

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064763.D
 Acq On : 04 Jan 2020 06:24
 Operator : VA/SY
 Sample : K6484-46
 Misc : 5.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:53:34 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

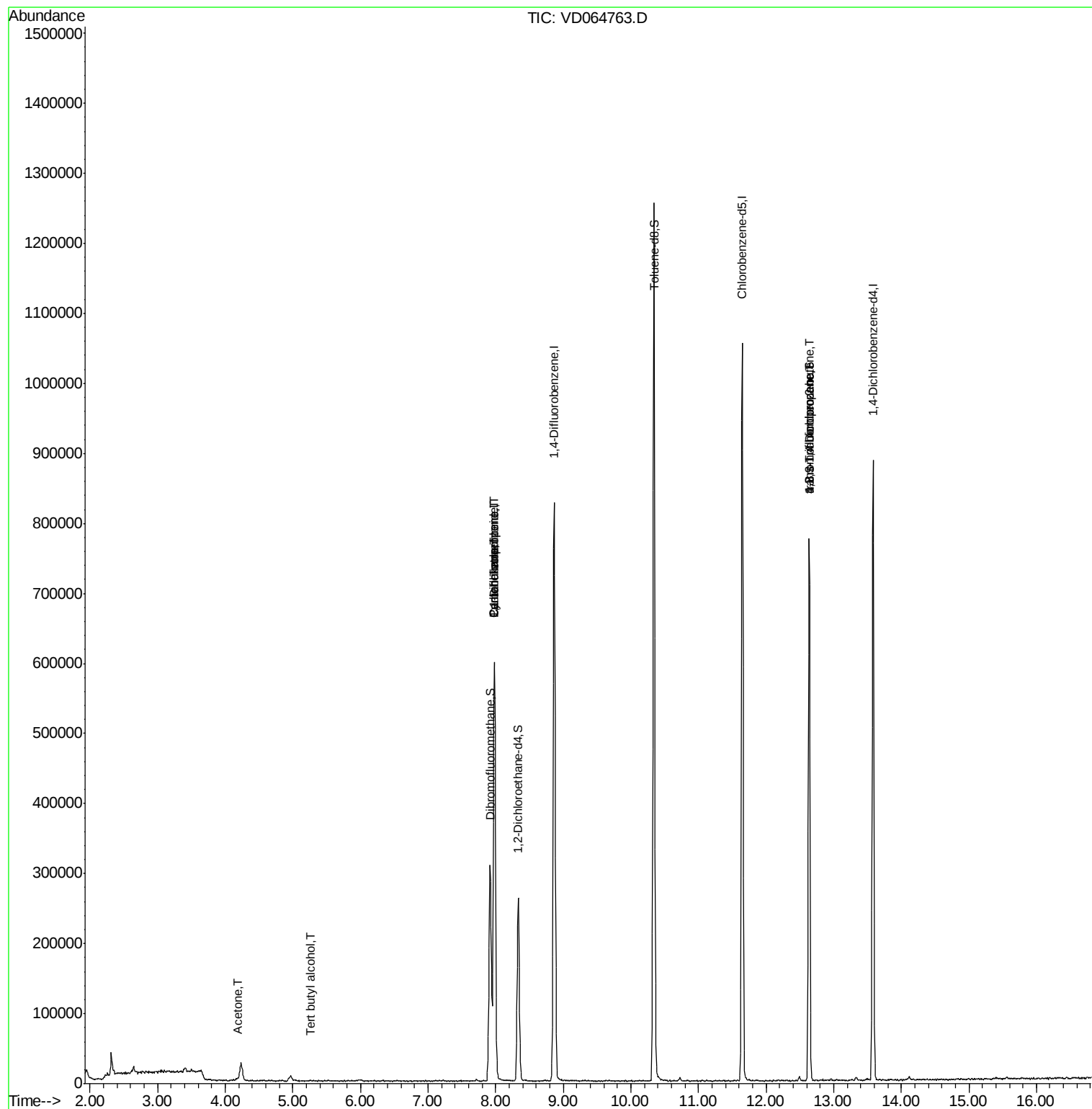
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	706167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	591630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237780	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	207233	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	7.92	113	219064	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	10.34	98	820352	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.64	95	231338	44.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.18%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.26	59	240	1.013	ug/l #	70
16) Acetone	4.18	43	4590	8.831	ug/l #	78
20) Methylene Chloride	4.96	84	5254	Below Cal	#	92
31) Cyclohexane	7.98	56	9589	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34869	5.130	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45129	6.227	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	121299	64.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121299	135.111	ug/l #	10

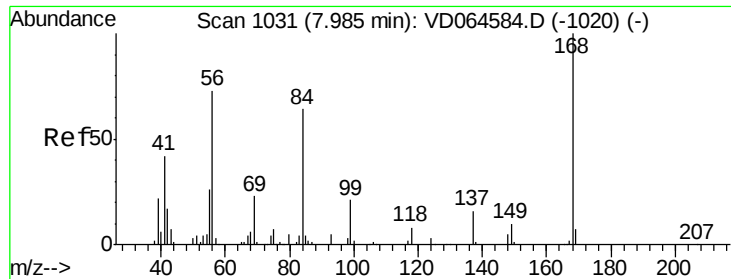
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

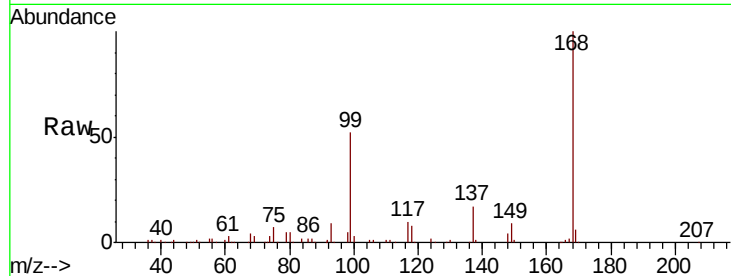
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 468758

