

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036231.D
 Acq On : 13 Jan 2021 18:53
 Operator : SY/AP
 Sample : M1066-05
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS1

Manual Integrations
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 1/18/2021 3:49:43 PM

Quant Time: Jan 15 08:29:33 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 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	1442455	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3326760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2982720	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2459295	9.96	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	40816m	0.211	ppbv	
3) Chlorodifluoromethane	2.98	51	70415m	0.397	ppbv	
4) Chloromethane	3.14	50	46658	0.533	ppbv	92
9) Propene	3.02	41	85218	1.010	ppbv	92
10) Heptane	8.12	43	26475	0.126	ppbv #	79
11) Trichlorofluoromethane	3.95	101	46467m	0.236	ppbv	
13) Ethanol	3.62	45	468388	35.359	ppbv	83
15) Acetone	3.85	43	1213428	6.869	ppbv	95
20) Methylene Chloride	4.34	84	4046478	71.767	ppbv	96
26) Hexane	5.69	57	4757247	32.216	ppbv #	36
30) Cyclohexane	7.14	84	29520m	0.262	ppbv	
35) Carbon Tetrachloride	7.02	117	12905m	0.061	ppbv	
36) Benzene	6.90	78	145402m	0.477	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	94646m	0.169	ppbv	
53) Toluene	9.81	91	231140	0.678	ppbv	94
58) Ethyl Benzene	12.71	91	47007m	0.106	ppbv	
59) m/p-Xylene	12.97	91	123367m	0.324	ppbv	
60) o-Xylene	13.70	91	48506	0.132	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	76341m	0.189	ppbv	

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

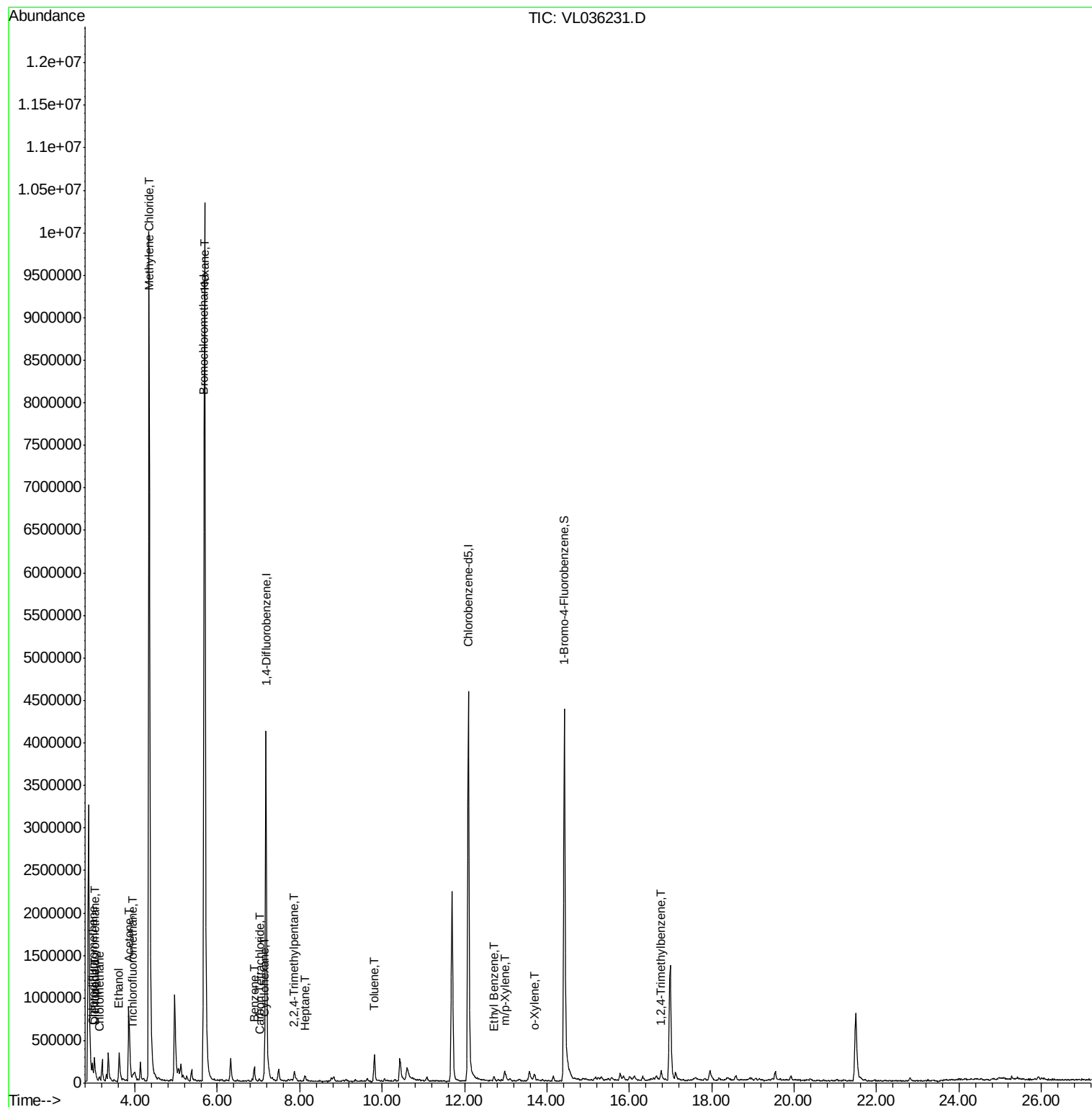
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
Data File : VL036231.D
Acq On : 13 Jan 2021 18:53
Operator : SY/AP
Sample : M1066-05
Misc : 400ml/MSVOA L
ALS Vial : 11 Sample Multiplier: 1

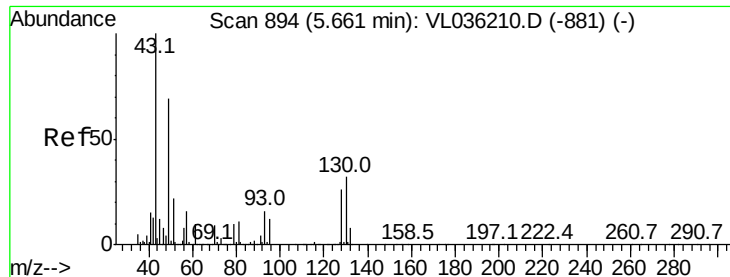
Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

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Quant Time: Jan 15 08:29:33 2021
Quant Method : Z:\V0ASRV\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

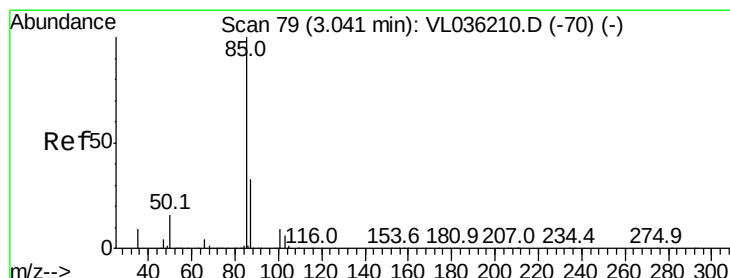
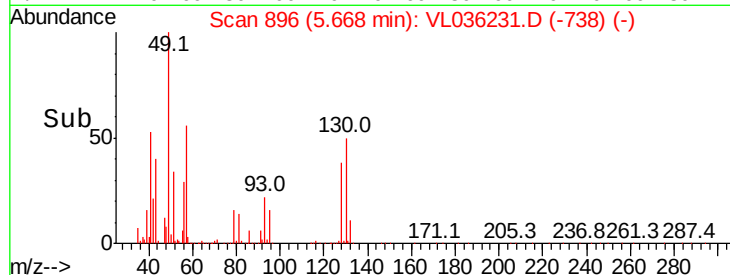
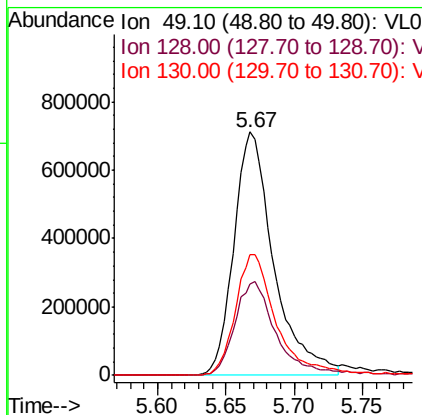
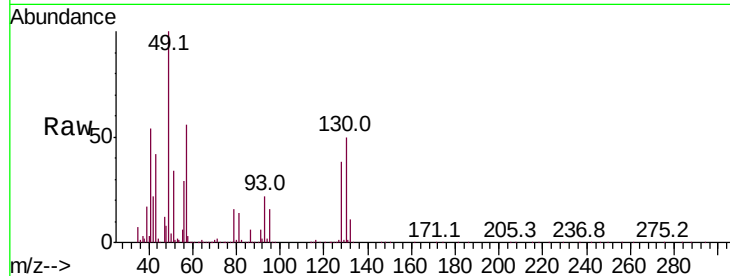
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VL036231.D
 Acq: 13 Jan 2021 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS1

