

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064826.D
 Acq On : 09 Jan 2020 19:51
 Operator : VA/SY
 Sample : L1064-05
 Misc : 5.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:43:55 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

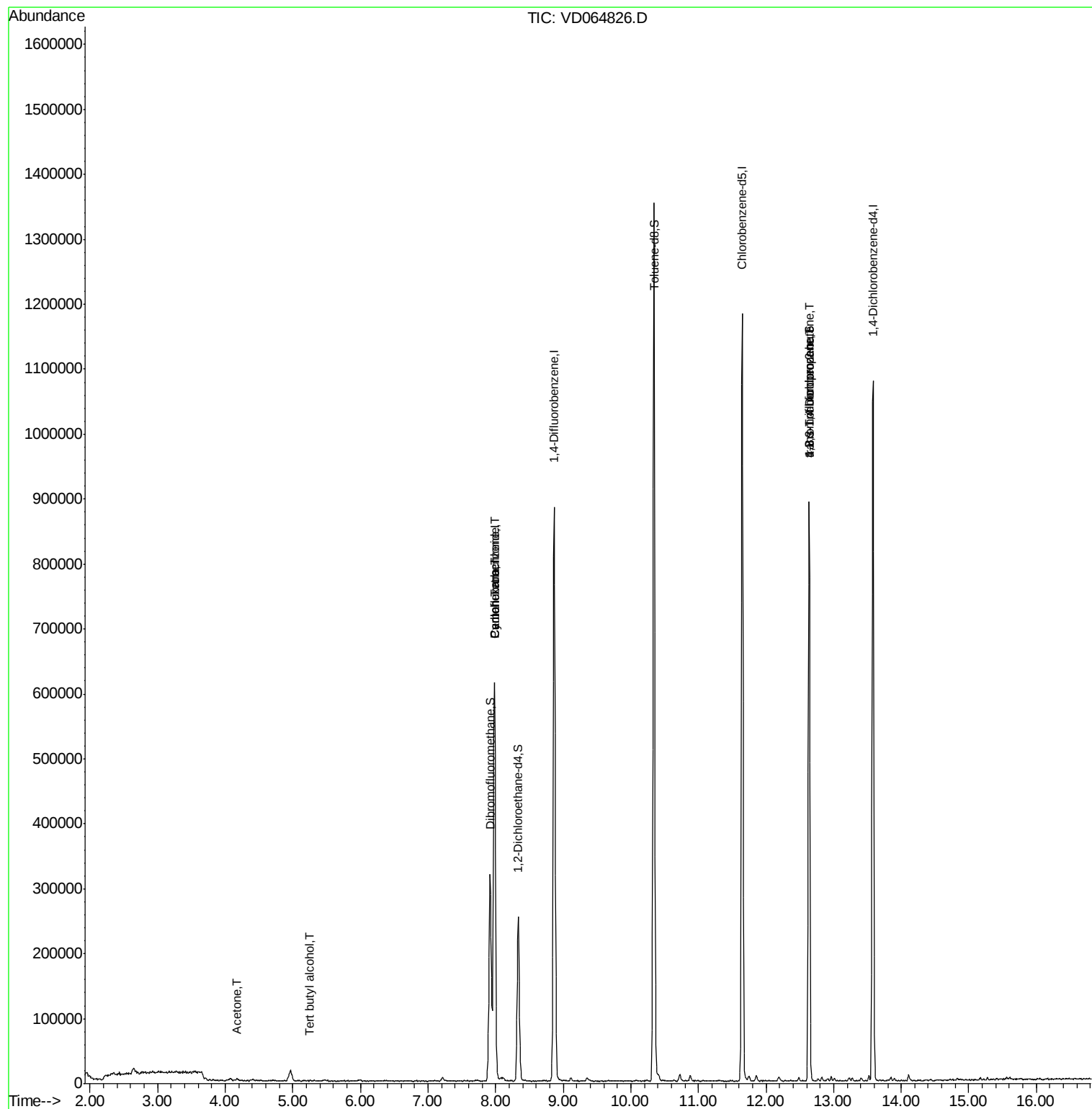
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	468150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	745696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	646923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292207	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200630	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
35) Dibromofluoromethane	7.92	113	219805	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	10.34	98	898485	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.64	95	260252	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	356	1.505	ug/l #	70
16) Acetone	4.17	43	4285	8.528	ug/l #	79
20) Methylene Chloride	4.96	84	11484	Below Cal	#	92
31) Cyclohexane	7.98	56	11664	1.515	ug/l #	1
38) Carbon Tetrachloride	7.99	117	47375	6.190	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	143056	61.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	143056	129.666	ug/l #	10

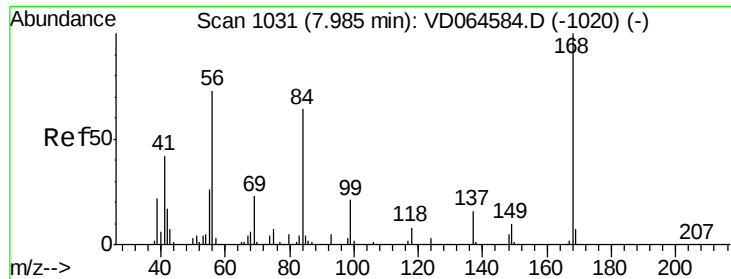
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jan 10 05:43:55 2020
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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064826.D

