

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036222.D
 Acq On : 13 Jan 2021 12:36
 Operator : SY/AP
 Sample : M1066-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS3DL

Manual Integrations
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Quant Time: Jan 15 08:37:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1524279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3253892	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2939058	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2387468	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	34465m	0.387	ppbv	
13) Ethanol	3.62	45	145215	10.374	ppbv	88
15) Acetone	3.85	43	460301	2.466	ppbv	94
17) tert-Butyl alcohol	4.32	59	45580m	0.296	ppbv	
20) Methylene Chloride	4.35	84	175109	2.939	ppbv	96
26) Hexane	5.69	57	228112	1.462	ppbv #	38
32) 1,1,1-Trichloroethane	6.52	97	183674	0.850	ppbv	96
52) Tetrachloroethene	11.22	164	14116m	0.128	ppbv	
53) Toluene	9.81	91	37490m	0.112	ppbv	

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

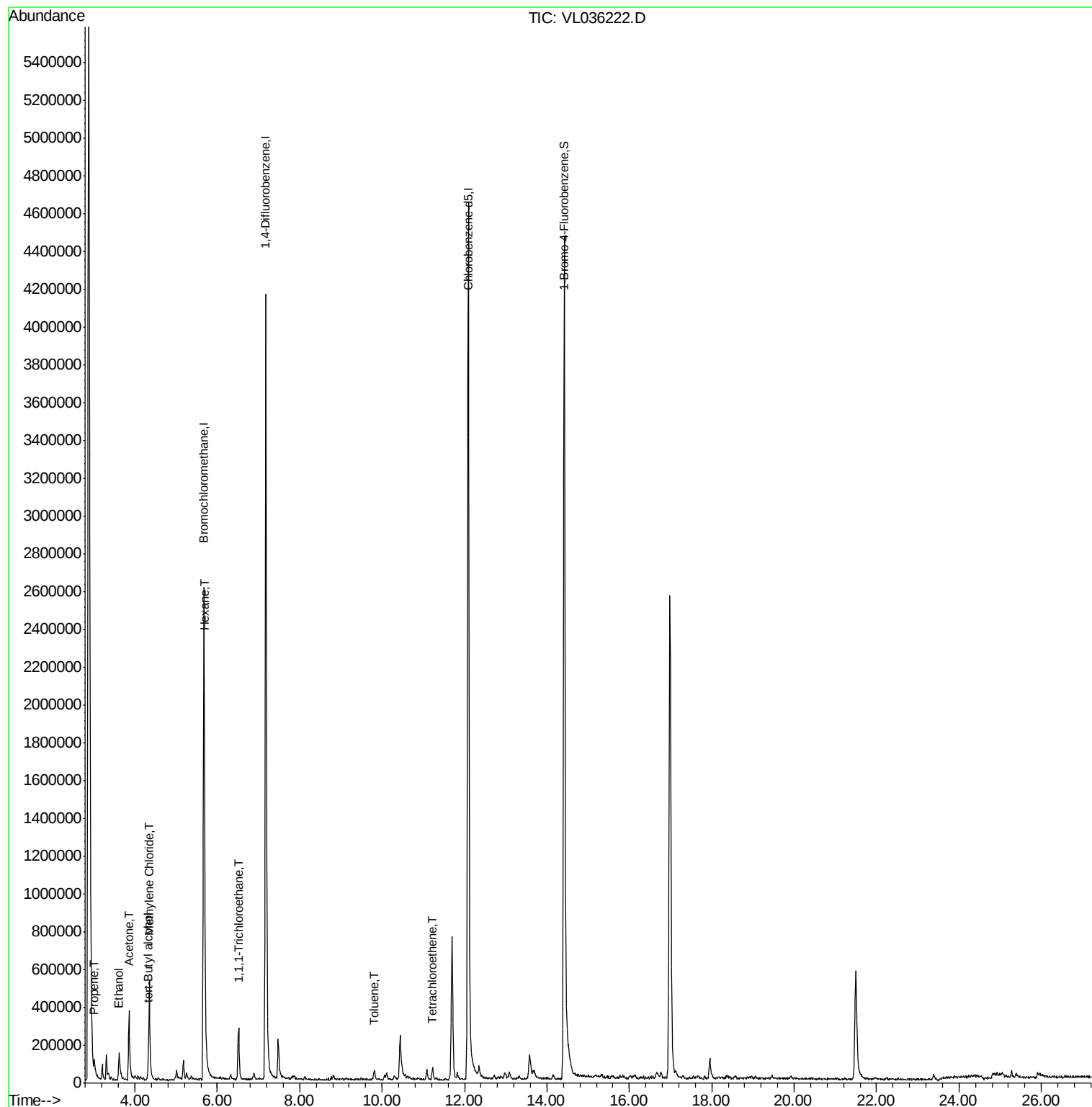
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036222.D
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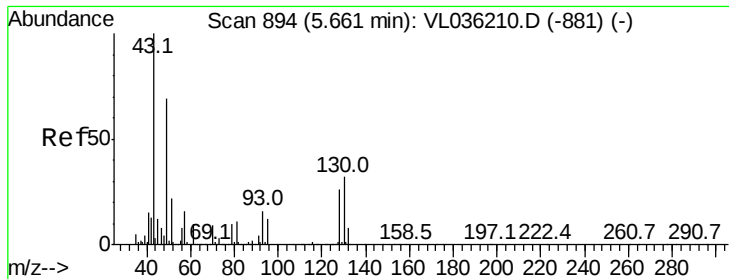
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3DL

