

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040210.D
 Acq On : 22 Feb 2023 00:52
 Operator : SY/MD
 Sample : 01627-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

Quant Time: Feb 22 05:10:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	809108	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.652	114	2056286	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.471	117	1858473	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1587438	10.387	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	74939	0.497	ppbv	99
3) Chlorodifluoromethane	2.671	51	45803	0.474	ppbv	100
4) Chloromethane	2.809	50	26902	0.443	ppbv	89
5) Vinyl Chloride	2.912	62	21206	0.435	ppbv	91
6) Bromomethane	3.115	94	7177	0.408	ppbv	99
7) Chloroethane	3.195	64	8054	0.416	ppbv #	79
8) Dichlorotetrafluoroethane	2.851	85	55999	0.431	ppbv	94
9) Propene	2.694	41	17006	0.432	ppbv	99
10) Heptane	7.581	43	31471	0.336	ppbv	98
11) Trichlorofluoromethane	3.559	101	60972	0.451	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	23980	0.240	ppbv #	19
13) Ethanol	3.253	45	1587	0.438	ppbv #	16
14) Bromoethene	3.359	108	15807	0.413	ppbv #	89
15) Acetone	3.481	43	46966	0.482	ppbv	92
16) 1,3-Butadiene	2.980	39	17637	0.396	ppbv	91
17) tert-Butyl alcohol	3.896	59	35106	0.395	ppbv	95
18) 1,1-Dichloroethene	3.877	96	19620	0.452	ppbv	92
19) Isopropyl Alcohol	3.597	45	22180	0.479	ppbv #	86
20) Methylene Chloride	3.932	84	28314	0.558	ppbv #	95
21) Allyl Chloride	3.993	41	24535	0.411	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	17824	0.397	ppbv	96
23) Vinyl Acetate	4.629	43	5678	0.192	ppbv #	91
24) 1,1-Dichloroethane	4.565	63	40257	0.436	ppbv	96
25) Ethyl Acetate	5.214	43	72121	0.398	ppbv	97
26) Hexane	5.214	57	17102	0.220	ppbv #	1
27) Carbon Disulfide	4.124	76	35016	0.355	ppbv #	87
28) Methyl tert-Butyl Ether	4.597	73	22481	0.270	ppbv #	77
29) Chloroform	5.272	83	59422	0.445	ppbv	97
30) Cyclohexane	6.597	84	7459	0.122	ppbv #	1
31) cis-1,2-Dichloroethene	5.070	61	11239	0.152	ppbv	90
32) 1,1,1-Trichloroethane	5.999	97	50795	0.405	ppbv	93
34) 2-Butanone	4.800	43	42186	0.416	ppbv	93
35) Carbon Tetrachloride	6.491	117	51307	0.422	ppbv	95
36) Benzene	6.375	78	57512	0.359	ppbv	96
37) 1,2-Dichloroethane	5.800	62	18212	0.182	ppbv #	82
38) Trichloroethene	7.292	130	32197	0.365	ppbv	90
39) 1,2-Dichloropropane	7.070	63	22750	0.365	ppbv #	87
40) 1,4-Dioxane	7.304	88	625	0.025	ppbv #	1
41) Tetrahydrofuran	5.581	42	19195	0.327	ppbv	96
42) Bromodichloromethane	7.250	83	52243	0.378	ppbv	91
43) Methyl Methacrylate	7.475	69	6573	0.111	ppbv #	1
44) 2,2,4-Trimethylpentane	7.327	57	94022	0.352	ppbv #	91
45) t-1,3-Dichloropropene	8.709	75	8769	0.167	ppbv #	88

