

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036778.D
 Acq On : 9 Apr 2021 17:28
 Operator : SY/AP
 Sample : M1987-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GOI-IA-6(2021)DL

Manual Integrations
 APPROVED

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 4/12/2021 5:42:51 PM

Quant Time: Apr 10 07:24:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1326396	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3258613	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2586708	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1607196	7.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	113114m	1.432	ppbv	
13) Ethanol	3.61	45	109787m	11.669	ppbv	
15) Acetone	3.86	43	139506	1.069	ppbv	100
20) Methylene Chloride	4.33	84	34135m	0.558	ppbv	
26) Hexane	5.68	57	32590	0.226	ppbv #	45

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

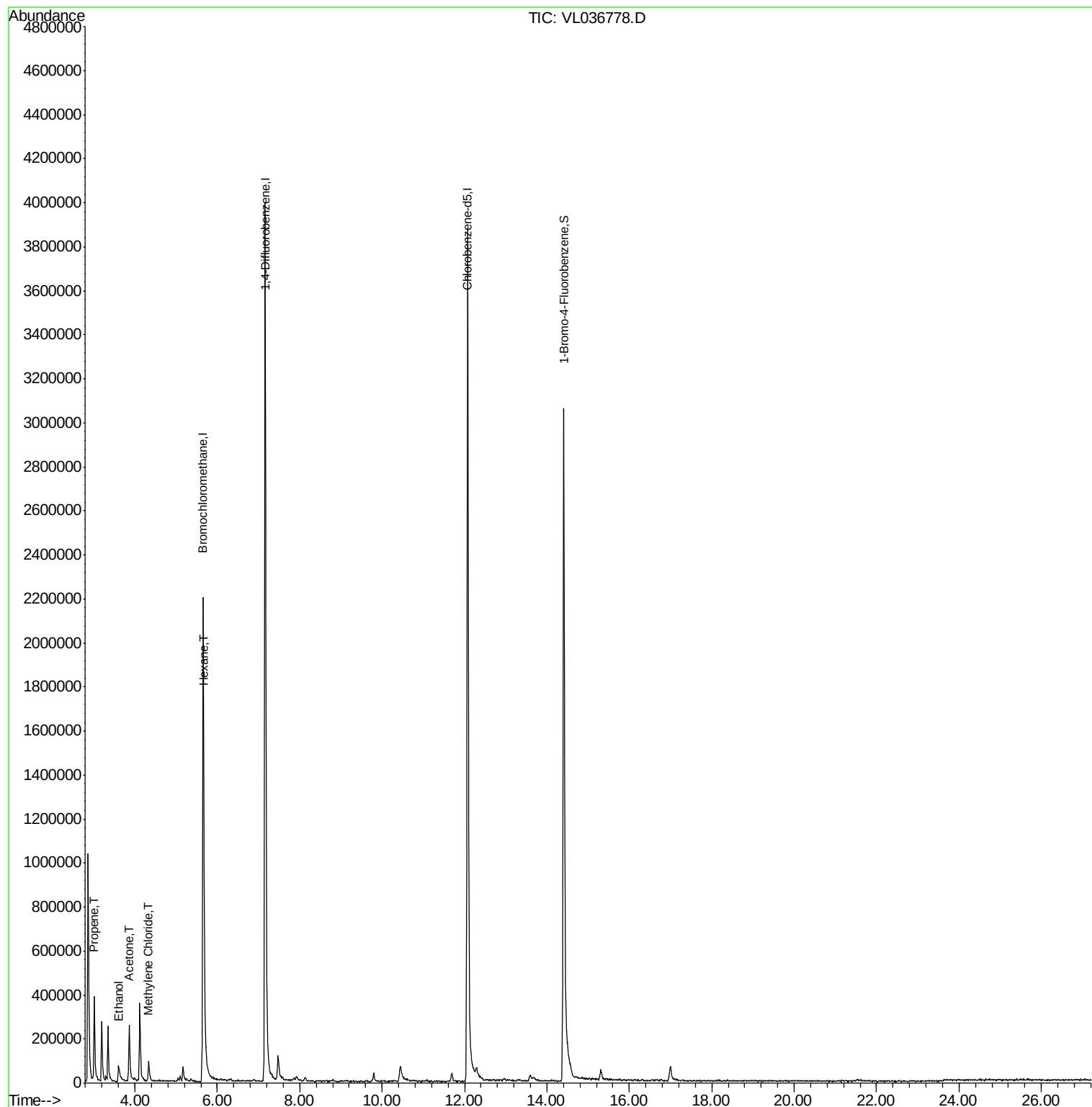
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040921\
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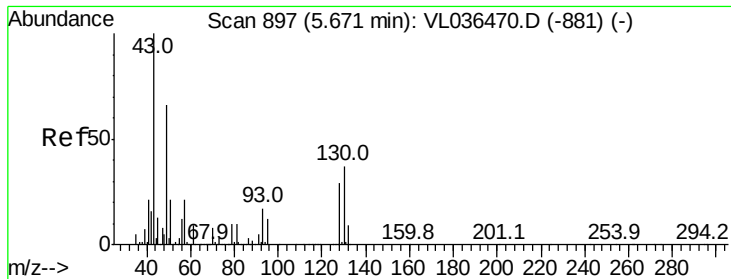
Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-6(2021)DL

