

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064741.D
 Acq On : 03 Jan 2020 18:29
 Operator : VA/SY
 Sample : K6471-05
 Misc : 5.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:48:15 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

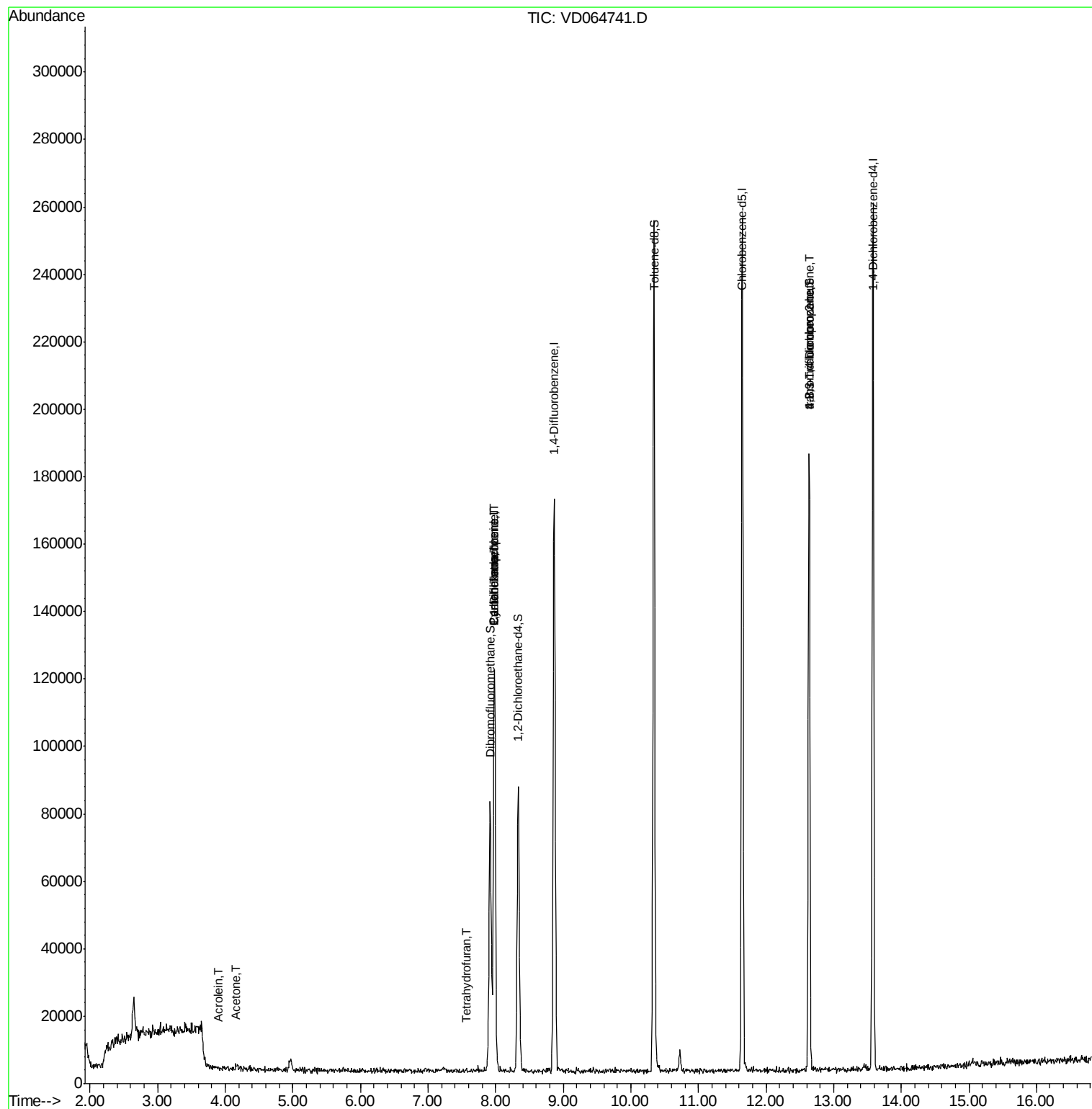
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	94292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	143153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	140579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	70503	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	67997	81.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	163.56%	
35) Dibromofluoromethane	7.92	113	54248	61.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.54%	
50) Toluene-d8	10.34	98	171657	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	56735	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
Target Compounds						
					Qvalue	
13) Acrolein	3.90	56	74	1.114	ug/l #	14
16) Acetone	4.16	43	1101	9.725	ug/l #	42
20) Methylene Chloride	4.94	84	1390	Below Cal	#	53
29) Tetrahydrofuran	7.58	42	231	1.625	ug/l #	33
31) Cyclohexane	7.98	56	2134	1.377	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	7020	5.095	ug/l #	50
38) Carbon Tetrachloride	7.98	117	8256	5.619	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	31085	55.834	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	31085	116.776	ug/l #	10

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

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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: VD064741.D

Acq: 03 Jan 2020 18:29

Instrument :

MSVOA_D

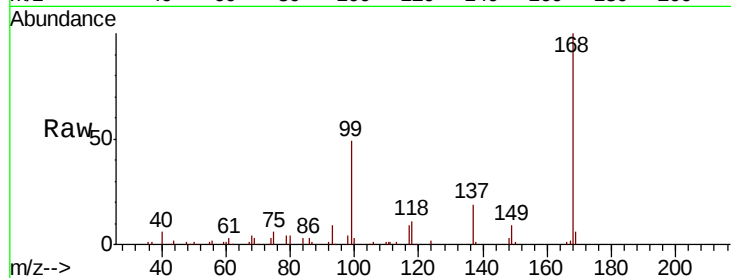
ClientSampleId :