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Quant Time: Jan 15 08:37:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

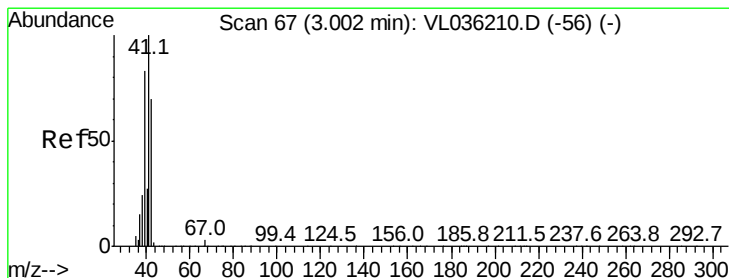
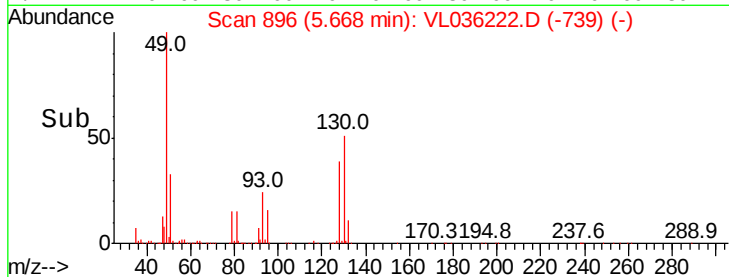
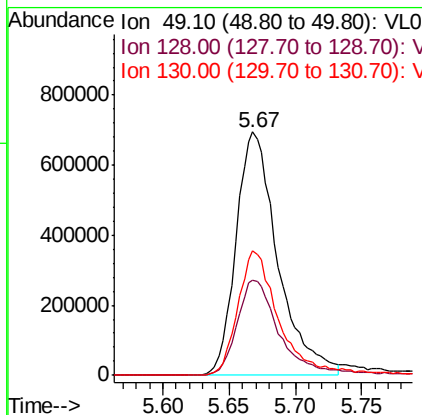
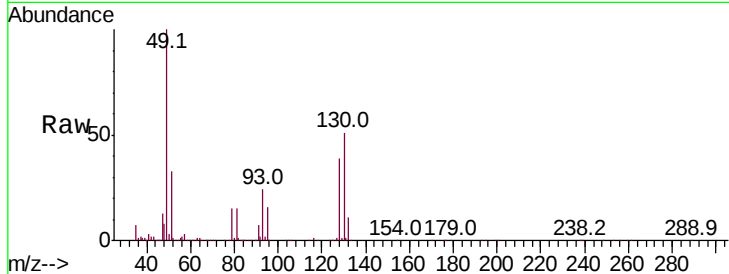
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VL036222.D
 Acq: 13 Jan 2021 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS3DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.7	20.1	60.2
130	52.4	25.3	75.9

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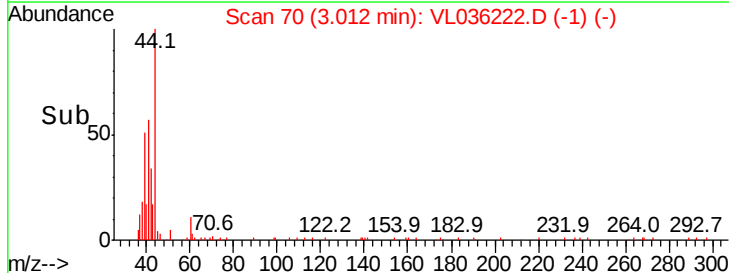
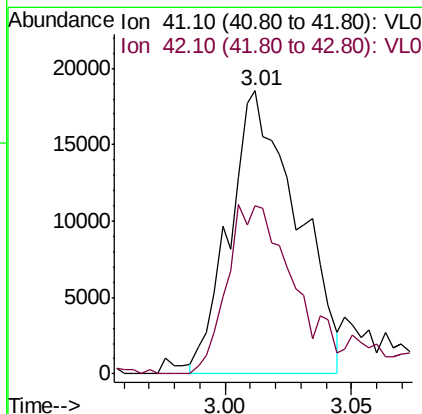
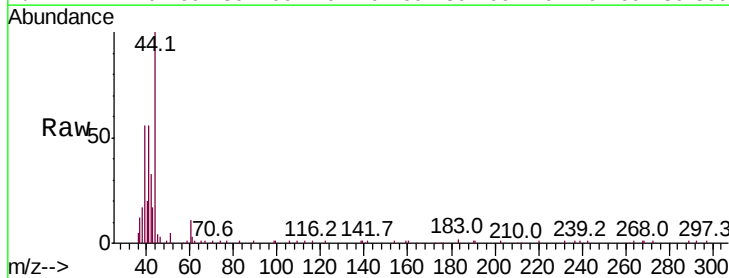
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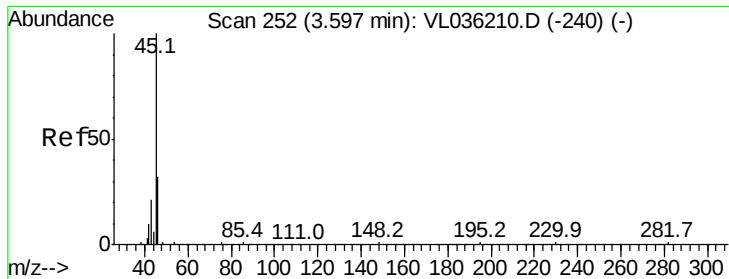


