

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037472.D
 Acq On : 16 Aug 2021 22:01
 Operator : SY/AP
 Sample : L1314-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Quant Time: Aug 17 08:22:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1281837	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3959600	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3504234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2816676	11.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.10%

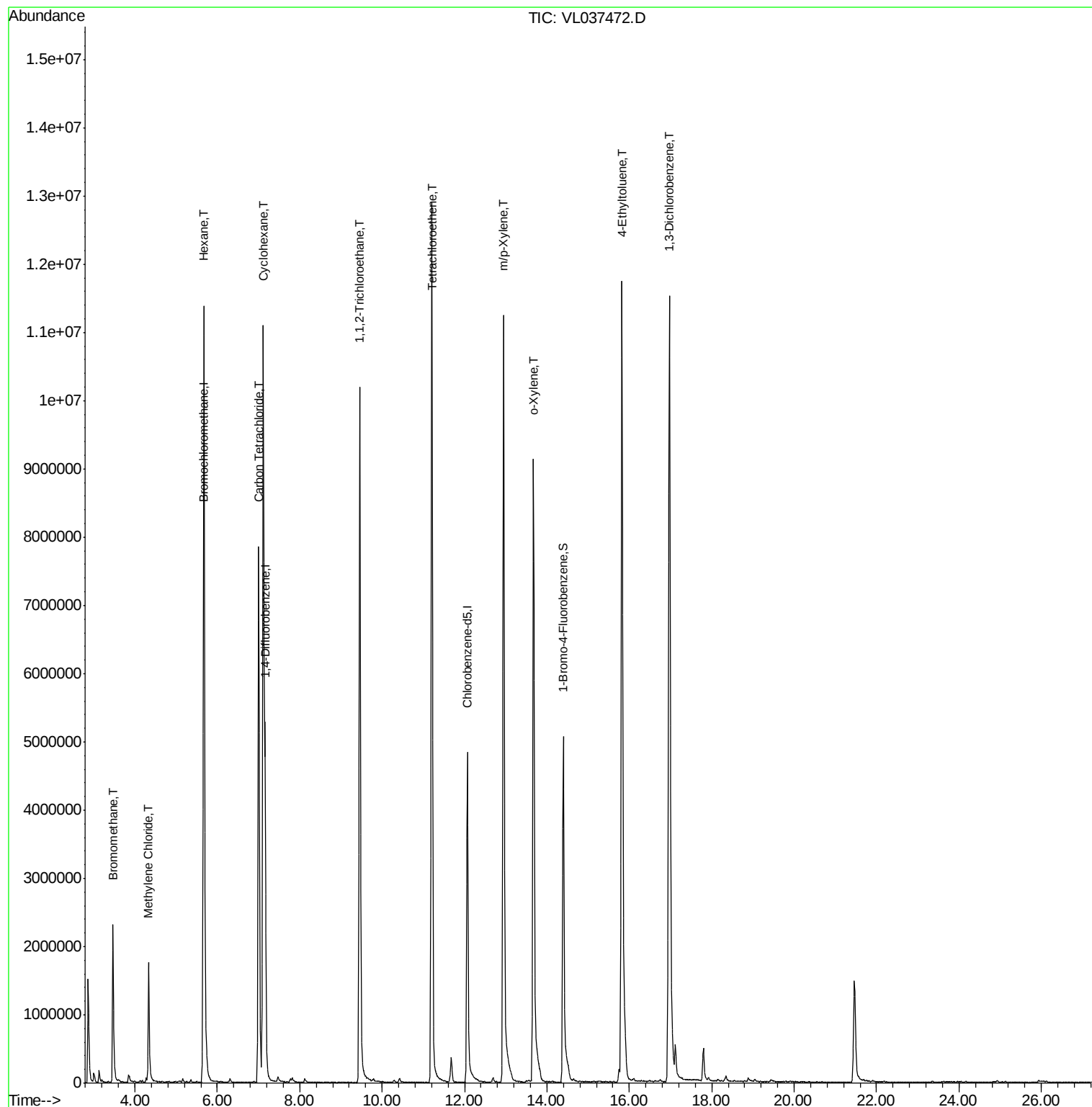
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	1583530	32.169	ppbv	97
20) Methylene Chloride	4.33	84	748036	11.453	ppbv	98
26) Hexane	5.67	57	5209867	32.175	ppbv #	45
30) Cyclohexane	7.11	84	4443971	32.939	ppbv	97
35) Carbon Tetrachloride	7.01	117	5585916	23.871	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	4234774	30.641	ppbv	98
52) Tetrachloroethene	11.21	164	3833307	28.103	ppbv	99
59) m/p-Xylene	12.95	91	9625277	22.831	ppbv	91
60) o-Xylene	13.67	91	8438379	21.445	ppbv	98
72) 4-Ethyltoluene	15.82	105	12575632	26.870	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	5503547	19.750	ppbv	98

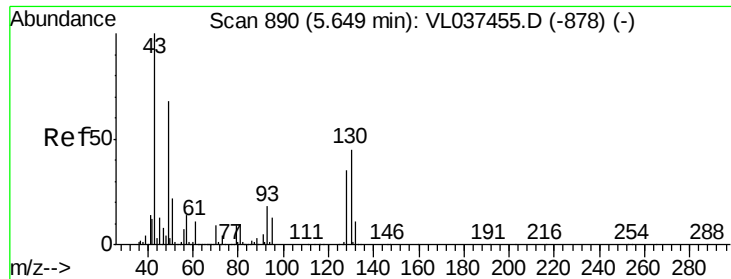
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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E051-1100

Quant Time: Aug 17 08:22:14 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037472.D

