

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066709.D
 Acq On : 15 Sep 2020 21:10
 Operator : VA/SY
 Sample : L4009-01
 Misc : 6.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HAYES-SEYMOUR-01

Quant Time: Sep 16 01:46:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	377259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	711848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	711804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	294742	73.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.46%	
35) Dibromofluoromethane	7.91	113	254868	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.34	98	891274	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
62) 4-Bromofluorobenzene	12.63	95	317772	59.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.42%	

Target Compounds

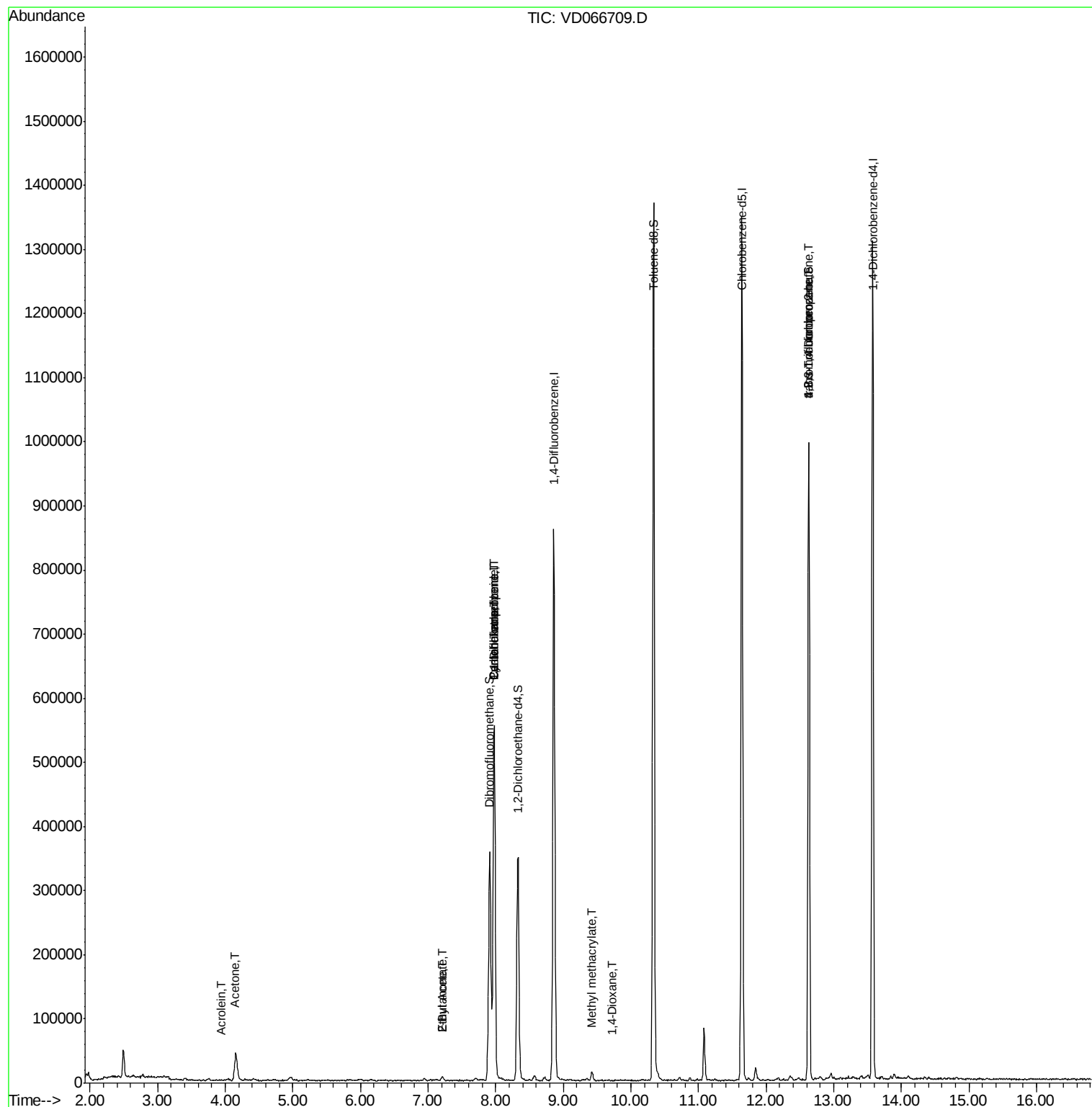
						Qvalue
2) Dichlorodifluoromethane	1.98	85	775	Below Cal		94
11) Tert butyl alcohol	5.21	59	325	Below Cal	#	76
13) Acrolein	3.93	56	341	1.201	ug/l #	70
16) Acetone	4.15	43	77402	94.430	ug/l	92
18) Methyl Acetate	4.74	43	748	Below Cal	#	52
20) Methylene Chloride	4.97	84	3806	Below Cal	#	57
25) 2-Butanone	7.21	43	6852	6.420	ug/l #	77
31) Cyclohexane	7.97	56	11310	1.591	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	35568	4.860	ug/l #	51
37) Ethyl Acetate	7.21	43	6852	2.473	ug/l #	70
38) Carbon Tetrachloride	7.97	117	41796	5.378	ug/l #	18
48) Methyl methacrylate	9.42	41	3959	1.492	ug/l #	43
49) 1,4-Dioxane	9.71	88	54	1.874	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	182260	67.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	182260	145.688	ug/l #	8

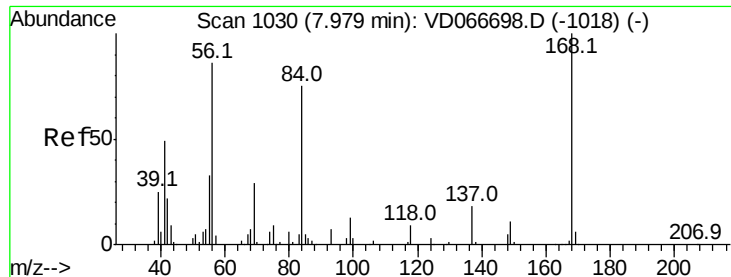
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
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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: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

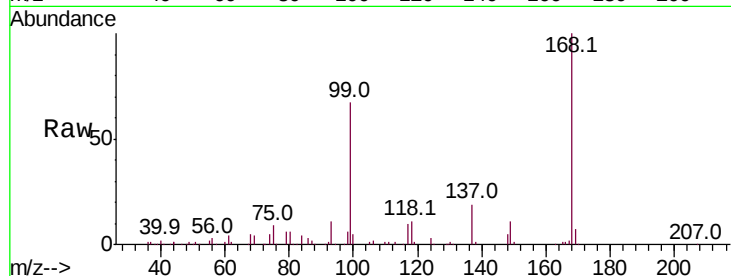
HAYES-SEYMOUR-01

Tot Ion:168 Resp: 377259

Ion Ratio Lower Upper

168 100

99 66.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

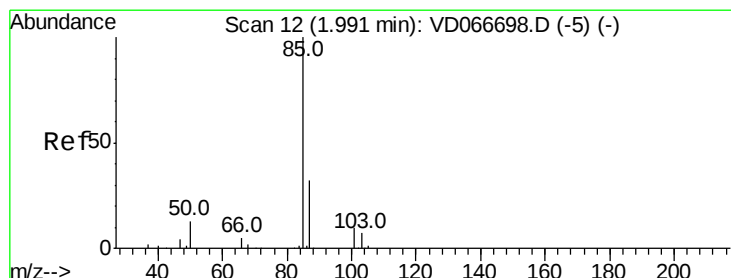
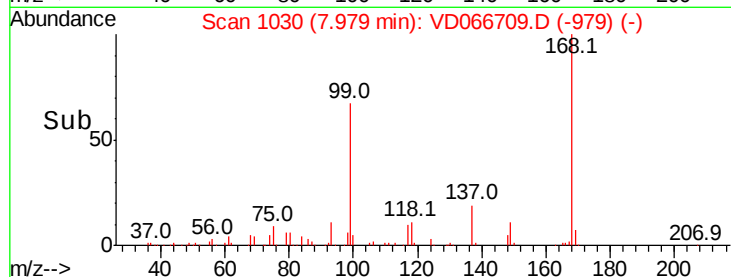
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066709.D

