

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040771.D
 Acq On : 12 Oct 2023 1:11
 Operator : SY/MD
 Sample : 04699-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Quant Time: Oct 13 01:21:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	951764	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2717765	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2494680	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1871504	10.195	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	17052	0.102	ppbv	90
3) Chlorodifluoromethane	2.709	51	13751	0.098	ppbv #	88
4) Chloromethane	2.848	50	5900	0.107	ppbv #	73
5) Vinyl Chloride	2.947	62	3910	0.069	ppbv #	46
6) Bromomethane	3.153	94	2443	0.103	ppbv #	44
7) Chloroethane	3.218	64	955	0.051	ppbv #	81
8) Dichlorotetrafluoroethane	2.890	85	12607	0.099	ppbv	84
10) Heptane	7.587	43	11098	0.085	ppbv #	79
11) Trichlorofluoromethane	3.590	101	12170	0.094	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.082	101	3047	0.033	ppbv #	13
14) Bromoethene	3.394	108	2073	0.052	ppbv #	1
16) 1,3-Butadiene	3.015	39	3151	0.061	ppbv #	19
18) 1,1-Dichloroethene	3.902	96	2947	0.071	ppbv #	43
20) Methylene Chloride	3.957	84	11521	0.281	ppbv #	88
21) Allyl Chloride	4.028	41	6064	0.093	ppbv #	74
22) trans-1,2-Dichloroethene	4.465	96	1788	0.041	ppbv #	29
24) 1,1-Dichloroethane	4.581	63	5223	0.055	ppbv #	96
26) Hexane	5.234	57	7853	0.080	ppbv #	25
27) Carbon Disulfide	4.150	76	9027	0.083	ppbv #	61
28) Methyl tert-Butyl Ether	4.623	73	7382	0.096	ppbv	92
29) Chloroform	5.291	83	14157	0.099	ppbv	97
30) Cyclohexane	6.623	84	3190	0.038	ppbv #	1
31) cis-1,2-Dichloroethene	5.095	61	7977	0.088	ppbv #	84
35) Carbon Tetrachloride	6.510	117	9077	0.060	ppbv	89
36) Benzene	6.385	78	18980	0.091	ppbv #	89
37) 1,2-Dichloroethane	5.825	62	6745	0.063	ppbv #	76
38) Trichloroethene	7.301	130	6215	0.067	ppbv #	64
39) 1,2-Dichloropropane	6.668	63	634067	7.764	ppbv #	26
42) Bromodichloromethane	7.256	83	8398	0.052	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	31856	0.090	ppbv	95
46) cis-1,3-Dichloropropene	8.150	75	2545	0.031	ppbv #	87
47) 1,1,2-Trichloroethane	8.909	97	3941	0.046	ppbv #	69
48) Dibromochloromethane	9.716	129	5380	0.037	ppbv #	10
49) Bromoform	12.410	173	5081	0.043	ppbv #	64
52) Tetrachloroethene	10.619	164	3514	0.041	ppbv #	84
53) Toluene	9.230	91	15249	0.061	ppbv #	62
54) 1,2-Dibromoethane	10.018	107	8771	0.073	ppbv	84
56) 1,1,1,2-Tetrachloroethane	11.513	131	4455	0.044	ppbv #	10
57) Chlorobenzene	11.526	112	11511	0.064	ppbv #	58
59) m/p-Xylene	12.368	91	10724	0.041	ppbv #	1
60) o-Xylene	13.060	91	12043	0.049	ppbv #	34
61) Styrene	12.902	104	8169	0.060	ppbv #	73
62) Isopropylbenzene	14.027	105	18376	0.048	ppbv #	52

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QLast Update : Thu Oct 12 00:21:08 2023
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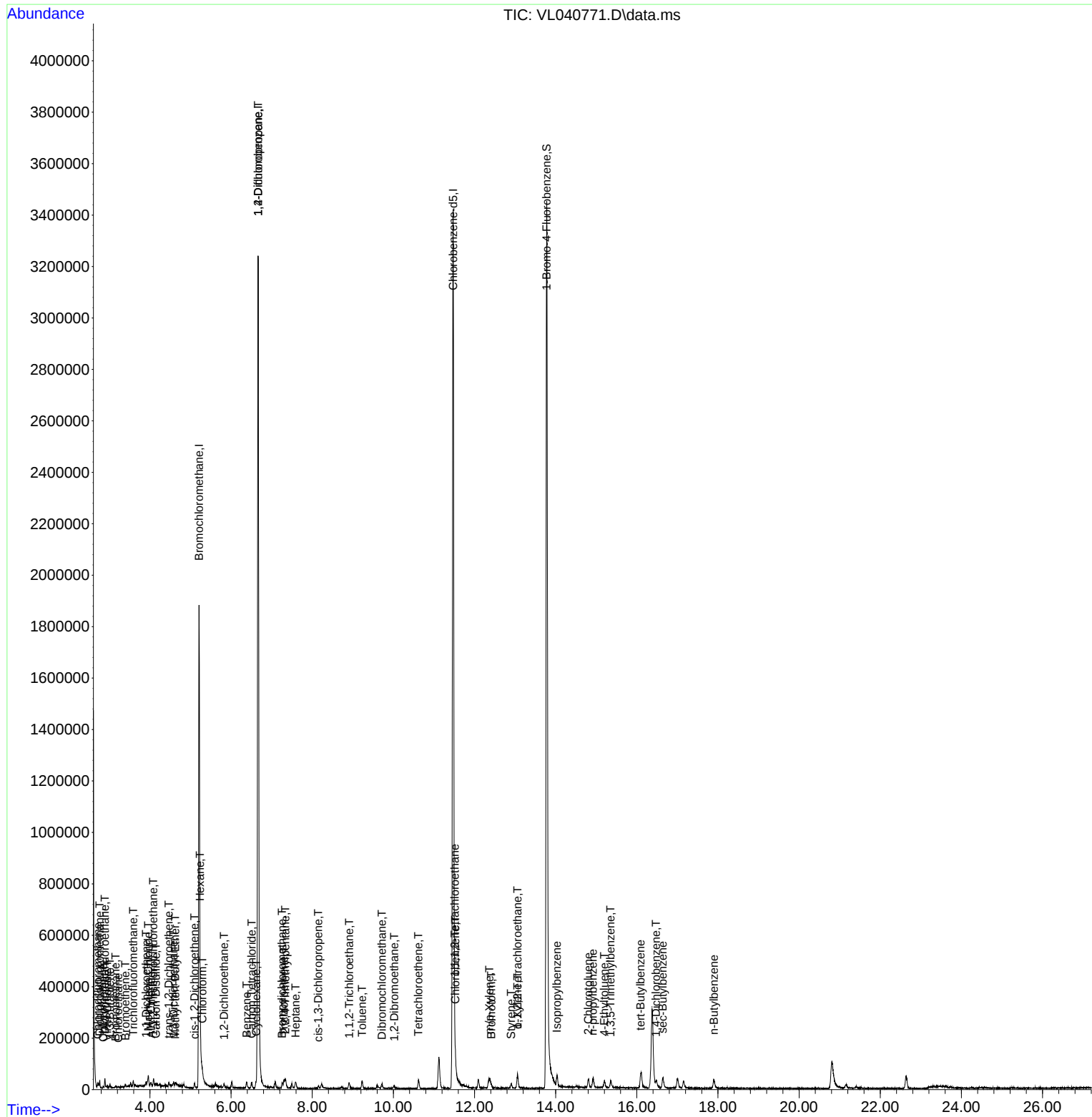
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	13.060	83	9397	0.051	ppbv #	38
64) n-propylbenzene	14.915	120	5427	0.053	ppbv	71
65) tert-Butylbenzene	16.092	119	22577	0.066	ppbv #	20
67) sec-Butylbenzene	16.635	105	15175	0.032	ppbv #	57
70) n-Butylbenzene	17.899	91	21579	0.056	ppbv #	69
71) 2-Chlorotoluene	14.805	91	8900	0.031	ppbv #	41
72) 4-Ethyltoluene	15.198	105	13347	0.046	ppbv #	50
73) 1,3,5-Trimethylbenzene	15.352	105	9195	0.036	ppbv #	77
76) 1,4-Dichlorobenzene	16.474	146	6570	0.038	ppbv #	4

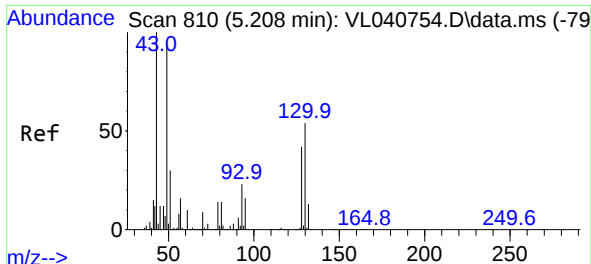
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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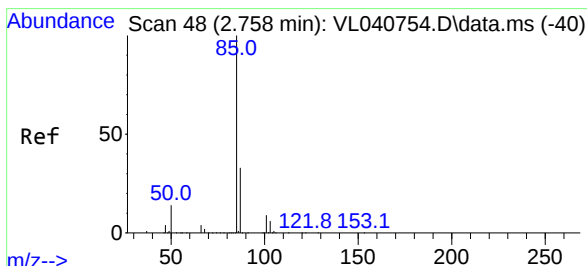
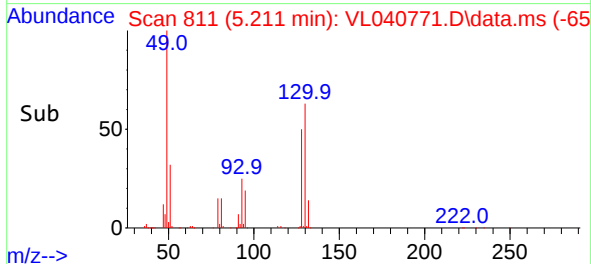
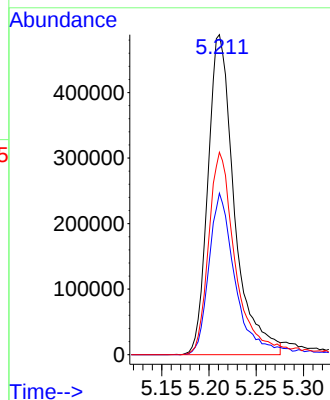
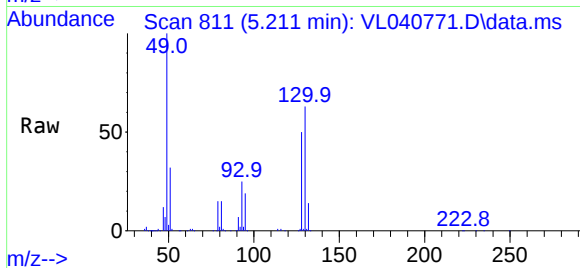




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

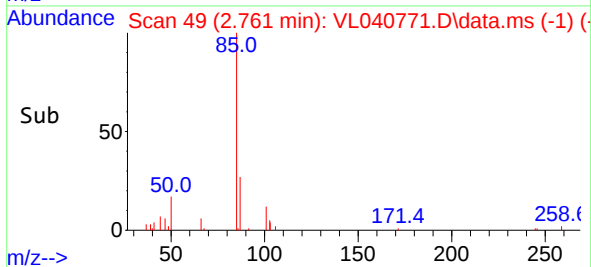
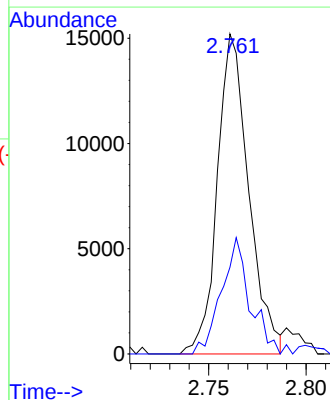
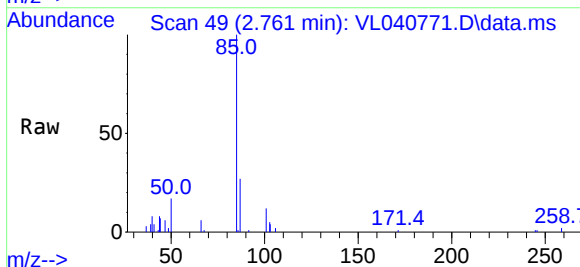
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

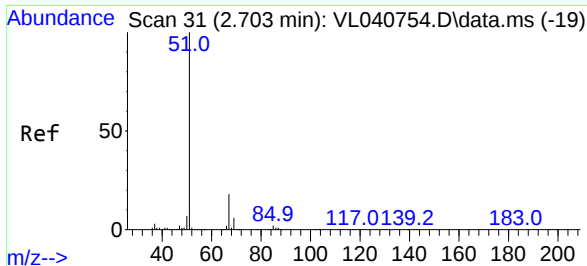
Tgt Ion: 49 Resp: 951764
Ion Ratio Lower Upper
49 100
128 52.2 23.9 71.7
130 67.5 30.7 92.1



#2
Dichlorodifluoromethane
Concen: 0.102 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 85 Resp: 17052
Ion Ratio Lower Upper
85 100
87 27.1 26.0 39.0

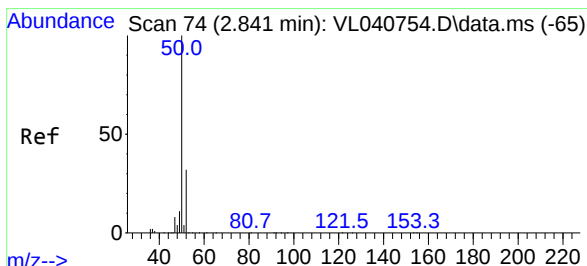
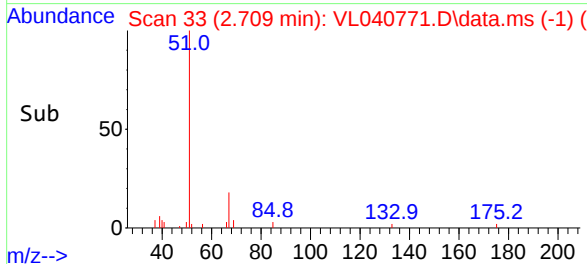
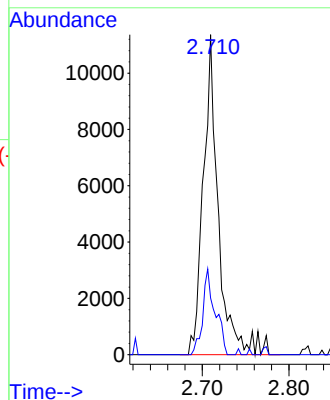
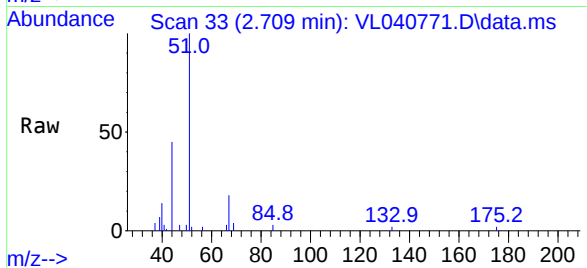




#3
Chlorodifluoromethane
Concen: 0.098 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

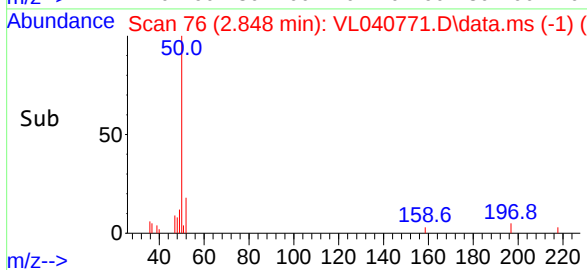
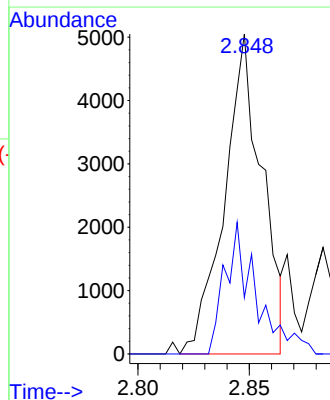
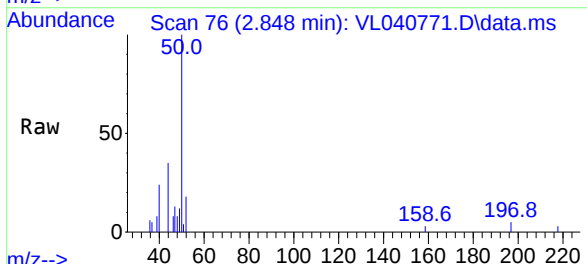
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

