

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037402.D
 Acq On : 11 Aug 2021 23:14
 Operator : SY/AP
 Sample : M3157-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1DL

Manual Integrations
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apatel
 8/12/2021 10:17:23 AM

Quant Time: Aug 12 06:06:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1266770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4019633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3538599	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2513866	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	20791	0.259	ppbv	96
10) Heptane	8.12	43	36308m	0.191	ppbv	
13) Ethanol	3.61	45	269565m	27.850	ppbv	
15) Acetone	3.85	43	201501m	1.670	ppbv	
17) tert-Butyl alcohol	4.31	59	39692m	0.368	ppbv	
19) Isopropyl Alcohol	3.98	45	216573	3.117	ppbv #	39
20) Methylene Chloride	4.34	84	51966	0.793	ppbv	97
25) Ethyl Acetate	5.68	43	817077	2.644	ppbv #	88
30) Cyclohexane	7.13	84	25719m	0.199	ppbv	
34) 2-Butanone	5.25	43	117504m	0.769	ppbv	
36) Benzene	6.88	78	75223m	0.236	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	81645m	0.409	ppbv	
53) Toluene	9.80	91	890526	2.407	ppbv	99
58) Ethyl Benzene	12.71	91	50068m	0.106	ppbv	
59) m/p-Xylene	12.96	91	112960m	0.278	ppbv	
60) o-Xylene	13.69	91	46690m	0.124	ppbv	
61) Styrene	13.52	104	45341m	0.232	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	55187m	0.133	ppbv	

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

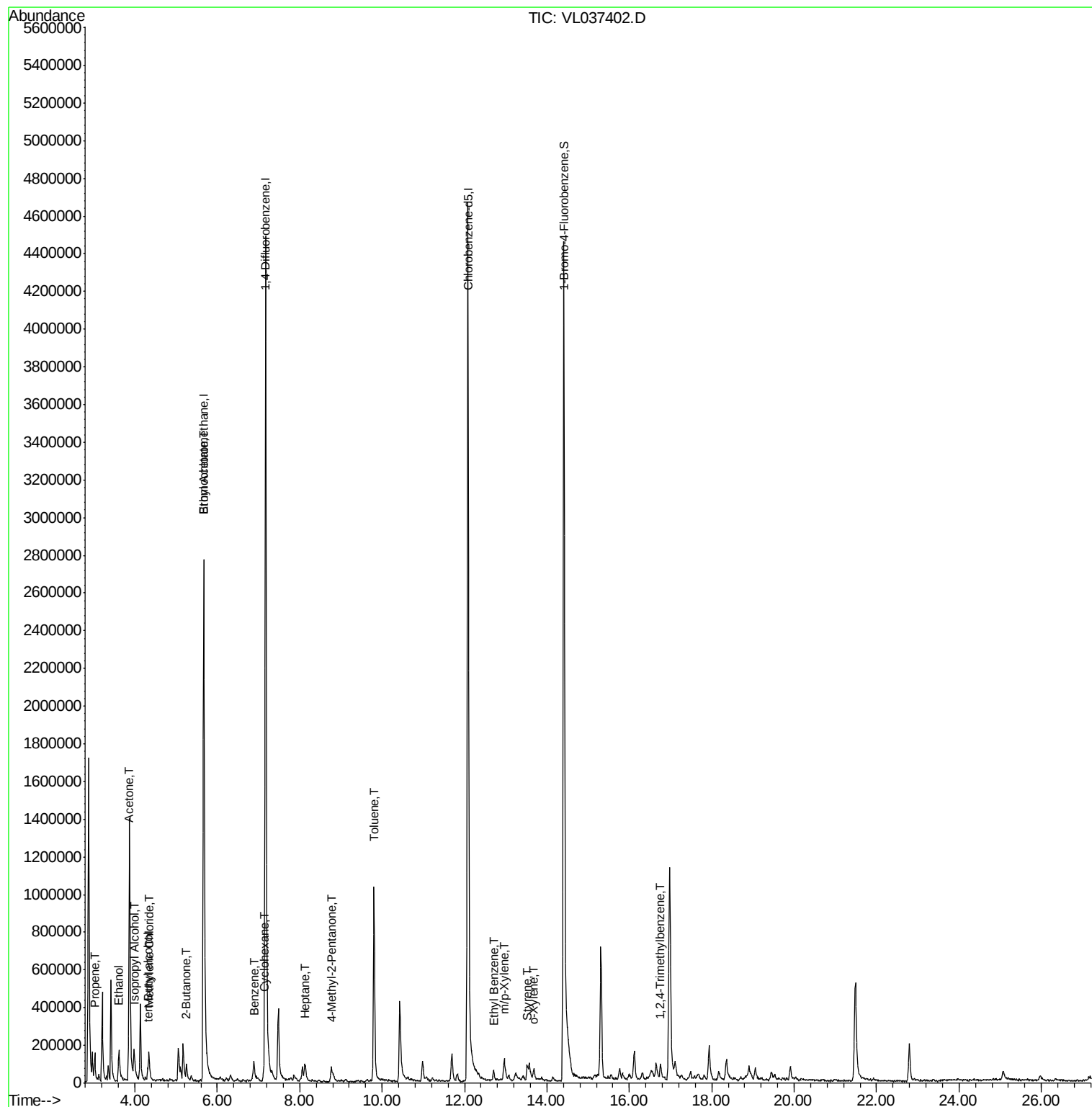
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037402.D
Acq On : 11 Aug 2021 23:14
Operator : SY/AP
Sample : M3157-10DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

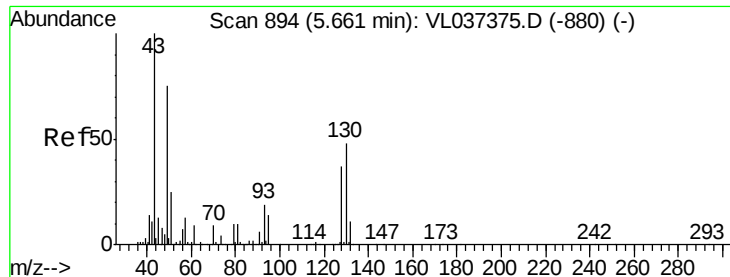
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Manual Integrations
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Quant Time: Aug 12 06:06:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

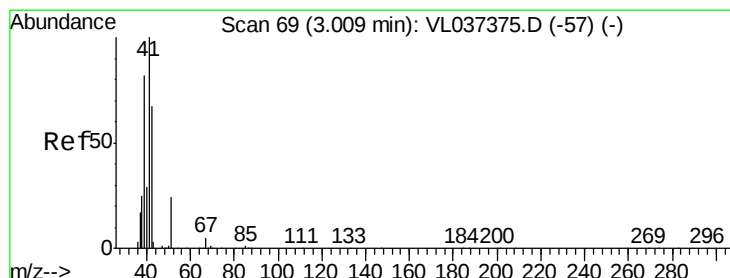
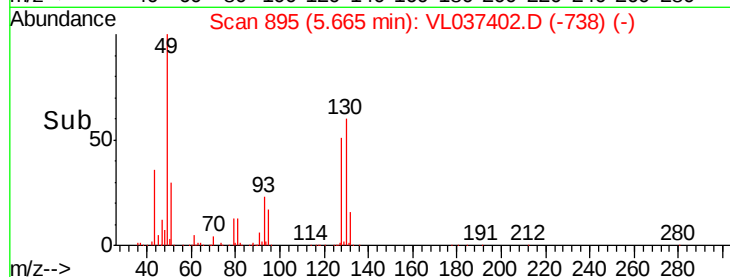
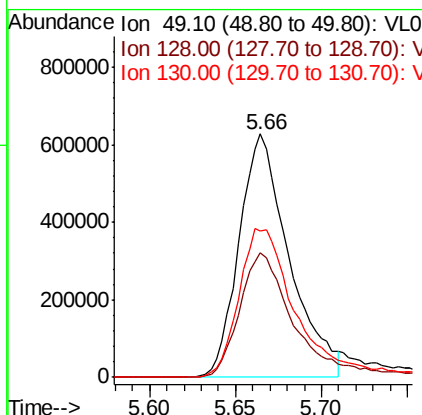
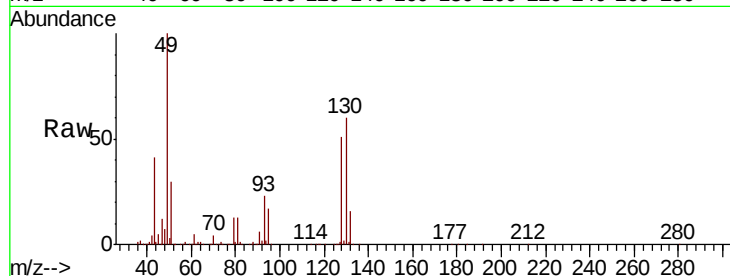
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 49 Resp: 1266770
 Ion Ratio Lower Upper
 49 100
 128 58.7 28.1 84.4
 130 72.8 34.3 102.8