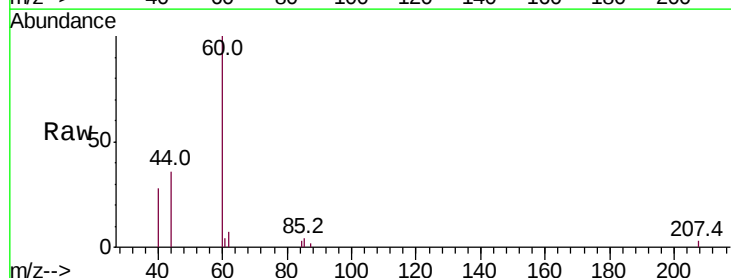
Acq: 15 Sep 2020 21:10

Tgt Ion: 85 Resp: 775

Ion Ratio Lower Upper

85 100

87 28.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

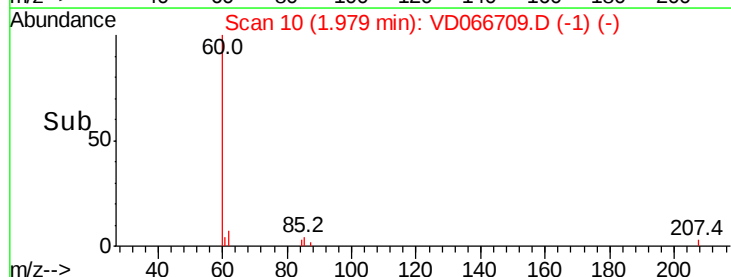
600

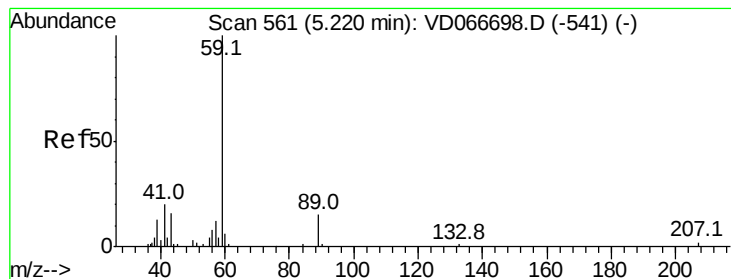
400

200

0

Time-->



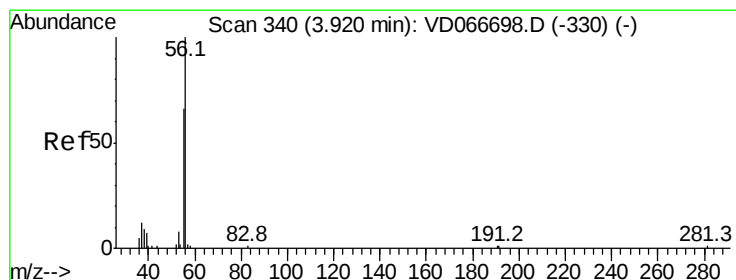
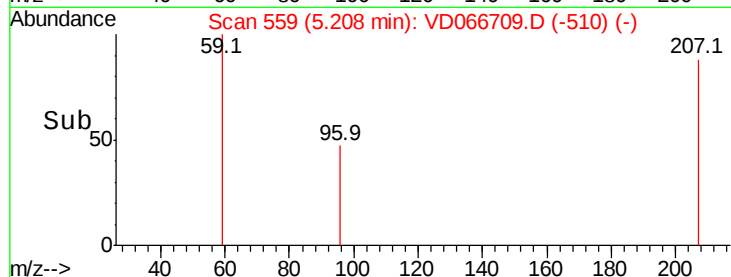
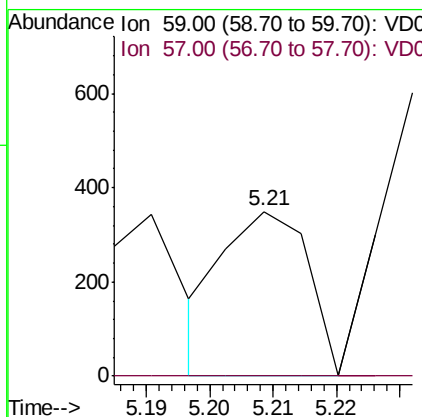
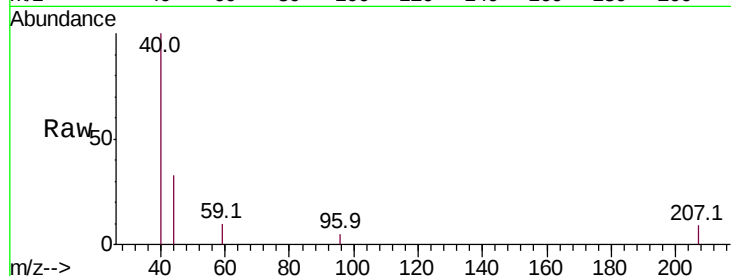


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066709.D
 Acq: 15 Sep 2020 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 HAYES-SEYMOUR-01

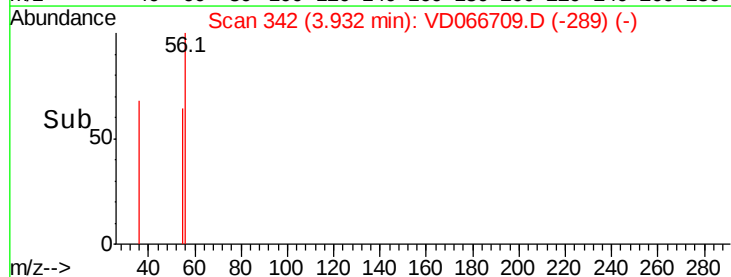
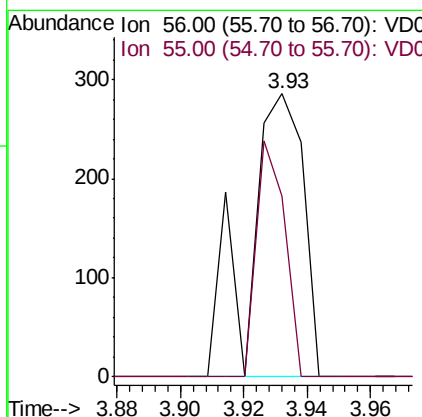
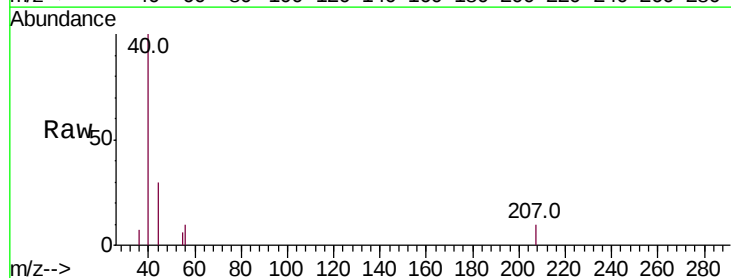
Tot Ion: 59 Resp: 325
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

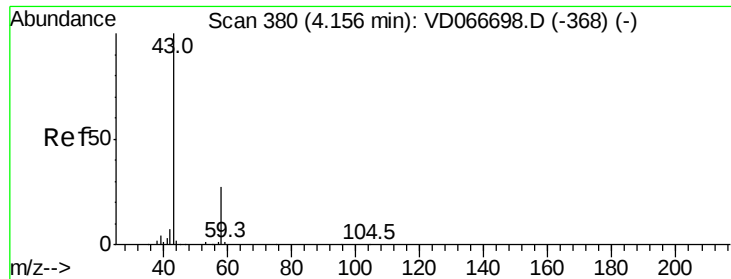


#13

Acrolein
 Concen: 1.201 ug/l
 RT: 3.93 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VD066709.D
 Acq: 15 Sep 2020 21:10