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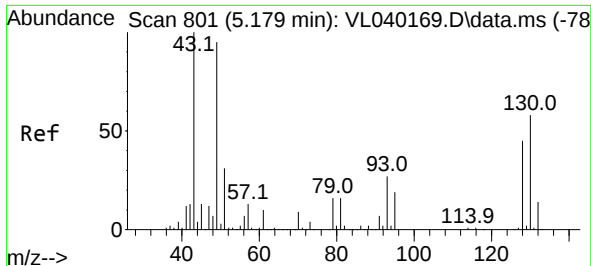
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	20784	0.284	ppbv	90
47) 1,1,2-Trichloroethane	8.899	97	26565	0.395	ppbv	96
48) Dibromochloromethane	9.700	129	10313	0.096	ppbv #	10
49) Bromoform	12.414	173	16530	0.197	ppbv #	53
50) 4-Methyl-2-Pentanone	8.208	43	53092	0.337	ppbv	97
51) 2-Hexanone	9.549	43	1276	0.011	ppbv #	29
52) Tetrachloroethene	10.623	164	19733	0.395	ppbv #	78
53) Toluene	9.224	91	50878	0.297	ppbv	99
54) 1,2-Dibromoethane	10.002	107	8552	0.122	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.510	131	29873	0.383	ppbv #	1
57) Chlorobenzene	11.529	112	56167	0.414	ppbv	93
58) Ethyl Benzene	12.095	91	65893	0.292	ppbv	96
59) m/p-Xylene	12.378	91	33924	0.170	ppbv #	33
60) o-Xylene	13.060	91	27809	0.145	ppbv #	33
61) Styrene	12.905	104	13221	0.131	ppbv #	20
62) Isopropylbenzene	14.031	105	99727	0.361	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	28626	0.413	ppbv	94
64) n-propylbenzene	14.925	120	13944	0.204	ppbv #	1
65) tert-Butylbenzene	16.101	119	79247	0.330	ppbv	85
66) Benzyl Chloride	16.330	91	809	0.051	ppbv #	1
67) sec-Butylbenzene	16.648	105	121359	0.352	ppbv	99
69) p-Isopropyltoluene	17.008	119	85292	0.312	ppbv	95
70) n-Butylbenzene	17.899	91	55810	0.188	ppbv #	33
71) 2-Chlorotoluene	14.809	91	69901	0.331	ppbv	98
72) 4-Ethyltoluene	15.201	105	68325	0.321	ppbv	98
73) 1,3,5-Trimethylbenzene	15.356	105	29033	0.147	ppbv	96
74) 1,2,4-Trimethylbenzene	16.118	105	39826	0.183	ppbv	95
75) 1,3-Dichlorobenzene	16.343	146	36334	0.305	ppbv	81
76) 1,4-Dichlorobenzene	16.478	146	22685	0.195	ppbv #	18
77) 1,2-Dichlorobenzene	17.153	146	44684	0.378	ppbv	94
78) Hexachloro-1,3-Butadiene	22.625	225	8564	0.105	ppbv #	18
79) Naphthalene	21.400	128	13856	0.113	ppbv #	91
80) Naphthalene,2-methyl-	24.397	142	2281	0.066	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.146	180	8295	0.109	ppbv #	3

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

Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

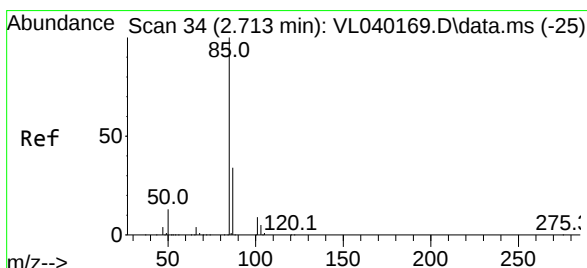
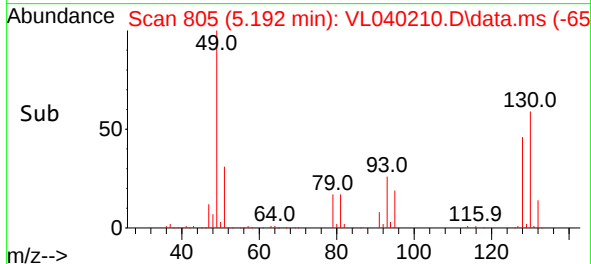
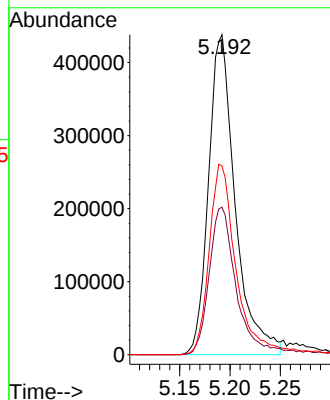
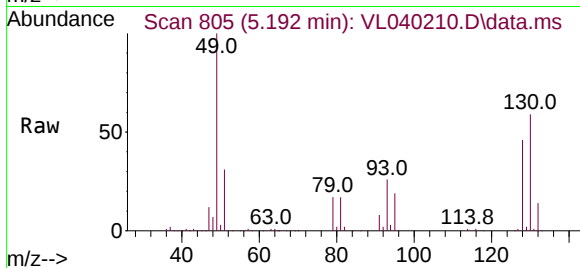
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#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.013 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