Ion Ratio Lower Upper

168 100

99 51.9 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

200000

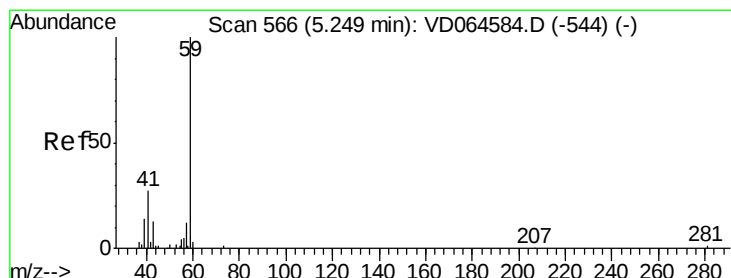
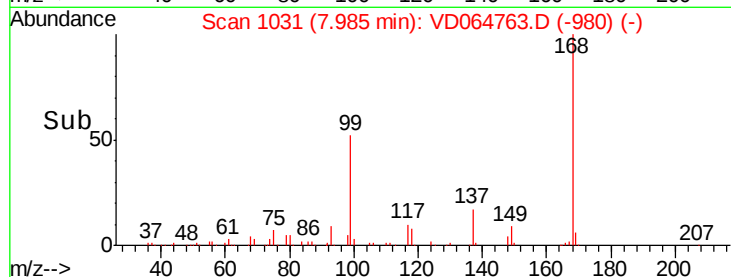
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.013 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064763.D

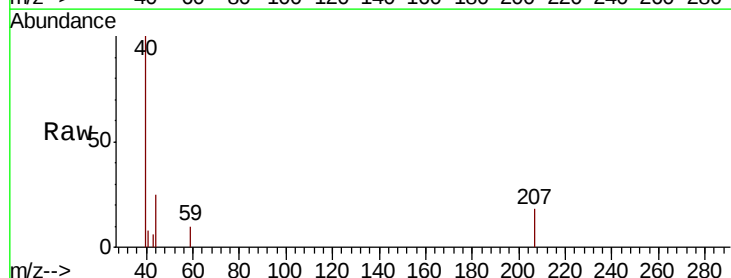
Acq: 04 Jan 2020 06:24

Tgt Ion: 59 Resp: 240

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

5.26

300

250

200

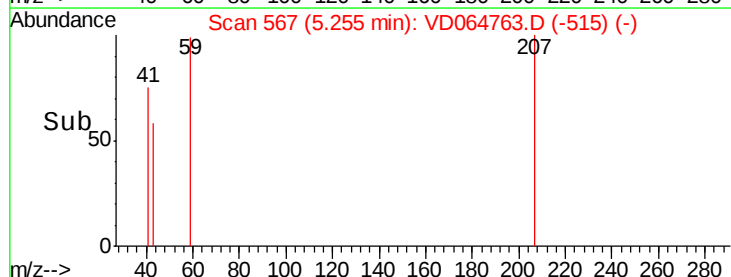
150

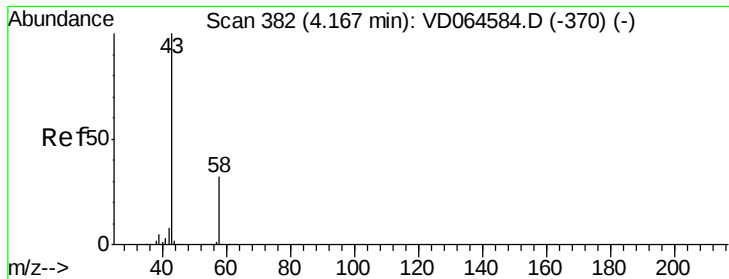
100

50

0

Time-->





#16

Acetone

Concen: 8.831 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Instrument :

MSVOA_D

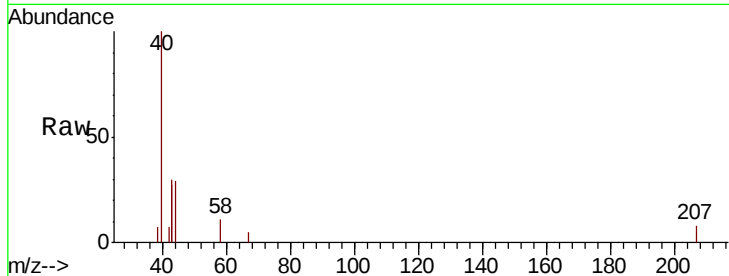
ClientSampleId :

Tot Ion: 43 Resp: 4590

Ion Ratio Lower Upper

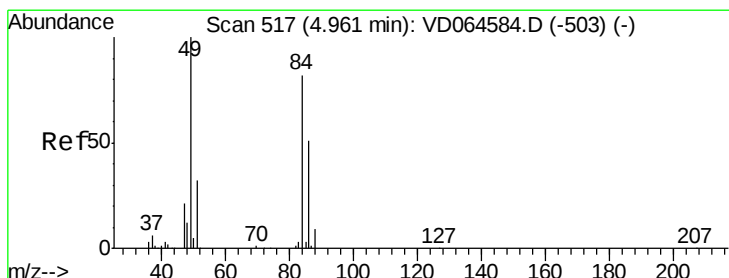
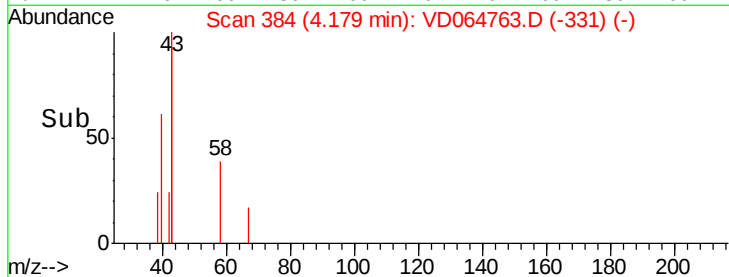
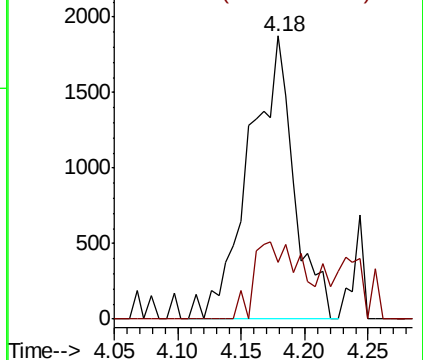
43 100