Acq: 16 Aug 2021 22:01

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

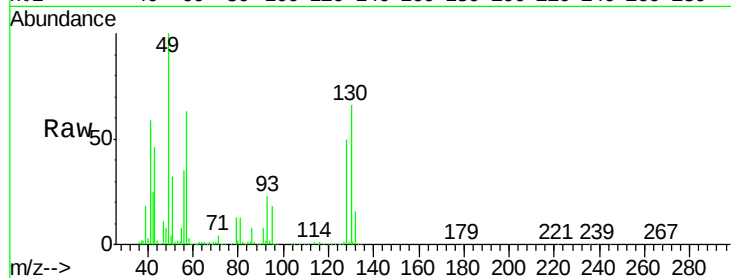
Tot Ion: 49 Resp: 1281837

Ion	Ratio	Lower	Upper
49	100		
128	53.1	27.5	82.4
130	67.2	34.0	101.8

49 100

128 53.1 27.5 82.4

130 67.2 34.0 101.8



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

5.65

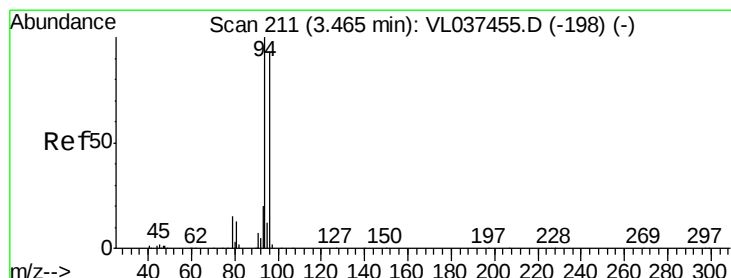
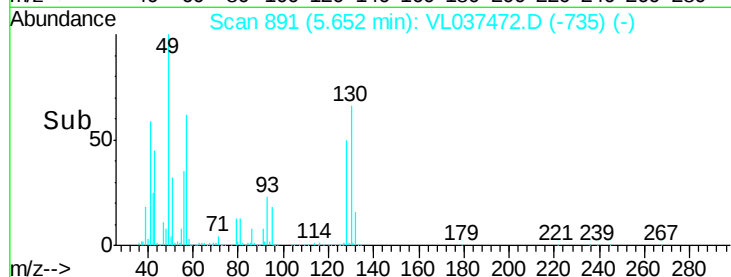
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#6