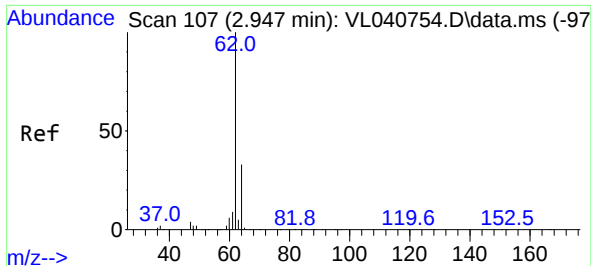
Tgt Ion: 51 Resp: 13751
Ion Ratio Lower Upper
51 100
67 22.6 13.8 20.6#



#4
Chloromethane
Concen: 0.107 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 50 Resp: 5900
Ion Ratio Lower Upper
50 100
52 16.9 25.3 37.9#

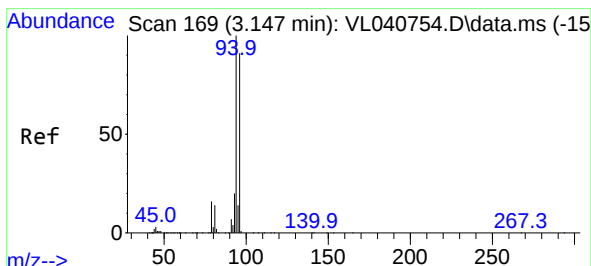
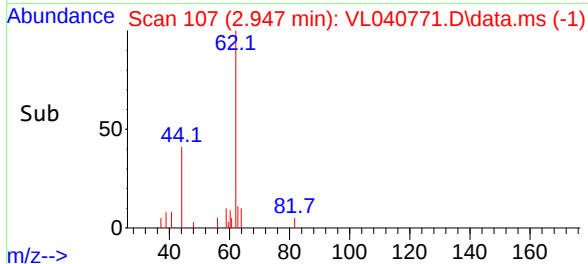
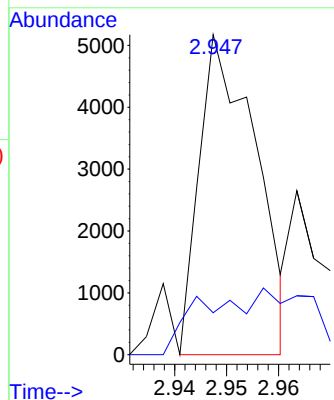
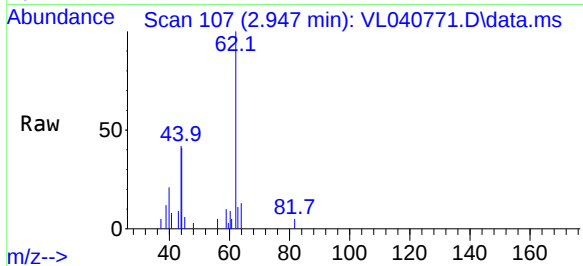




#5
 Vinyl Chloride
 Concen: 0.069 ppbv
 RT: 2.947 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

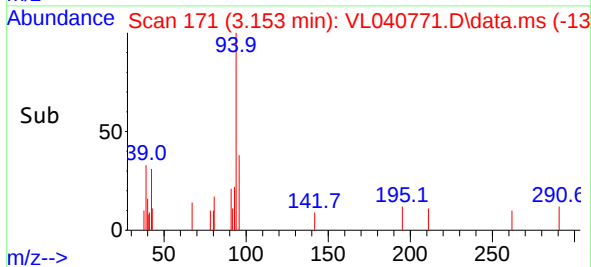
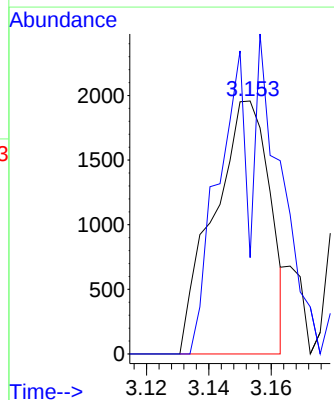
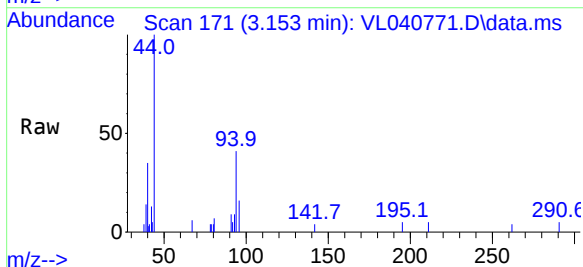
Instrument : MSVOA_1
 ClientSampleId : LOD-MDL-AIR-01-QT4-2023

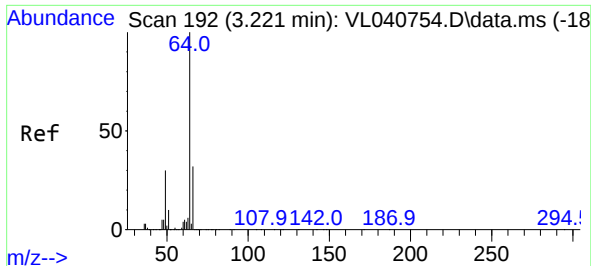
Tgt Ion: 62 Resp: 3910
 Ion Ratio Lower Upper
 62 100
 64 2.7 26.6 39.8#



#6
 Bromomethane
 Concen: 0.103 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

Tgt Ion: 94 Resp: 2443
 Ion Ratio Lower Upper
 94 100
 96 38.1 72.6 109.0#

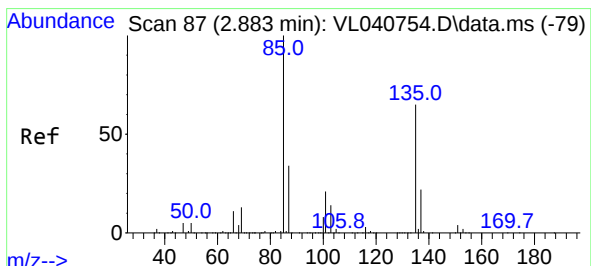
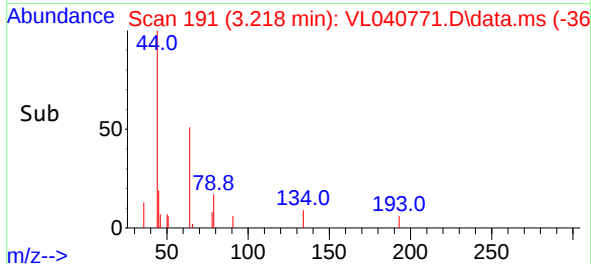
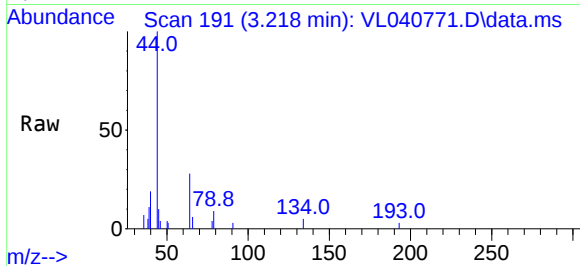




#7
Chloroethane
Concen: 0.051 ppbv
RT: 3.218 min Scan# 192
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

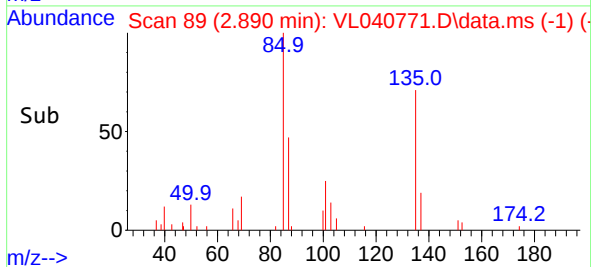
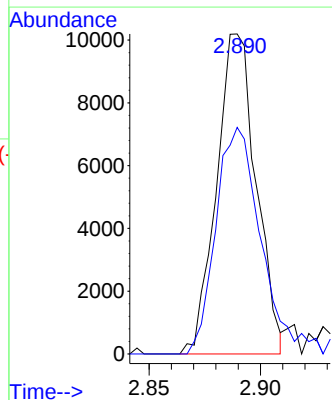
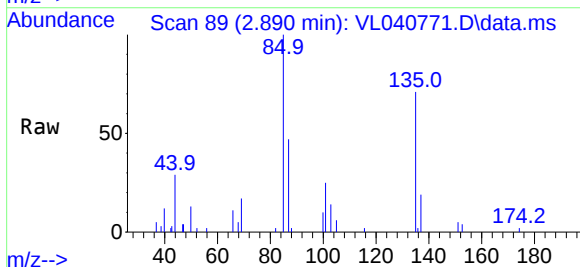
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023

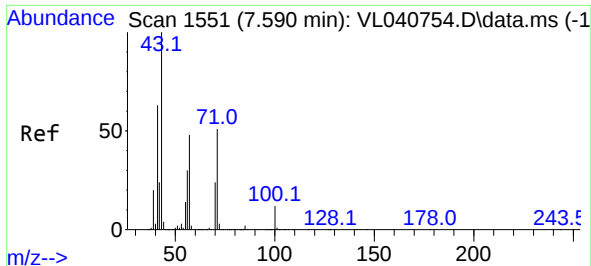
Tgt Ion: 64 Resp: 955
Ion Ratio Lower Upper
64 100
66 21.4 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.099 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 85 Resp: 12607
Ion Ratio Lower Upper
85 100
135 82.0 55.4 83.2





#10

Heptane

Concen: 0.085 ppbv

RT: 7.587 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

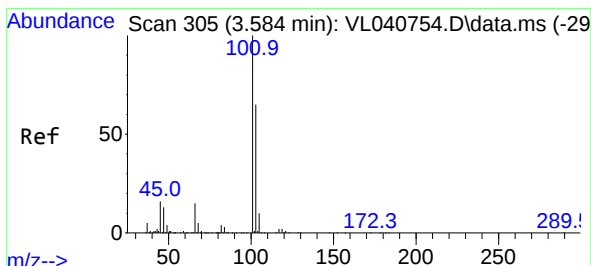
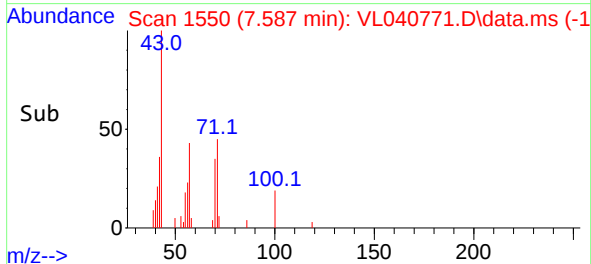
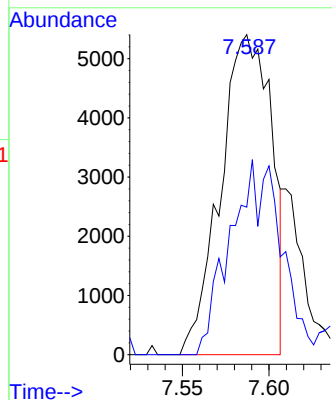
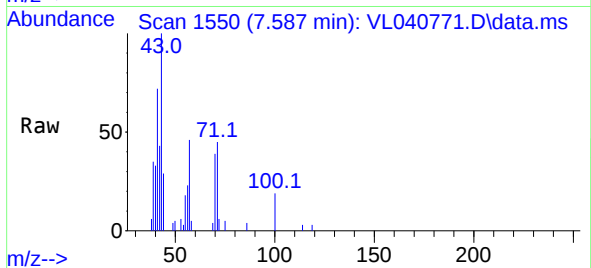
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 43 Resp: 11098

Ion Ratio Lower Upper

43 100

57 64.1 40.0 60.0#



#11

Trichlorofluoromethane

Concen: 0.094 ppbv

RT: 3.590 min Scan# 307

Delta R.T. 0.006 min

Lab File: VL040771.D

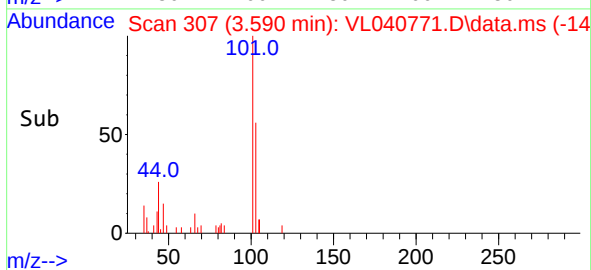
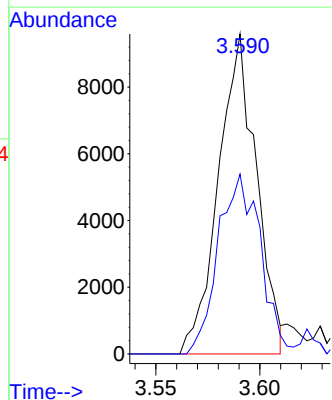
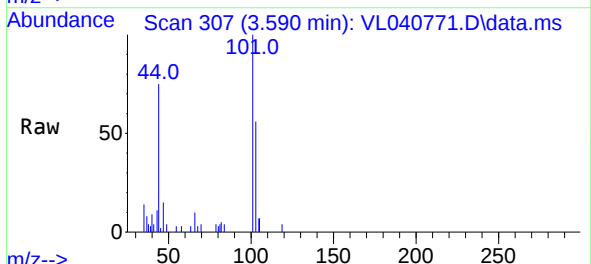
Acq: 12 Oct 2023 1:11

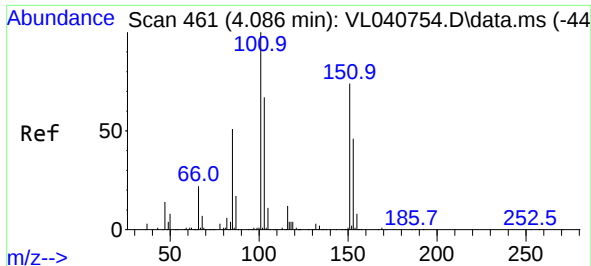
Tgt Ion:101 Resp: 12170

Ion Ratio Lower Upper

101 100

103 56.2 52.2 78.2

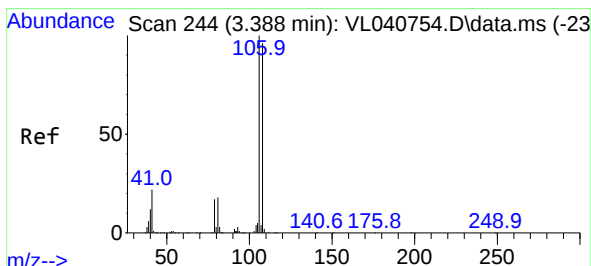
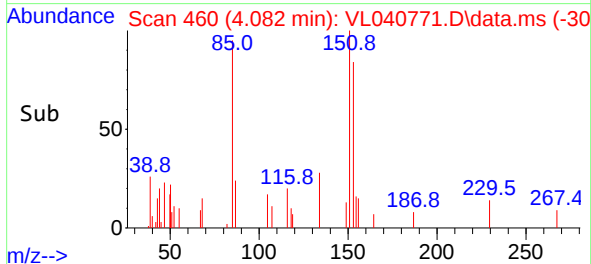
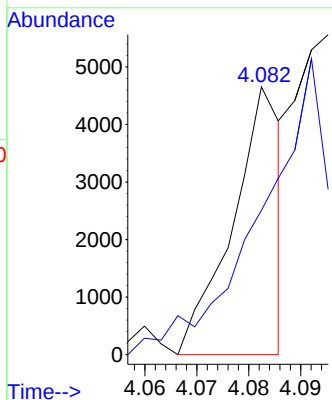
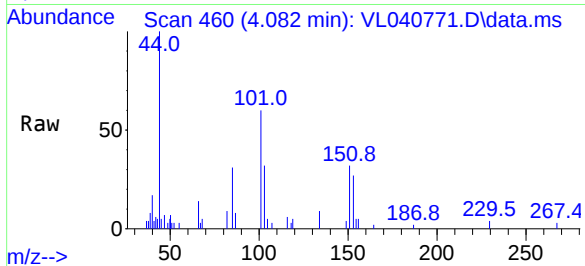




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.033 ppbv
RT: 4.082 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