Tot Ion:168 Resp: 94292

Ion Ratio Lower Upper

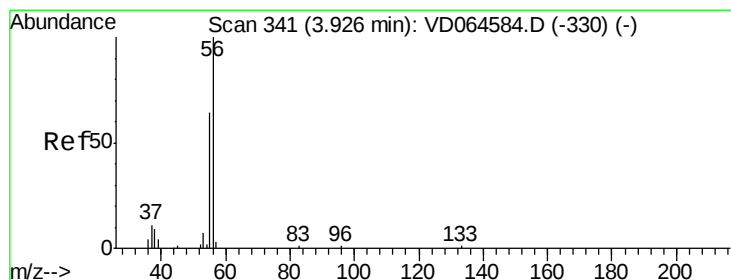
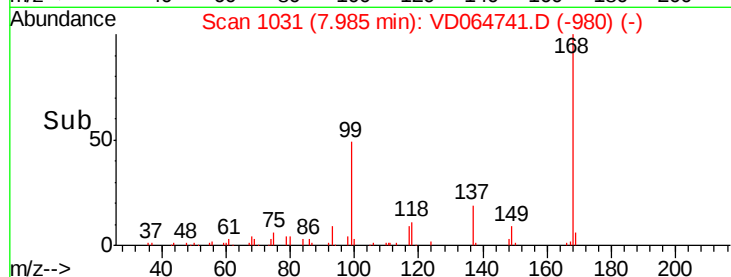
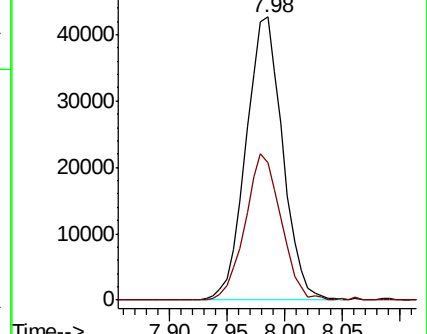
168 100

99 48.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.114 ug/l

RT: 3.90 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD064741.D

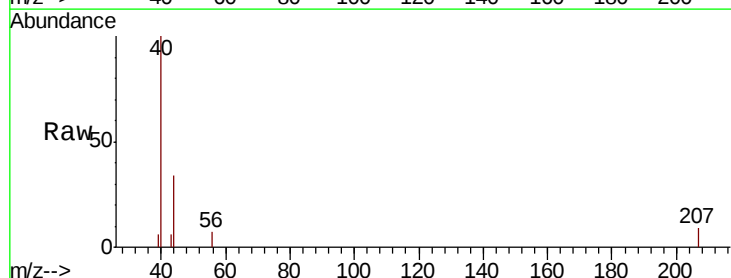
Acq: 03 Jan 2020 18:29

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

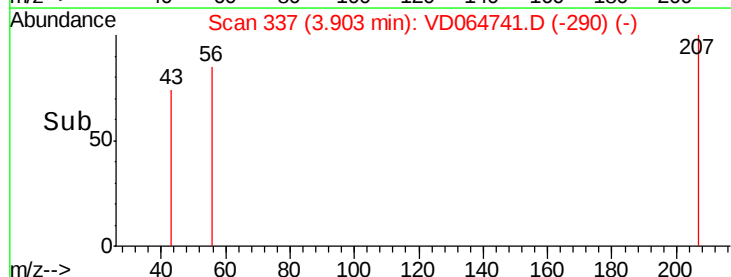
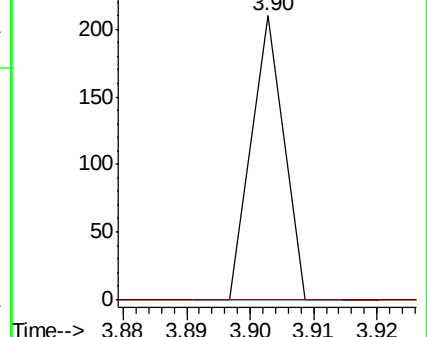
56 100

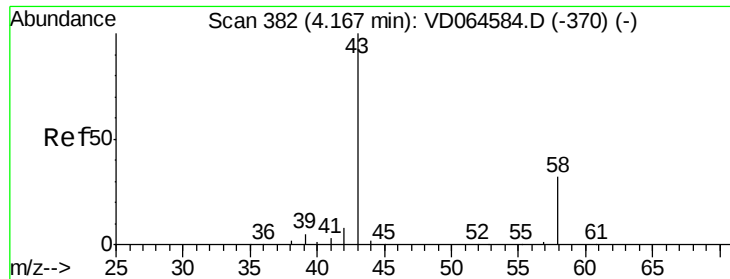
55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 9.725 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064741.D

Acq: 03 Jan 2020 18:29

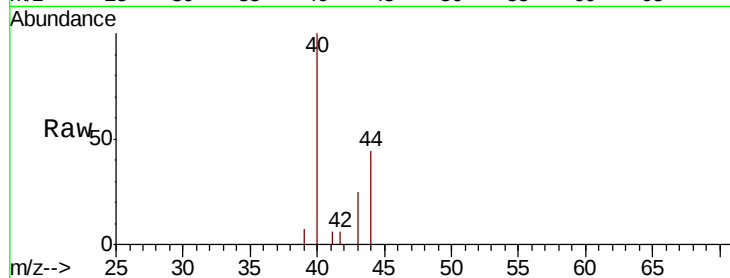
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

800

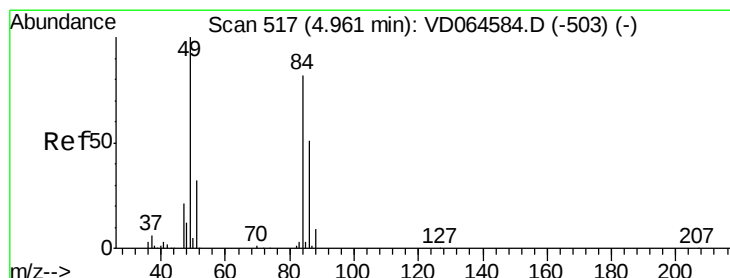
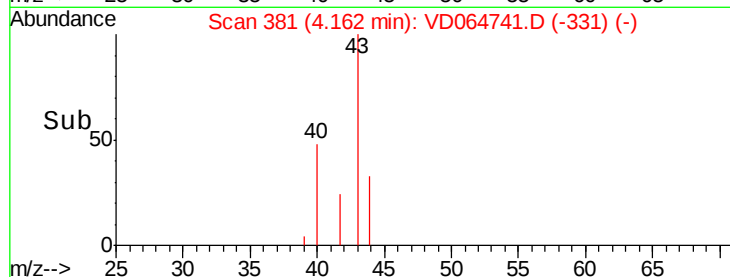
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.94 min Scan# 514

