

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066832.D
 Acq On : 23 Sep 2020 14:06
 Operator : VA/SY
 Sample : L4106-01
 Misc : 8.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GLOUCESTER-SP

Quant Time: Sep 23 15:02:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	725088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	715158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298752	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	225197	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
35) Dibromofluoromethane	7.91	113	236105	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.34	98	890031	56.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.26%	
62) 4-Bromofluorobenzene	12.63	95	289412	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	

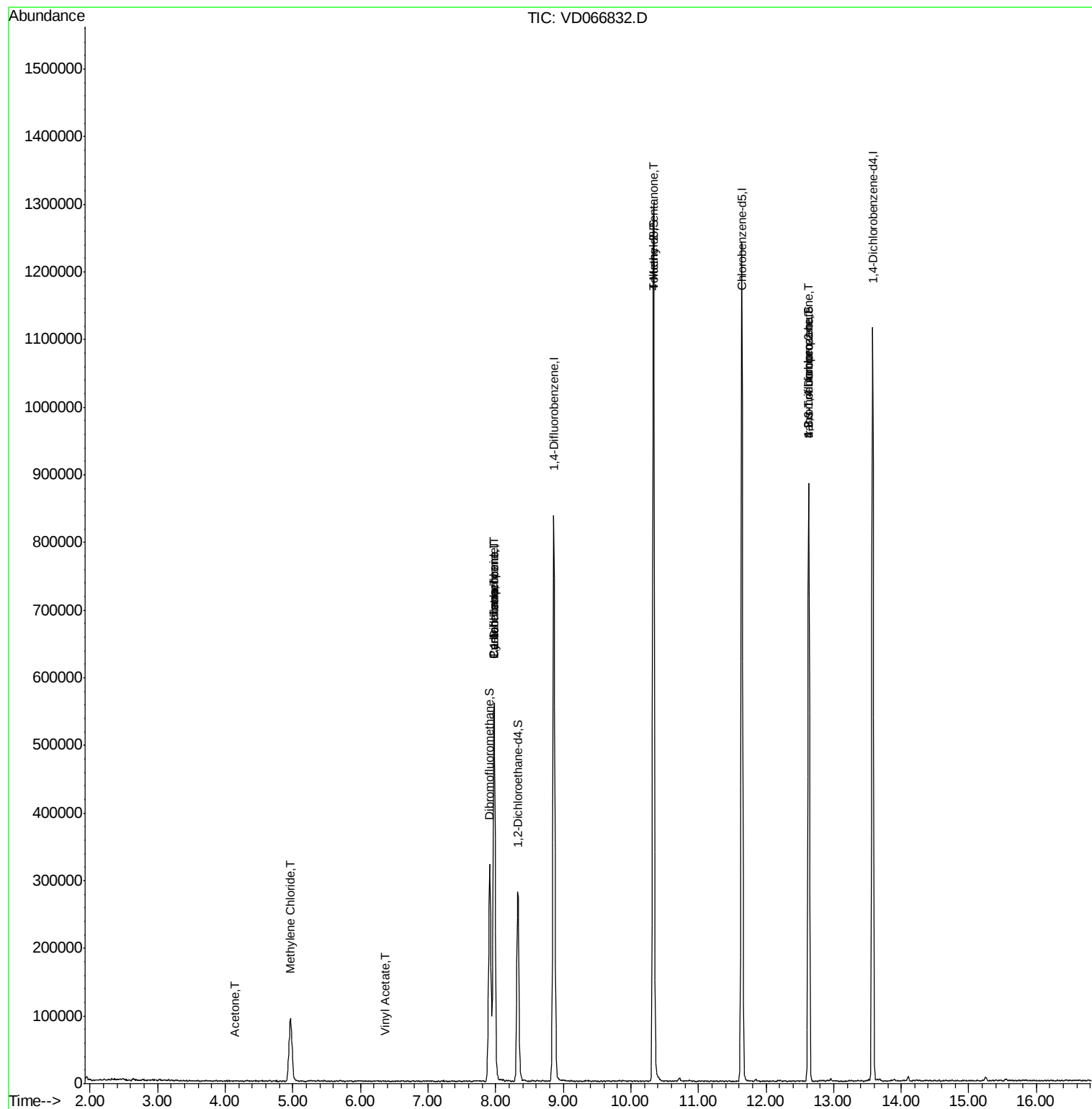
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	351	Below Cal	#	46
16) Acetone	4.16	43	1306	1.584	ug/l #	43
18) Methyl Acetate	4.81	43	54	Below Cal	#	50
20) Methylene Chloride	4.96	84	73391	12.078	ug/l	96
23) Vinyl Acetate	6.37	43	63	2.682	ug/l #	71
31) Cyclohexane	7.97	56	9510	1.346	ug/l #	2
36) 1,1-Dichloropropene	7.97	75	33219	4.618	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42427	5.395	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3500	1.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	152622	61.645	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152622	154.230	ug/l #	10

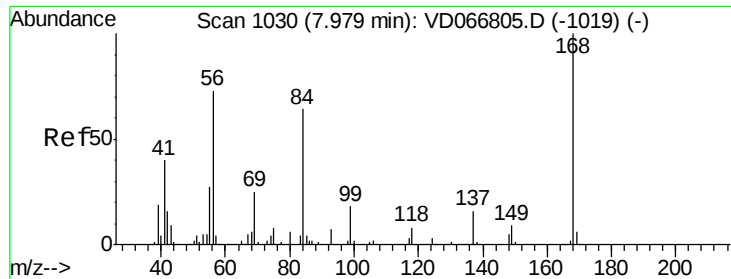
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

