

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064743.D
 Acq On : 03 Jan 2020 19:27
 Operator : VA/SY
 Sample : K6471-09
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:48:36 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

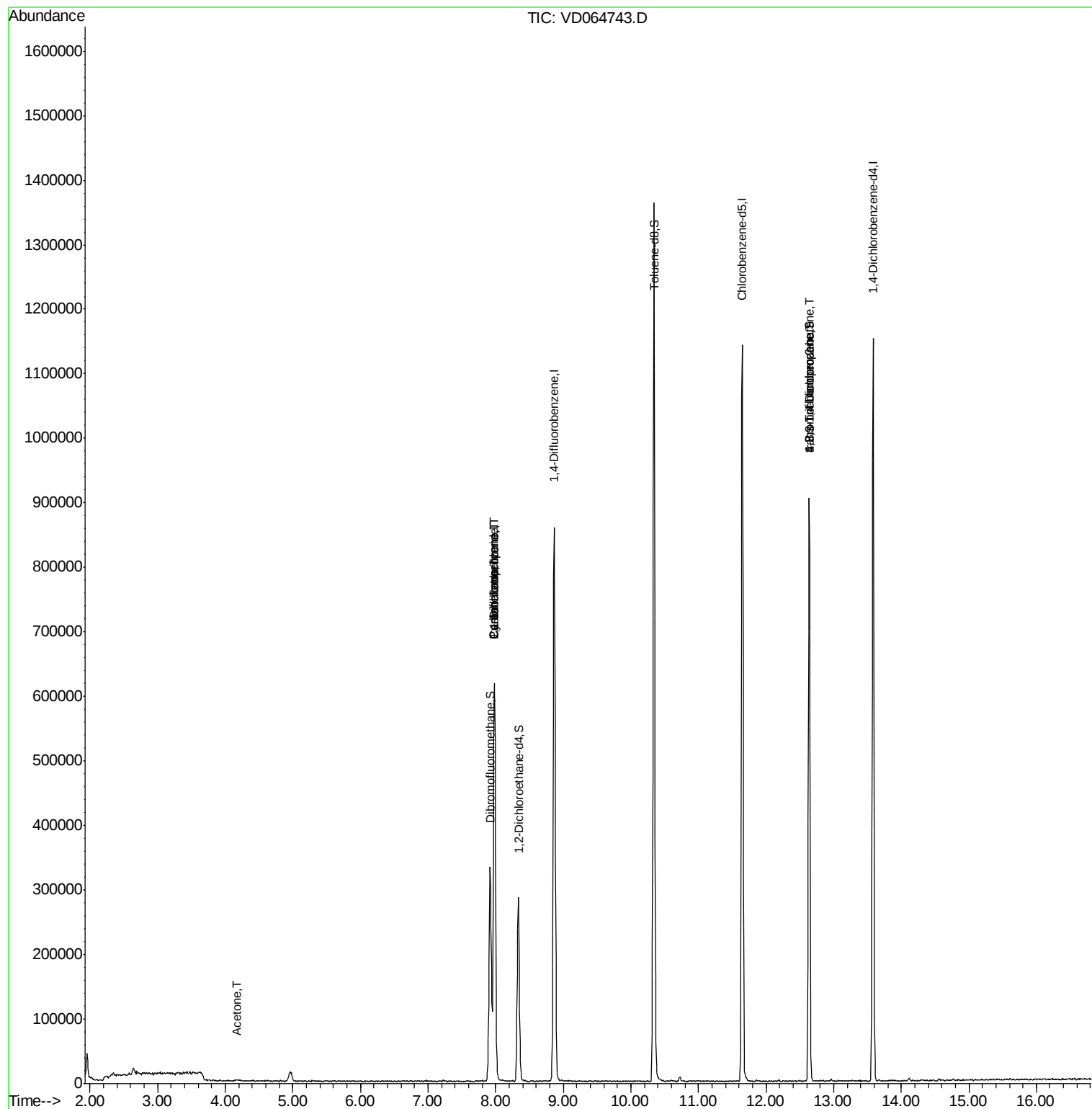
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	476141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	739015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	223895	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
35) Dibromofluoromethane	7.92	113	226585	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.34	98	888053	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.64	95	264543	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
Target Compounds						
16) Acetone	4.17	43	3254	7.429	ug/l	99
20) Methylene Chloride	4.96	84	11766	Below Cal	#	92
31) Cyclohexane	7.98	56	9880	1.262	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	34120	4.797	ug/l #	50
38) Carbon Tetrachloride	7.98	117	44537	5.872	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	140810	59.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	140810	124.889	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: VD064743.D

Acq: 03 Jan 2020 19:27

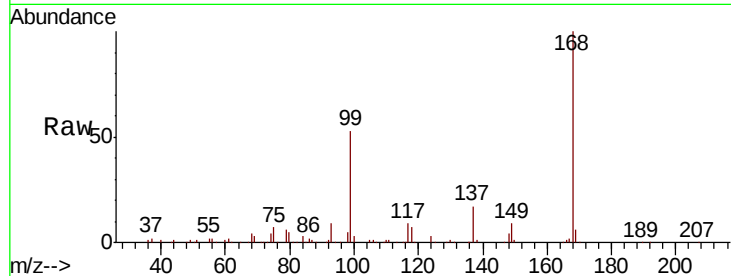
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 476141