Bromomethane

Concen: 32.169 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037472.D

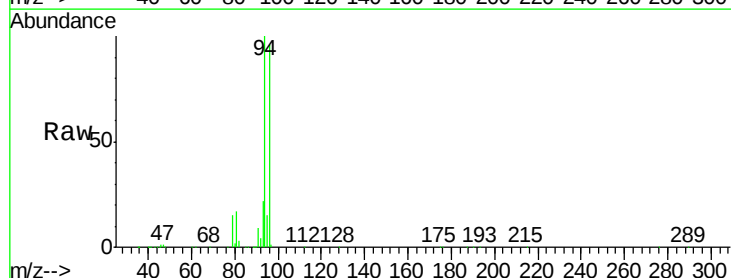
Acq: 16 Aug 2021 22:01

Tgt Ion: 94 Resp: 1583530

Ion	Ratio	Lower	Upper
94	100		
96	96.0	74.5	111.7

94 100

96 96.0 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

800000

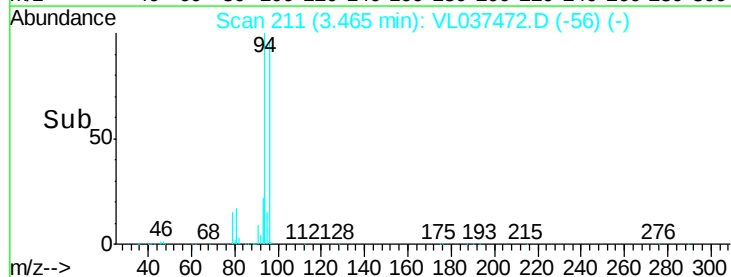
600000

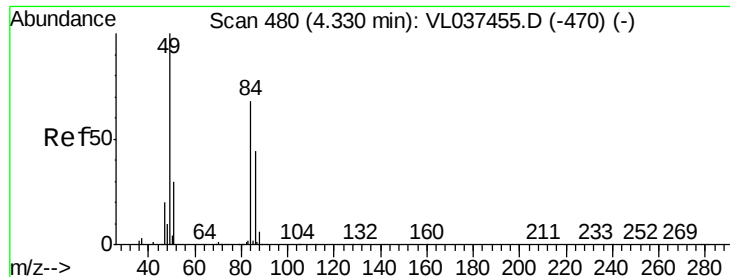
400000

200000

0

Time--> 3.40 3.45 3.50 3.55

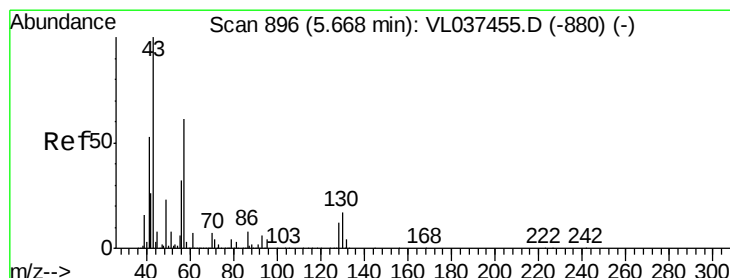
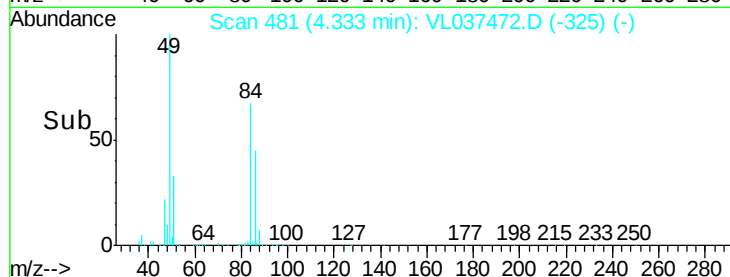
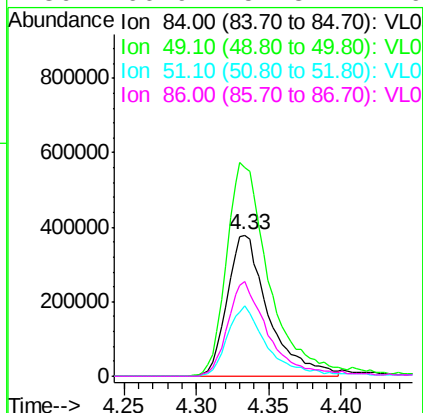
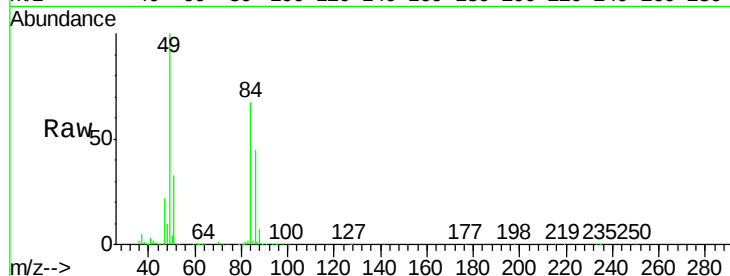




#20
Methylene Chloride
Concen: 11.453 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

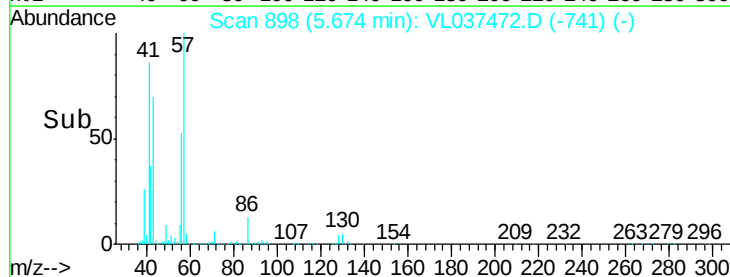
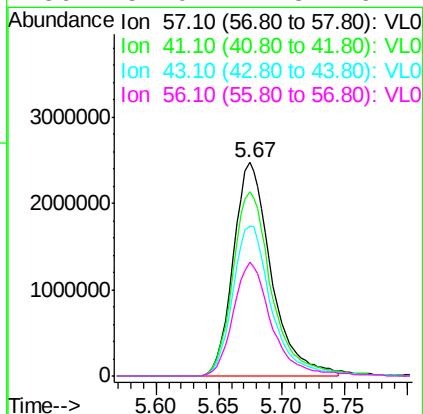
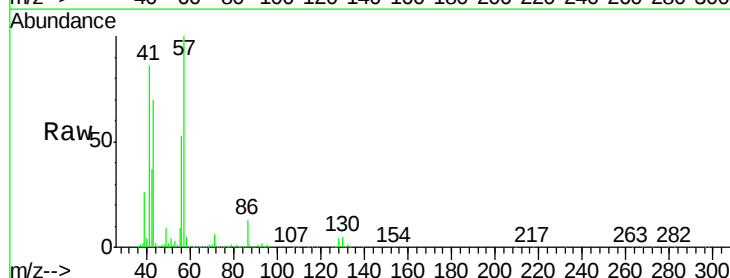
Instrument :
MSVOA_L
ClientSampleId :
E051-1100

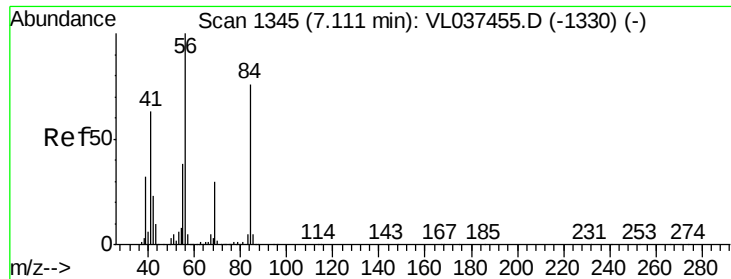
Tot Ion: 84 Resp: 748036
Ion Ratio Lower Upper
84 100
49 147.7 118.2 177.2
51 49.6 36.6 55.0
86 66.9 51.8 77.6



#26
Hexane
Concen: 32.175 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

Tgt Ion: 57 Resp: 5209867
Ion Ratio Lower Upper
57 100
41 89.3 72.3 108.5
43 72.0 172.3 258.5#
56 54.0 42.8 64.2