#9

Propene
 Concen: 0.387 ppbv m
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL036222.D
 Acq: 13 Jan 2021 12:36

Tgt Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.1	85.7#





#13

Ethanol

Concen: 10.374 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL036222.D

Acq: 13 Jan 2021 12:36

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3DL

Tot Ion: 45 Resp: 145215

Ion Ratio Lower Upper

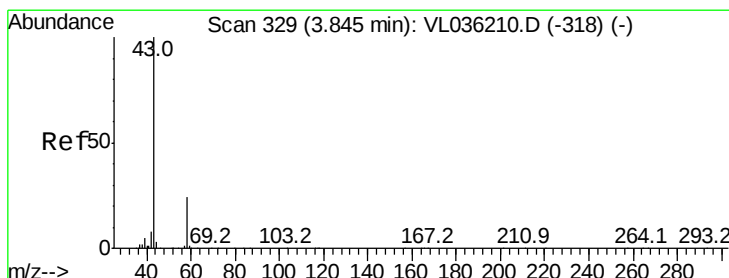
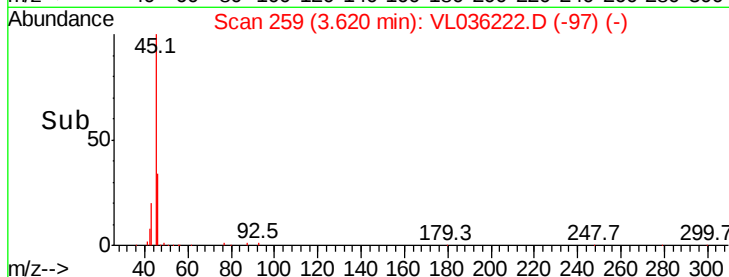
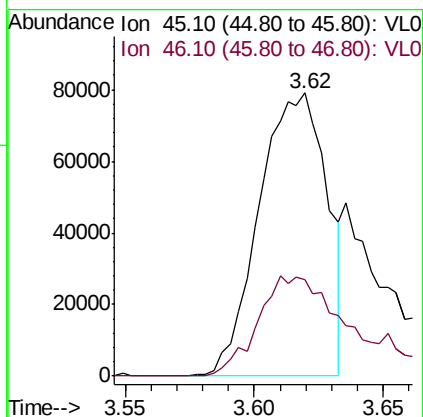
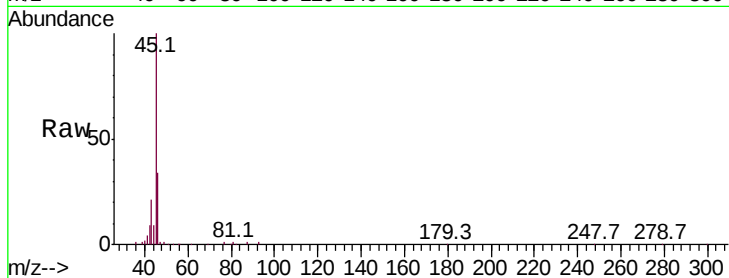
45 100