Ion Ratio Lower Upper

168 100

99 52.9 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

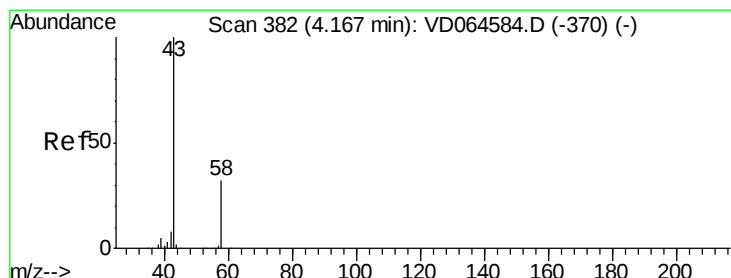
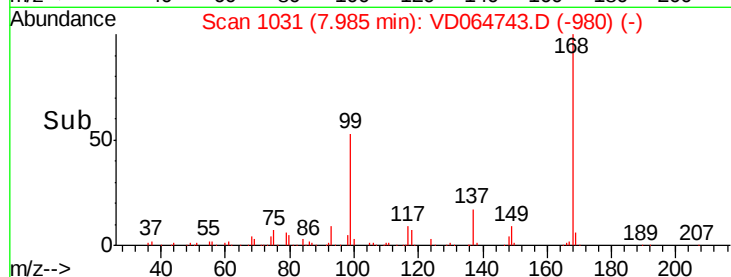
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 7.429 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064743.D