58 20.1 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: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Tgt Ion: 84 Resp: 5254

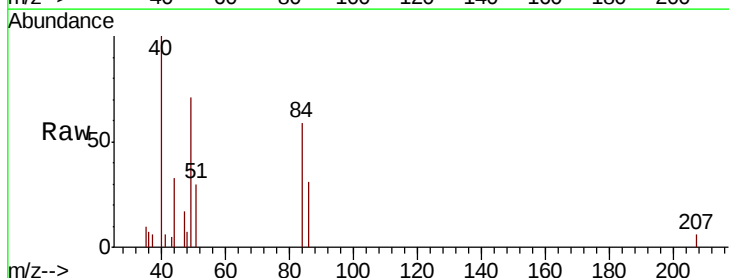
Ion Ratio Lower Upper

84 100

49 119.2 97.2 145.8

51 50.3 31.4 47.0#

86 52.6 49.3 73.9

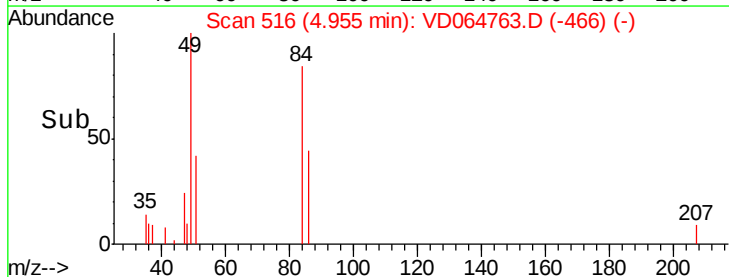
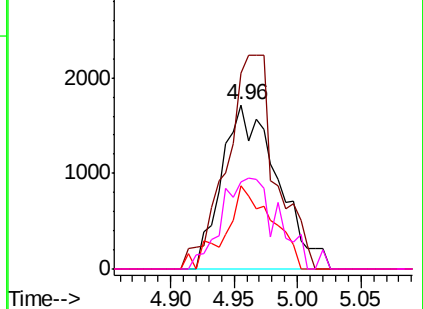


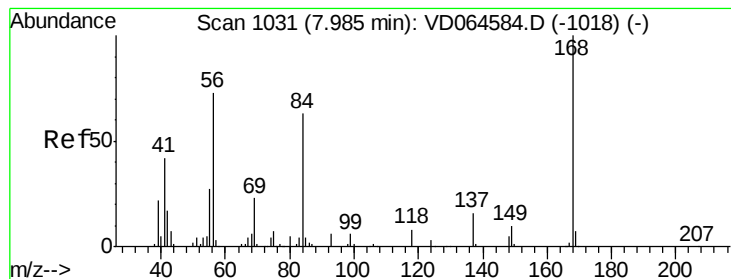
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.244 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Instrument :

MSVOA_D

ClientSampleId :

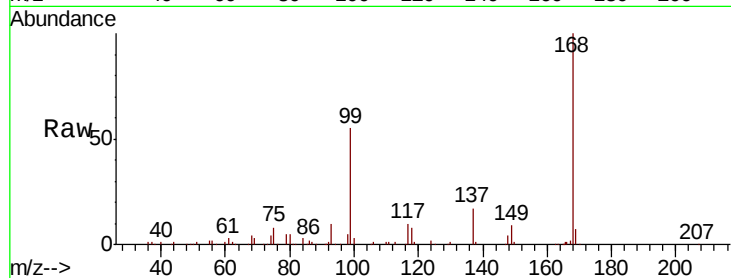
Tot Ion: 56 Resp: 9589

Ion Ratio Lower Upper

56 100

69 160.0 24.7 37.1#

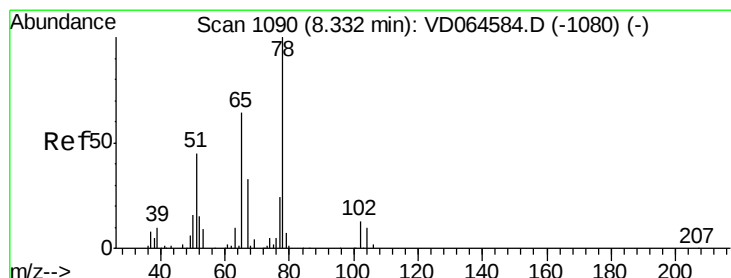
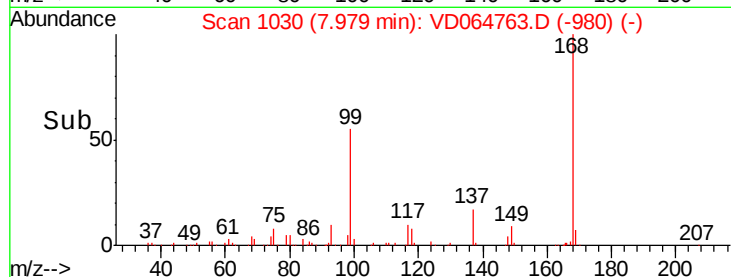
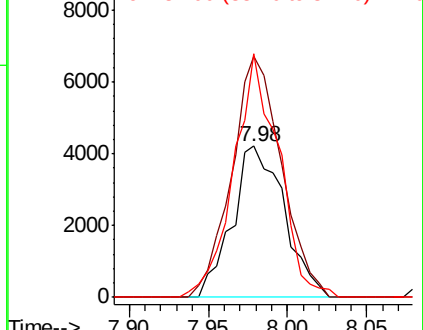
84 161.4 69.4 104.2#



