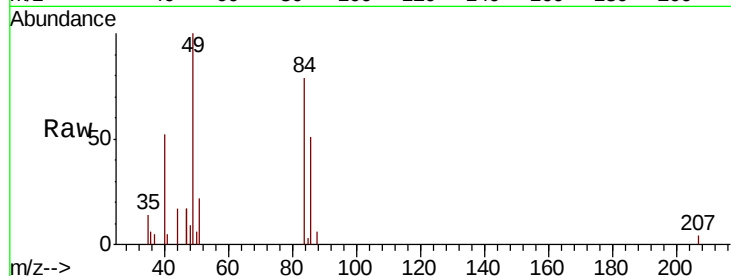
Delta R.T. 0.01 min

Lab File: VD064906.D

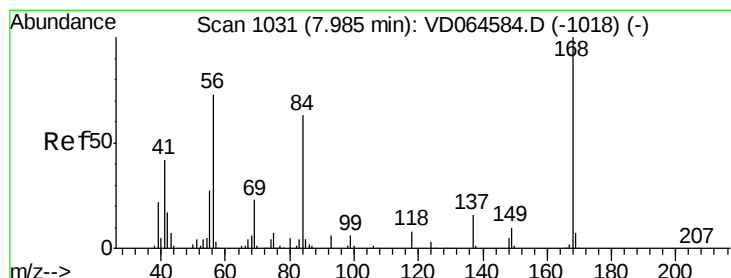
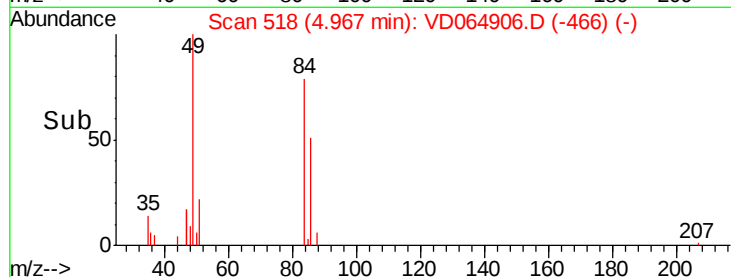
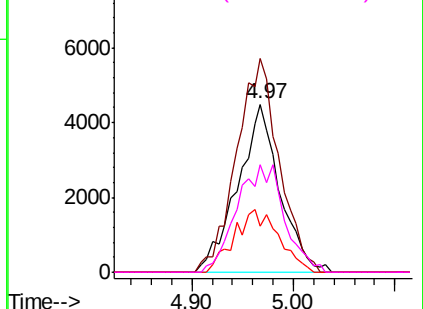
Acq: 21 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	12917
Ion	Ratio	Lower	Upper
84	100		
49	127.3	97.2	145.8
51	27.8	31.4	47.0#
86	64.3	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: 1.391 ug/l

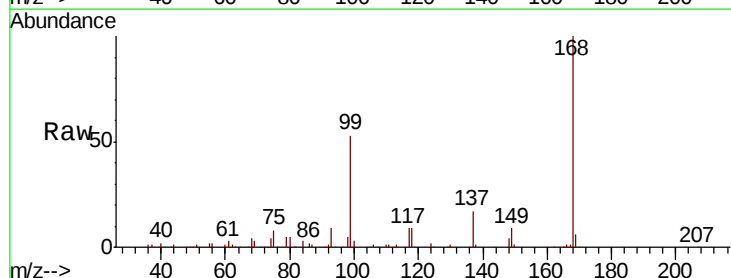
RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

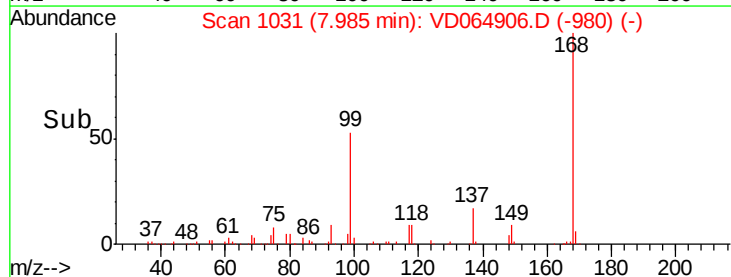
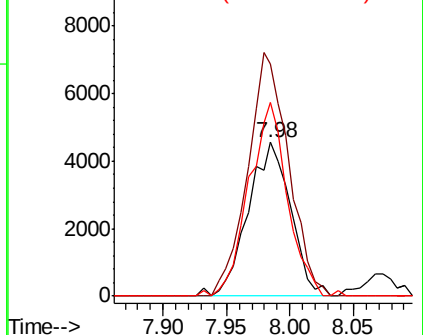
Lab File: VD064906.D