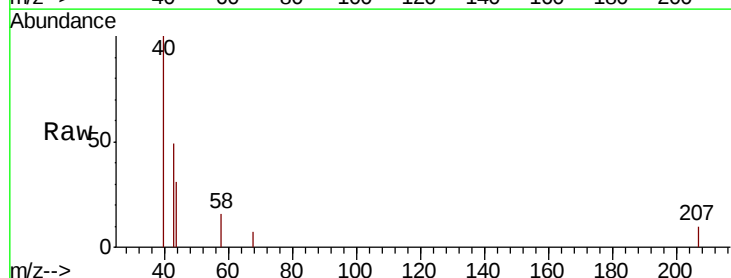
Acq: 03 Jan 2020 19:27

Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

43 100

58 31.6 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

1500

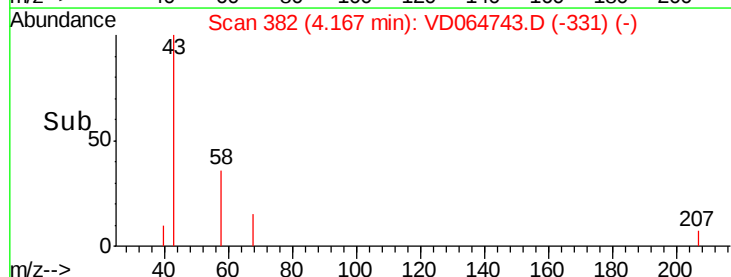
1000

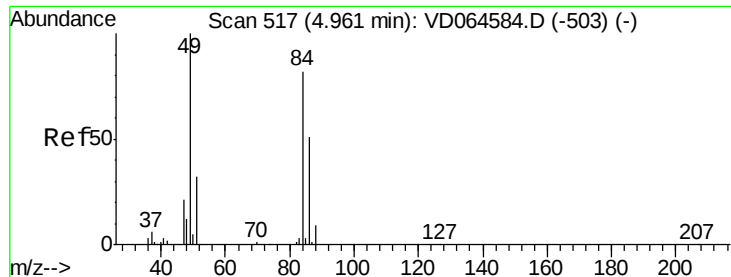
500

0

Time-->

4.10 4.15 4.20 4.25

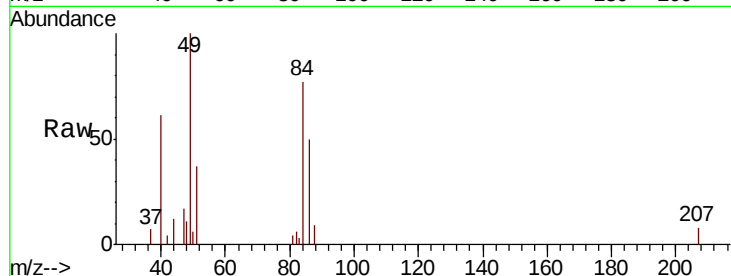




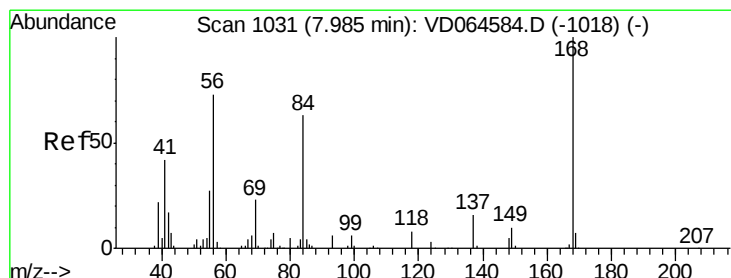
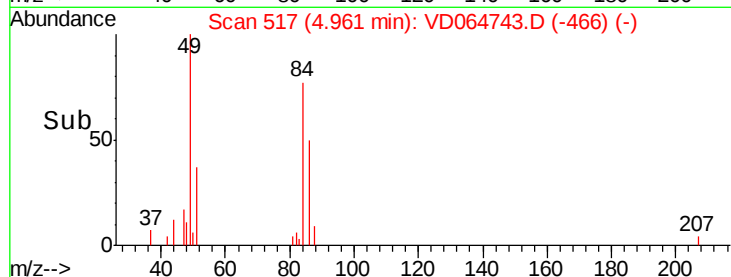
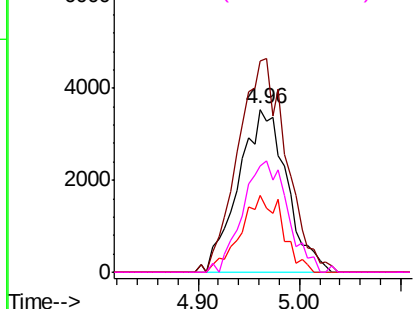
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064743.D
Acq: 03 Jan 2020 19:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 11766
Ion Ratio Lower Upper
84 100
49 129.6 97.2 145.8
51 47.6 31.4 47.0#
86 65.3 49.3 73.9

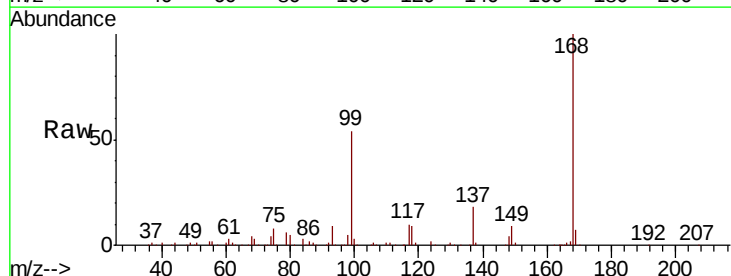


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

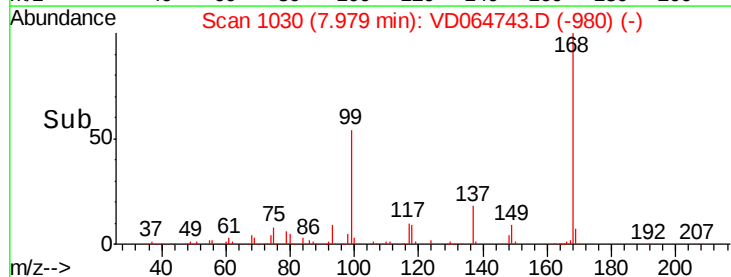
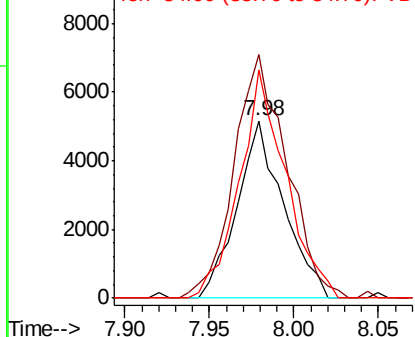


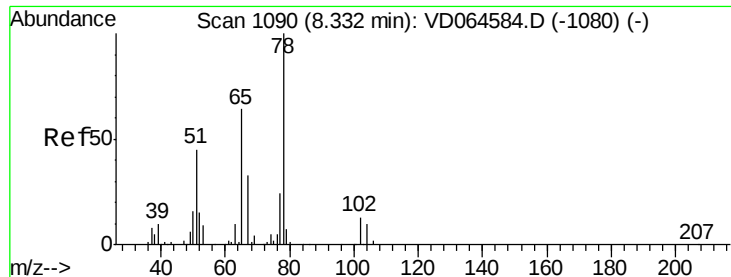
#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064743.D
Acq: 03 Jan 2020 19:27

Tgt Ion: 56 Resp: 9880
Ion Ratio Lower Upper
56 100
69 134.1 24.7 37.1#
84 132.8 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

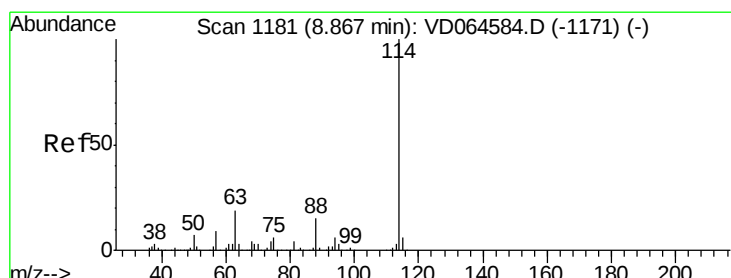
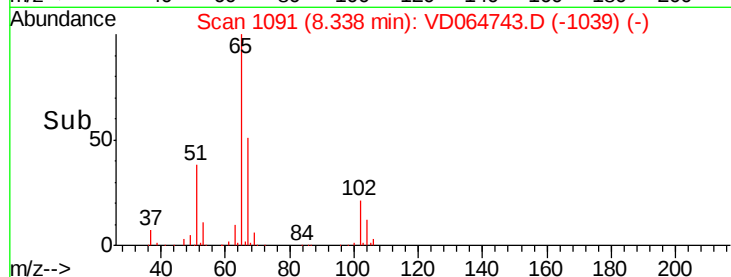
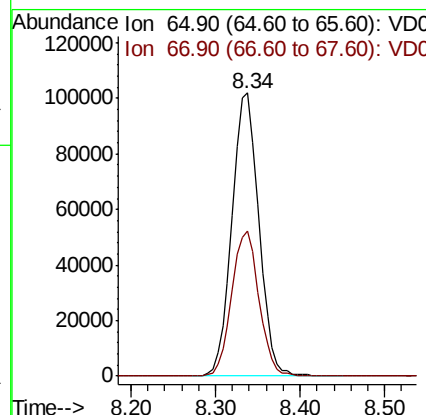
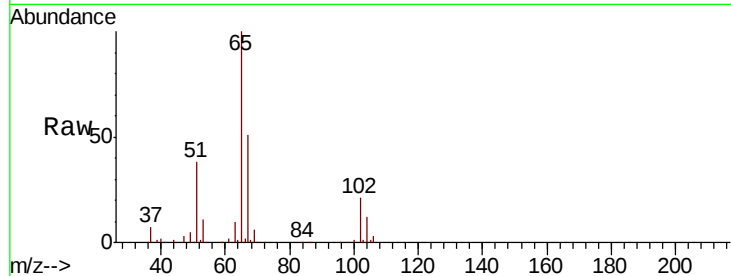