Manual Integrations
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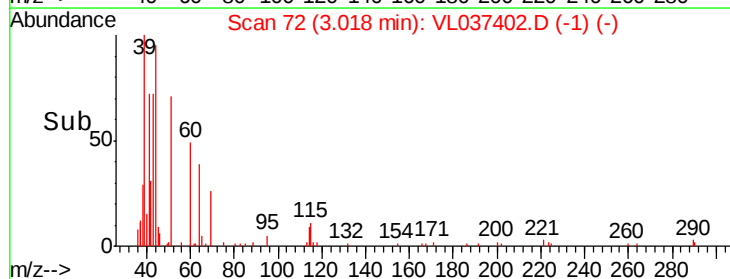
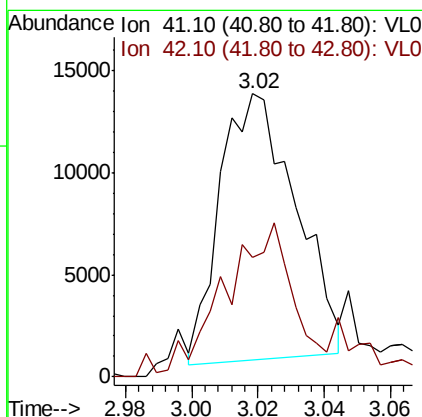
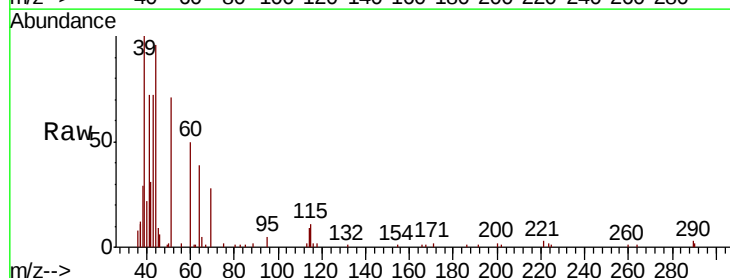
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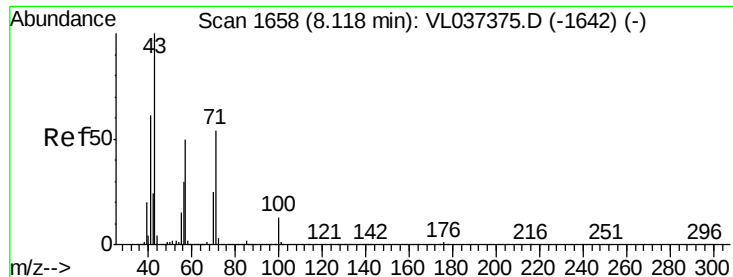


#9

Propene
 Concen: 0.259 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Tgt Ion: 41 Resp: 20791
 Ion Ratio Lower Upper
 41 100
 42 65.9 55.5 83.3





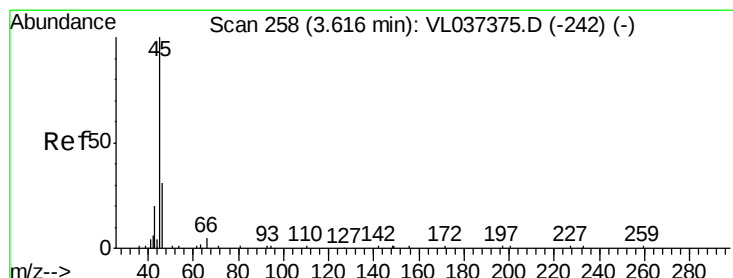
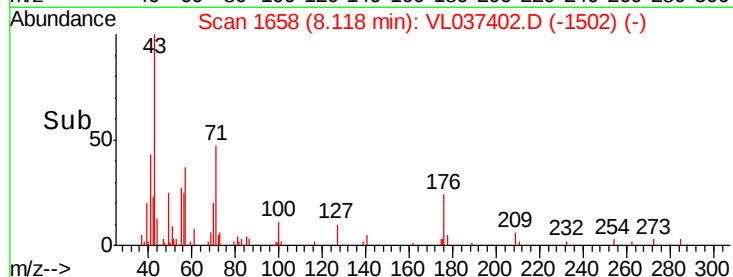
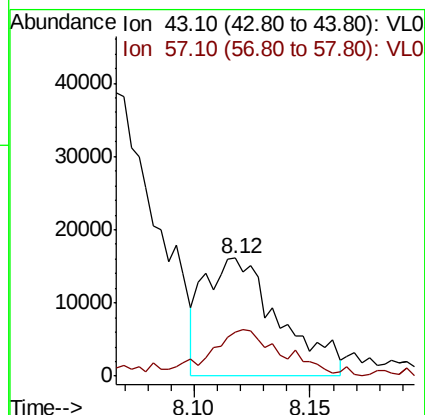
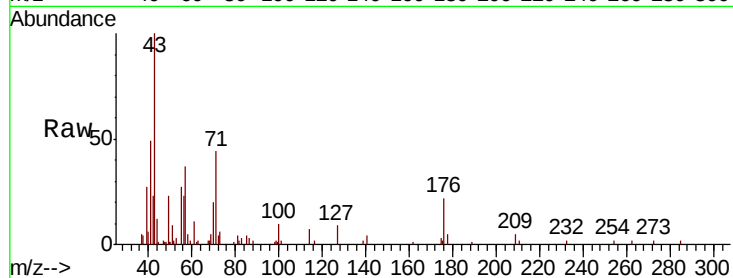
#10
Heptane
Concen: 0.191 ppbv m
RT: 8.12 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 43 Resp: 36308
Ion Ratio Lower Upper
43 100
57 39.3 40.2 60.2#

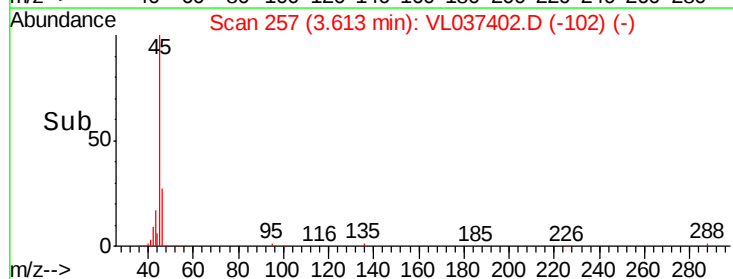
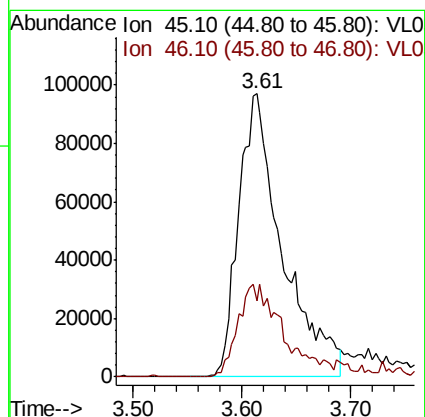
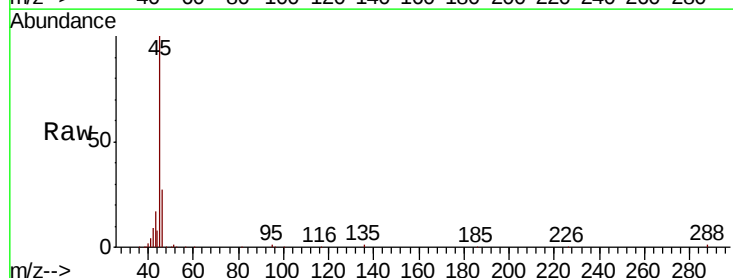
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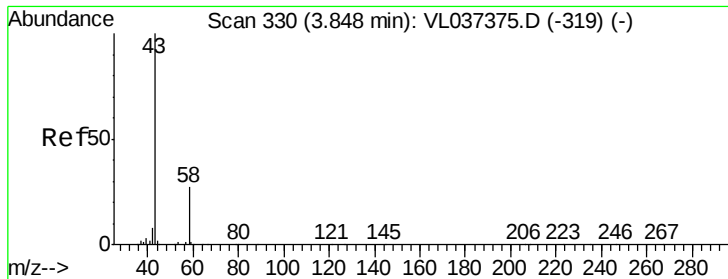
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#13
Ethanol
Concen: 27.850 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion: 45 Resp: 269565
Ion Ratio Lower Upper
45 100
46 36.7 15.8 63.4





