

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036519.D
 Acq On : 26 Mar 2021 18:27
 Operator : SY/AP
 Sample : M1760-12DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1-MAIN-ELECT-RMDL

Manual Integrations
 APPROVED

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 3/29/2021 4:39:28 PM

Quant Time: Mar 28 21:11:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 28 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	5.68	49	1371605	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3237392	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	2883450	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2175809	9.47	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	603500m	62.033	ppbv	
15) Acetone	3.87	43	186920m	1.385	ppbv	
19) Isopropyl Alcohol	3.99	45	123869	1.668	ppbv	# 94
20) Methylene Chloride	4.36	84	106411m	1.684	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	30709m	0.213	ppbv	
38) Trichloroethene	7.86	130	44797m	0.386	ppbv	

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

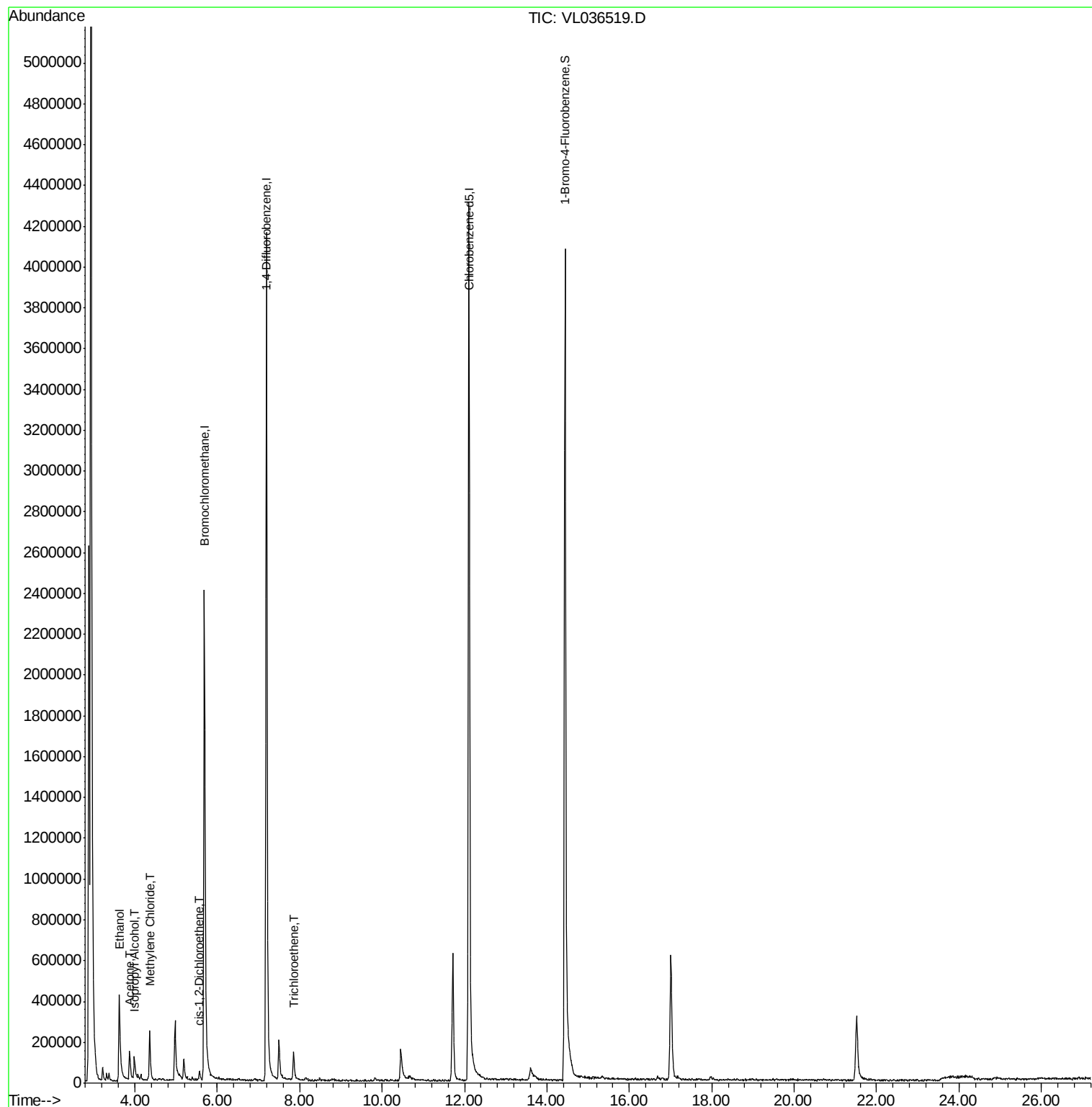
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL036519.D