Acq: 09 Jan 2020 19:51

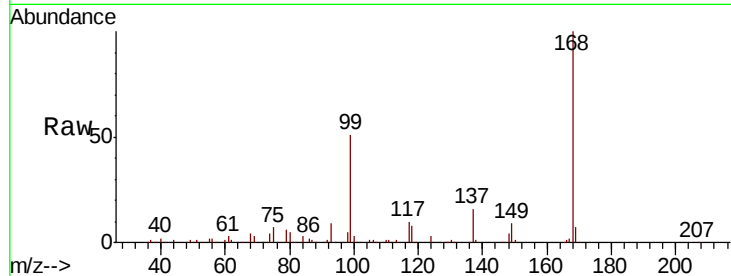
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 468150

Ion Ratio Lower Upper

168 100

99 51.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

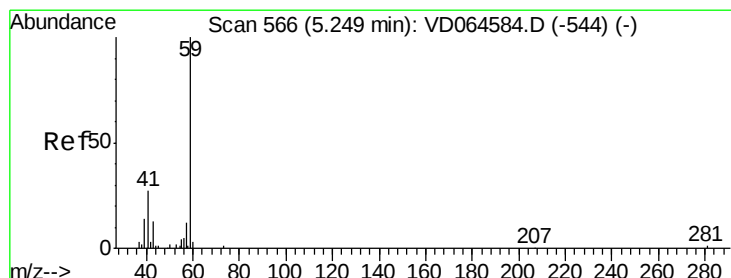
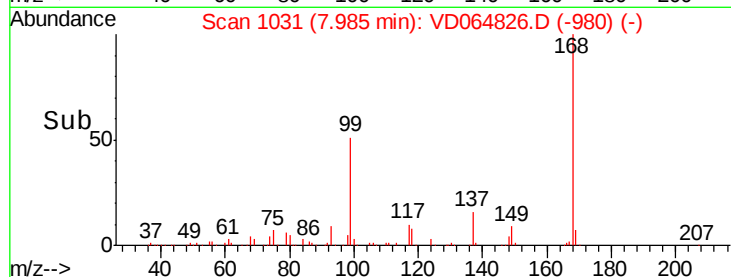
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064826.D

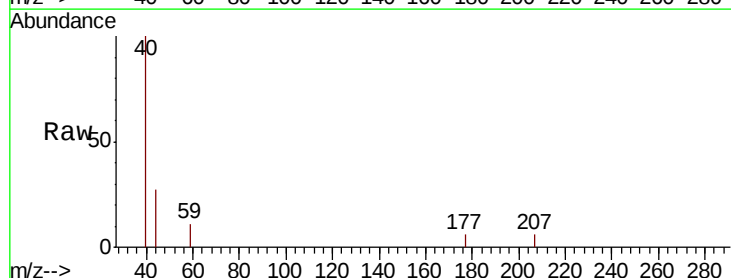
Acq: 09 Jan 2020 19:51

Tgt Ion: 59 Resp: 356

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

5.24

400

300

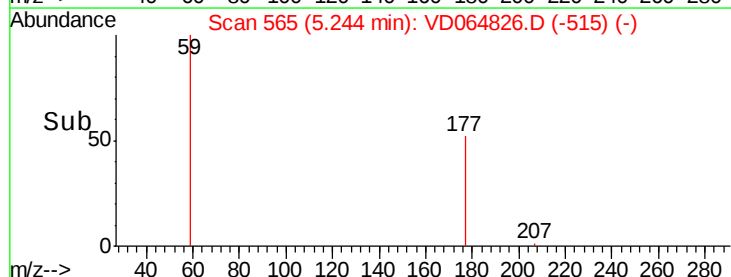
200

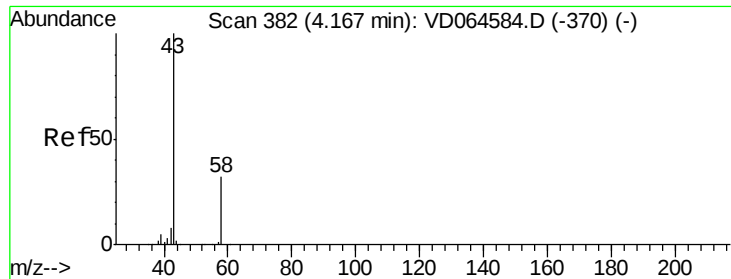
100

0

Time-->

5.24 5.26 5.28





#16

Acetone

Concen: 8.528 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064826.D

Acq: 09 Jan 2020 19:51

Instrument :