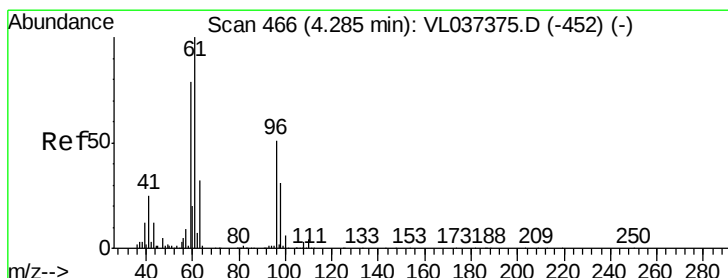
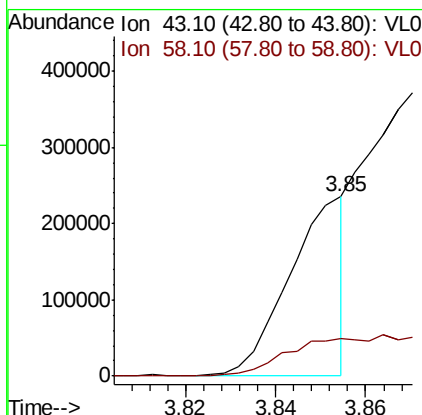
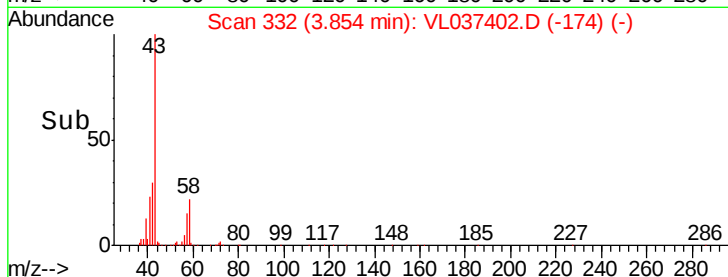
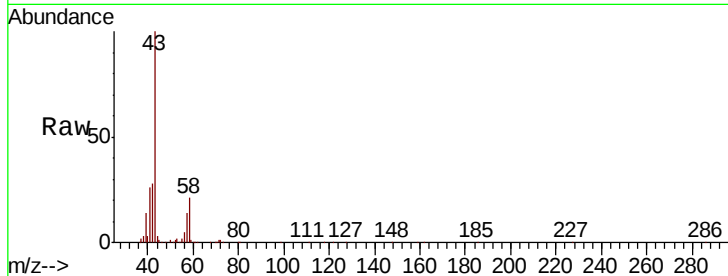
#15
Acetone
Concen: 1.670 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	78.8	24.6	37.0#

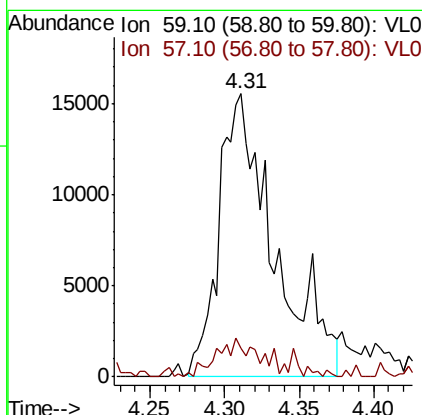
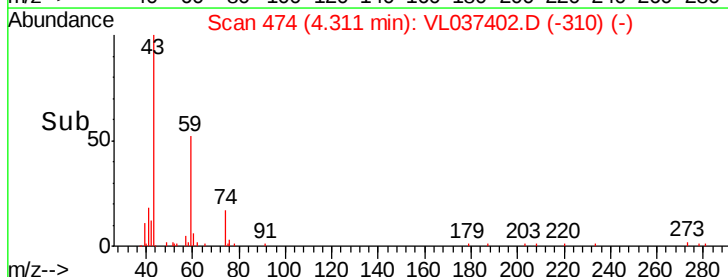
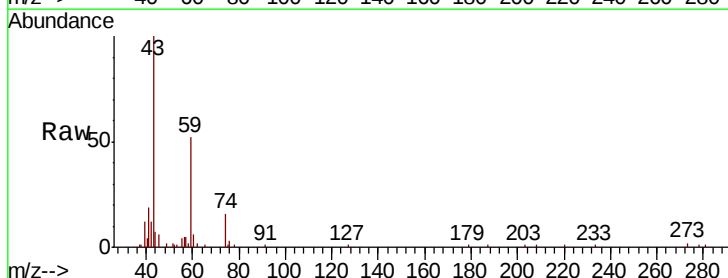
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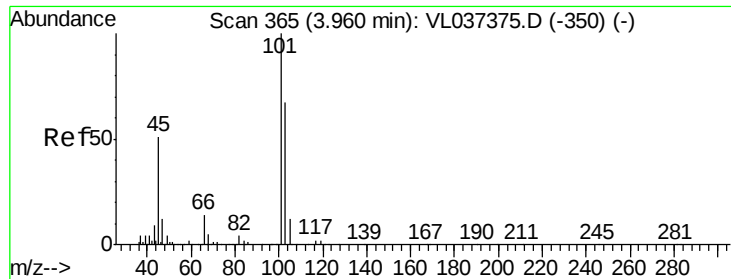
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#17
tert-Butyl alcohol
Concen: 0.368 ppbv m
RT: 4.31 min Scan# 474
Delta R.T. 0.03 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#





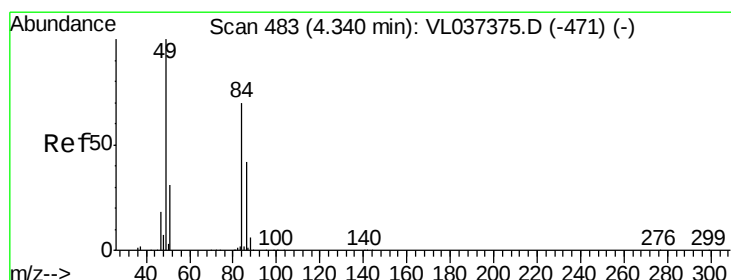
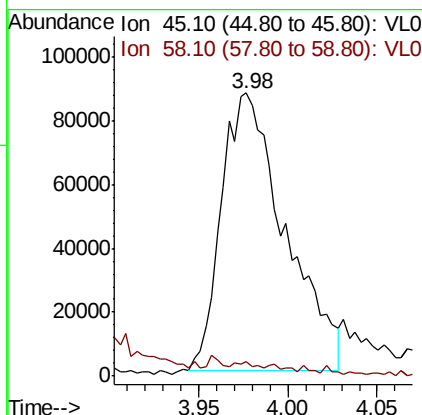
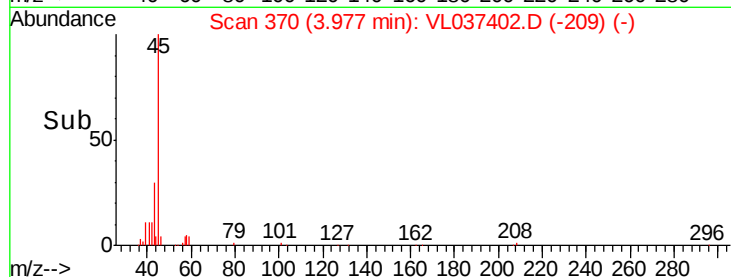
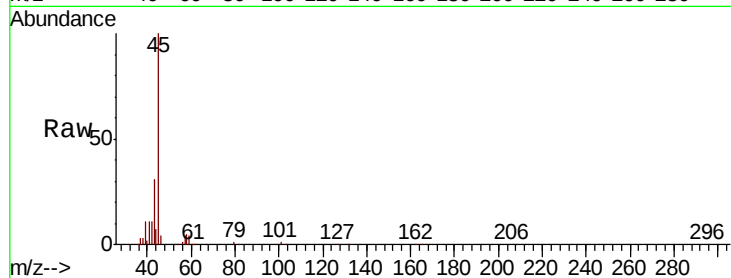
#19
Isopropyl Alcohol
Concen: 3.117 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 45 Resp: 216573
Ion Ratio Lower Upper
45 100
58 6.9 38.7 58.1#