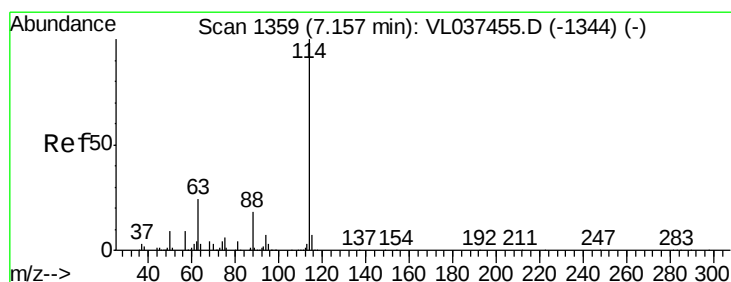
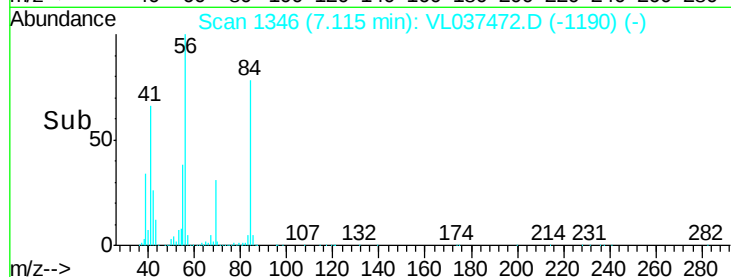
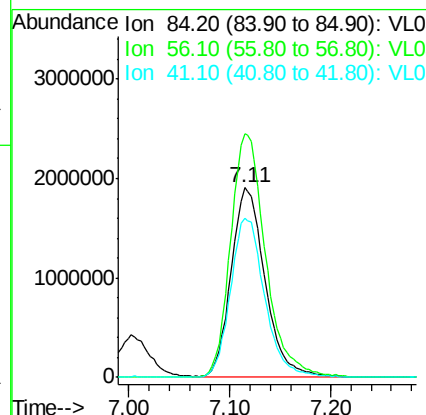
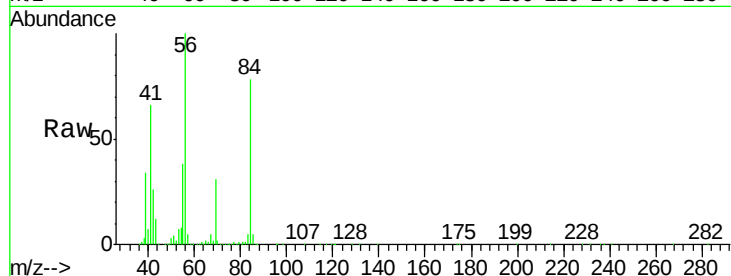




#30
Cvclohexane
Concen: 32.939 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

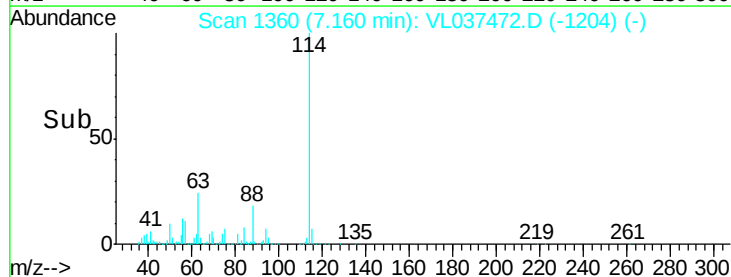
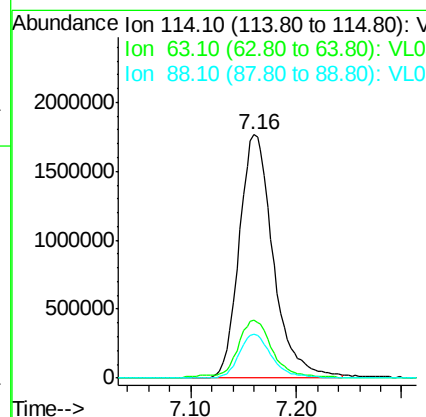
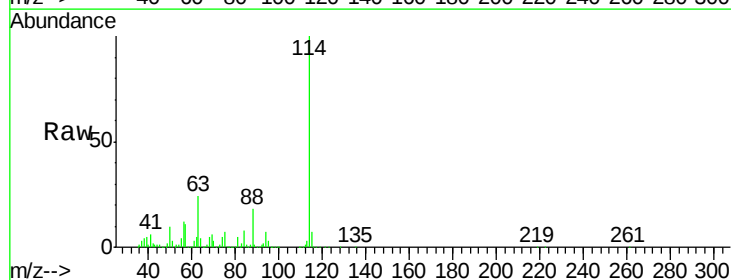
Instrument :
MSVOA_L
ClientSampleId :
E051-1100

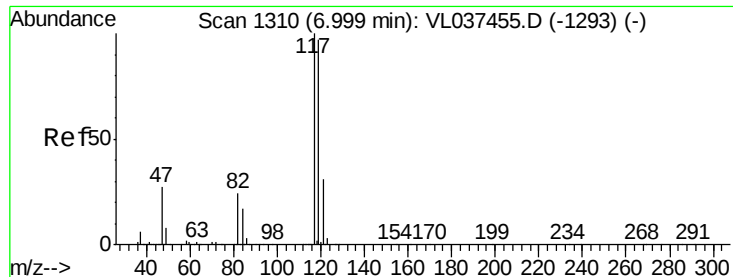
Tot Ion: 84 Resp: 4443971
Ion Ratio Lower Upper
84 100
56 133.8 110.6 165.8
41 85.6 67.0 100.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

Tgt Ion:114 Resp: 3959600
Ion Ratio Lower Upper
114 100
63 24.9 19.3 28.9
88 17.7 14.2 21.4