#33
 1,2-Dichloroethane-d4
 Concen: 53.327 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064743.D
 Acq: 03 Jan 2020 19:27

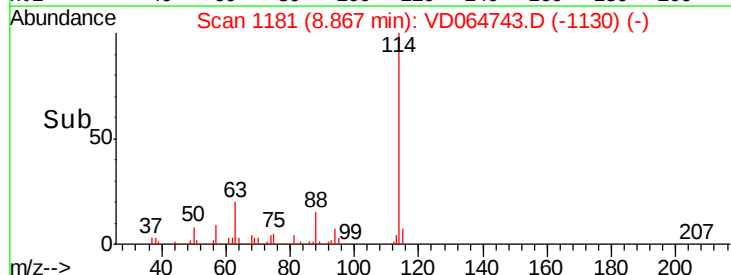
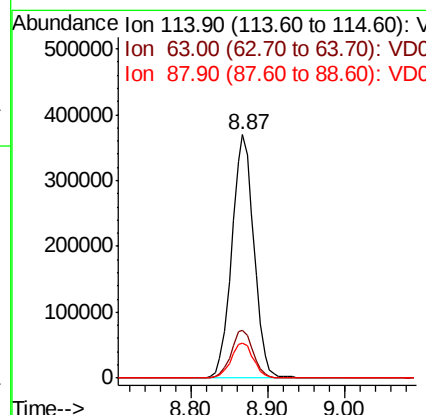
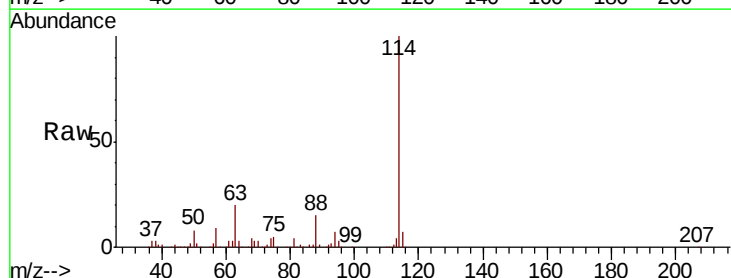
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 223895
 Ion Ratio Lower Upper
 65 100
 67 51.9 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: VD064743.D
 Acq: 03 Jan 2020 19:27

Tgt Ion: 114 Resp: 739015
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.0
 88 14.6 0.0 29.2

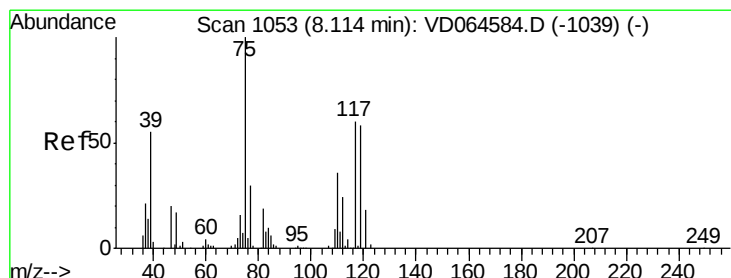
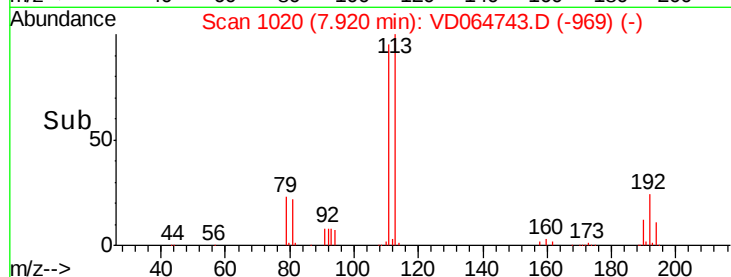
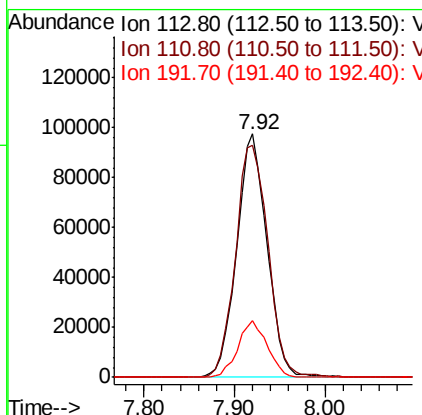
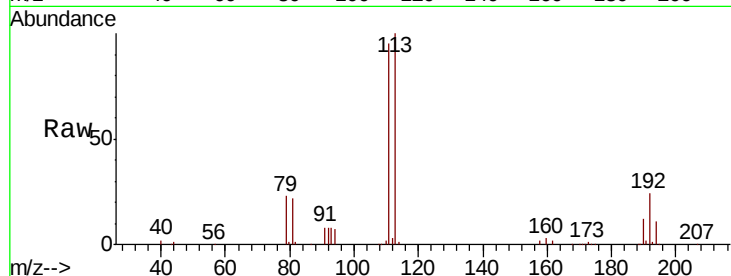