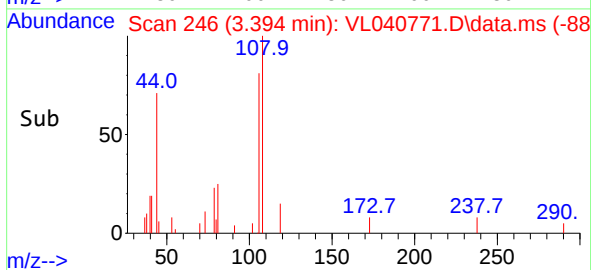
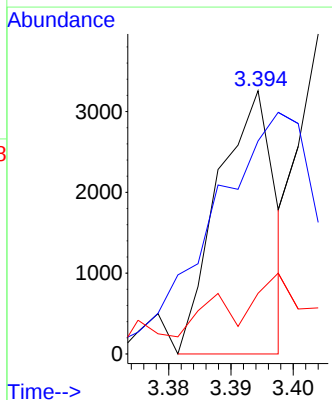
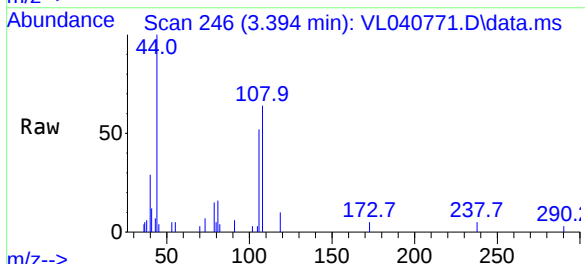
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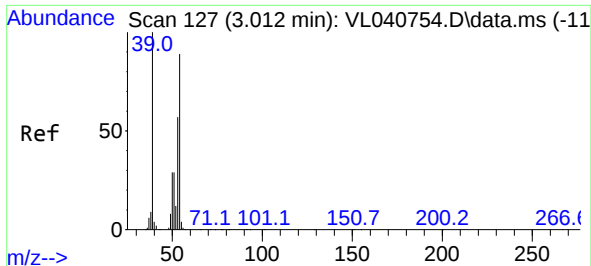
Tgt Ion:101 Resp: 3047
Ion Ratio Lower Upper
101 100
151 0.0 58.1 87.1#



#14
Bromoethene
Concen: 0.052 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:108 Resp: 2073
Ion Ratio Lower Upper
108 100
106 213.7 85.2 127.8#
79 71.7 15.7 23.5#





#16

1,3-Butadiene

Concen: 0.061 ppbv

RT: 3.015 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

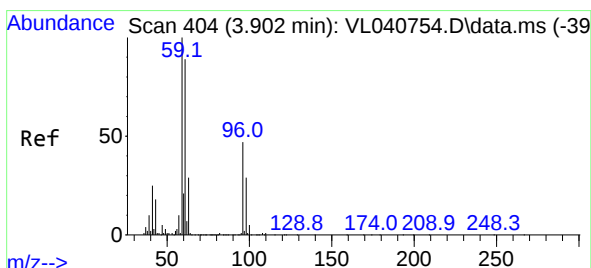
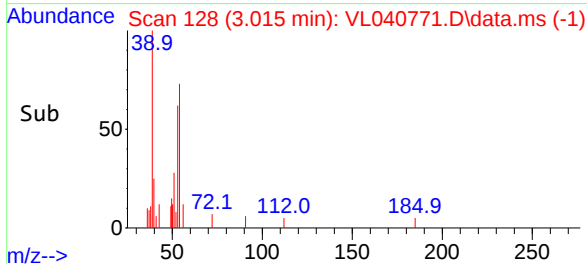
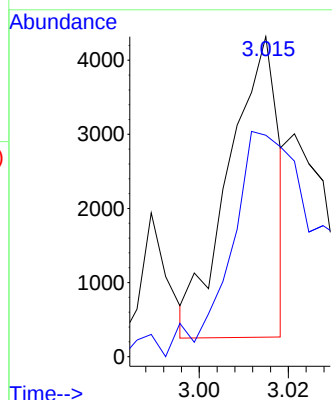
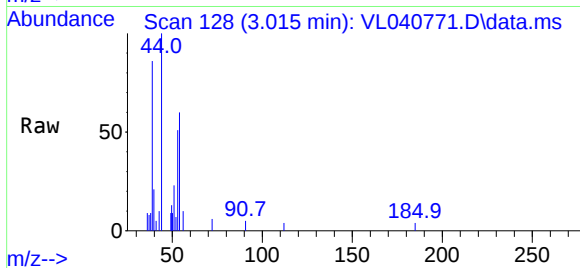
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 39 Resp: 3151

Ion Ratio Lower Upper

39 100

54 149.9 63.0 94.6#



#18

1,1-Dichloroethene

Concen: 0.071 ppbv

RT: 3.902 min Scan# 404

Delta R.T. -0.000 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

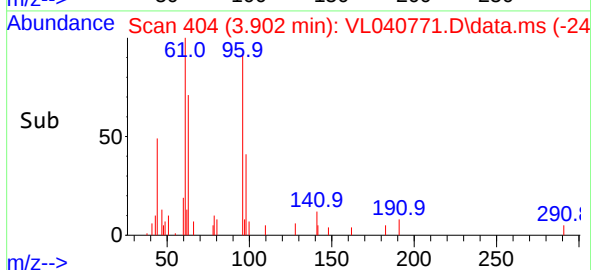
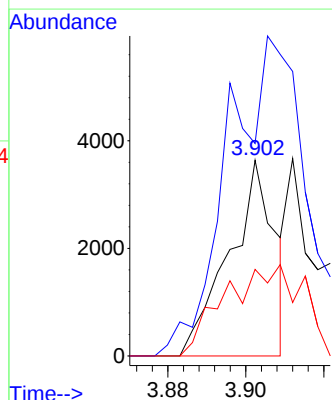
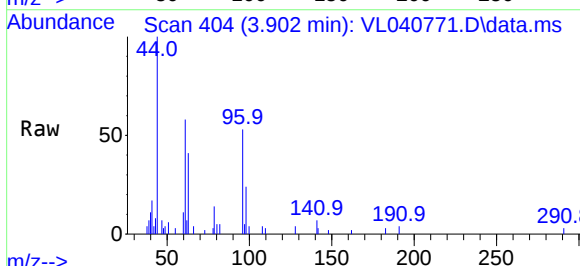
Tgt Ion: 96 Resp: 2947

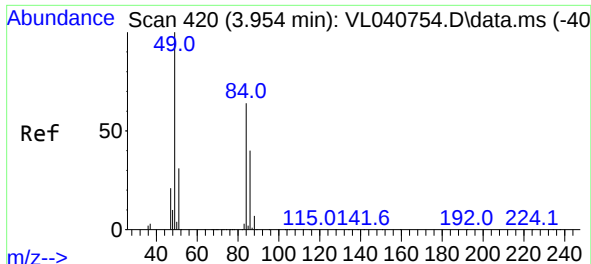
Ion Ratio Lower Upper

96 100

61 91.1 152.5 228.7#

98 44.2 49.6 74.4#

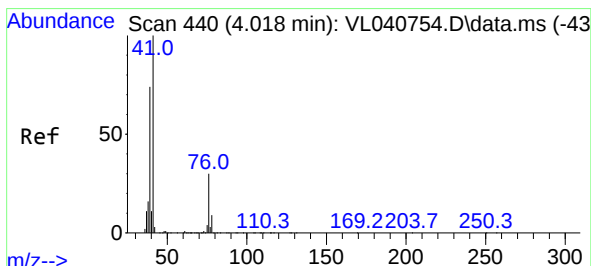
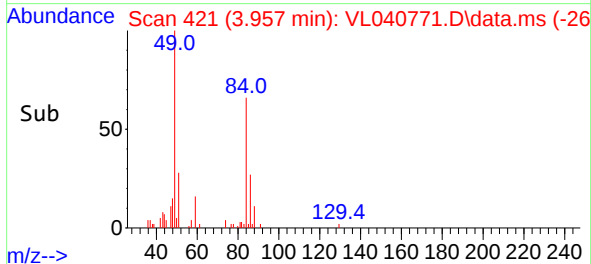
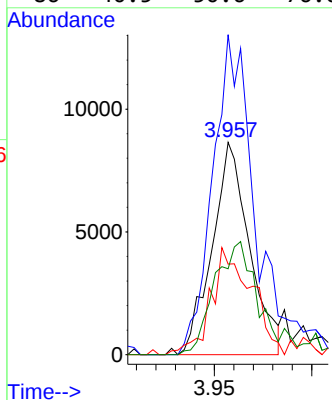
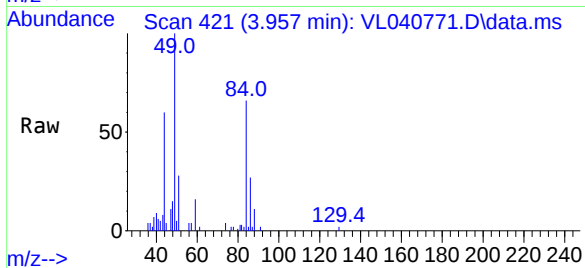




#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

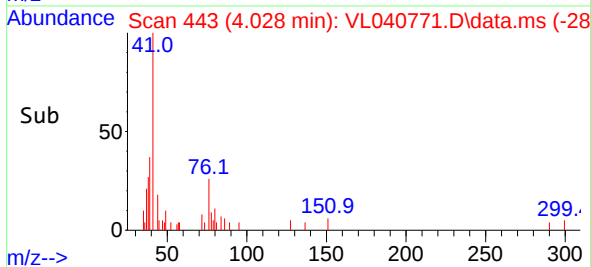
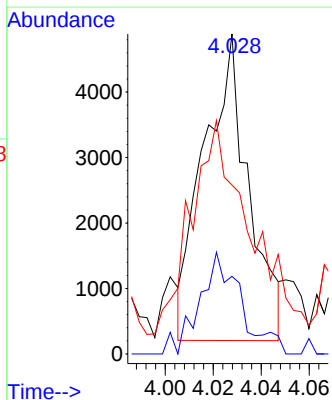
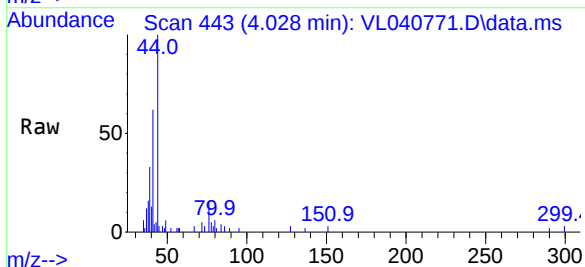
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

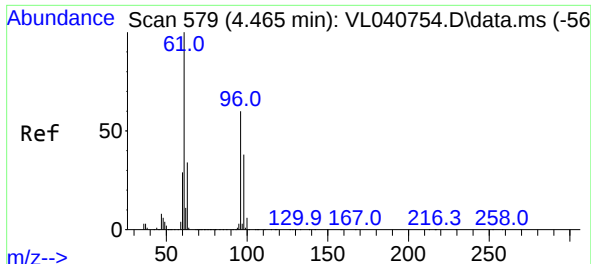
Tgt Ion: 84 Resp: 11521
Ion Ratio Lower Upper
84 100
49 150.7 125.6 188.4
51 40.6 38.9 58.3
86 40.5 50.6 76.0#



#21
Allyl Chloride
Concen: 0.093 ppbv
RT: 4.028 min Scan# 443
Delta R.T. 0.010 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 41 Resp: 6064
Ion Ratio Lower Upper
41 100
76 31.4 24.1 36.1
39 110.5 63.8 95.6#

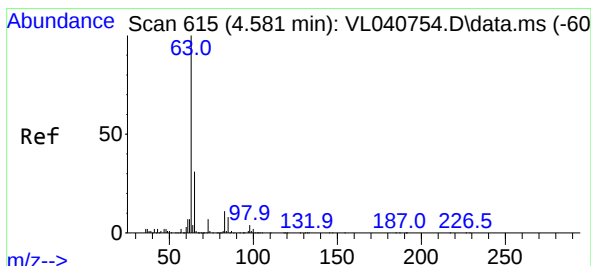
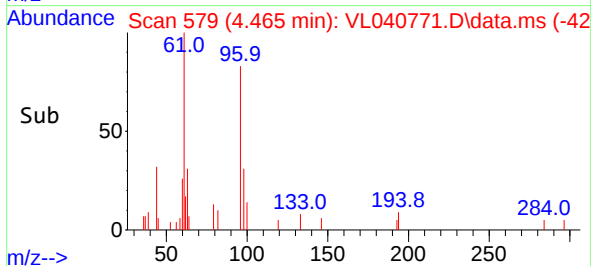
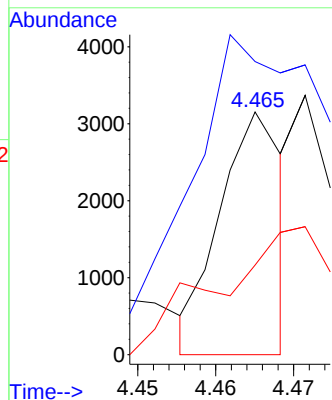
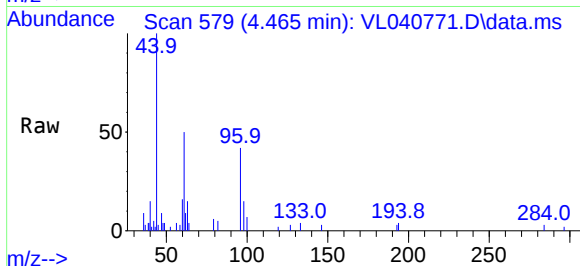




#22
trans-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 4.465 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

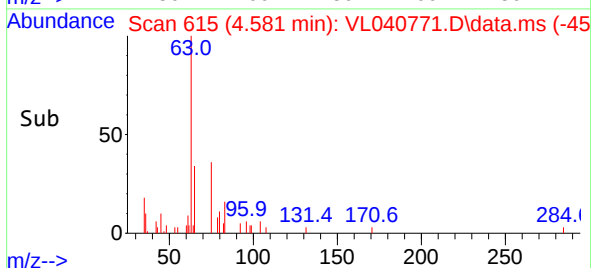
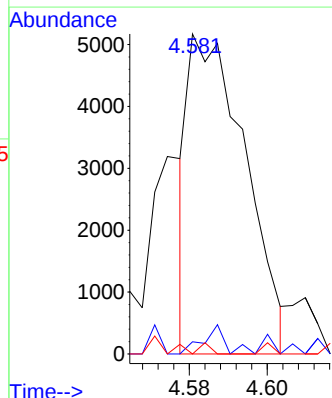
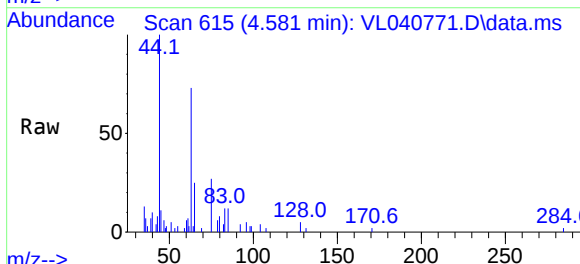
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

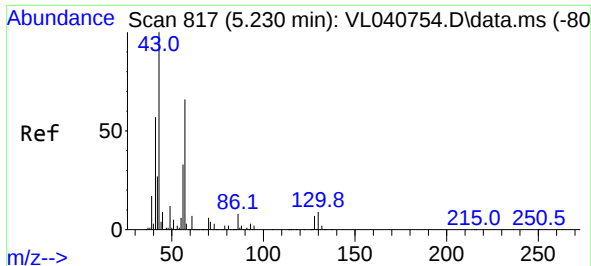
Tgt Ion: 96 Resp: 1788
Ion Ratio Lower Upper
96 100
61 71.0 134.0 201.0#
98 8.7 51.0 76.4#



#24
1,1-Dichloroethane
Concen: 0.055 ppbv
RT: 4.581 min Scan# 615
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 63 Resp: 5223
Ion Ratio Lower Upper
63 100
98 4.5 2.0 5.8
100 0.0 1.3 3.8#

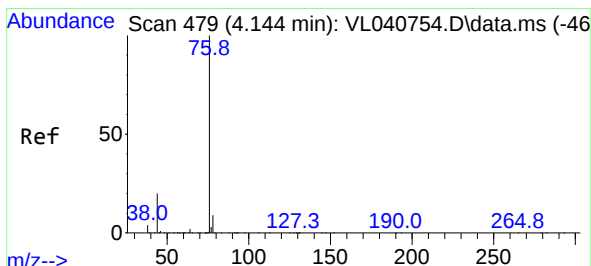
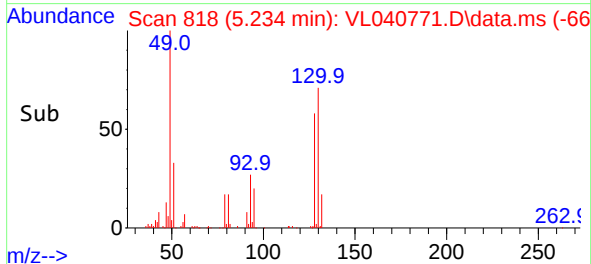
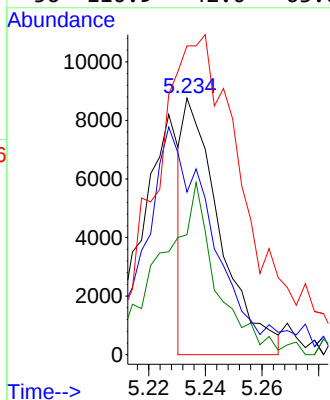
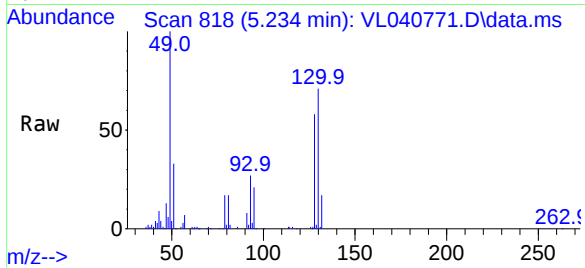