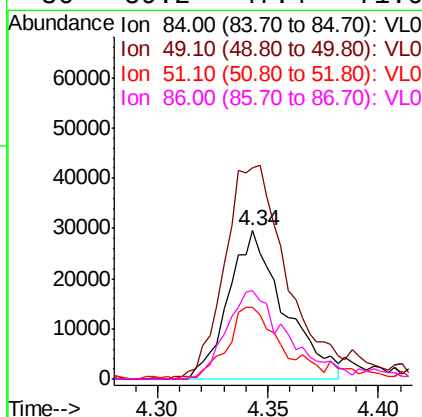
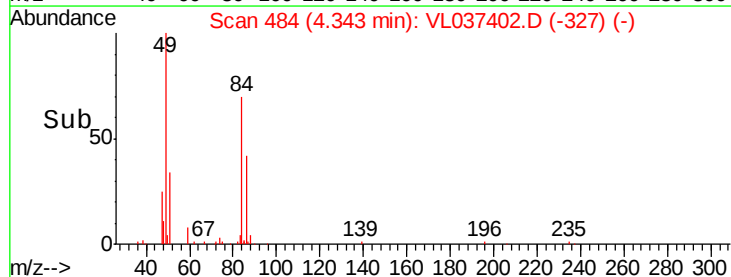
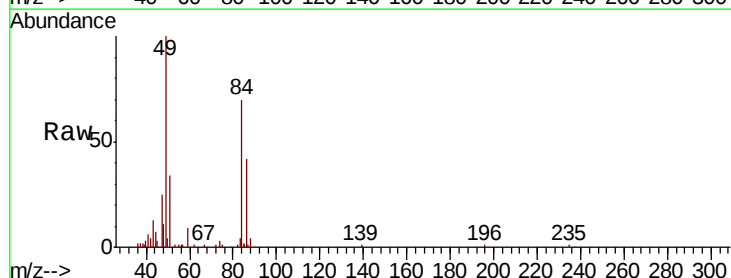
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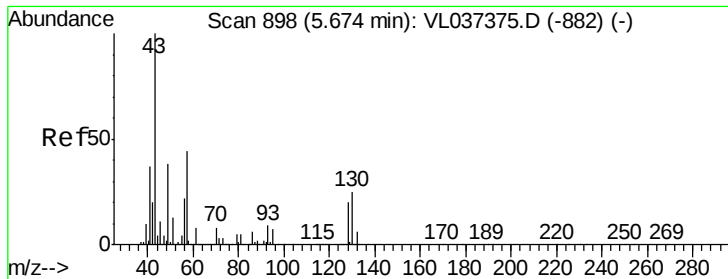
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#20
Methylene Chloride
Concen: 0.793 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion: 84 Resp: 51966
Ion Ratio Lower Upper
84 100
49 137.8 113.8 170.6
51 46.7 34.7 52.1
86 59.2 47.4 71.0





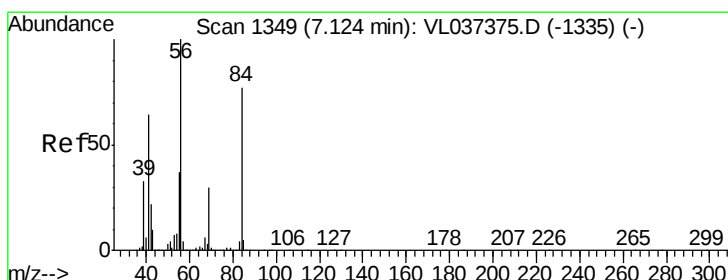
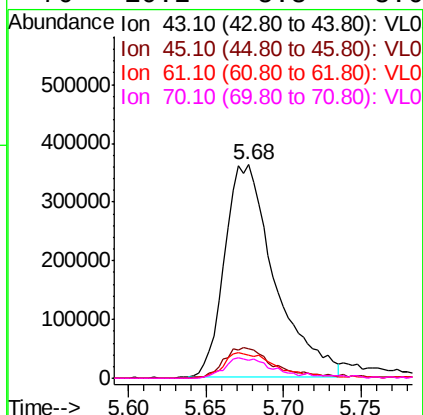
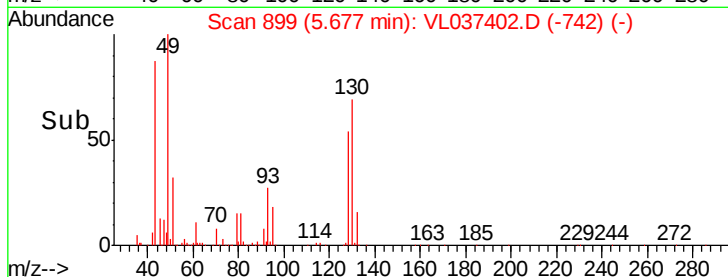
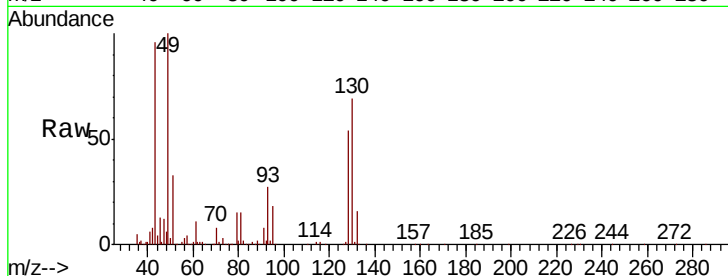
#25
Ethyl Acetate
Concen: 2.644 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	15.3	8.0	12.0#		
61	13.6	7.7	11.5#		
70	10.2	5.8	8.6#		

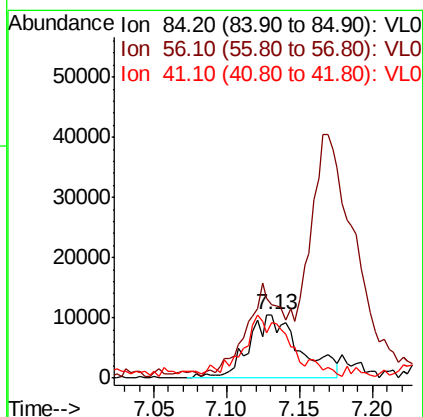
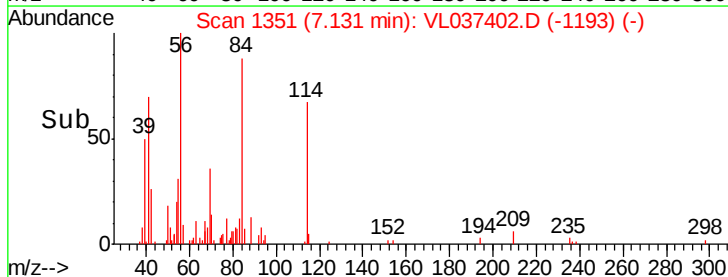
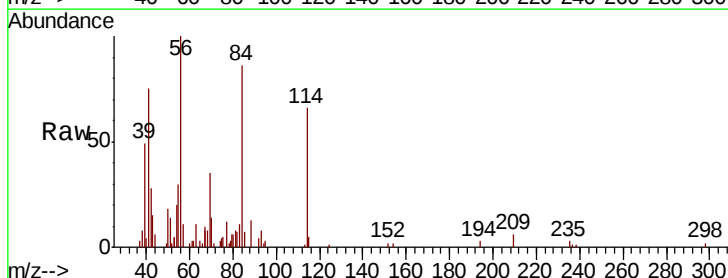
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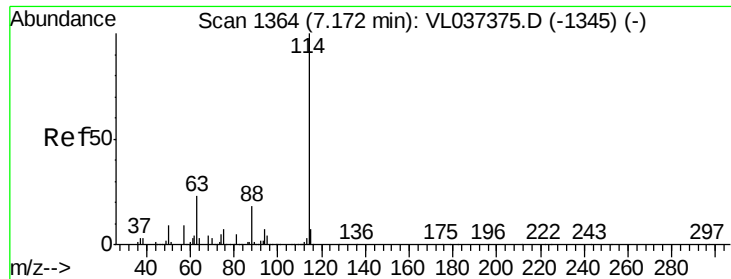
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#30
Cyclohexane
Concen: 0.199 ppbv m
RT: 7.13 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
56	0.0	109.4	164.0#		
41	0.0	66.2	99.2#		