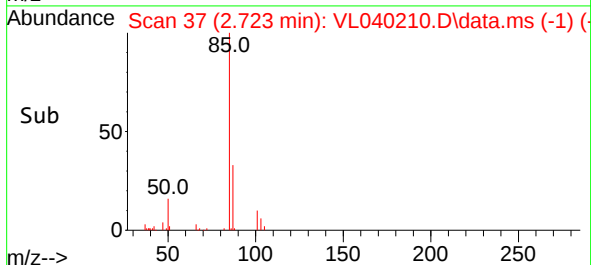
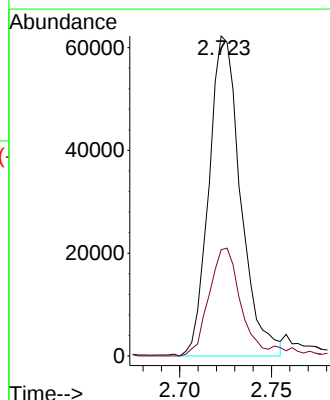
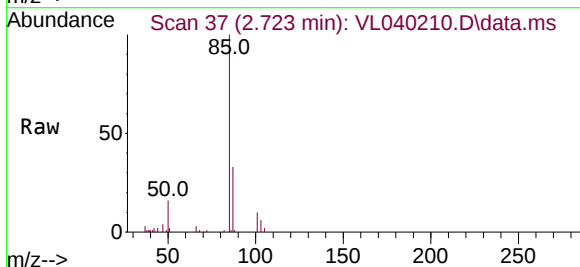
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 LOD-MDL-AIR-01-QT1-2023

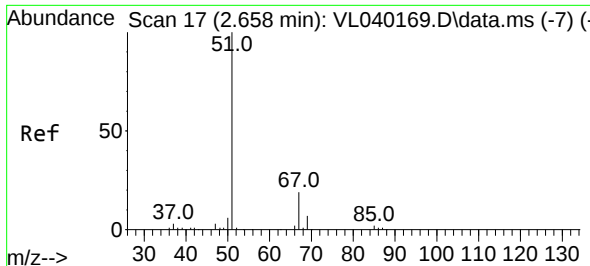
Tgt Ion: 49 Resp: 809108
 Ion Ratio Lower Upper
 49 100
 128 47.8 24.1 72.3
 130 62.2 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.497 ppbv
 RT: 2.723 min Scan# 37
 Delta R.T. -0.006 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 85 Resp: 74939
 Ion Ratio Lower Upper
 85 100
 87 33.2 27.0 40.6

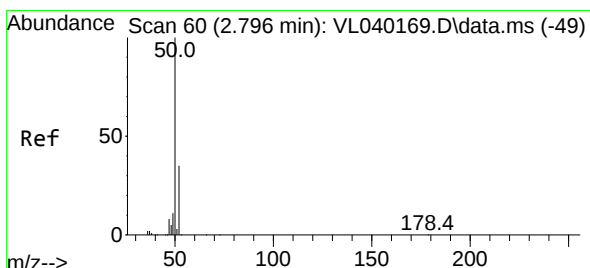
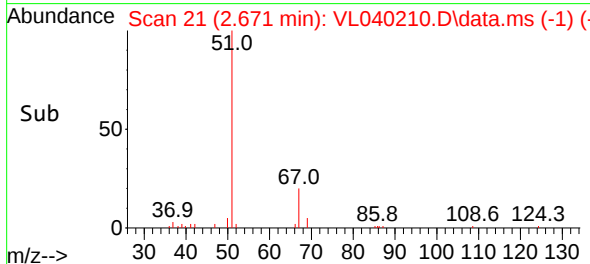
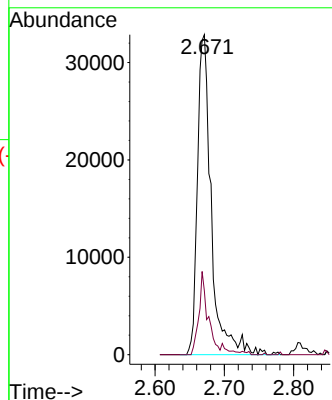
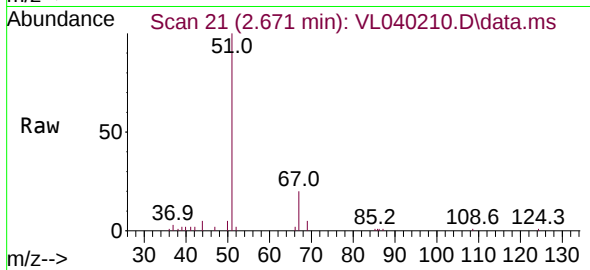




#3
Chlorodifluoromethane
Concen: 0.474 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