MSVOA_D

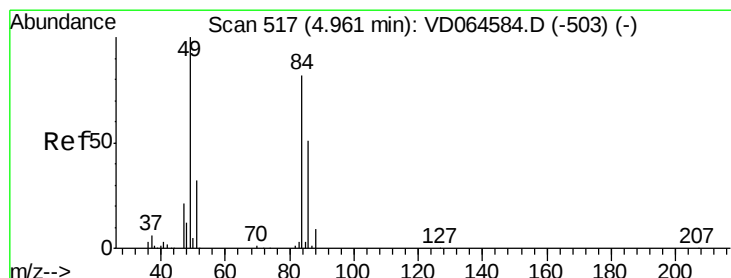
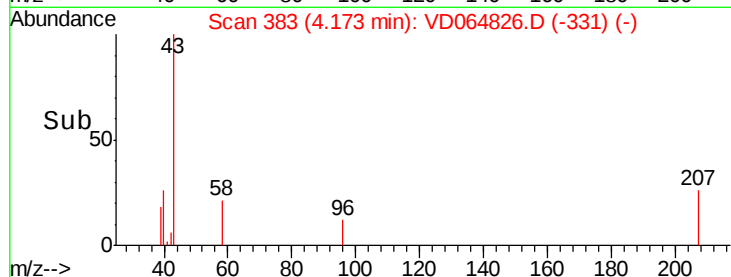
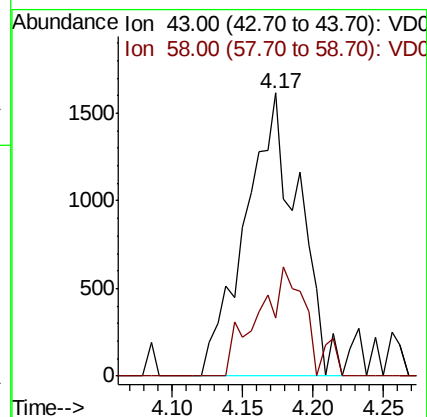
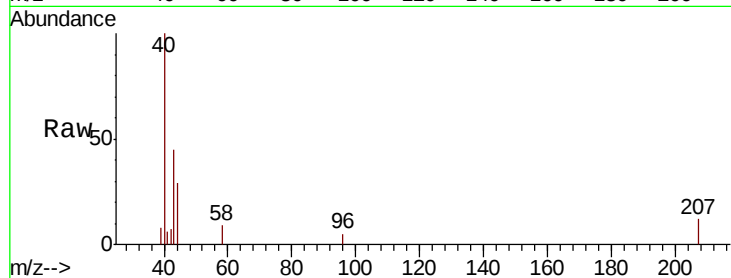
ClientSampleId :

Tot Ion: 43 Resp: 4285

Ion Ratio Lower Upper

43 100

58 20.5 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064826.D

Acq: 09 Jan 2020 19:51

Tgt Ion: 84 Resp: 11484

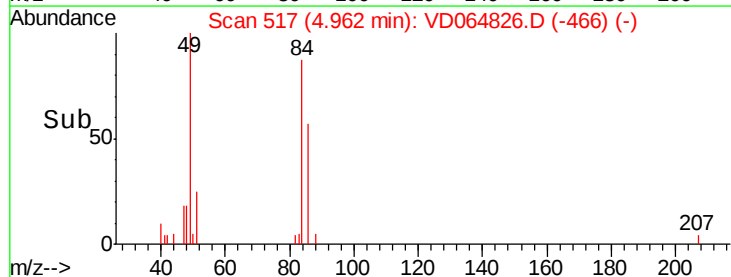
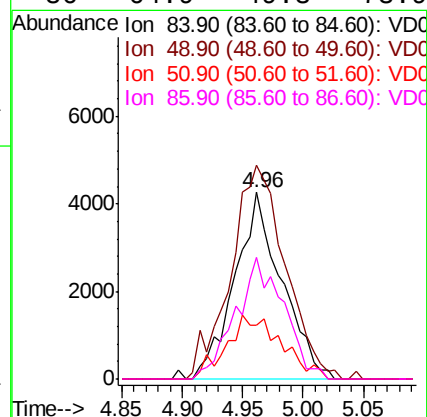
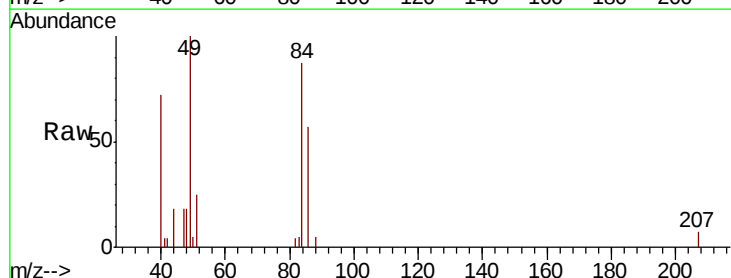
Ion Ratio Lower Upper

