

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036223.D
 Acq On : 13 Jan 2021 13:14
 Operator : SY/AP
 Sample : M1066-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4DL

Manual Integrations
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Quant Time: Jan 15 08:38:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1527846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3299837	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3022479	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2473582	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	244288	2.704	ppbv	89
13) Ethanol	3.61	45	125722m	6.629	ppbv	
15) Acetone	3.85	43	512359	2.824	ppbv	94
17) tert-Butyl alcohol	4.31	59	39731	0.267	ppbv #	85
20) Methylene Chloride	4.34	84	102335m	1.842	ppbv	
26) Hexane	5.69	57	109424	0.708	ppbv #	40
29) Chloroform	5.75	83	62292	0.275	ppbv	92
34) 2-Butanone	5.26	43	38292	0.182	ppbv #	64
38) Trichloroethene	7.84	130	8139m	0.072	ppbv	

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

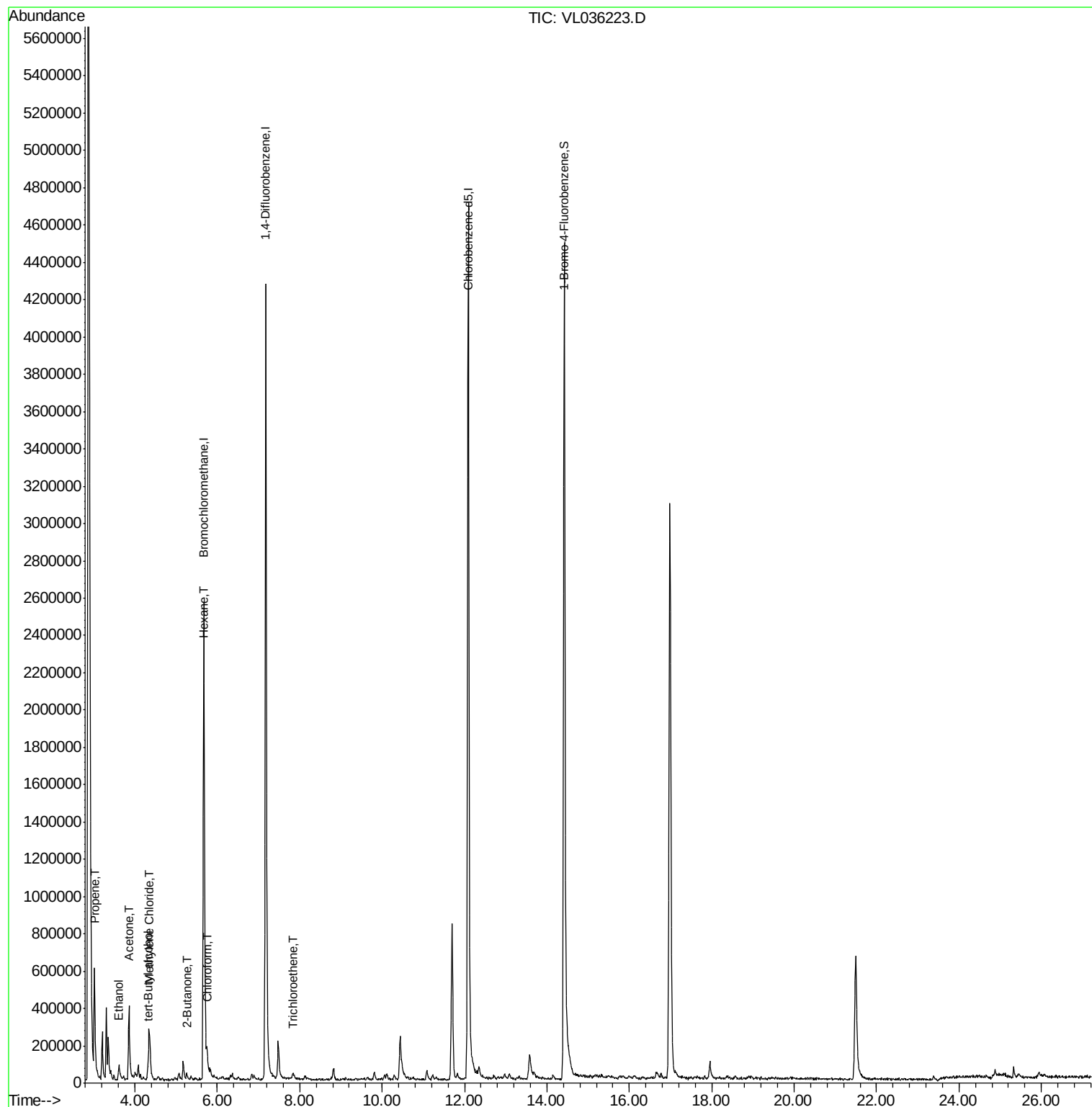
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036223.D
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Misc : 400ml/MSVOA L
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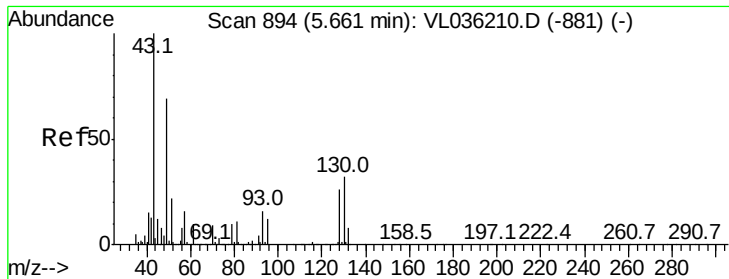
Instrument :
MSVOA_L
ClientSampleId :
0121-SS4DL

