

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036690.D
 Acq On : 6 Apr 2021 2:22
 Operator : SY/AP
 Sample : M1877-12 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-9(2021)

Manual Integrations
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 4/6/2021 5:14:39 PM

Quant Time: Apr 06 14:48:11 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	5.67	49	1287205	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3098502	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2784726	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2235717	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	26630	0.127	ppbv #	85
9) Propene	3.02	41	24278m	0.317	ppbv	
13) Ethanol	3.60	45	2531761	277.299	ppbv	94
15) Acetone	3.86	43	210689	1.663	ppbv #	89
19) Isopropyl Alcohol	3.97	45	5099271	73.168	ppbv #	94
20) Methylene Chloride	4.35	84	27018m	0.455	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	68415m	0.136	ppbv	

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

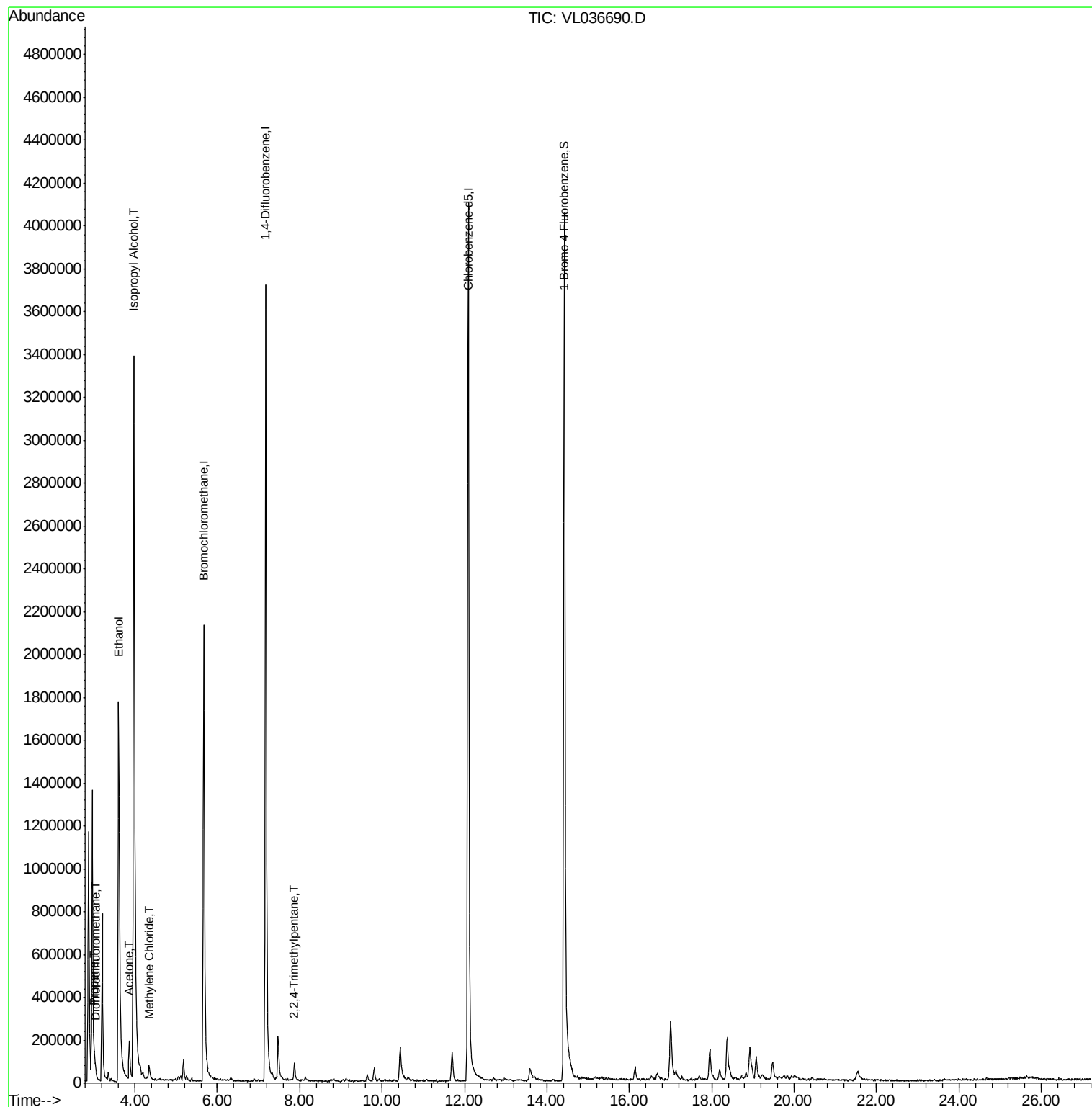
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040521\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036690.D