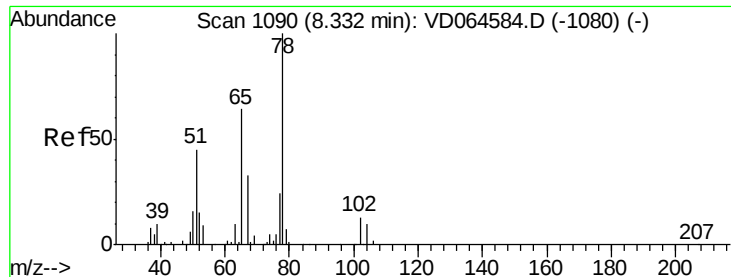
Acq: 21 Jan 2020 12:16

Tgt Ion:	56	Resp:	10613
Ion	Ratio	Lower	Upper
56	100		
69	150.6	24.7	37.1#
84	126.0	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

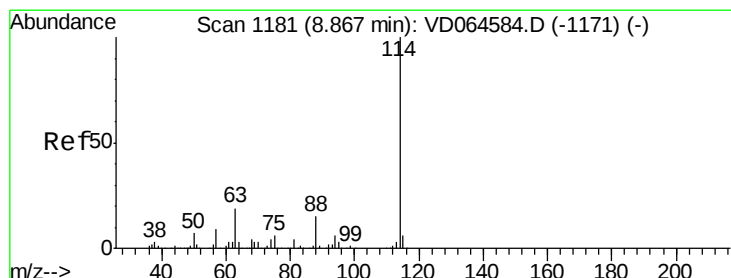
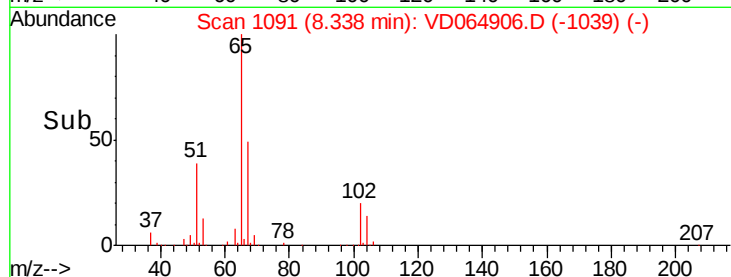
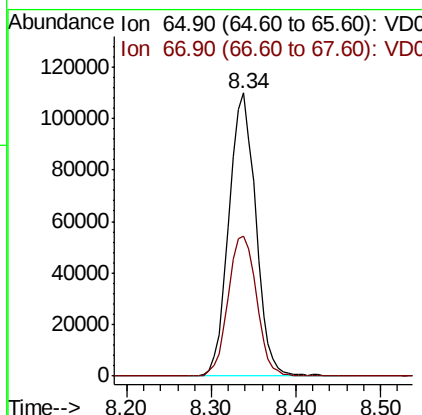
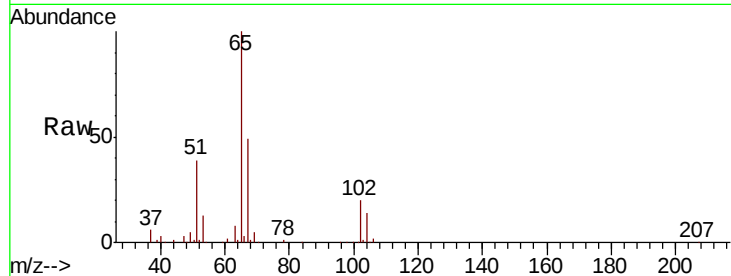




#33
 1,2-Dichloroethane-d4
 Concen: 58.664 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064906.D
 Acq: 21 Jan 2020 12:16