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.1	20.1	60.2
130	51.9	25.3	75.9

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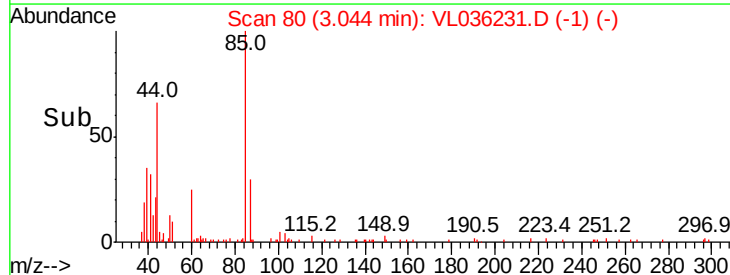
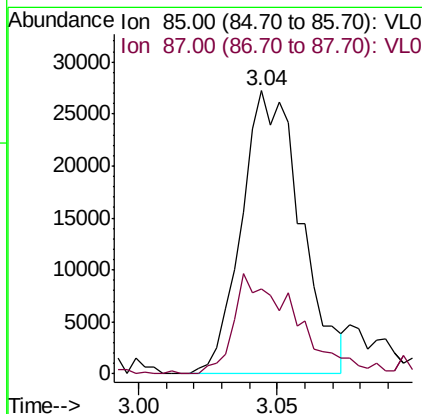
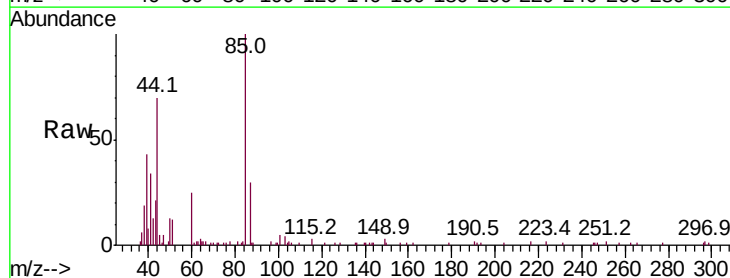
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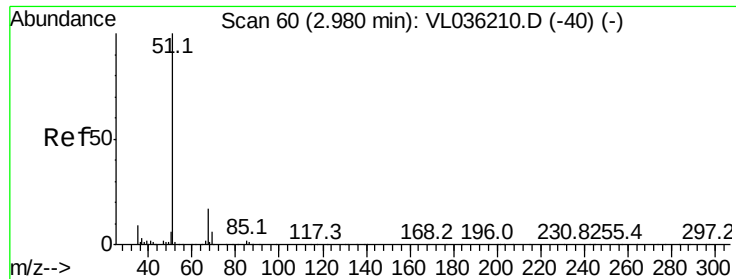


#2

Dichlorodifluoromethane
 Concen: 0.211 ppbv m
 RT: 3.04 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VL036231.D
 Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.9	26.4	39.6





#3

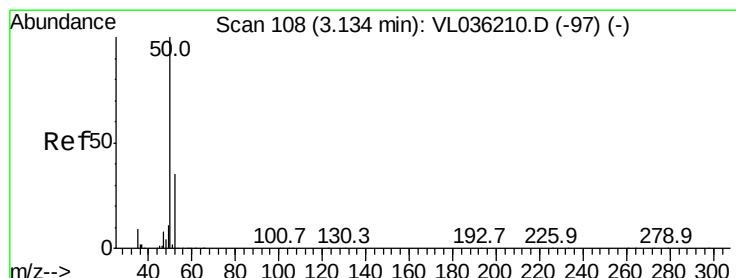
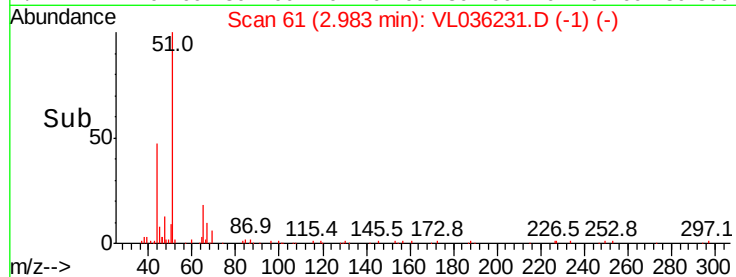
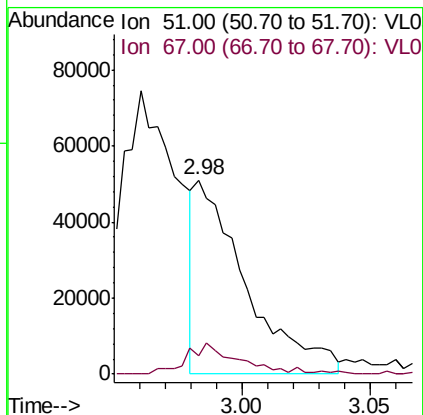
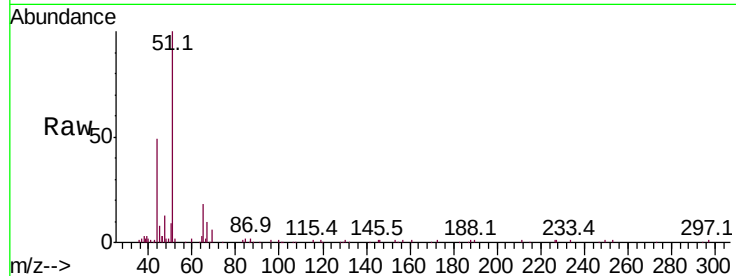
Chlorodifluoromethane
Concen: 0.397 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.3	14.0	21.0

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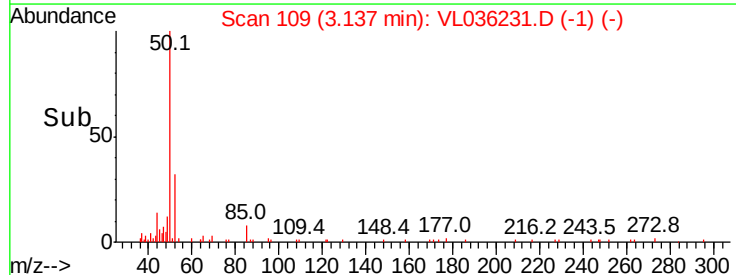
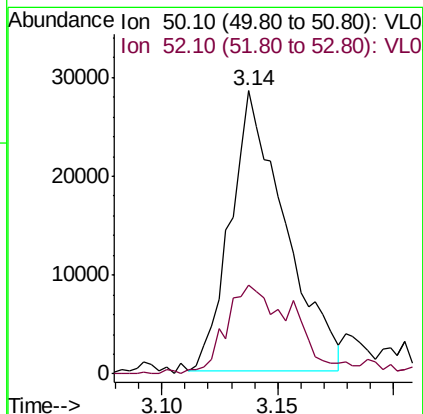
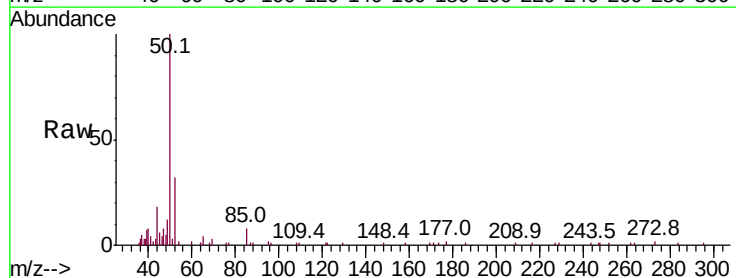
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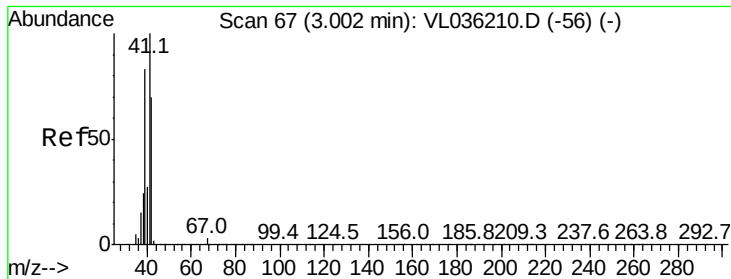


