

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064745.D
 Acq On : 03 Jan 2020 20:25
 Operator : VA/SY
 Sample : K6471-13
 Misc : 7.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:48:55 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

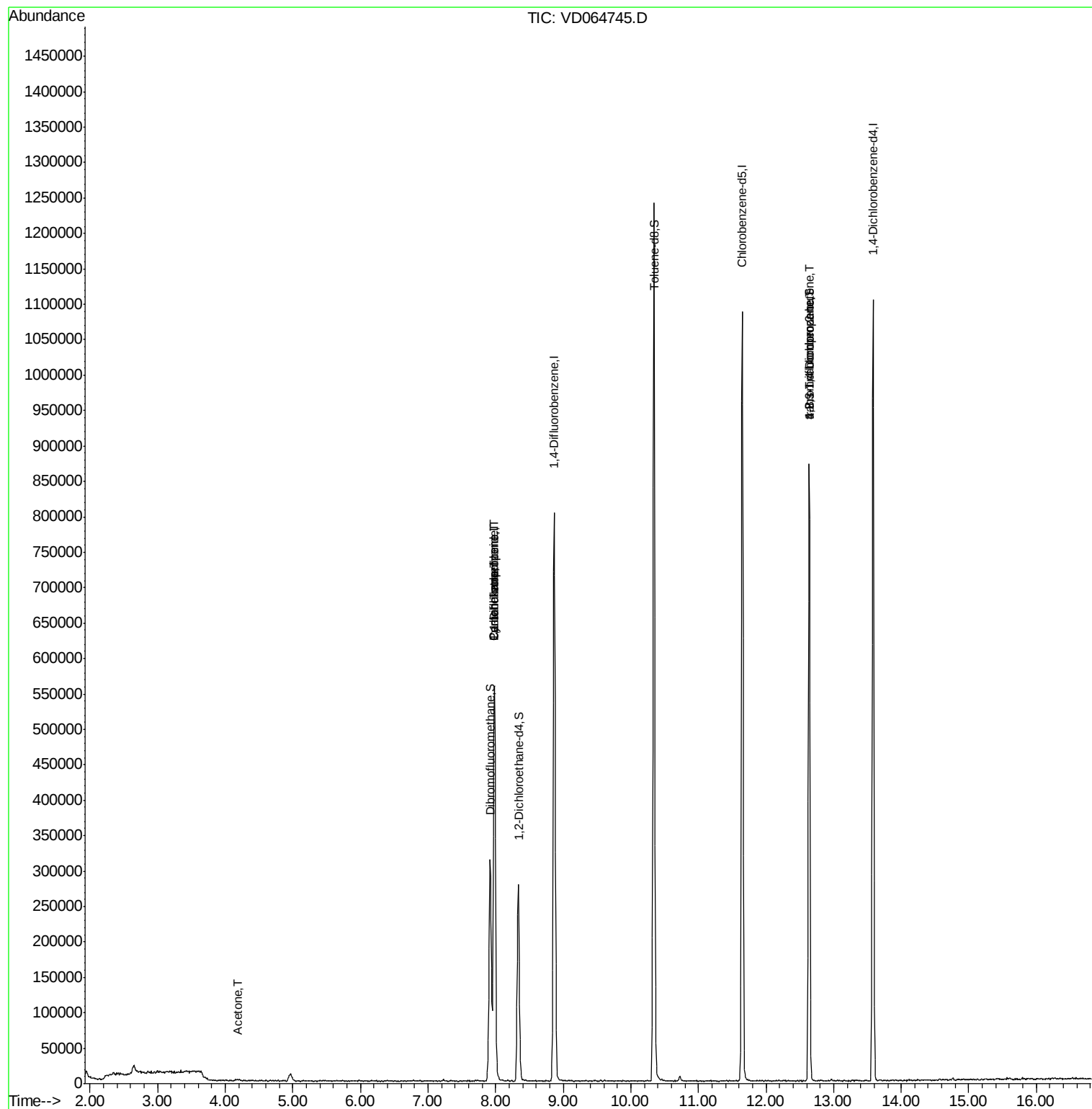
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	218870	56.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.10%	
35) Dibromofluoromethane	7.92	113	215759	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
50) Toluene-d8	10.34	98	825480	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.64	95	252049	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
Target Compounds						
16) Acetone	4.18	43	3383	7.810	ug/l	96
20) Methylene Chloride	4.96	84	7635	Below Cal		98
31) Cyclohexane	7.98	56	8859	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32037	4.885	ug/l #	49
38) Carbon Tetrachloride	7.98	117	40956	5.856	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	138180	59.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138180	124.734	ug/l #	10

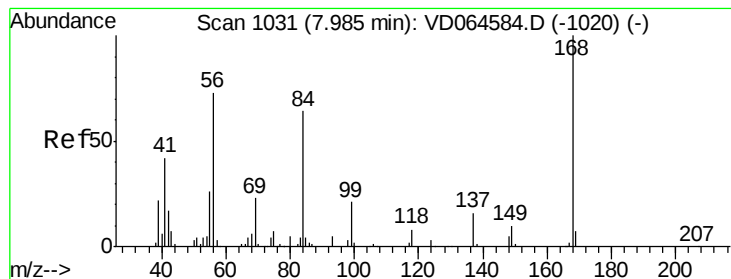
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 13:19:06 2019
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: VD064745.D