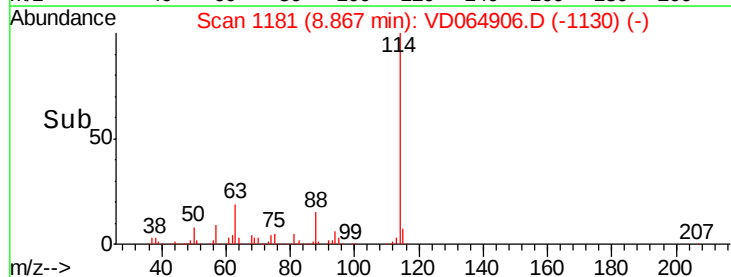
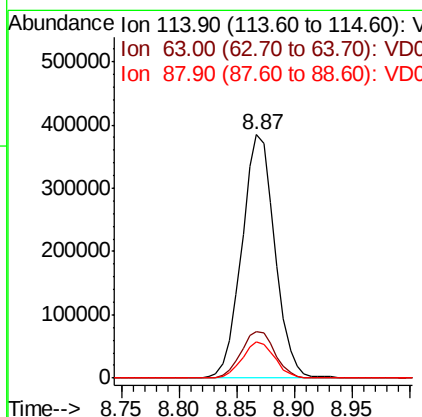
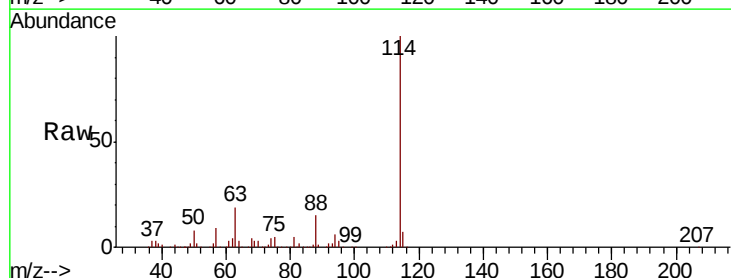
Instrument :
 MSVOA_D
 ClientSampleId :

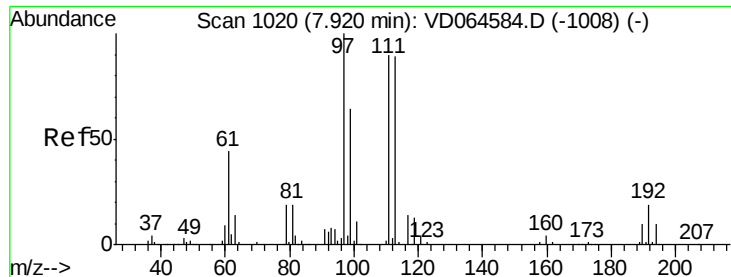
Tot Ion: 65 Resp: 240111
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064906.D
 Acq: 21 Jan 2020 12:16

Tgt Ion: 114 Resp: 765535
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 14.7 0.0 29.2