Tgt Ion: 56 Resp: 341
 Ion Ratio Lower Upper
 56 100
 55 43.7 54.7 82.1#





#16

Acetone

Concen: 94.430 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

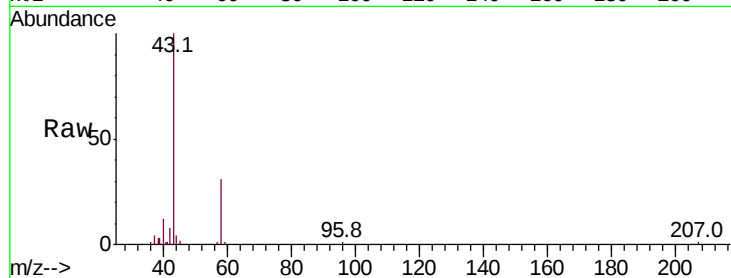
HAYES-SEYMOUR-01

Tot Ion: 43 Resp: 77402

Ion Ratio Lower Upper

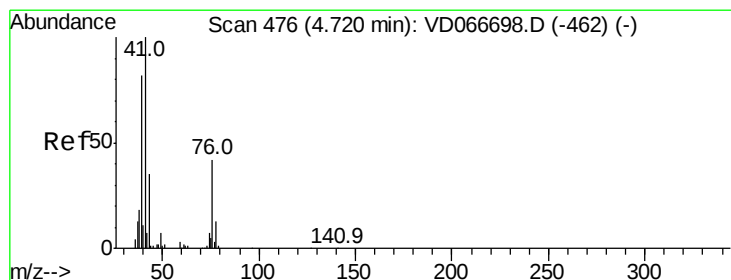
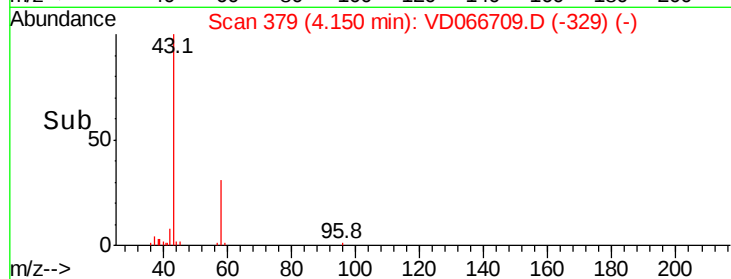
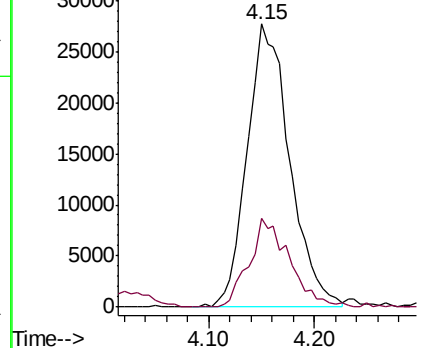
43 100

58 31.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.74 min Scan# 479

Delta R.T. 0.02 min

Lab File: VD066709.D

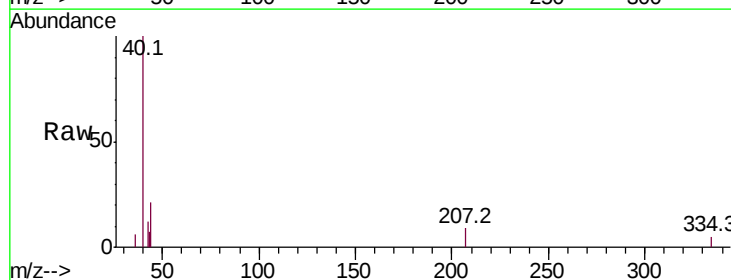
Acq: 15 Sep 2020 21:10

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

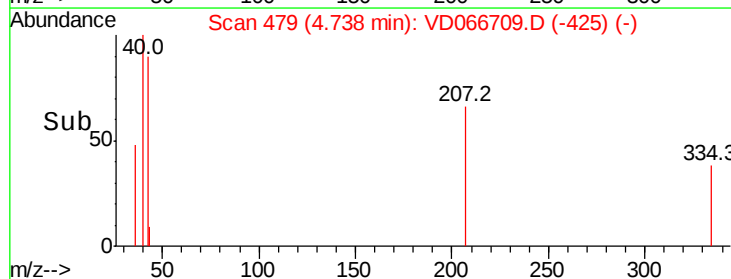
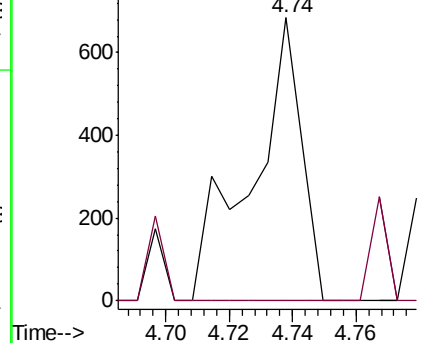
43 100

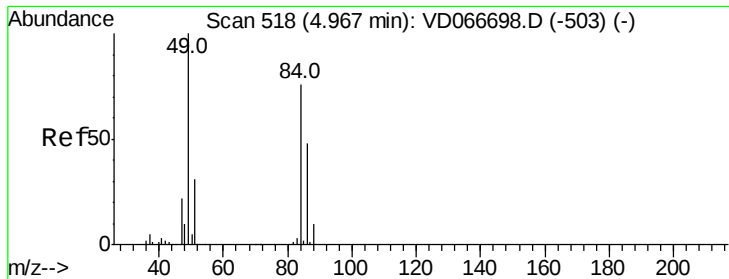
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

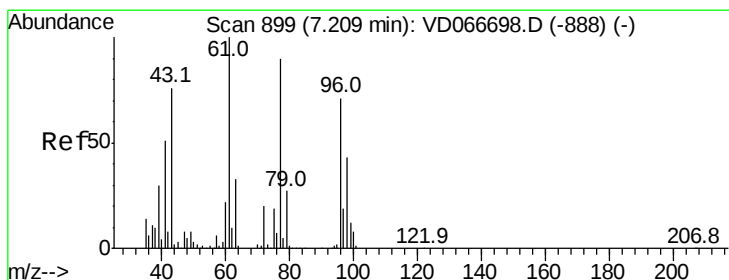
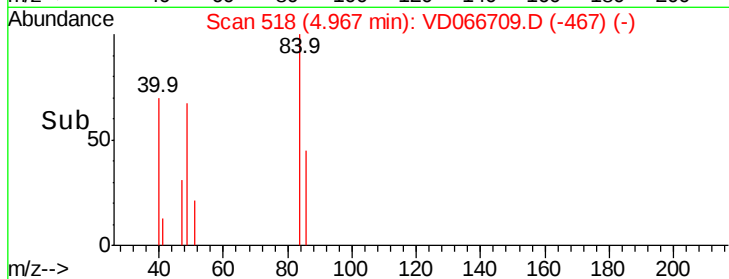
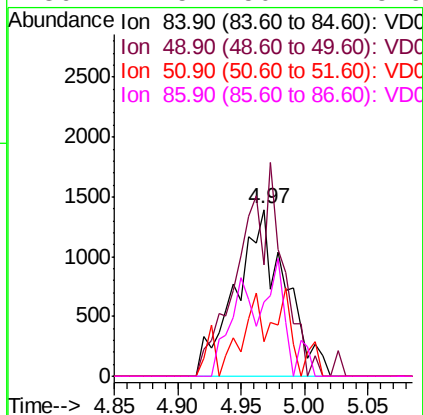
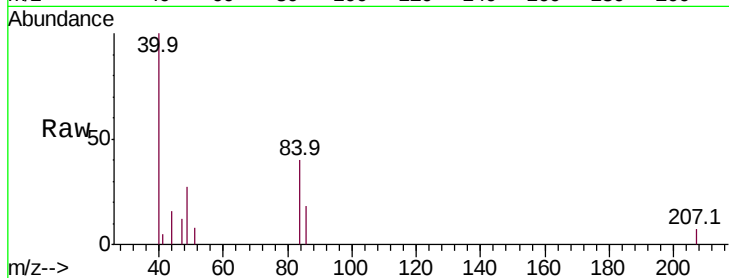