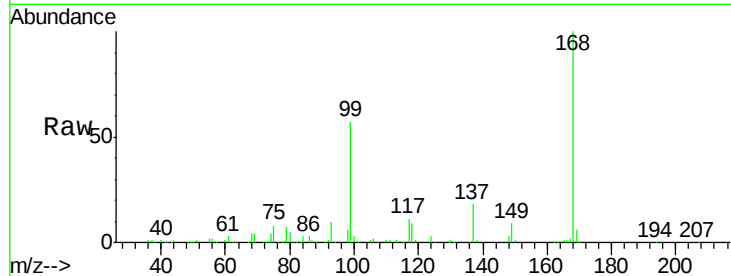
GLOUCESTER-SP

Tgt Ion:168 Resp: 397103

Ion Ratio Lower Upper

168 100

99 57.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

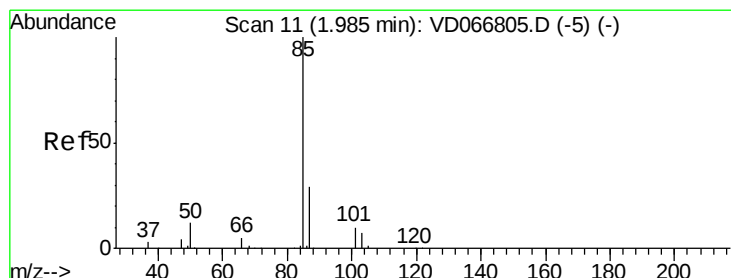
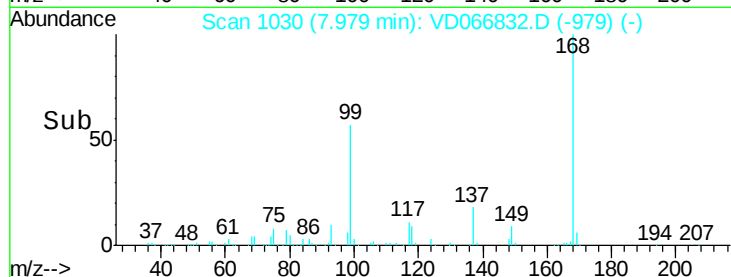
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066832.D

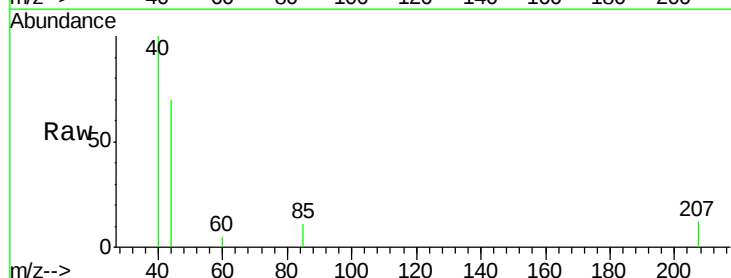
Acq: 23 Sep 2020 14:06

Tgt Ion: 85 Resp: 351

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

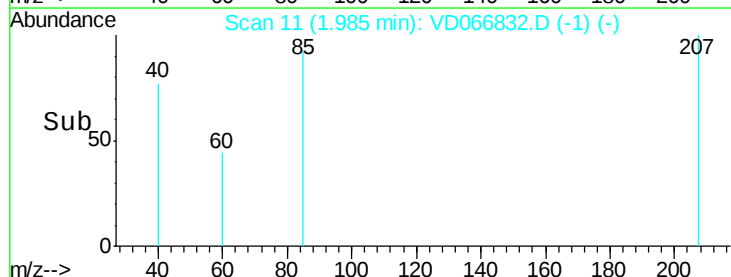
300

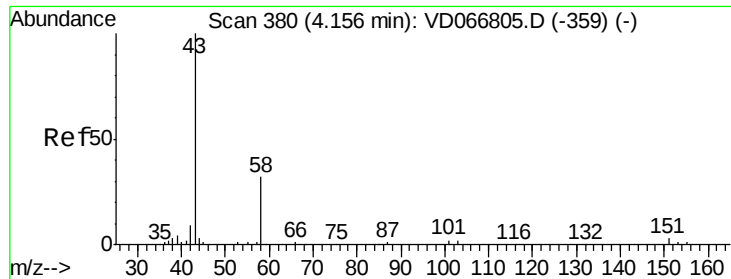
200

100

0

Time-->





#16

Acetone

Concen: 1.584 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

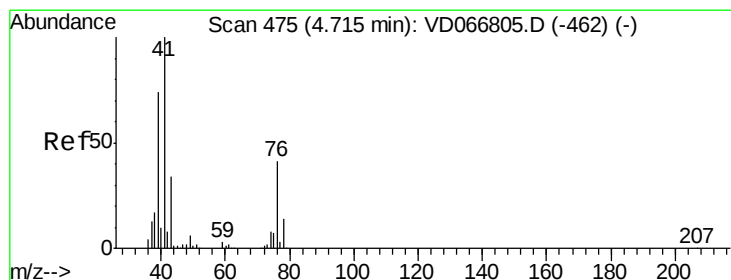
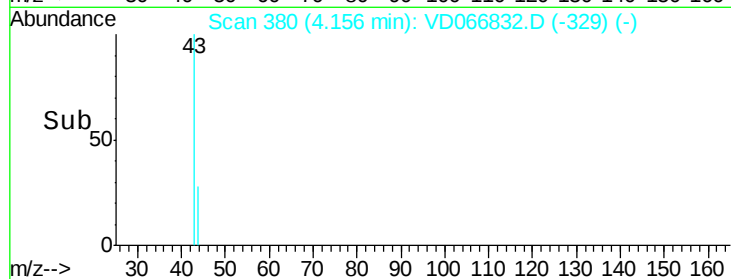
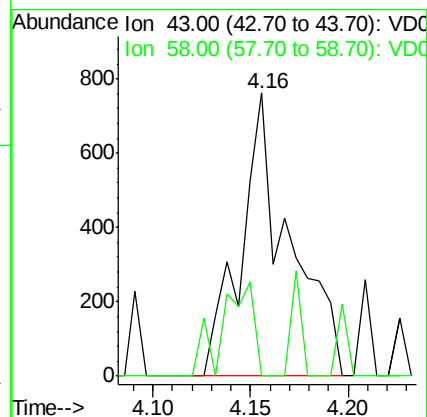
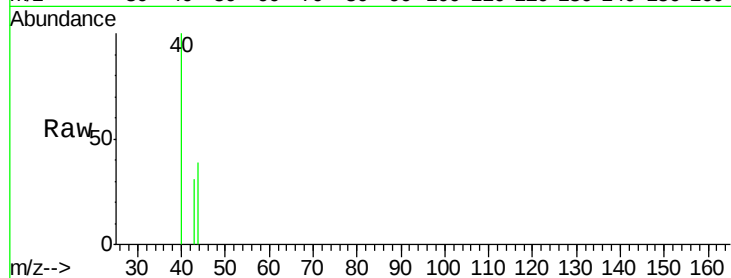
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Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

58 0.0 25.6 38.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.81 min Scan# 491