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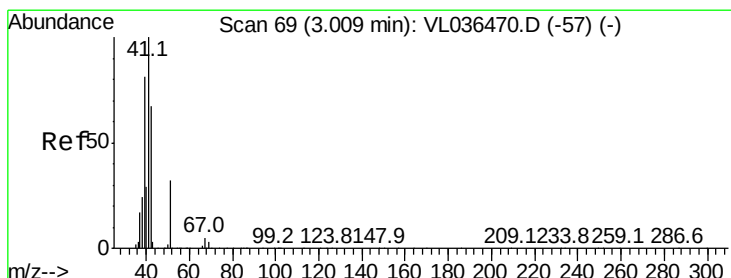
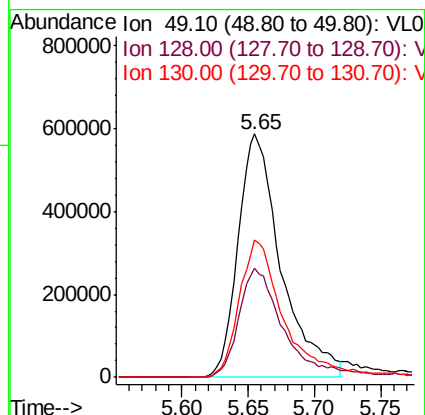
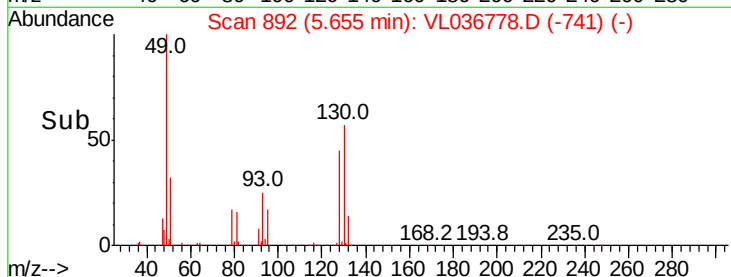
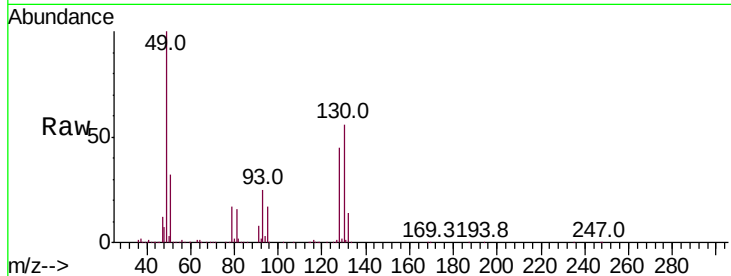
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-6(2021)DL

Tot Ion: 49 Resp: 1326396
Ion Ratio Lower Upper
49 100
128 48.0 23.5 70.6
130 60.2 29.1 87.4