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

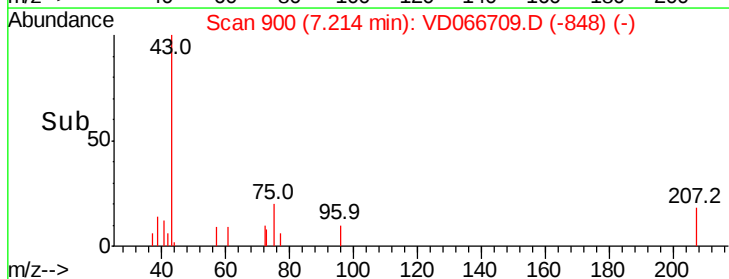
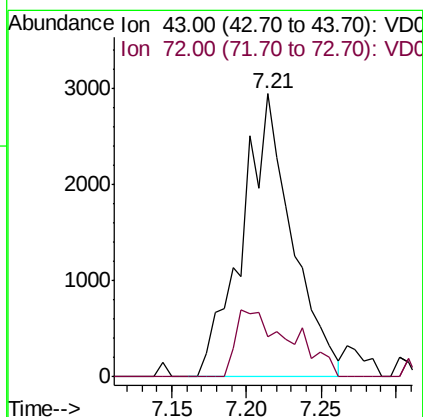
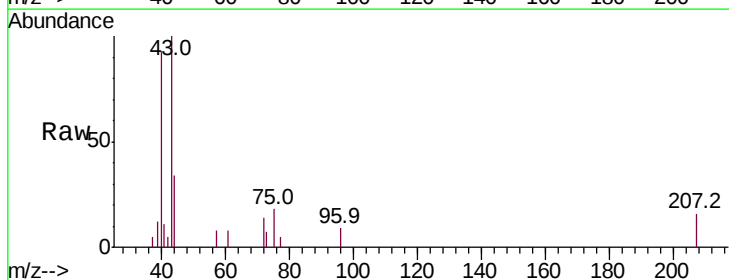
Instrument :
MSVOA_D
ClientSampleId :
HAYES-SEYMOUR-01

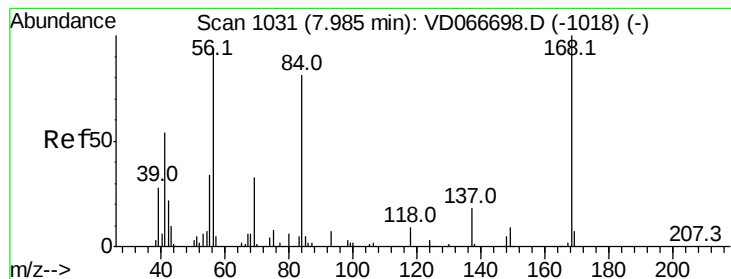
Tot Ion: 84 Resp: 3806
Ion Ratio Lower Upper
84 100
49 66.7 105.0 157.6#
51 20.8 32.2 48.4#
86 44.5 50.4 75.6#



#25
2-Butanone
Concen: 6.420 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

Tgt Ion: 43 Resp: 6852
Ion Ratio Lower Upper
43 100
72 14.3 21.0 31.4#





#31

Cyclohexane

Concen: 1.591 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

HAYES-SEYMOUR-01

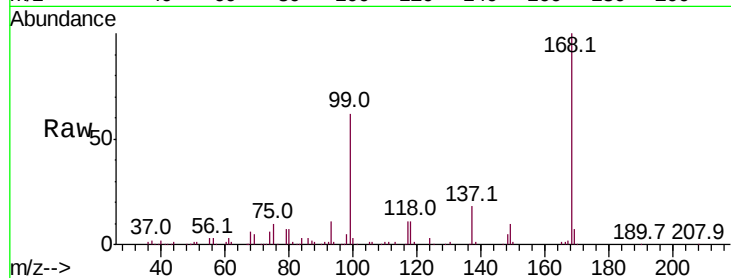
Tot Ion: 56 Resp: 11310

Ion Ratio Lower Upper

56 100

69 144.3 27.7 41.5#

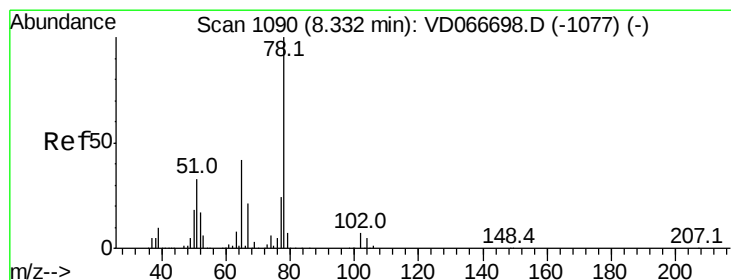
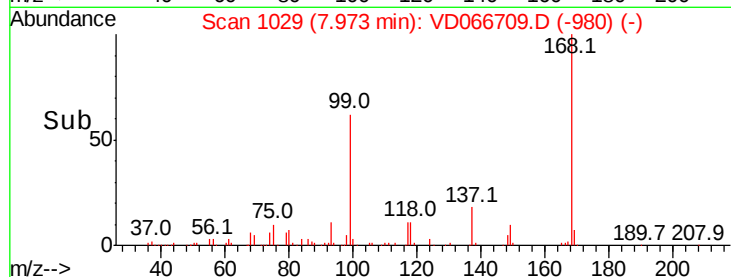
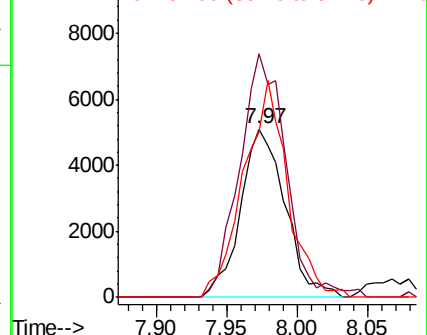
84 98.1 68.5 102.7



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: 73.226 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066709.D

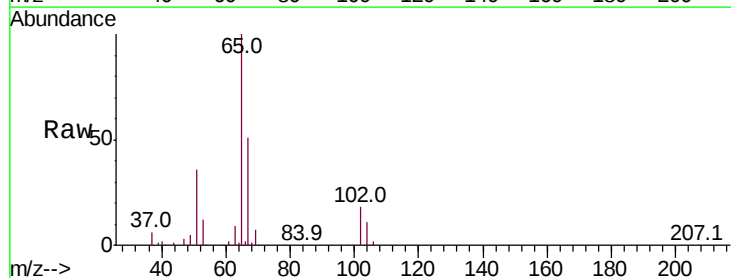
Acq: 15 Sep 2020 21:10

Tgt Ion: 65 Resp: 294742

Ion Ratio Lower Upper

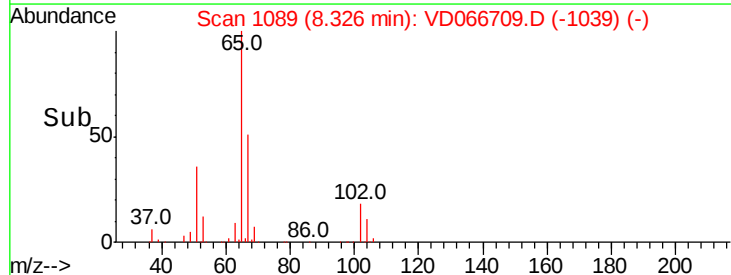
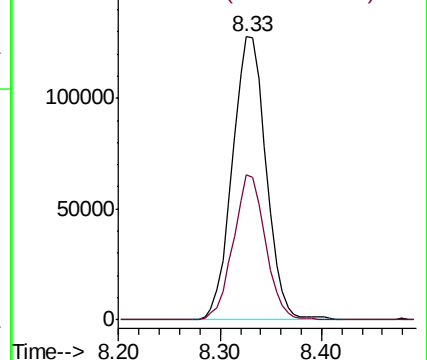
65 100

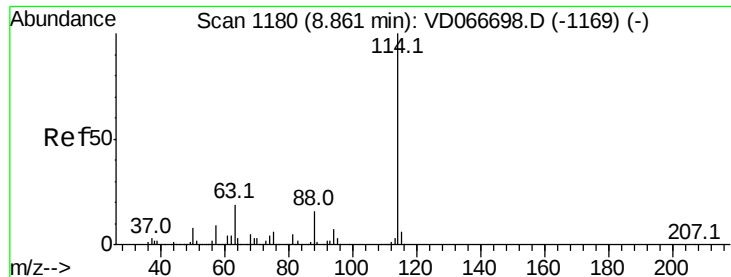
67 49.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