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: 50.136 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064763.D

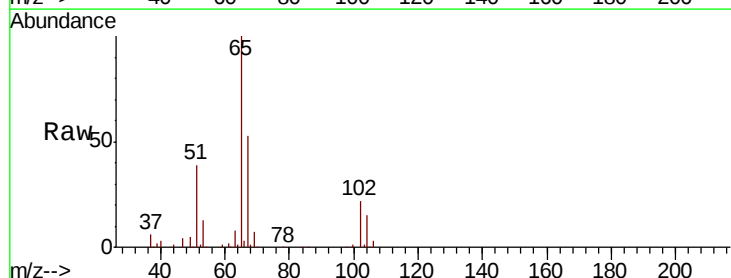
Acq: 04 Jan 2020 06:24

Tgt Ion: 65 Resp: 207233

Ion Ratio Lower Upper

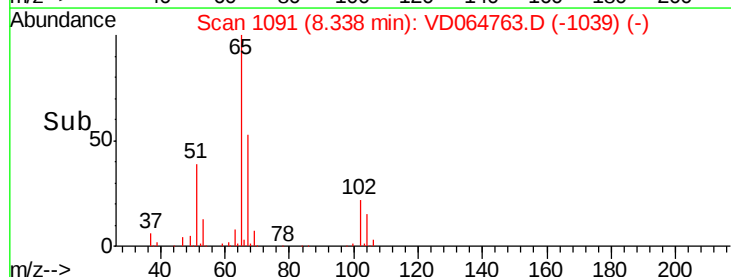
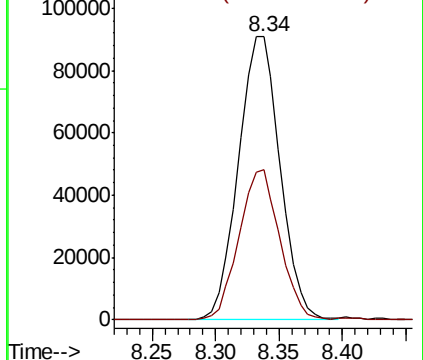
65 100

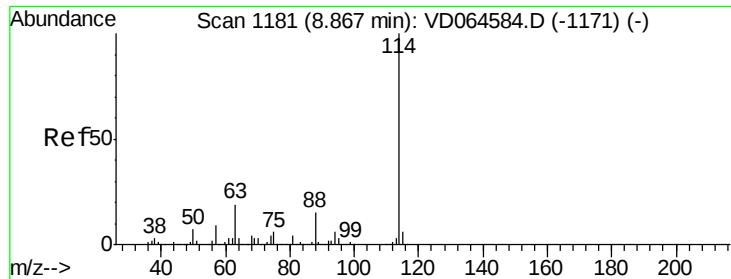
67 51.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

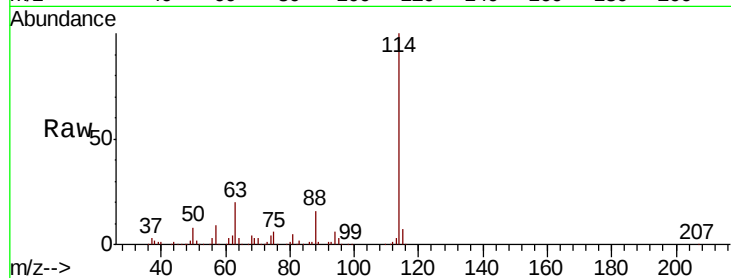




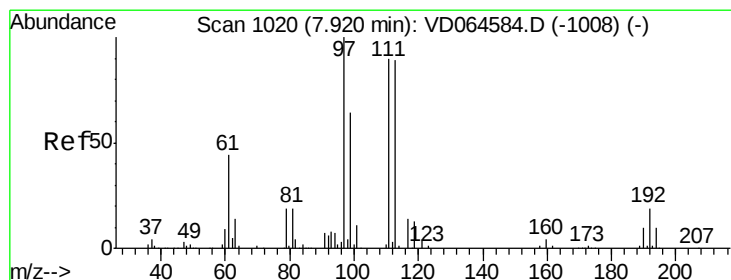
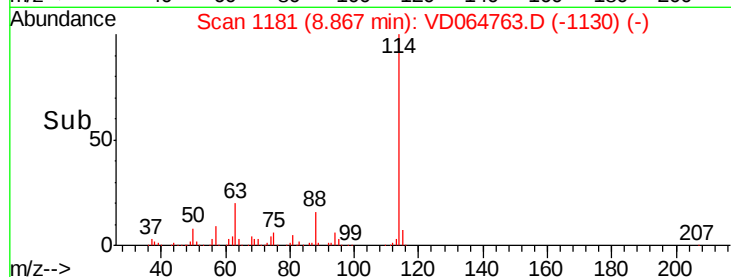
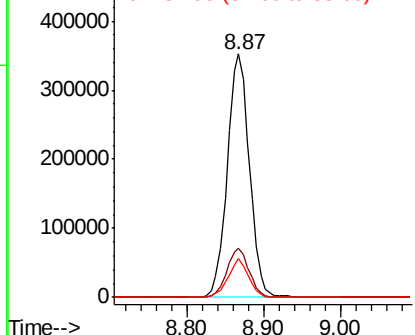
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064763.D
 Acq: 04 Jan 2020 06:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.0
88	15.8	0.0	29.2