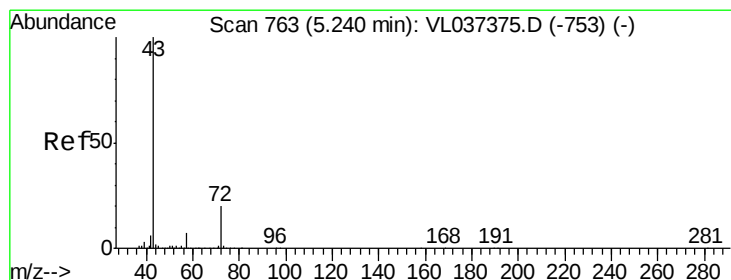
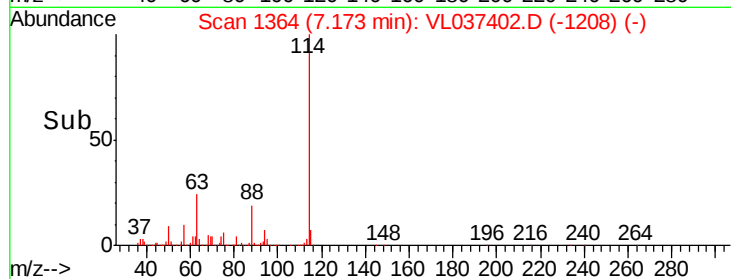
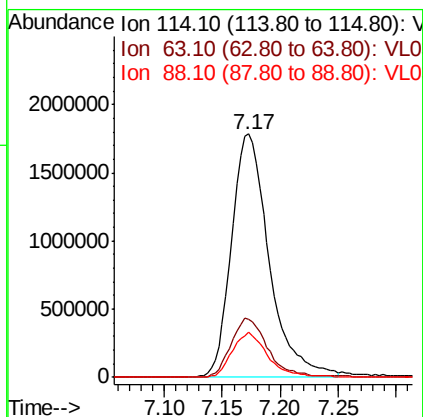
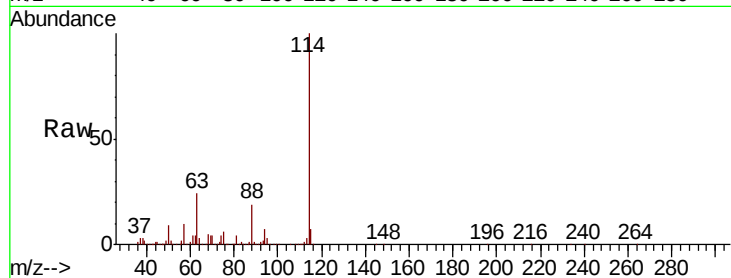
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.5	29.3
88	18.2	14.3	21.5

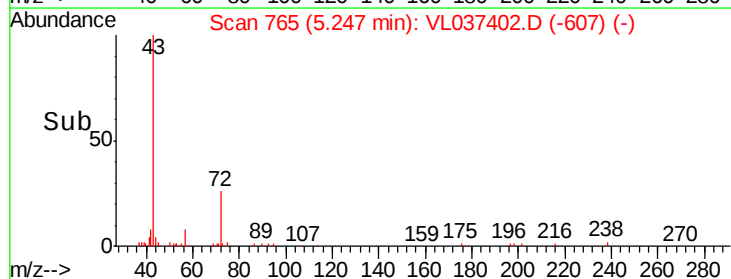
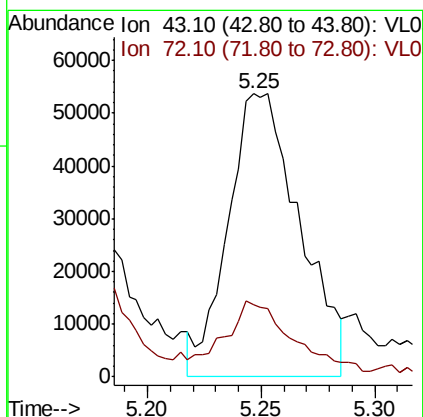
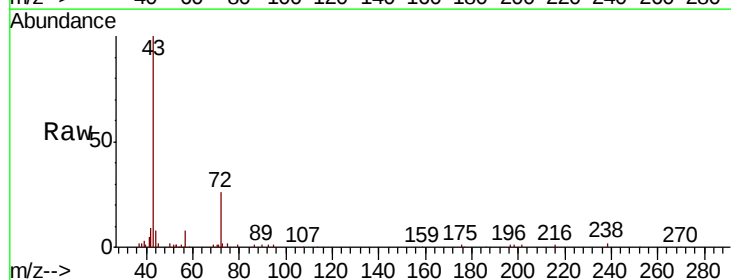
Manual Integrations
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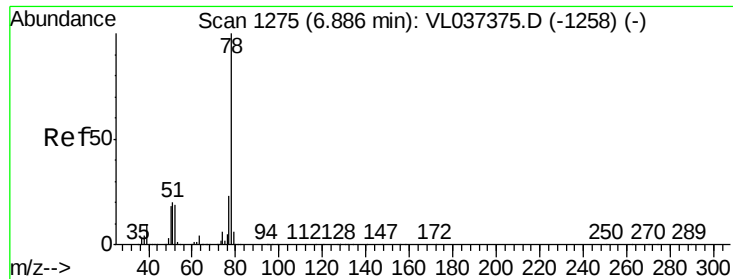
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#34
 2-Butanone
 Concen: 0.769 ppbv m
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.5	19.6	29.4#





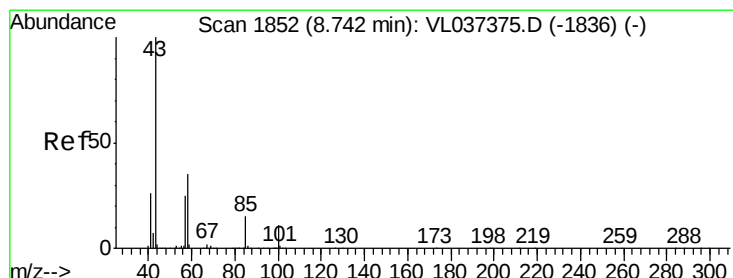
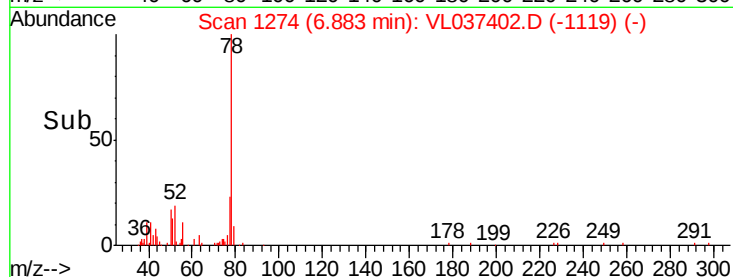
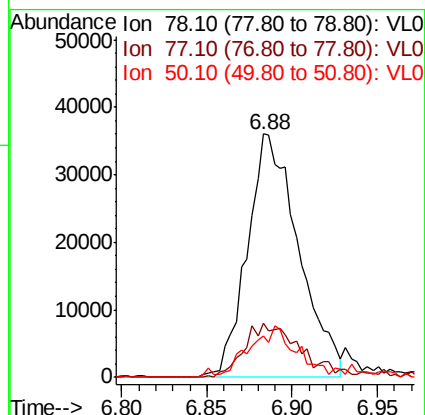
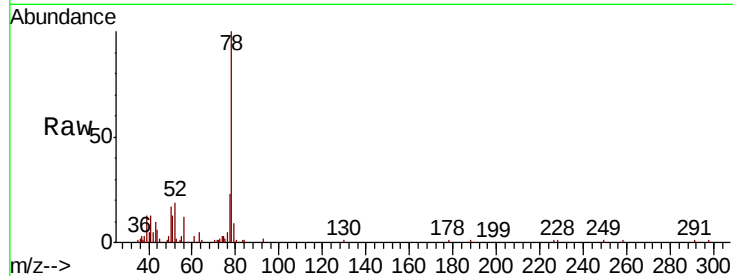
#36
Benzene
Concen: 0.236 ppbv m
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0
50	17.1	14.3	21.5