Acq: 6 Apr 2021 2:22

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-9(2021)

Tot Ion: 49 Resp: 1287205

Ion Ratio Lower Upper

49 100

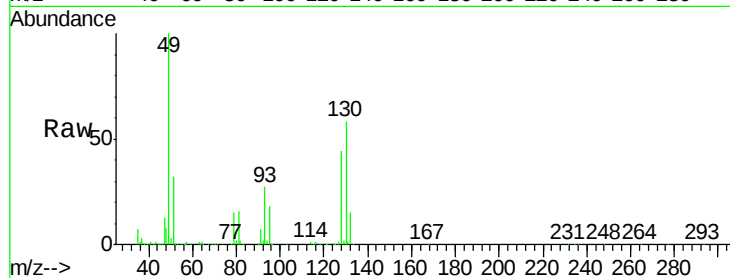
128 46.9 23.5 70.6

130 61.2 29.1 87.4

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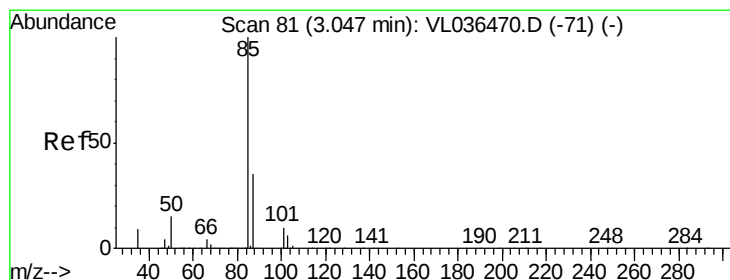
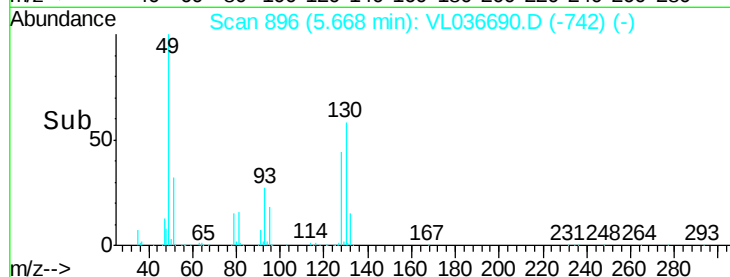
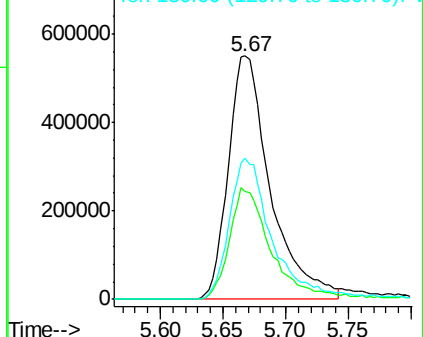
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.127 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036690.D