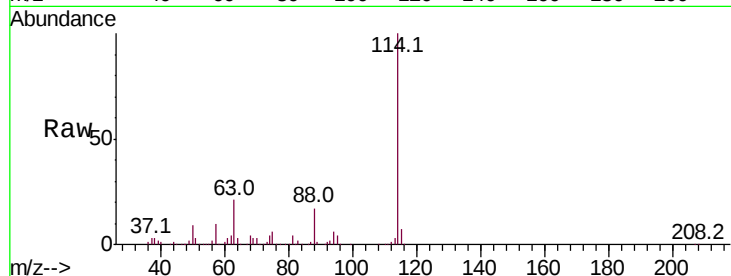




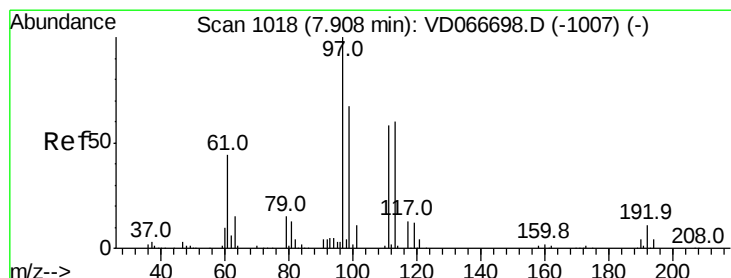
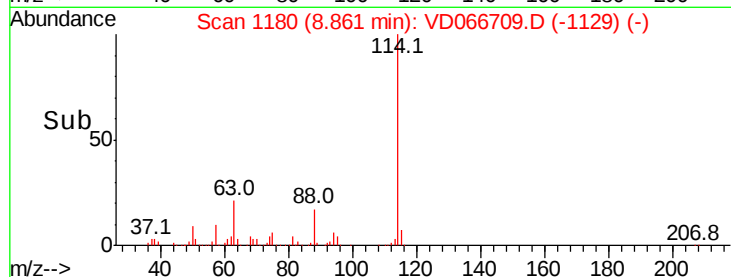
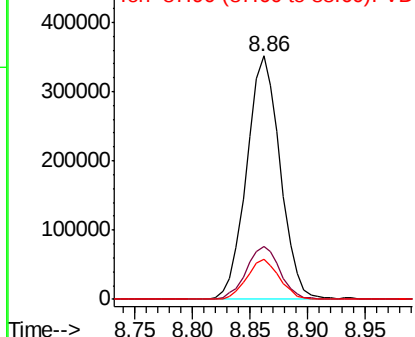
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066709.D
 Acq: 15 Sep 2020 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 HAYES-SEYMOUR-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	37.6
88	16.6	0.0	32.2

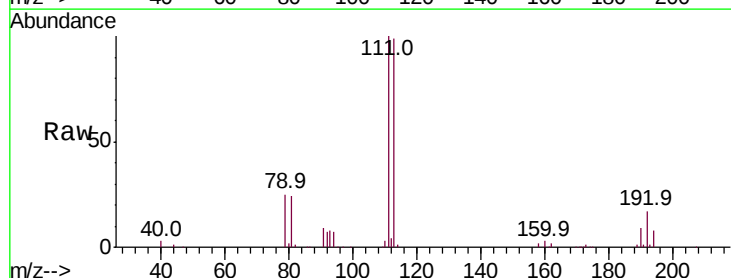


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

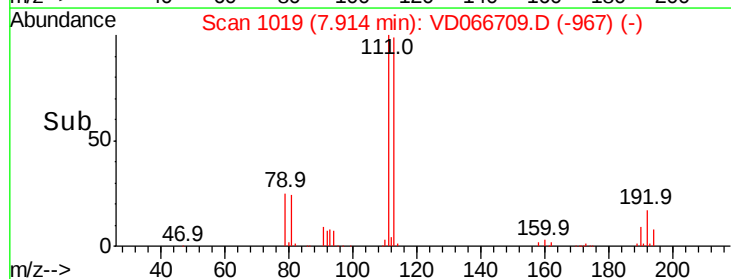
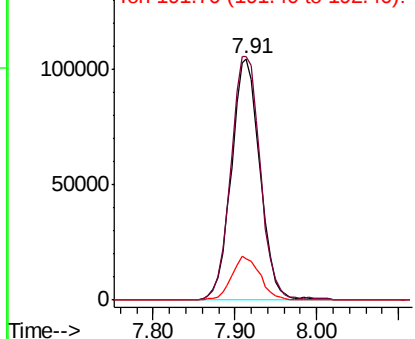


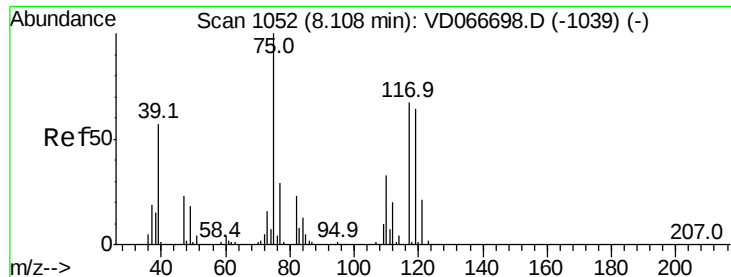
#35
 Dibromofluoromethane
 Concen: 58.398 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066709.D
 Acq: 15 Sep 2020 21:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.2	124.8
192	17.8	14.8	22.2



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: 4.860 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

HAYES-SEYMOUR-01

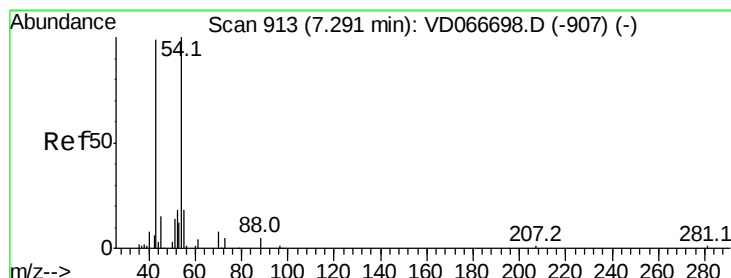
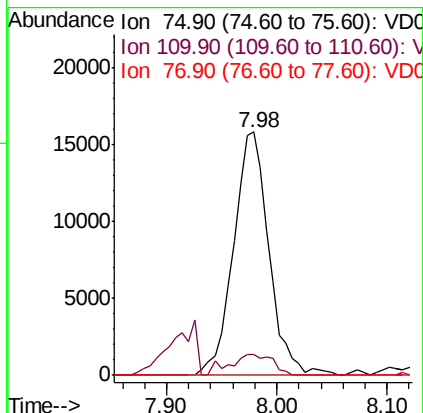
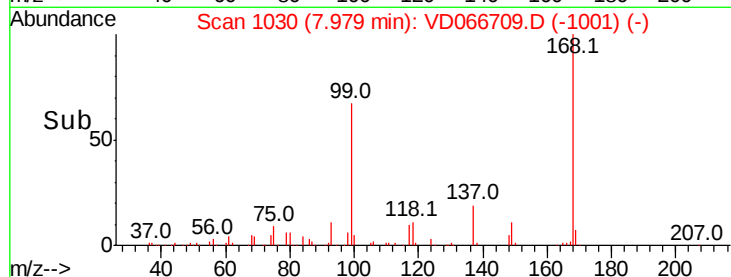
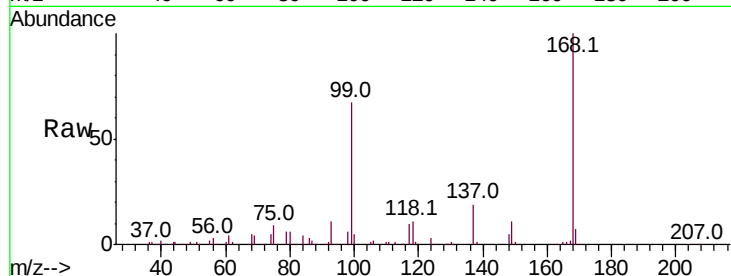
Tot Ion: 75 Resp: 35568

Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.2#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 2.473 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