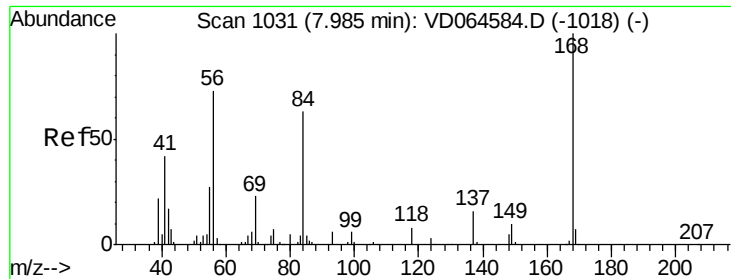
84 100

49 114.4 97.2 145.8

51 28.5 31.4 47.0#

86 64.9 49.3 73.9

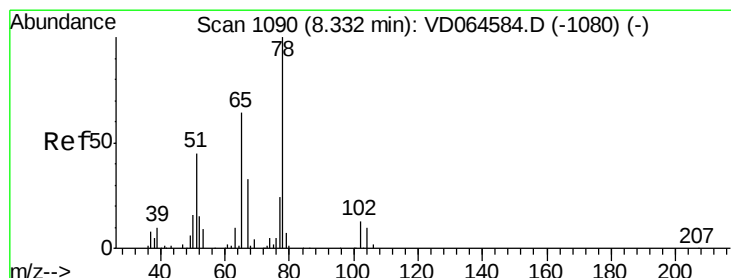
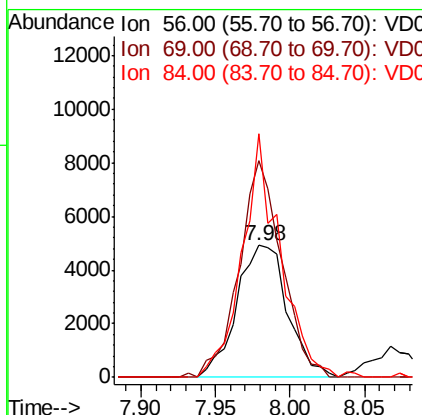
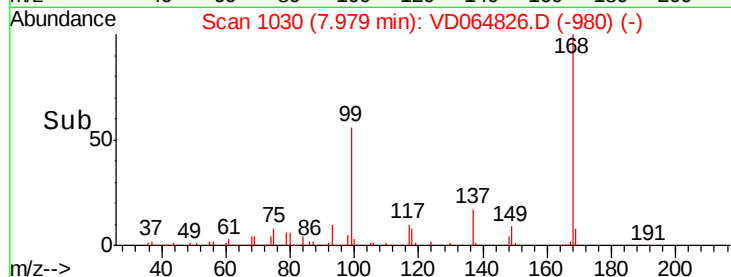
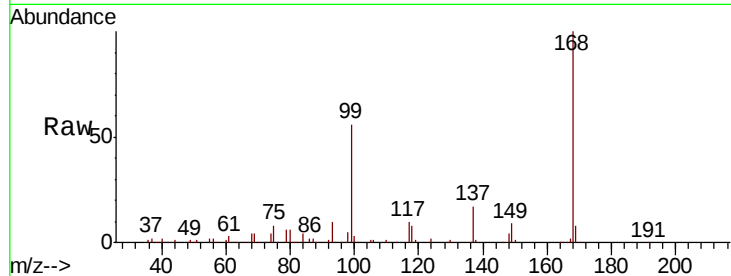




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064826.D
Acq: 09 Jan 2020 19:51

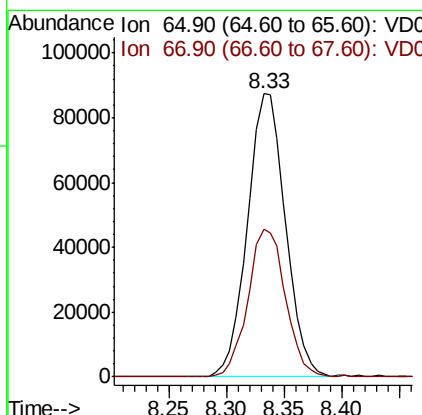
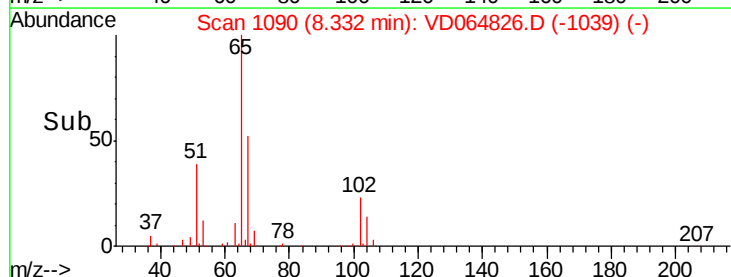
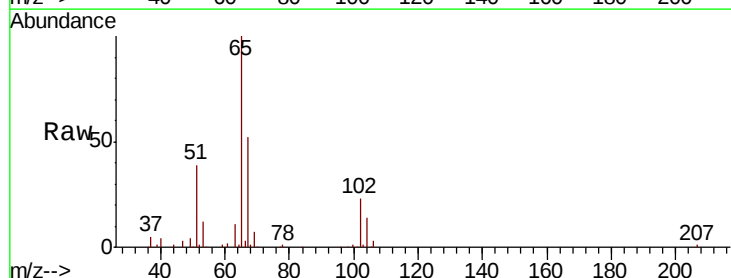
Instrument :
MSVOA_D
ClientSampleId :

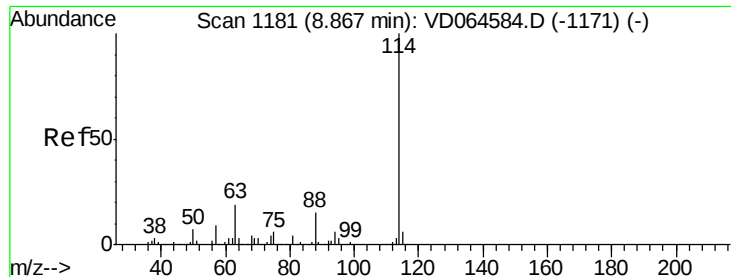
Tot Ion: 56 Resp: 11664
Ion Ratio Lower Upper
56 100
69 164.2 24.7 37.1#
84 184.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 48.601 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064826.D
Acq: 09 Jan 2020 19:51