Acq: 26 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1-MAIN-ELECT-RMDL

Tot Ion: 49 Resp: 1371605

Ion Ratio Lower Upper

49 100

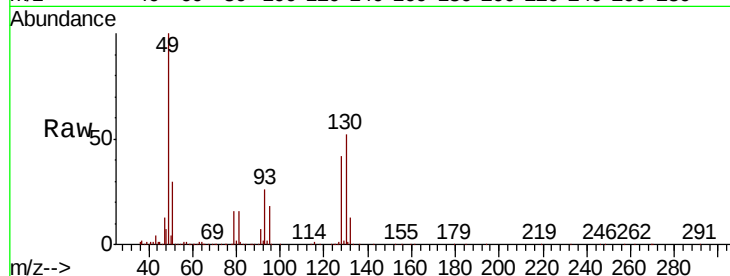
128 46.5 23.5 70.6

130 60.5 29.1 87.4

Manual Integrations
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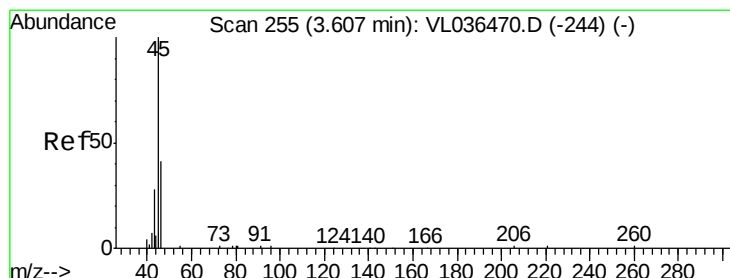
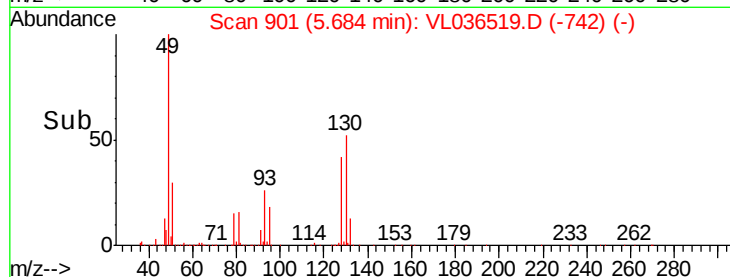
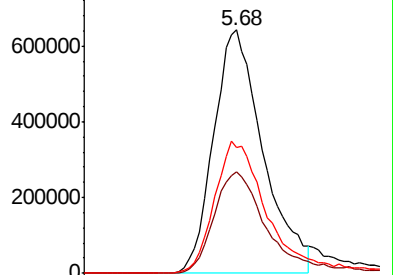
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 62.033 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036519.D