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Quant Time: Jan 15 08:38:13 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan
QLast Update : Wed Jan 13 07:53:51 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036223.D

Acq: 13 Jan 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

0121-SS4DL

Tot Ion: 49 Resp: 1527846

Ion Ratio Lower Upper

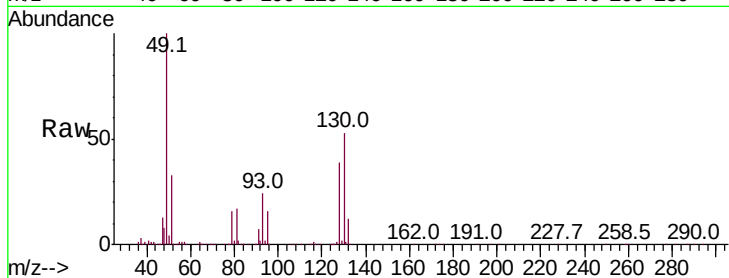
49 100

128 40.8 20.1 60.2

130 52.8 25.3 75.9

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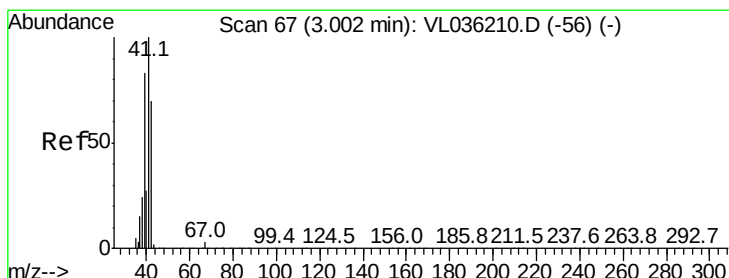
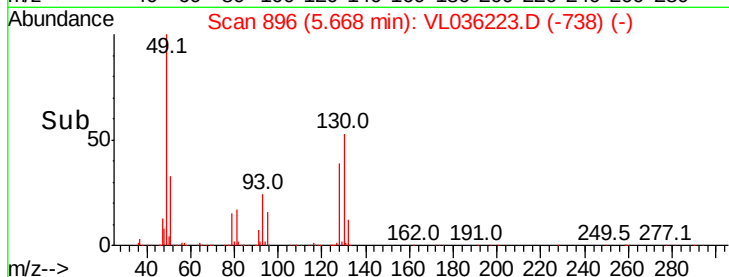
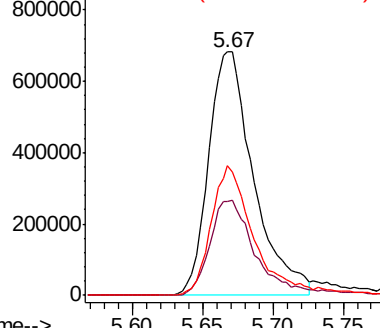
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.704 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL036223.D

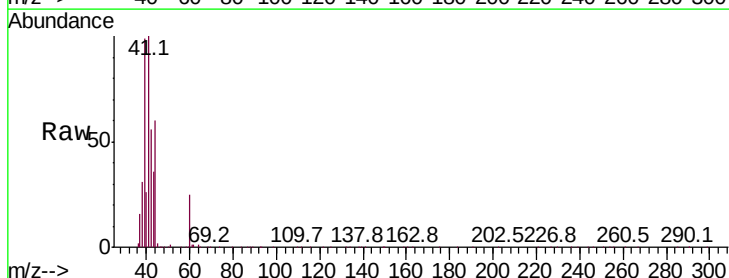
Acq: 13 Jan 2021 13:14

Tgt Ion: 41 Resp: 244288

Ion Ratio Lower Upper

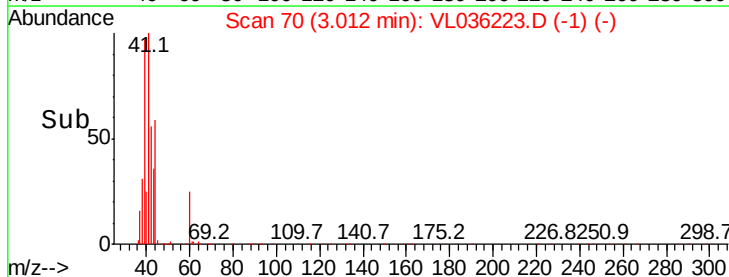
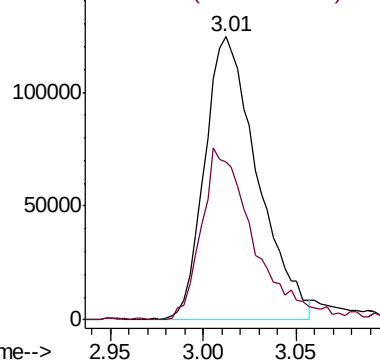
41 100