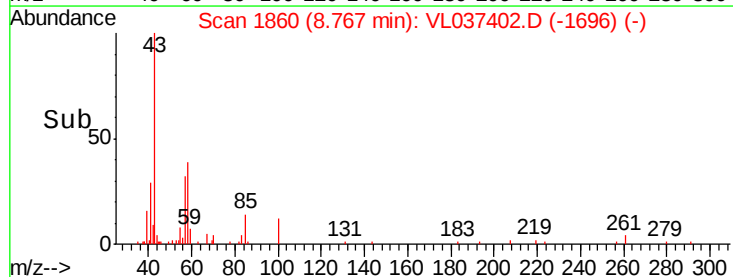
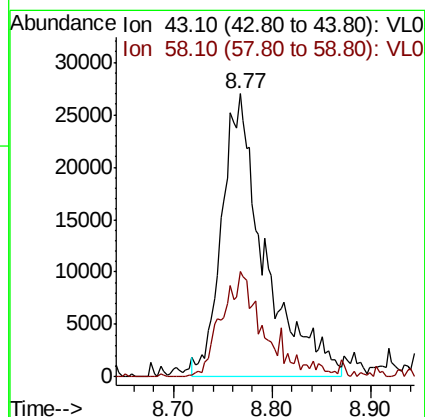
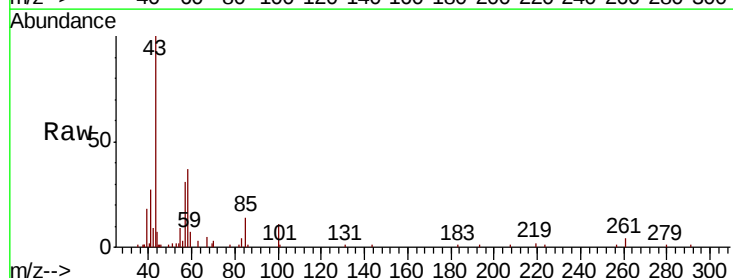
Manual Integrations
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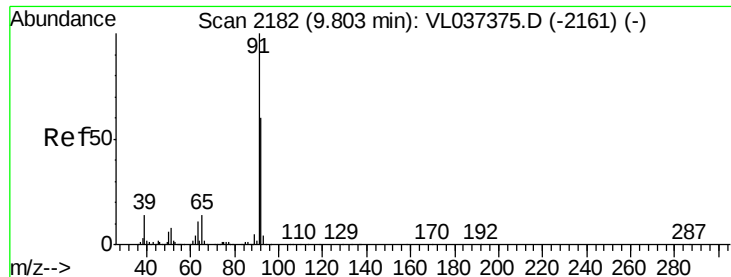
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#50
4-Methyl-2-Pentanone
Concen: 0.409 ppbv m
RT: 8.77 min Scan# 1860
Delta R.T. 0.03 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#





#53

Toluene

Concen: 2.407 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037402.D

Acq: 11 Aug 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 890526

Ion Ratio Lower Upper

91 100

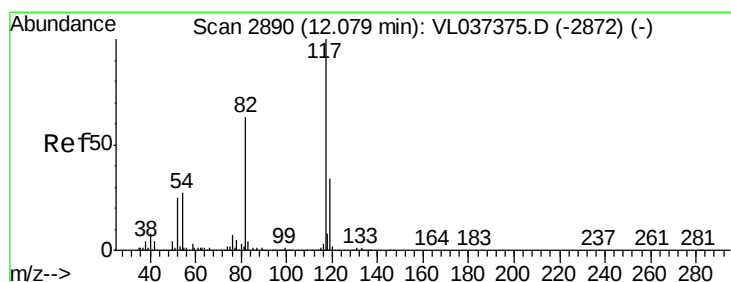
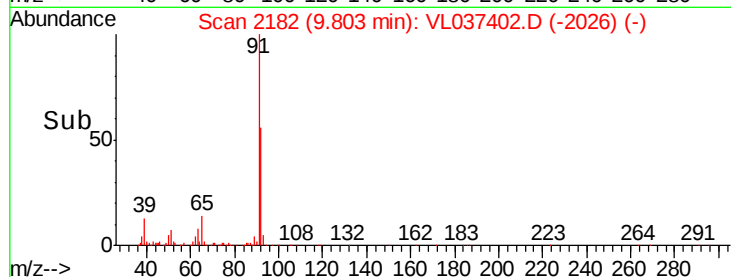
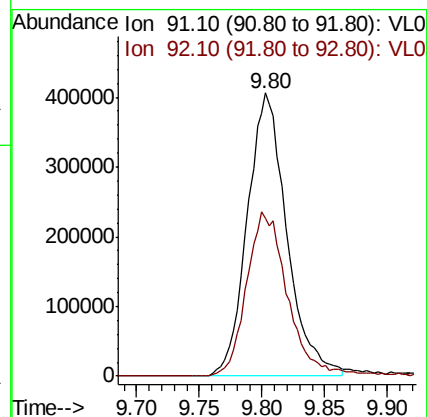
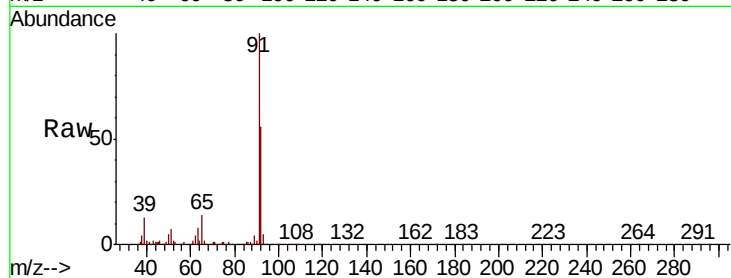
92 60.7 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037402.D

Acq: 11 Aug 2021 23:14

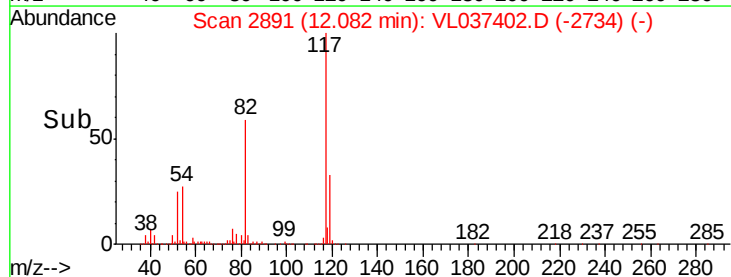
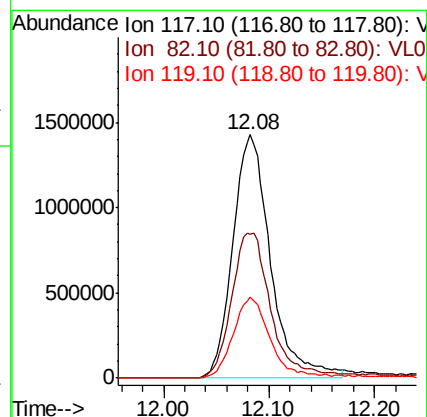
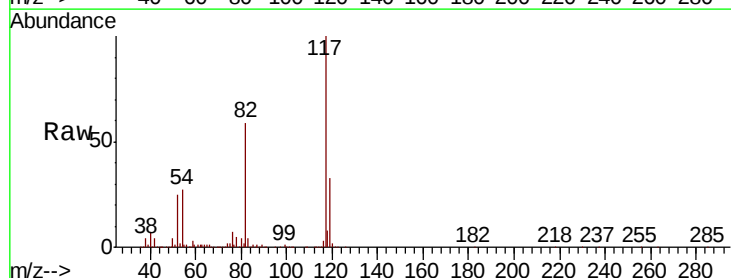
Tgt Ion: 117 Resp: 3538599