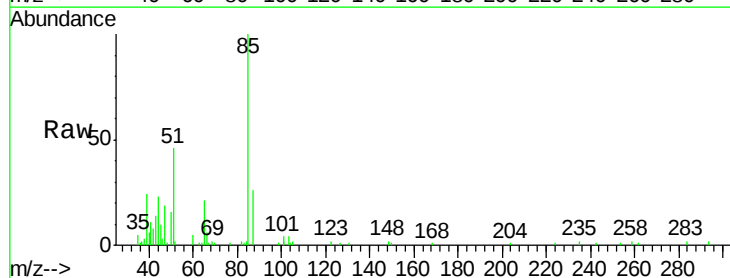
Acq: 6 Apr 2021 2:22

Tgt Ion: 85 Resp: 26630

Ion Ratio Lower Upper

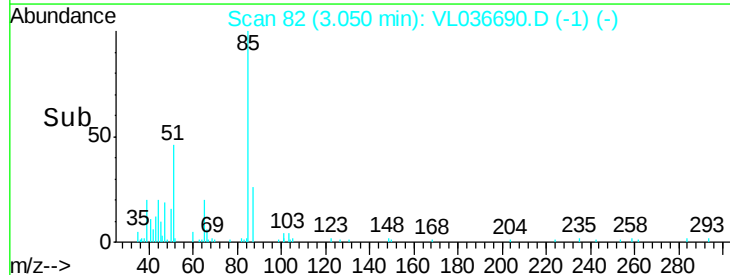
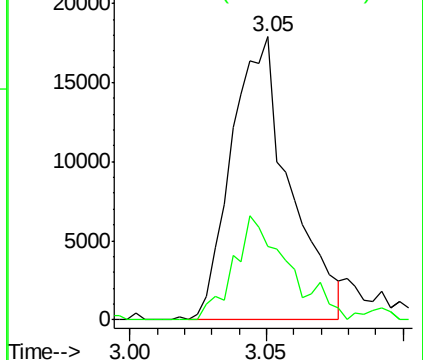
85 100

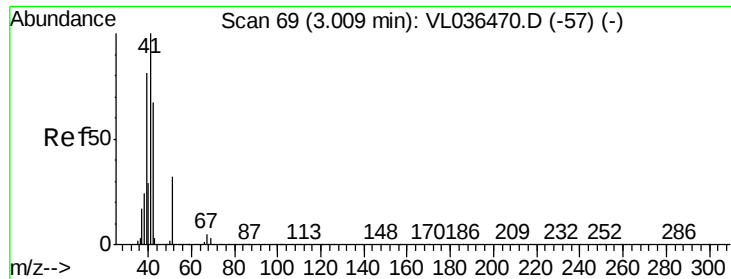
87 25.9 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.317 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036690.D

Acq: 6 Apr 2021 2:22

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-9(2021)

Tot Ion: 41 Resp: 24278

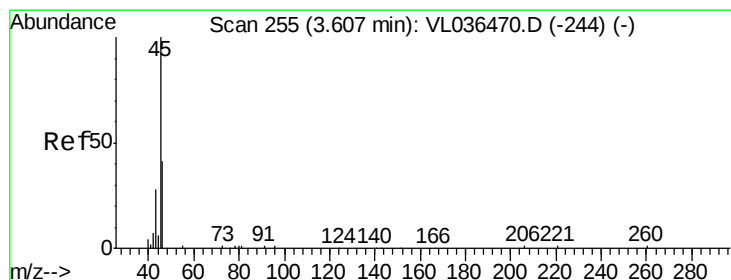
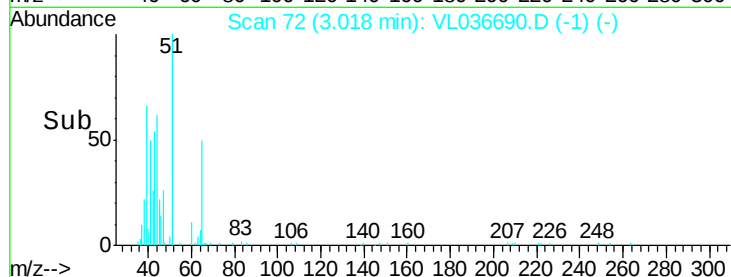
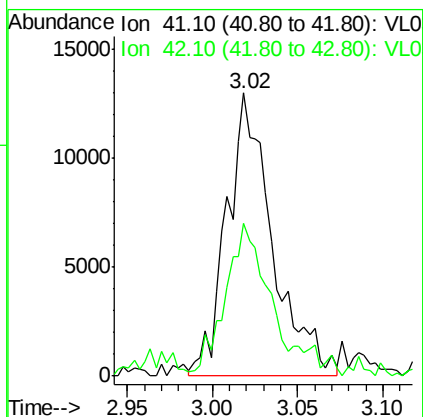
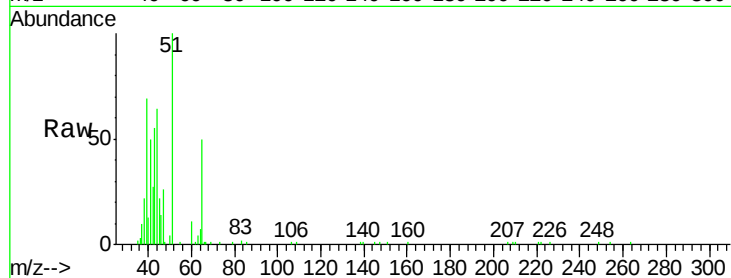
Ion Ratio Lower Upper