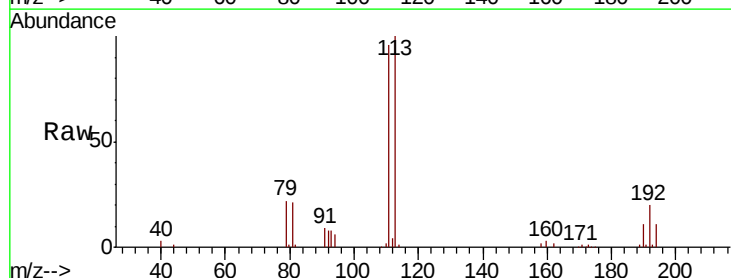


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

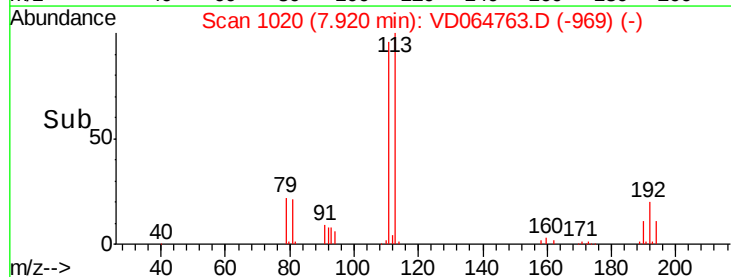
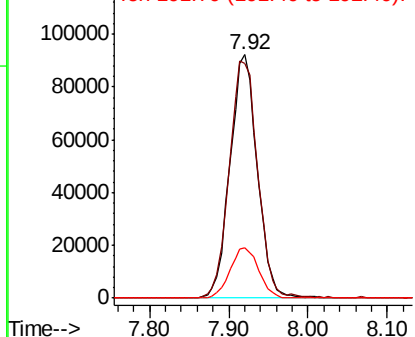


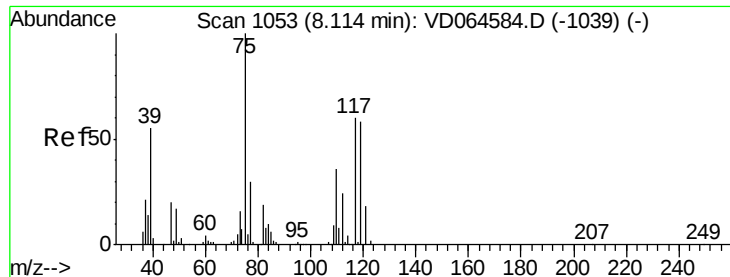
#35
 Dibromofluoromethane
 Concen: 50.563 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064763.D
 Acq: 04 Jan 2020 06:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.6	121.0
192	21.6	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: 5.130 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Instrument :

MSVOA_D

ClientSampleId :

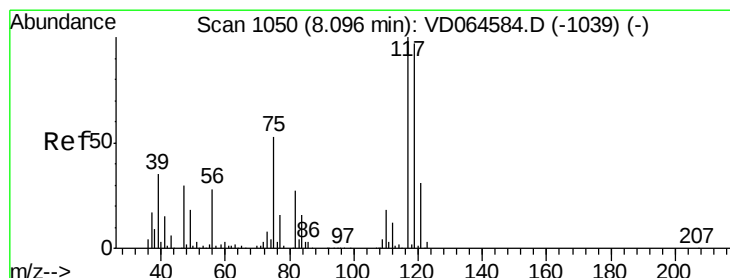
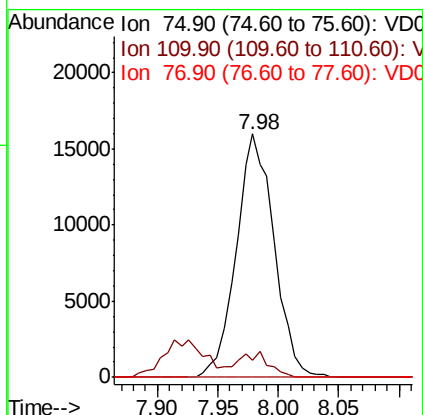
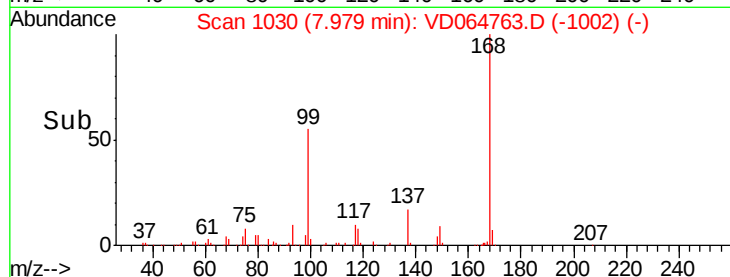
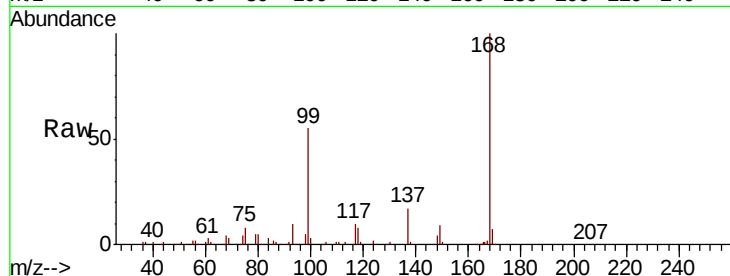
Tot Ion: 75 Resp: 34869

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.1#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