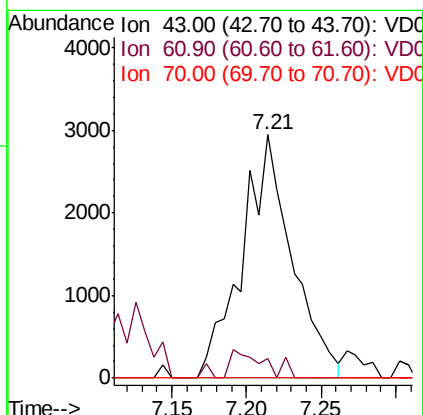
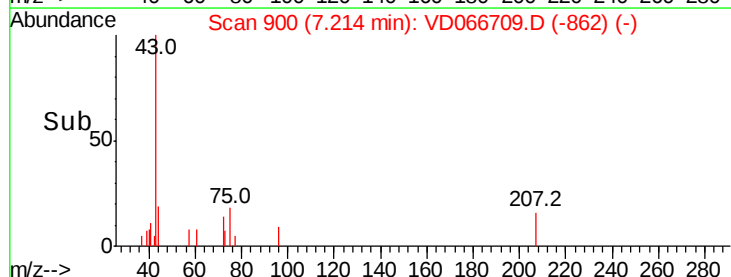
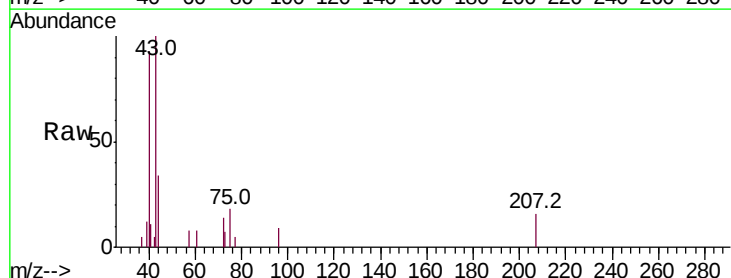
Tgt Ion: 43 Resp: 6852

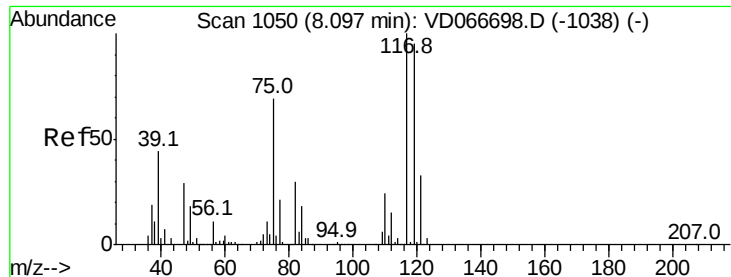
Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

HAYES-SEYMOUR-01

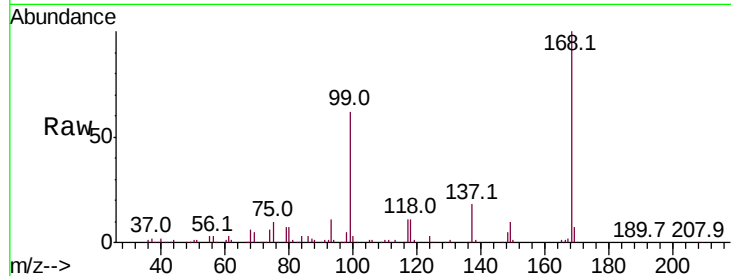
Tot Ion:117 Resp: 41796

Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

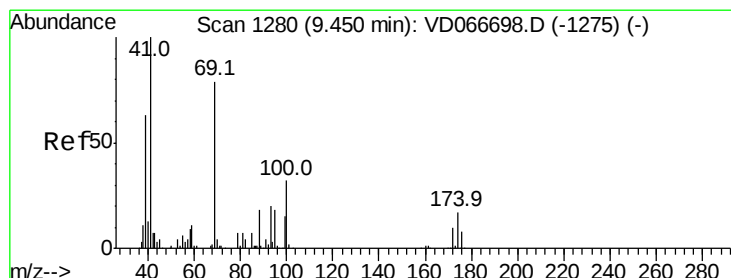
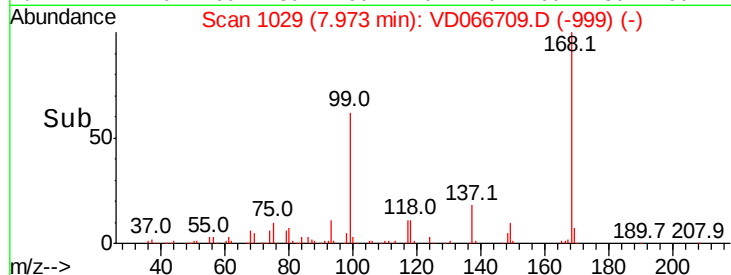
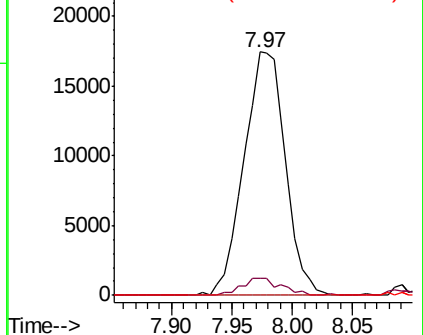
121 0.0 26.2 39.4#



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



#48

Methyl methacrylate

Concen: 1.492 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. -0.03 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

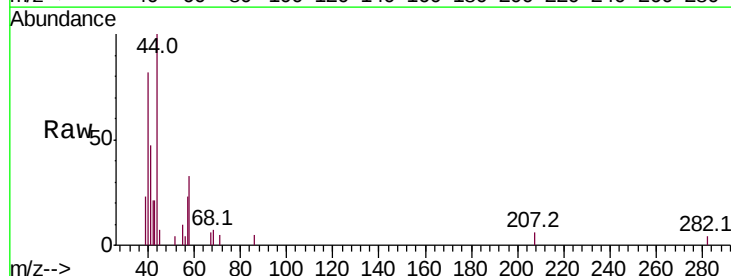
Tgt Ion: 41 Resp: 3959

Ion Ratio Lower Upper

41 100

69 0.0 62.4 93.6#

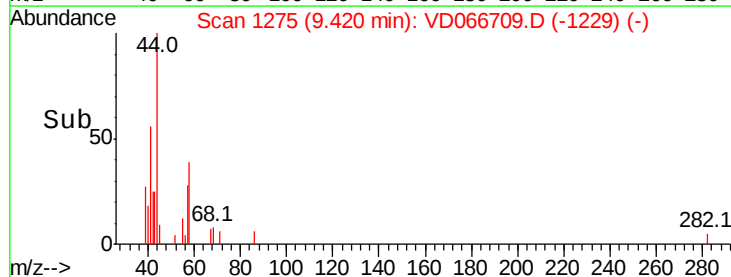
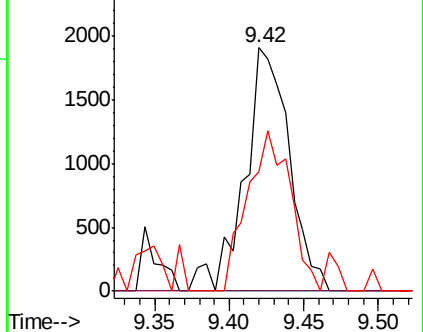
39 63.6 44.8 67.2