46 56.5 19.2 77.0

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#15

Acetone

Concen: 2.466 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036222.D

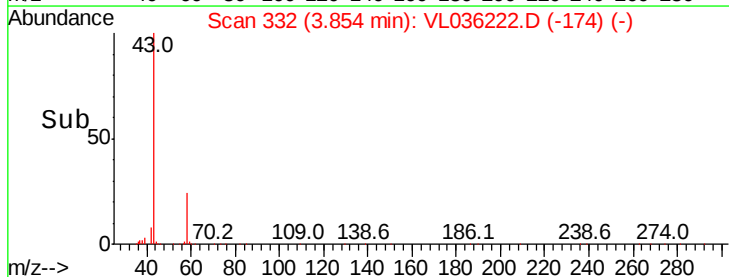
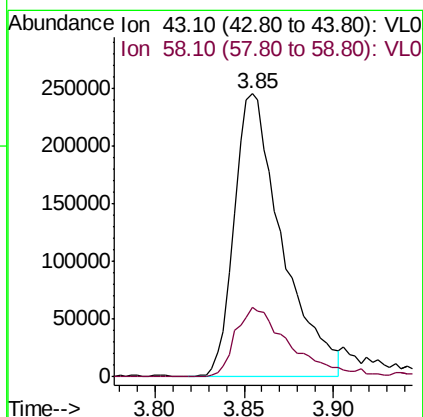
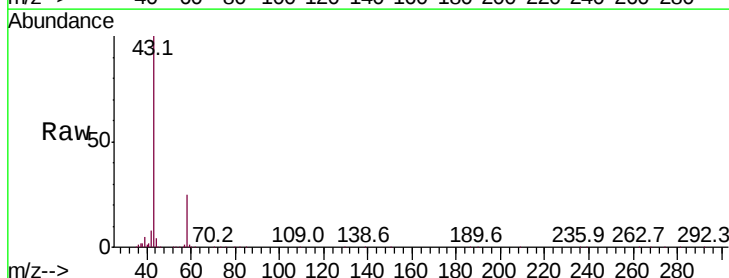
Acq: 13 Jan 2021 12:36

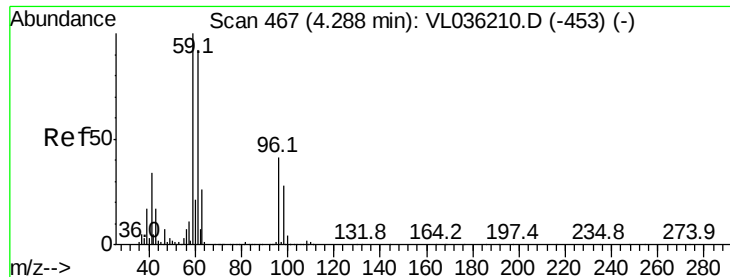
Tgt Ion: 43 Resp: 460301

Ion Ratio Lower Upper

43 100

58 29.0 20.9 31.3





#17

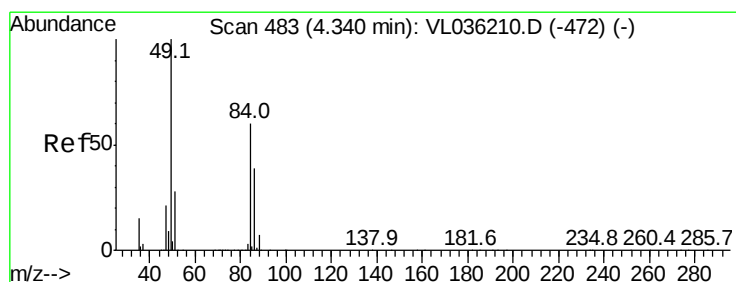
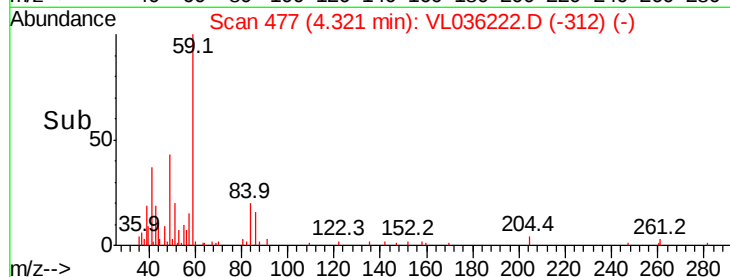
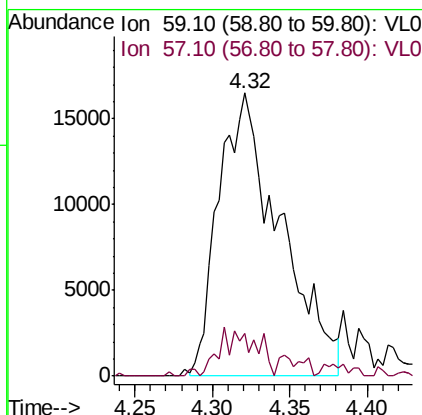
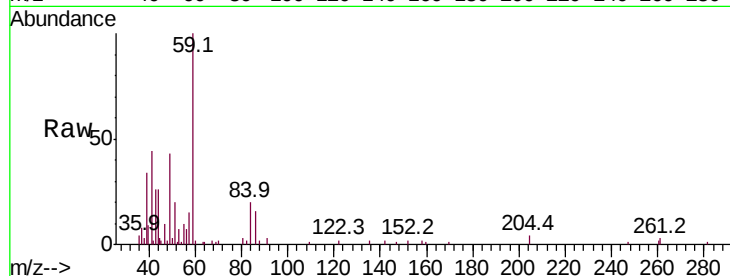
tert-Butyl alcohol
Concen: 0.296 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Instrument :
MSVOA_L
ClientSampleId :
0121-SS3DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#