#26
Hexane
Concen: 0.080 ppbv
RT: 5.234 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

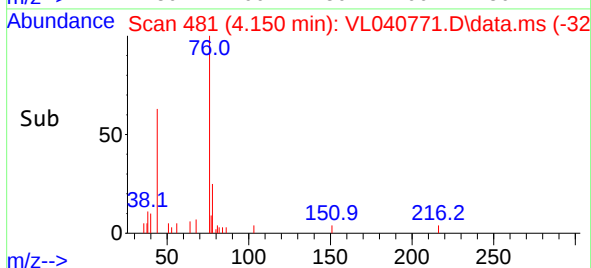
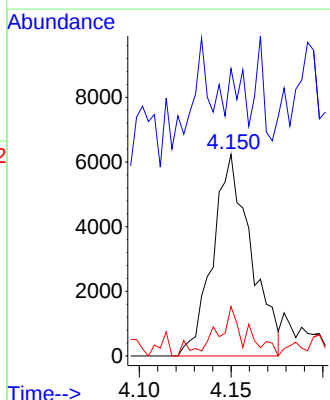
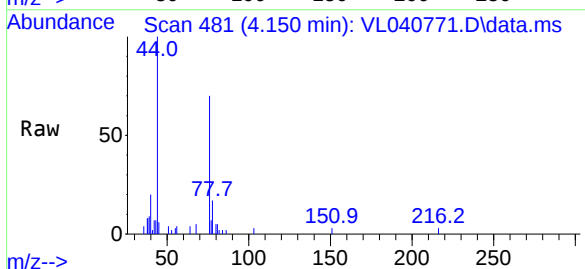
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

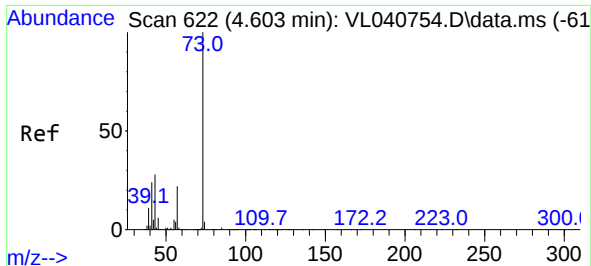
Tgt Ion: 57 Resp: 7853
Ion Ratio Lower Upper
57 100
41 0.0 71.4 107.2#
43 336.4 182.3 273.5#
56 110.9 42.0 63.0#



#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 4.150 min Scan# 481
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 76 Resp: 9027
Ion Ratio Lower Upper
76 100
44 0.0 16.6 25.0#
78 19.3 7.8 11.6#

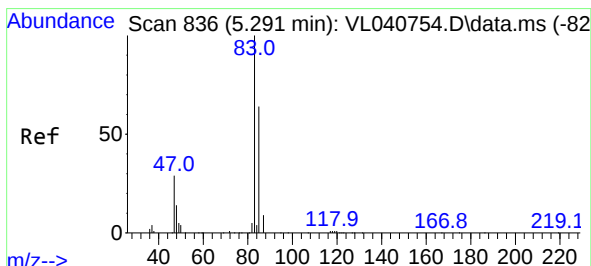
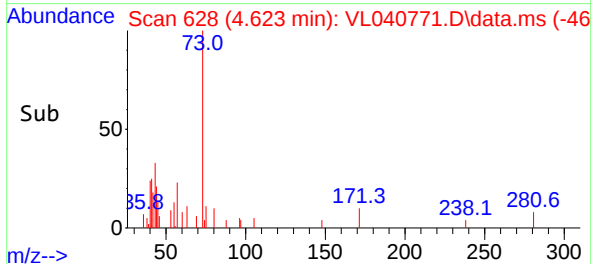
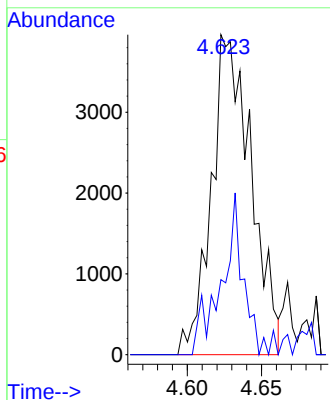
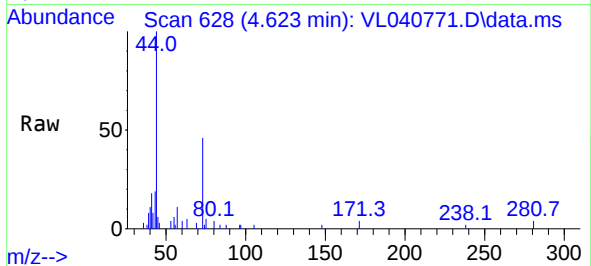




#28
Methyl tert-Butyl Ether
Concen: 0.096 ppbv
RT: 4.623 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

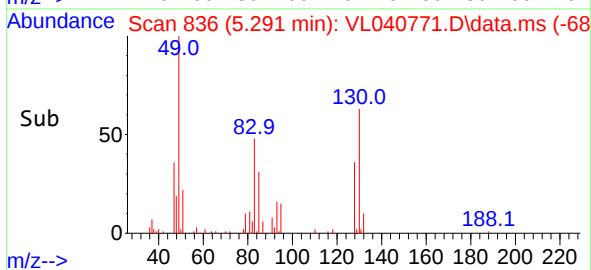
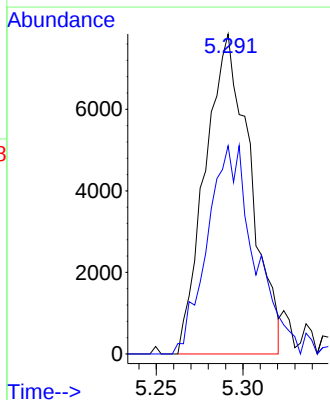
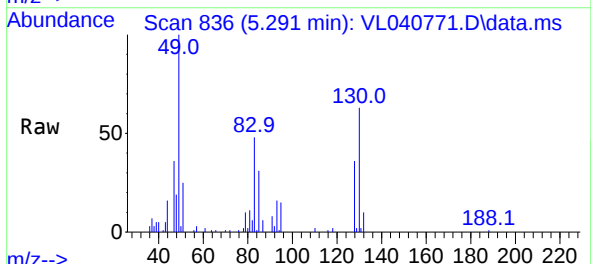
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

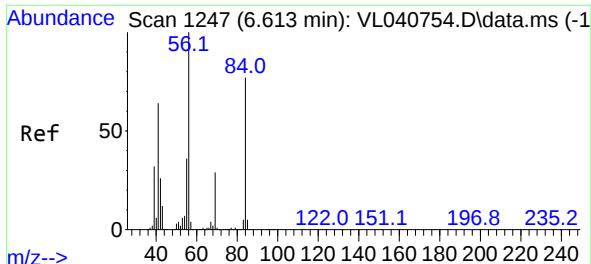
Tgt Ion: 73 Resp: 7382
Ion Ratio Lower Upper
73 100
57 27.7 18.9 28.3



#29
Chloroform
Concen: 0.099 ppbv
RT: 5.291 min Scan# 836
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 83 Resp: 14157
Ion Ratio Lower Upper
83 100
85 61.8 51.3 76.9

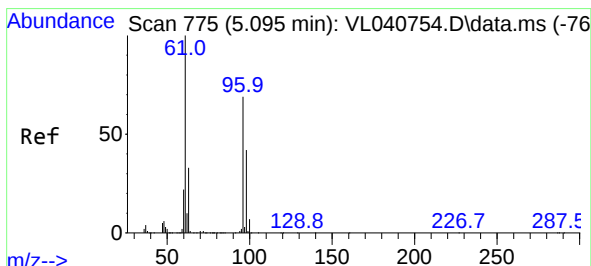
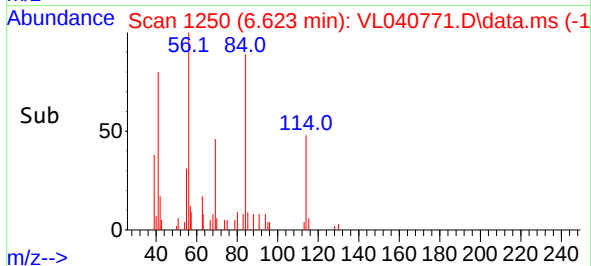
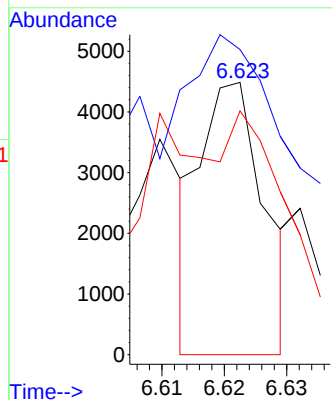
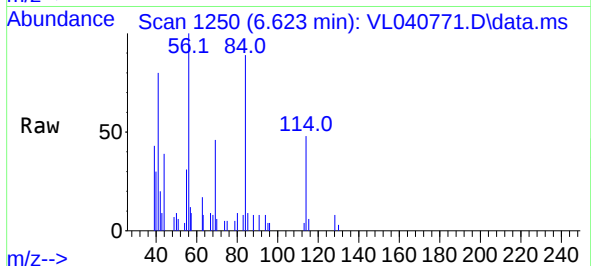




#30
Cyclohexane
Concen: 0.038 ppbv
RT: 6.623 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

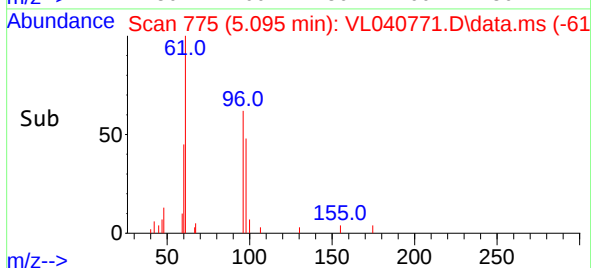
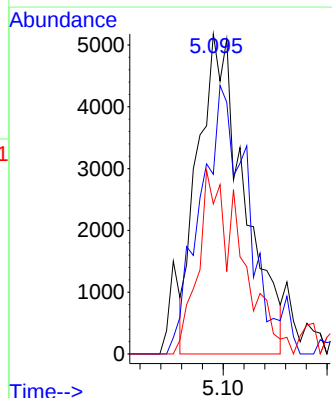
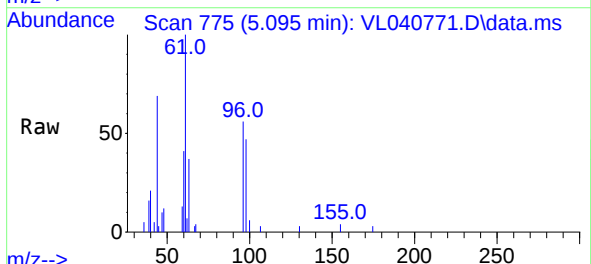
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

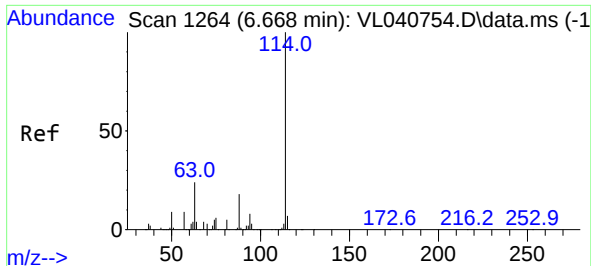
Tgt Ion: 84 Resp: 3190
Ion Ratio Lower Upper
84 100
56 0.0 110.3 165.5#
41 254.8 67.4 101.2#



#31
cis-1,2-Dichloroethene
Concen: 0.088 ppbv
RT: 5.095 min Scan# 775
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 61 Resp: 7977
Ion Ratio Lower Upper
61 100
96 54.0 55.1 82.7#
98 50.3 33.5 50.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

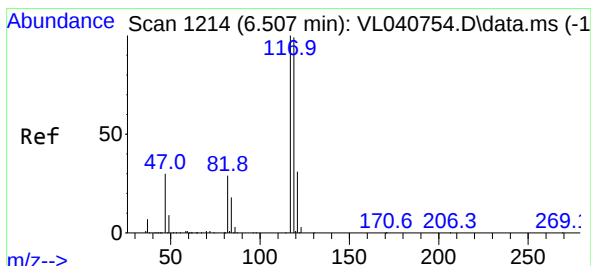
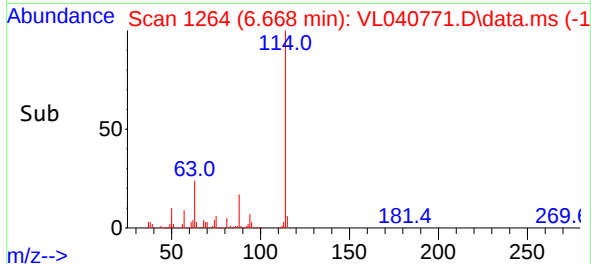
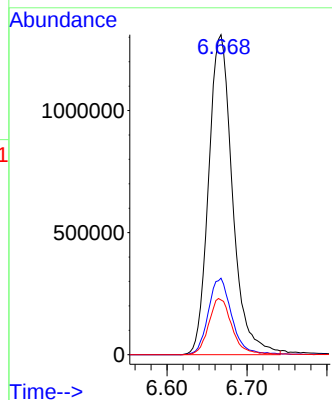
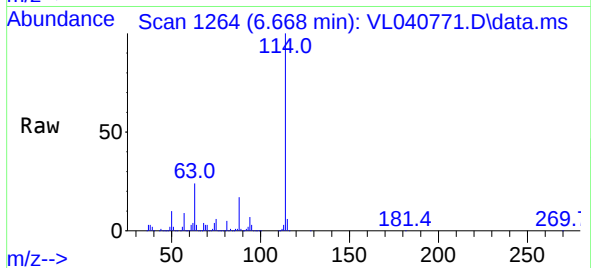
Tgt Ion:114 Resp: 2717765

Ion Ratio Lower Upper

114 100

63 23.8 19.8 29.6

88 17.4 14.2 21.2



#35

Carbon Tetrachloride

Concen: 0.060 ppbv

RT: 6.510 min Scan# 1215

Delta R.T. 0.003 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

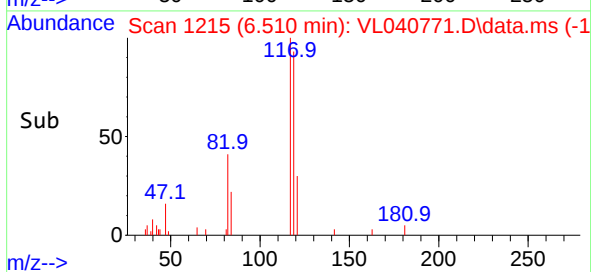
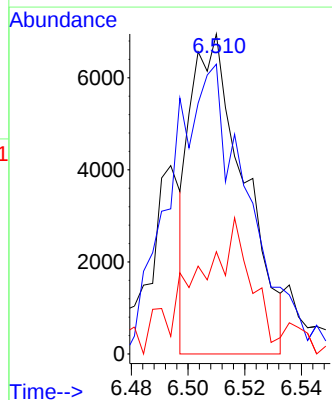
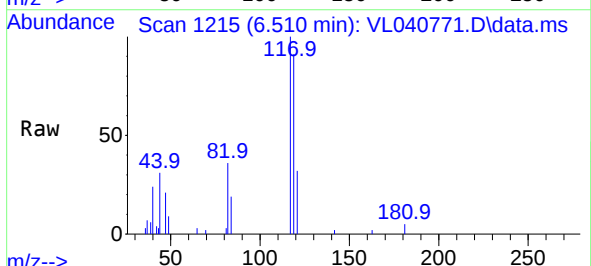
Tgt Ion:117 Resp: 9077