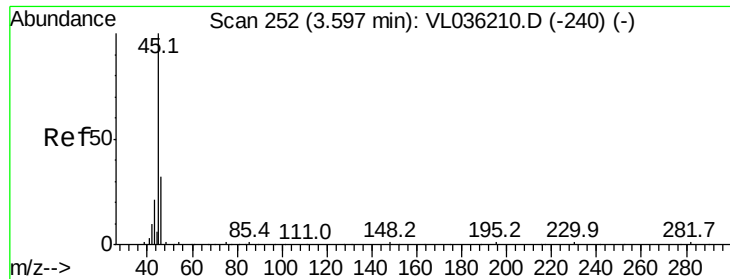
42 62.5 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





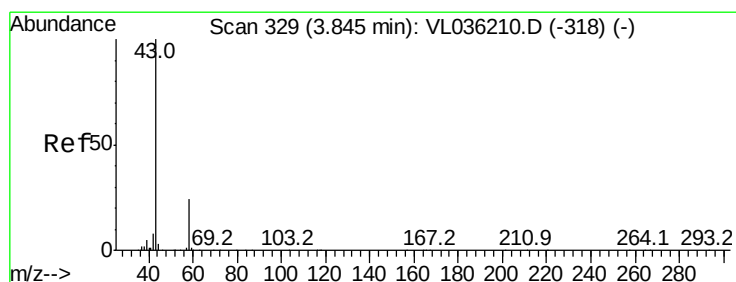
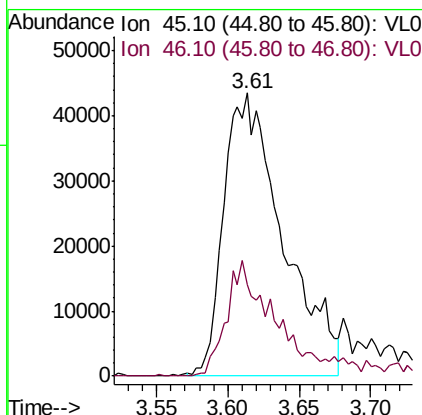
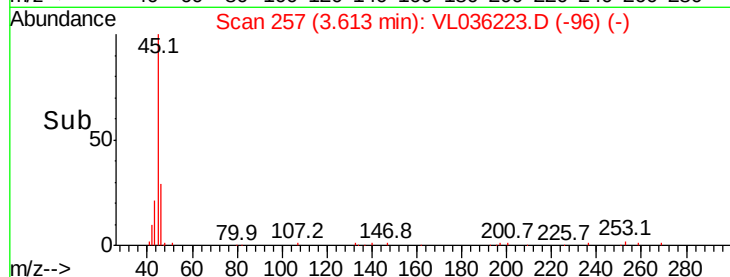
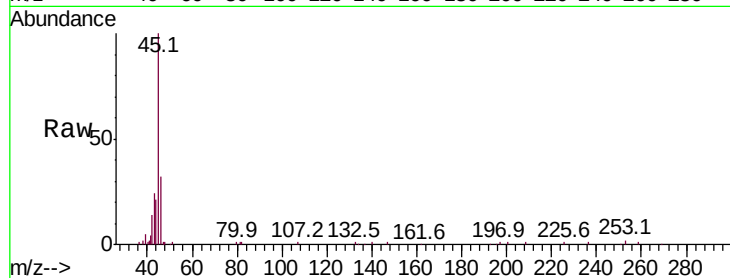
#13
Ethanol
Concen: 6.629 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
0121-SS4DL