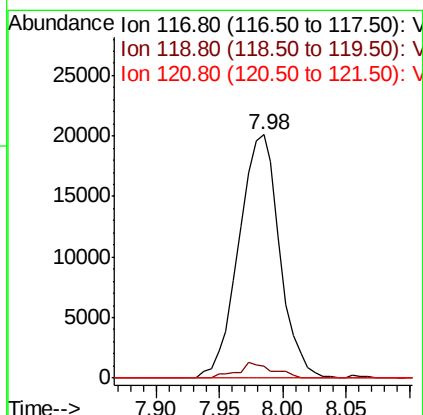
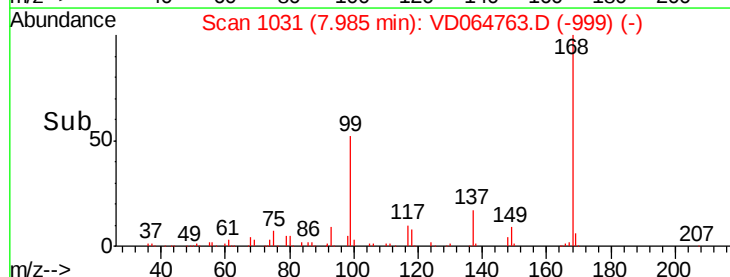
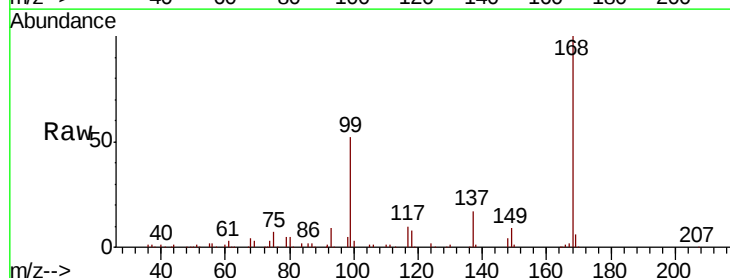
Tgt Ion: 117 Resp: 45129

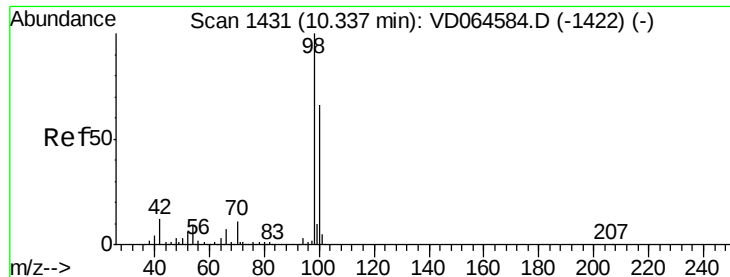
Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 49.440 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Instrument :

MSVOA_D

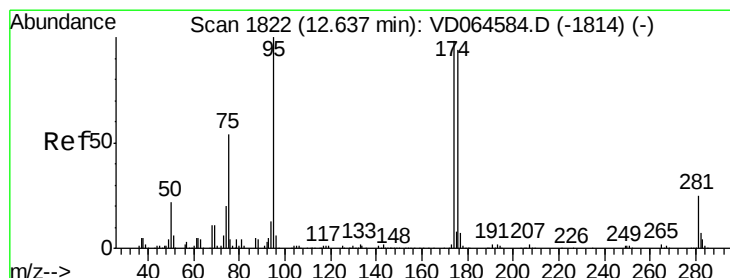
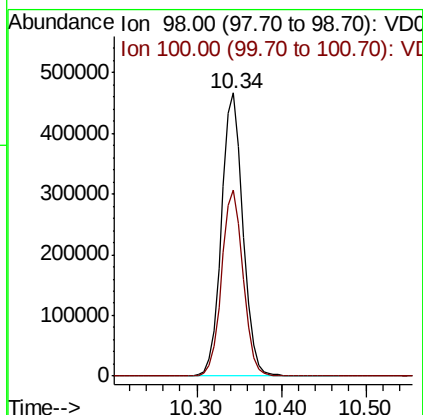
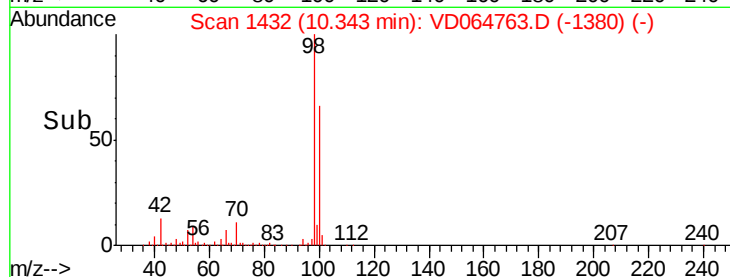
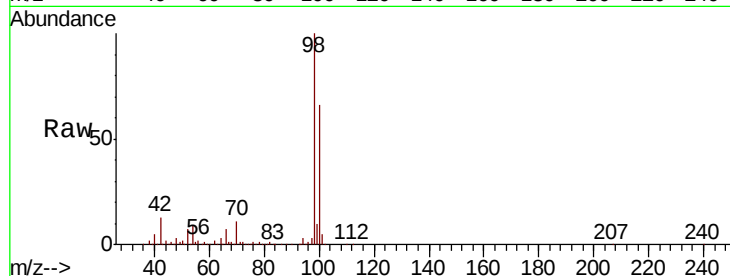
ClientSampleId :

Tot Ion: 98 Resp: 820352

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 44.091 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