Acq: 03 Jan 2020 20:25

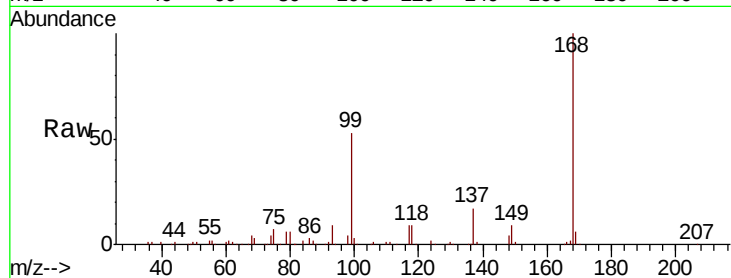
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 442803

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

7.98

200000

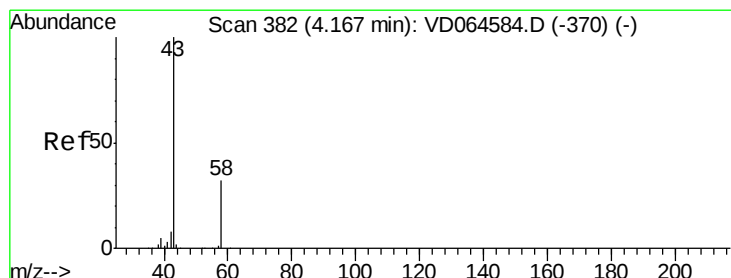
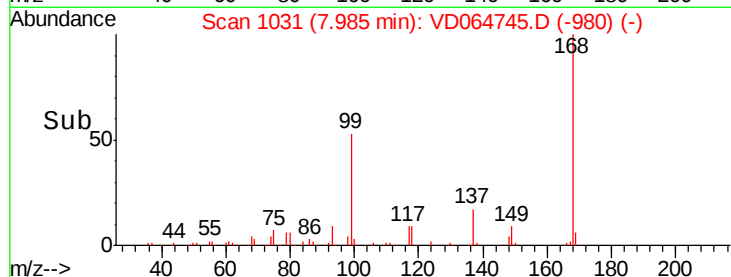
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.810 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064745.D