Delta R.T. -0.02 min

Lab File: VD064741.D

Acq: 03 Jan 2020 18:29

Tgt Ion: 84 Resp: 1390

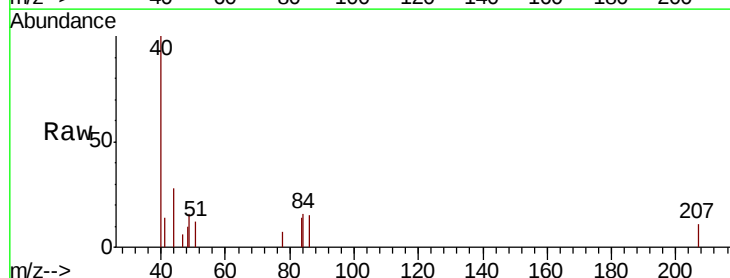
Ion Ratio Lower Upper

84 100

49 35.7 97.2 145.8#

51 41.0 31.4 47.0

86 50.1 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

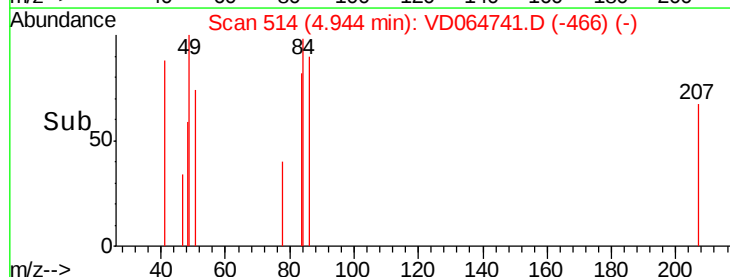
1500

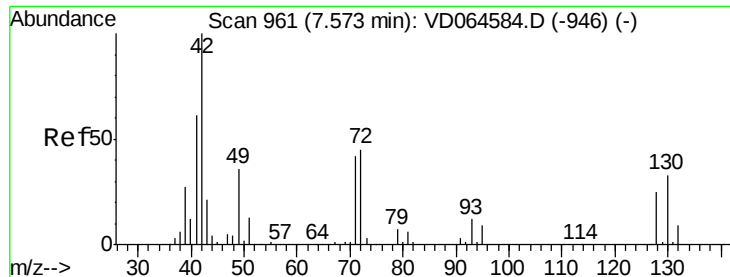
1000

500

0

Time-->

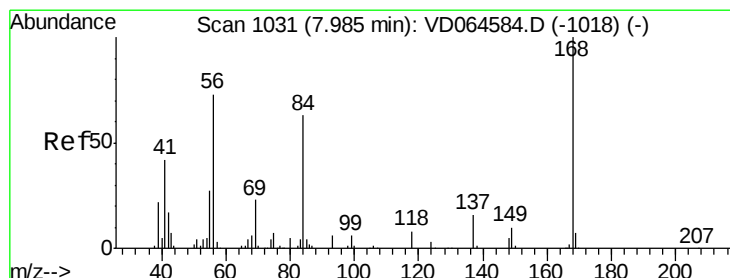
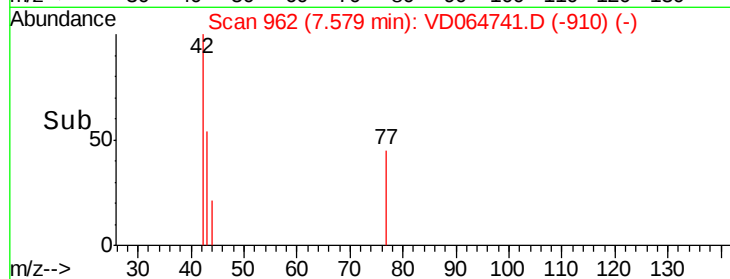
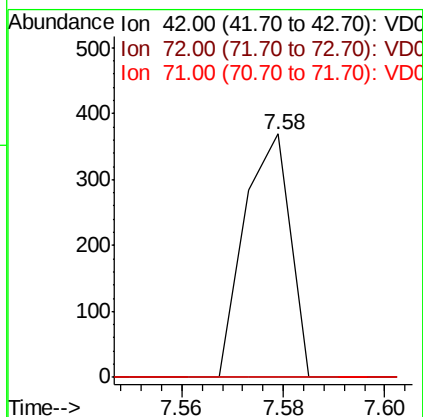
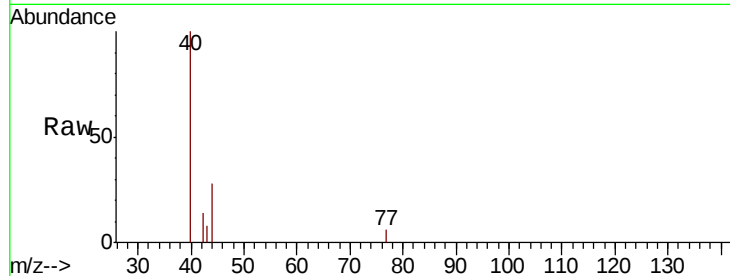




#29
Tetrahydrofuran
Concen: 1.625 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064741.D
Acq: 03 Jan 2020 18:29