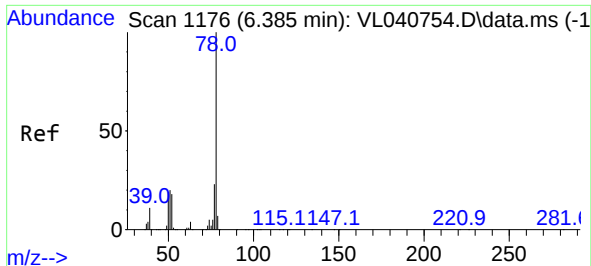
Ion Ratio Lower Upper

117 100

119 86.0 79.4 119.0

121 33.1 25.0 37.4

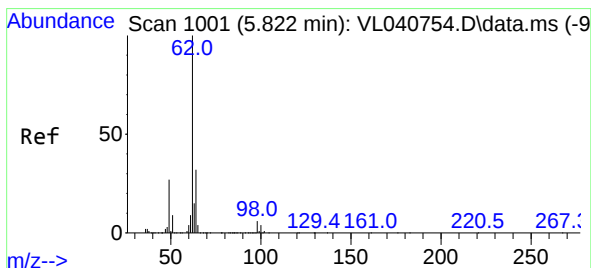
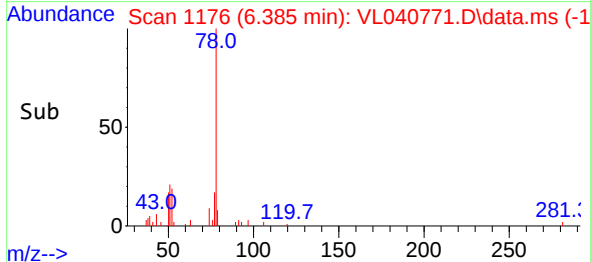
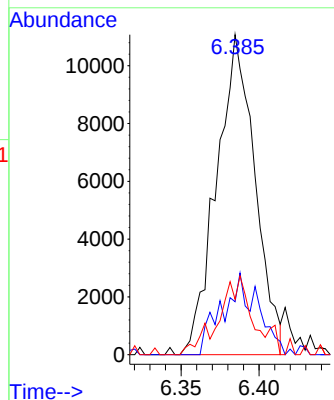
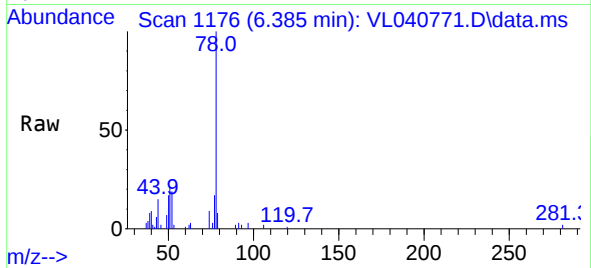




#36
Benzene
Concen: 0.091 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

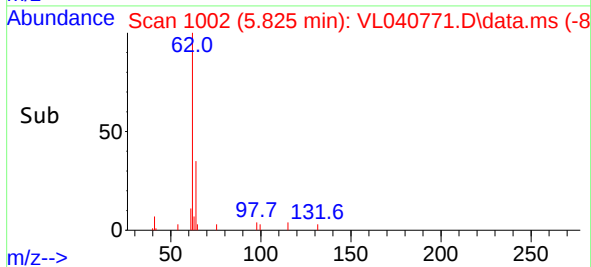
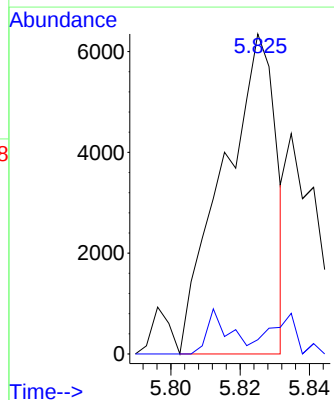
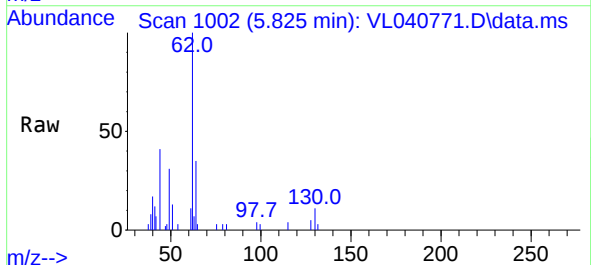
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023

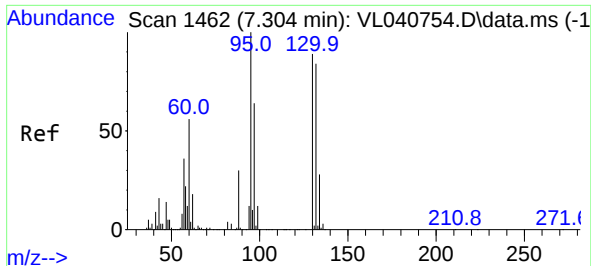
Tgt Ion: 78 Resp: 18980
Ion Ratio Lower Upper
78 100
77 15.7 18.4 27.6#
50 16.4 15.0 22.4



#37
1,2-Dichloroethane
Concen: 0.063 ppbv
RT: 5.825 min Scan# 1002
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 62 Resp: 6745
Ion Ratio Lower Upper
62 100
98 14.8 5.4 8.0#



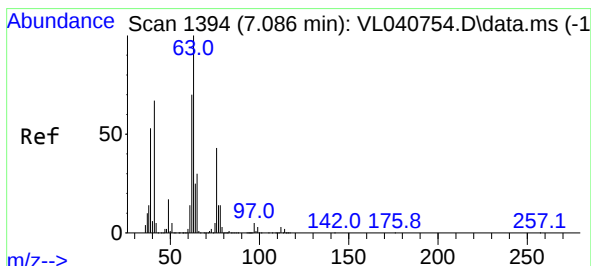
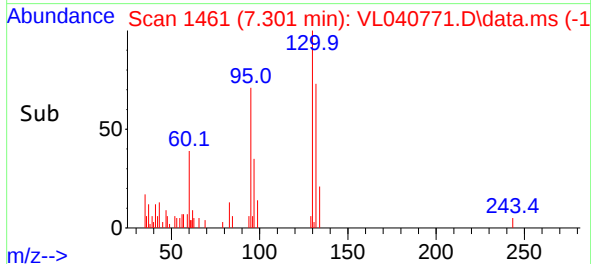
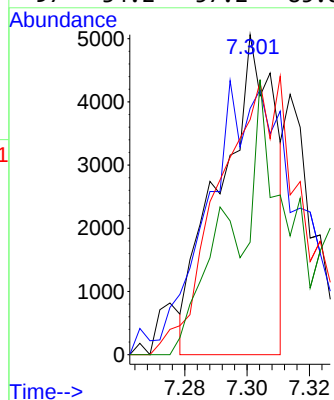
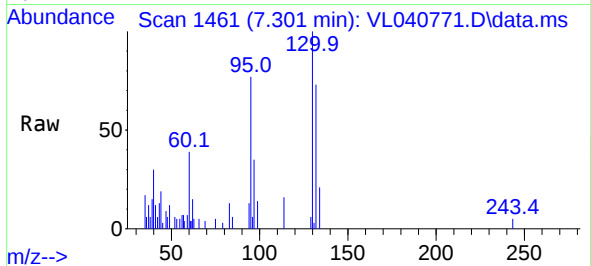


#38
Trichloroethene
Concen: 0.067 ppbv
RT: 7.301 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 130 Resp: 6215

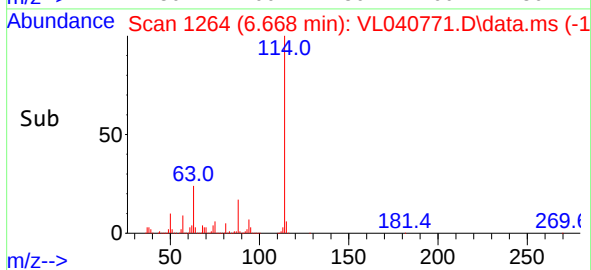
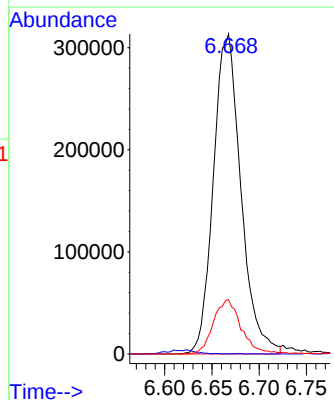
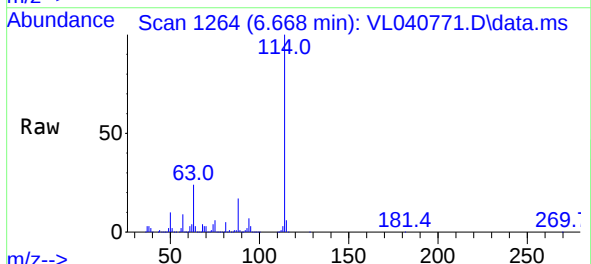
Ion	Ratio	Lower	Upper
130	100		
95	66.5	89.4	134.2#
132	73.8	74.8	112.2#
97	34.2	57.2	85.8#

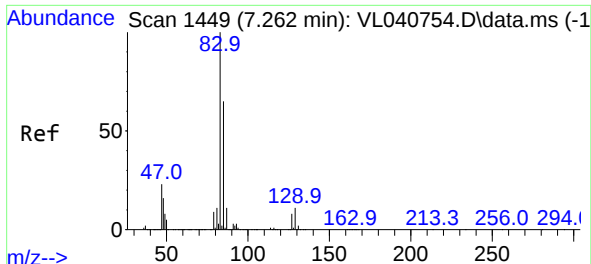


#39
1,2-Dichloropropane
Concen: 7.764 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. -0.418 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 63 Resp: 634067

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.7	80.5#
62	16.9	55.7	83.5#





#42

Bromodichloromethane

Concen: 0.052 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

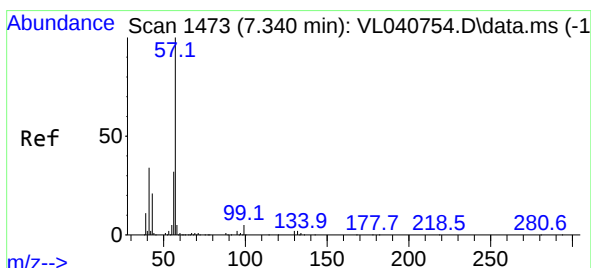
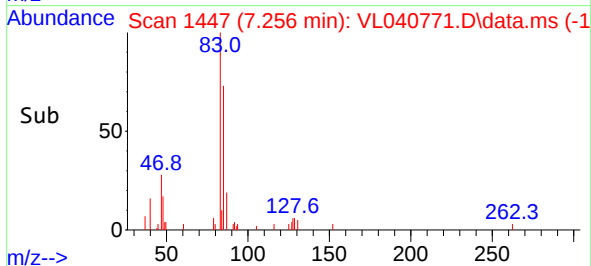
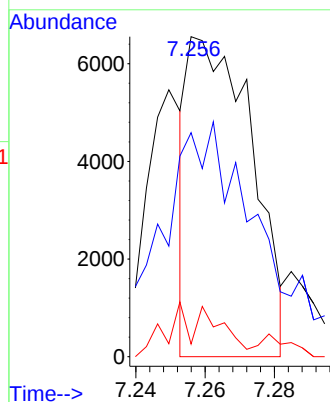
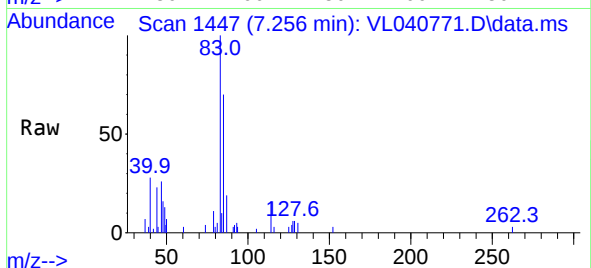
Tgt Ion: 83 Resp: 8398

Ion Ratio Lower Upper

83 100

85 63.7 52.1 78.1

127 7.9 6.7 10.1



#44

2,2,4-Trimethylpentane

Concen: 0.090 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. -0.003 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

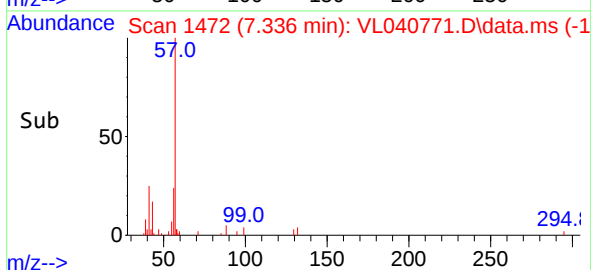
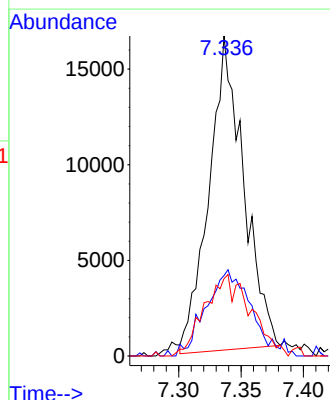
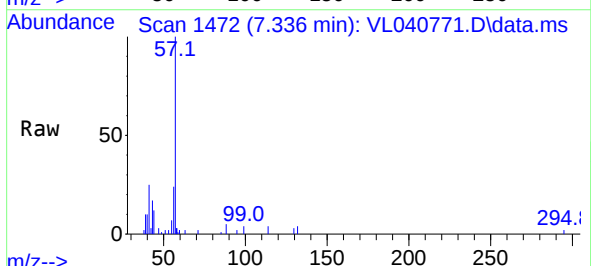
Tgt Ion: 57 Resp: 31856

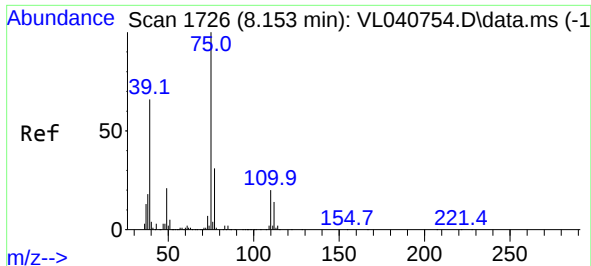
Ion Ratio Lower Upper

57 100

41 36.0 27.4 41.0

56 35.1 25.0 37.6

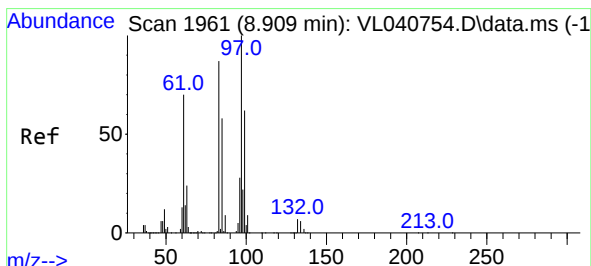
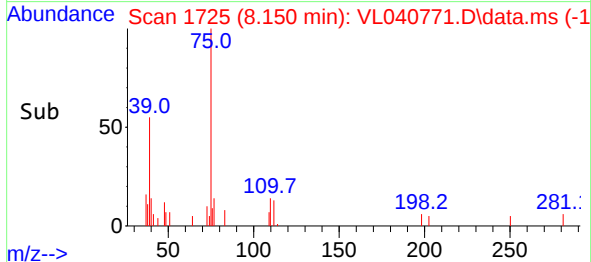
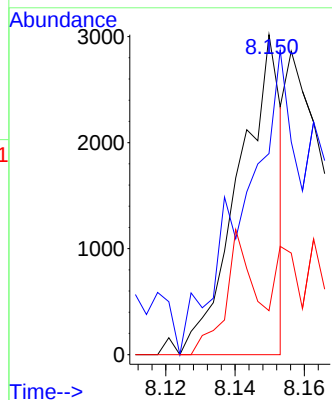
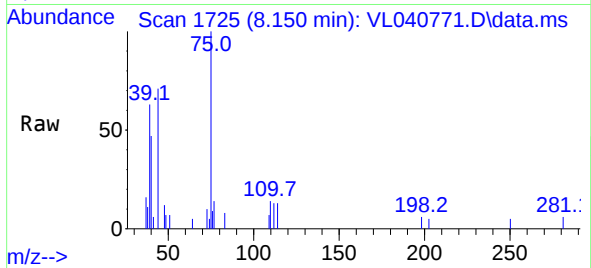




#46
 cis-1,3-Dichloropropene
 Concen: 0.031 ppbv
 RT: 8.150 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