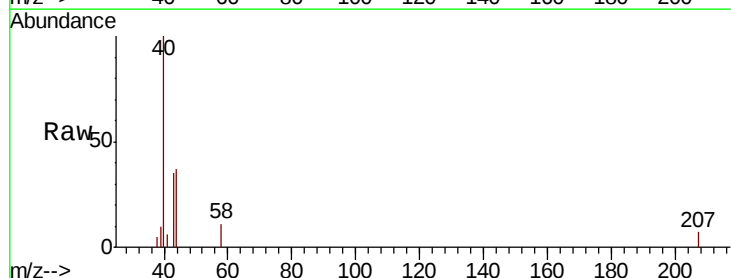
Acq: 03 Jan 2020 20:25

Tgt Ion: 43 Resp: 3383

Ion Ratio Lower Upper

43 100

58 30.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

1200

1000

800

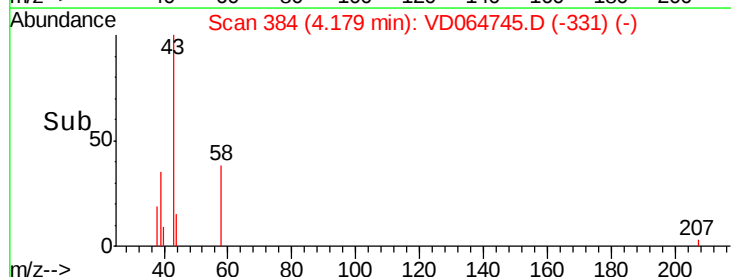
600

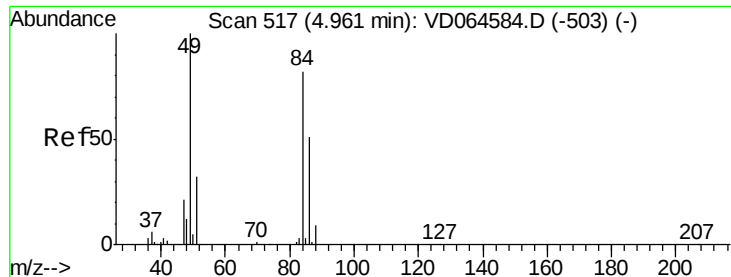
400

200

0

Time-->

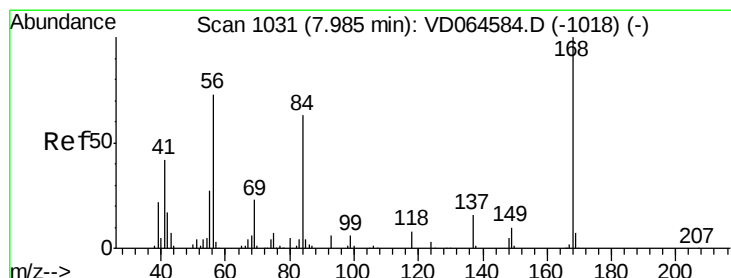
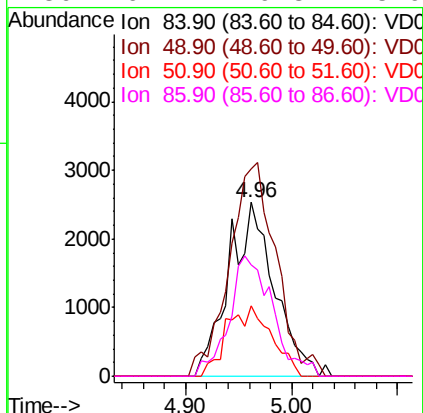
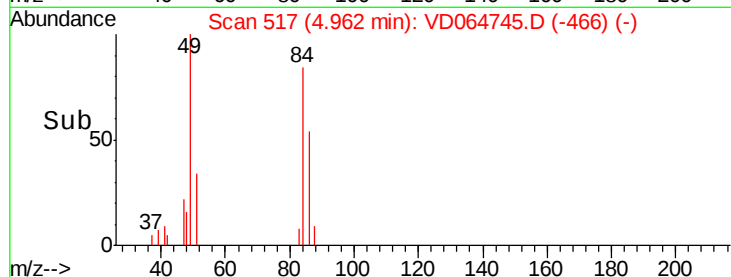
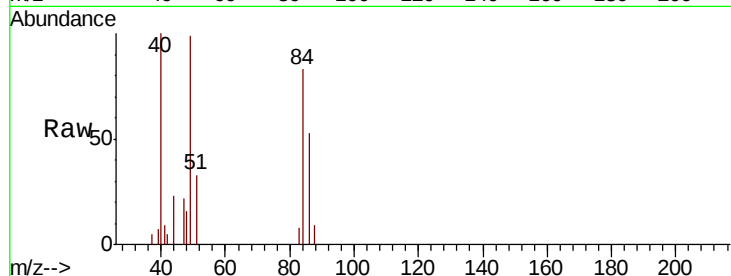




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064745.D
Acq: 03 Jan 2020 20:25

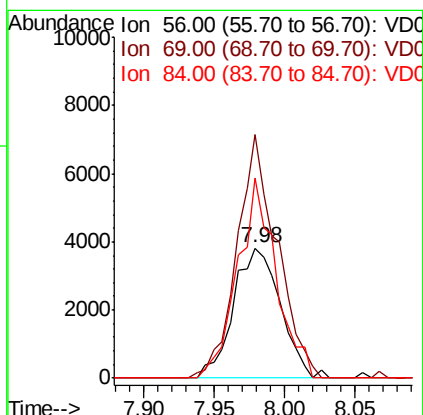
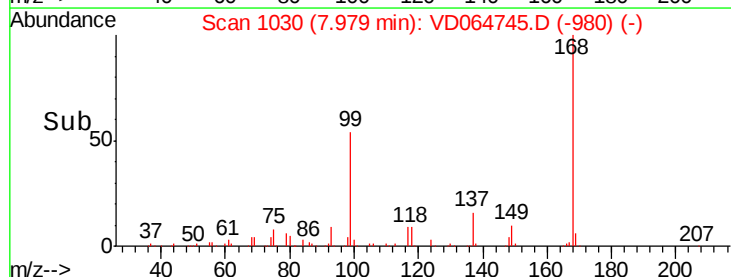
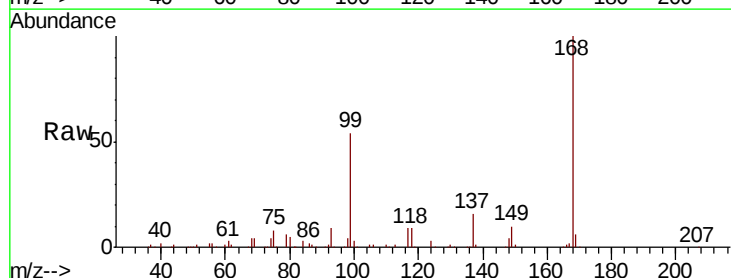
Instrument :
MSVOA_D
ClientSampled :

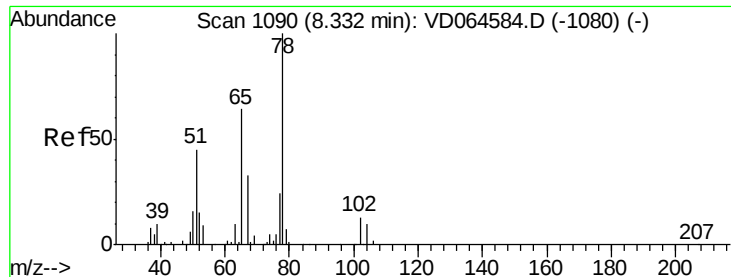
Tot Ion: 84 Resp: 7635
Ion Ratio Lower Upper
84 100
49 119.4 97.2 145.8
51 40.5 31.4 47.0
86 64.1 49.3 73.9



#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064745.D
Acq: 03 Jan 2020 20:25

Tgt Ion: 56 Resp: 8859
Ion Ratio Lower Upper
56 100
69 186.9 24.7 37.1#
84 153.4 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 56.055 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064745.D

Acq: 03 Jan 2020 20:25

Instrument :

MSVOA_D

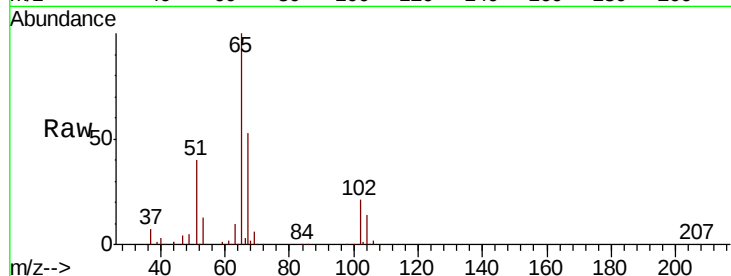
ClientSampled :