Tgt Ion: 65 Resp: 200630
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

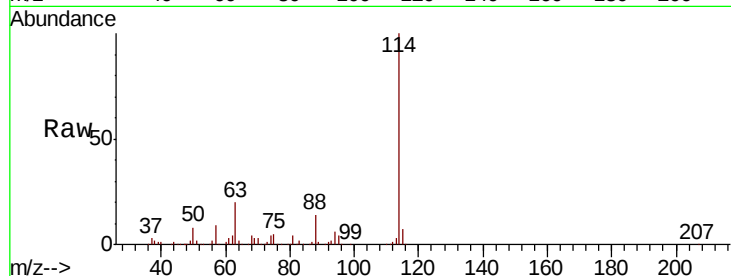




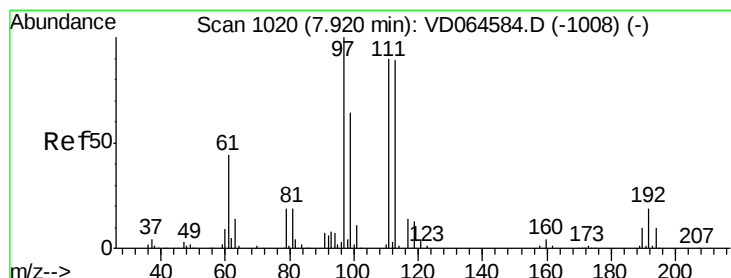
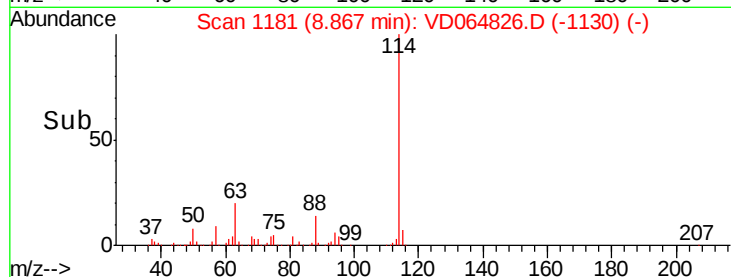
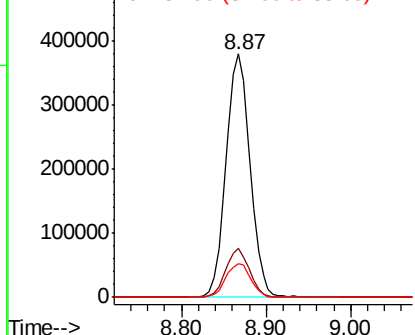
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064826.D
 Acq: 09 Jan 2020 19:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.0
88	14.0	0.0	29.2

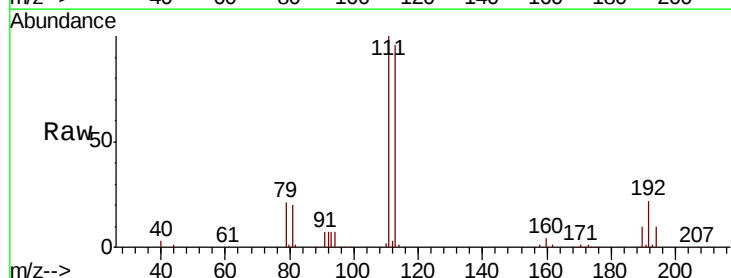


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

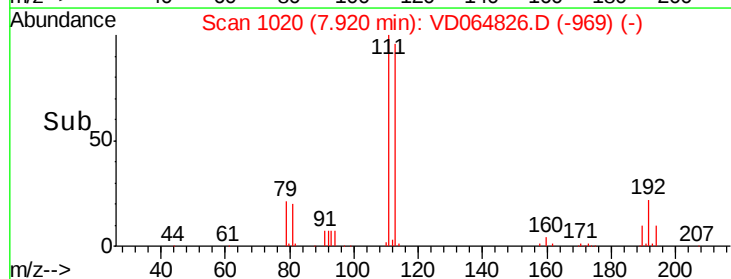
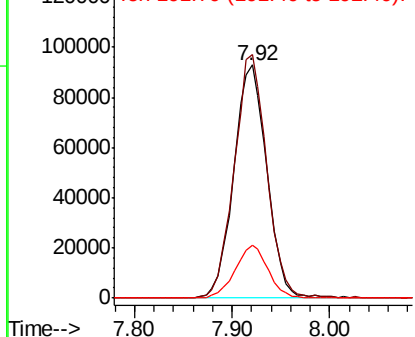


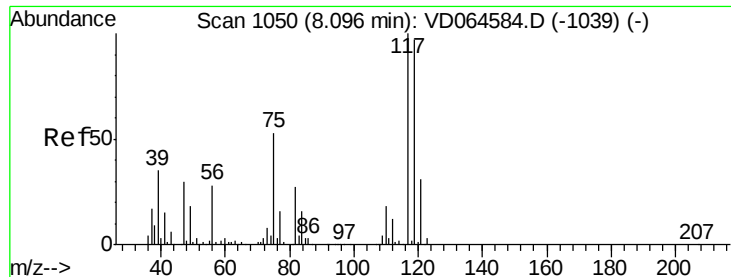
#35
 Dibromofluoromethane
 Concen: 48.045 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064826.D
 Acq: 09 Jan 2020 19:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	22.5	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





#38

Carbon Tetrachloride

Concen: 6.190 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064826.D

Acq: 09 Jan 2020 19:51

Instrument :

MSVOA_D

ClientSampled :