Tot Ion: 45 Resp: 125722
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#

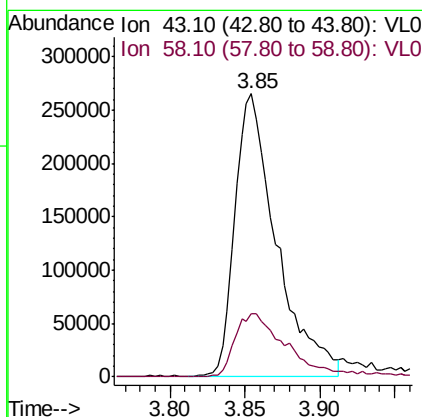
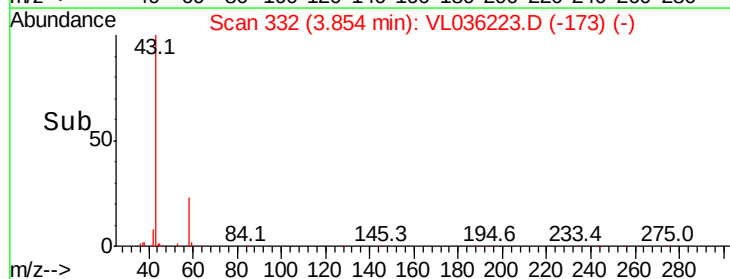
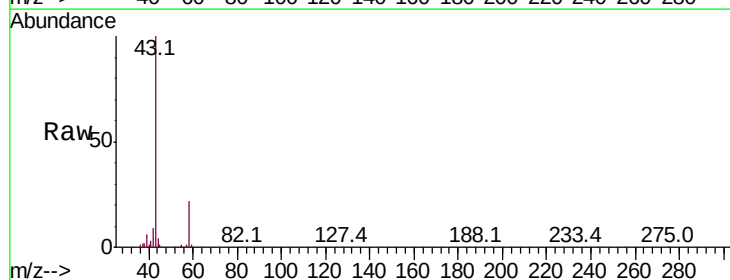
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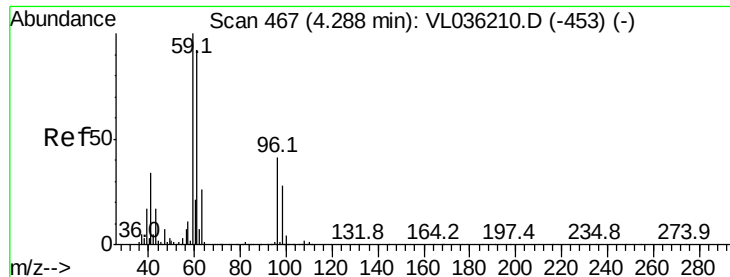
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#15
Acetone
Concen: 2.824 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Tgt Ion: 43 Resp: 512359
Ion Ratio Lower Upper
43 100
58 29.0 20.9 31.3





#17

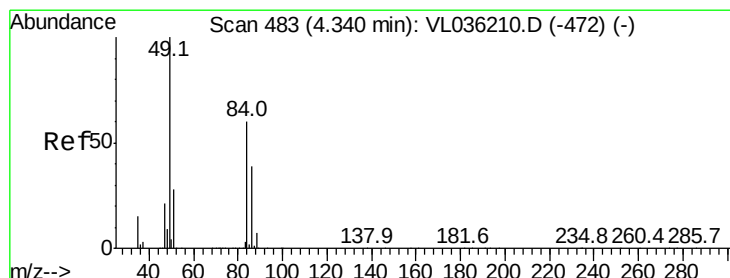
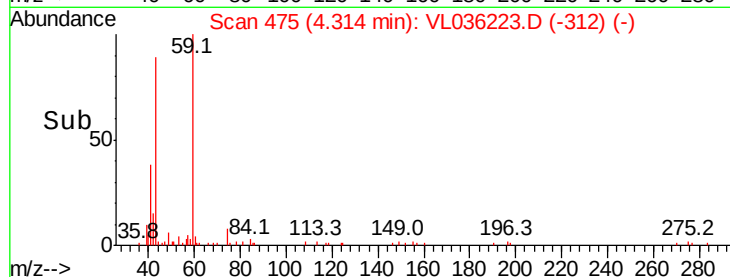
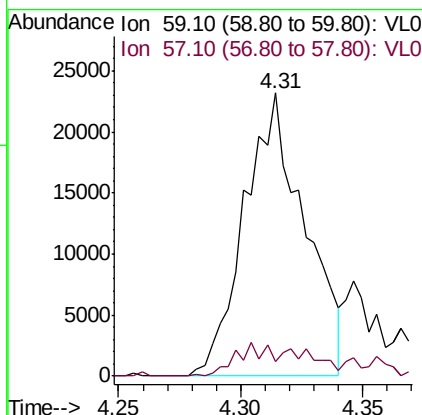
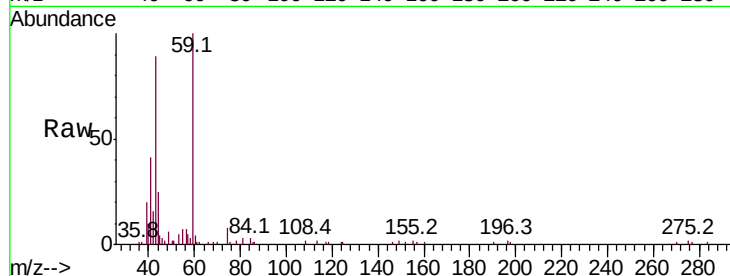
tert-Butyl alcohol
Concen: 0.267 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.03 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
0121-SS4DL