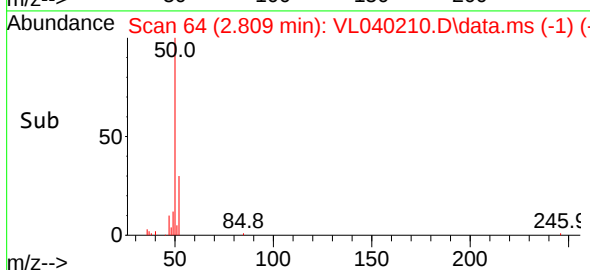
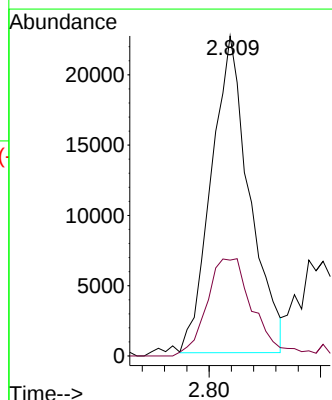
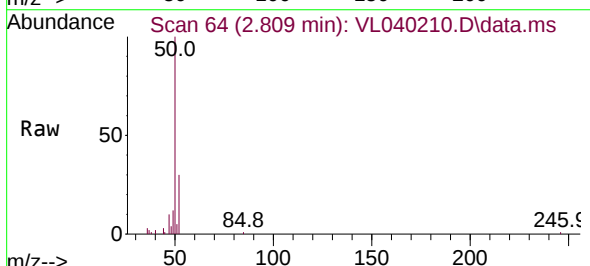
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ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

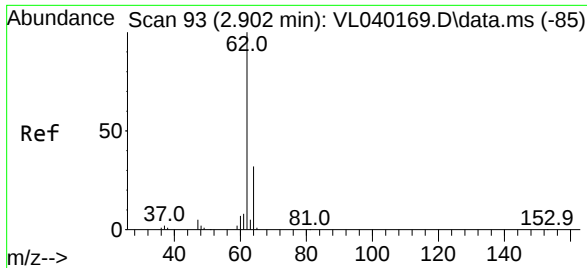
Tgt Ion: 51 Resp: 45803
Ion Ratio Lower Upper
51 100
67 19.2 15.4 23.2



#4
Chloromethane
Concen: 0.443 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 50 Resp: 26902
Ion Ratio Lower Upper
50 100
52 29.1 28.3 42.5

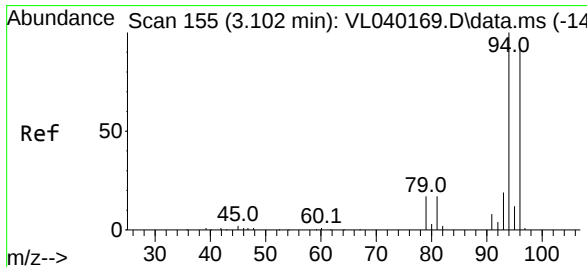
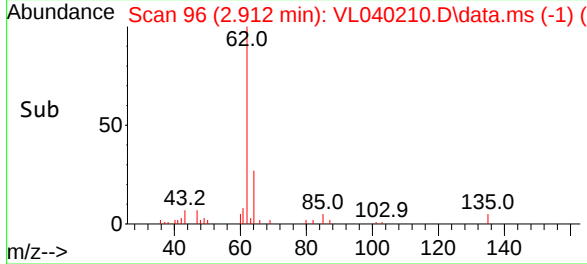
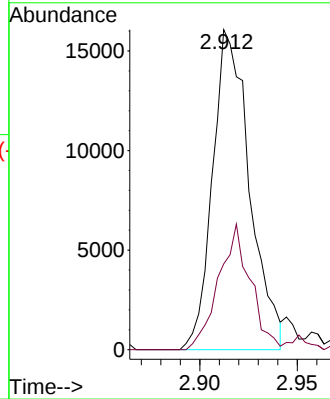
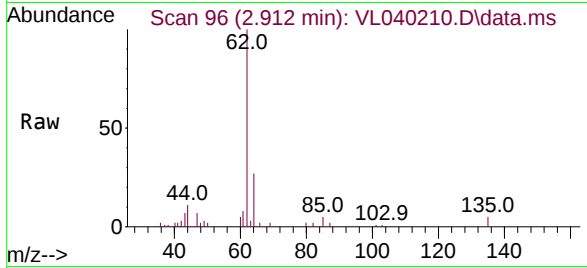




#5
 Vinyl Chloride
 Concen: 0.435 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