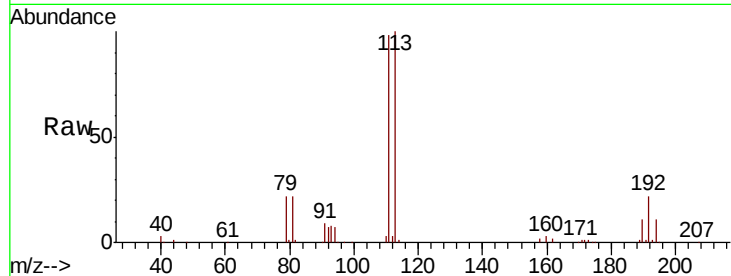




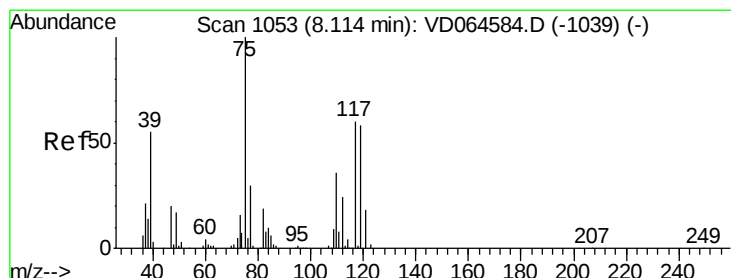
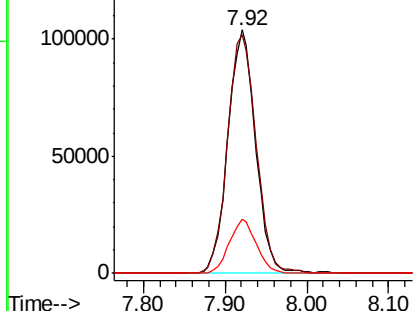
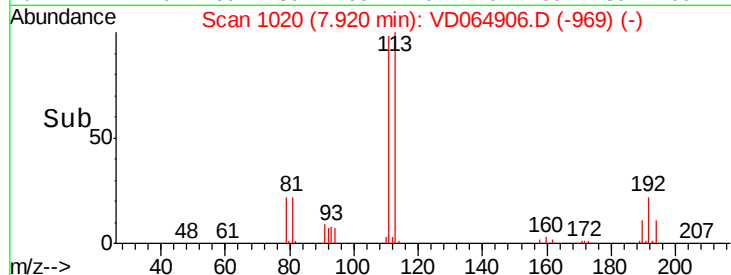
#35
 Dibromofluoromethane
 Concen: 52.223 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064906.D
 Acq: 21 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.6	121.0
192	21.7	17.9	26.9

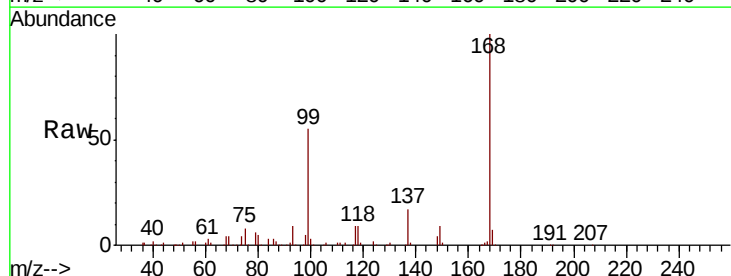


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

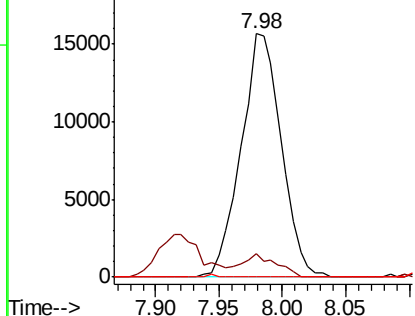
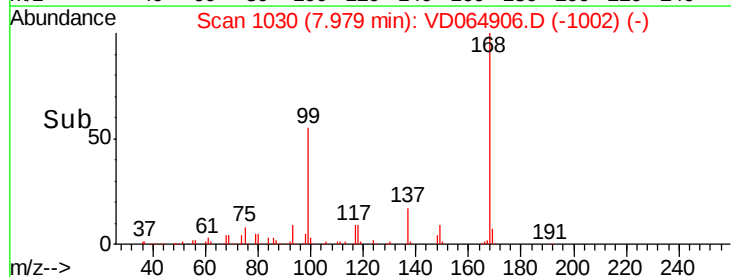


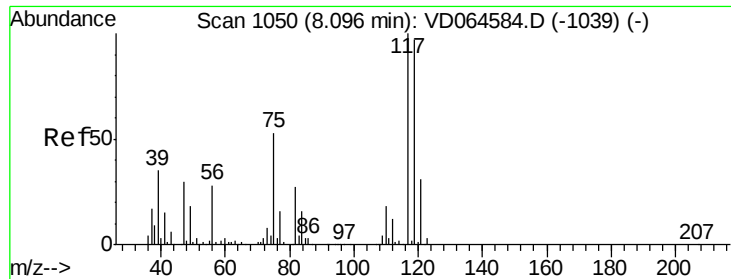
#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064906.D
 Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.1#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.601 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064906.D