#4

Chloromethane
Concen: 0.533 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.5	27.8	41.8





#9

Propene

Concen: 1.010 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

0121-SS1

Tot Ion: 41 Resp: 85218

Ion Ratio Lower Upper

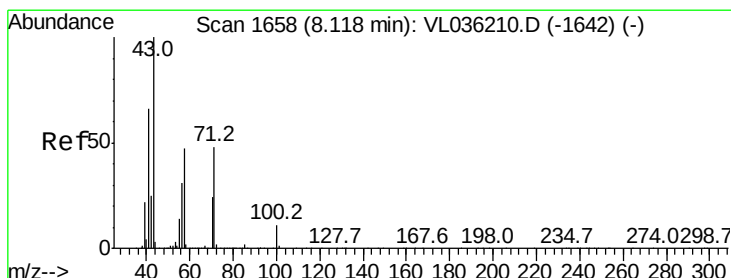
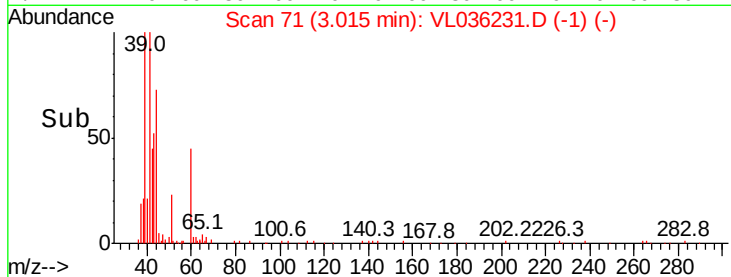
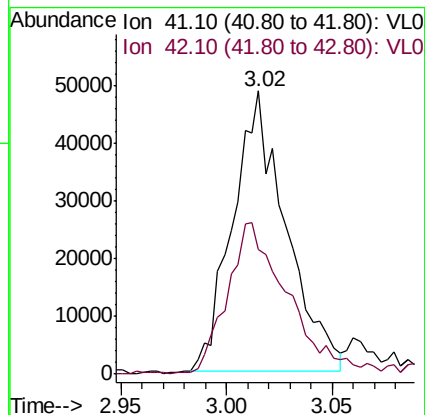
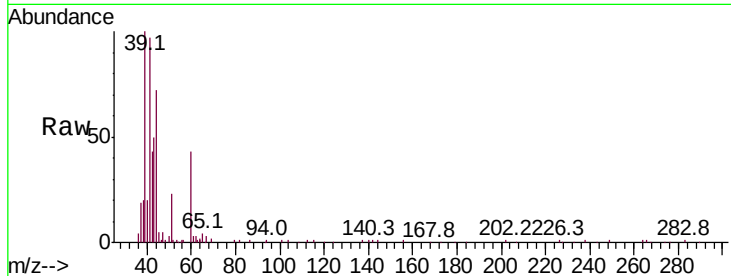
41 100

42 65.1 57.1 85.7

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#10

Heptane

Concen: 0.126 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL036231.D

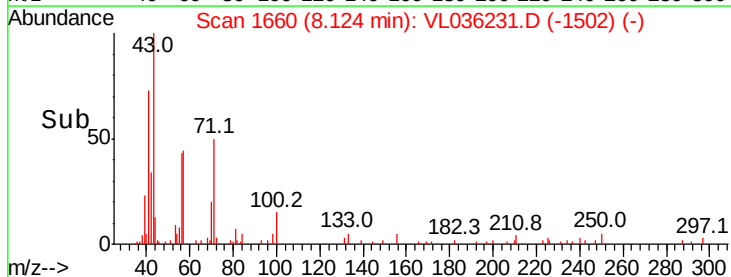
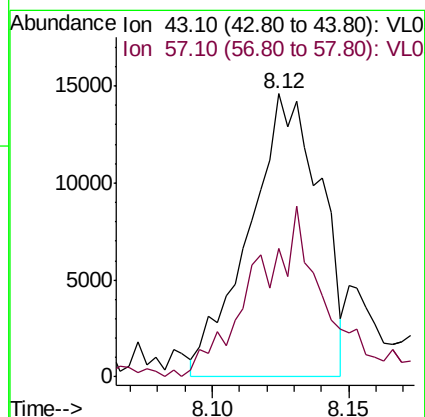
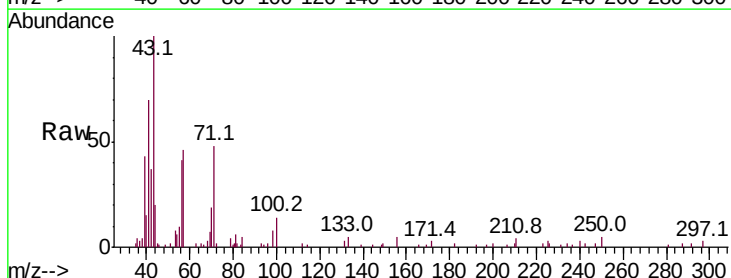
Acq: 13 Jan 2021 18:53

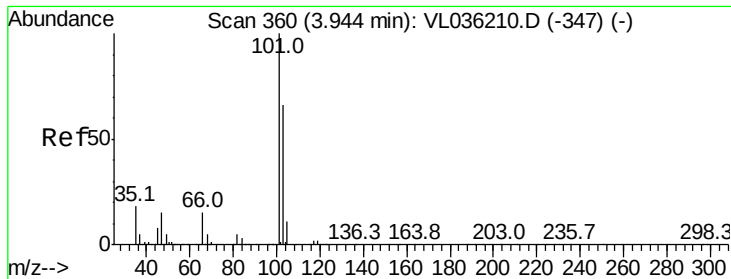
Tgt Ion: 43 Resp: 26475

Ion Ratio Lower Upper

43 100

57 61.7 38.1 57.1#





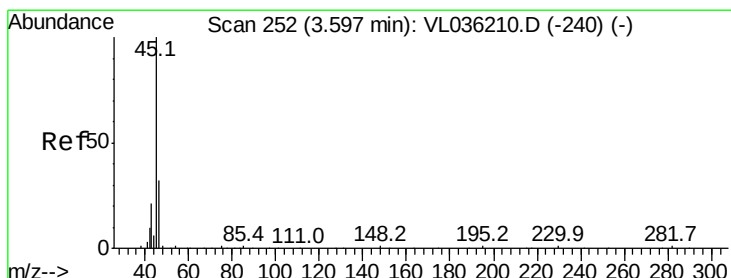
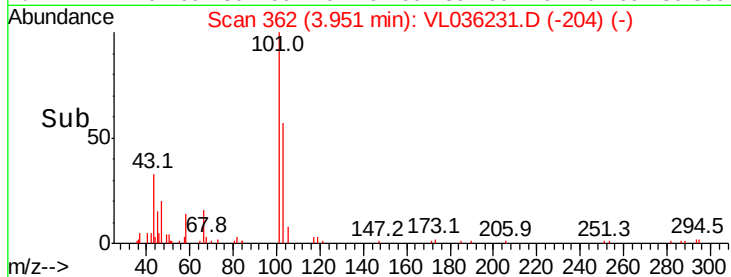
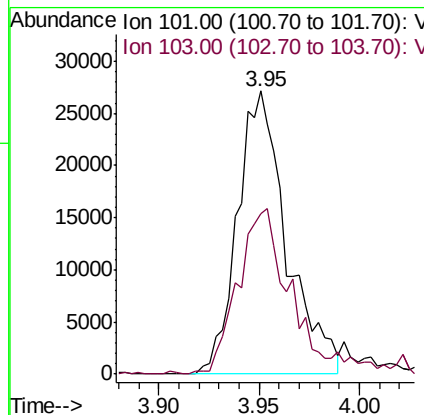
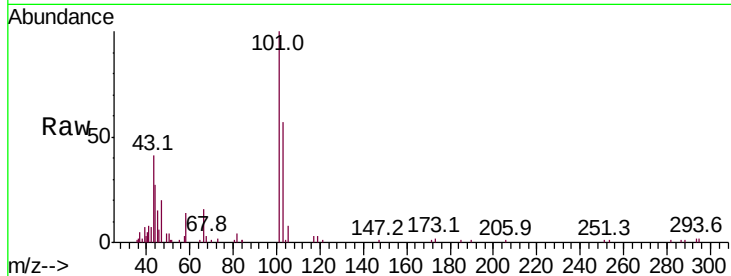
#11
Trichlorofluoromethane
Concen: 0.236 ppbv m
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.7	52.6	78.8