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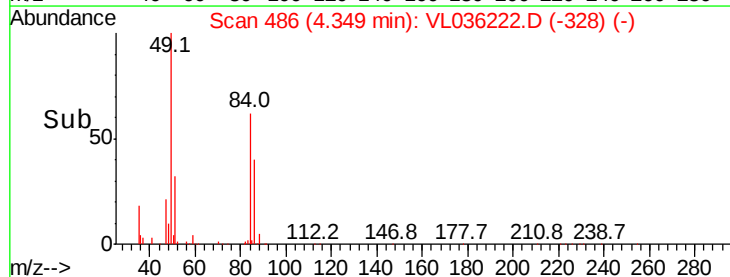
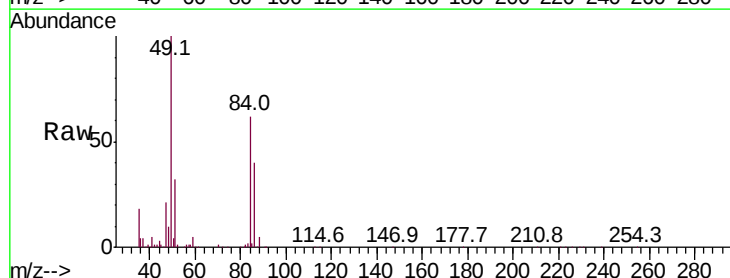
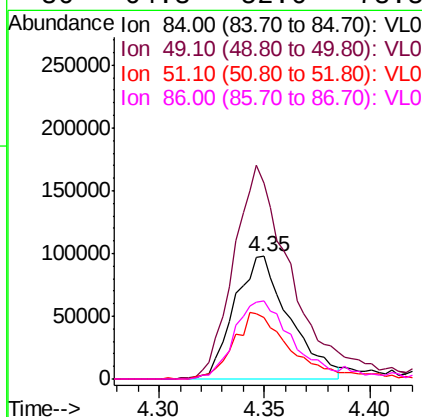
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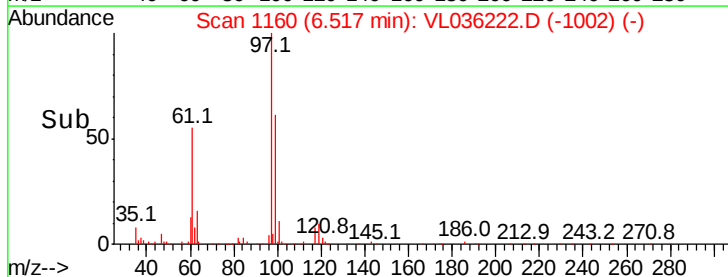
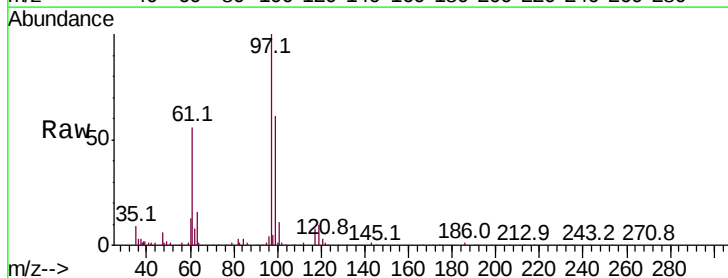
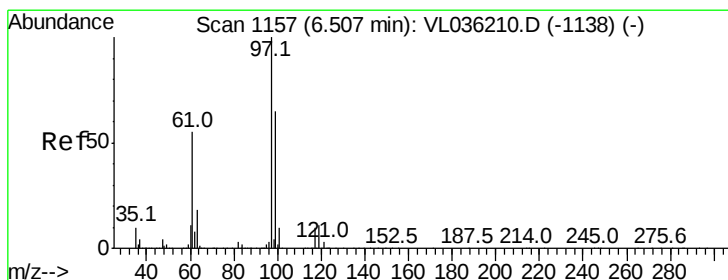
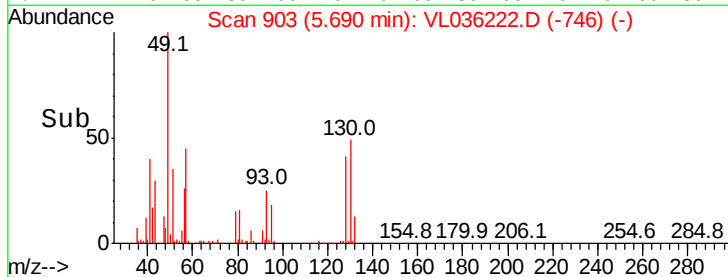
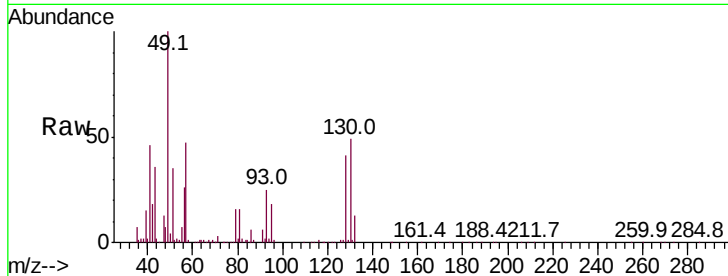
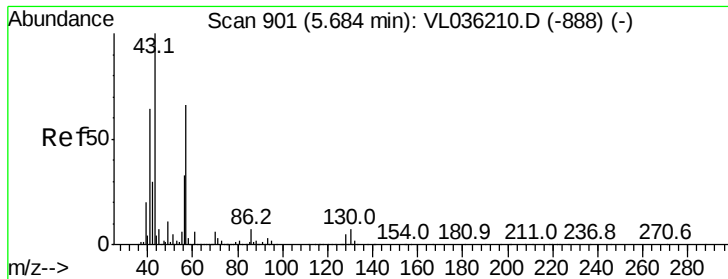