Tot Ion: 65 Resp: 218870

Ion Ratio Lower Upper

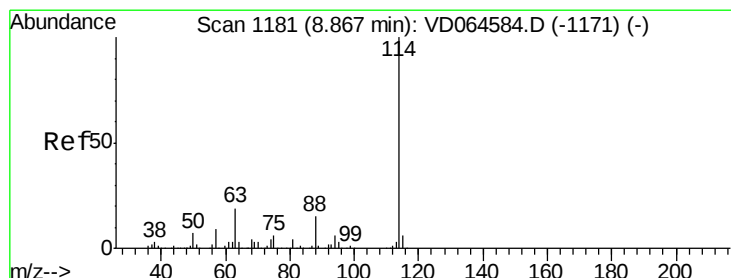
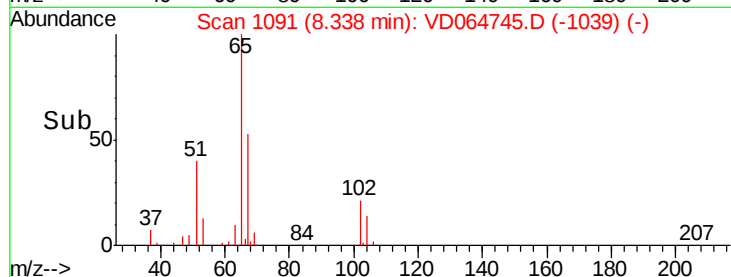
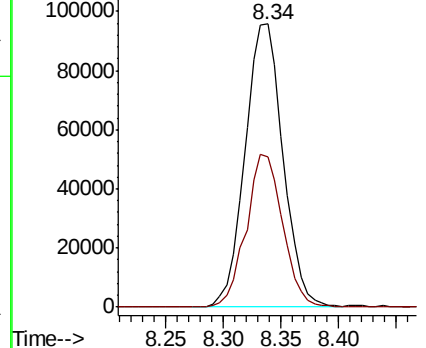
65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064745.D

Acq: 03 Jan 2020 20:25

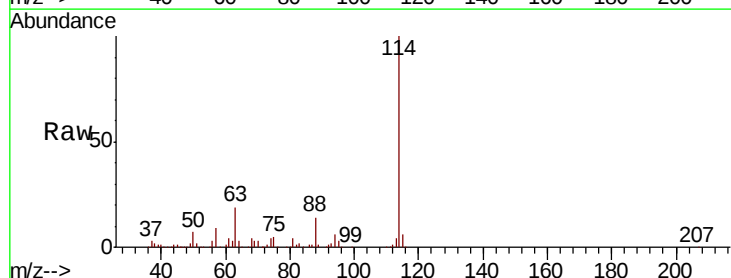
Tgt Ion: 114 Resp: 681413

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.0

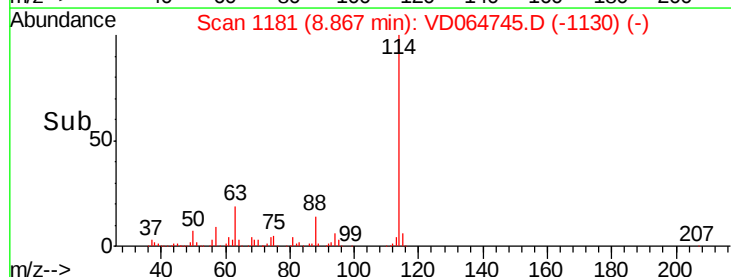
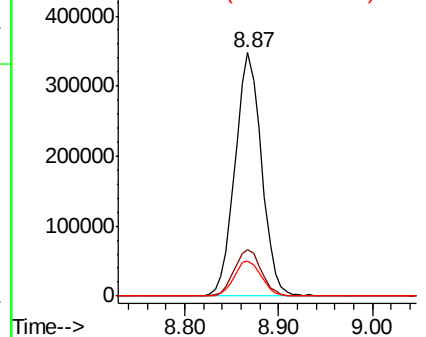
88 14.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

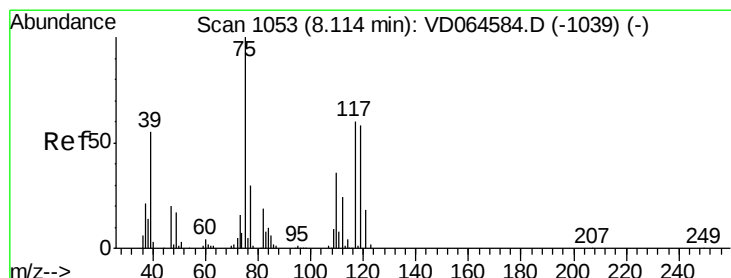
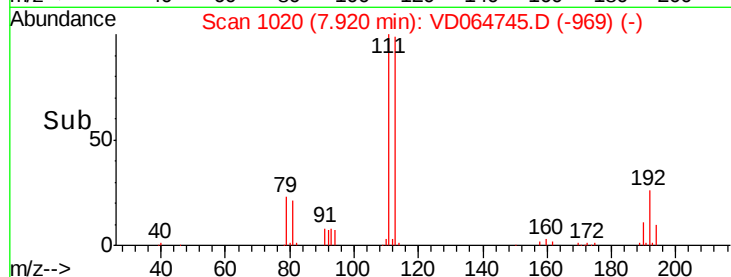
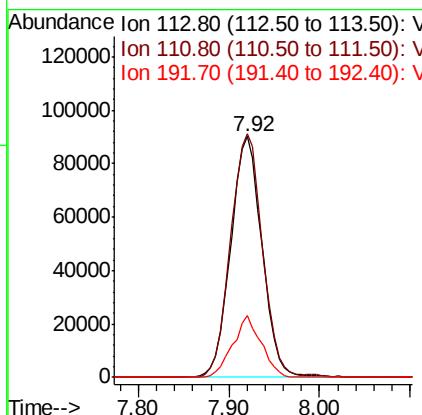
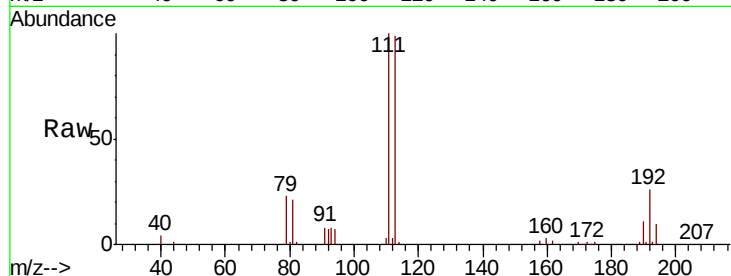