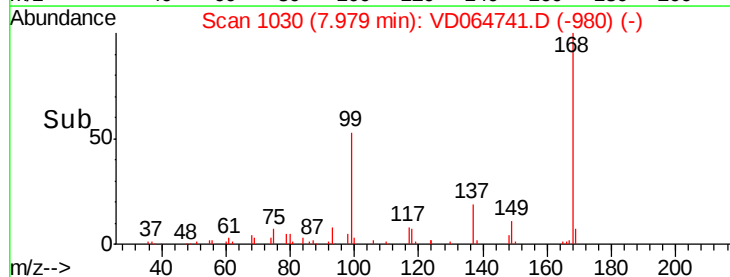
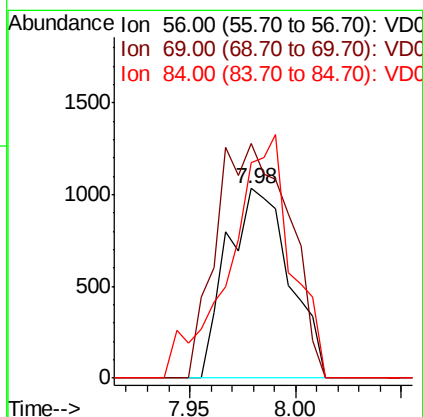
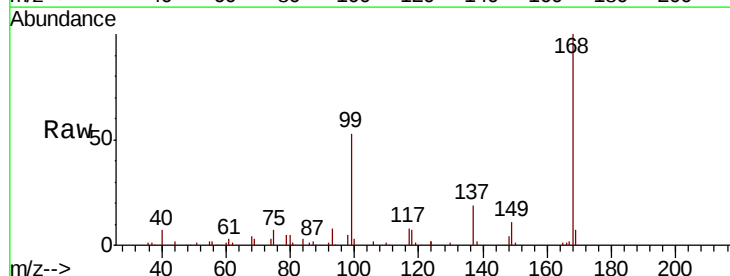
Instrument :
MSVOA_D
ClientSampled :

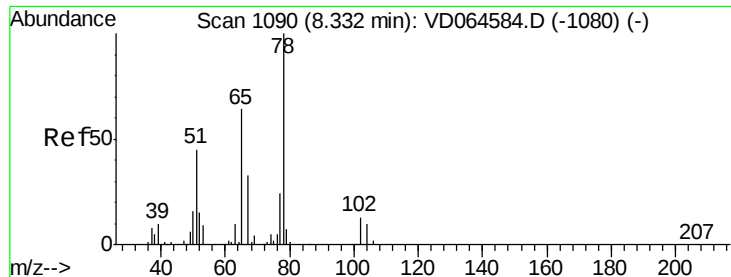
Tot Ion: 42 Resp: 231
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.9 49.3#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064741.D
Acq: 03 Jan 2020 18:29

Tgt Ion: 56 Resp: 2134
Ion Ratio Lower Upper
56 100
69 124.3 24.7 37.1#
84 114.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 81.781 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064741.D

Acq: 03 Jan 2020 18:29

Instrument :

MSVOA_D

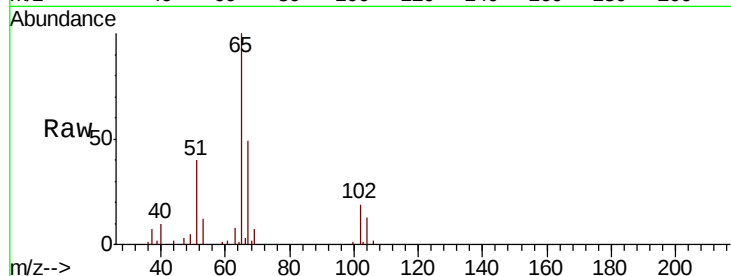
ClientSampleId :

Tot Ion: 65 Resp: 67997

Ion Ratio Lower Upper

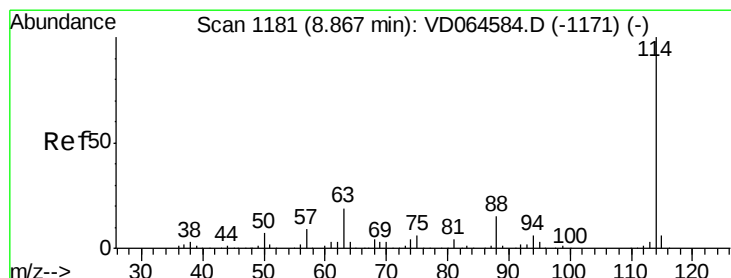
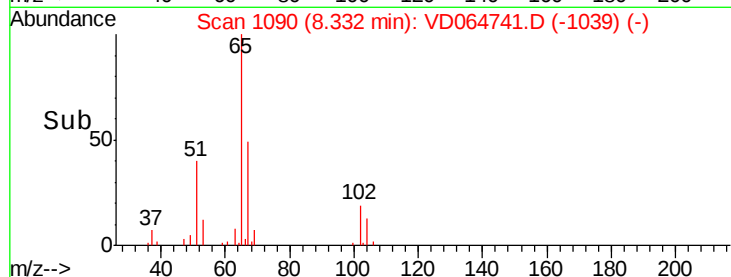
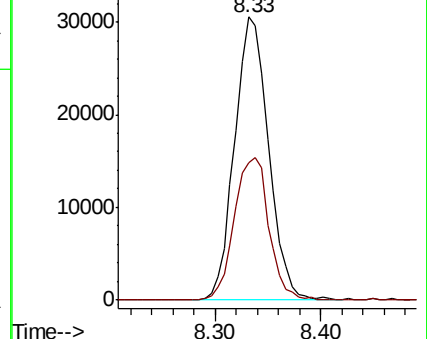
65 100