Delta R.T. 0.09 min

Lab File: VD066832.D

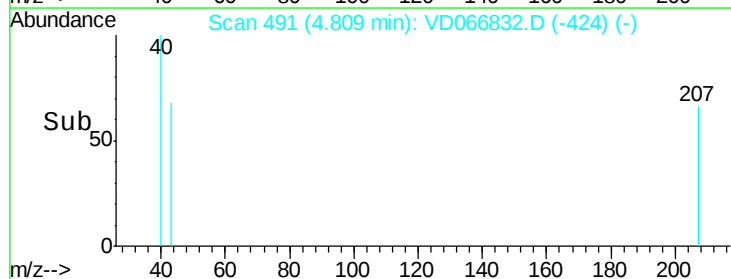
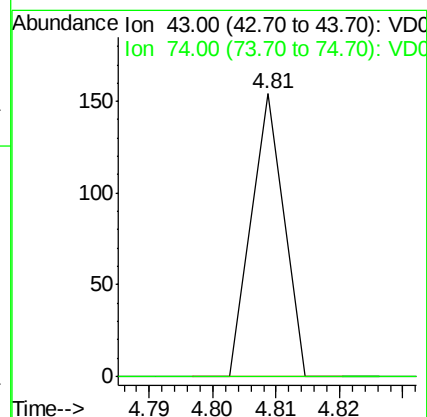
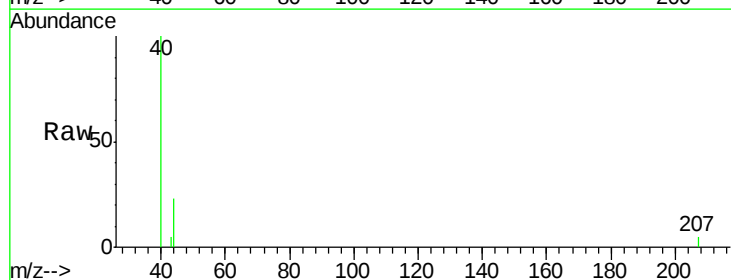
Acq: 23 Sep 2020 14:06

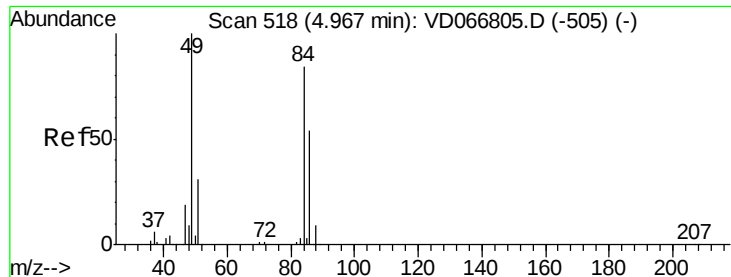
Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#

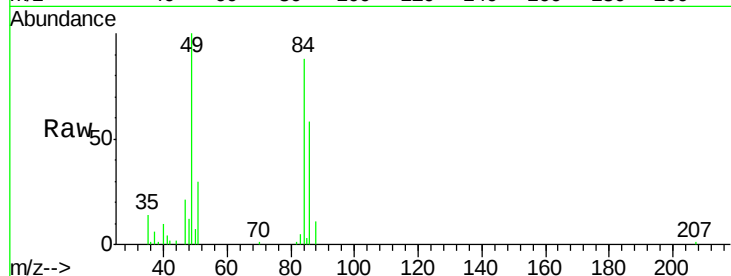




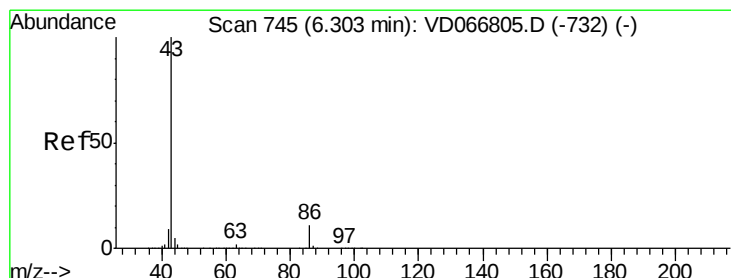
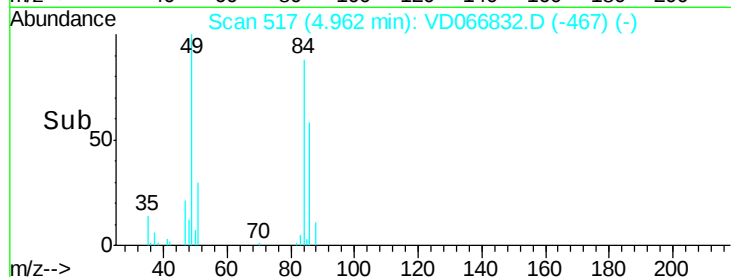
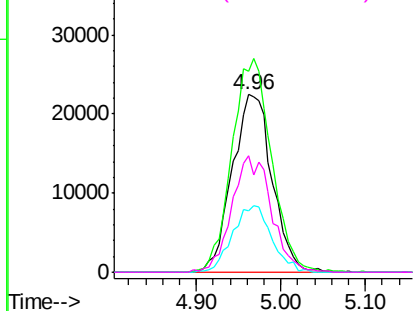
#20
Methylene Chloride
Concen: 12.078 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
GLOUCESTER-SP

Tgt Ion: 84 Resp: 73391
Ion Ratio Lower Upper
84 100
49 113.1 95.4 143.2
51 34.5 29.7 44.5
86 65.5 51.4 77.2

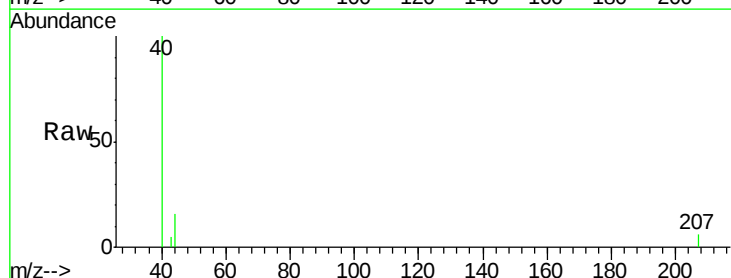


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

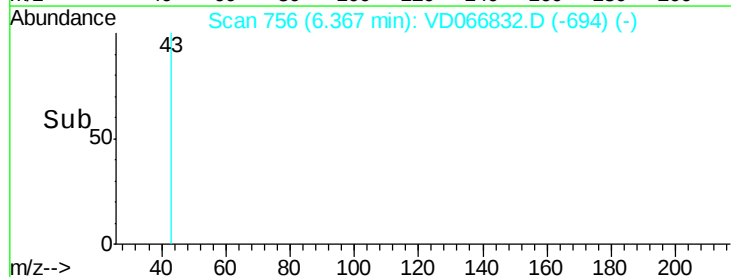
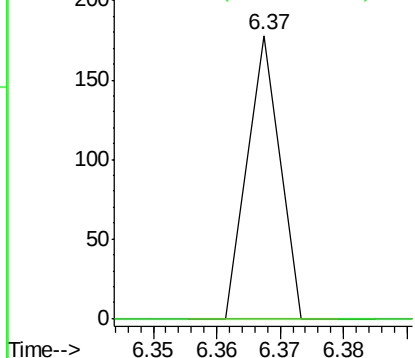