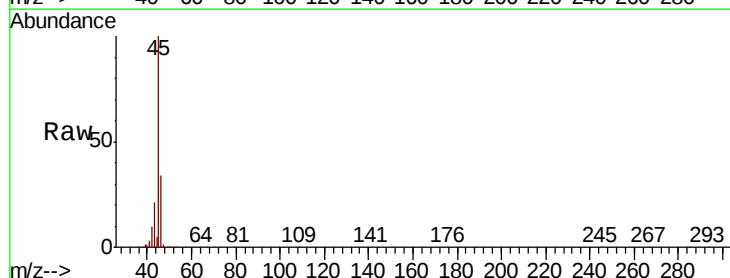
Acq: 26 Mar 2021 18:27

Tgt Ion: 45 Resp: 603500

Ion Ratio Lower Upper

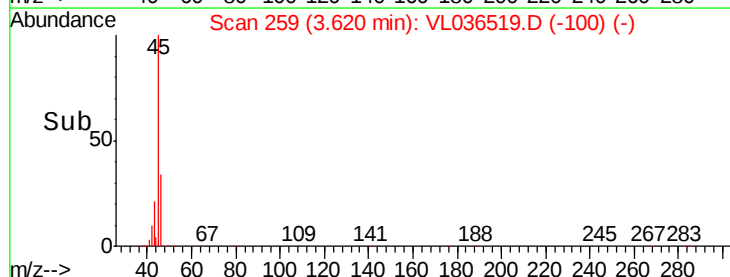
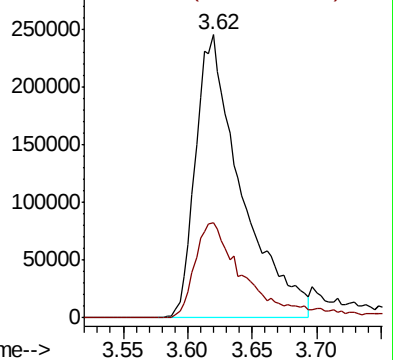
45 100

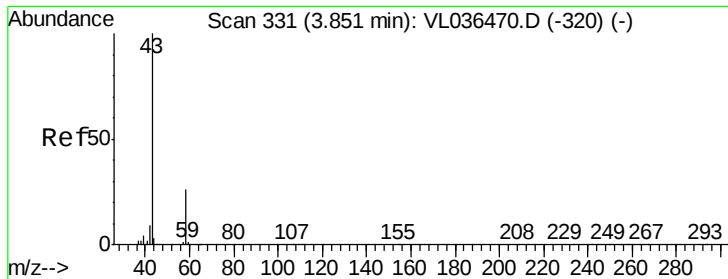
46 39.0 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.385 ppbv m

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL036519.D

Acq: 26 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1-MAIN-ELECT-RMDL

Tot Ion: 43 Resp: 186920

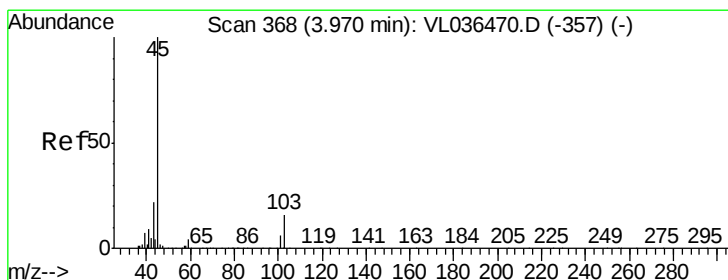
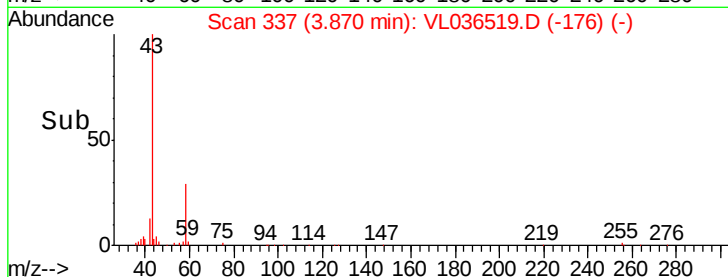
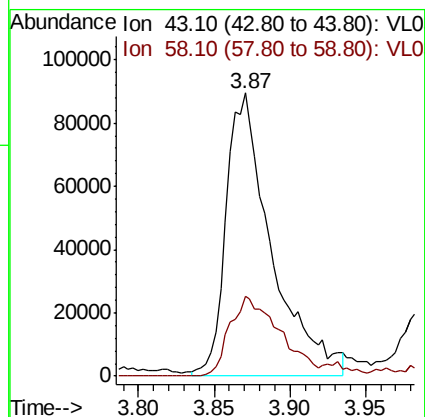
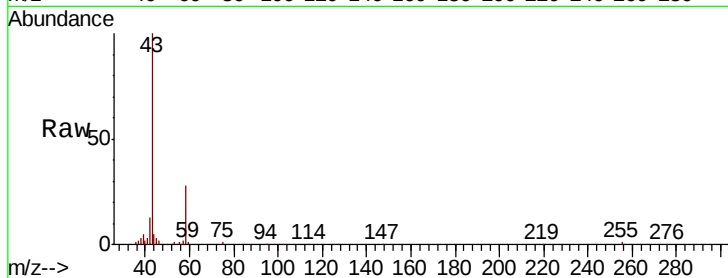
Ion Ratio Lower Upper