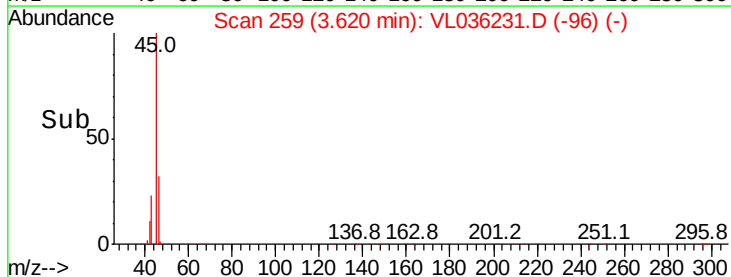
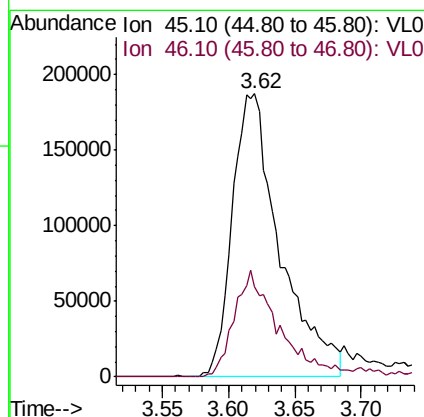
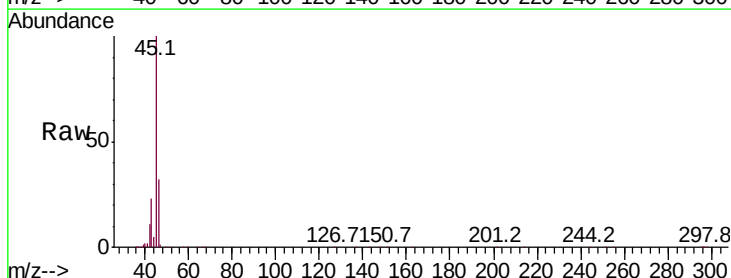
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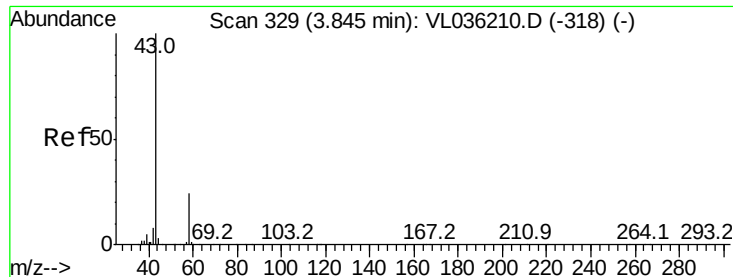
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#13
Ethanol
Concen: 35.359 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.7	19.2	77.0





#15

Acetone

Concen: 6.869 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

0121-SS1

Tot Ion: 43 Resp: 1213428

Ion Ratio Lower Upper

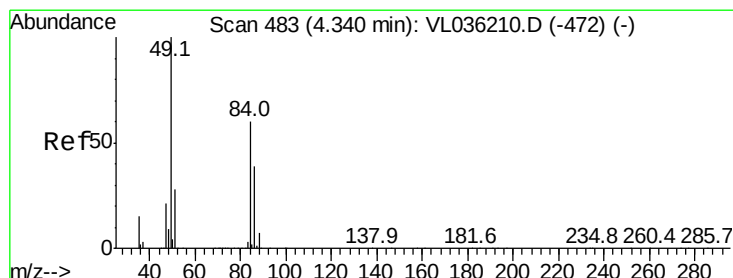
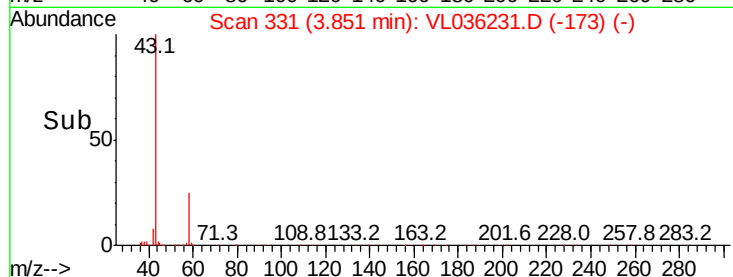
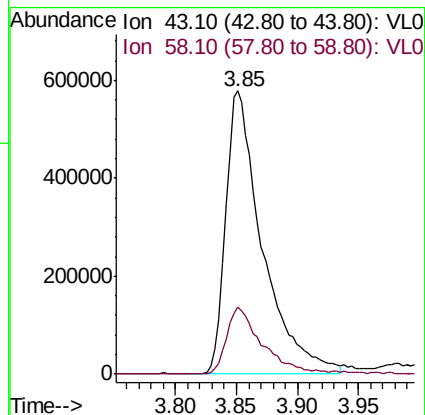
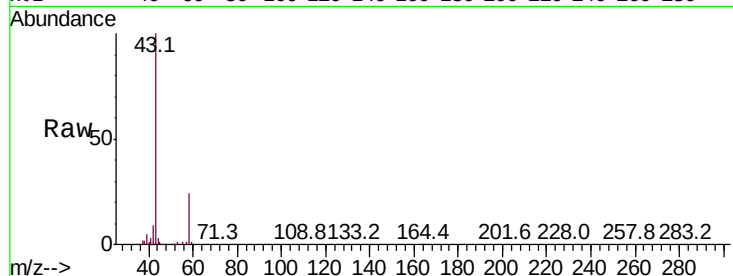
43 100

58 23.6 20.9 31.3

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#20

Methylene Chloride

Concen: 71.767 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

Tgt Ion: 84 Resp: 4046478

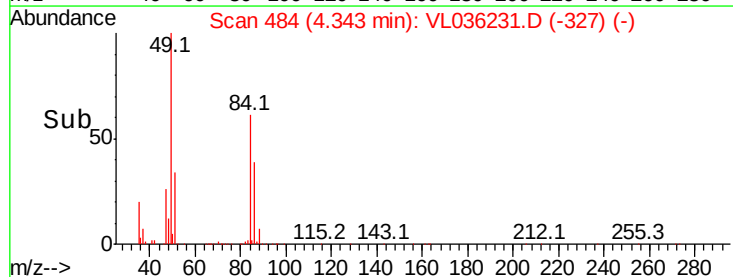
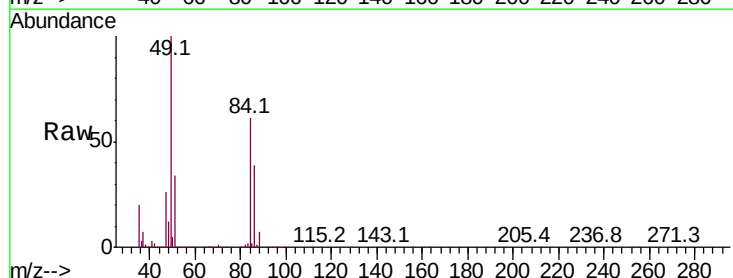
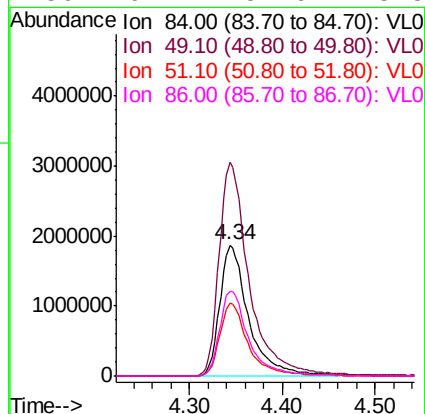
Ion Ratio Lower Upper