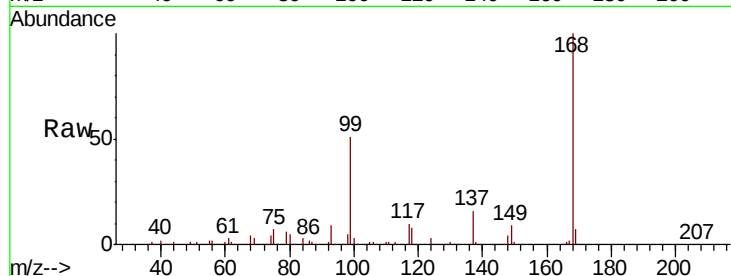
Tot Ion:117 Resp: 47375

Ion Ratio Lower Upper

117 100

119 2.9 77.3 115.9#

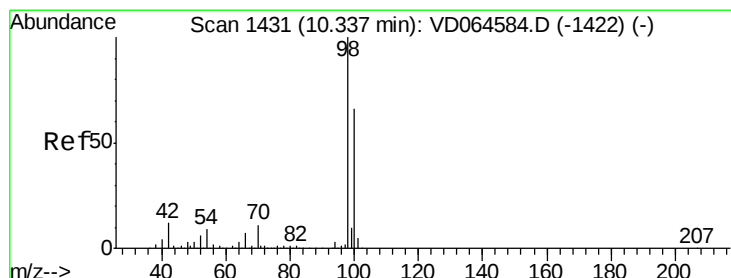
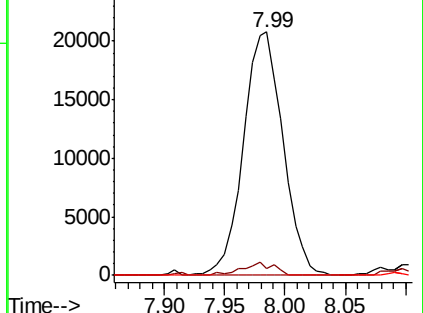
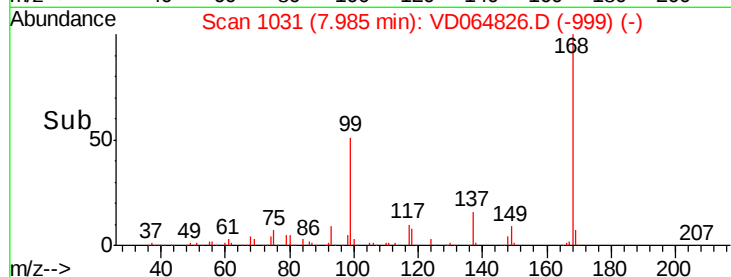
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 51.279 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064826.D

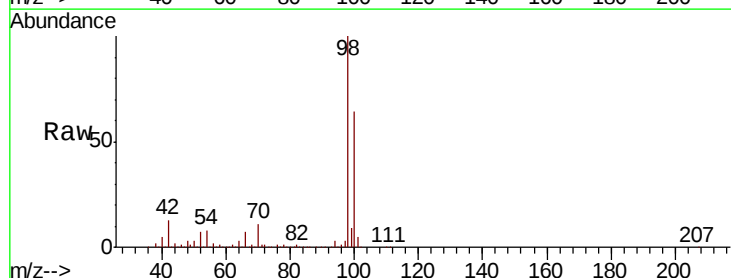
Acq: 09 Jan 2020 19:51

Tgt Ion: 98 Resp: 898485

Ion Ratio Lower Upper

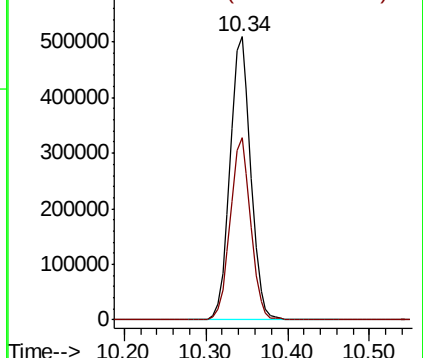
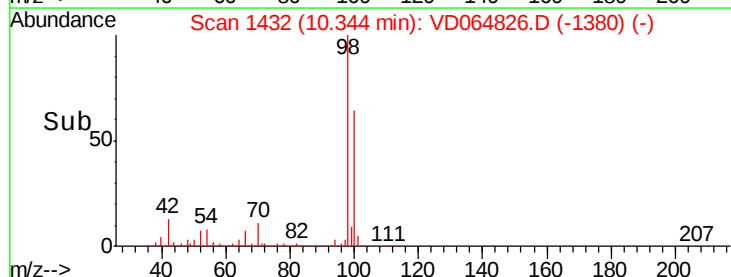
98 100

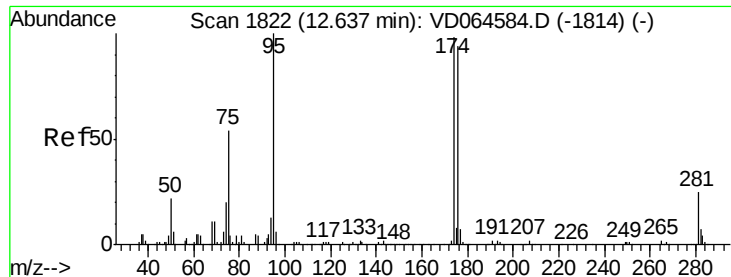
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