#35
 Dibromofluoromethane
 Concen: 51.610 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064745.D
 Acq: 03 Jan 2020 20:25

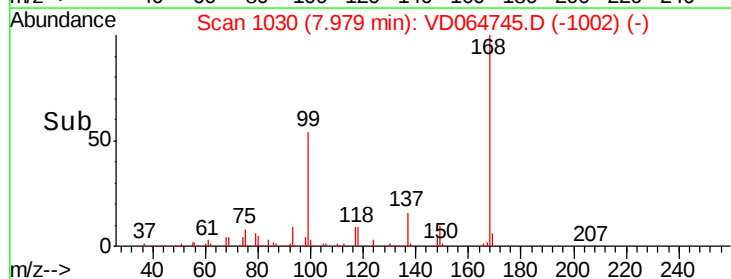
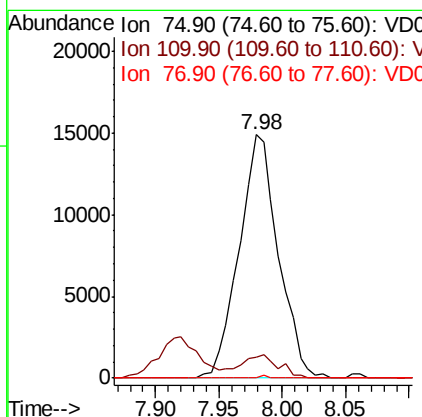
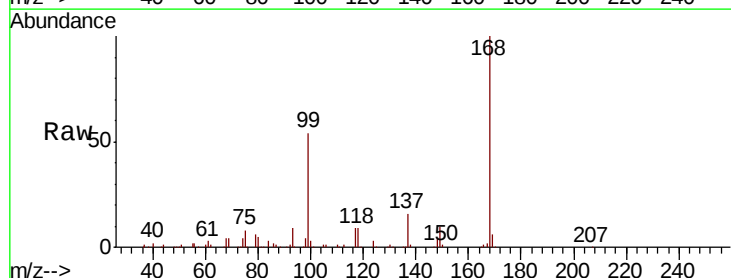
Instrument :
 MSVOA_D
 ClientSampleId :

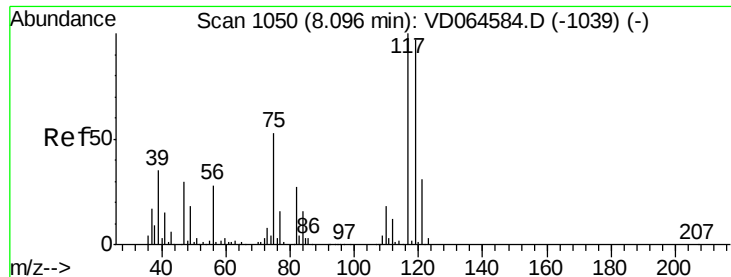
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	23.5	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064745.D
 Acq: 03 Jan 2020 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.1#
77	0.2	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064745.D

Acq: 03 Jan 2020 20:25

Instrument :

MSVOA_D

ClientSampled :