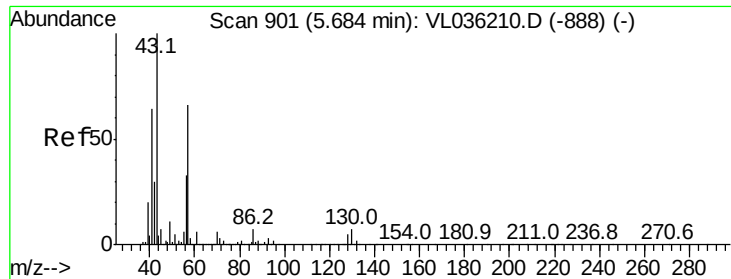
84 100

49 163.6 134.1 201.1

51 55.5 37.4 56.0

86 64.4 52.6 78.8





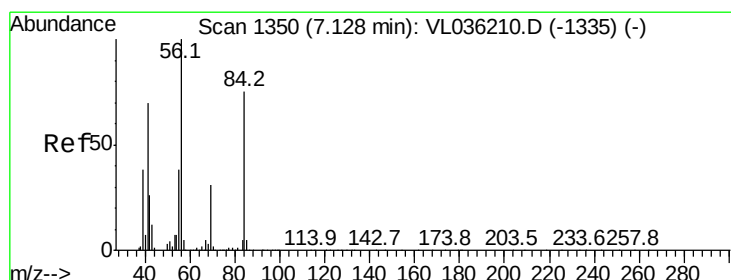
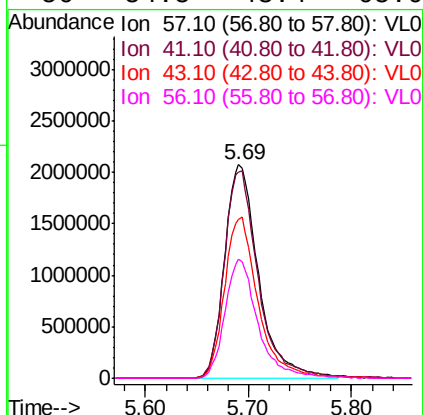
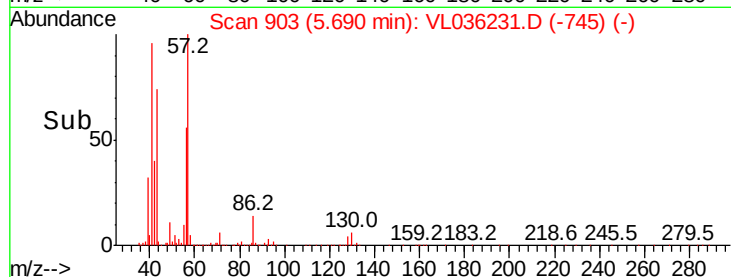
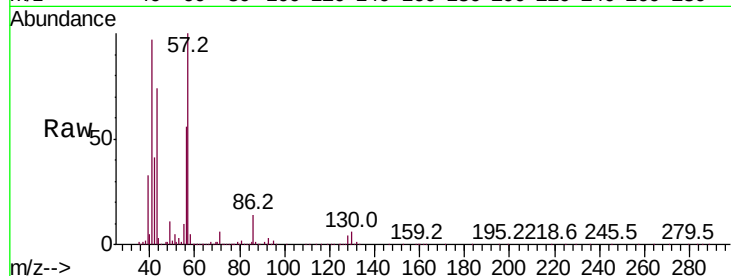
#26
Hexane
Concen: 32.216 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

Tot Ion: 57 Resp: 4757247
Ion Ratio Lower Upper
57 100
41 97.8 83.0 124.6
43 75.1 202.4 303.6#
56 54.5 43.4 65.0

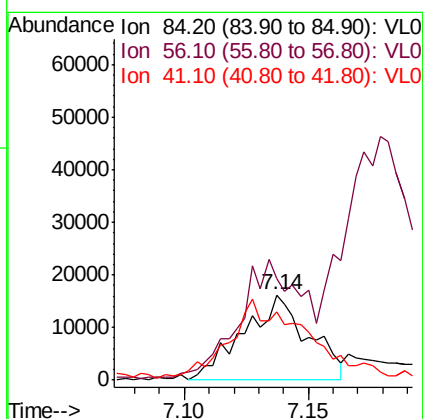
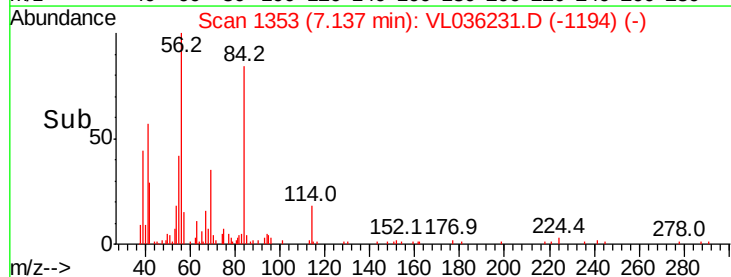
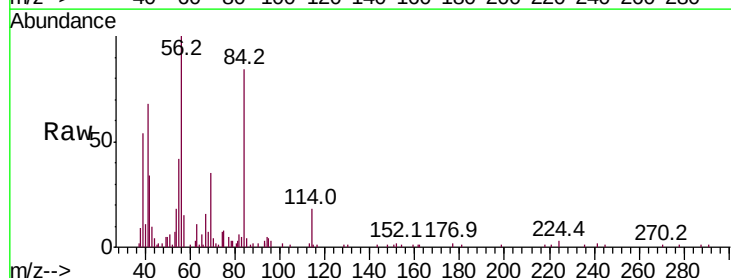
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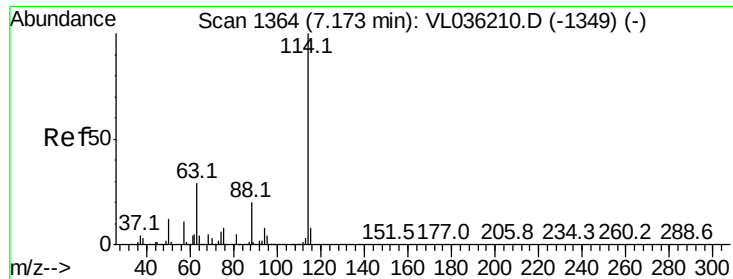
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#30
Cyclohexane
Concen: 0.262 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion: 84 Resp: 29520
Ion Ratio Lower Upper
84 100
56 0.0 119.4 179.0#
41 0.0 79.4 119.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

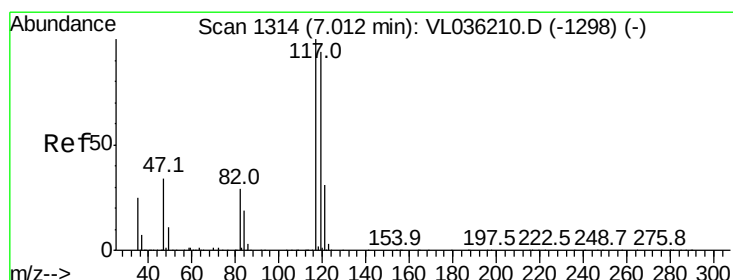
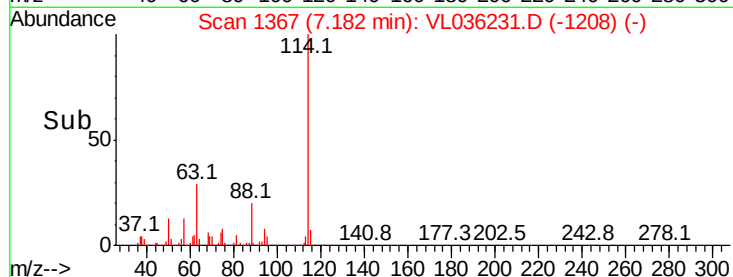
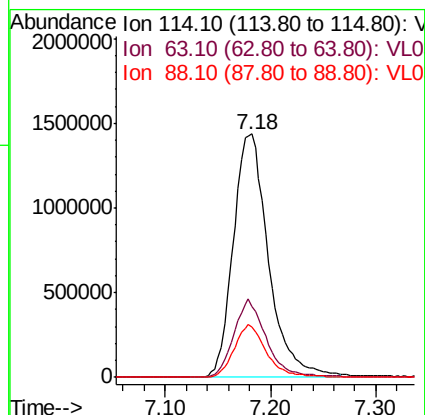
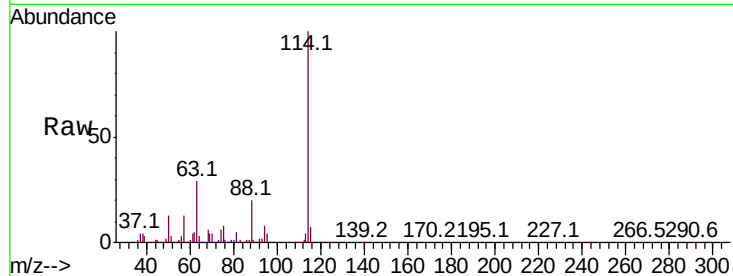
Instrument :
MSVOA_L

ClientSampleId :
0121-SS1

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.7	37.1
88	20.1	16.6	24.8

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#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