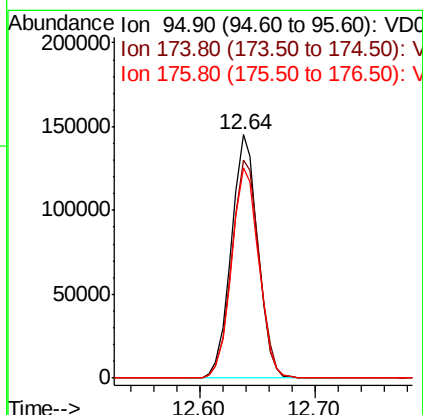
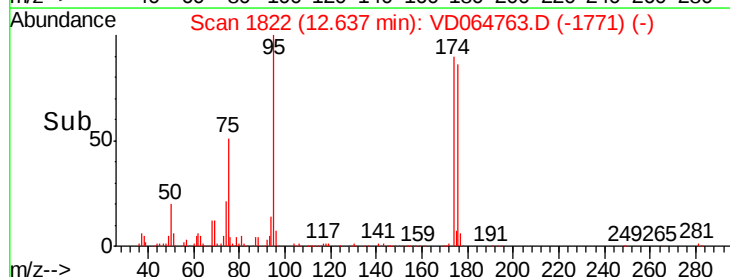
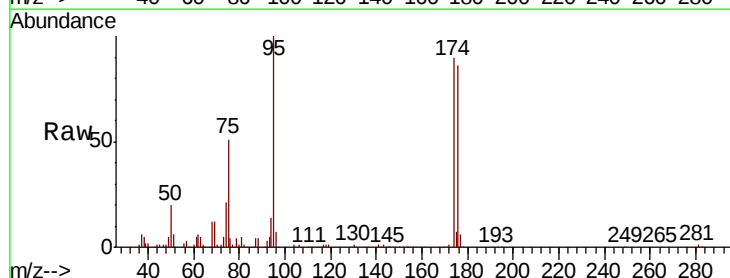
Tgt Ion: 95 Resp: 231338

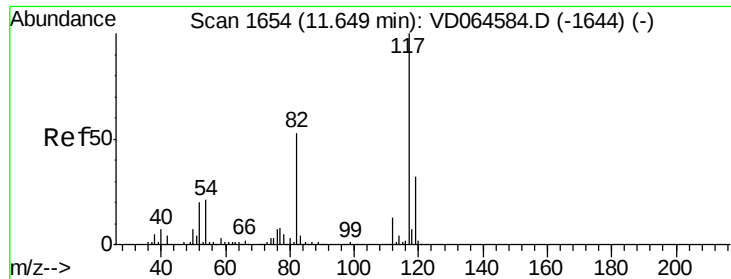
Ion Ratio Lower Upper

95 100

174 92.5 0.0 193.2

176 88.4 0.0 184.2

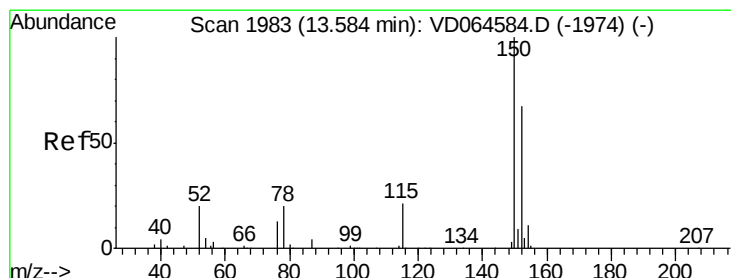
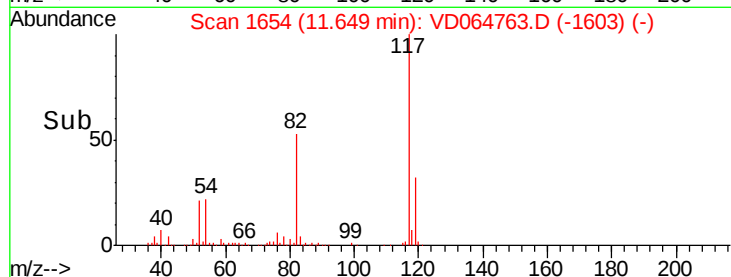
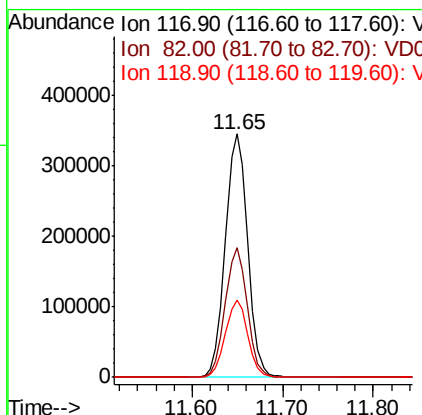
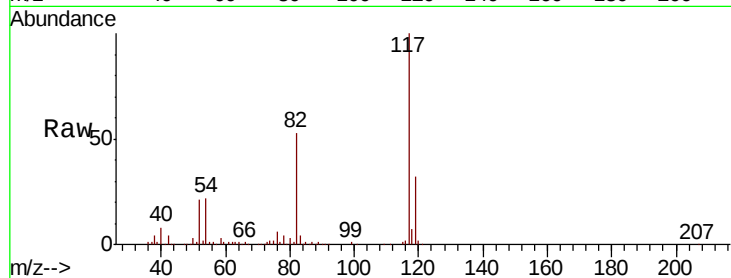




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064763.D
Acq: 04 Jan 2020 06:24