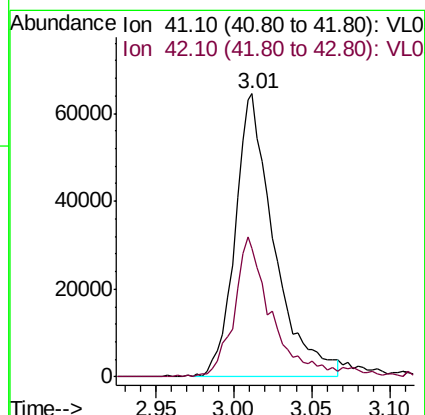
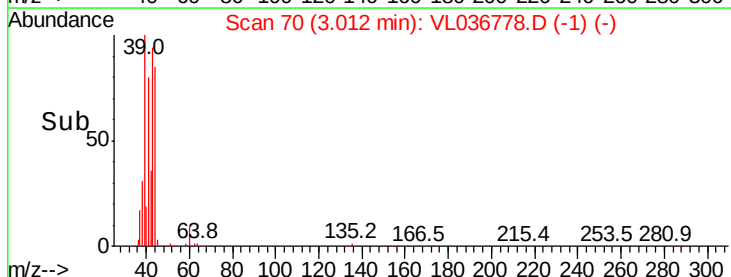
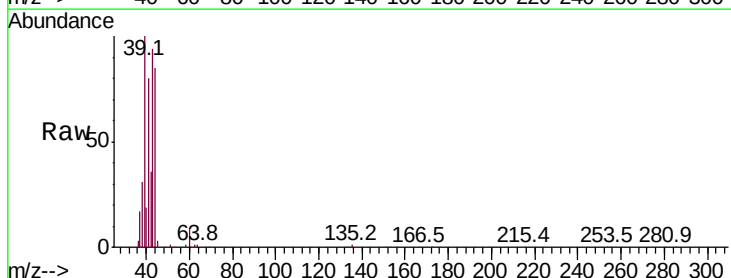
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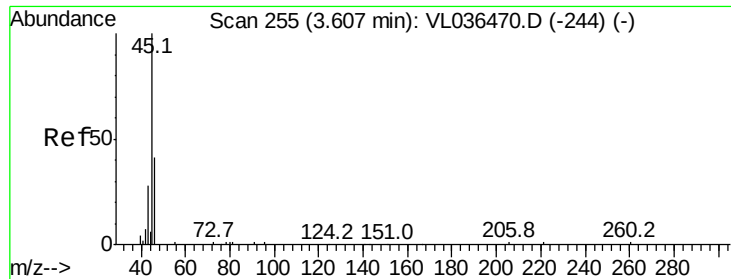
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#9
Propene
Concen: 1.432 ppbv m
RT: 3.01 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Tgt Ion: 41 Resp: 113114
Ion Ratio Lower Upper
41 100
42 57.6 57.0 85.4