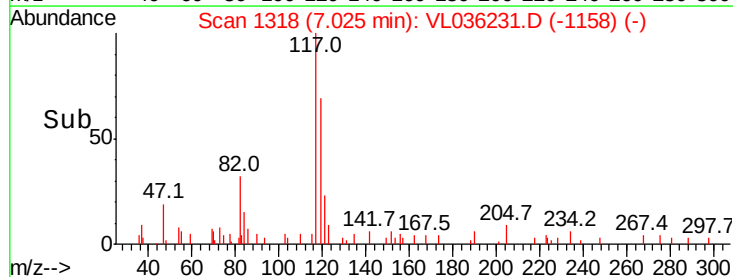
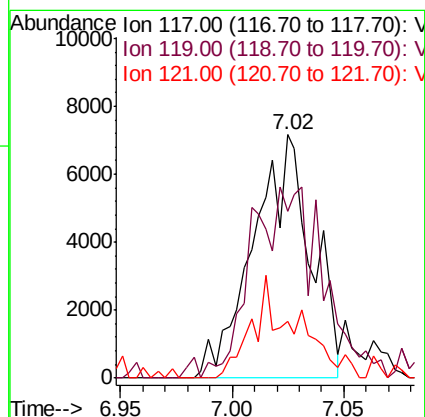
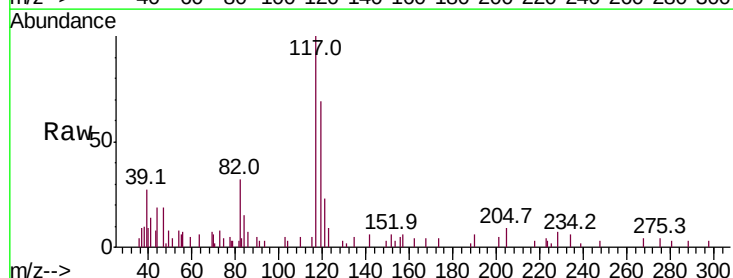
RT: 7.02 min Scan# 1318

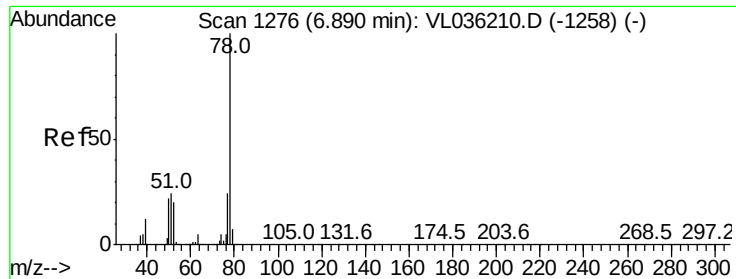
Delta R.T. 0.01 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.6	74.9	112.3#
121	23.2	25.0	37.6#





#36

Benzene

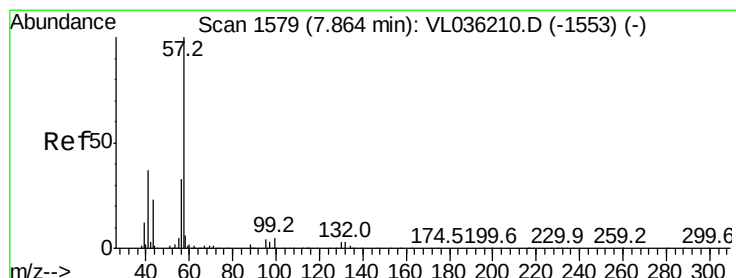
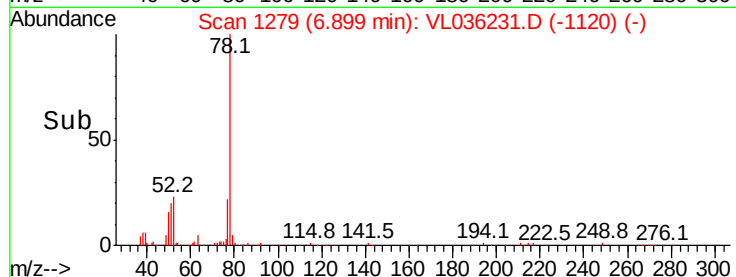
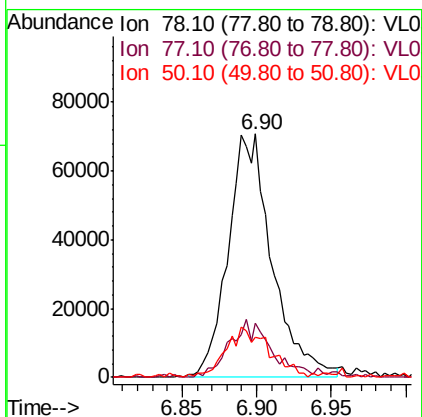
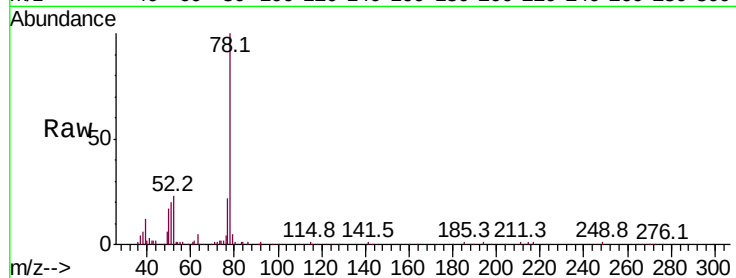
Concen: 0.477 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.4	29.0
50	16.7	17.4	26.2

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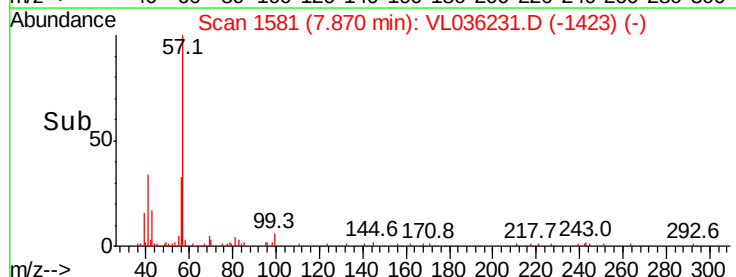
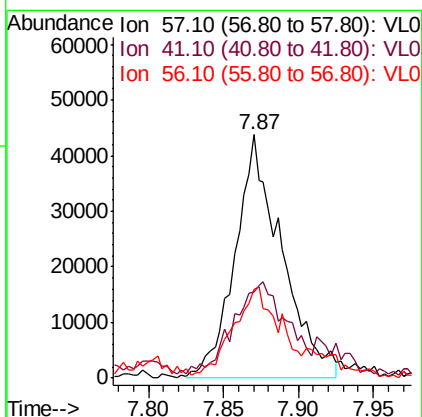
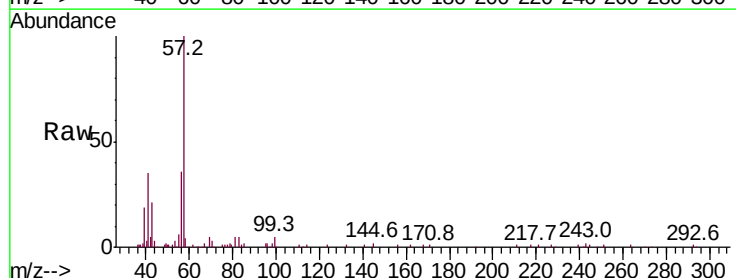


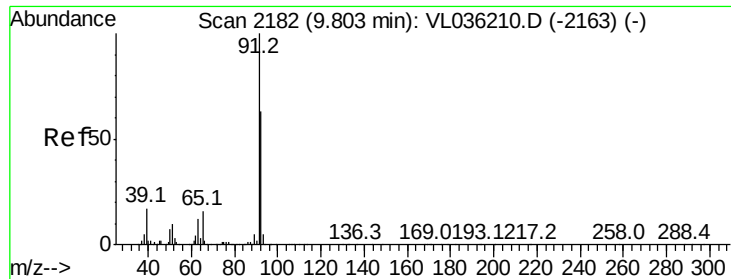
#44

2,2,4-Trimethylpentane

Concen: 0.169 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	55.6	28.5	42.7
56	46.9	25.5	38.3