43 100

58 35.0 21.2 31.8#

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#19

Isopropyl Alcohol

Concen: 1.668 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036519.D

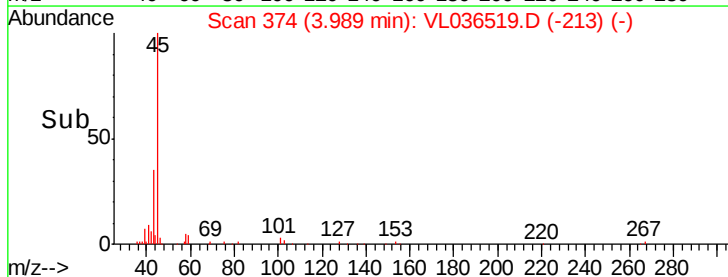
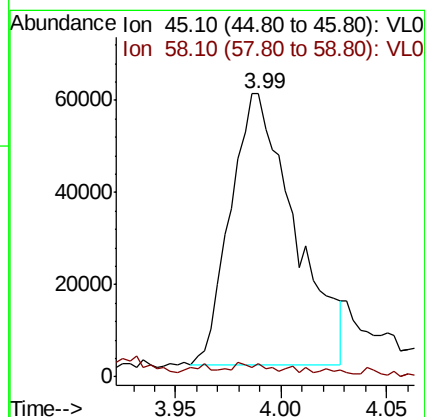
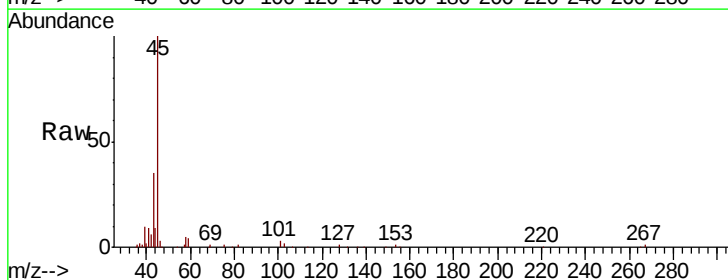
Acq: 26 Mar 2021 18:27