Acq: 21 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

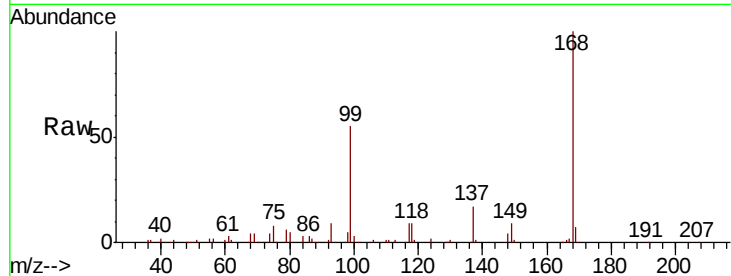
Tot Ion:117 Resp: 44009

Ion Ratio Lower Upper

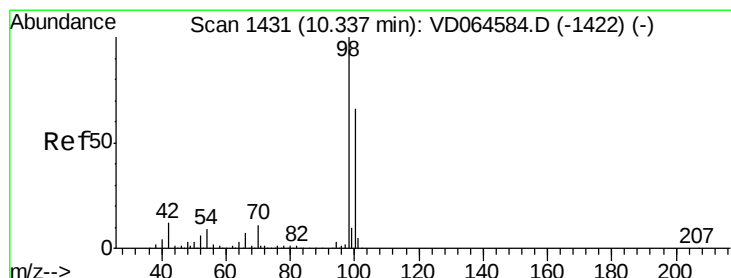
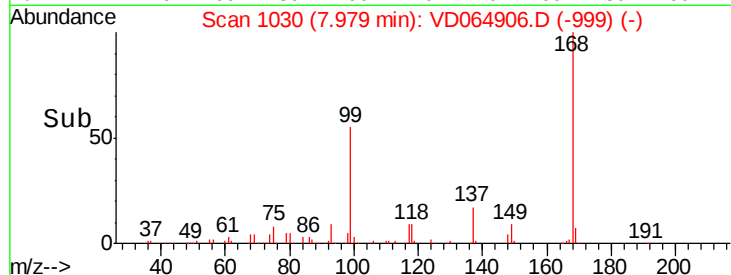
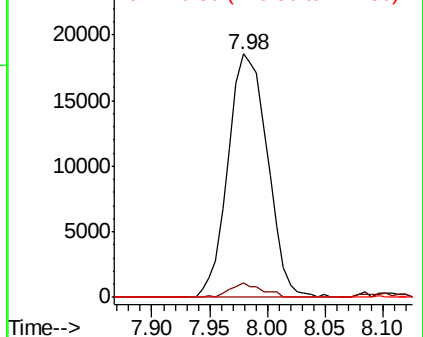
117 100

119 6.0 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



#50

Toluene-d8

Concen: 52.078 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064906.D

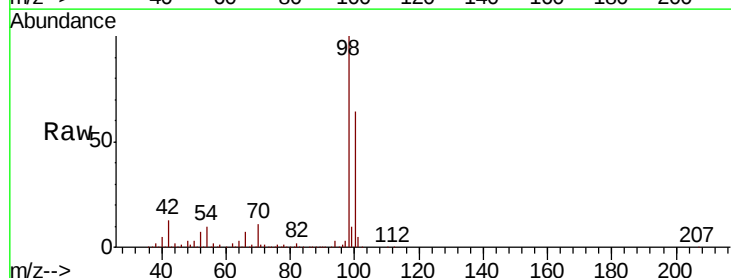
Acq: 21 Jan 2020 12:16

Tgt Ion: 98 Resp: 936770

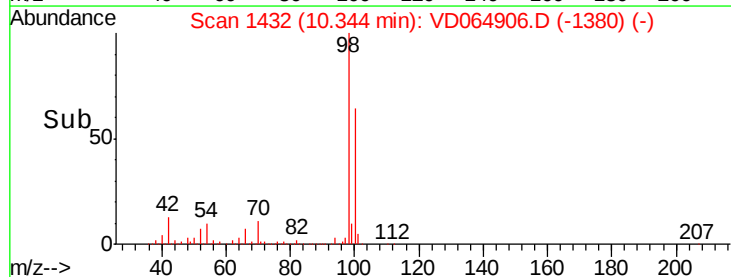
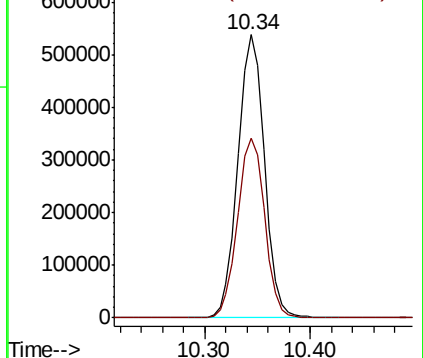
Ion Ratio Lower Upper