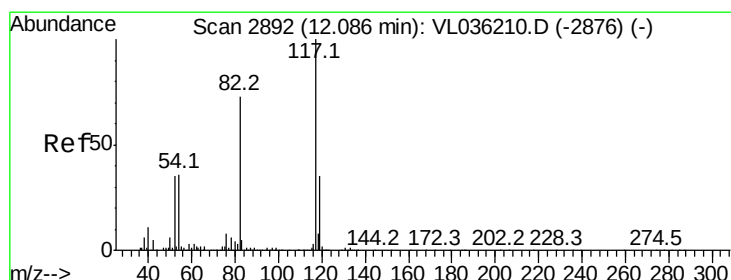
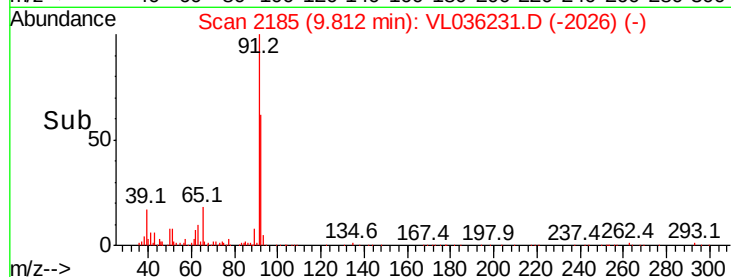
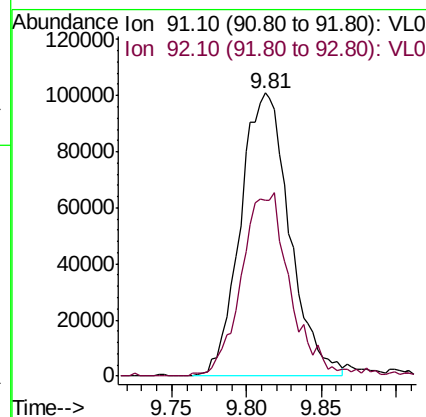
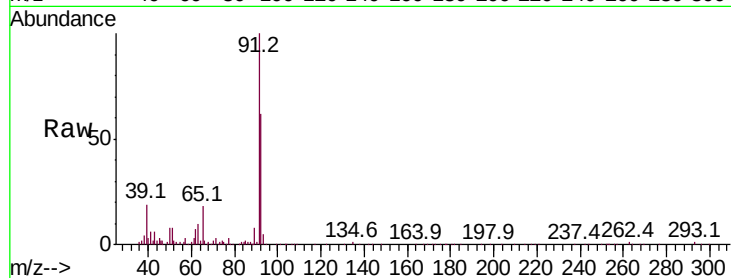
#53
Toluene
Concen: 0.678 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampled :
0121-SS1

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.4	48.5	72.7

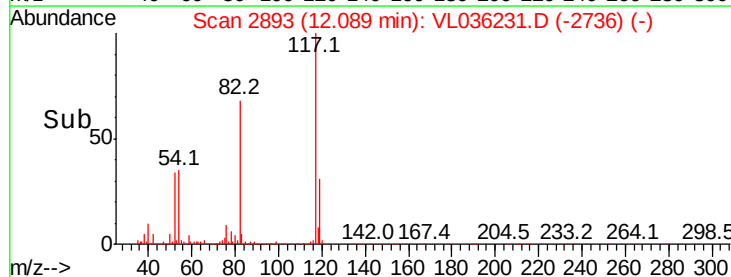
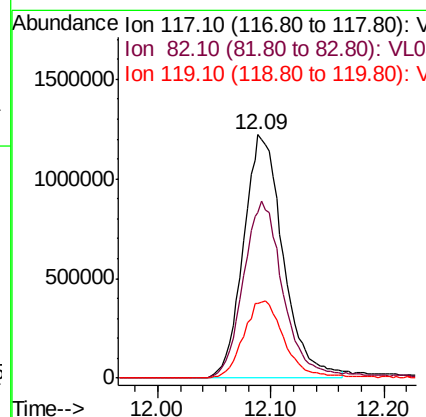
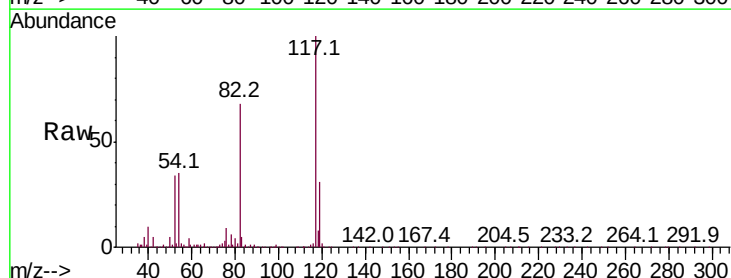
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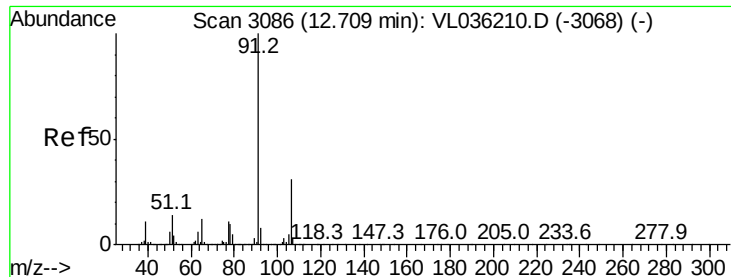
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	74.9	59.7	89.5
119	33.0	28.6	43.0





#58

Ethyl Benzene

Concen: 0.106 ppbv m

RT: 12.71 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL036231.D

Acq: 13 Jan 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

0121-SS1

Tot Ion: 91 Resp: 47007

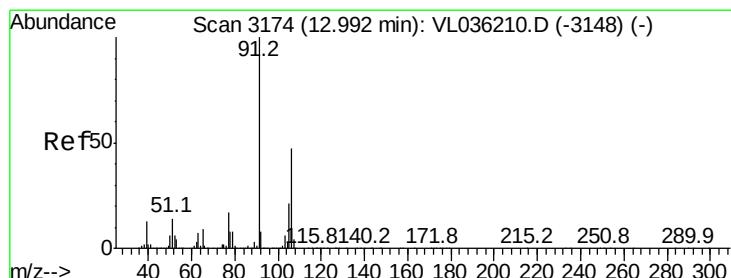
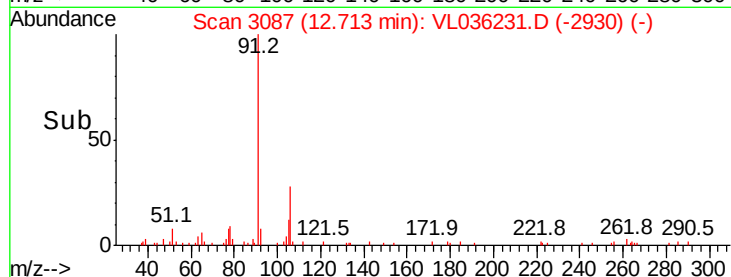
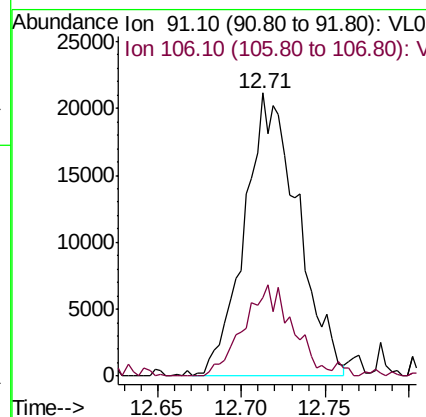
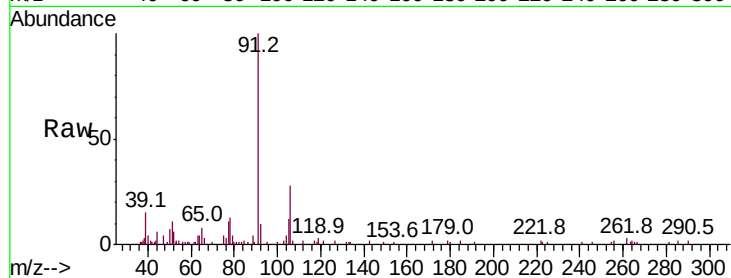
Ion Ratio Lower Upper