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	17.2	9.2	13.8#

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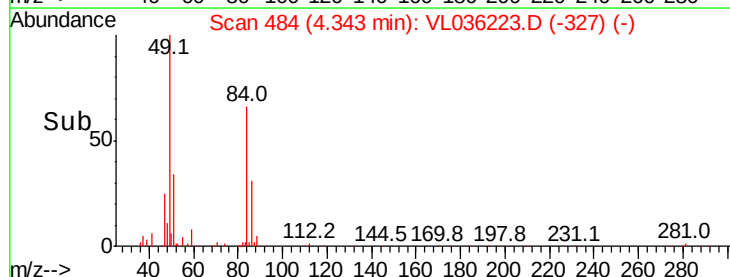
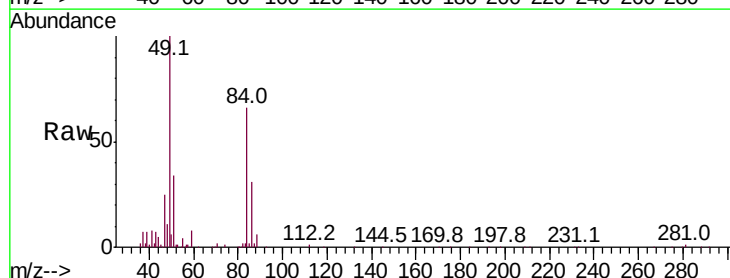
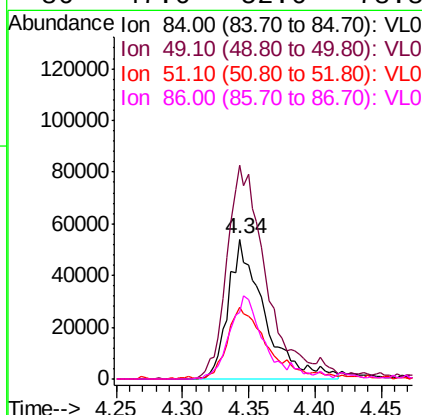
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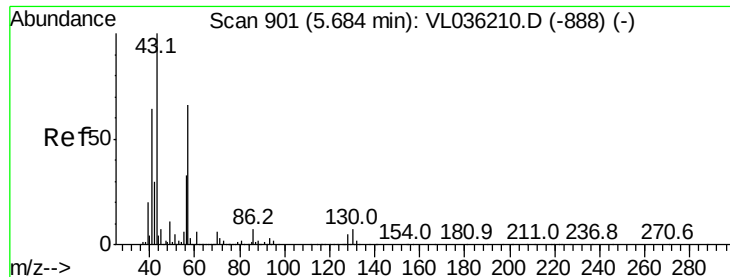


#20

Methylene Chloride
Concen: 1.842 ppbv m
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	152.5	134.1	201.1
51	51	51.4	37.4	56.0
86	86	47.6	52.6	78.8#





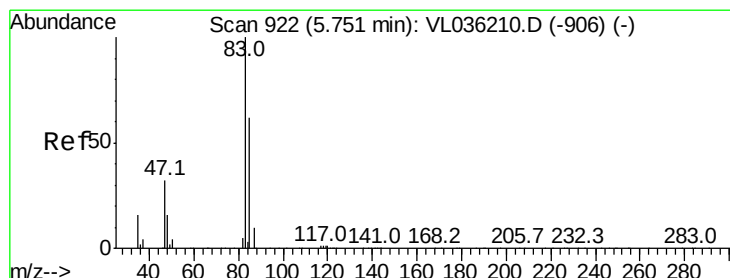
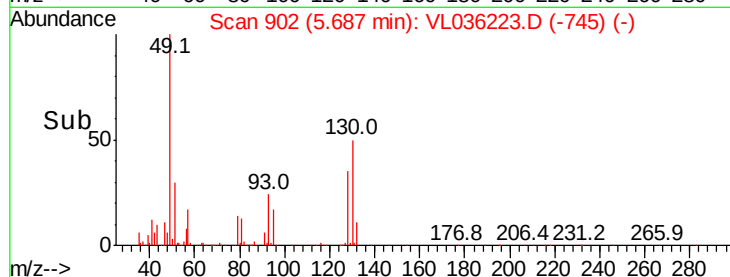
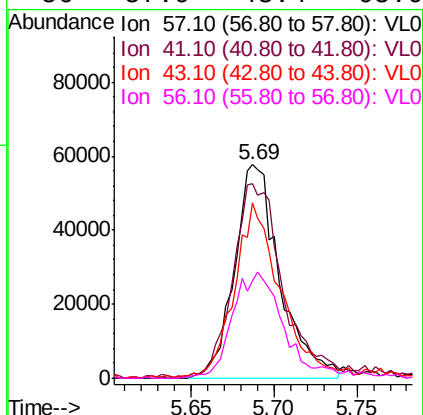
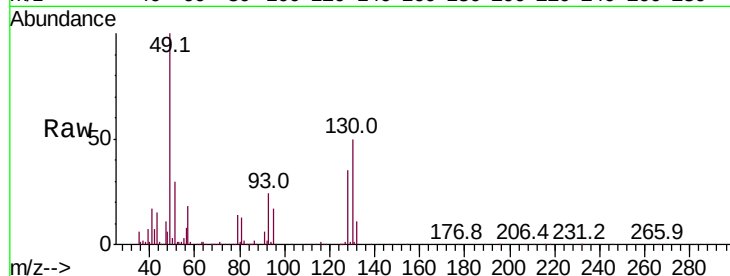
#26
Hexane
Concen: 0.708 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
0121-SS4DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	101.9	83.0	124.6
43	84.9	202.4	303.6#
56	57.9	43.4	65.0