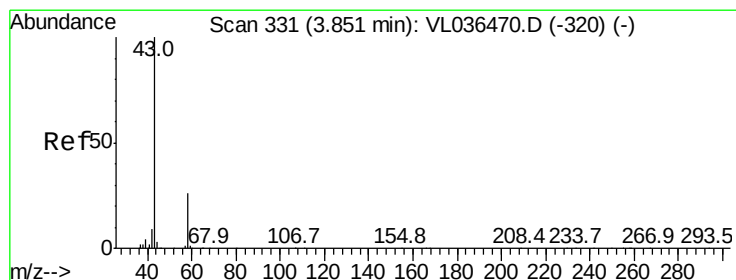
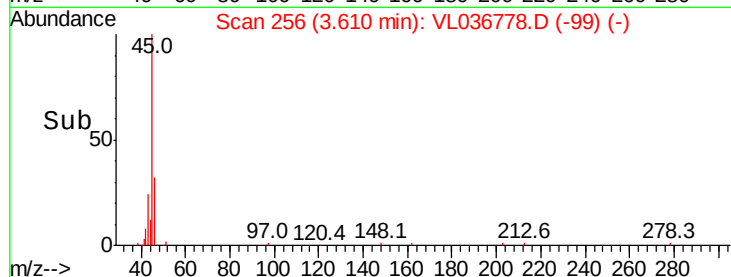
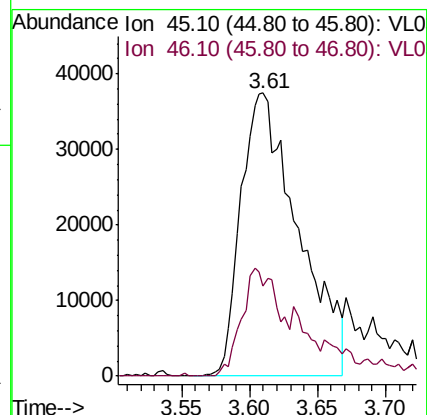
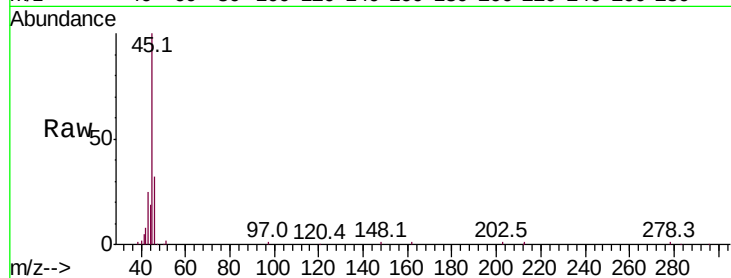
#13
Ethanol
Concen: 11.669 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-6(2021)DL

Tot Ion: 45 Resp: 109787
Ion Ratio Lower Upper
45 100
46 41.3 16.6 66.2

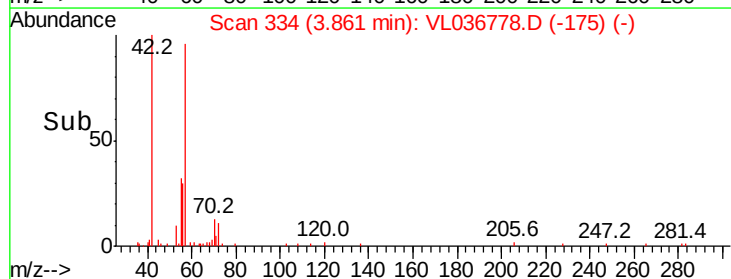
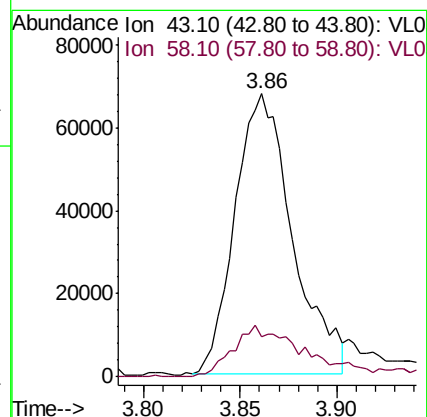
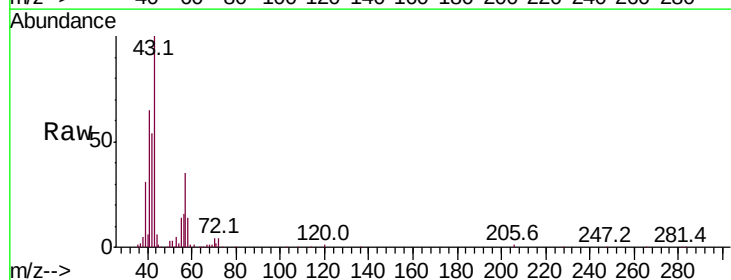
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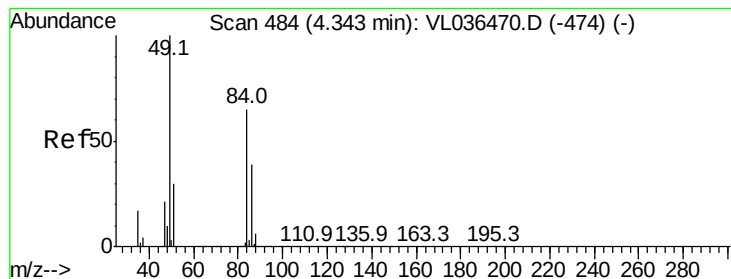
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#15
Acetone
Concen: 1.069 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Tgt Ion: 43 Resp: 139506
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8