67 51.1 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: VD064741.D

Acq: 03 Jan 2020 18:29

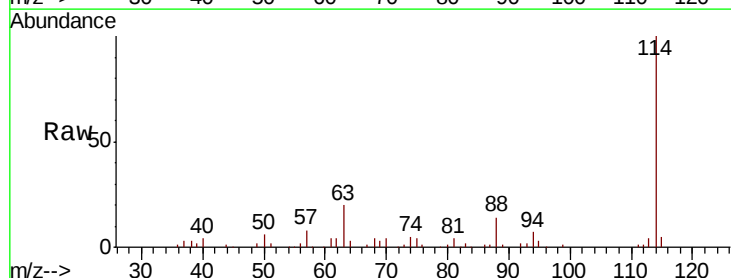
Tgt Ion: 114 Resp: 143153

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

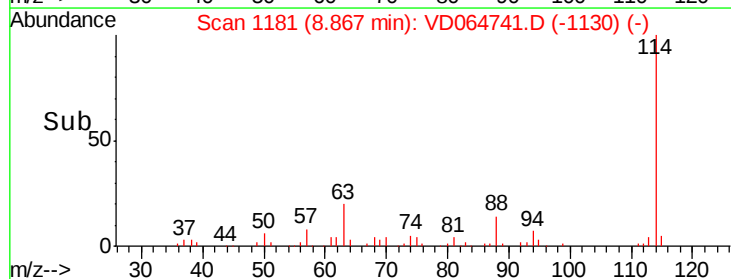
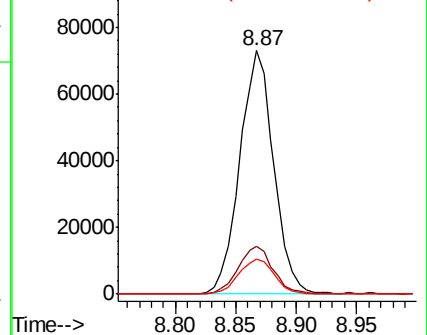
88 14.4 0.0 29.2

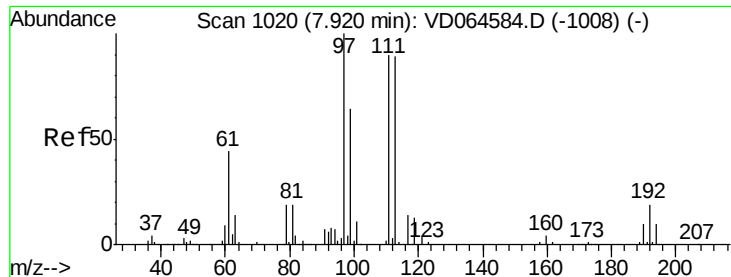


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

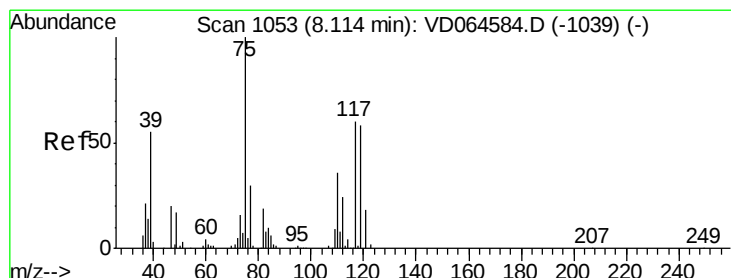
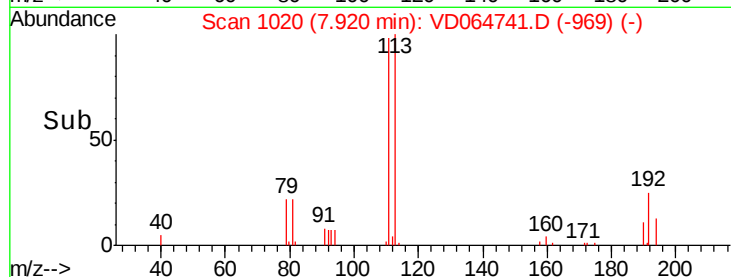
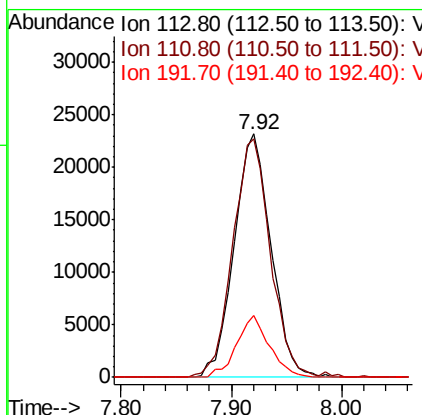
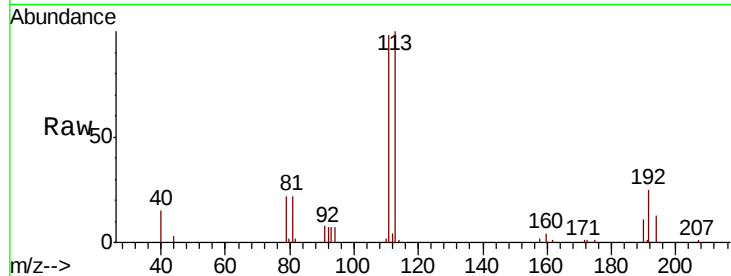




#35
 Dibromofluoromethane
 Concen: 61.767 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064741.D
 Acq: 03 Jan 2020 18:29

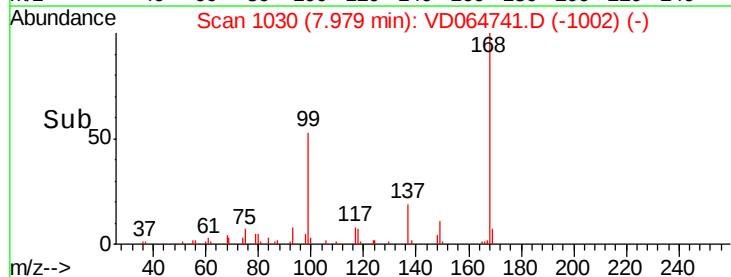
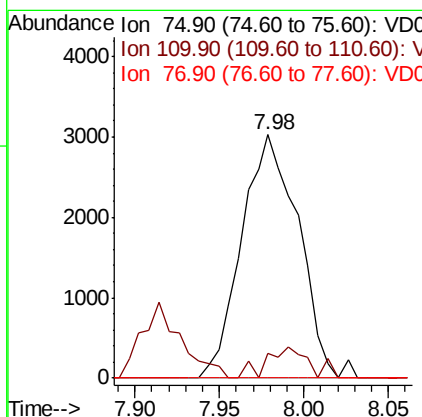
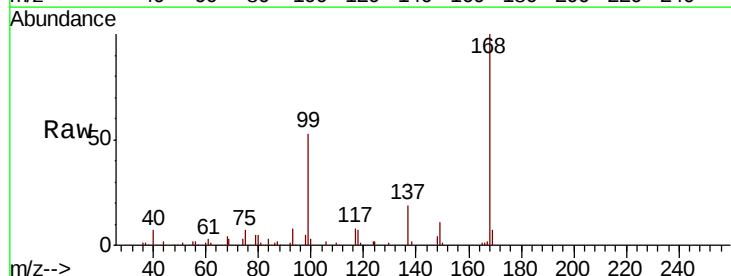
Instrument :
 MSVOA_D
 ClientSampleId :