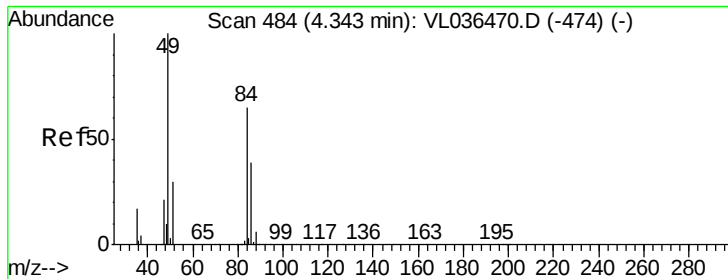
Tgt Ion: 45 Resp: 123869

Ion Ratio Lower Upper

45 100

58 5.5 2.9 4.3#





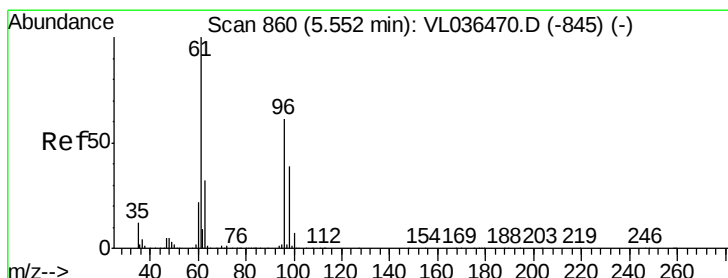
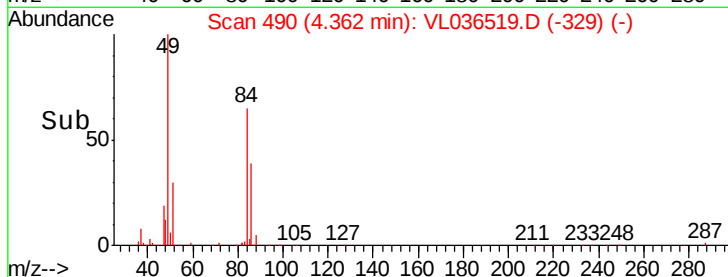
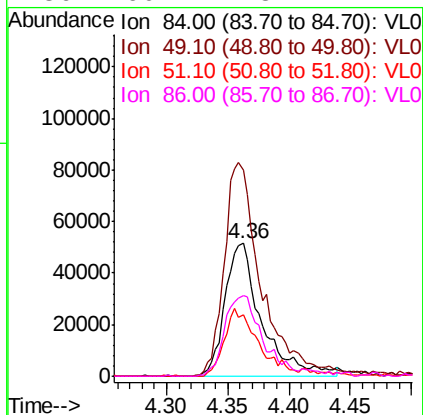
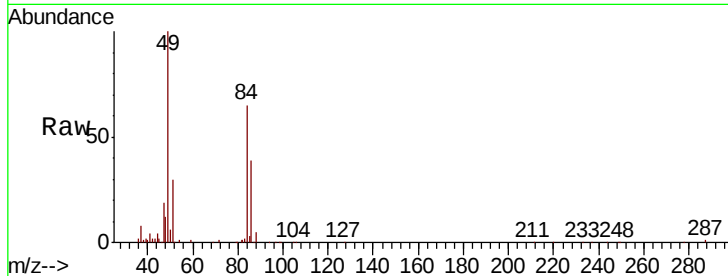
#20
Methvlene Chloride
Concen: 1.684 ppbv m
RT: 4.36 min Scan# 490
Delta R.T. 0.02 min
Lab File: VL036519.D
Acq: 26 Mar 2021 18:27

Instrument :
MSVOA_L
ClientSampleId :
SS-1-MAIN-ELECT-RMDL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	155.0	122.9	184.3	
51	46.5	36.9	55.3	
86	60.4	48.2	72.4	