91 100

106 27.8 24.8 37.2

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#59

m/p-Xylene

Concen: 0.324 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.02 min

Lab File: VL036231.D

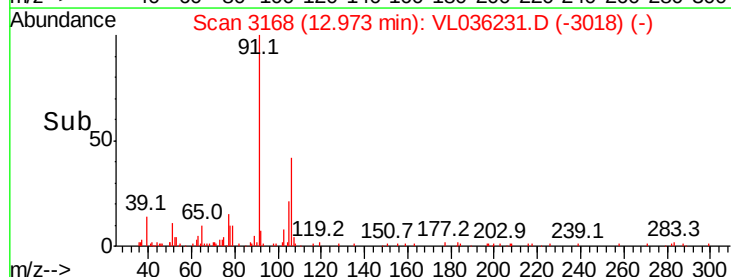
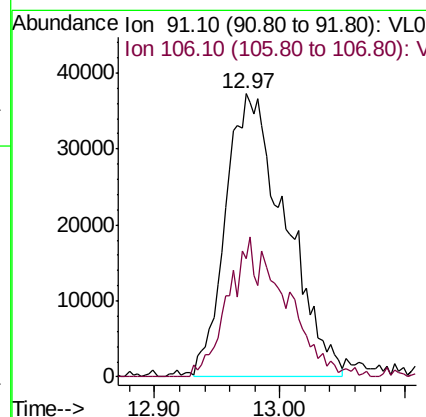
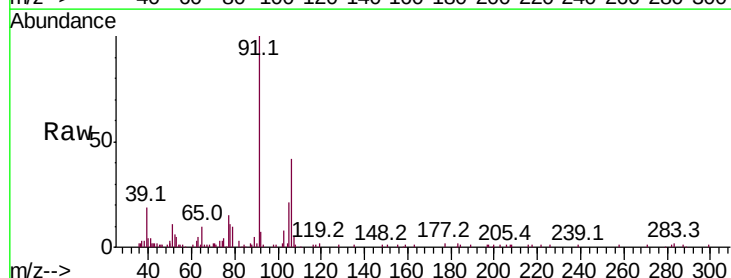
Acq: 13 Jan 2021 18:53

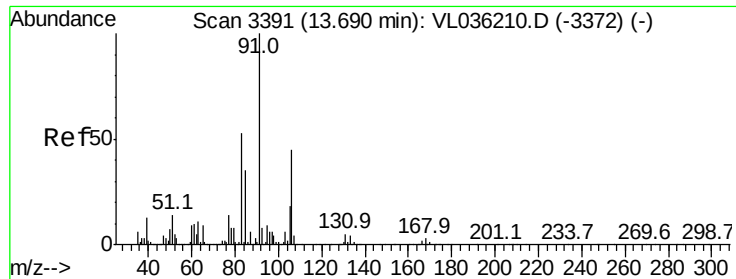
Tgt Ion: 91 Resp: 123367

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#





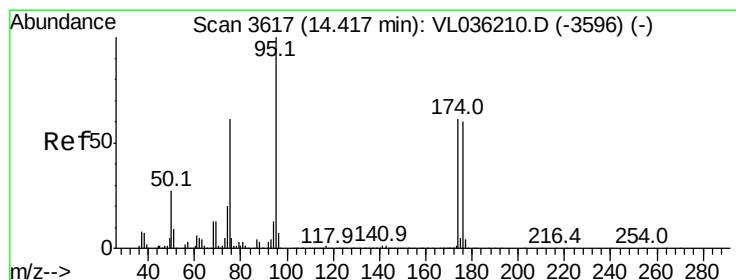
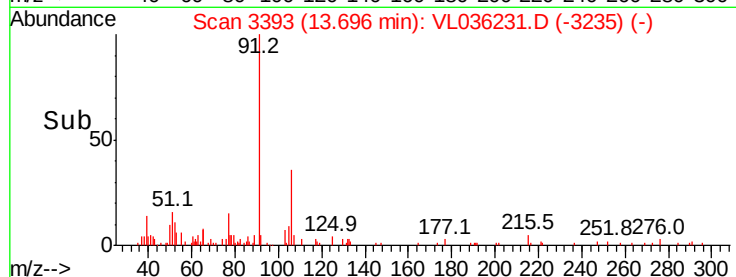
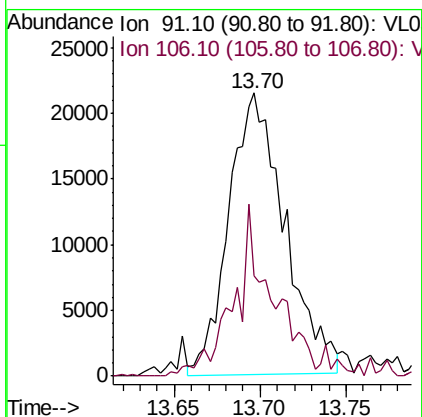
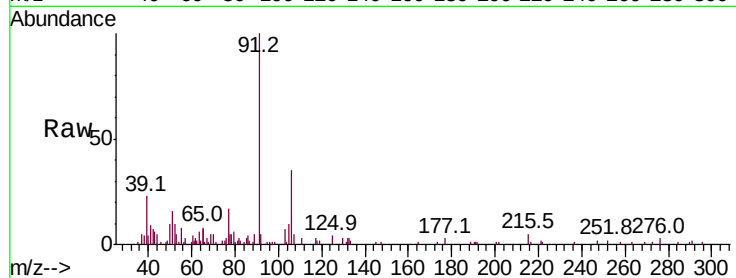
#60
o-Xylene
Concen: 0.132 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.8

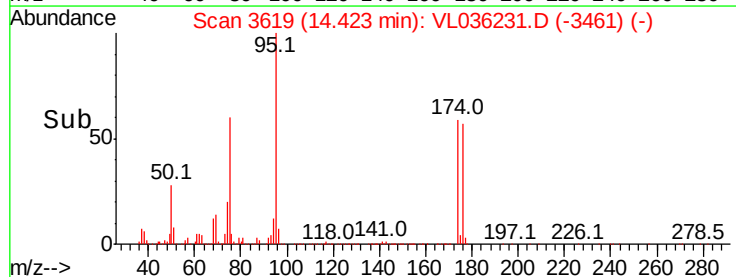
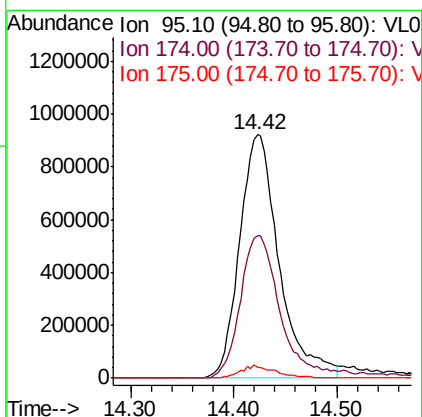
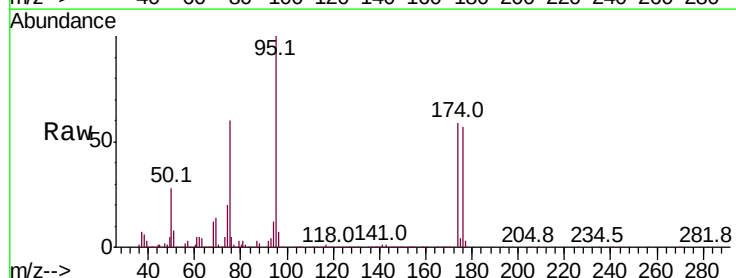
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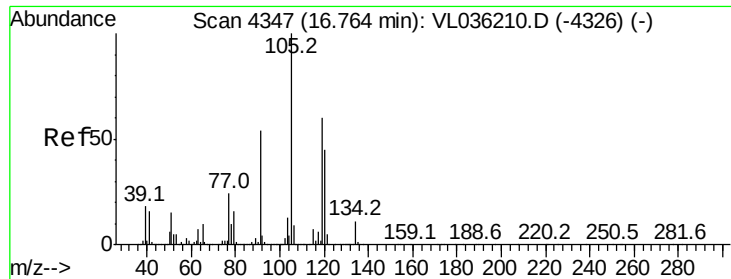
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.961 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL036231.D
Acq: 13 Jan 2021 18:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.4	49.4	74.0
175	4.7	3.8	5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.189 ppbv m

RT: 16.78 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL036231.D

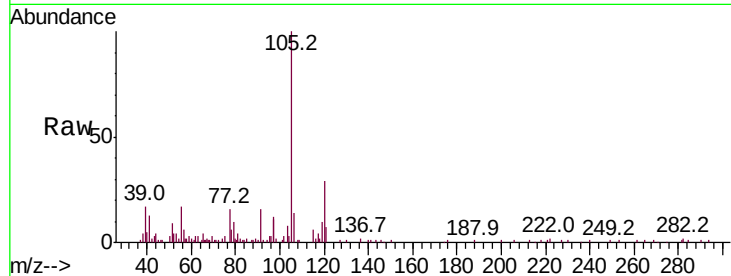
Acq: 13 Jan 2021 18:53

Instrument :

MSVOA_L

ClientSampleId :

0121-SS1



Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	29.2	36.2	54.2#
91	16.1	43.3	64.9#
77	16.4	19.1	28.7#

Manual Integrations
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