#35

Carbon Tetrachloride

Concen: 23.871 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037472.D

Acq: 16 Aug 2021 22:01

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

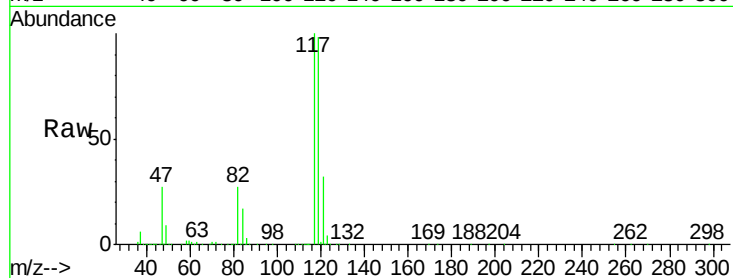
Tot Ion:117 Resp: 5585916

Ion Ratio Lower Upper

117 100

119 98.1 77.3 115.9

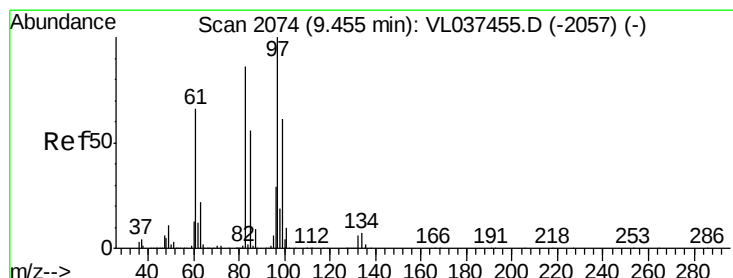
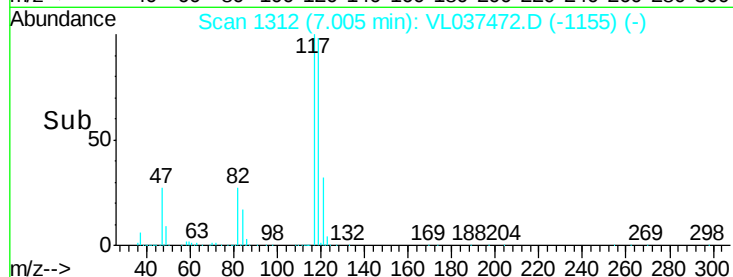
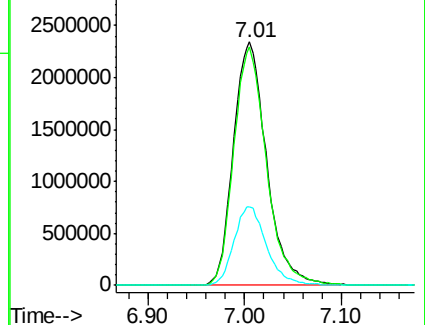
121 32.5 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#47

1,1,2-Trichloroethane

Concen: 30.641 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VL037472.D

Acq: 16 Aug 2021 22:01

Tgt Ion: 97 Resp: 4234774

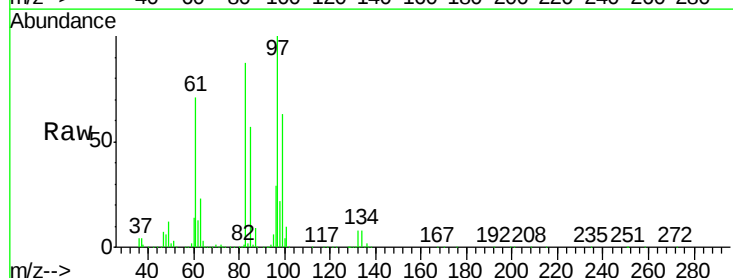
Ion Ratio Lower Upper

97 100

83 87.3 68.7 103.1

85 56.6 44.7 67.1

99 63.2 48.6 72.8

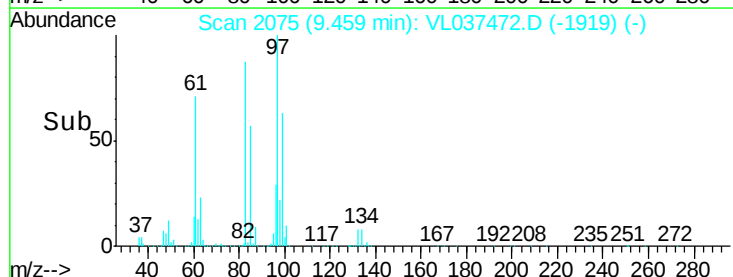
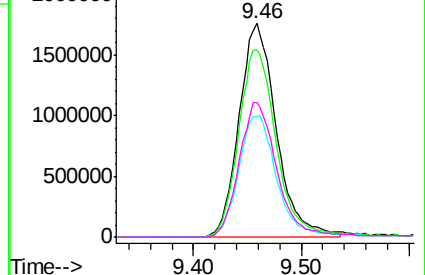


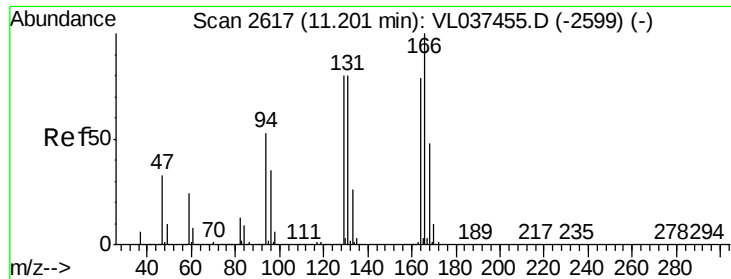
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#52