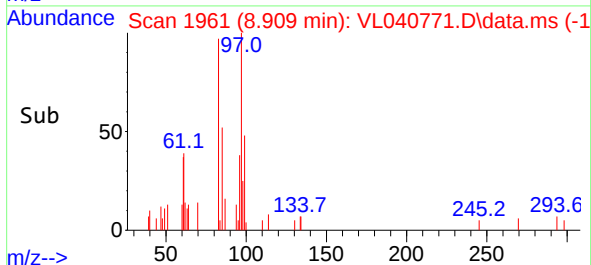
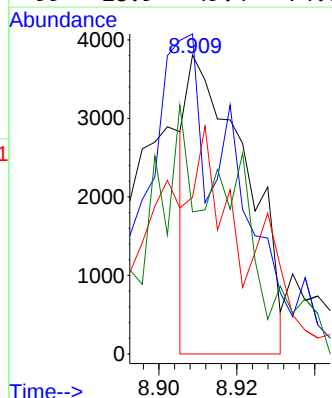
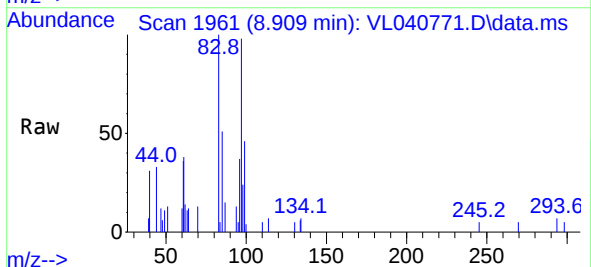
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

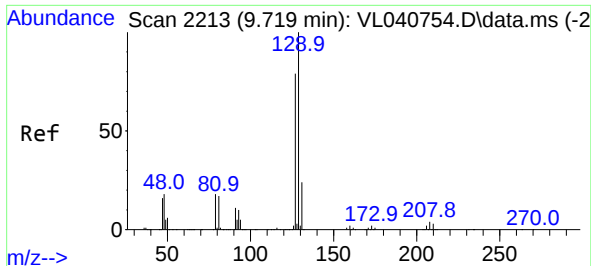
Tgt Ion: 75 Resp: 2545
 Ion Ratio Lower Upper
 75 100
 39 62.8 52.4 78.6
 77 13.8 25.1 37.7#



#47
 1,1,2-Trichloroethane
 Concen: 0.046 ppbv
 RT: 8.909 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

Tgt Ion: 97 Resp: 3941
 Ion Ratio Lower Upper
 97 100
 83 100.6 69.5 104.3
 85 26.8 46.6 69.8#
 99 28.9 49.4 74.0#

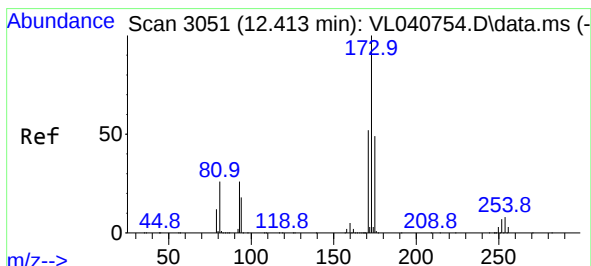
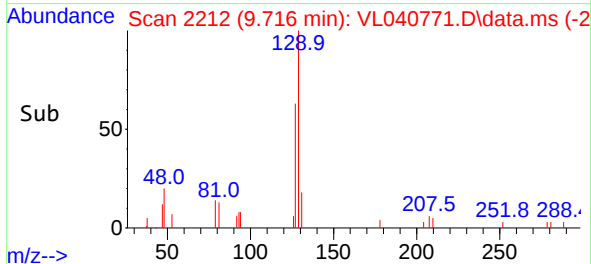
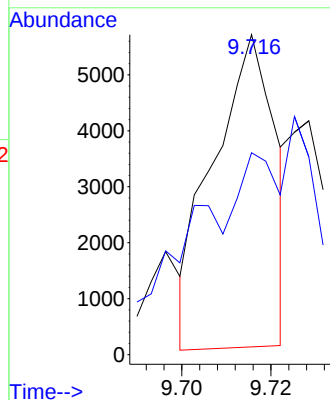
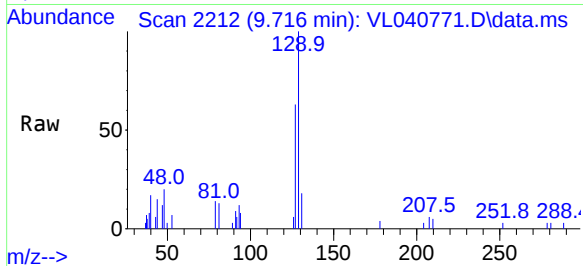




#48
Dibromochloromethane
Concen: 0.037 ppbv
RT: 9.716 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

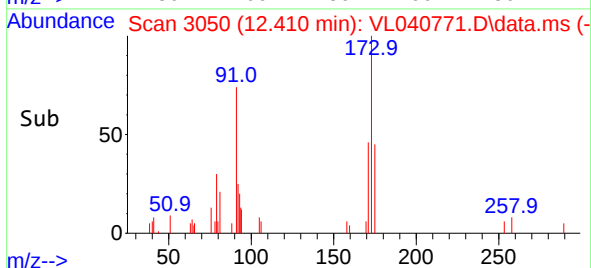
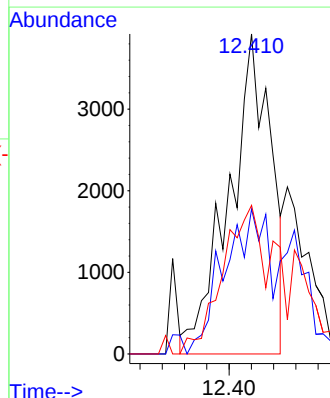
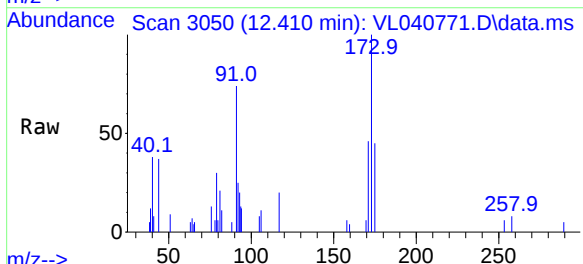
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

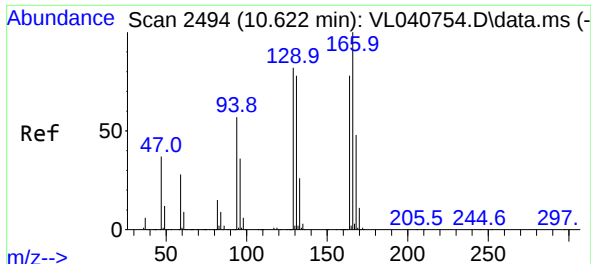
Tgt Ion:129 Resp: 5380
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#



#49
Bromoform
Concen: 0.043 ppbv
RT: 12.410 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:173 Resp: 5081
Ion Ratio Lower Upper
173 100
175 75.7 39.2 58.8#
171 76.0 42.0 63.0#

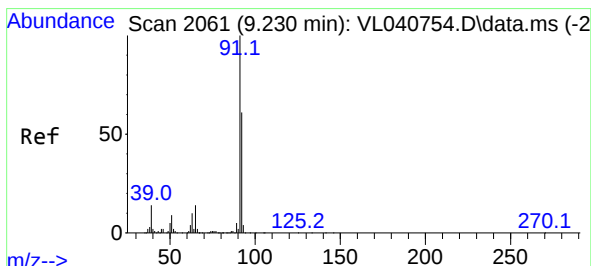
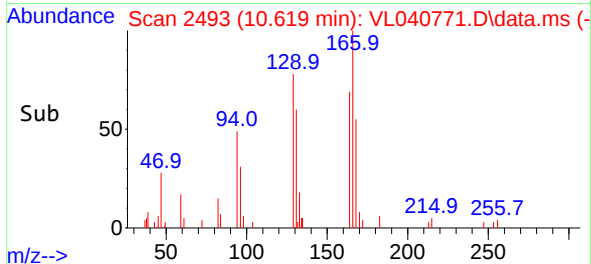
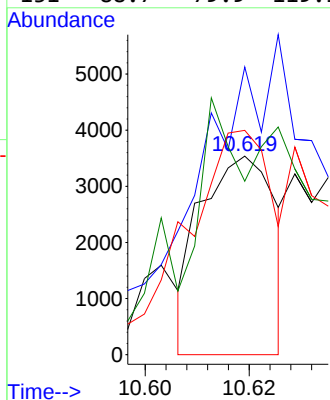
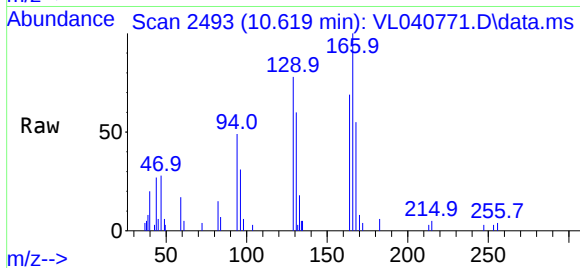




#52
Tetrachloroethene
Concen: 0.041 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

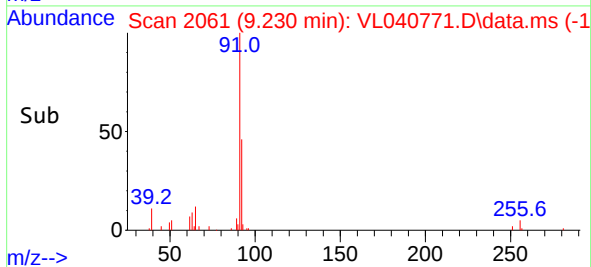
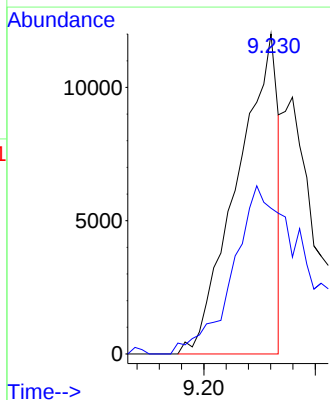
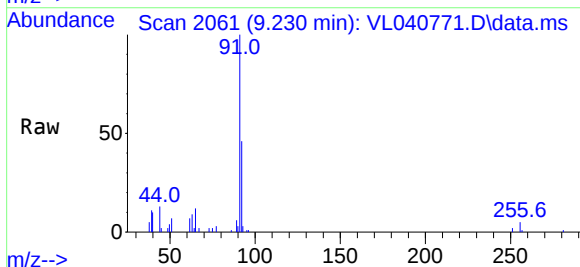
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023

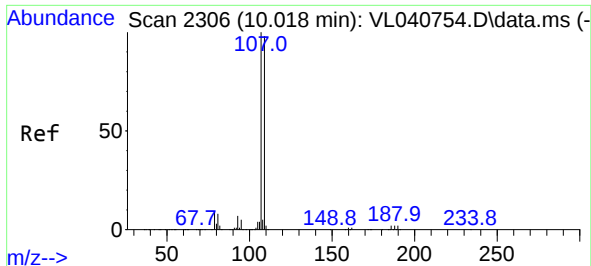
Tgt Ion:164 Resp: 3514
Ion Ratio Lower Upper
164 100
166 122.0 102.4 153.6
129 71.4 84.2 126.4#
131 88.7 79.9 119.9



#53
Toluene
Concen: 0.061 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 91 Resp: 15249
Ion Ratio Lower Upper
91 100
92 92.3 50.2 75.2#

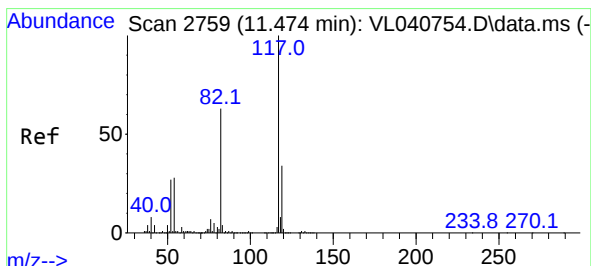
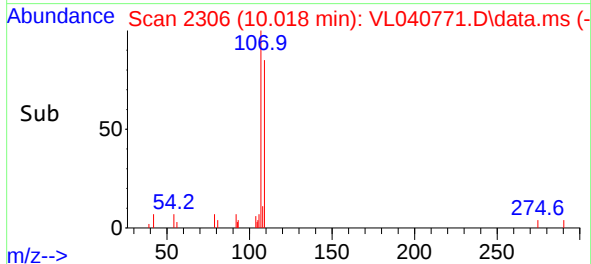
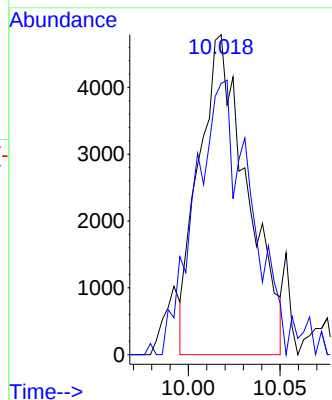
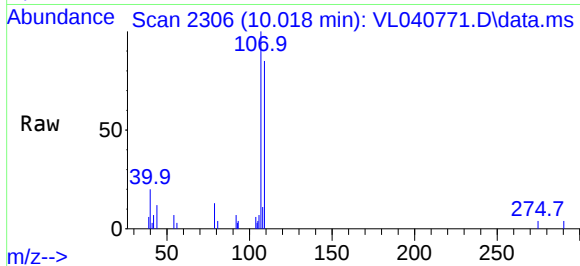




#54
1,2-Dibromoethane
Concen: 0.073 ppbv
RT: 10.018 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

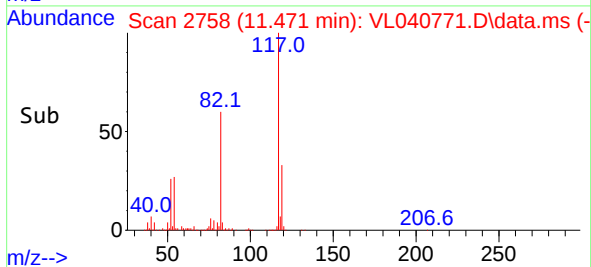
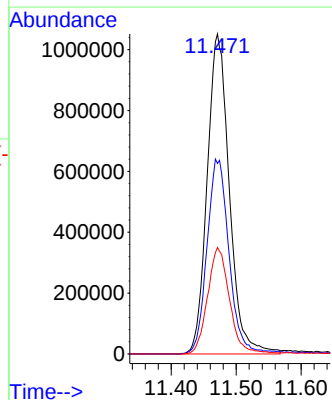
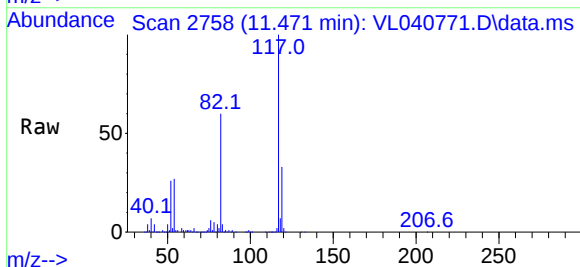
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

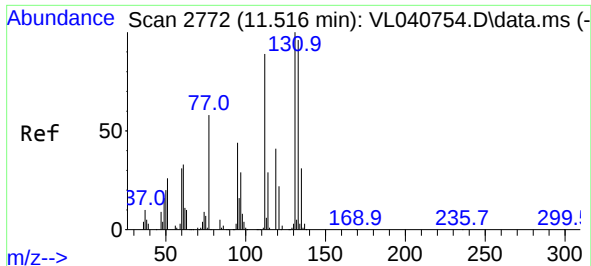
Tgt Ion:107 Resp: 8771
Ion Ratio Lower Upper
107 100
109 82.2 78.2 117.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:117 Resp: 2494680
Ion Ratio Lower Upper
117 100
82 61.6 46.6 70.0
119 32.9 26.0 39.0