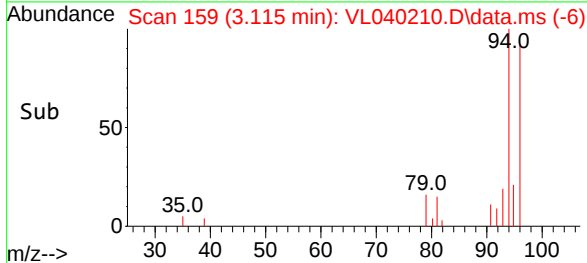
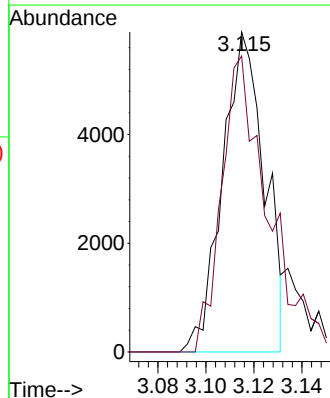
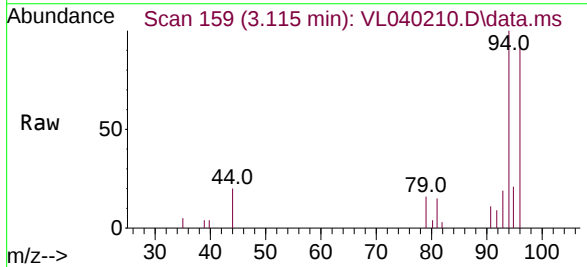
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

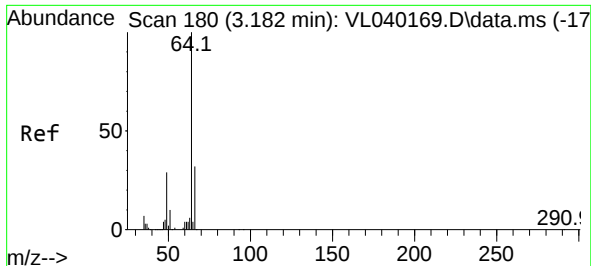
Tgt Ion: 62 Resp: 21206
 Ion Ratio Lower Upper
 62 100
 64 26.8 25.6 38.4



#6
 Bromomethane
 Concen: 0.408 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 94 Resp: 7177
 Ion Ratio Lower Upper
 94 100
 96 92.5 73.4 110.2

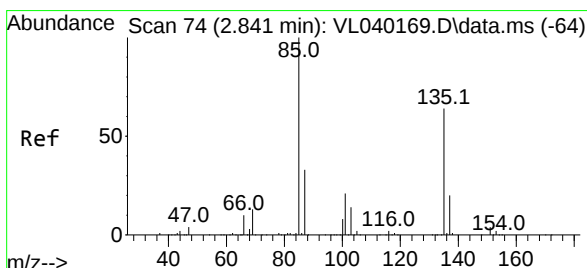
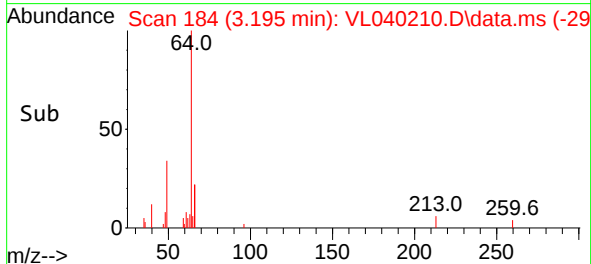
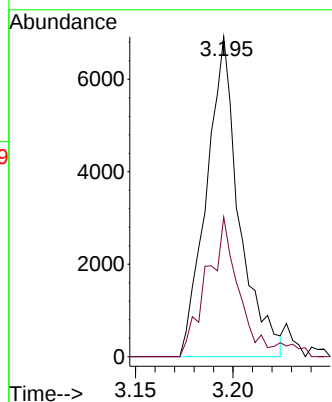
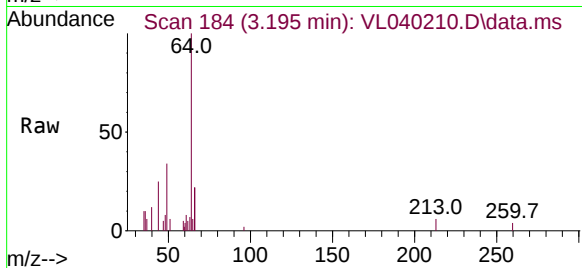




#7
Chloroethane
Concen: 0.416 ppbv
RT: 3.195 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