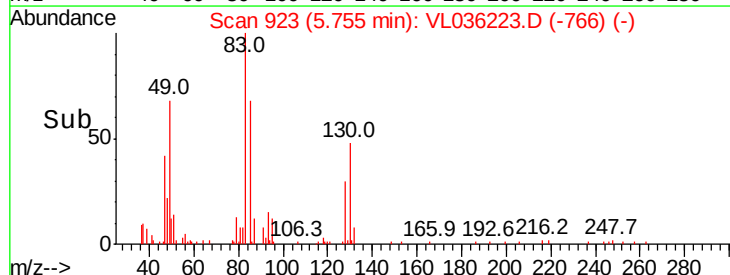
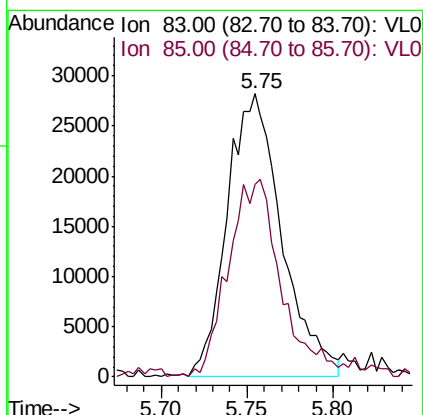
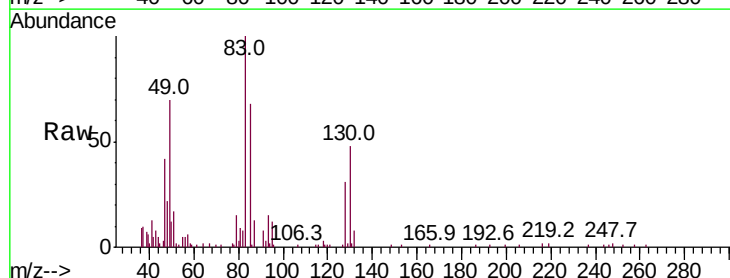
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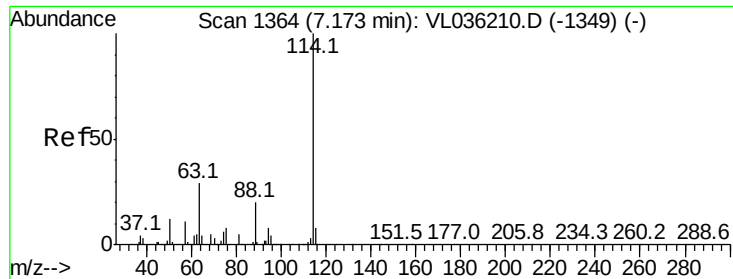
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#29
Chloroform
Concen: 0.275 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL036223.D
Acq: 13 Jan 2021 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	49.3	73.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL036223.D

Acq: 13 Jan 2021 13:14

Instrument :

MSVOA_L

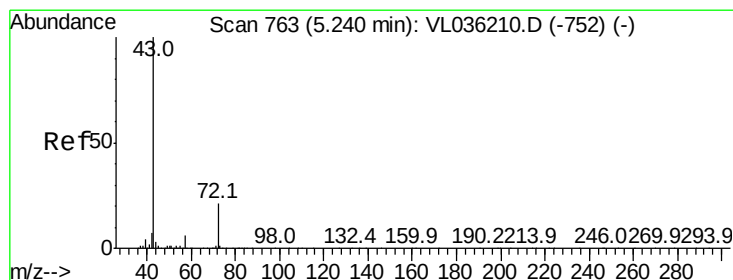
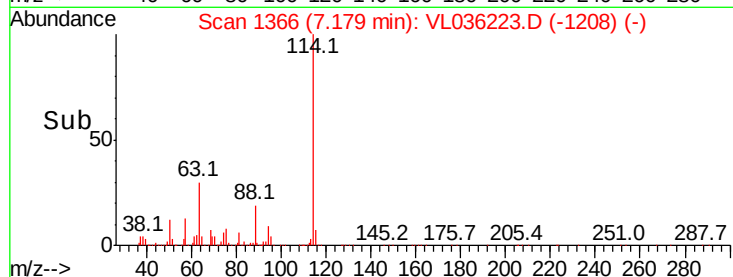
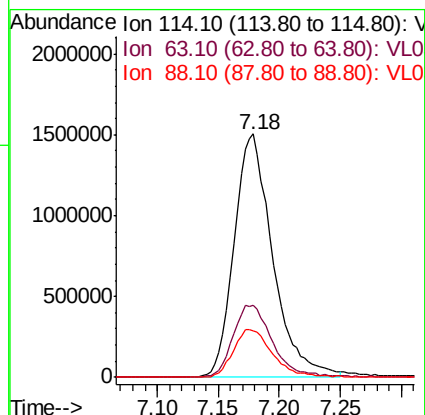
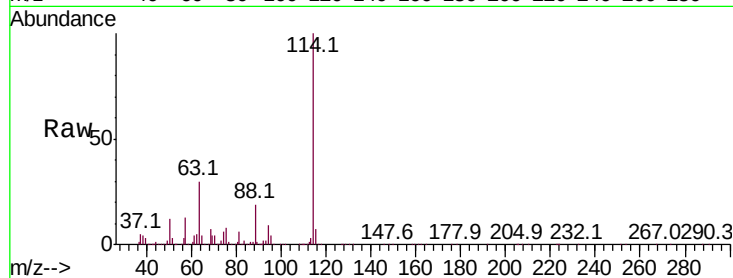
ClientSampleId :