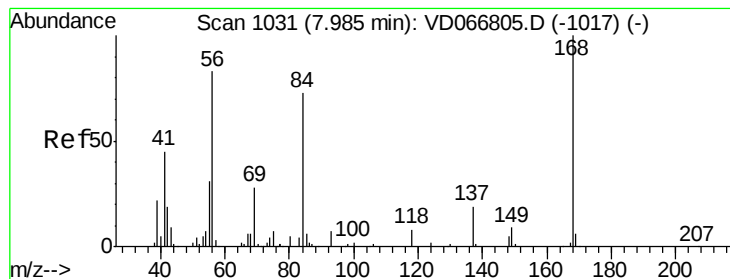
#23
Vinyl Acetate
Concen: 2.682 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.07 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

GLOUCESTER-SP

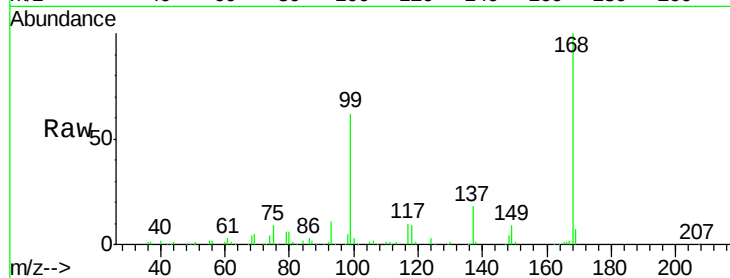
Tgt Ion: 56 Resp: 9510

Ion Ratio Lower Upper

56 100

69 207.2 27.0 40.4#

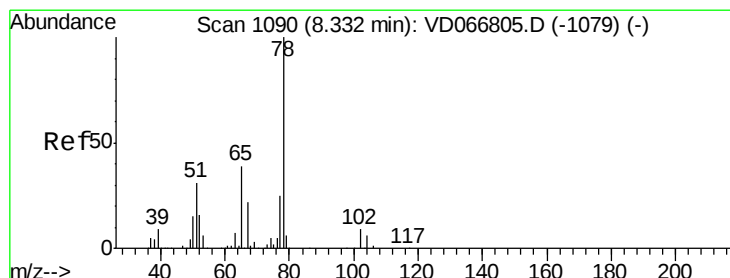
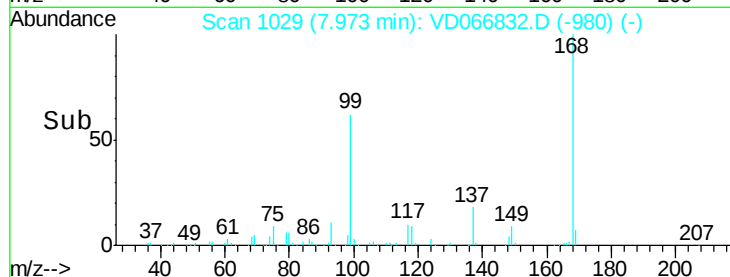
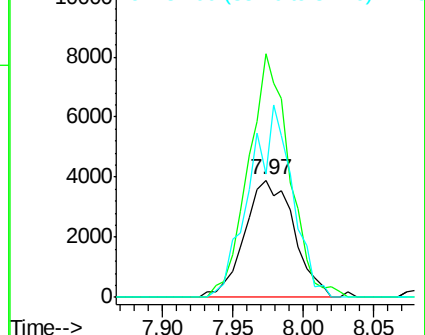
84 105.3 70.2 105.4



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: 57.941 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066832.D

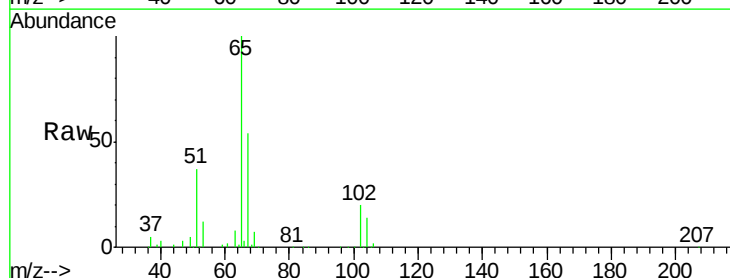
Acq: 23 Sep 2020 14:06

Tgt Ion: 65 Resp: 225197

Ion Ratio Lower Upper

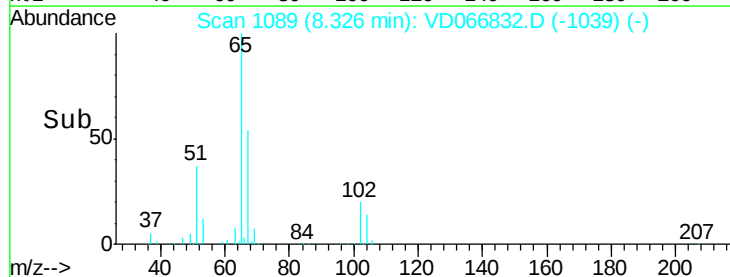
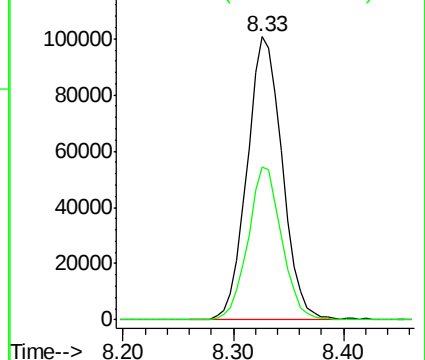
65 100