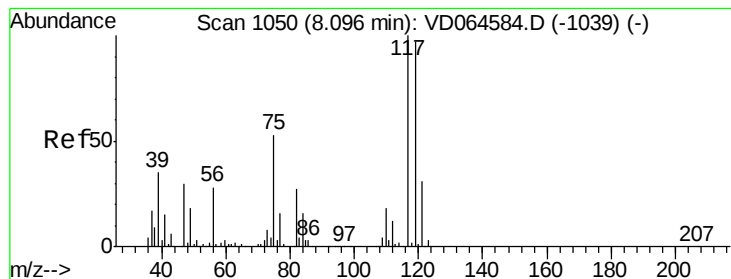
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	80.6	121.0
192	22.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 5.095 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064741.D
 Acq: 03 Jan 2020 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.619 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064741.D

Acq: 03 Jan 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

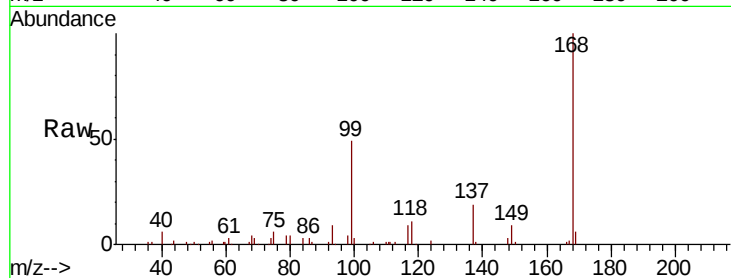
Tot Ion:117 Resp: 8256

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

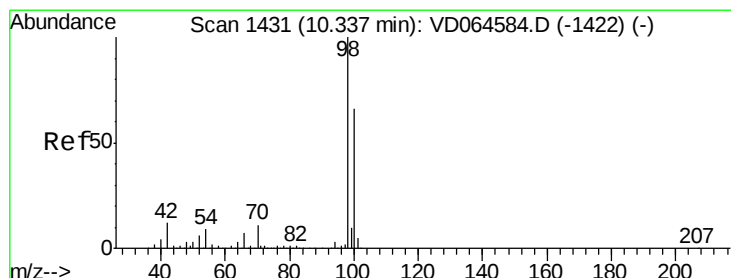
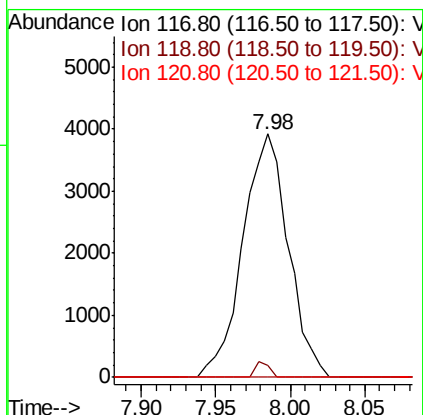
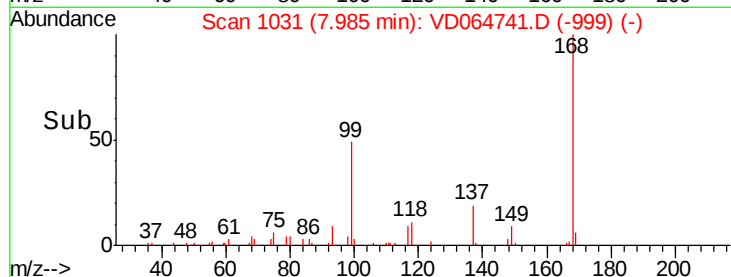
121 0.0 25.0 37.6#



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: 51.033 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064741.D

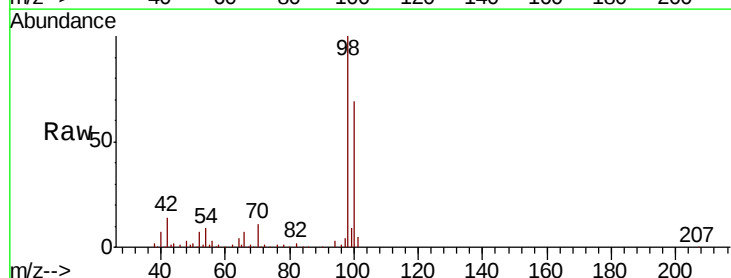
Acq: 03 Jan 2020 18:29

Tgt Ion: 98 Resp: 171657

Ion Ratio Lower Upper

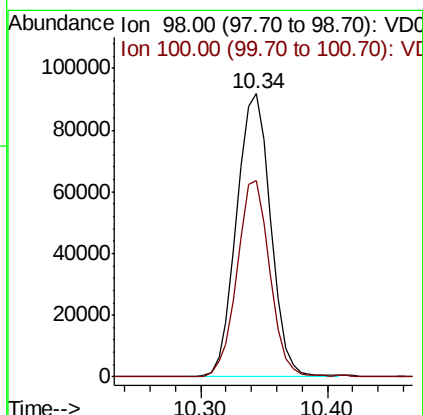
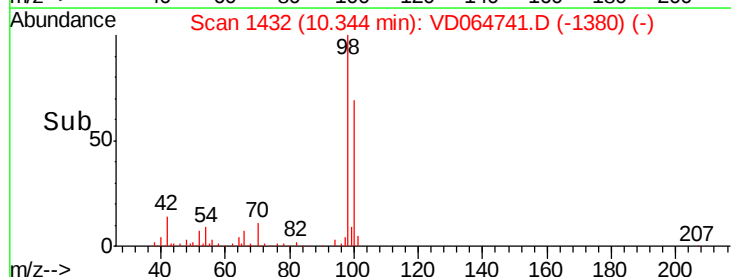
98 100