#20

Methylene Chloride
Concen: 2.939 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.5	134.1	201.1
51	50.6	37.4	56.0
86	64.3	52.6	78.8





#26

Hexane

Concen: 1.462 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL036222.D

Acq: 13 Jan 2021 12:36

Tot Ion: 57 Resp: 228112

Ion Ratio Lower Upper

57 100

41 98.6 83.0 124.6

43 81.0 202.4 303.6#

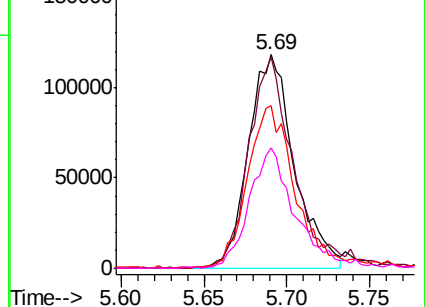
56 57.1 43.4 65.0

Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#32

1,1,1-Trichloroethane

Concen: 0.850 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL036222.D

Acq: 13 Jan 2021 12:36

Tgt Ion: 97 Resp: 183674

Ion Ratio Lower Upper

97 100

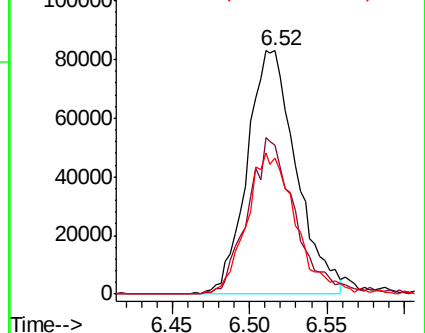
99 63.0 52.0 78.0

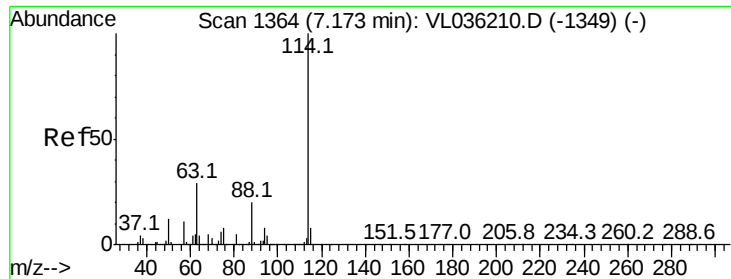
61 58.4 43.6 65.4

Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





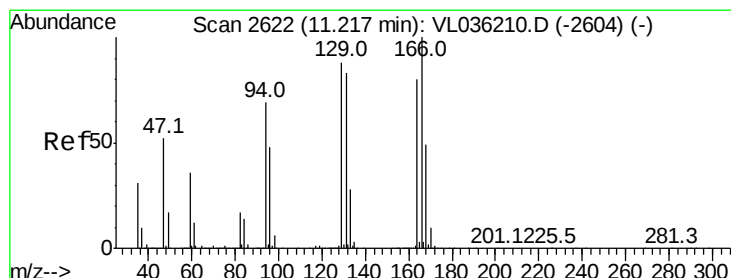
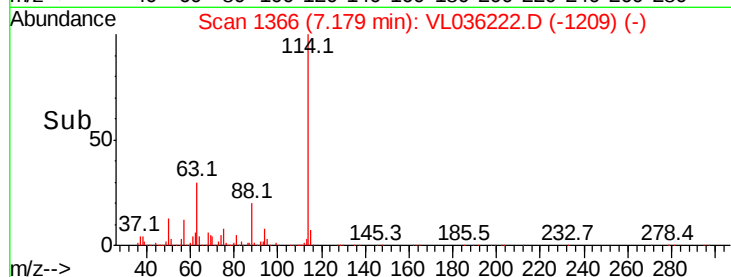
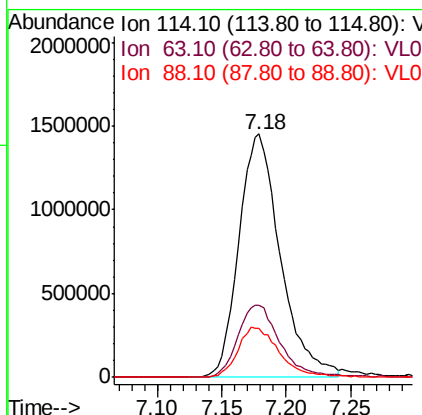
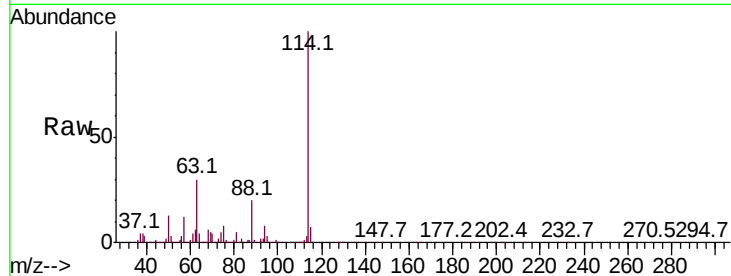
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Instrument :
MSVOA_L
ClientSampleId :
0121-SS3DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.8	24.7	37.1
88	20.8	16.6	24.8