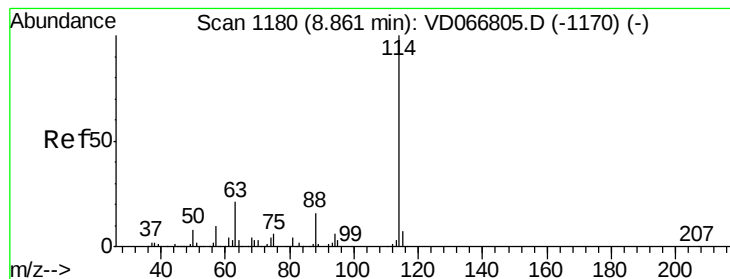
67 51.9 0.0 107.2



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

GLOUCESTER-SP

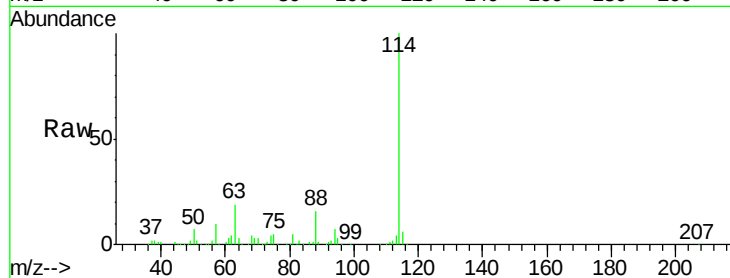
Tgt Ion:114 Resp: 725088

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

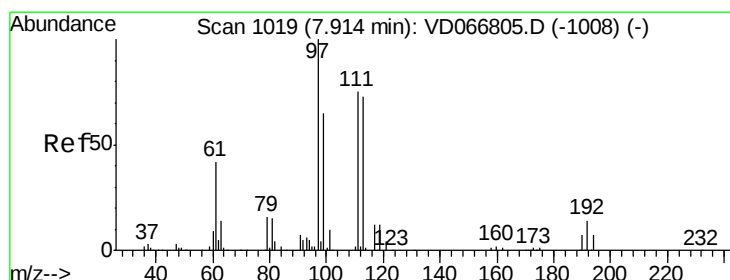
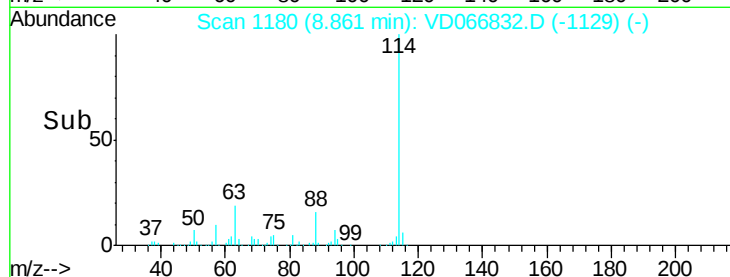
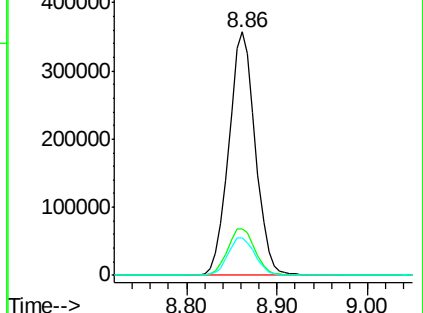
88 15.6 0.0 32.6



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: 51.182 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

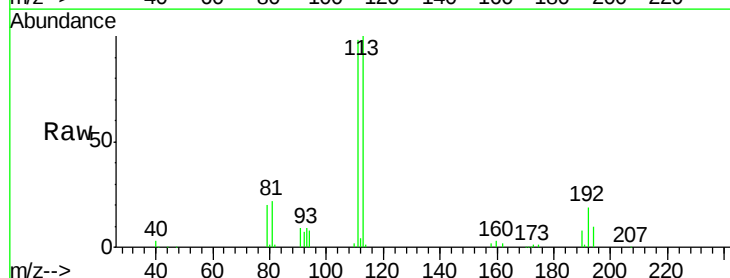
Tgt Ion:113 Resp: 236105

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

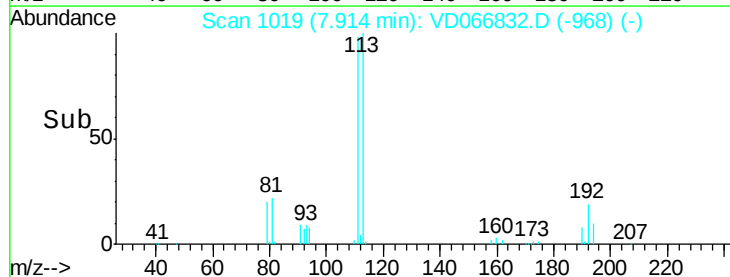
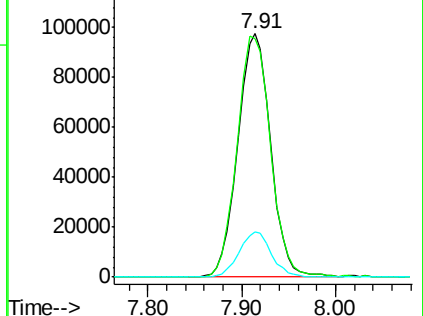
192 18.2 14.4 21.6

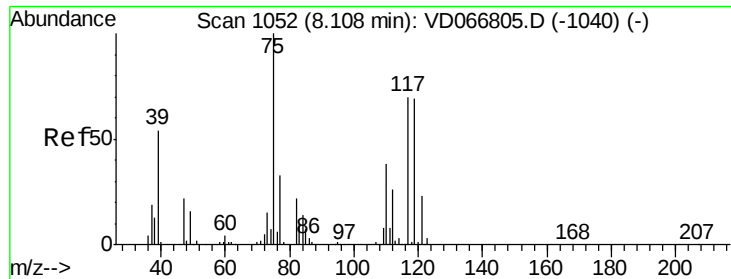


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

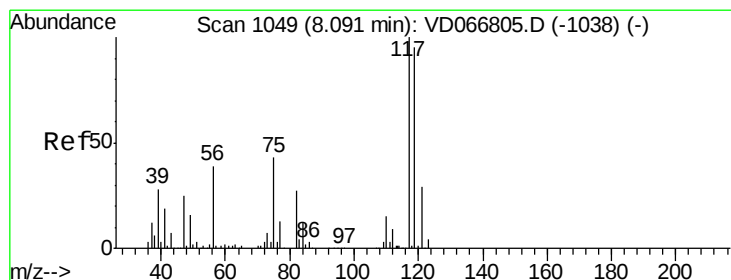
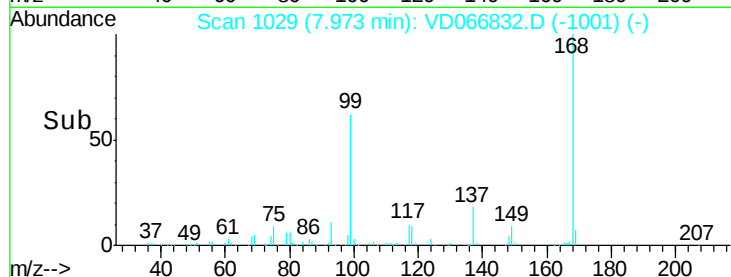
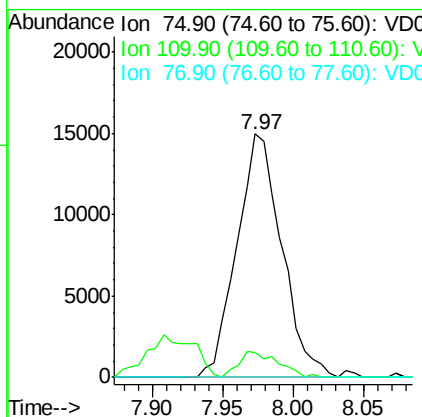
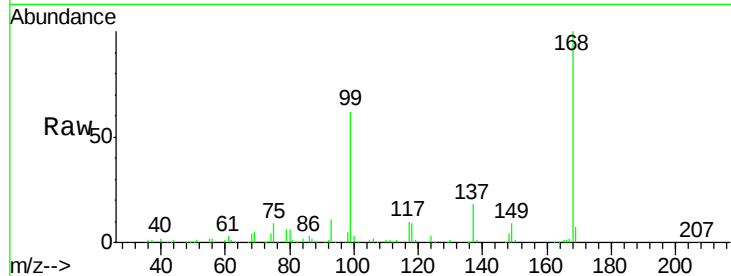