41 100

42 788.5 57.0 85.4#

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#13

Ethanol

Concen: 277.299 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036690.D

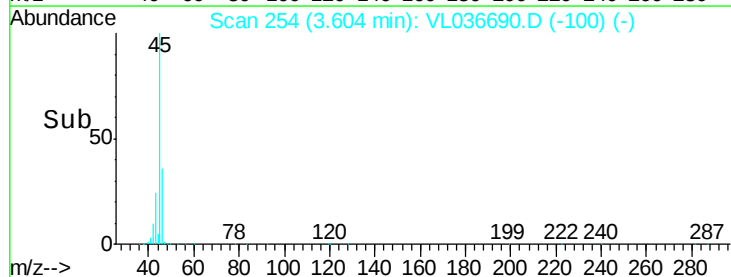
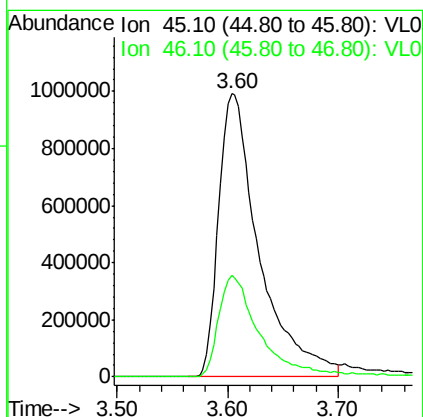
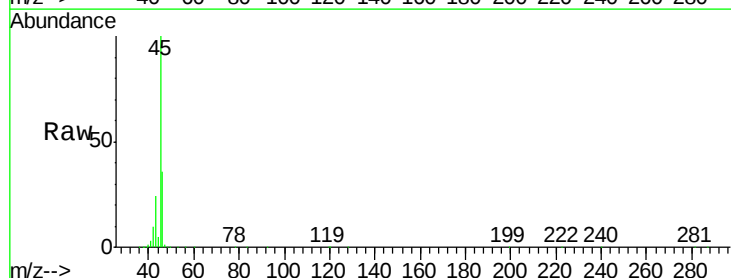
Acq: 6 Apr 2021 2:22