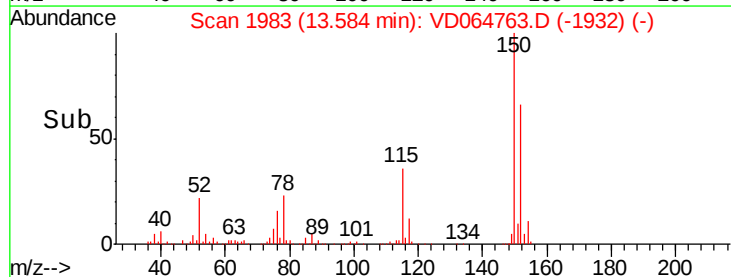
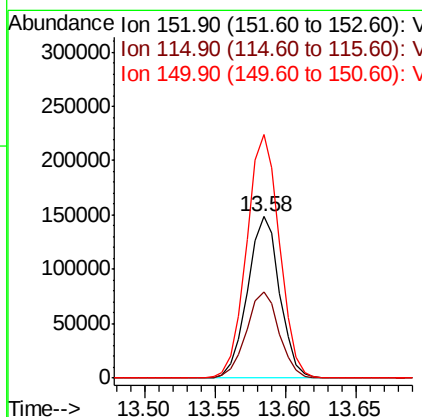
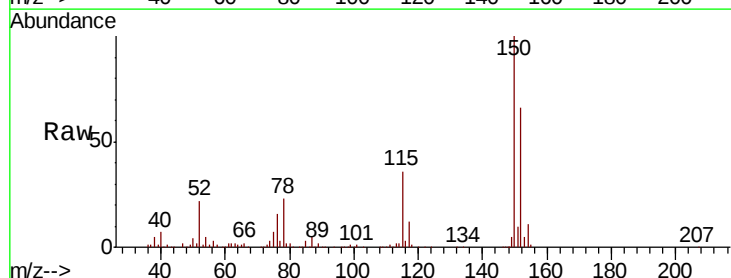
Instrument :
MSVOA_D
ClientSampled :

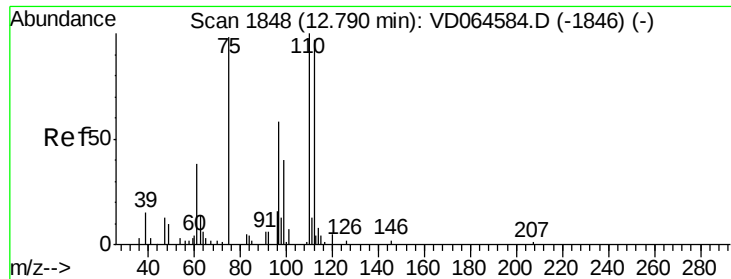
Tot Ion:117 Resp: 591630
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064763.D
Acq: 04 Jan 2020 06:24

Tgt Ion:152 Resp: 237780
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 154.1 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 64.601 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

Instrument :

MSVOA_D

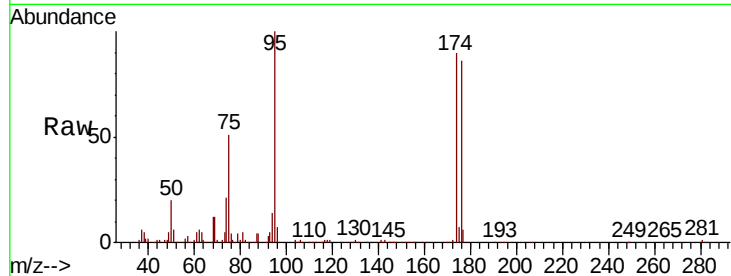
ClientSampleId :

Tot Ion: 75 Resp: 121299

Ion Ratio Lower Upper

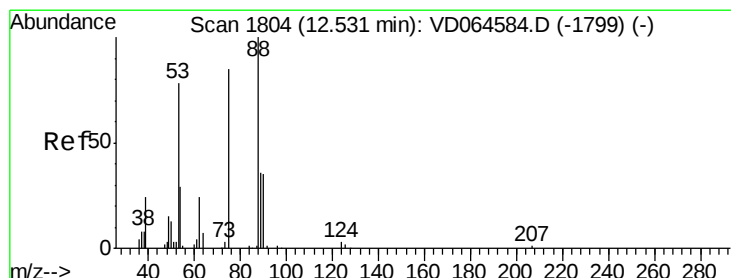
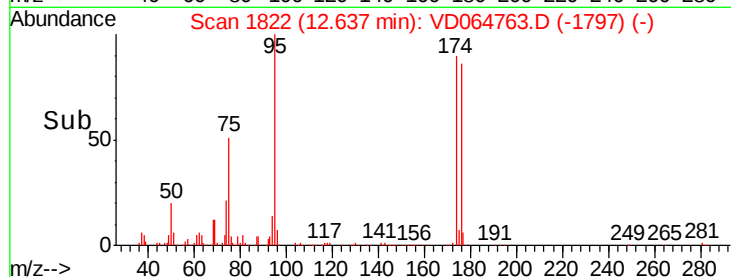
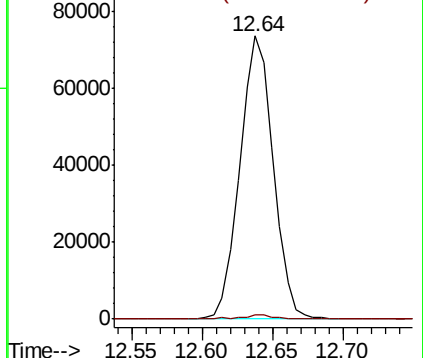
75 100

77 1.5 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: 135.111 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064763.D

Acq: 04 Jan 2020 06:24

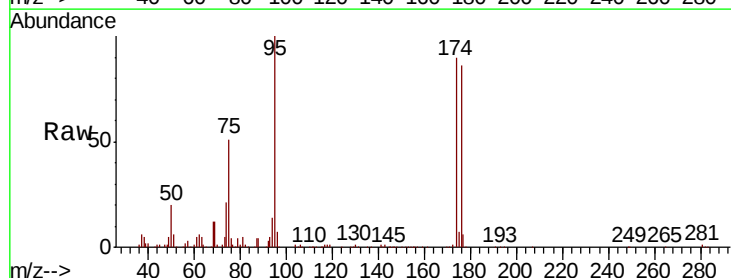
Tgt Ion: 75 Resp: 121299

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