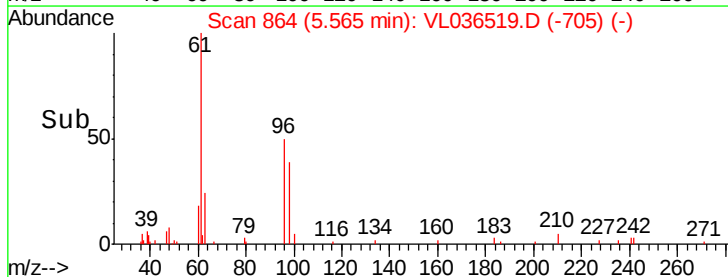
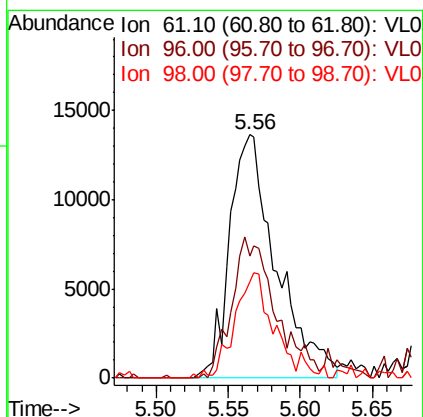
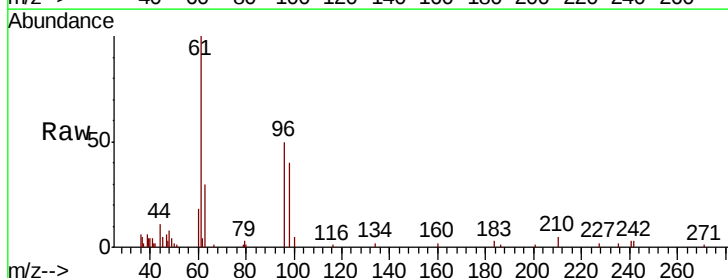
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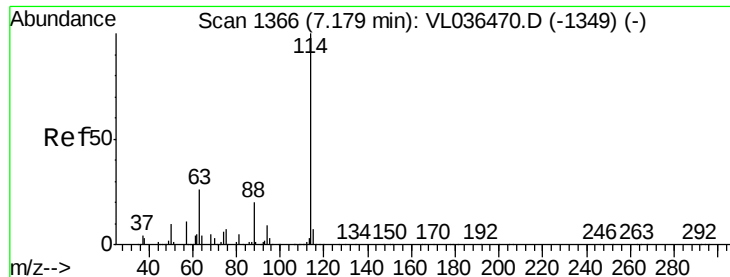
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#31
cis-1,2-Dichloroethene
Concen: 0.213 ppbv m
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL036519.D
Acq: 26 Mar 2021 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
61	100			
96	50.4	48.7	73.1	
98	39.8	31.4	47.0	





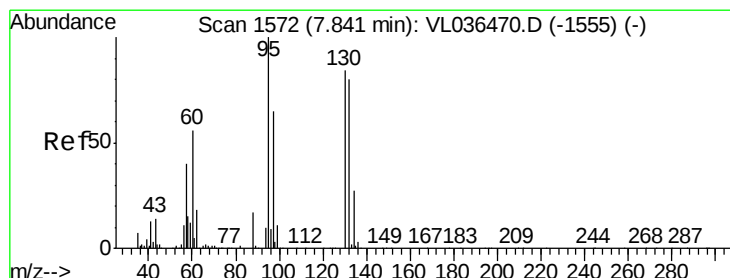
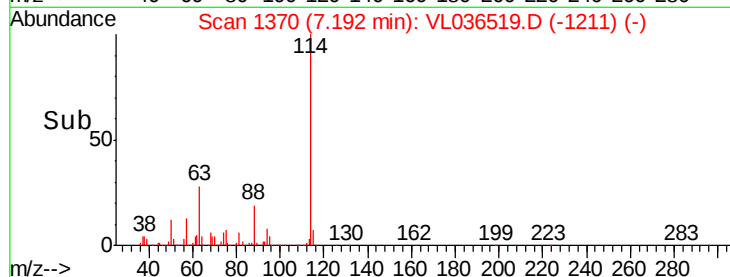
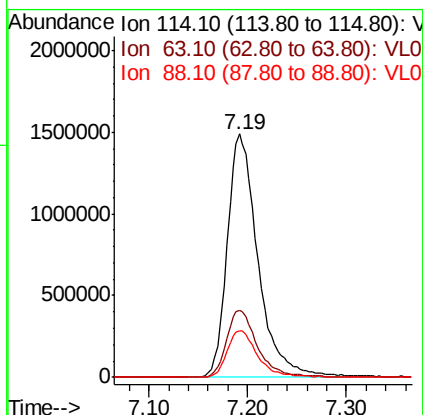
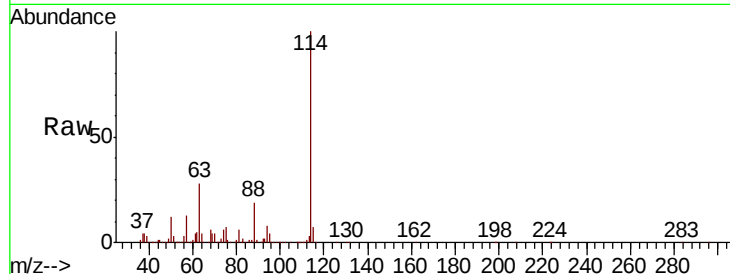
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL036519.D
Acq: 26 Mar 2021 18:27