#20

Methylene Chloride

Concen: 0.558 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Instrument :

MSVOA_L

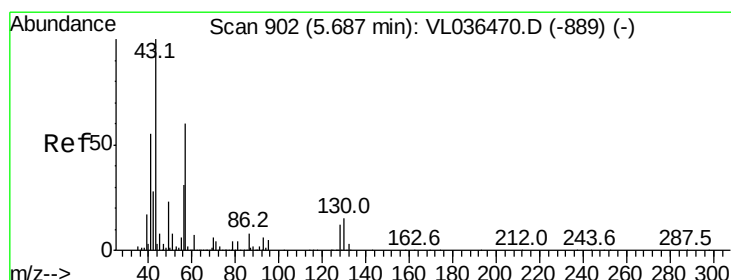
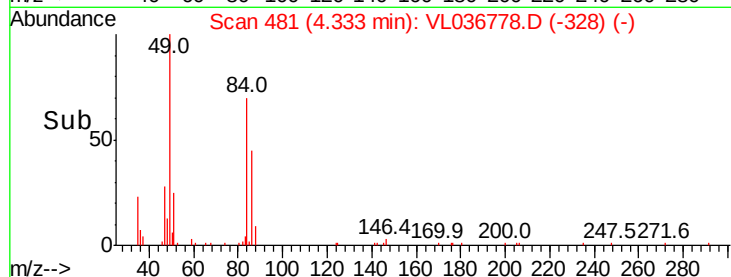
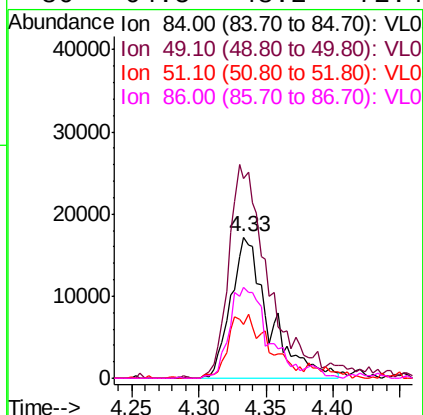
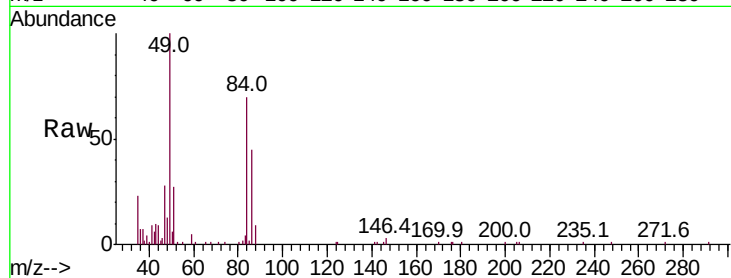
ClientSampleId :

GOI-IA-6(2021)DL

Tot Ion:	84	Resp:	34135
Ion	Ratio	Lower	Upper
84	100		
49	142.2	122.9	184.3
51	38.6	36.9	55.3
86	64.5	48.2	72.4