Tetrachloroethene

Concen: 28.103 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037472.D

Acq: 16 Aug 2021 22:01

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

Tot Ion:164 Resp: 3833307

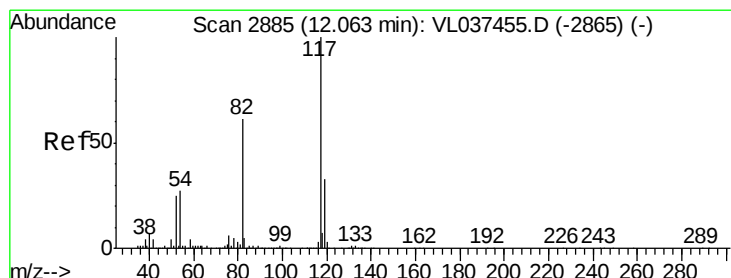
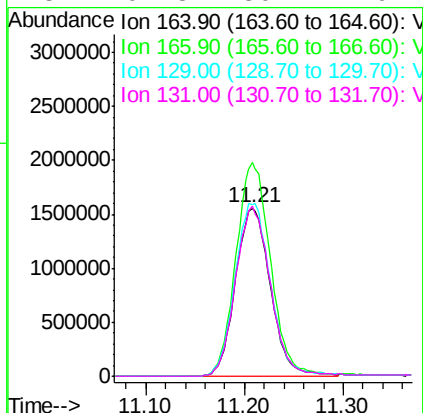
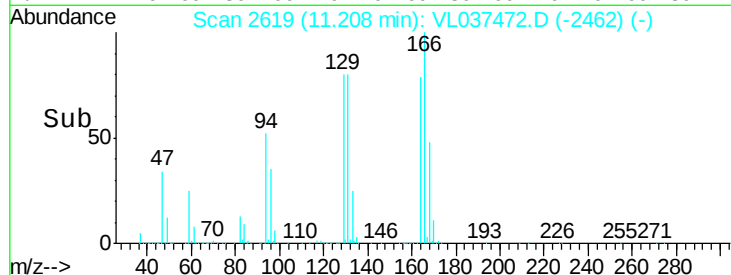
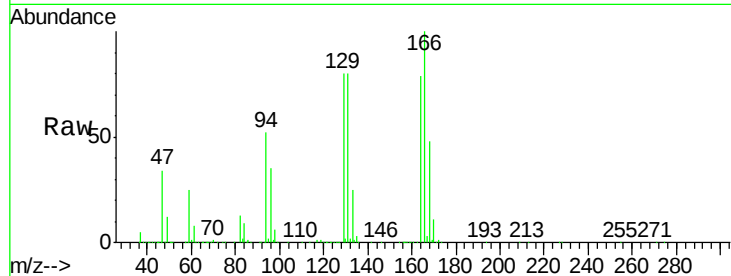
Ion Ratio Lower Upper

164 100

166 127.2 100.7 151.1

129 102.0 80.9 121.3

131 101.8 80.2 120.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037472.D

Acq: 16 Aug 2021 22:01

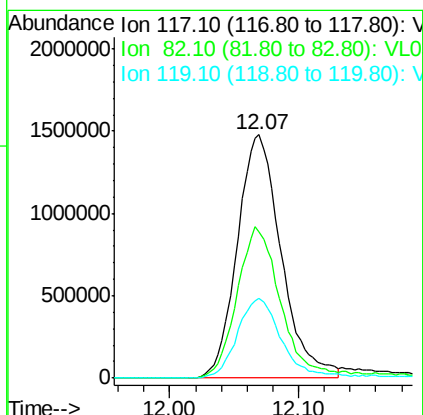
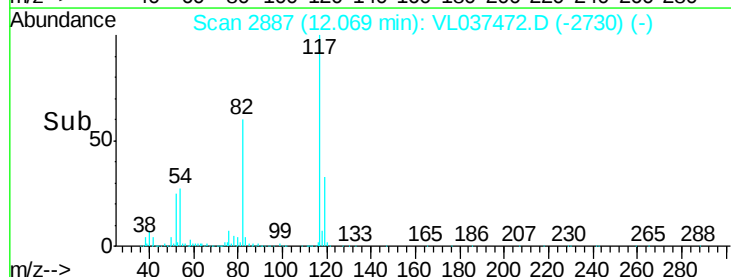
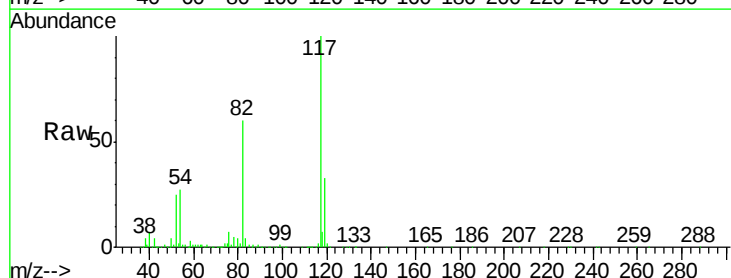
Tgt Ion:117 Resp: 3504234