#35
 Dibromofluoromethane
 Concen: 49.975 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064743.D
 Acq: 03 Jan 2020 19:27

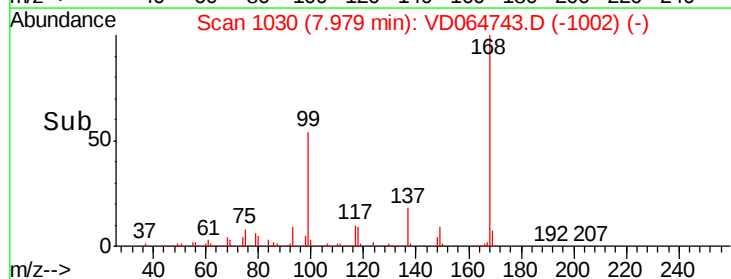
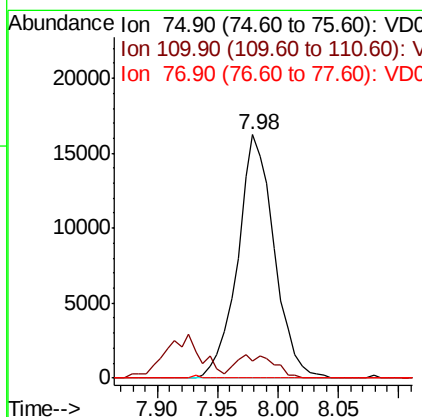
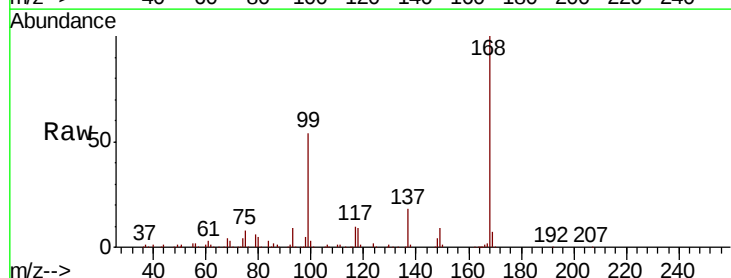
Instrument :
 MSVOA_D
 ClientSampleId :

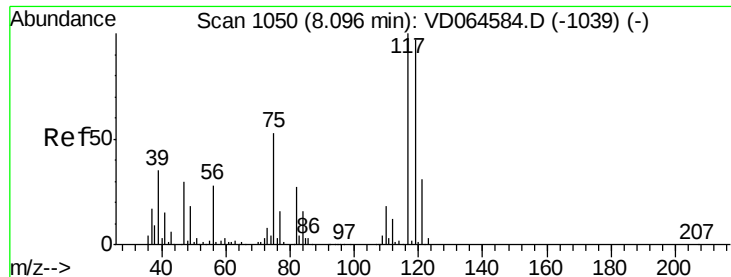
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	121.0
192	22.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064743.D
 Acq: 03 Jan 2020 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.872 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064743.D

Acq: 03 Jan 2020 19:27

Instrument :

MSVOA_D

ClientSampleId :