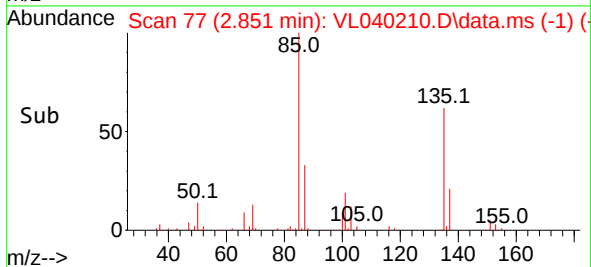
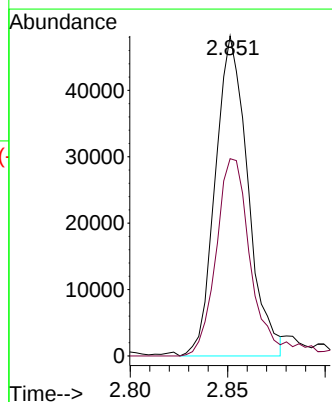
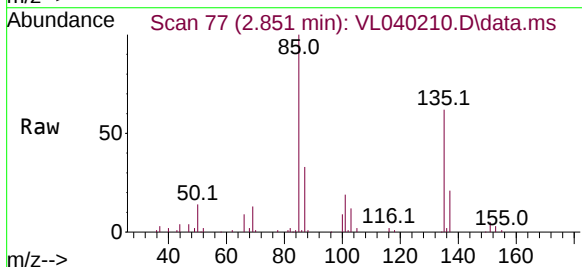
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LOD-MDL-AIR-01-QT1-2023

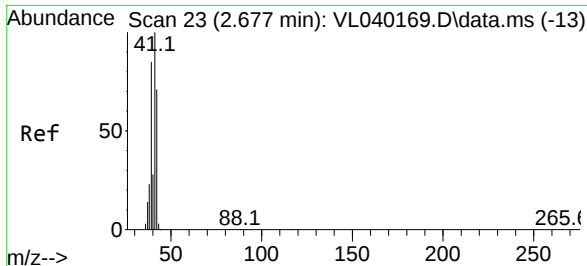
Tgt Ion: 64 Resp: 8054
Ion Ratio Lower Upper
64 100
66 43.6 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.431 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.006 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 85 Resp: 55999
Ion Ratio Lower Upper
85 100
135 68.7 51.5 77.3





#9

Propene

Concen: 0.432 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

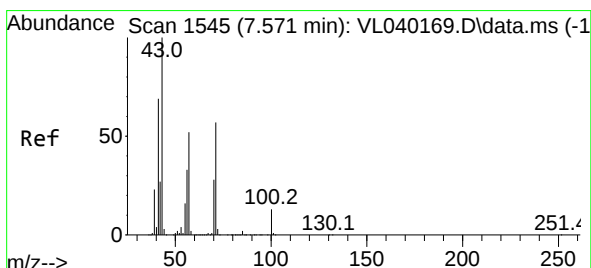
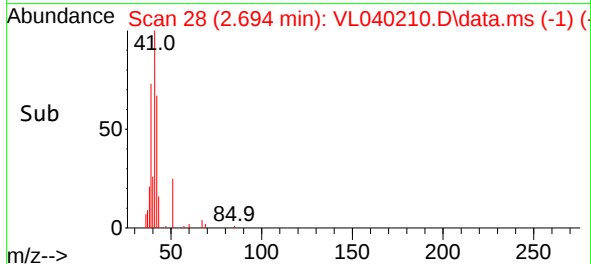
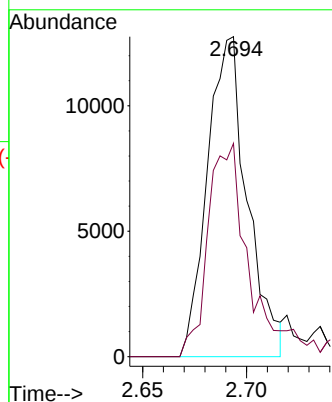
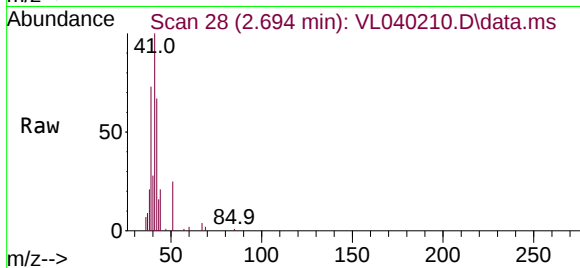
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 41 Resp: 17006