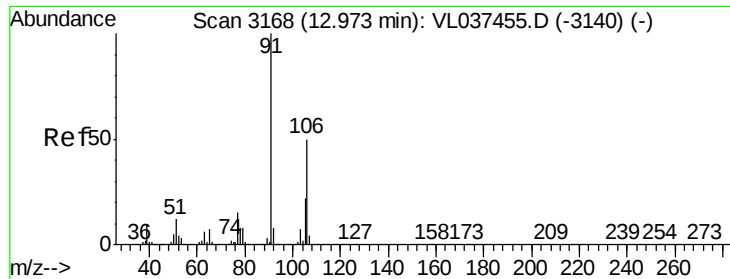
Ion Ratio Lower Upper

117 100

82 65.8 52.9 79.3

119 34.3 24.8 37.2

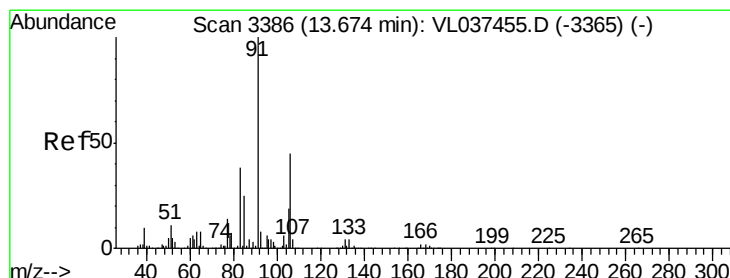
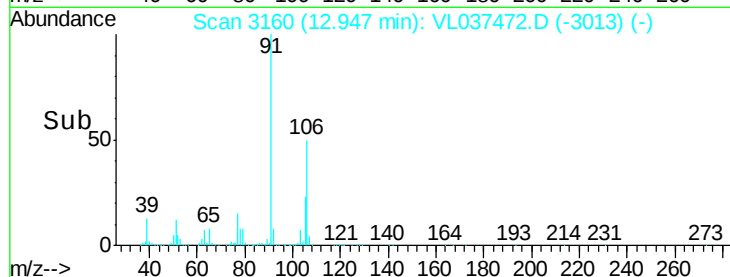
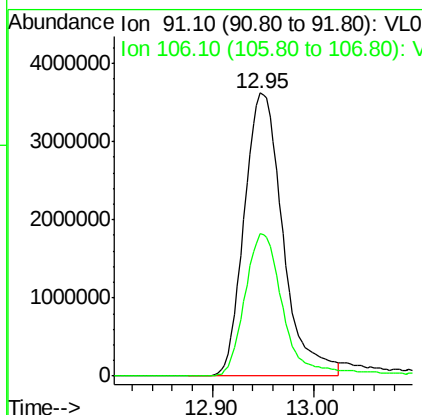
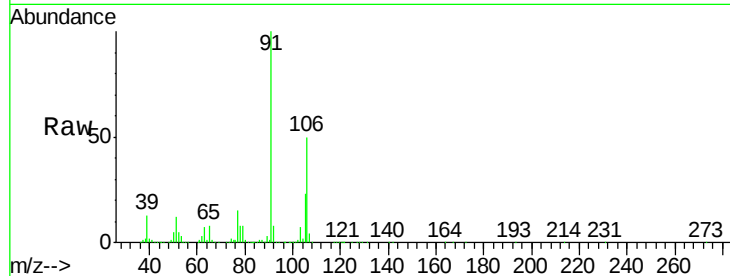




#59
m/p-Xylene
Concen: 22.831 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

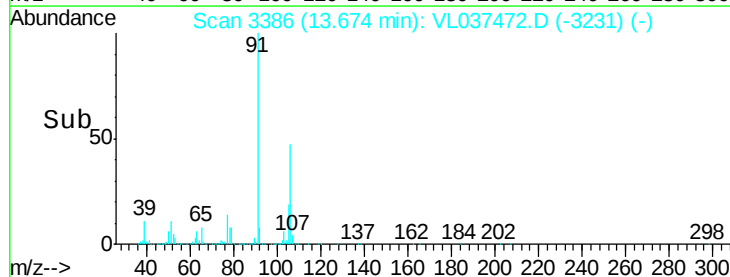
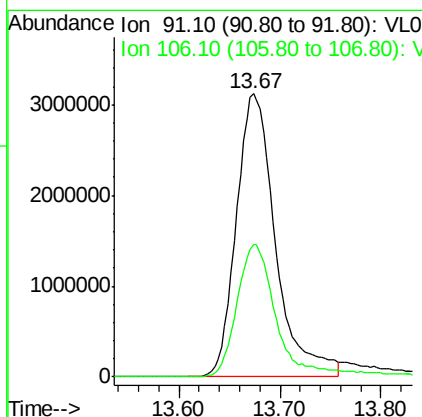
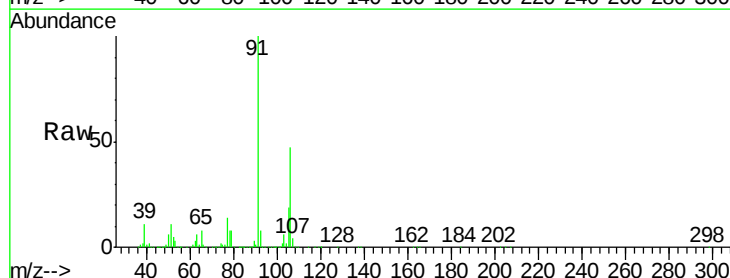
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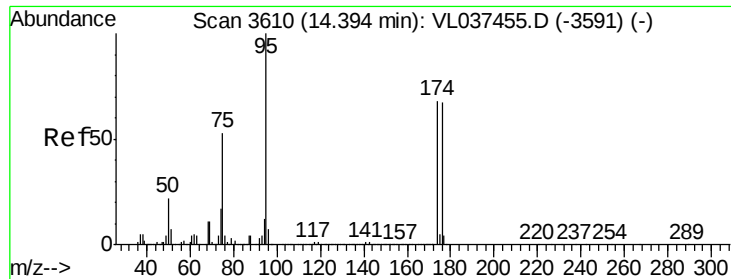
Tot Ion: 91 Resp: 9625277
Ion Ratio Lower Upper
91 100
106 52.0 36.9 55.3



#60
o-Xylene
Concen: 21.445 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL037472.D
Acq: 16 Aug 2021 22:01