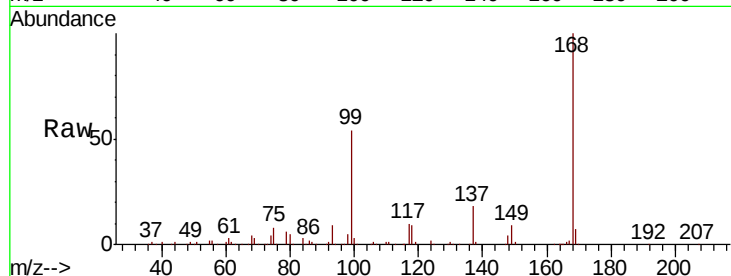
Tot Ion:117 Resp: 44537

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

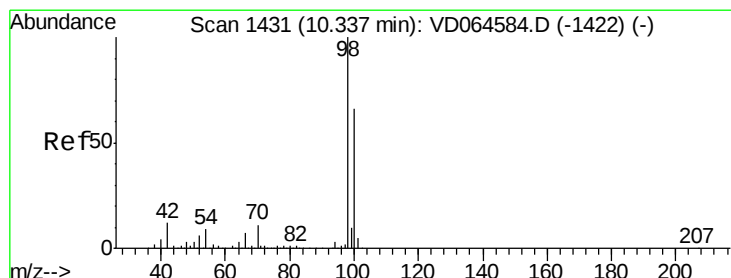
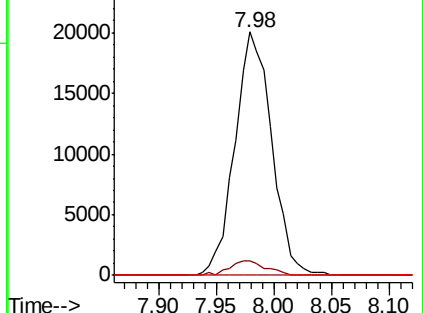
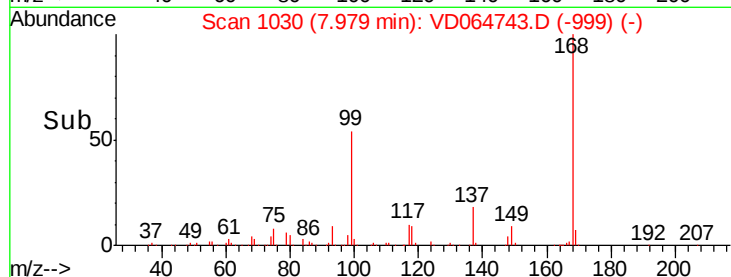
121 0.0 25.0 37.6#



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: 51.141 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064743.D

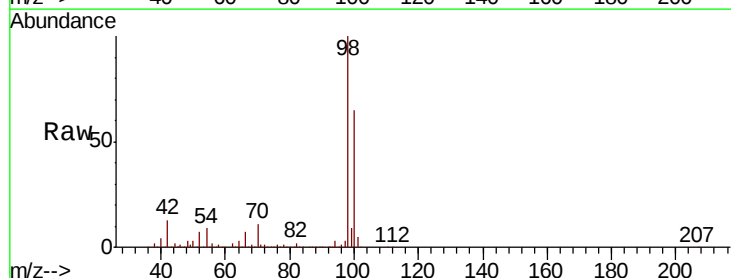
Acq: 03 Jan 2020 19:27

Tgt Ion: 98 Resp: 888053

Ion Ratio Lower Upper

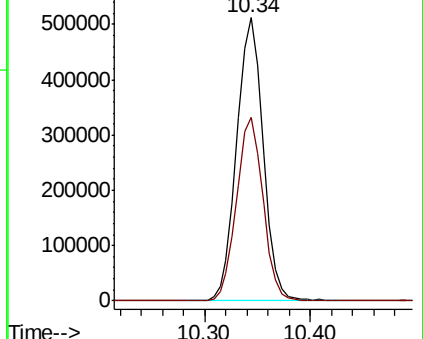
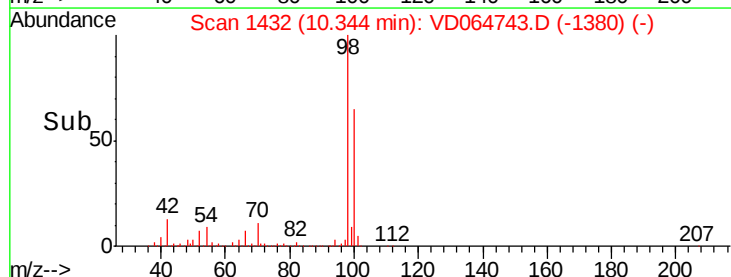
98 100

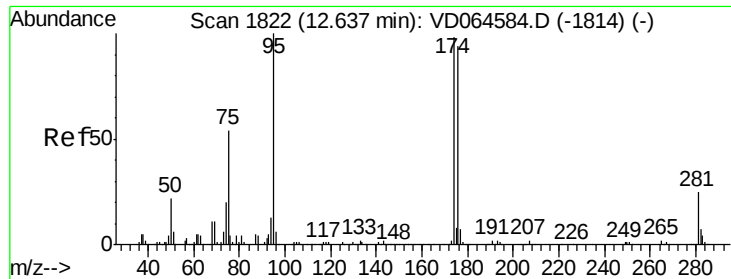
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

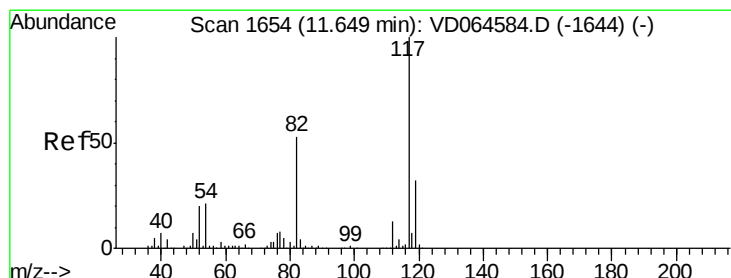
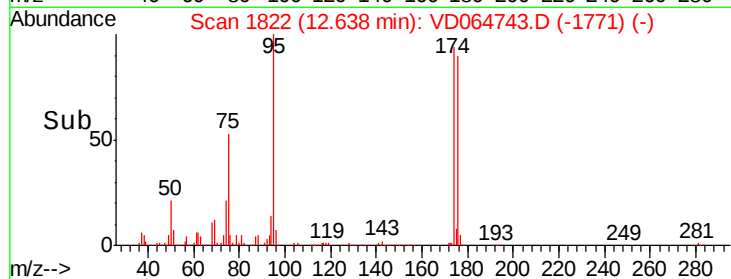
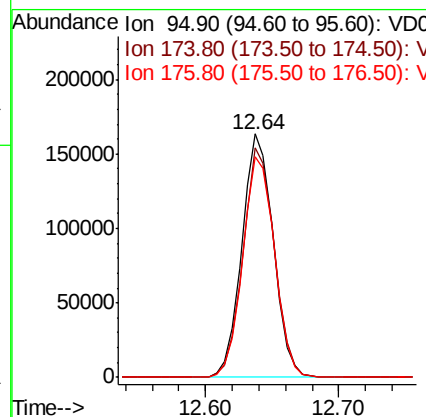
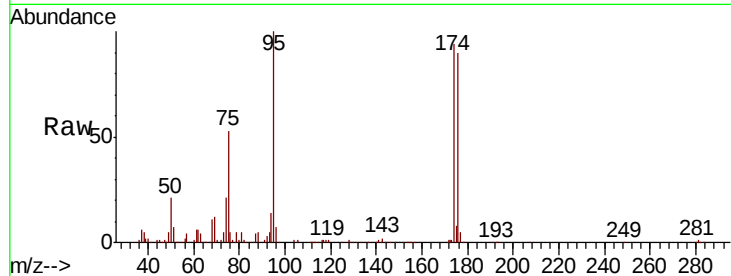