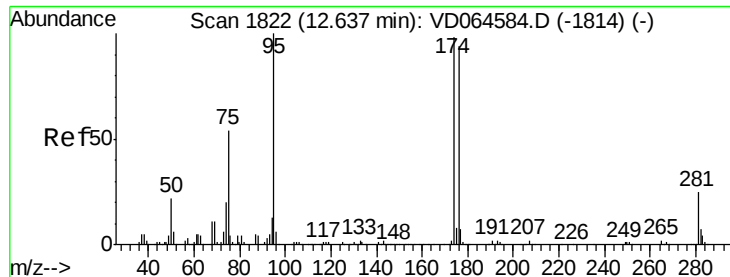
100 66.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

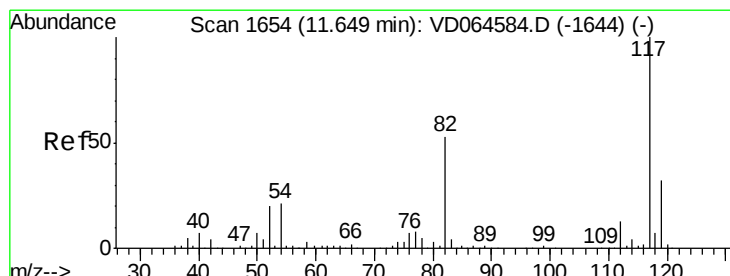
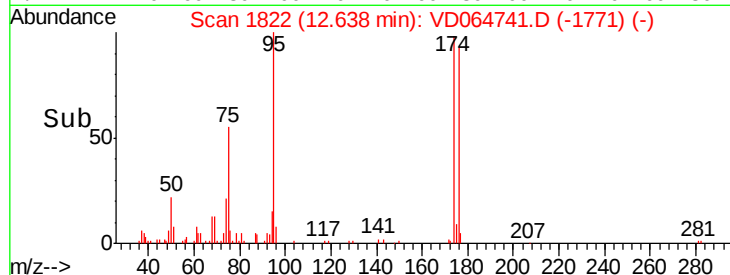
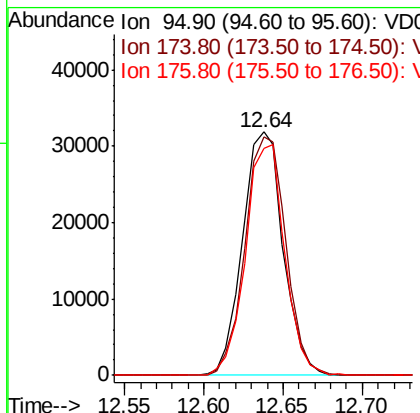
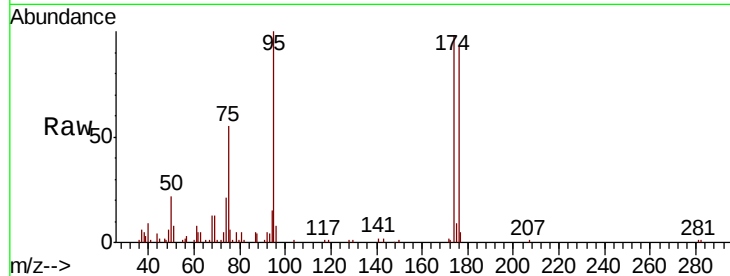




#62
4-Bromofluorobenzene
Concen: 53.341 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064741.D
Acq: 03 Jan 2020 18:29

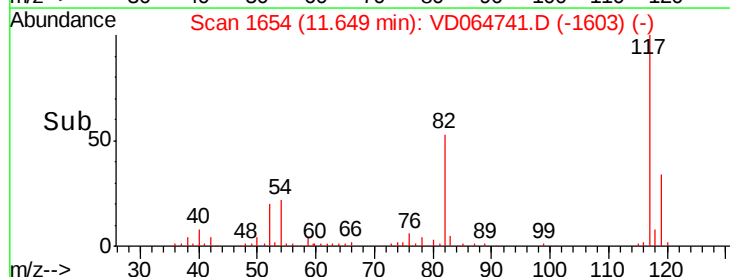
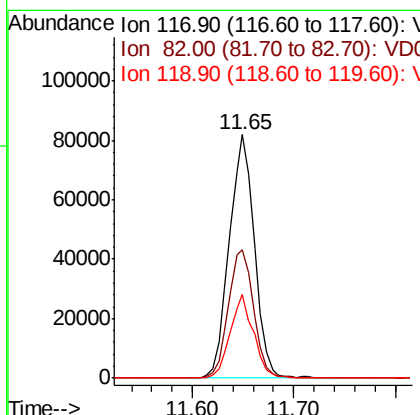
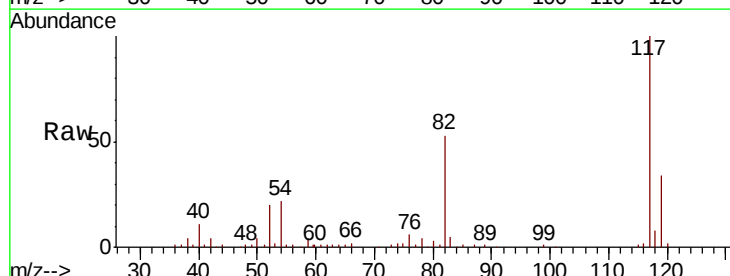
Instrument :
MSVOA_D
ClientSampleId :