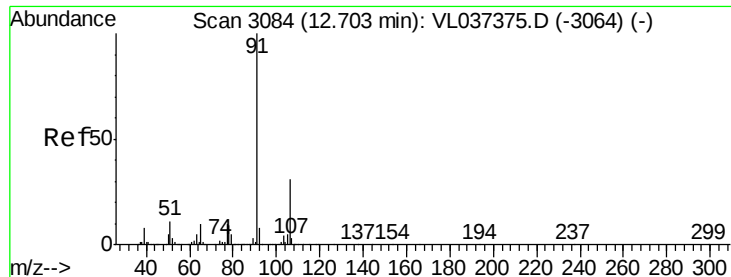
Ion Ratio Lower Upper

117 100

82 65.0 52.6 78.8

119 34.0 46.7 70.1#





#58

Ethyl Benzene

Concen: 0.106 ppbv m

RT: 12.71 min Scan# 3086

Delta R.T. 0.01 min

Lab File: VL037402.D

Acq: 11 Aug 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 50068

Ion Ratio Lower Upper

91 100

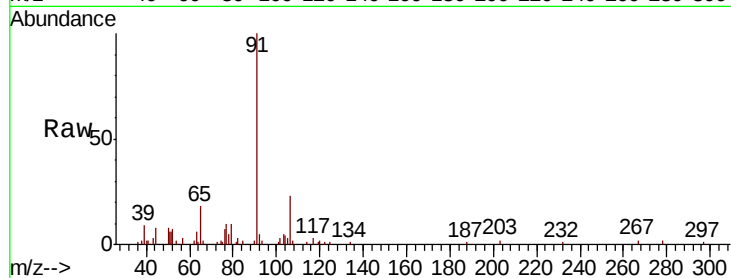
106 22.8 24.6 36.8#

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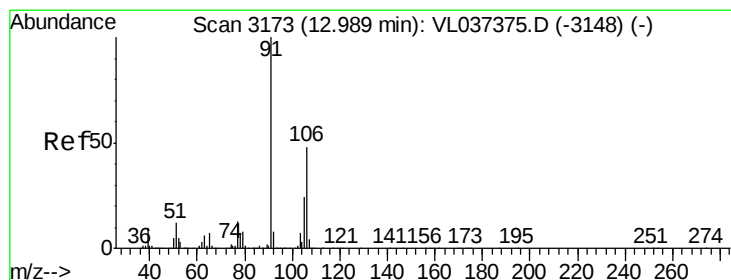
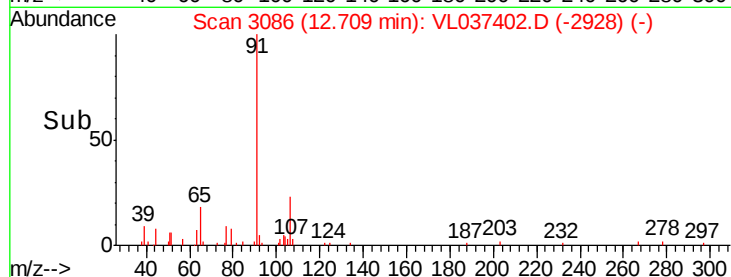
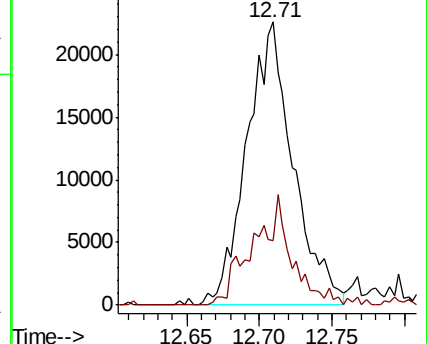
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.278 ppbv m

RT: 12.96 min Scan# 3164

Delta R.T. -0.03 min

Lab File: VL037402.D

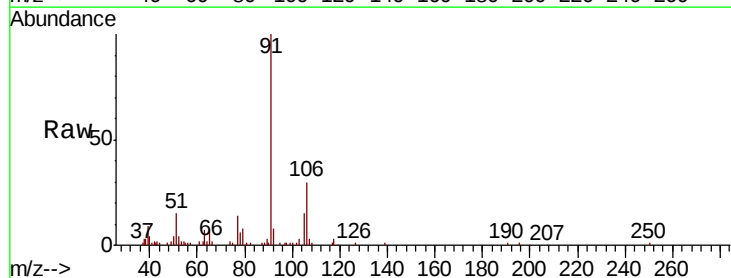
Acq: 11 Aug 2021 23:14

Tgt Ion: 91 Resp: 112960

Ion Ratio Lower Upper

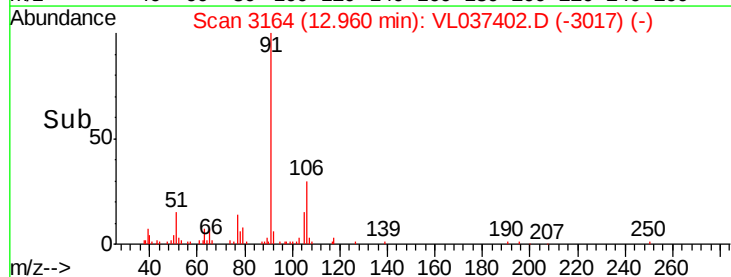
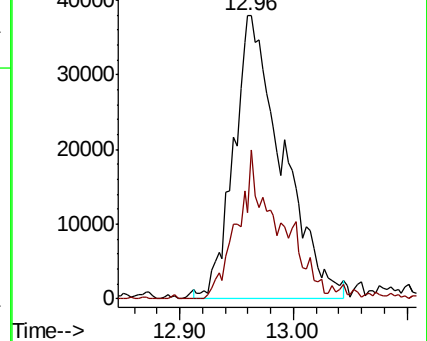
91 100

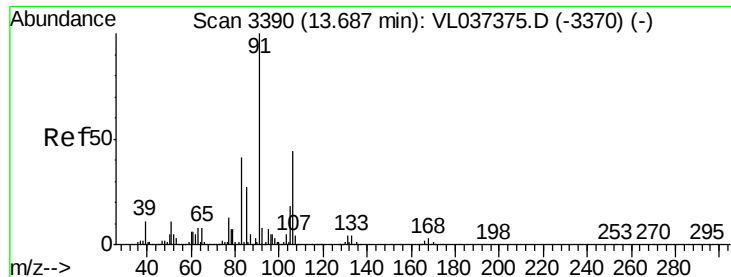
106 0.0 36.6 55.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