#62
4-Bromofluorobenzene
Concen: 48.179 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064743.D
Acq: 03 Jan 2020 19:27

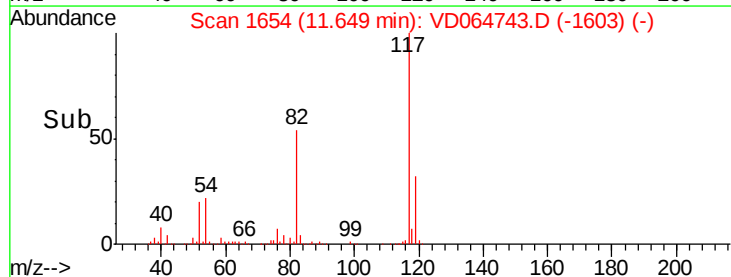
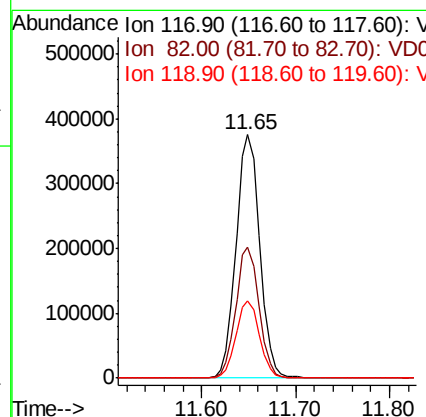
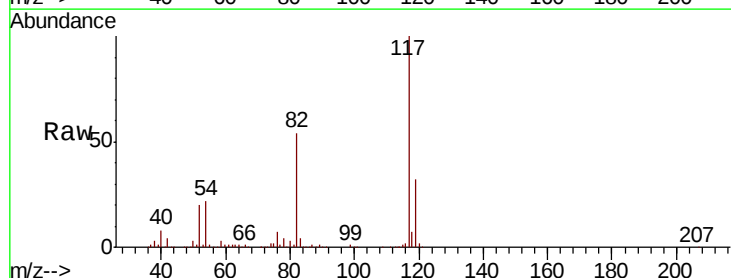
Instrument :
MSVOA_D
ClientSampleId :

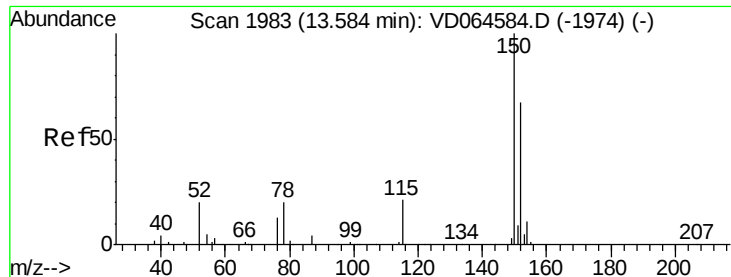
Tot Ion: 95 Resp: 264543
Ion Ratio Lower Upper
95 100
174 94.2 0.0 193.2
176 92.1 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064743.D
Acq: 03 Jan 2020 19:27

Tgt Ion: 117 Resp: 657205
Ion Ratio Lower Upper
117 100
82 53.6 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: VD064743.D

Acq: 03 Jan 2020 19:27

Instrument :

MSVOA_D

ClientSampleId :