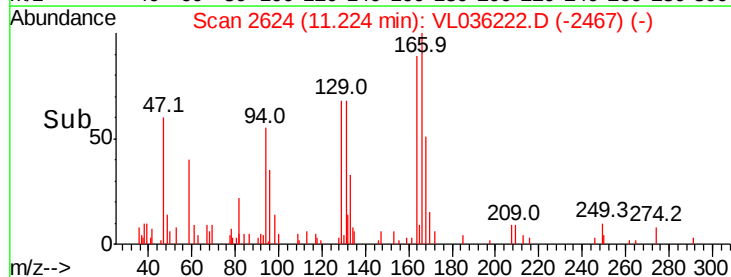
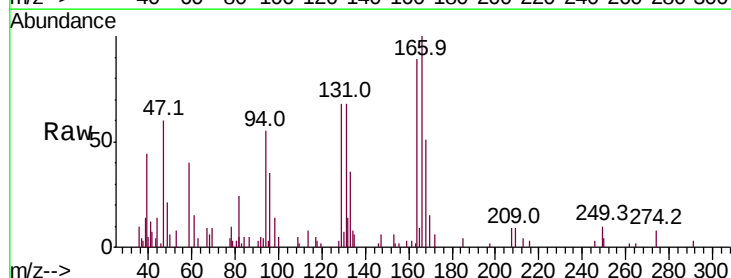
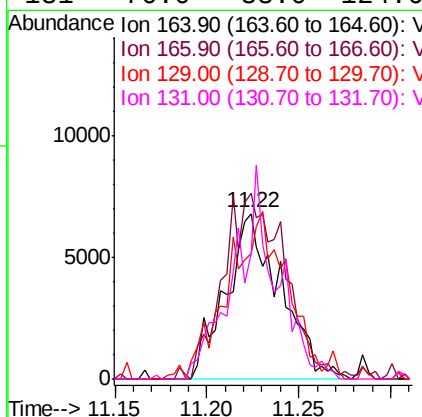
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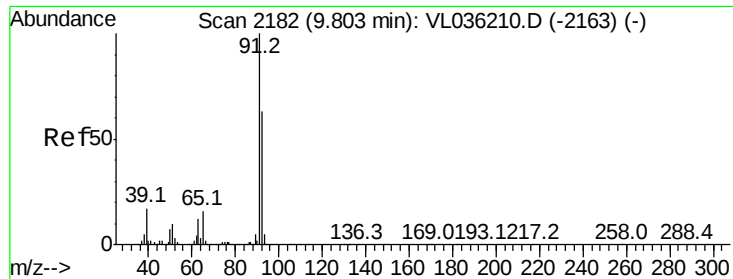
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#52
Tetrachloroethene
Concen: 0.128 ppbv m
RT: 11.22 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.2	99.9	149.9
129	76.1	88.2	132.4#
131	76.0	83.0	124.6#