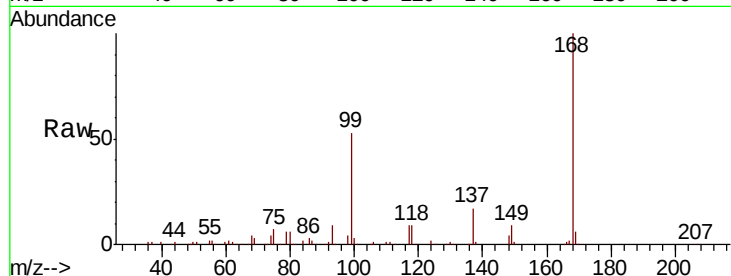
Tot Ion:117 Resp: 40956

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

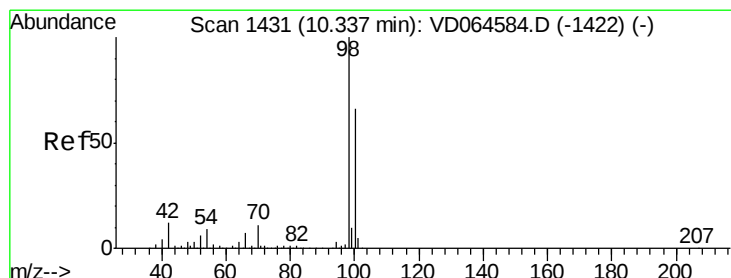
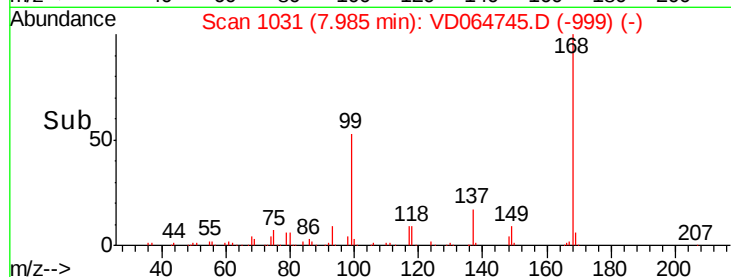
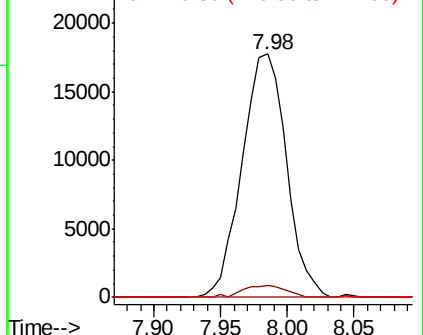
121 0.0 25.0 37.6#



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: 51.556 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064745.D

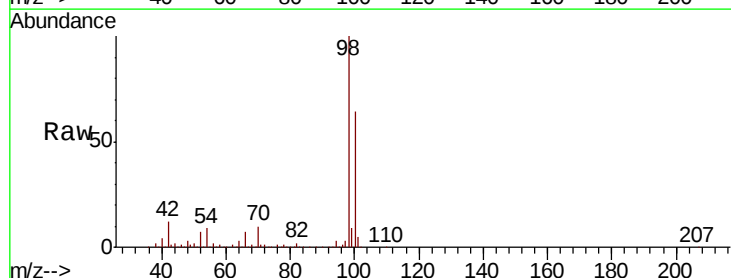
Acq: 03 Jan 2020 20:25

Tgt Ion: 98 Resp: 825480

Ion Ratio Lower Upper

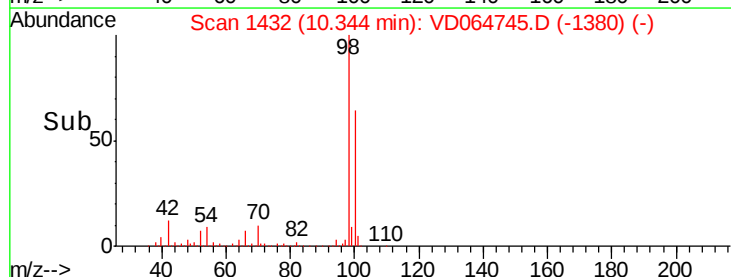
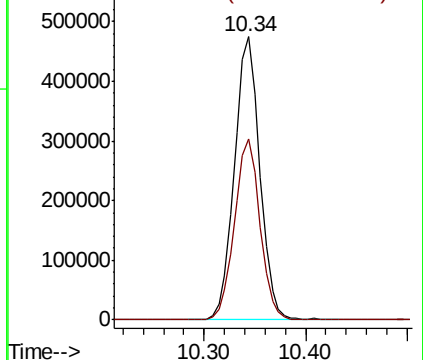
98 100

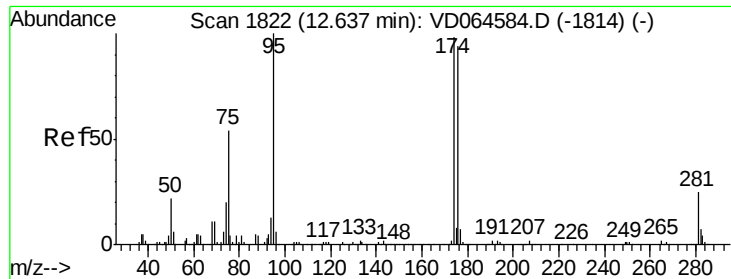
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