#36
 1,1-Dichloropropene
 Concen: 4.618 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066832.D
 Acq: 23 Sep 2020 14:06

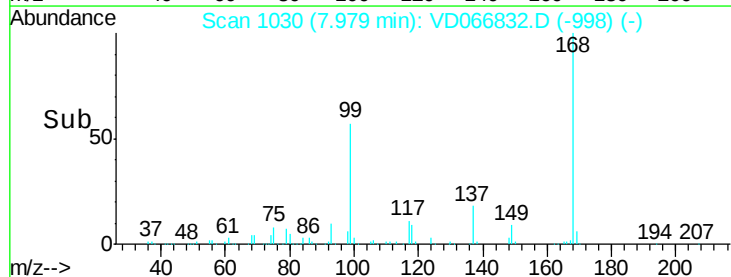
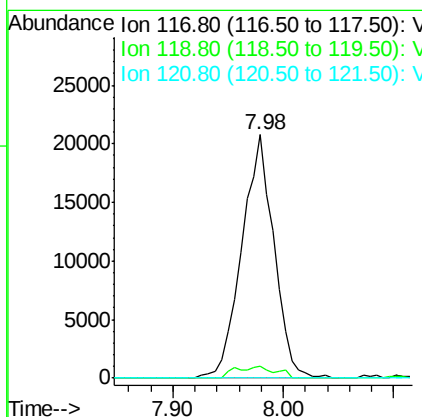
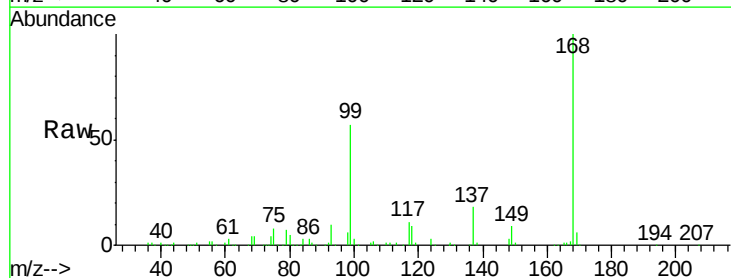
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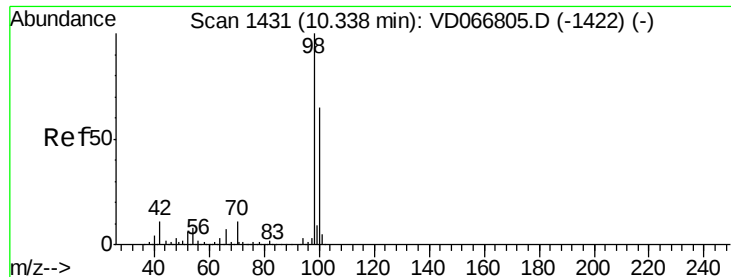
Tgt Ion: 75 Resp: 33219
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.9 53.8#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.395 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066832.D
 Acq: 23 Sep 2020 14:06

Tgt Ion: 117 Resp: 42427
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.8 113.8#
 121 0.0 23.4 35.0#

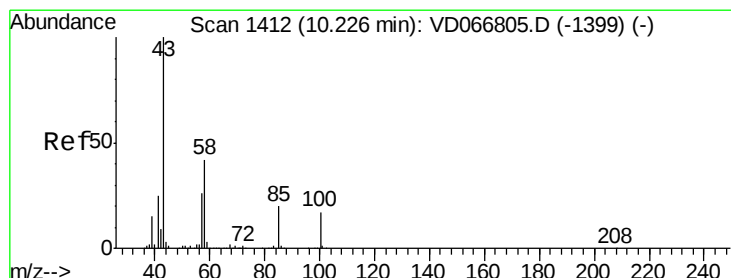
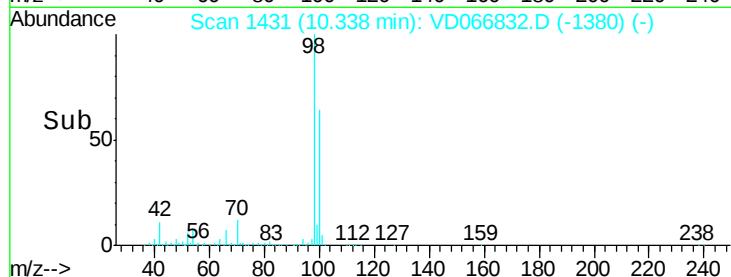
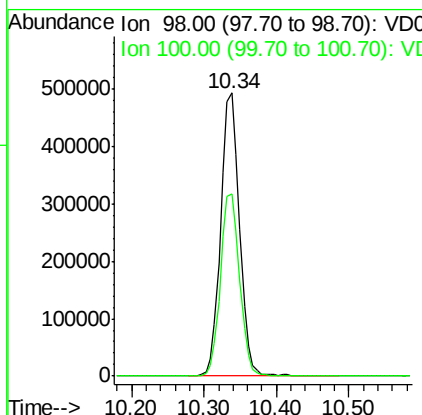
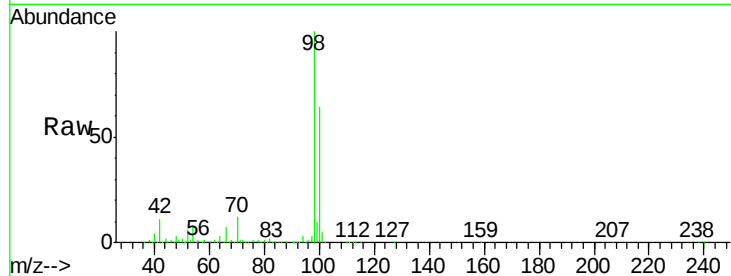




#50
Toluene-d8
Concen: 56.627 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