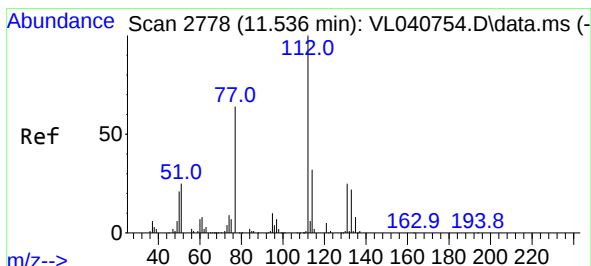
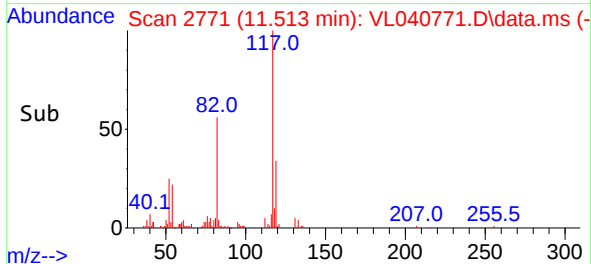
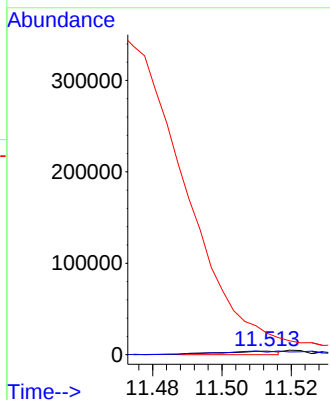
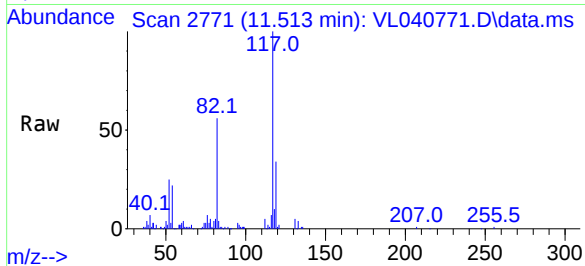




#56
1,1,1,2-Tetrachloroethane
Concen: 0.044 ppbv
RT: 11.513 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

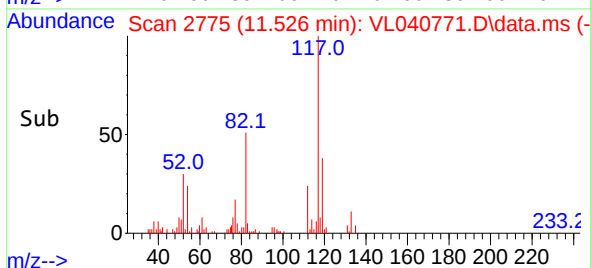
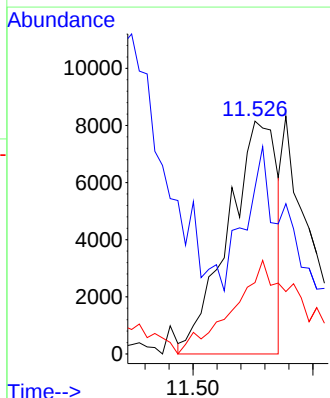
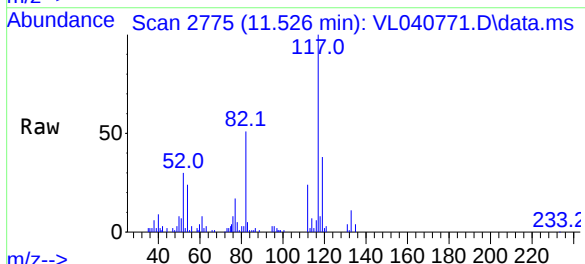
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

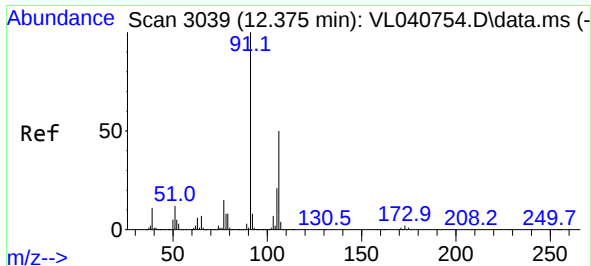
Tgt Ion:131 Resp: 4455
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6#
119 0.0 45.4 68.0#



#57
Chlorobenzene
Concen: 0.064 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. -0.010 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:112 Resp: 11511
Ion Ratio Lower Upper
112 100
77 16.9 51.9 77.9#
114 33.3 28.6 35.0

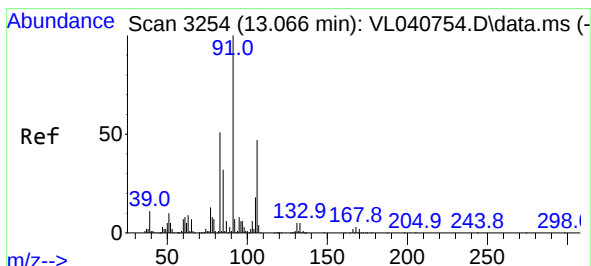
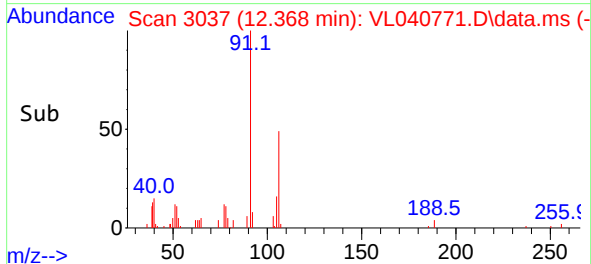
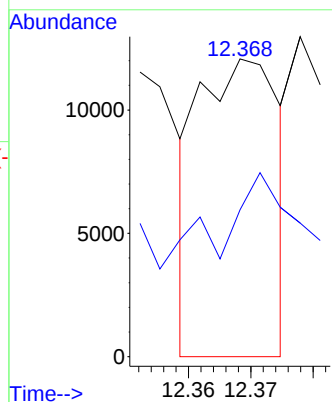
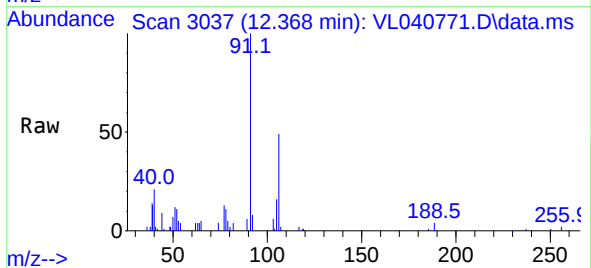




#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 12.368 min Scan# 3039
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

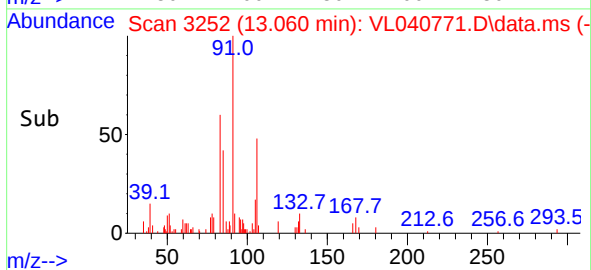
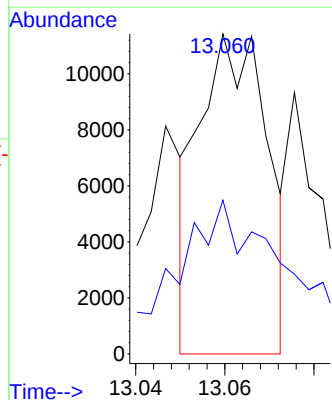
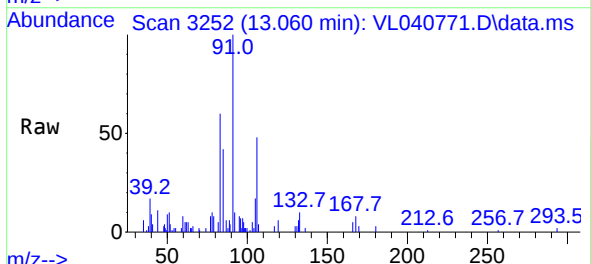
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

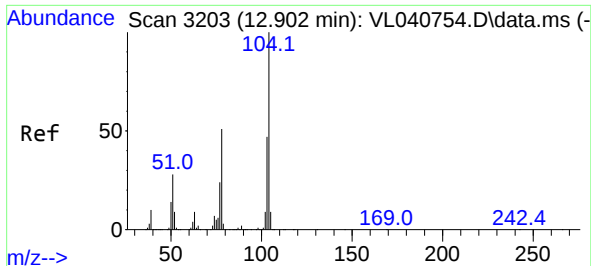
Tgt Ion: 91 Resp: 10724
Ion Ratio Lower Upper
91 100
106 212.2 37.7 56.5#



#60
o-Xylene
Concen: 0.049 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 91 Resp: 12043
Ion Ratio Lower Upper
91 100
106 91.1 23.5 70.5#

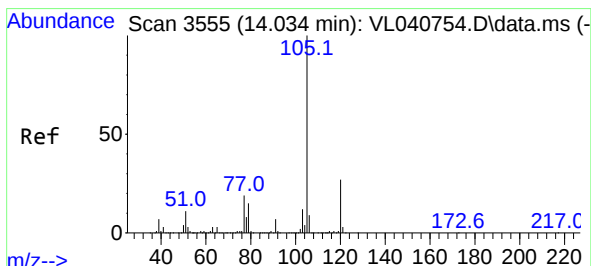
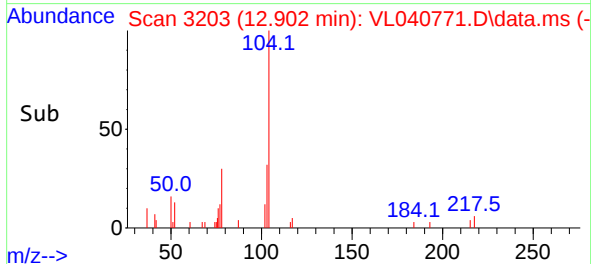
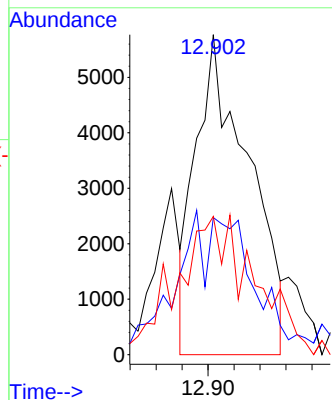
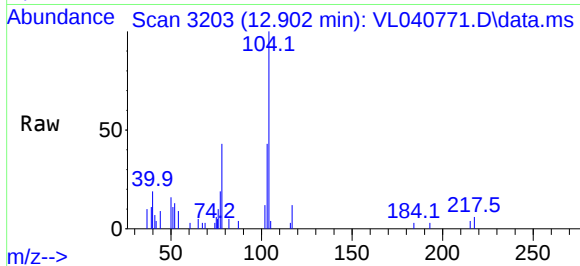




#61
Styrene
Concen: 0.060 ppbv
RT: 12.902 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

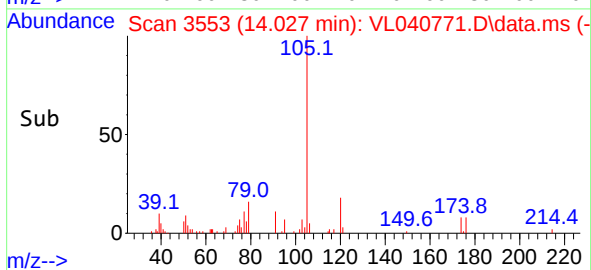
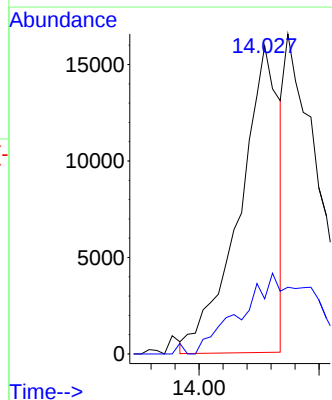
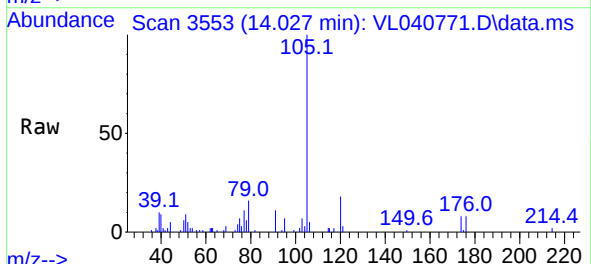
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

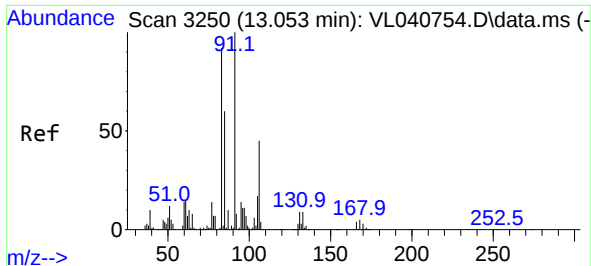
Tgt Ion:104 Resp: 8169
Ion Ratio Lower Upper
104 100
78 68.5 39.8 59.6#
103 64.5 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.048 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:105 Resp: 18376
Ion Ratio Lower Upper
105 100
120 51.9 21.5 32.3#

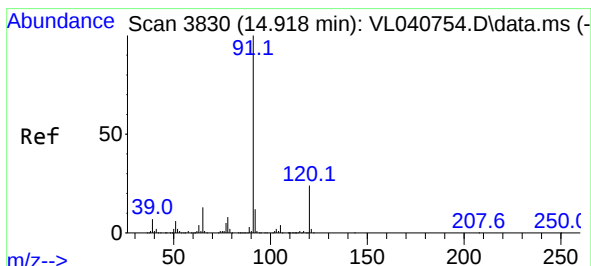
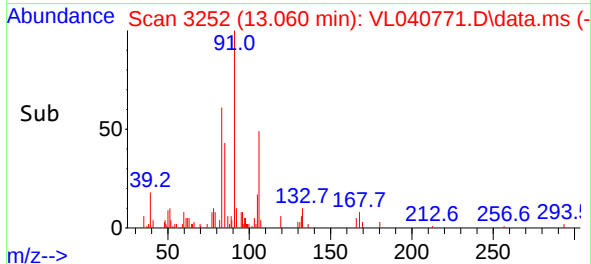
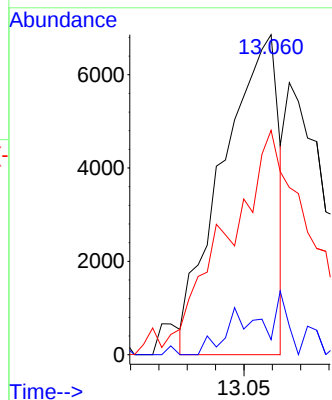
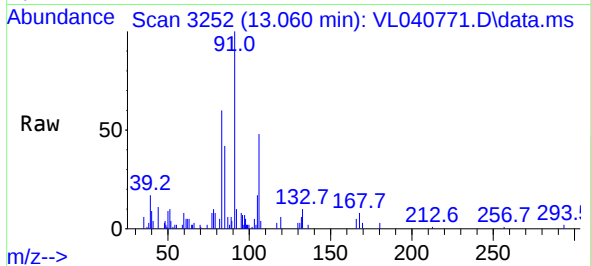




#63
1,1,2,2-Tetrachloroethane
Concen: 0.051 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

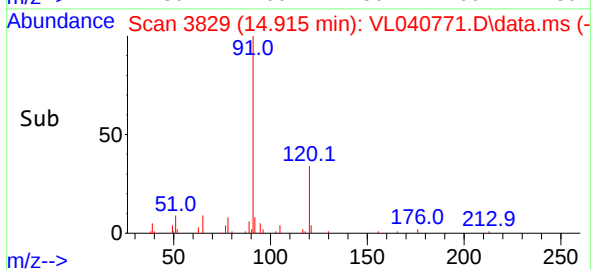
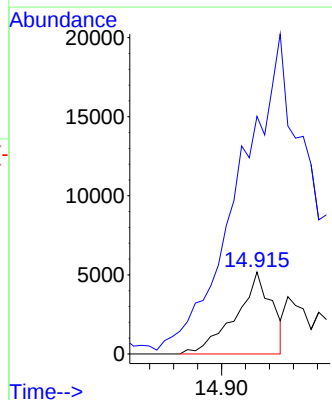
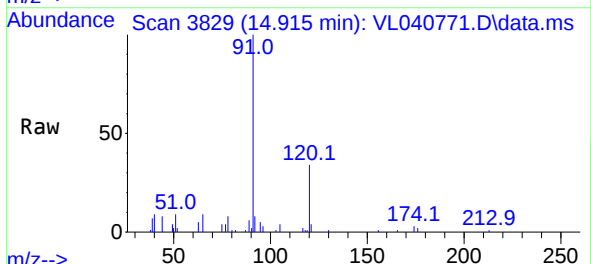
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