Tgt Ion: 91 Resp: 8438379
Ion Ratio Lower Upper
91 100
106 48.5 23.7 71.1

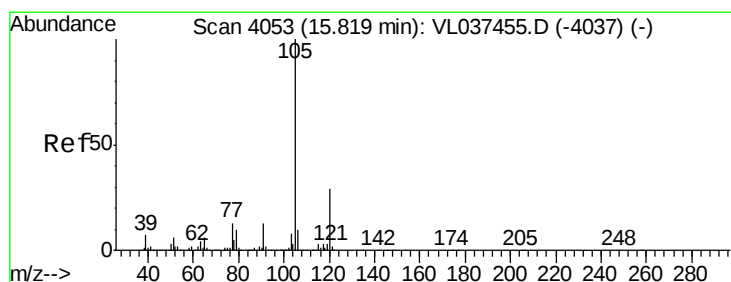
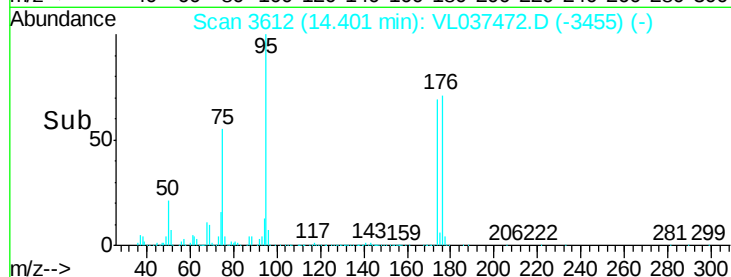
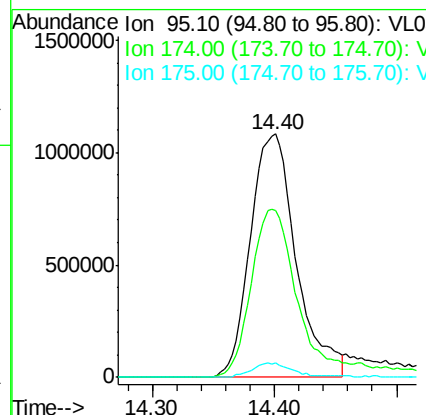
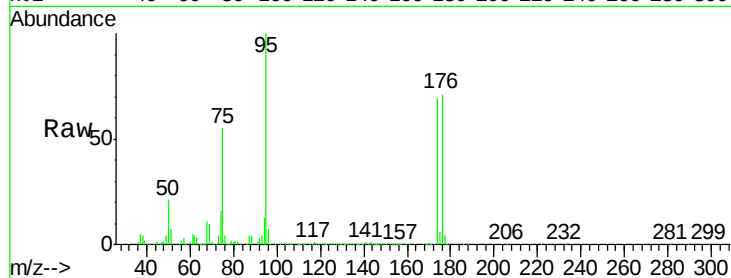




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.314 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL037472.D
 Acq: 16 Aug 2021 22:01

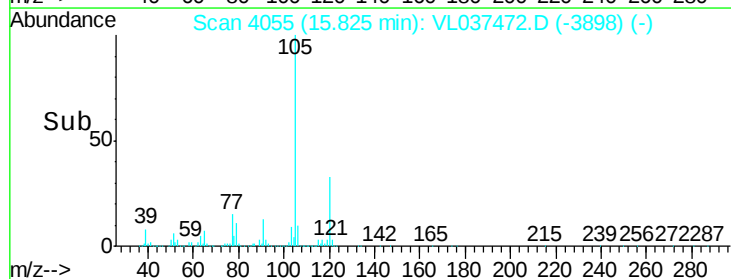
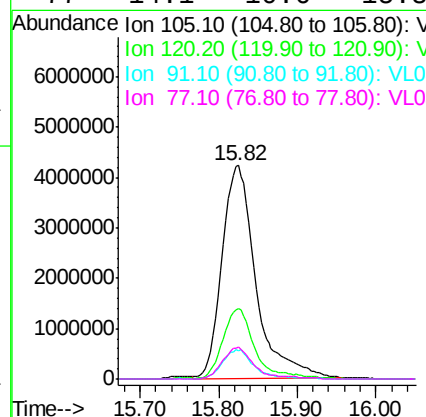
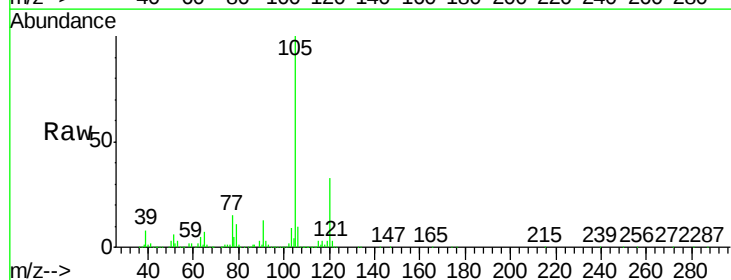
Instrument :
 MSVOA_L
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 E051-1100

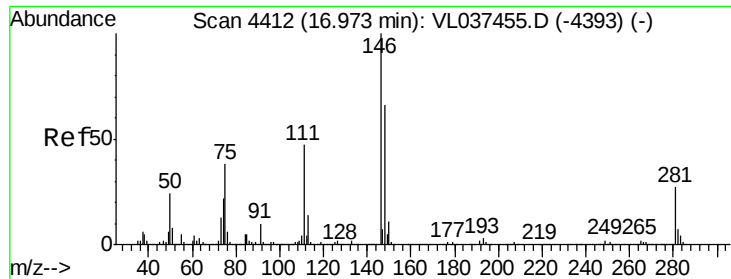
Tot Ion: 95 Resp: 2816676
 Ion Ratio Lower Upper
 95 100
 174 76.7 59.6 89.4
 175 5.9 4.6 7.0



#72
 4-Ethyltoluene
 Concen: 26.870 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL037472.D
 Acq: 16 Aug 2021 22:01

Tgt Ion: 105 Resp: 12575632
 Ion Ratio Lower Upper
 105 100
 120 32.0 24.7 37.1
 91 13.1 9.8 14.8
 77 14.1 10.6 15.8





#75
 1,3-Dichlorobenzene
 Concen: 19.750 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.01 min
 Lab File: VL037472.D
 Acq: 16 Aug 2021 22:01

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Tot Ion:146 Resp: 5503547
 Ion Ratio Lower Upper
 146 100
 111 45.3 23.4 70.0
 148 64.9 33.1 99.5