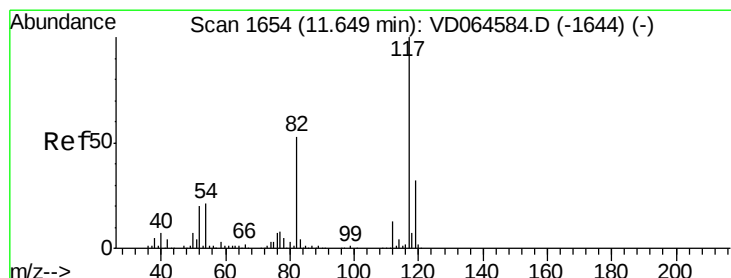
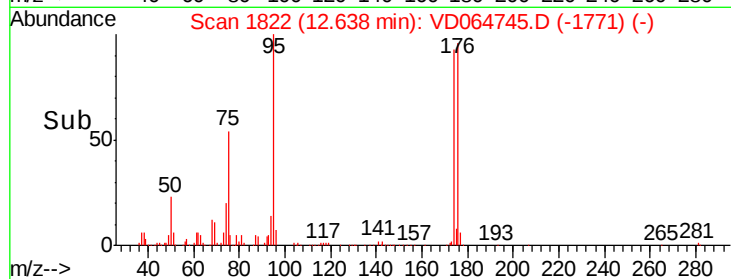
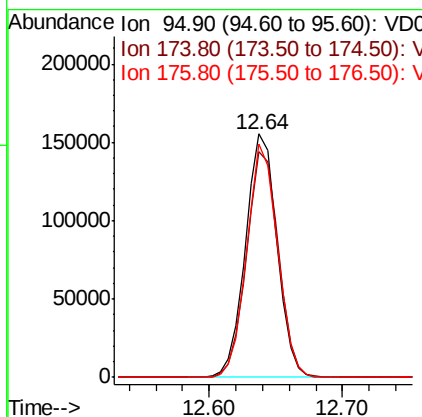
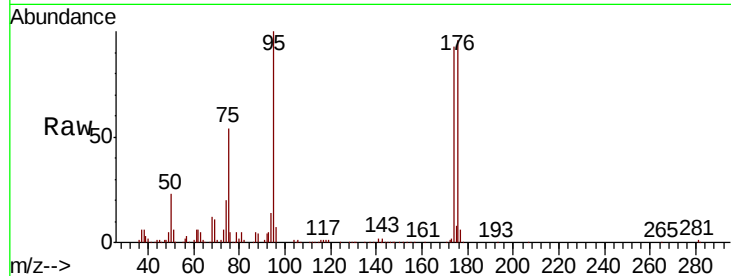




#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064745.D
Acq: 03 Jan 2020 20:25

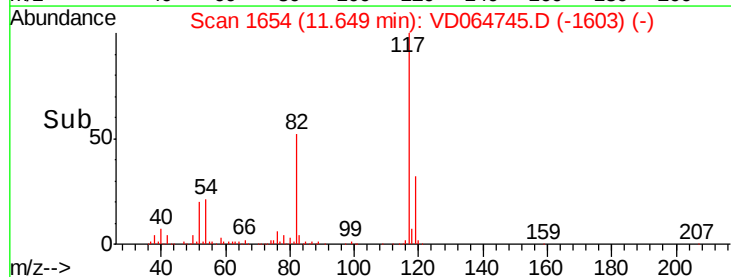
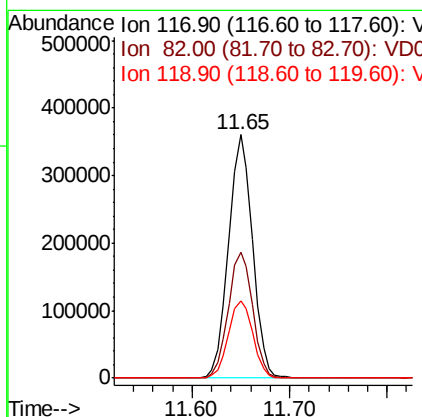
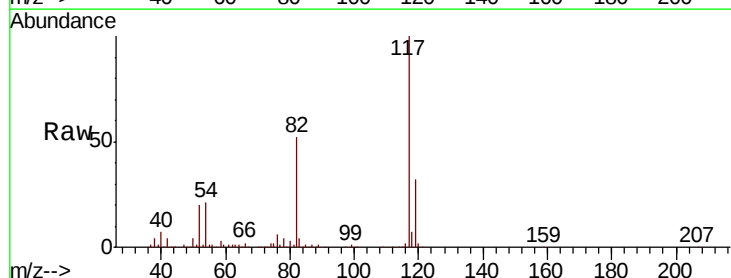
Instrument :
MSVOA_D
ClientSampled :

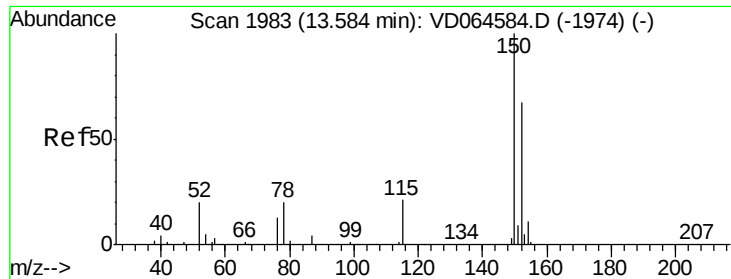
Tot Ion: 95 Resp: 252049
Ion Ratio Lower Upper
95 100
174 94.3 0.0 193.2
176 93.6 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064745.D
Acq: 03 Jan 2020 20:25

Tgt Ion: 117 Resp: 616126
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.4
119 31.9 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: VD064745.D

Acq: 03 Jan 2020 20:25

Instrument :

MSVOA_D

ClientSampleId :