0121-SS4DL

Tot Ion:	114	Resp:	3299837
Ion	Ratio	Lower	Upper
114	100		
63	30.8	24.7	37.1
88	20.4	16.6	24.8

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#34

2-Butanone

Concen: 0.182 ppbv

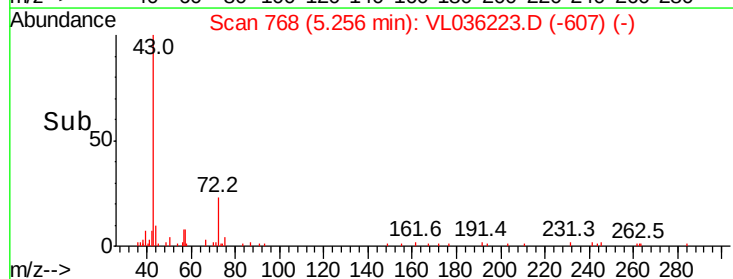
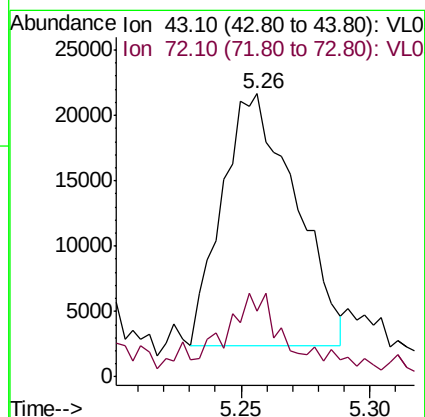
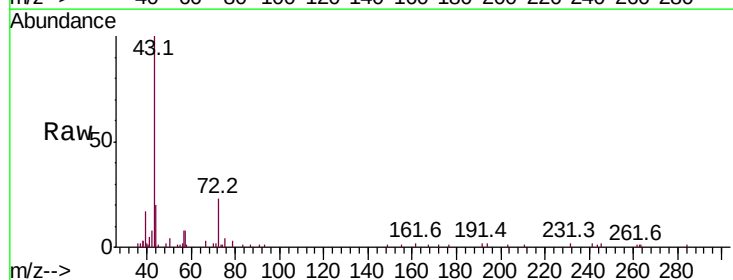
RT: 5.26 min Scan# 768