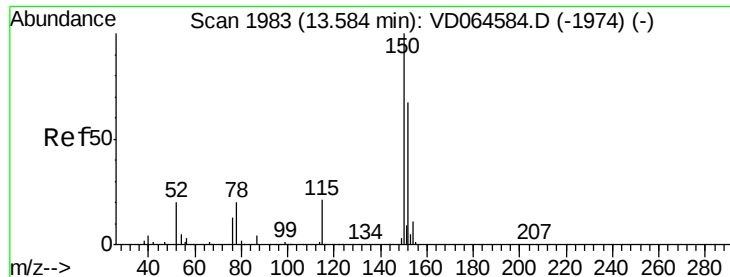
Tot Ion: 95 Resp: 56735
Ion Ratio Lower Upper
95 100
174 98.1 0.0 193.2
176 91.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064741.D
Acq: 03 Jan 2020 18:29

Tgt Ion: 117 Resp: 140579
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 34.2 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: VD064741.D

Acq: 03 Jan 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

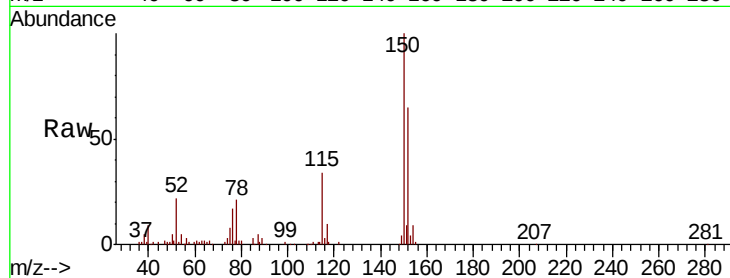
Tot Ion:152 Resp: 70503

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.4

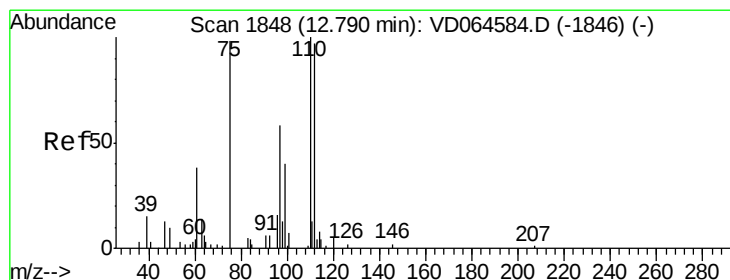
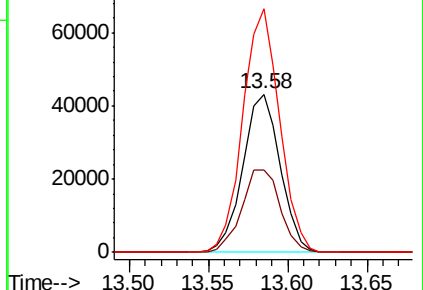
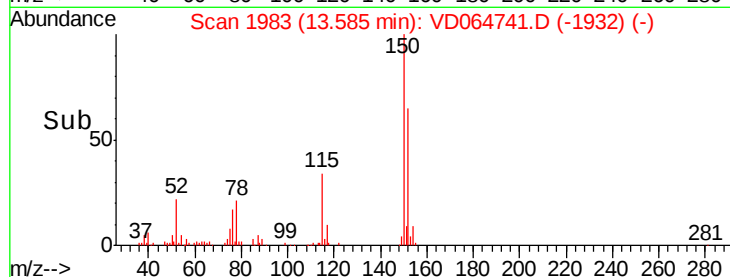
150 151.4 0.0 351.4



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: 55.834 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064741.D

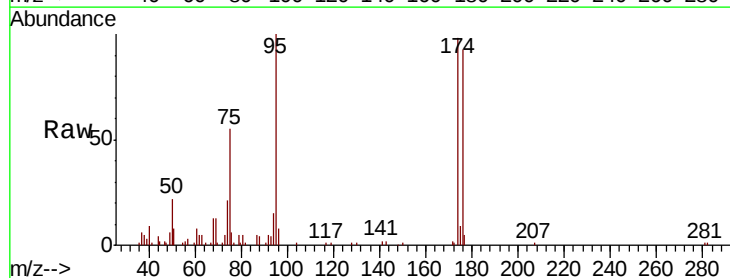
Acq: 03 Jan 2020 18:29

Tgt Ion: 75 Resp: 31085

Ion Ratio Lower Upper

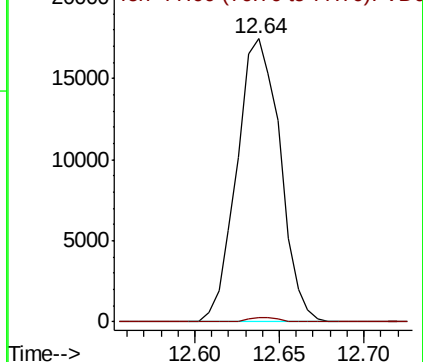
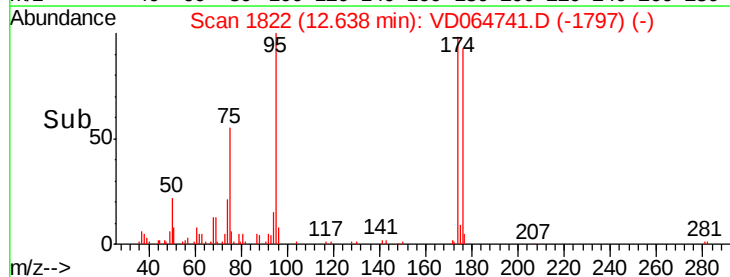
75 100

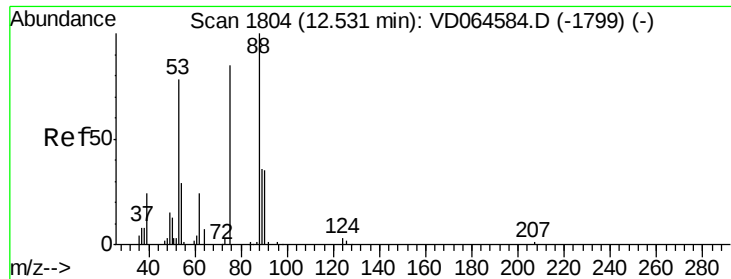
77 1.0 0.0 0.0#



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: 116.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064741.D

Acq: 03 Jan 2020 18:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 31085

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