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#26

Hexane

Concen: 0.226 ppbv

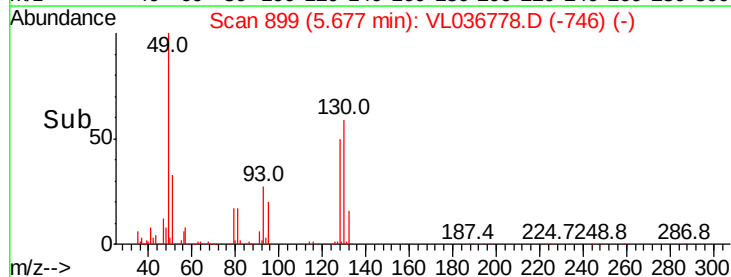
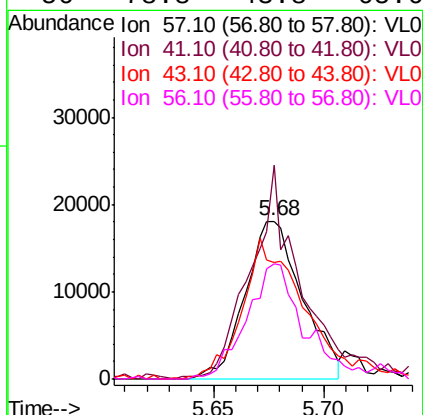
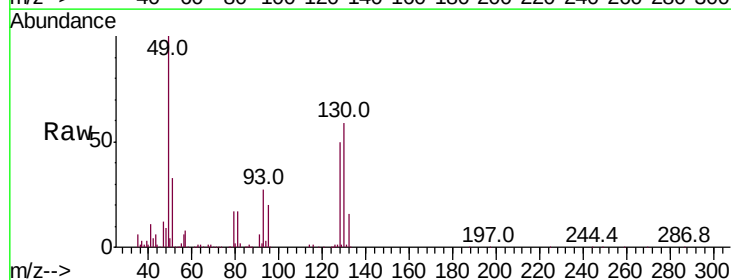
RT: 5.68 min Scan# 899

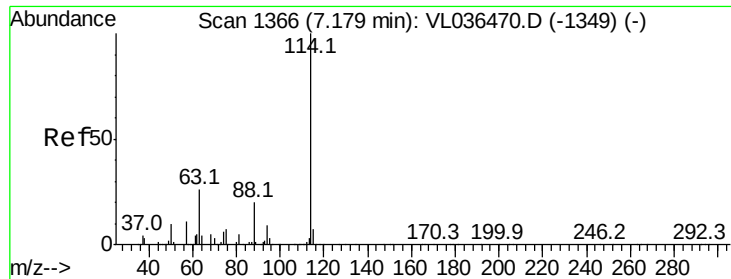
Delta R.T. -0.01 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Tgt Ion:	57	Resp:	32590
Ion	Ratio	Lower	Upper
57	100		
41	124.2	77.2	115.8#
43	101.9	173.8	260.6#
56	78.8	43.8	65.6#





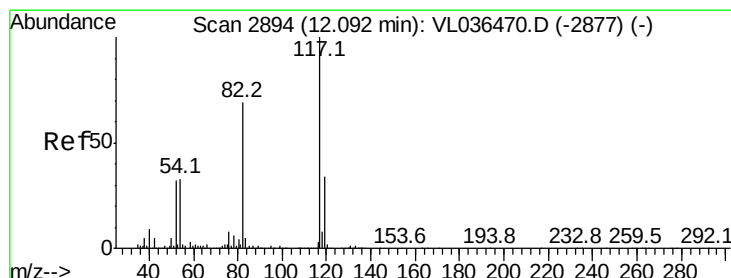
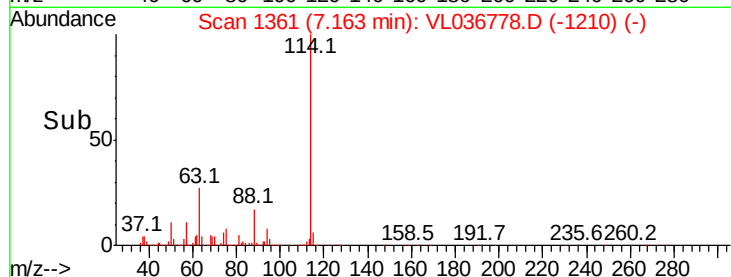
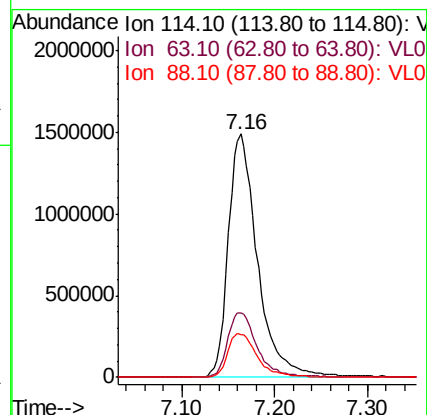
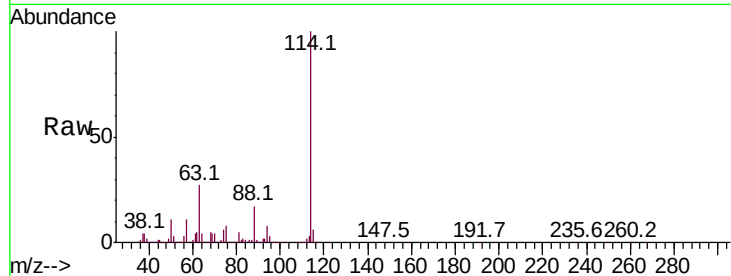
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036778.D
 Acq: 9 Apr 2021 17:28