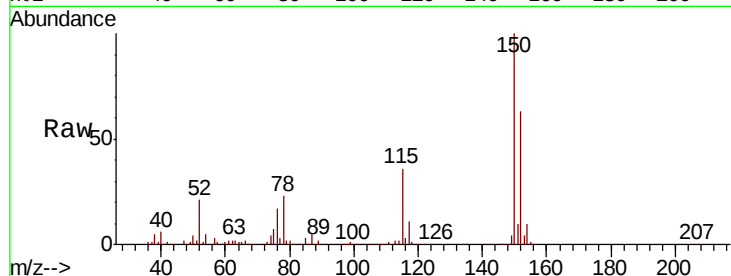
Tot Ion:152 Resp: 298621

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

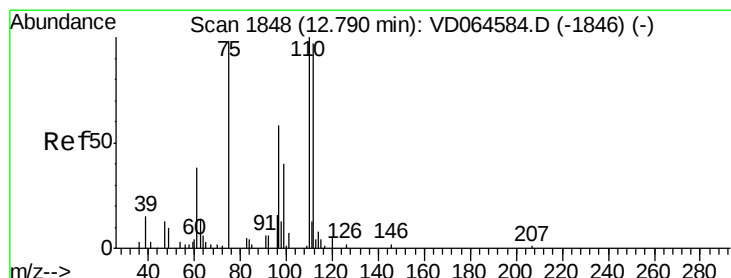
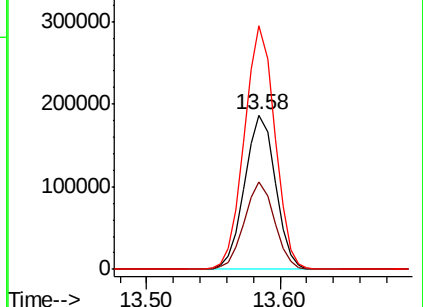
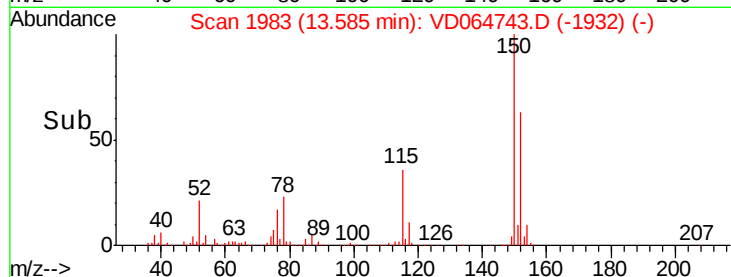
150 155.8 0.0 351.4



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: 59.713 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064743.D

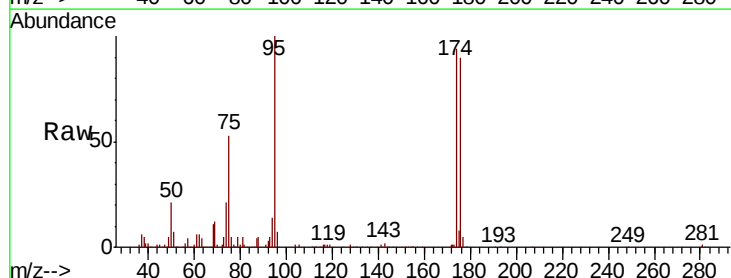
Acq: 03 Jan 2020 19:27

Tgt Ion: 75 Resp: 140810

Ion Ratio Lower Upper

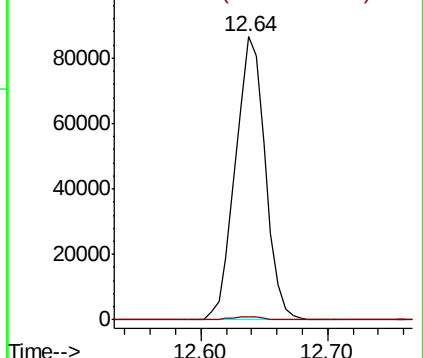
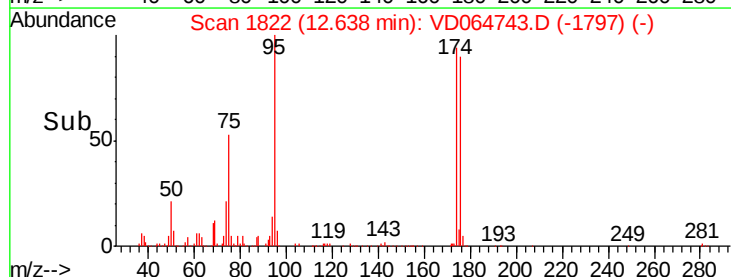
75 100

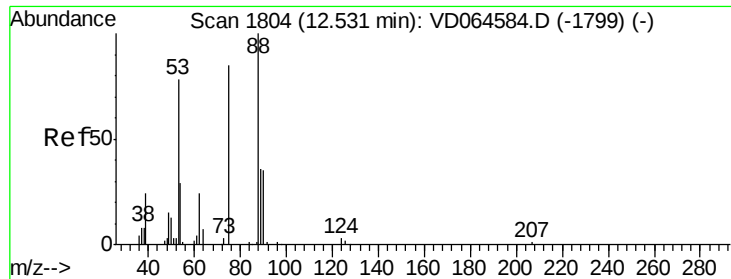
77 1.4 0.0 0.0#



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: 124.889 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064743.D

Acq: 03 Jan 2020 19:27

Instrument :

MSVOA_D

ClientSampleId :

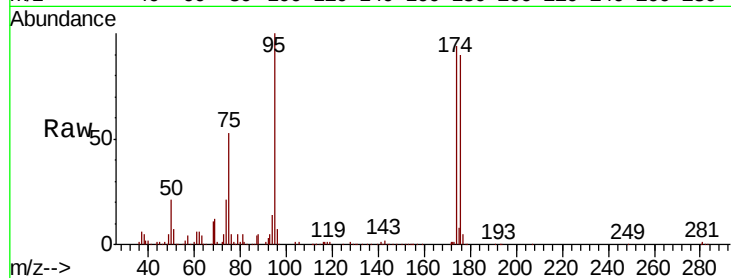
Tot Ion: 75 Resp: 140810

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