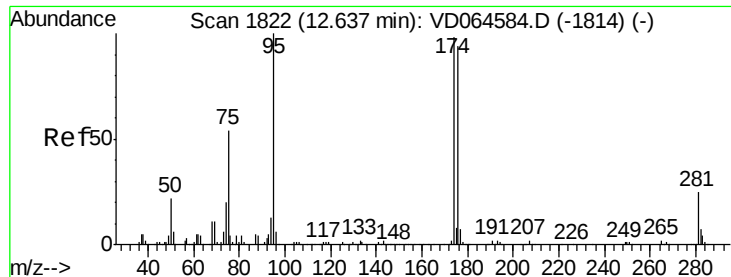
98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

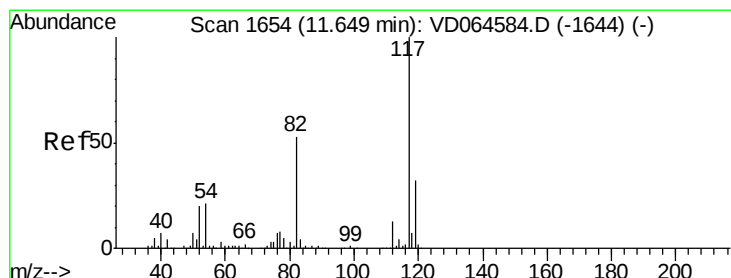
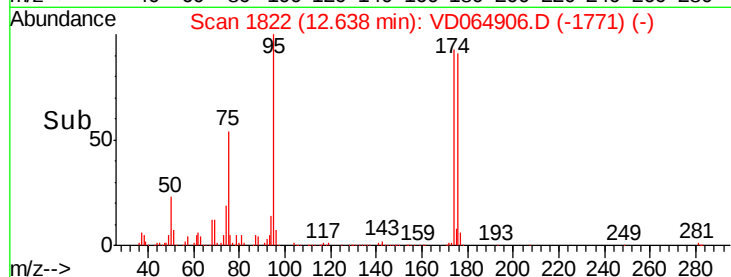
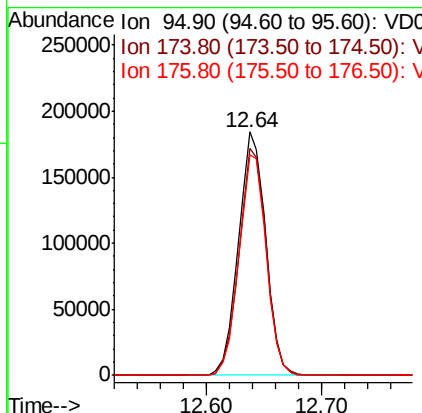
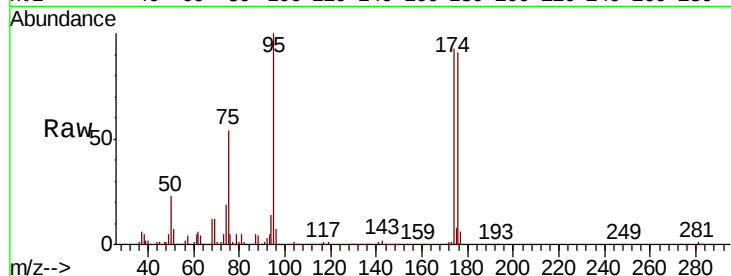




#62
4-Bromofluorobenzene
Concen: 52.696 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064906.D
Acq: 21 Jan 2020 12:16