Instrument :
 MSVOA_L
 ClientSampleId :
 GOI-IA-6(2021)DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	18.5	15.4	23.0

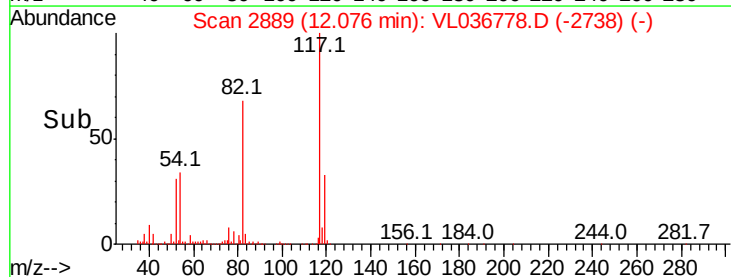
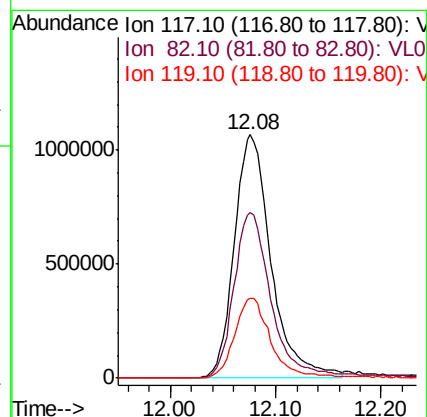
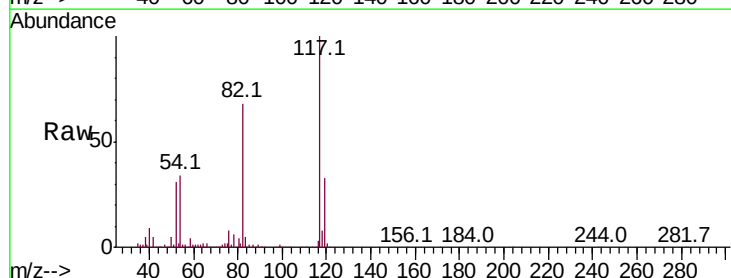
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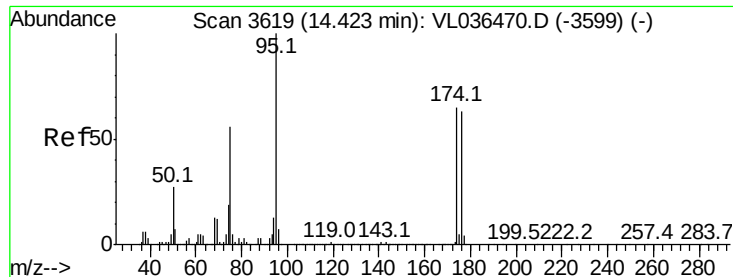
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T. -0.02 min
 Lab File: VL036778.D
 Acq: 9 Apr 2021 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.2	57.4	86.0
119	32.9	47.4	71.0





#68

1-Bromo-4-Fluorobenzene

Concen: 7.796 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Instrument :

MSVOA_L

ClientSampleId :

GOI-IA-6(2021)DL

Tot Ion: 95 Resp: 1607196

Ion Ratio Lower Upper

95 100

174 69.1 51.0 76.6

175 4.8 3.9 5.9

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