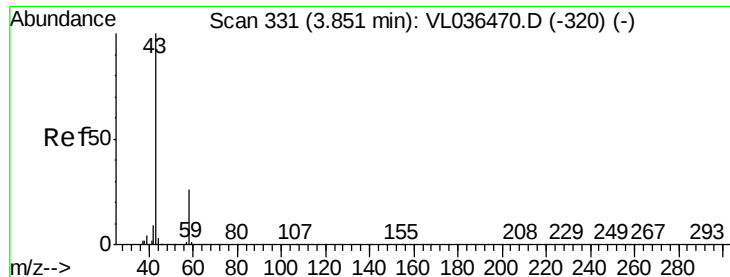
Tgt Ion: 45 Resp: 2531761

Ion Ratio Lower Upper

45 100

46 37.7 16.6 66.2





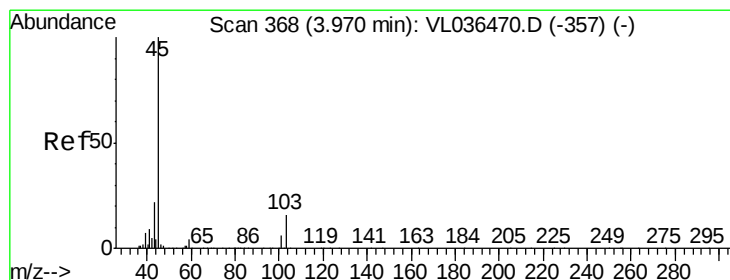
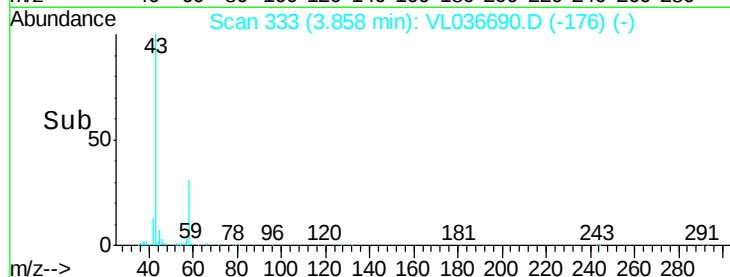
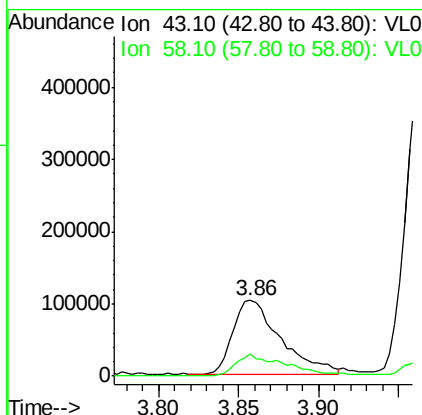
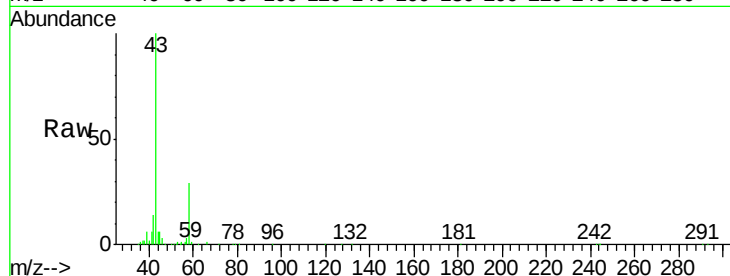
#15
Acetone
Concen: 1.663 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)

Tot Ion	43	Resp	210689
Ion Ratio	100	Lower	Upper
43	100		
58	32.3	21.2	31.8#

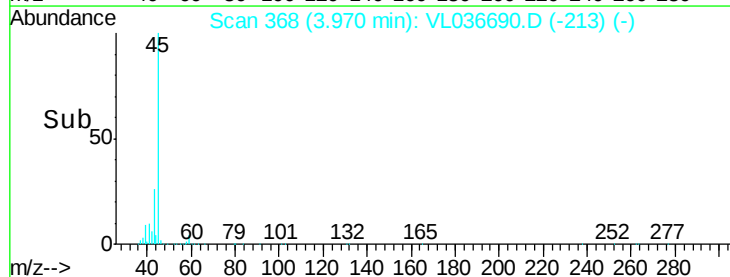
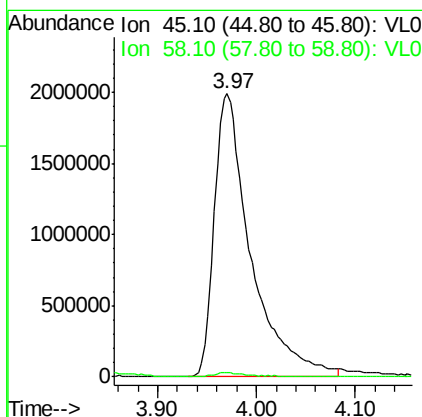
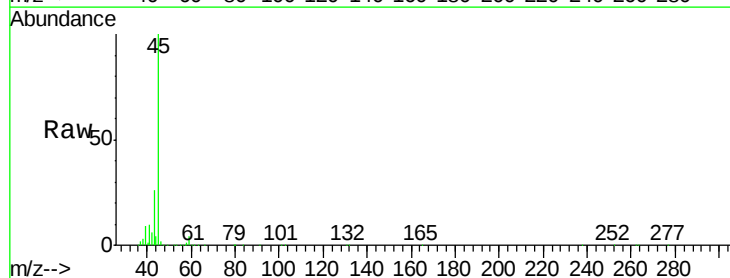
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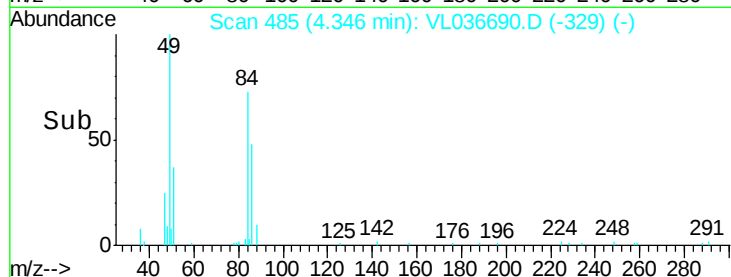
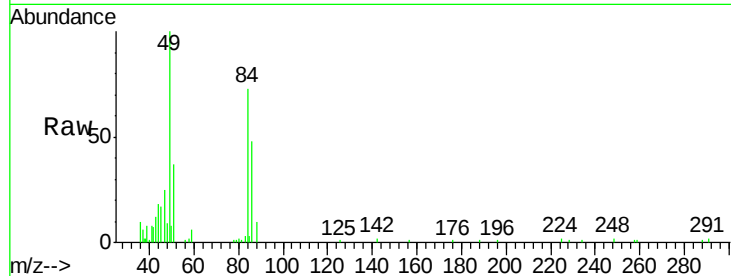
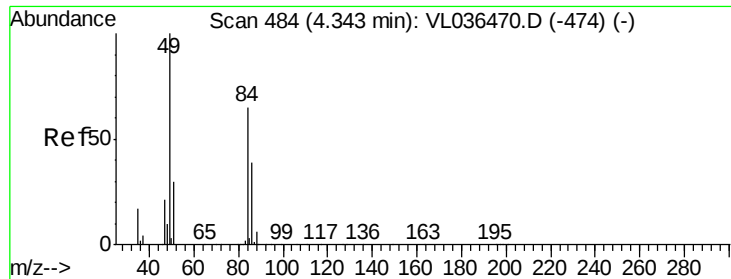
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#19
Isopropyl Alcohol
Concen: 73.168 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion	45	Resp	5099271
Ion Ratio	100	Lower	Upper
45	100		
58	1.6	2.9	4.3#