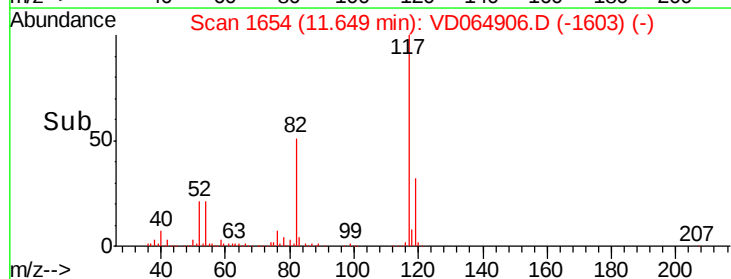
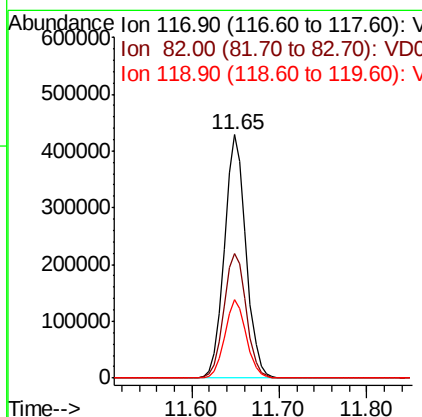
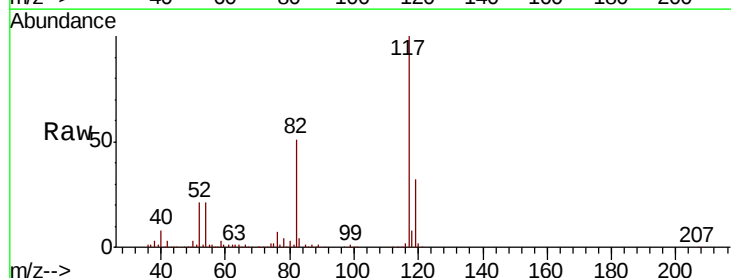
Instrument :
MSVOA_D
ClientSampleId :

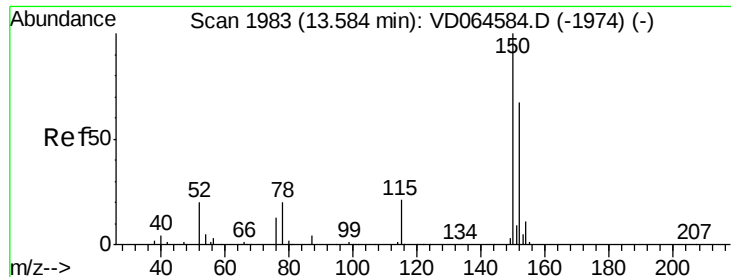
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	193.2
176	91.0	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064906.D
Acq: 21 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.4
119	32.2	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: VD064906.D

Acq: 21 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

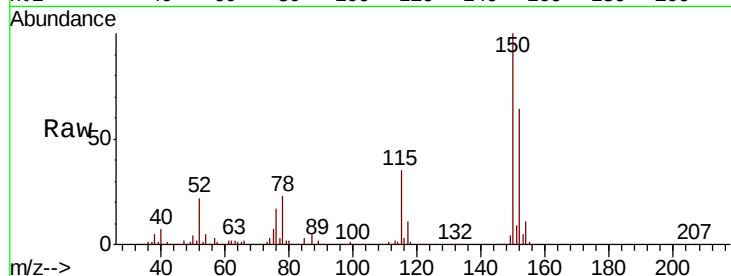
Tot Ion:152 Resp: 348900

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

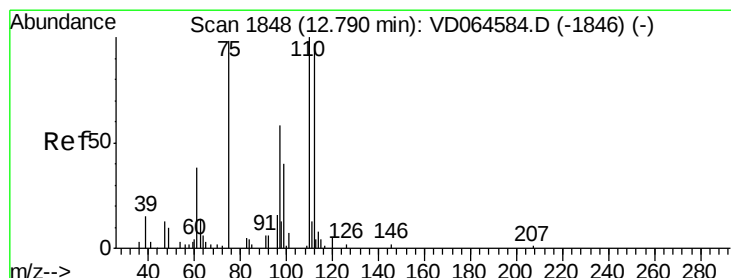
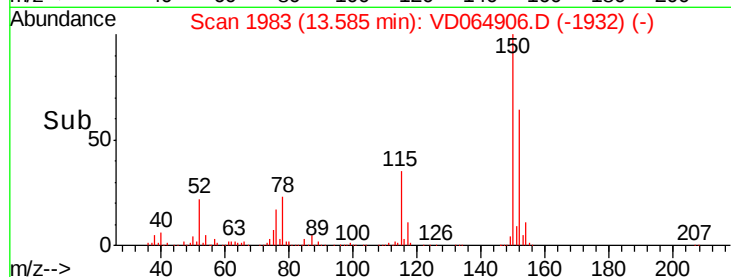
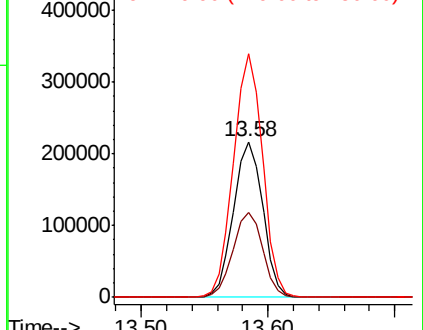
150 154.6 0.0 351.4