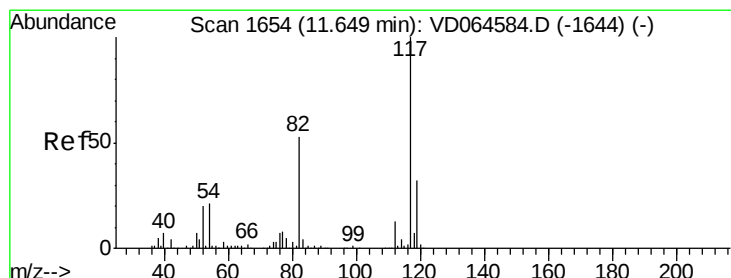
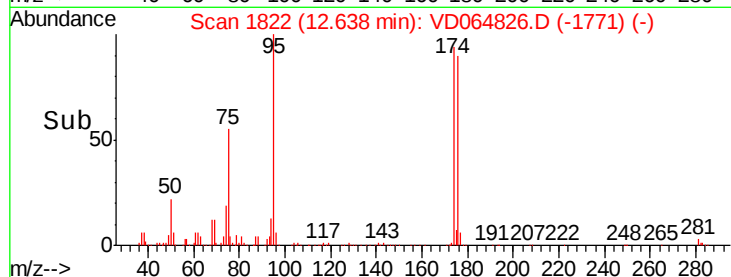
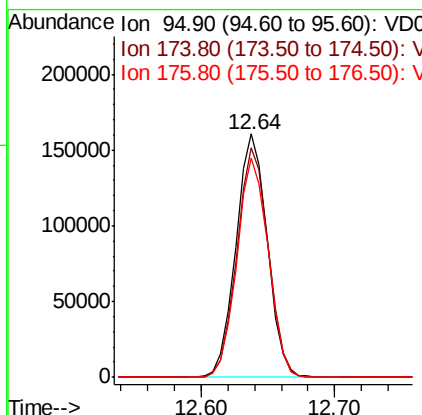
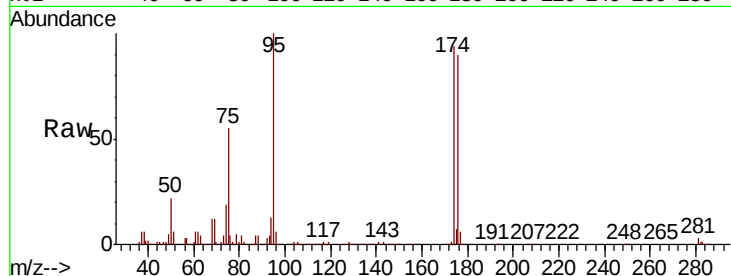




#62
4-Bromofluorobenzene
Concen: 46.972 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064826.D
Acq: 09 Jan 2020 19:51

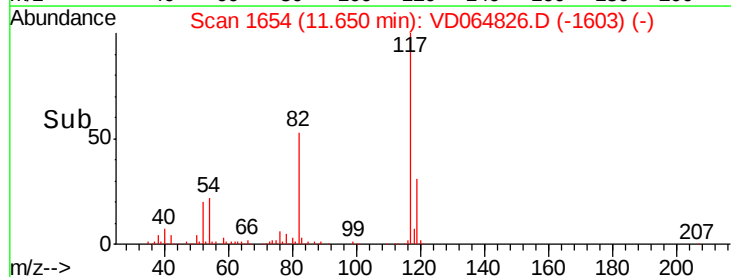
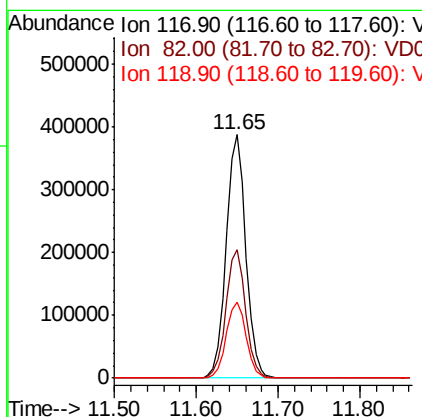
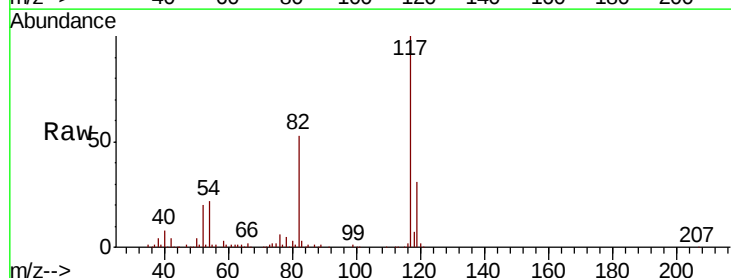
Instrument :
MSVOA_D
ClientSampleId :

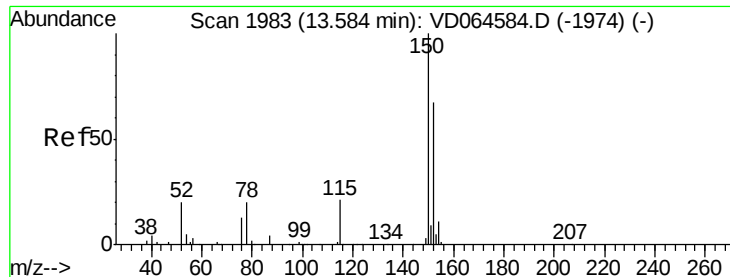
Tot Ion: 95 Resp: 260252
Ion Ratio Lower Upper
95 100
174 94.7 0.0 193.2
176 90.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064826.D
Acq: 09 Jan 2020 19:51

Tgt Ion: 117 Resp: 646923
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.4
119 31.0 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: VD064826.D

Acq: 09 Jan 2020 19:51

Instrument :

MSVOA_D

ClientSampleId :