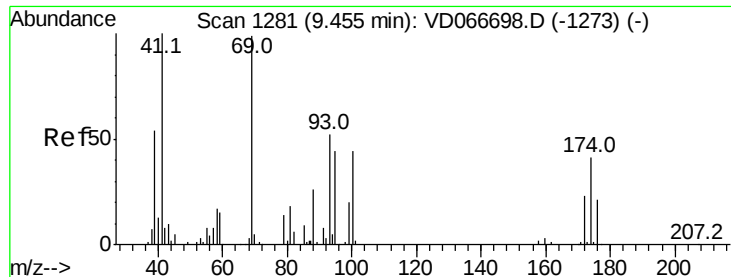


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

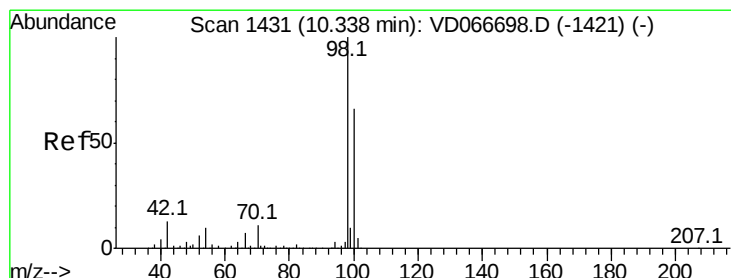
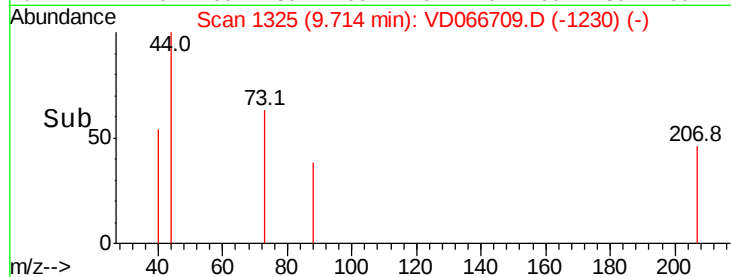
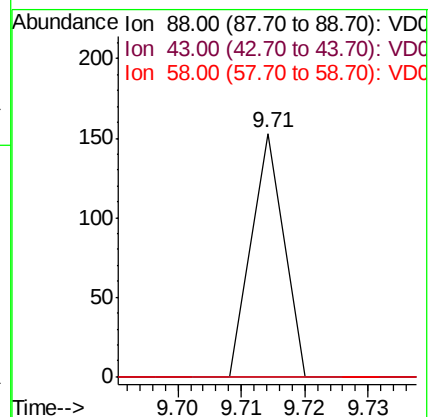
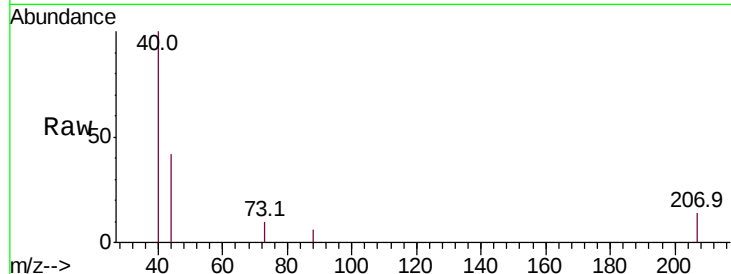




#49
1,4-Dioxane
Concen: 1.874 ug/l
RT: 9.71 min Scan# 1325
Delta R.T. 0.26 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

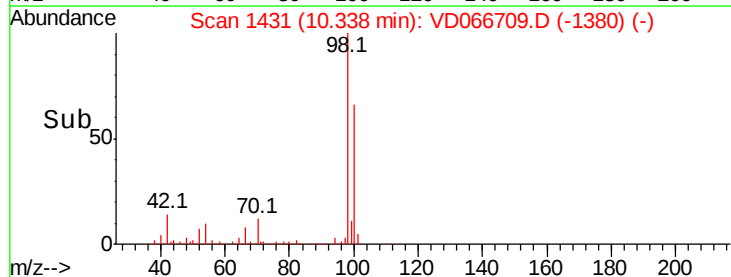
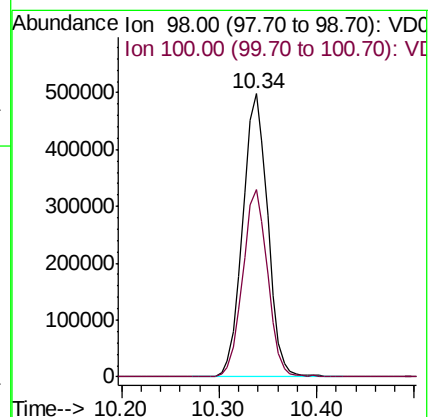
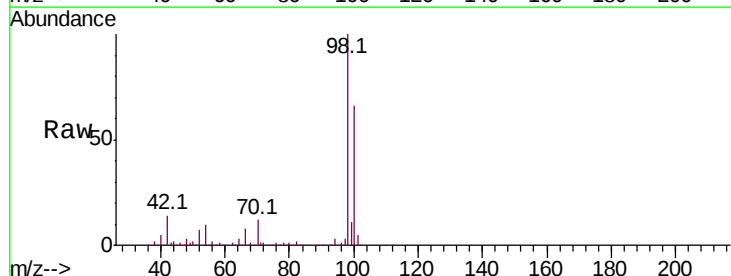
Instrument :
MSVOA_D
ClientSampleId :
HAYES-SEYMOUR-01

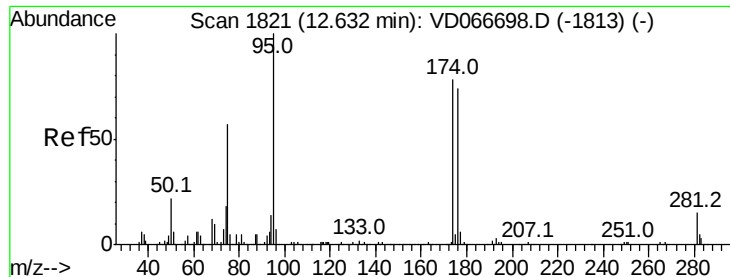
Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 29.3 43.9#
58 0.0 51.4 77.2#



#50
Toluene-d8
Concen: 57.320 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

Tgt Ion: 98 Resp: 891274
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

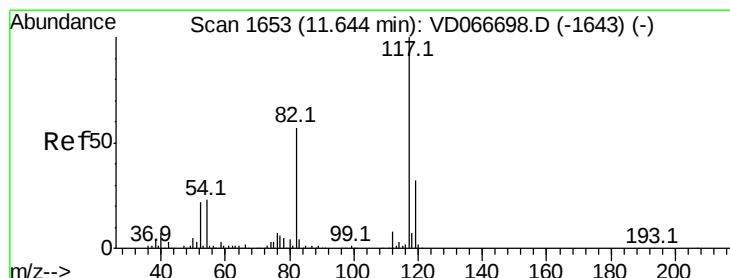
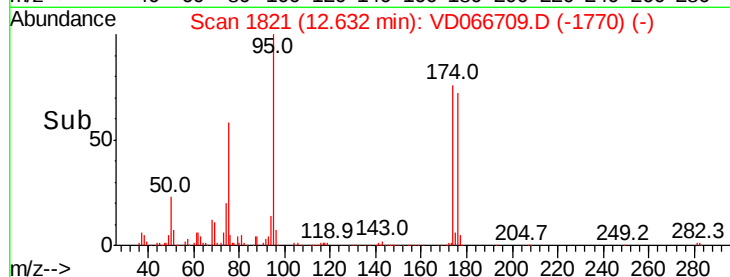
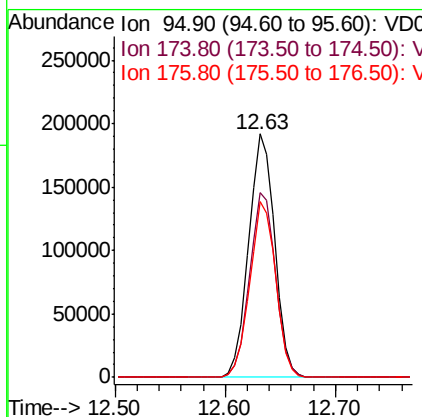
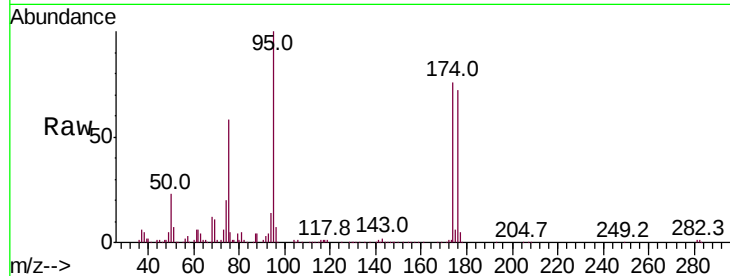




#62
4-Bromofluorobenzene
Concen: 59.205 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