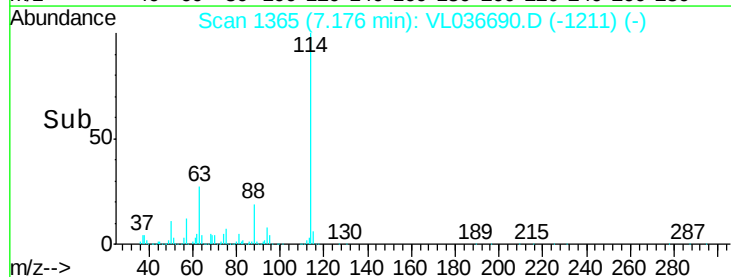
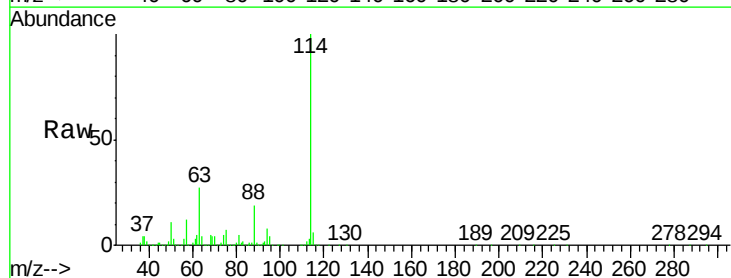
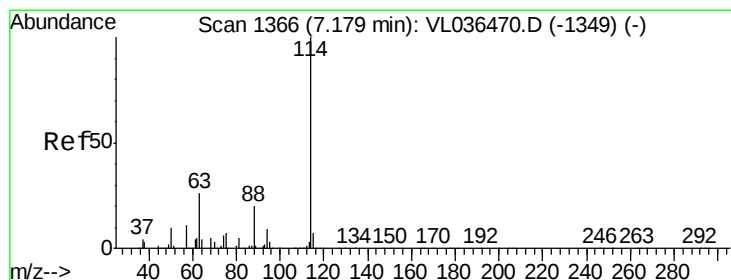
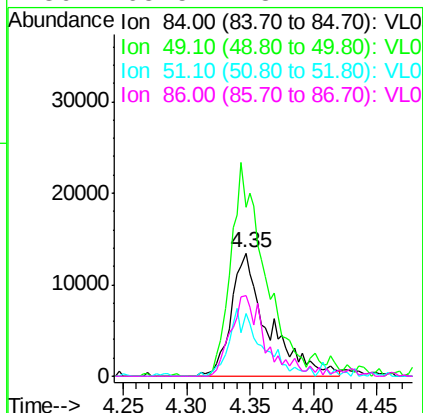
#20
Methvlene Chloride
Concen: 0.455 ppbv m
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tot Ion	84	Resp	27018
Ion	Ratio	Lower	Upper
84	100		
49	136.9	122.9	184.3
51	50.9	36.9	55.3
86	65.5	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
UP-SG-9(2021)