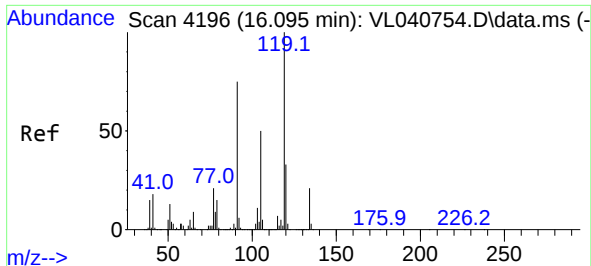
Tgt Ion: 83 Resp: 9397
Ion Ratio Lower Upper
83 100
131 13.3 4.9 14.6
85 121.1 32.9 98.7#



#64
n-propylbenzene
Concen: 0.053 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 120 Resp: 5427
Ion Ratio Lower Upper
120 100
91 503.7 345.9 518.9

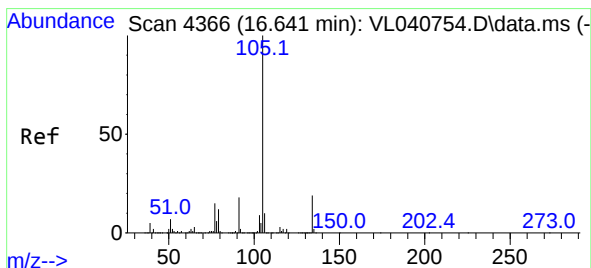
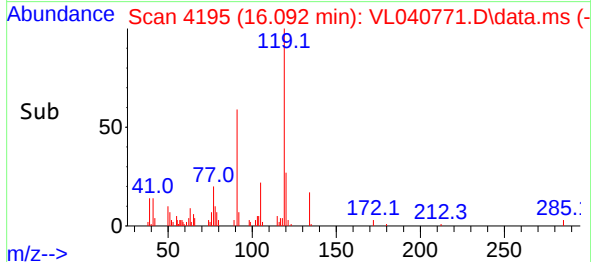
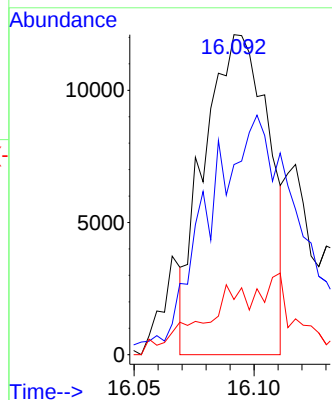
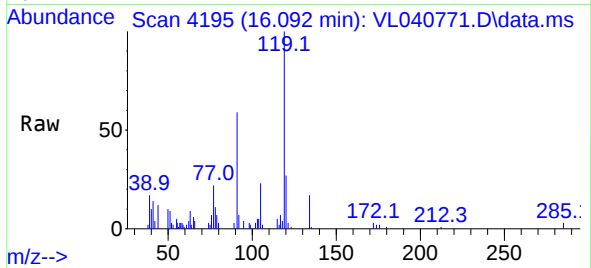




#65
tert-Butylbenzene
Concen: 0.066 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

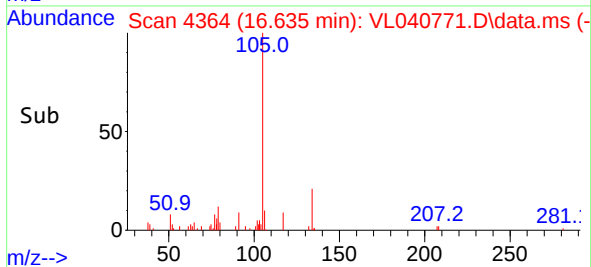
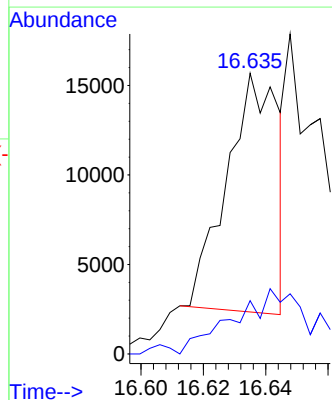
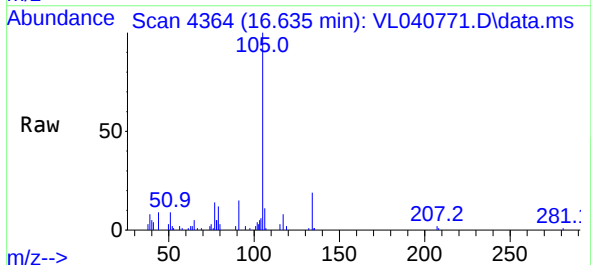
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

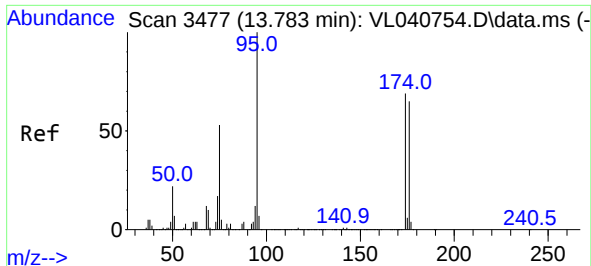
Tgt Ion:119 Resp: 22577
Ion Ratio Lower Upper
119 100
91 0.0 62.2 93.2#
134 0.0 16.1 24.1#



#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 16.635 min Scan# 4364
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:105 Resp: 15175
Ion Ratio Lower Upper
105 100
134 0.0 15.4 23.2#

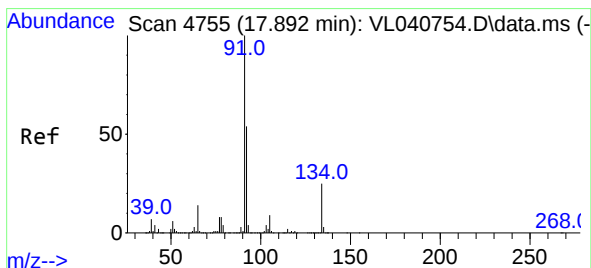
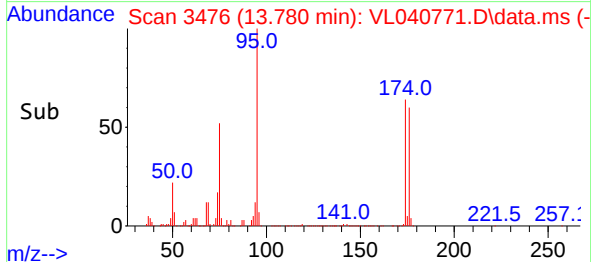
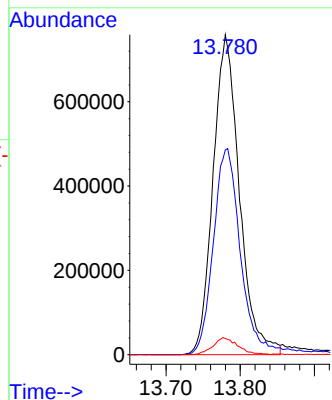
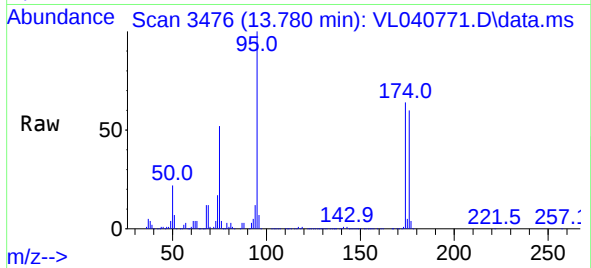




#68
1-Bromo-4-Fluorobenzene
Concen: 10.195 ppbv
RT: 13.780 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

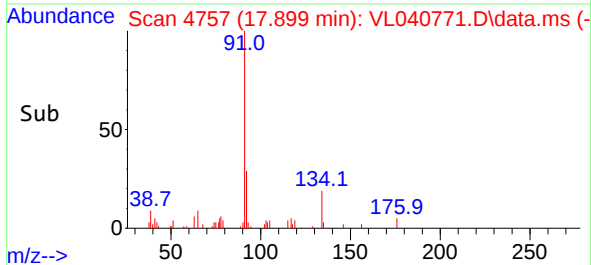
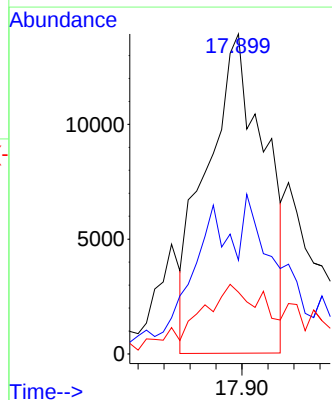
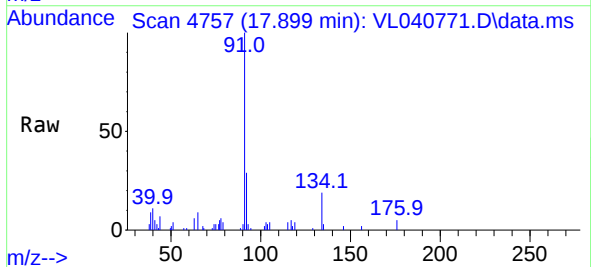
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023

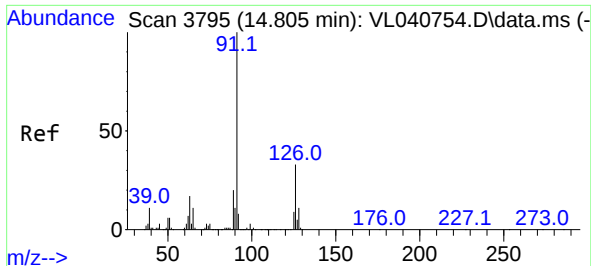
Tgt Ion: 95 Resp: 1871504
Ion Ratio Lower Upper
95 100
174 68.9 54.7 82.1
175 5.1 4.2 6.4



#70
n-Butylbenzene
Concen: 0.056 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 91 Resp: 21579
Ion Ratio Lower Upper
91 100
92 79.4 44.1 66.1#
134 37.5 19.5 29.3#

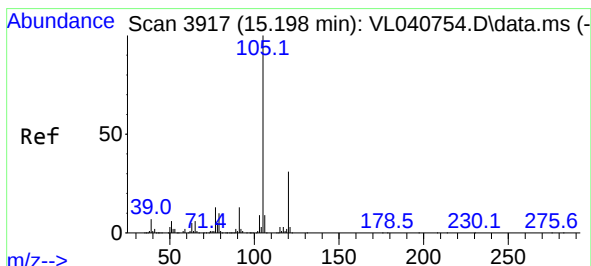
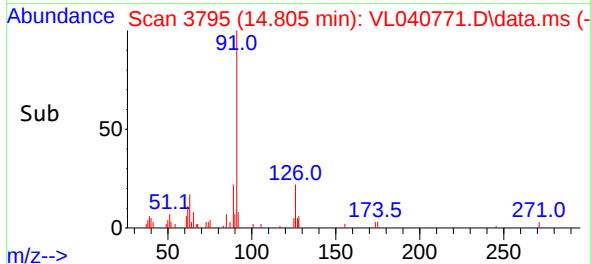
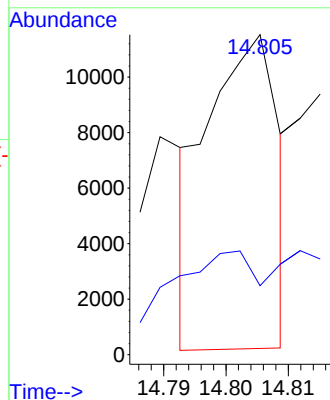
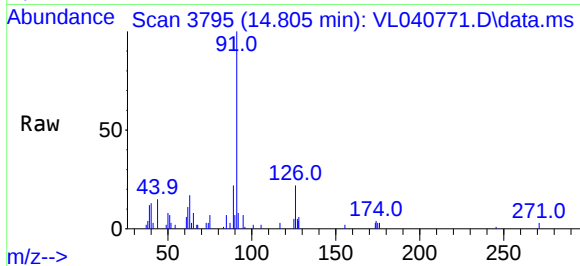




#71
2-Chlorotoluene
Concen: 0.031 ppbv
RT: 14.805 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

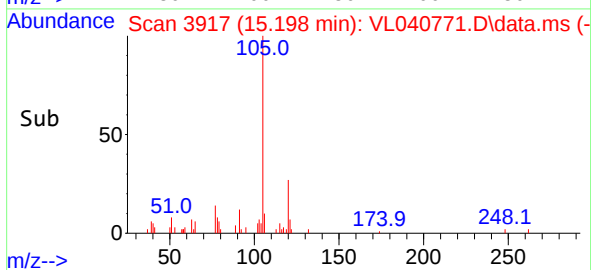
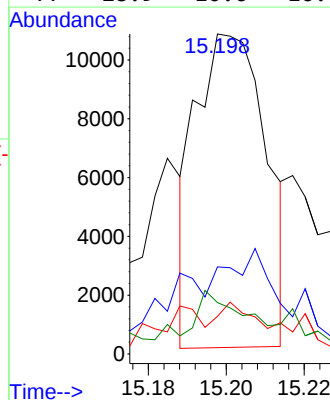
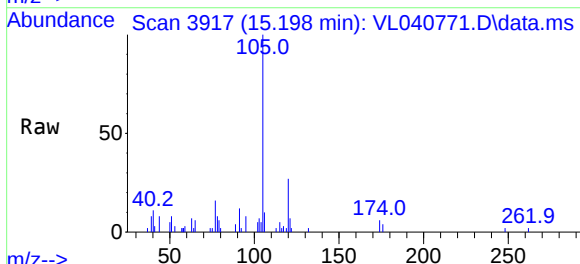
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

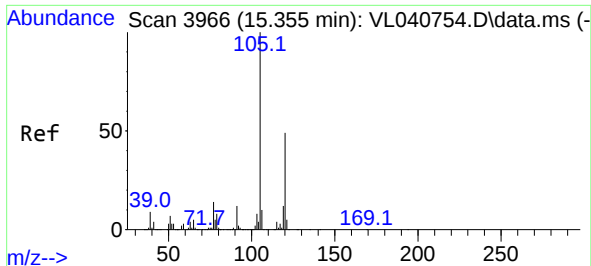
Tgt Ion: 91 Resp: 8900
Ion Ratio Lower Upper
91 100
126 0.0 13.3 53.1#



#72
4-Ethyltoluene
Concen: 0.046 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 105 Resp: 13347
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 30.1 9.8 14.8#
77 28.9 10.6 16.0#

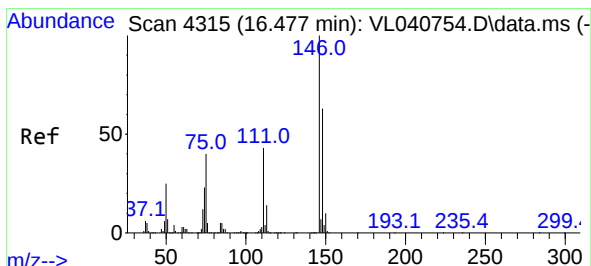
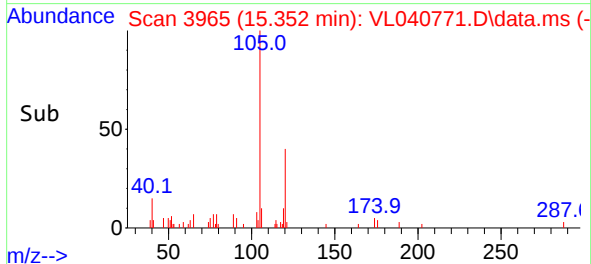
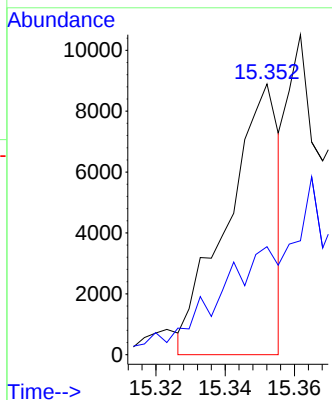
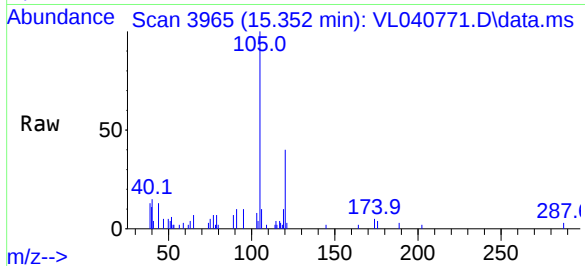




#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 15.352 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion:105 Resp: 9195
Ion Ratio Lower Upper
105 100
120 33.9 39.4 59.2#



#76
1,4-Dichlorobenzene
Concen: 0.038 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:146 Resp: 6570
Ion Ratio Lower Upper
146 100
111 0.0 22.0 66.0#
148 157.6 33.4 100.1#