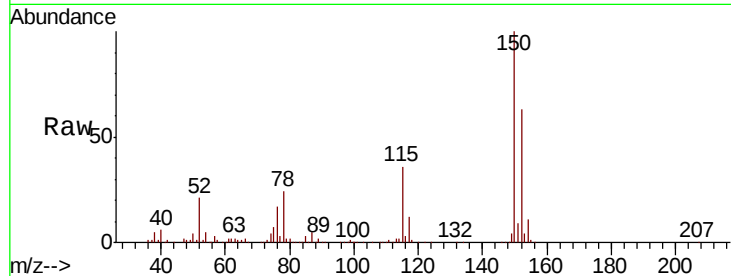
Tot Ion:152 Resp: 293407

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

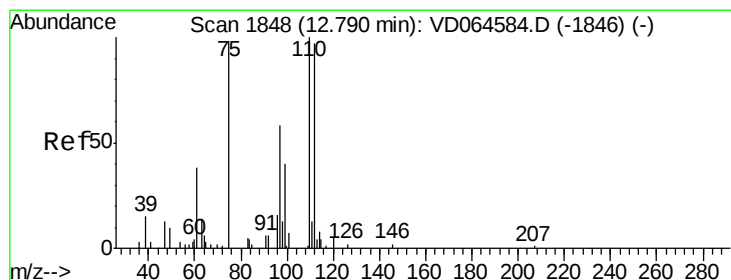
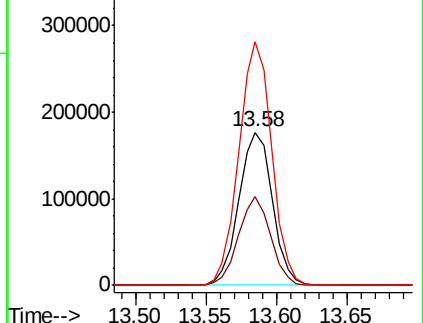
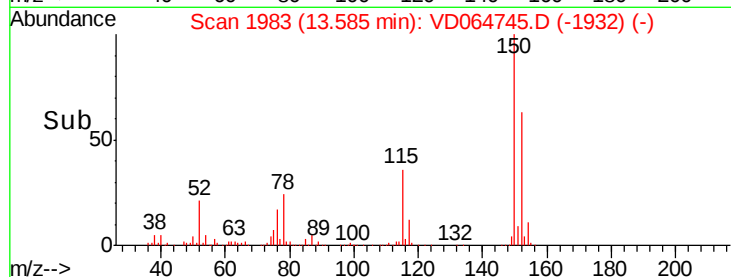
150 156.3 0.0 351.4



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: 59.639 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064745.D

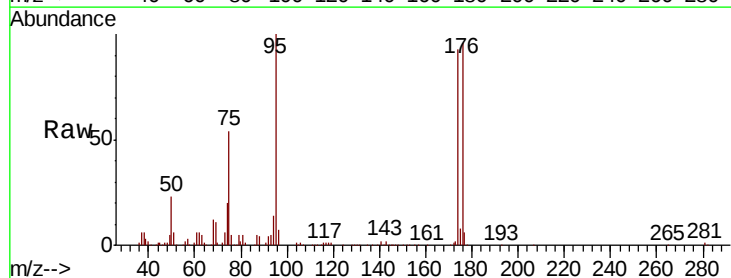
Acq: 03 Jan 2020 20:25

Tgt Ion: 75 Resp: 138180

Ion Ratio Lower Upper

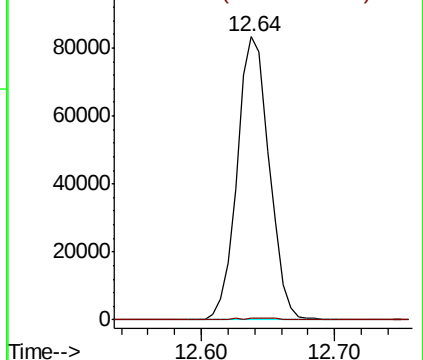
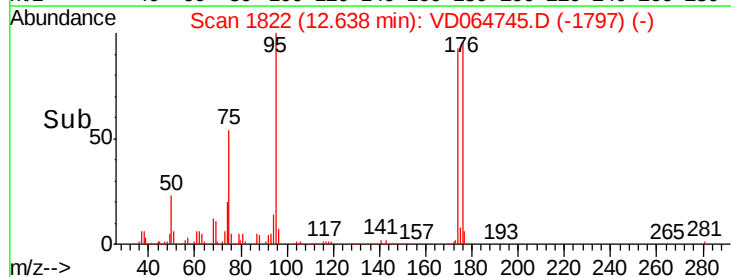
75 100

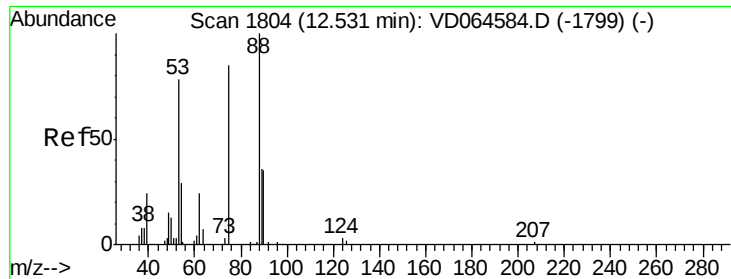
77 1.1 0.0 0.0#



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: 124.734 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064745.D

Acq: 03 Jan 2020 20:25

Instrument :

MSVOA_D

ClientSampleId :

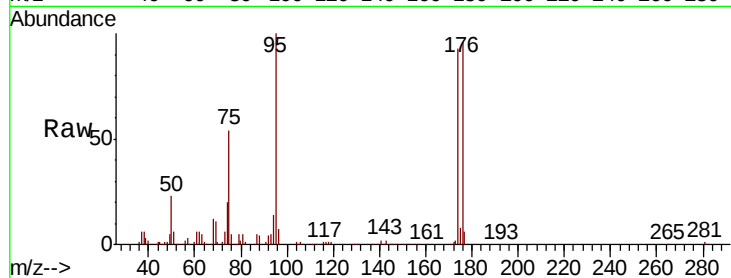
Tot Ion: 75 Resp: 138180

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