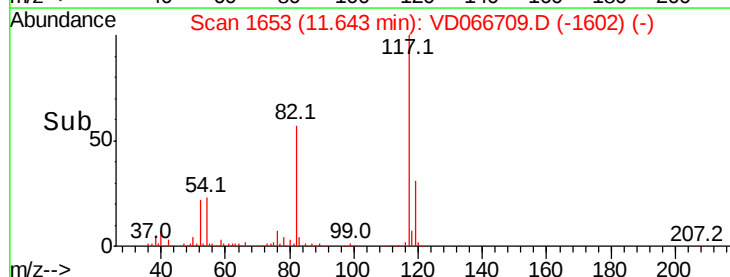
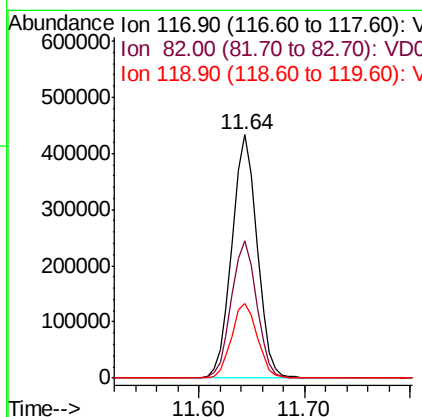
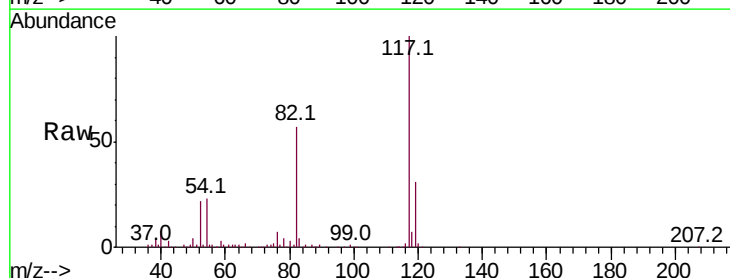
Instrument :
MSVOA_D
ClientSampleId :
HAYES-SEYMOUR-01

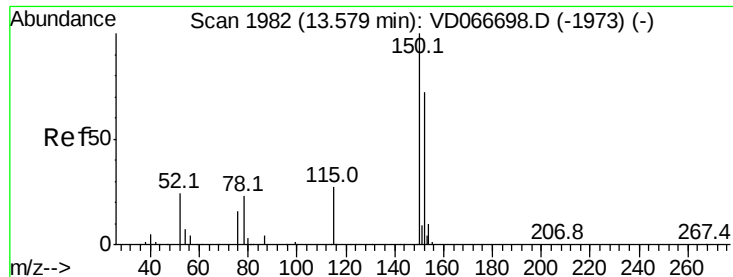
Tot Ion: 95 Resp: 317772
Ion Ratio Lower Upper
95 100
174 76.2 0.0 156.6
176 71.9 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

Tgt Ion: 117 Resp: 711804
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 30.6 25.8 38.6



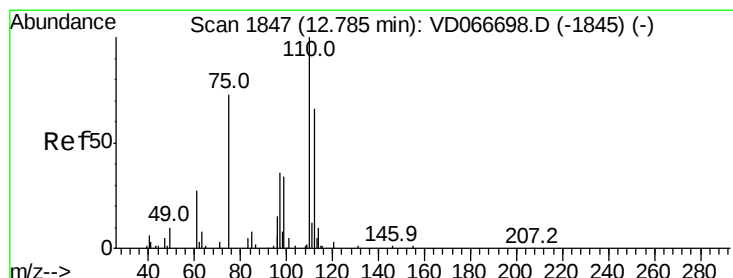
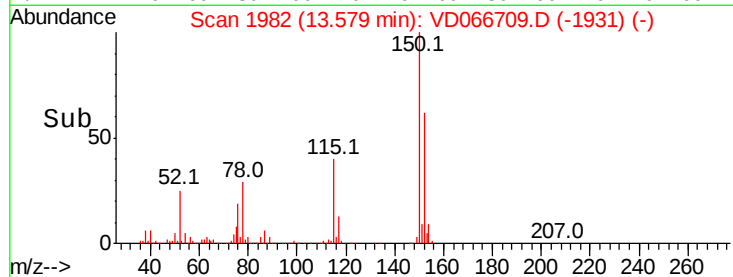
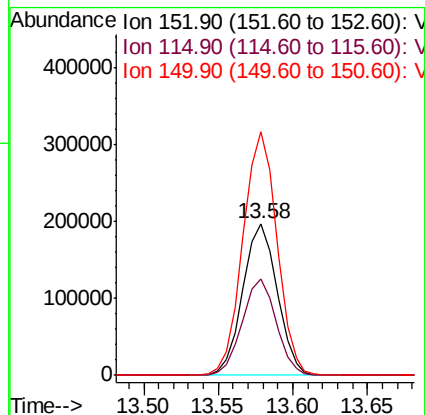
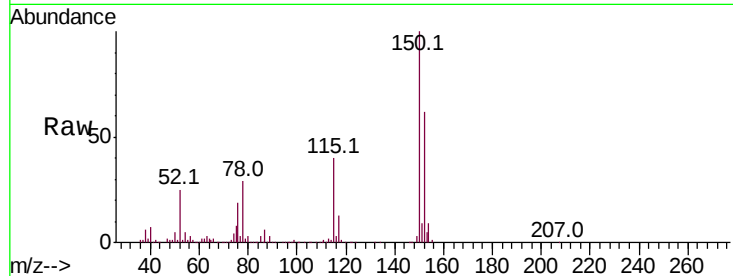


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

Instrument :
MSVOA_D
ClientSampleId :
HAYES-SEYMOUR-01

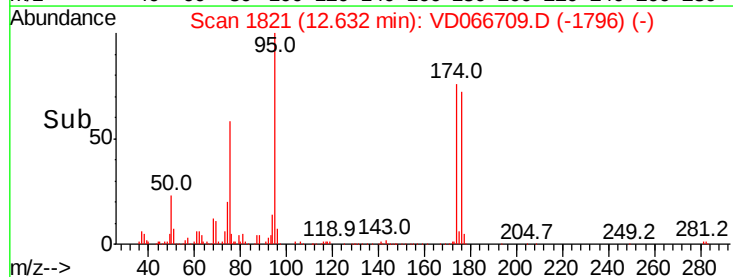
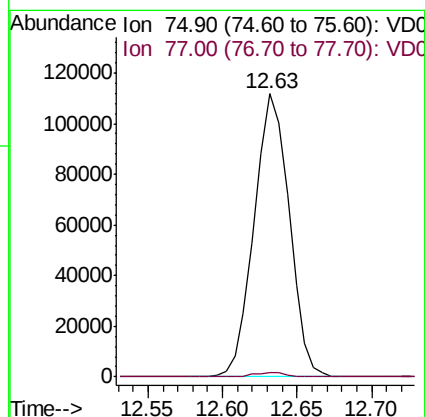
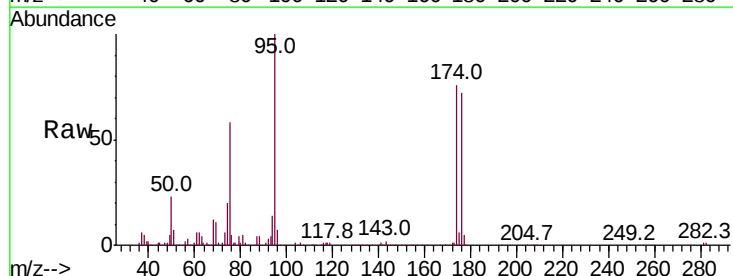
Tot Ion	Ratio	Lower	Upper
152	100		
115	62.9	30.5	91.5
150	158.9	0.0	344.6

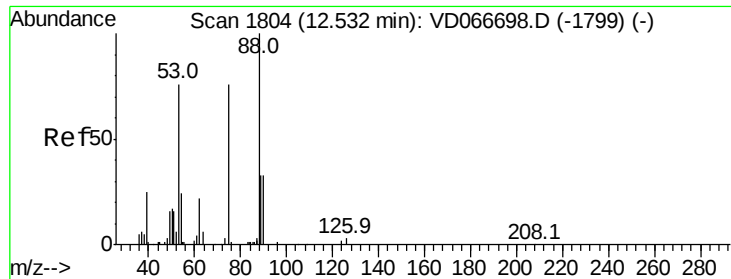


#76

1,2,3-Trichloropropane
Concen: 67.505 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066709.D
Acq: 15 Sep 2020 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 145.688 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066709.D

Acq: 15 Sep 2020 21:10

Instrument :

MSVOA_D

ClientSampleId :

HAYES-SEYMOUR-01

Tot Ion: 75 Resp: 182260

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