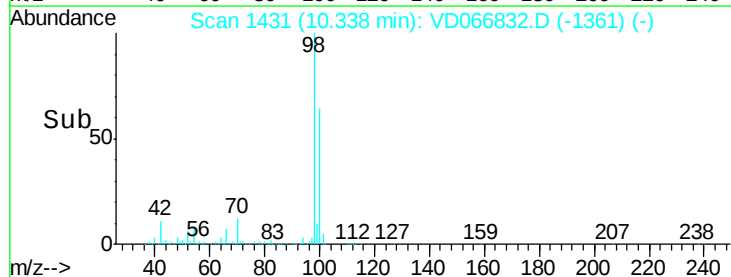
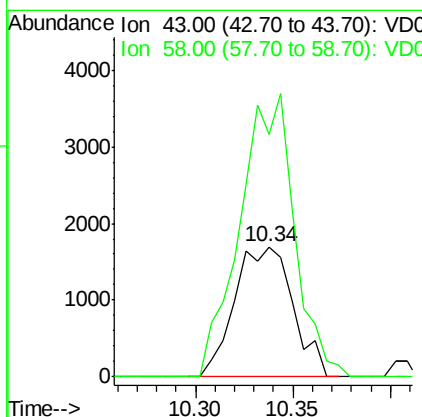
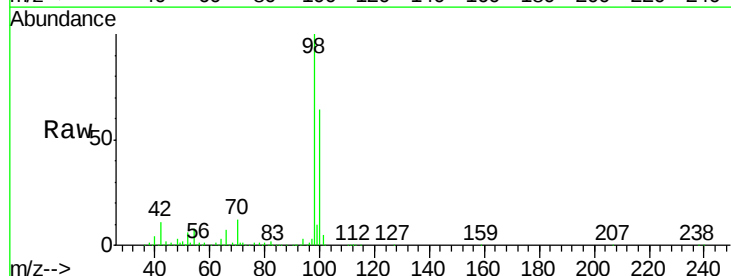
Instrument :
MSVOA_D
ClientSampleId :
GLOUCESTER-SP

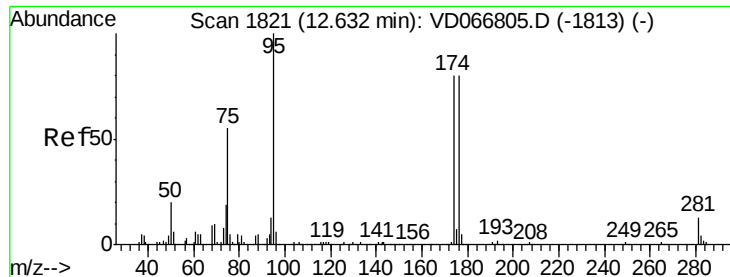
Tgt Ion: 98 Resp: 890031
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.378 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 203.9 32.2 48.4#

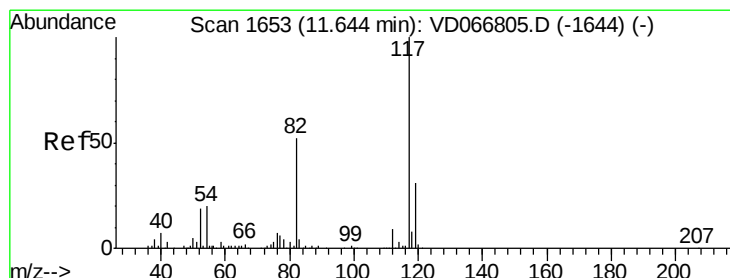
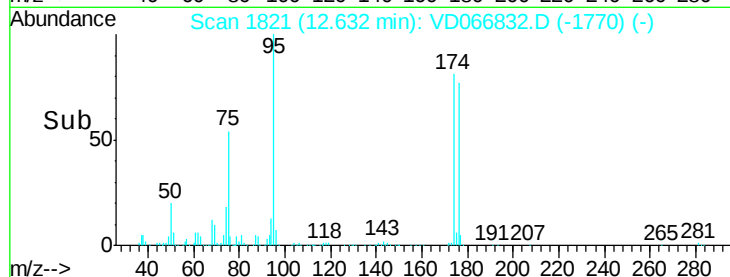
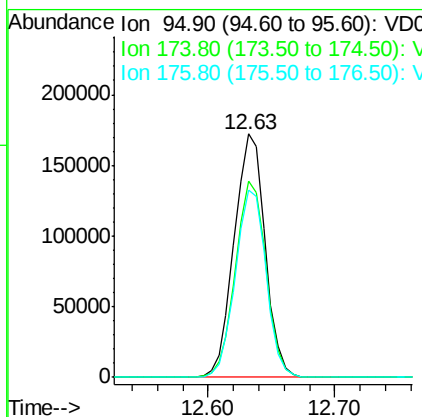
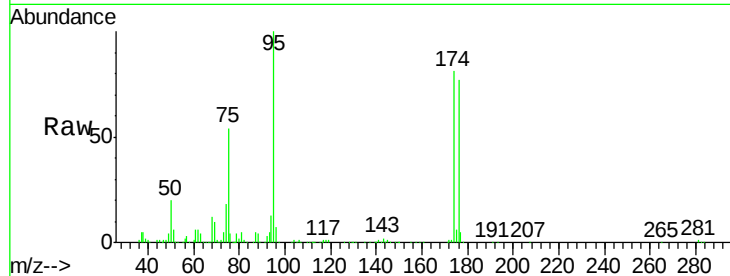




#62
4-Bromofluorobenzene
Concen: 53.788 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

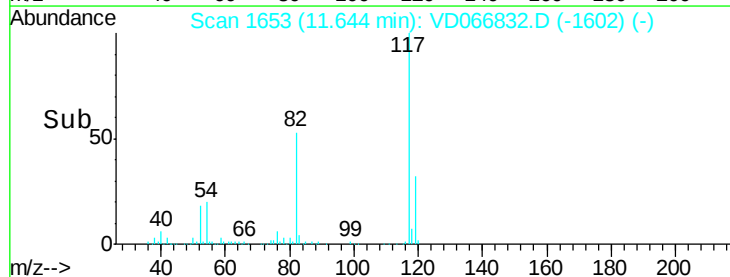
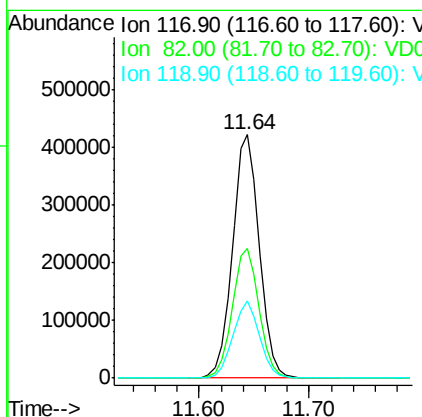
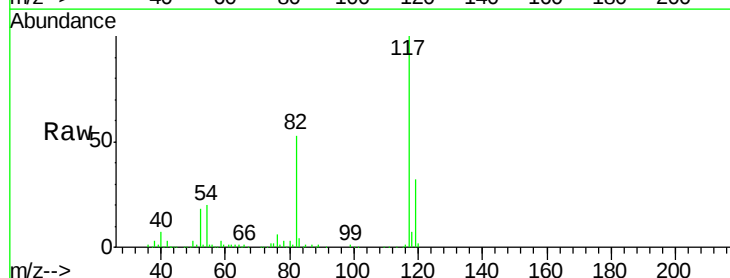
Instrument :
MSVOA_D
ClientSampleId :
GLOUCESTER-SP