Ion Ratio Lower Upper

41 100

42 72.1 56.9 85.3



#10

Heptane

Concen: 0.336 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. -0.022 min

Lab File: VL040210.D

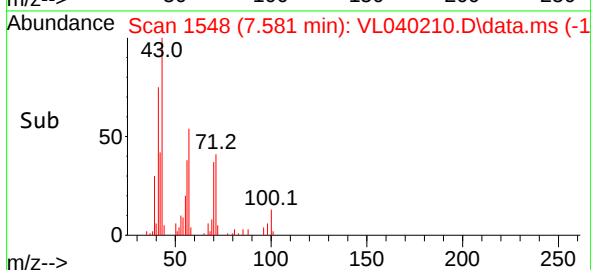
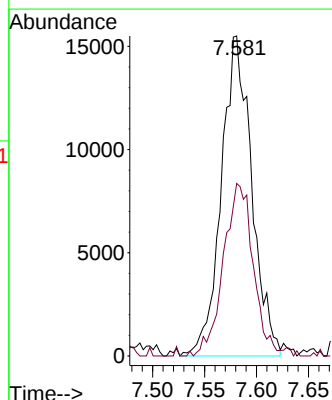
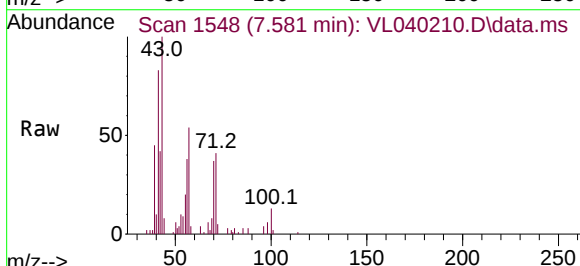
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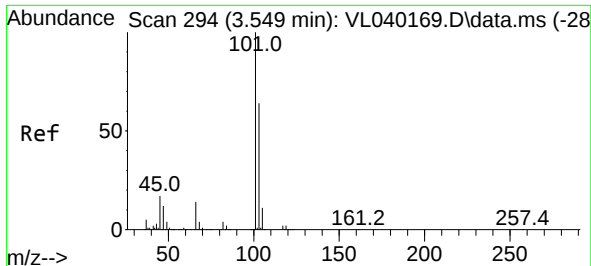
Tgt Ion: 43 Resp: 31471

Ion Ratio Lower Upper

43 100

57 53.5 41.4 62.2

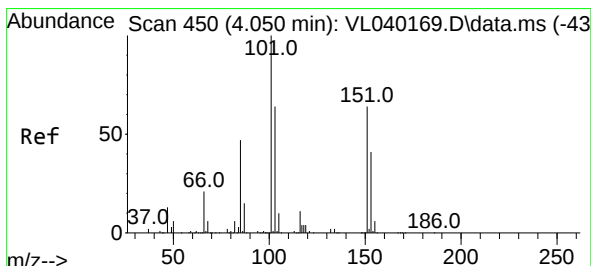
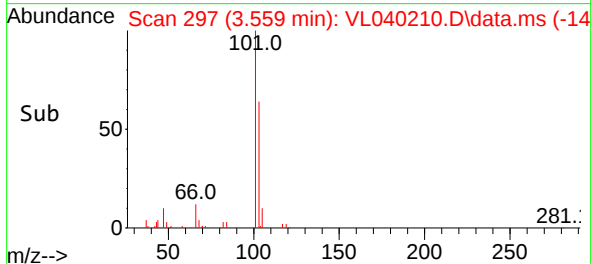
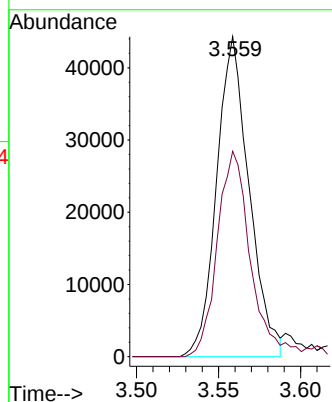
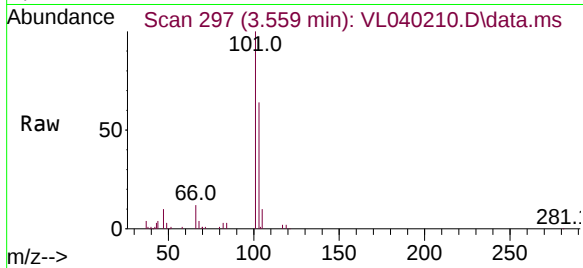