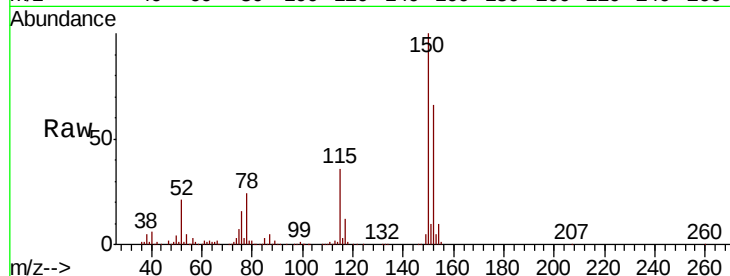
Tot Ion:152 Resp: 292207

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

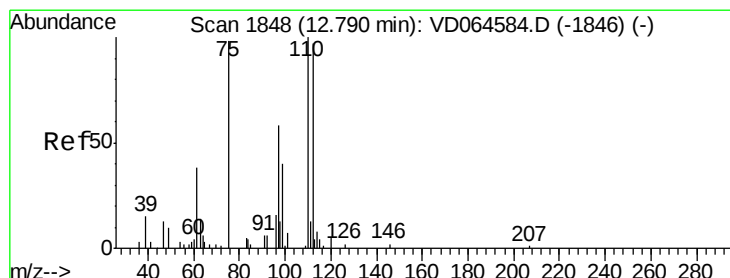
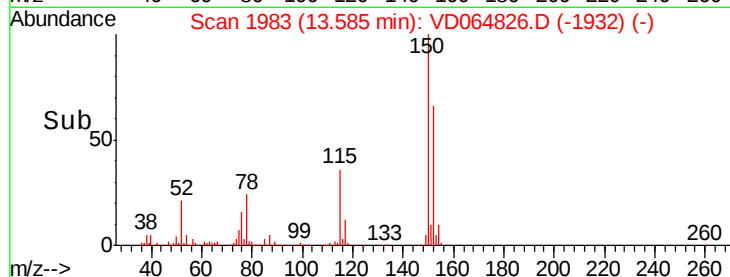
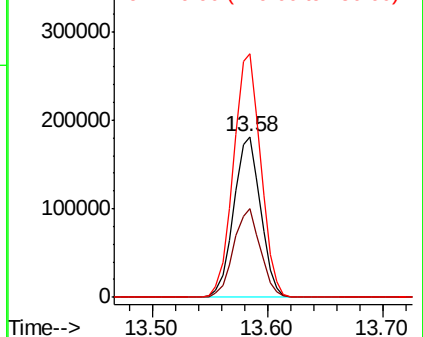
150 153.8 0.0 351.4



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: 61.998 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064826.D

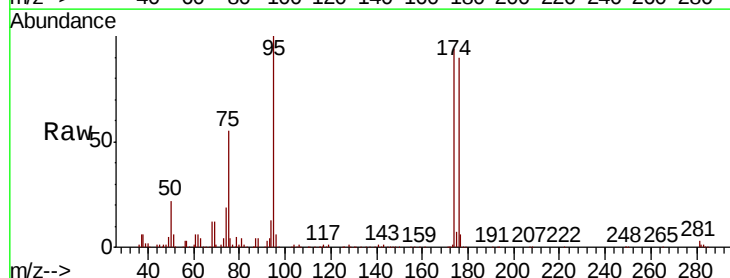
Acq: 09 Jan 2020 19:51

Tgt Ion: 75 Resp: 143056

Ion Ratio Lower Upper

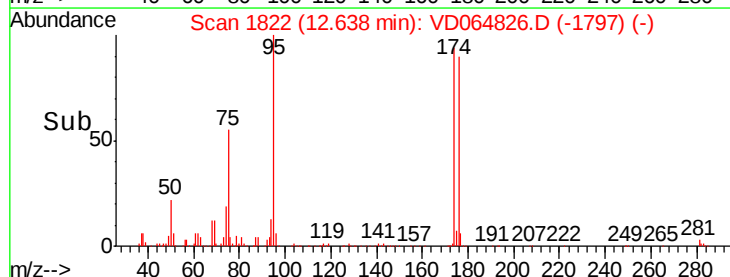
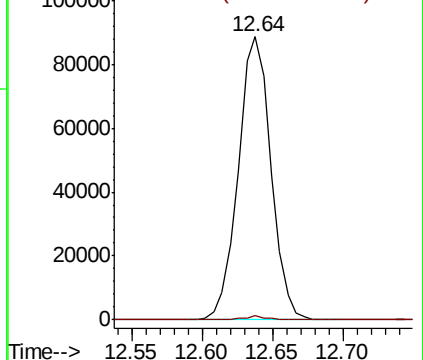
75 100

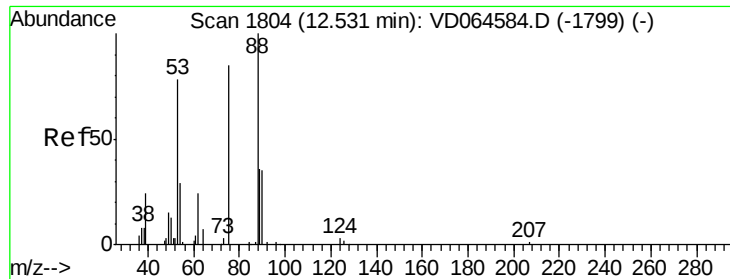
77 1.0 0.0 0.0#



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: 129.666 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064826.D

Acq: 09 Jan 2020 19:51

Instrument :

MSVOA_D

ClientSampleId :

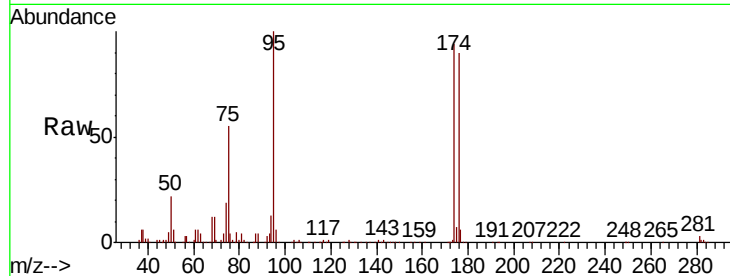
Tot Ion: 75 Resp: 143056

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