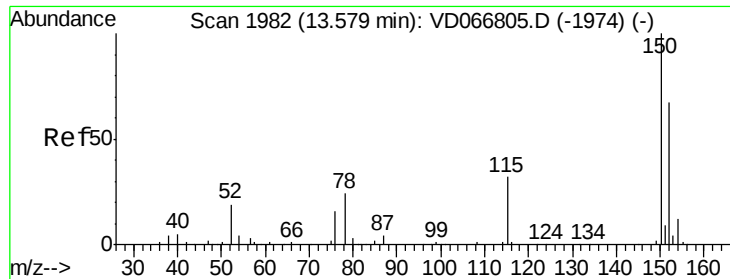
Tgt Ion: 95 Resp: 289412
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.8
176 76.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066832.D
Acq: 23 Sep 2020 14:06

Tgt Ion: 117 Resp: 715158
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.6
119 31.6 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

GLOUCESTER-SP

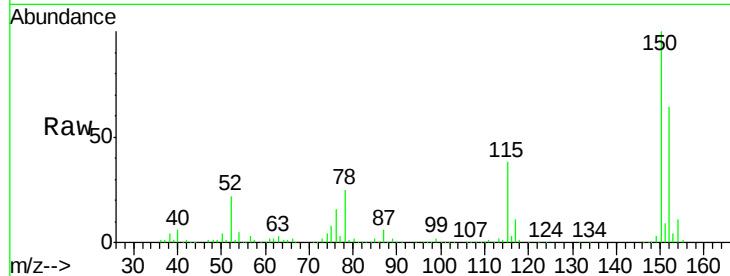
Tgt Ion:152 Resp: 298752

Ion Ratio Lower Upper

152 100

115 59.8 30.3 91.0

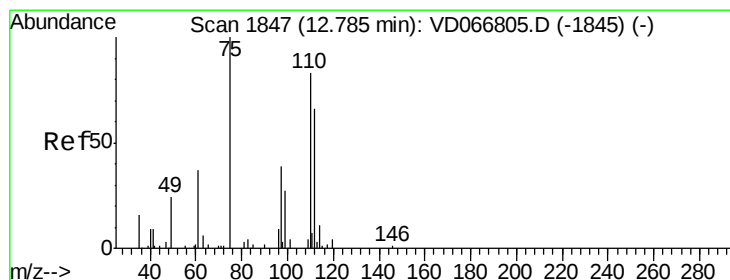
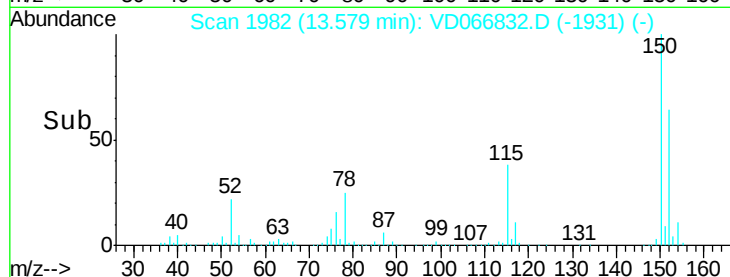
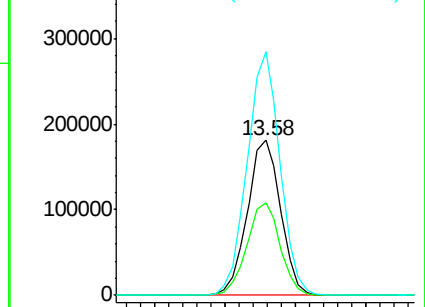
150 154.8 0.0 346.2



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: 61.645 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066832.D

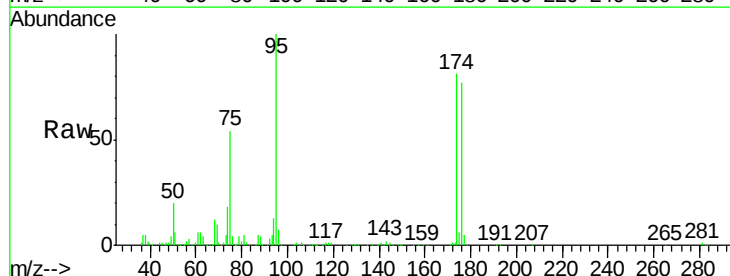
Acq: 23 Sep 2020 14:06

Tgt Ion: 75 Resp: 152622

Ion Ratio Lower Upper

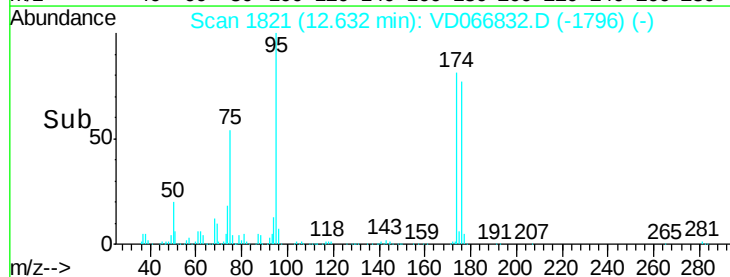
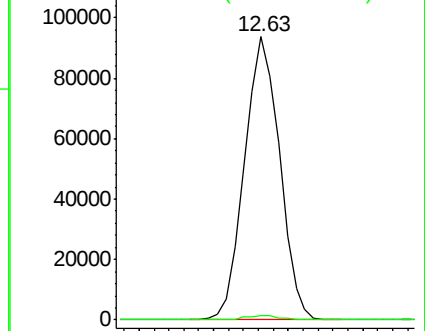
75 100

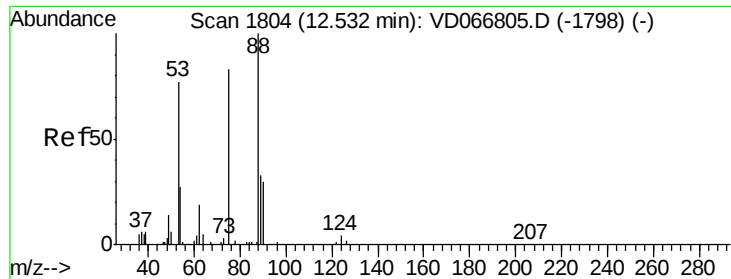
77 1.4 0.0 0.0#



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: 154.230 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066832.D

Acq: 23 Sep 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

GLOUCESTER-SP

Tgt Ion: 75 Resp: 152622

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 38.1 57.1#