#53

Toluene

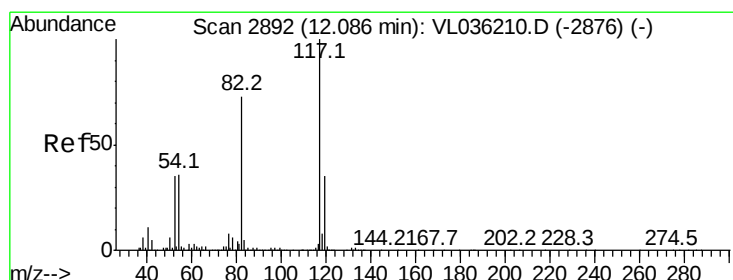
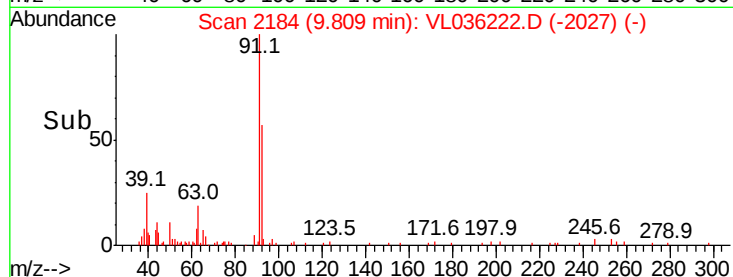
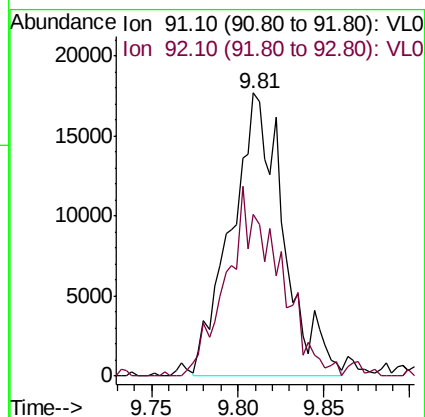
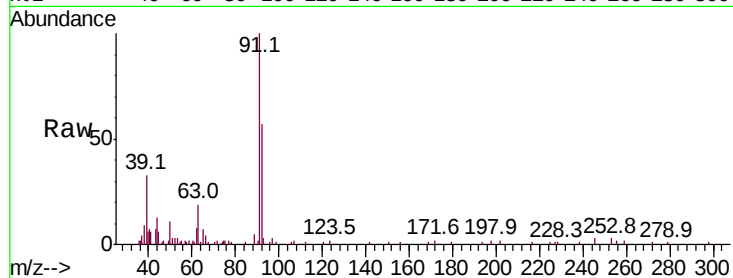
Concen: 0.112 ppbv m
RT: 9.81 min Scan# 2184
Delta R.T. 0.01 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Instrument :
MSVOA_L
ClientSampleId :
0121-SS3DL

Tot Ion: 91 Resp: 37490
Ion Ratio Lower Upper
91 100
92 66.2 48.5 72.7

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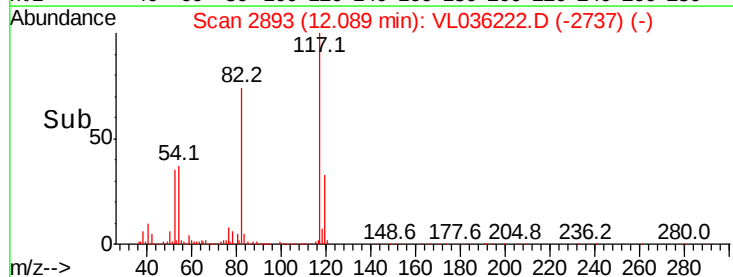
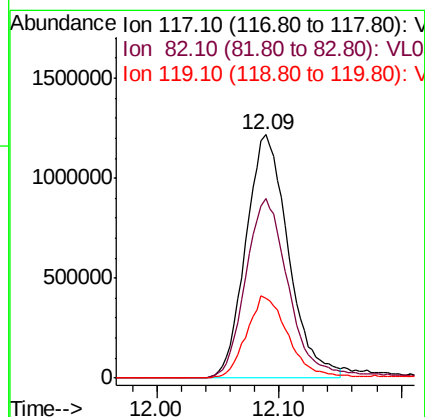
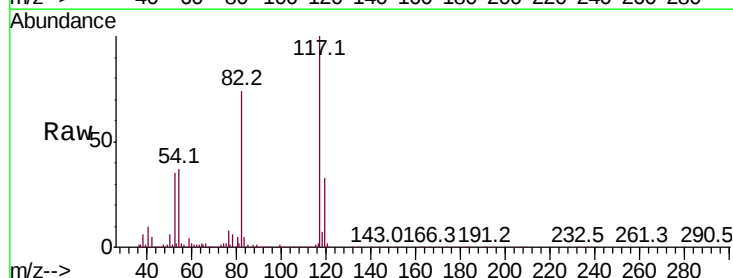


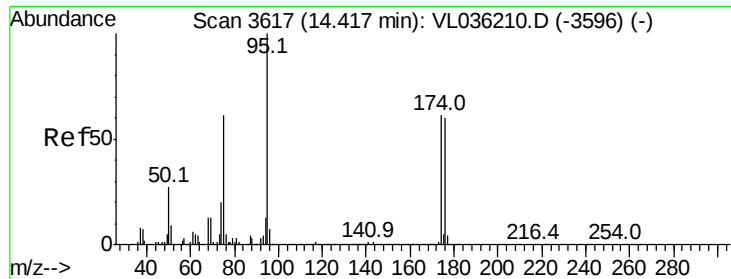
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL036222.D
Acq: 13 Jan 2021 12:36

Tgt Ion: 117 Resp: 2939058
Ion Ratio Lower Upper
117 100
82 77.5 59.7 89.5
119 34.2 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.814 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL036222.D

Acq: 13 Jan 2021 12:36

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3DL

Tot Ion: 95 Resp: 2387468

Ion Ratio Lower Upper

95 100

174 64.9 49.4 74.0

175 4.8 3.8 5.8

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