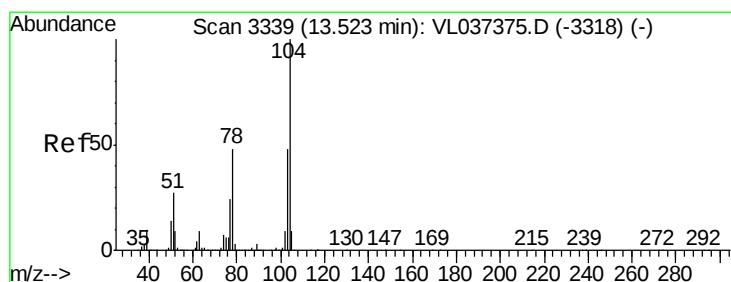
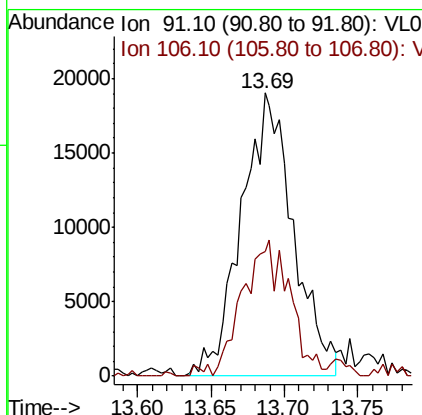
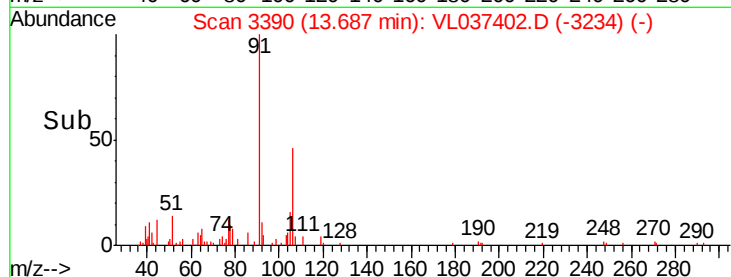
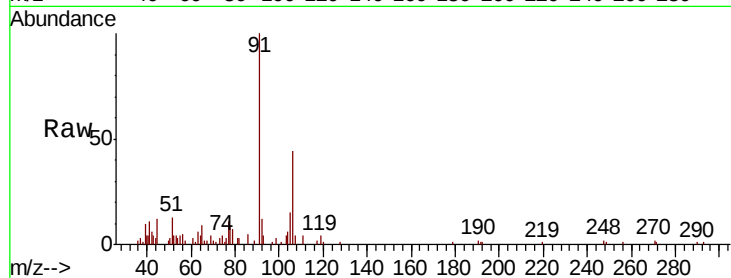
#60
o-Xylene
Concen: 0.124 ppbv m
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 91 Resp: 46690
Ion Ratio Lower Upper
91 100
106 46.2 23.2 69.6

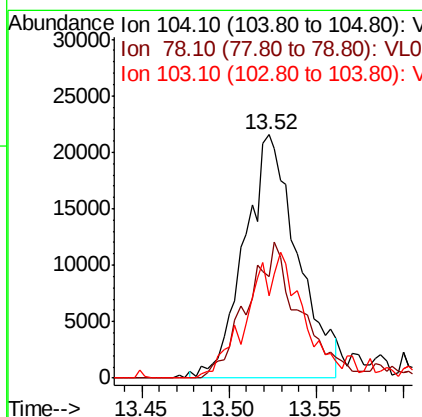
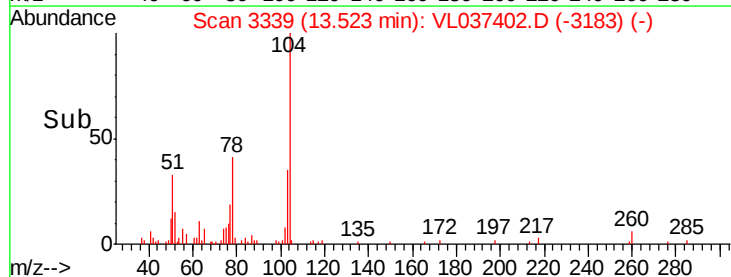
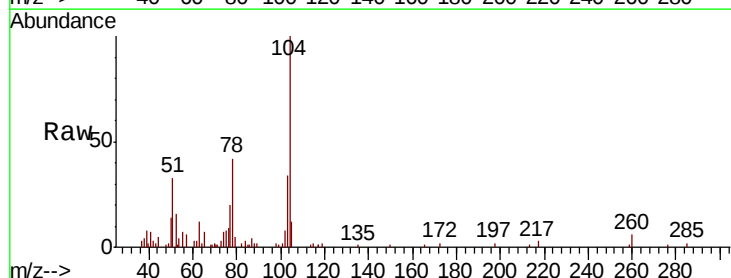
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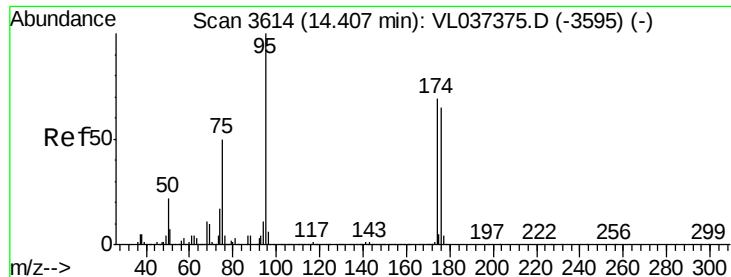
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#61
Styrene
Concen: 0.232 ppbv m
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037402.D
Acq: 11 Aug 2021 23:14

Tgt Ion: 104 Resp: 45341
Ion Ratio Lower Upper
104 100
78 58.9 41.4 62.0
103 58.5 40.6 61.0





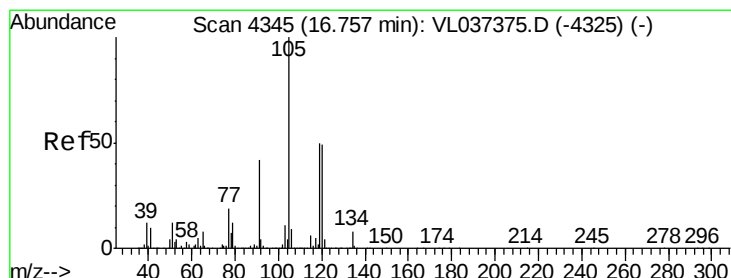
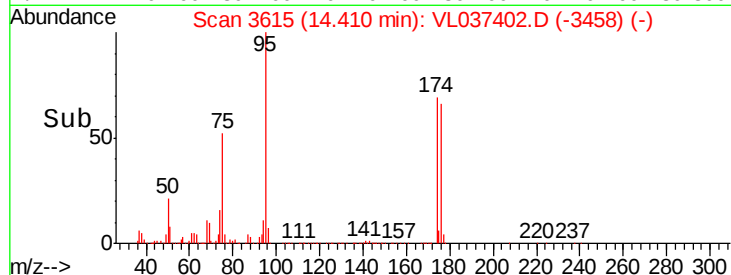
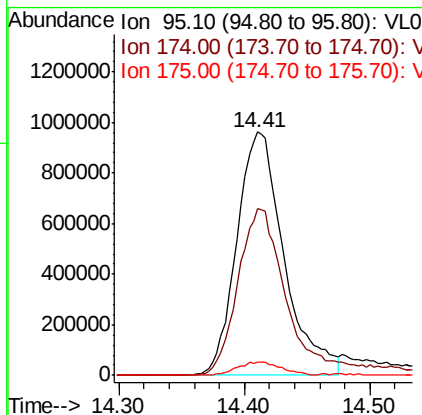
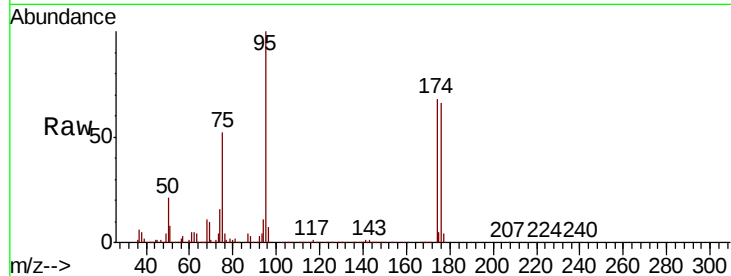
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.526 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-1DL

Tot Ion: 95 Resp: 2513866
 Ion Ratio Lower Upper
 95 100
 174 76.6 58.3 87.5
 175 5.3 4.3 6.5

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.133 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL037402.D
 Acq: 11 Aug 2021 23:14

Tgt Ion: 105 Resp: 55187
 Ion Ratio Lower Upper
 105 100
 120 29.6 39.0 58.4#
 91 12.6 34.4 51.6#
 77 16.1 15.7 23.5