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: 58.292 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064906.D

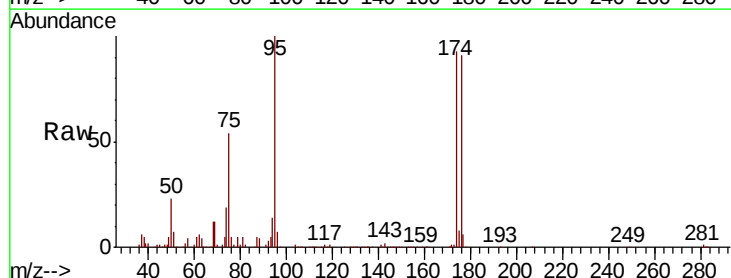
Acq: 21 Jan 2020 12:16

Tgt Ion: 75 Resp: 160603

Ion Ratio Lower Upper

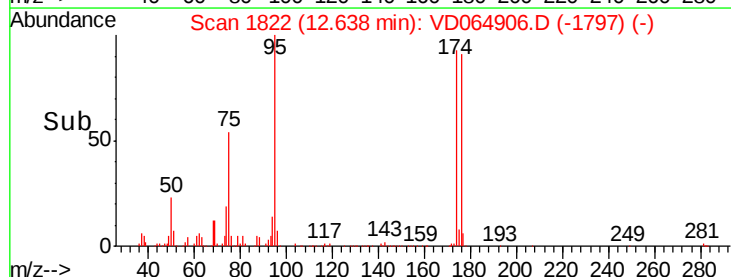
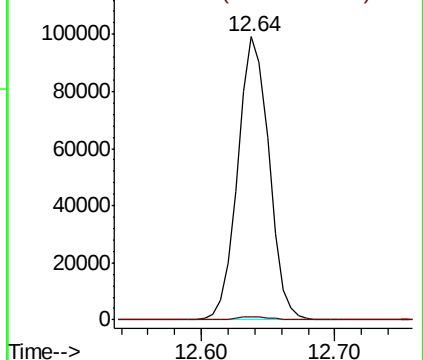
75 100

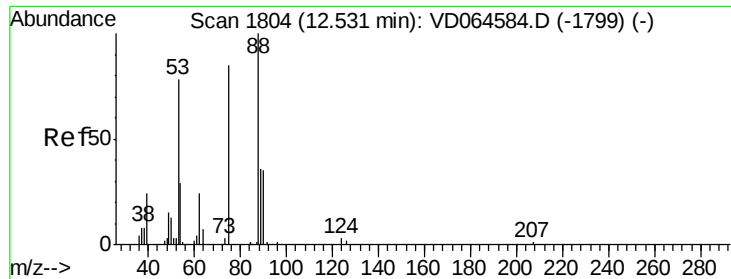
77 1.3 0.0 0.0#



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: 121.917 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064906.D

Acq: 21 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

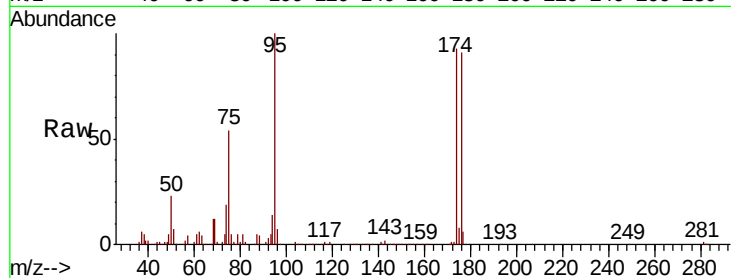
Tot Ion: 75 Resp: 160603

Ion Ratio Lower Upper

75 100

53 0.0 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