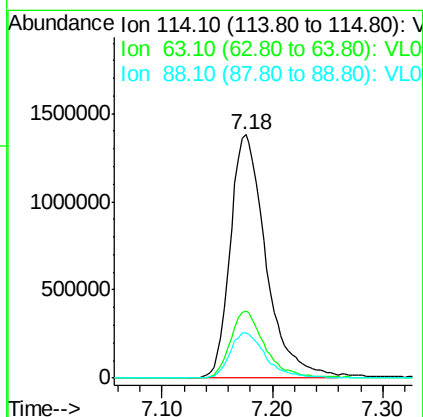
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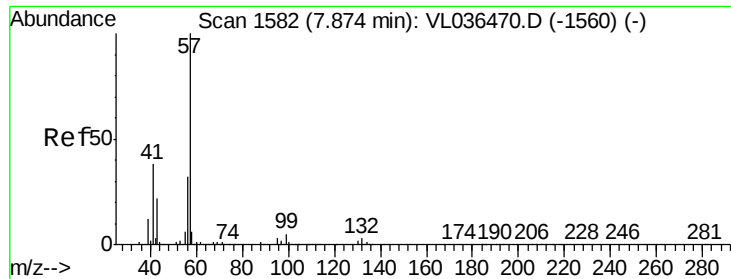
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion	114	Resp	3098502
Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.4	33.6
88	19.0	15.4	23.0





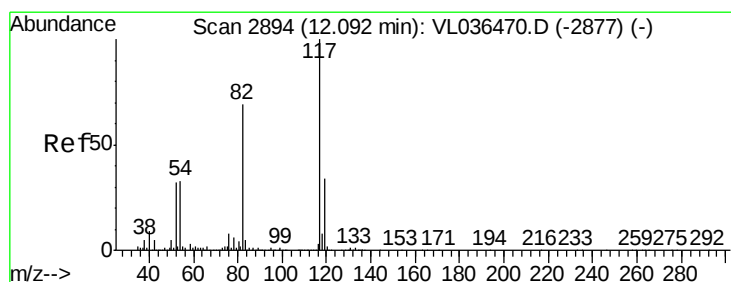
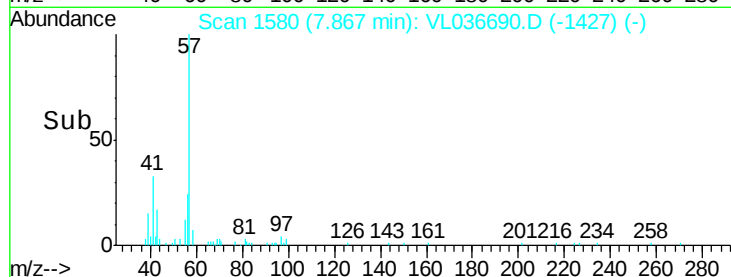
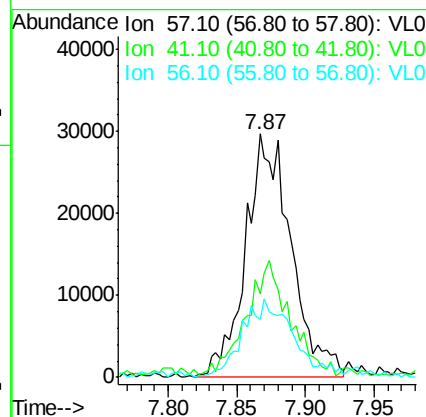
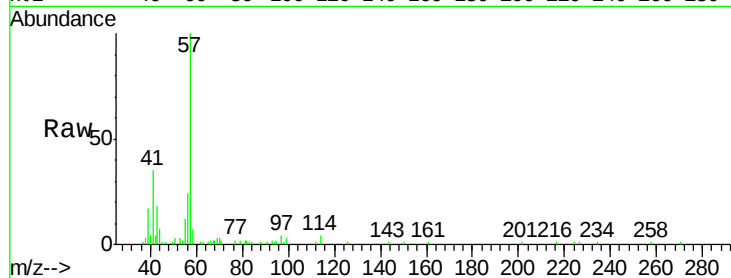
#44
 2,2,4-Trimethylpentane
 Concen: 0.136 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Instrument :
 MSVOA_L
 ClientSampleId :
 UP-SG-9(2021)