Instrument :
MSVOA_L
ClientSampleId :
SS-1-MAIN-ELECT-RMDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.4	33.6
88	19.2	15.4	23.0

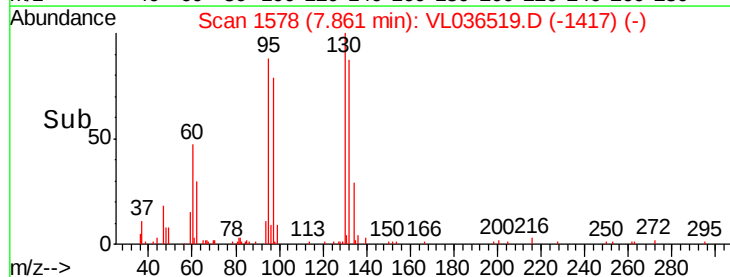
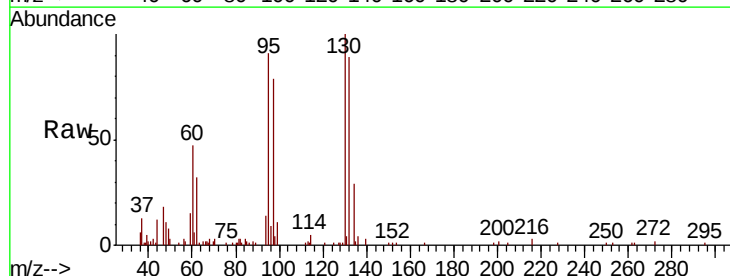
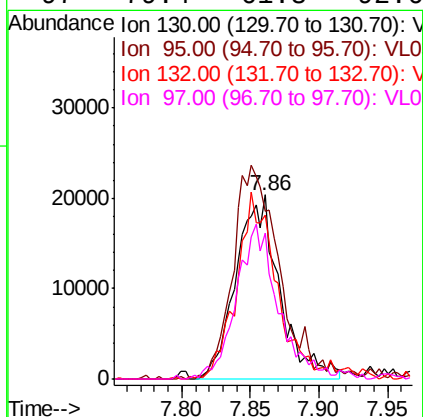
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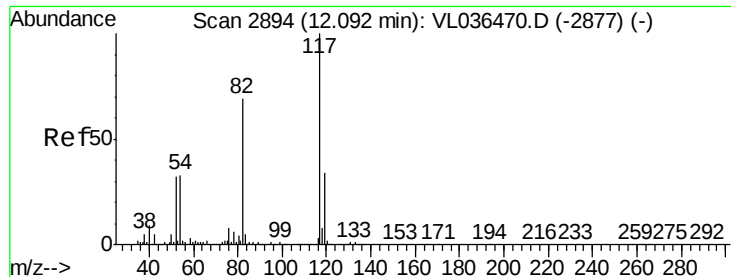
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#38
Trichloroethene
Concen: 0.386 ppbv m
RT: 7.86 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VL036519.D
Acq: 26 Mar 2021 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	95.7	143.5#
132	89.1	76.2	114.4
97	79.4	61.8	92.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL036519.D