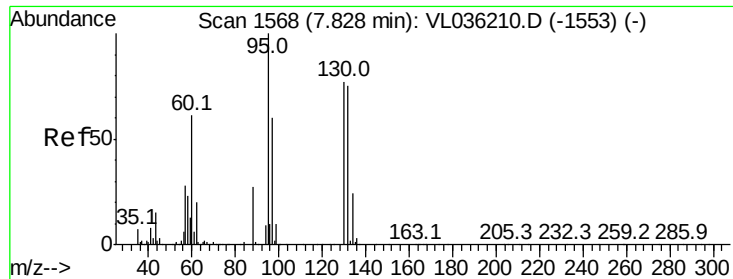
Delta R.T. 0.02 min

Lab File: VL036223.D

Acq: 13 Jan 2021 13:14

Tgt Ion:	43	Resp:	38292
Ion	Ratio	Lower	Upper
43	100		
72	36.7	16.1	24.1#





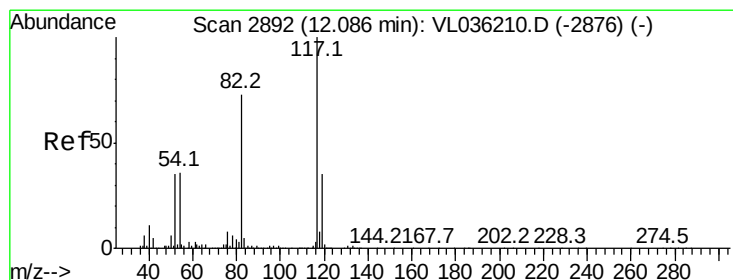
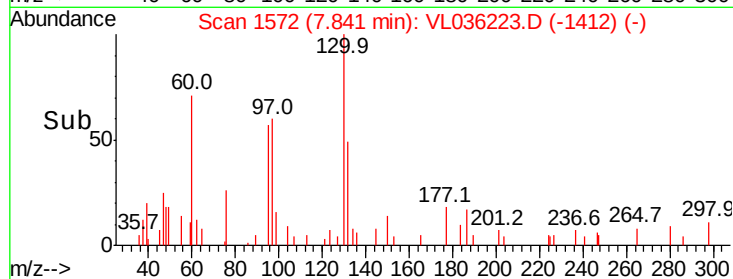
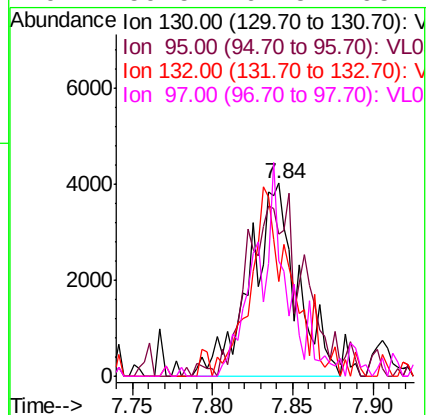
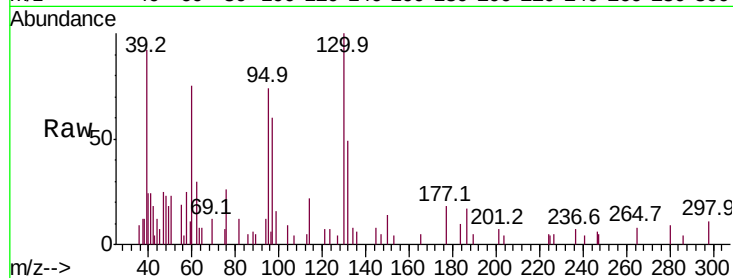
#38
 Trichloroethene
 Concen: 0.072 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL036223.D
 Acq: 13 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	73.8	103.9	155.9#
132	48.8	77.4	116.2#
97	59.5	62.5	93.7#

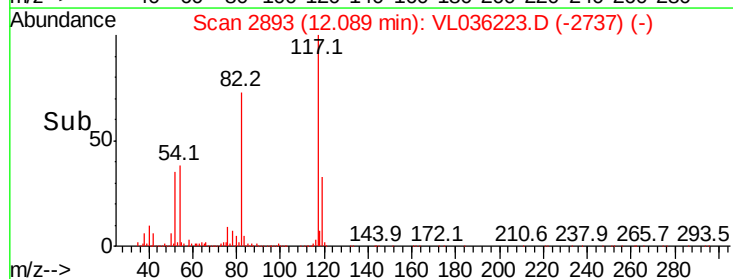
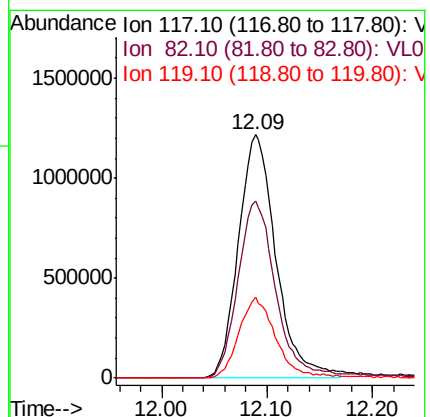
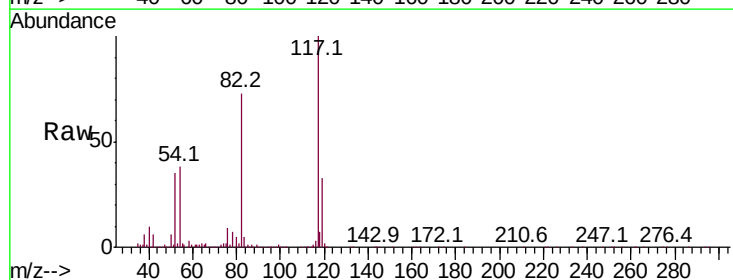
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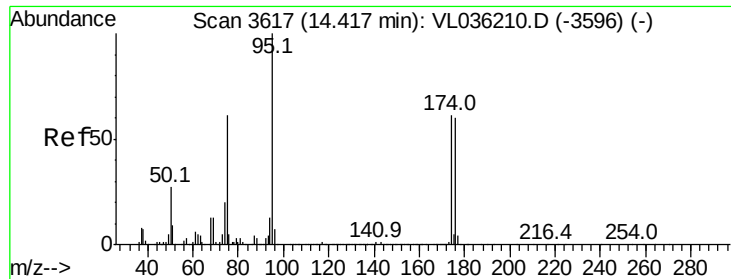
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. 0.00 min
 Lab File: VL036223.D
 Acq: 13 Jan 2021 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	76.6	59.7	89.5
119	33.3	28.6	43.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.887 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.00 min
 Lab File: VL036223.D
 Acq: 13 Jan 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.3	49.4	74.0
175	4.6	3.8	5.8

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