Tot Ion	Ratio	Lower	Upper
57	100		
41	45.7	28.8	43.2#
56	35.5	26.1	39.1

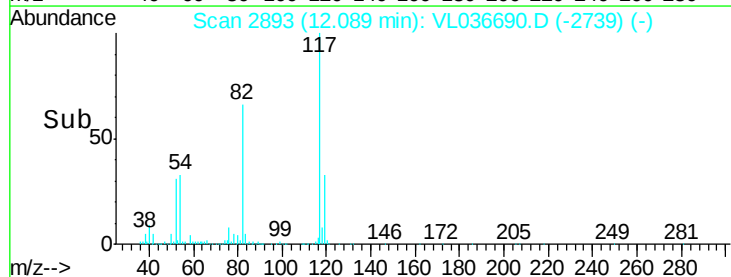
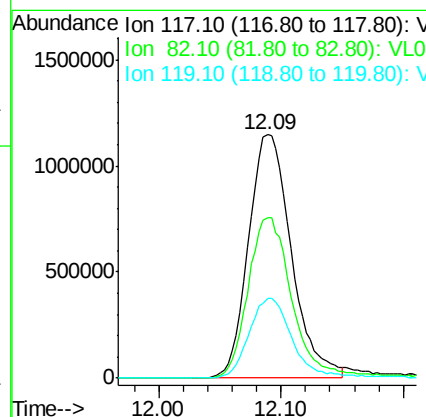
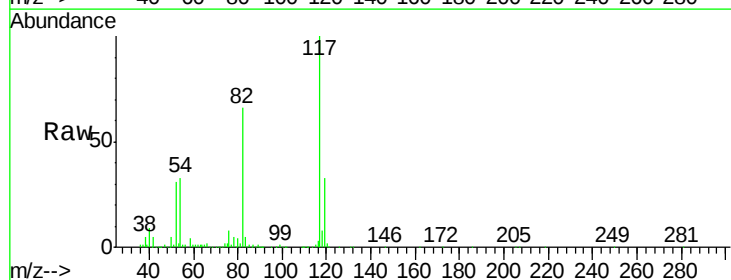
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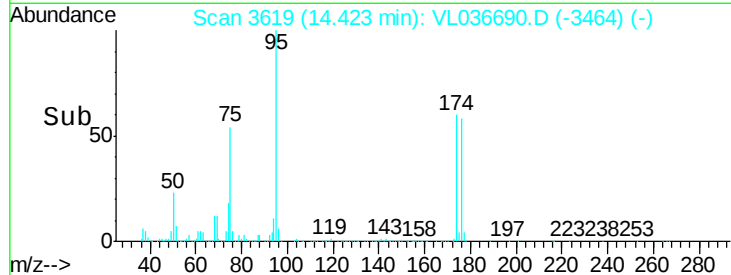
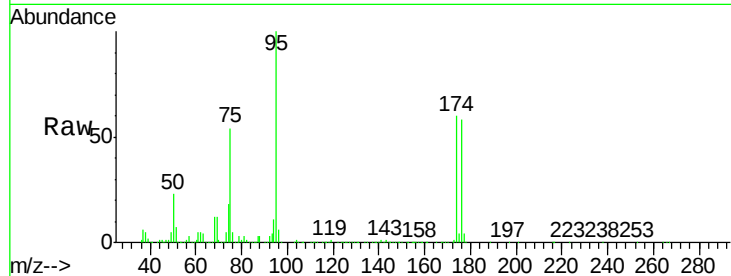
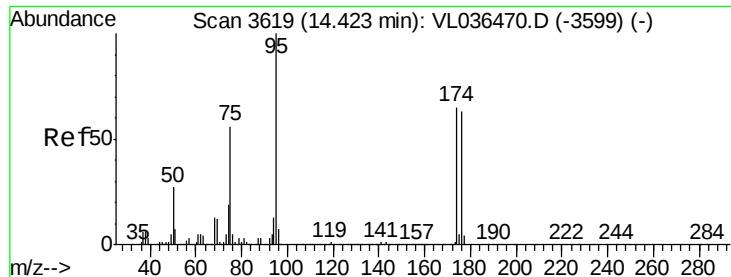
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.2	57.4	86.0
119	33.9	47.4	71.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.073 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Tot Ion:	95	Resp:	2235717
Ion Ratio	Lower	Upper	
95	100		
174	65.9	51.0	76.6
175	4.8	3.9	5.9

Instrument :
 MSVOA_L
 ClientSampleId :
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