Acq: 26 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1-MAIN-ELECT-RMDL

Tot Ion: 117 Resp: 2883450

Ion Ratio Lower Upper

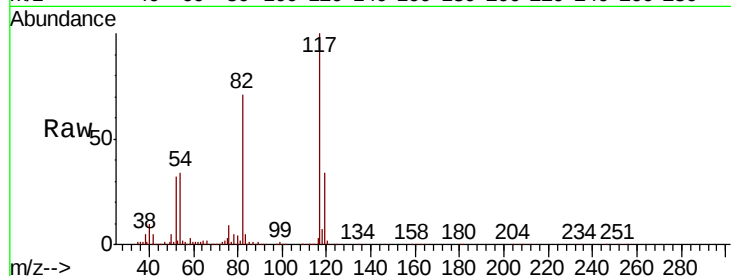
117 100

82 70.9 57.4 86.0

119 34.2 47.4 71.0#

Manual Integrations
APPROVED

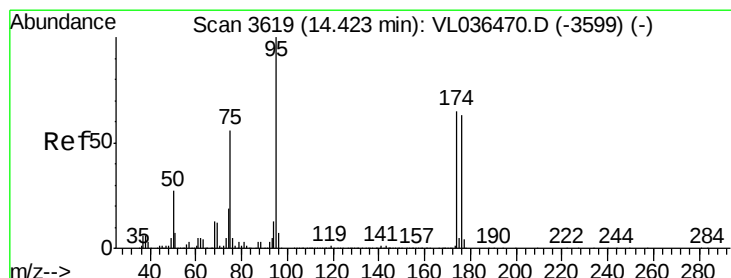
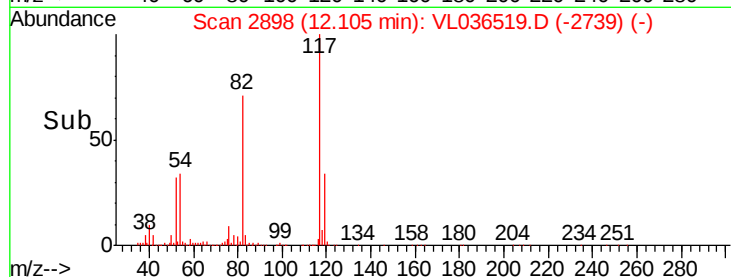
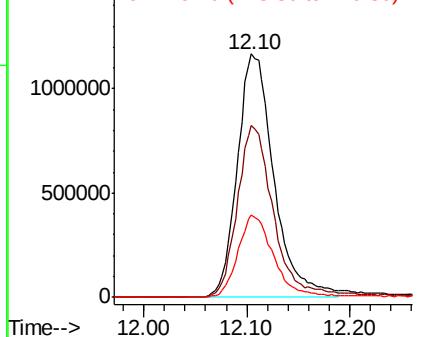
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.468 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036519.D

Acq: 26 Mar 2021 18:27

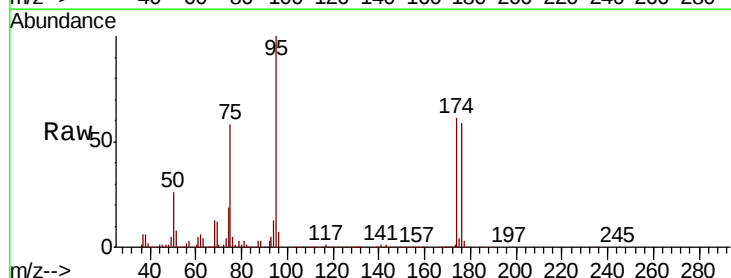
Tgt Ion: 95 Resp: 2175809

Ion Ratio Lower Upper

95 100

174 67.3 51.0 76.6

175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