#11
 Trichlorofluoromethane
 Concen: 0.451 ppbv
 RT: 3.559 min Scan# 294
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

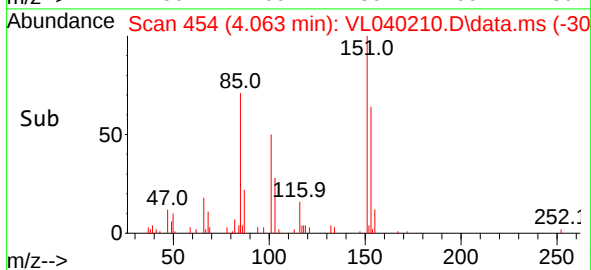
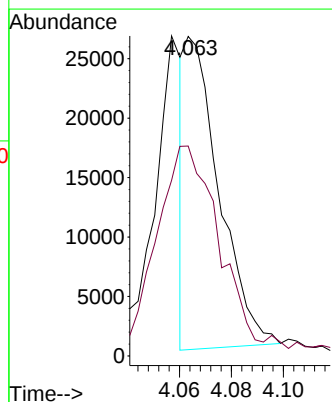
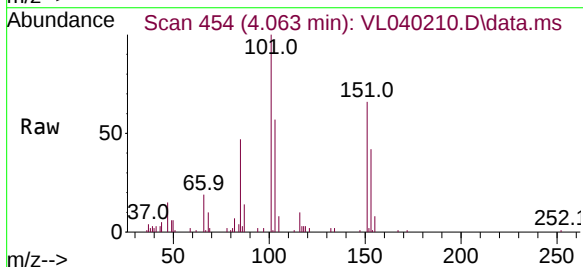
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

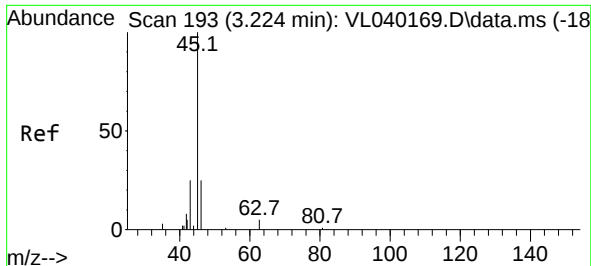
Tgt Ion:101 Resp: 60972
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.240 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion:101 Resp: 23980
 Ion Ratio Lower Upper
 101 100
 151 133.8 54.7 82.1#

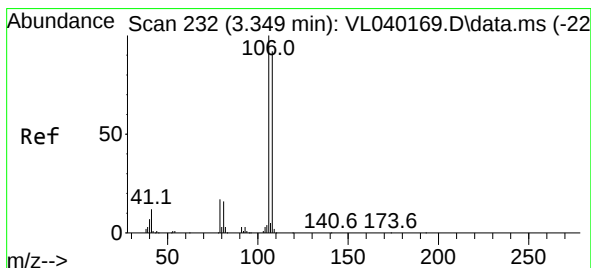
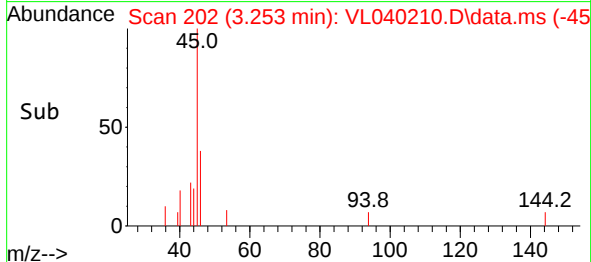
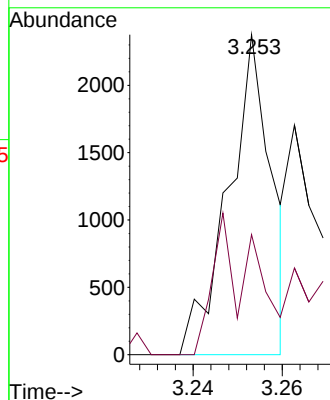
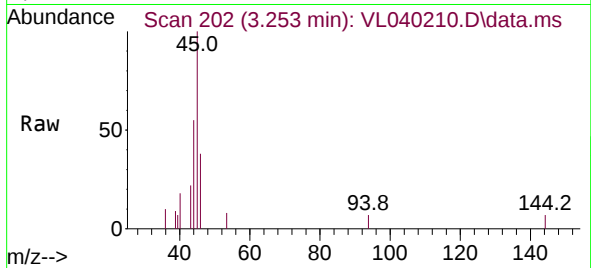




#13
Ethanol
Concen: 0.438 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

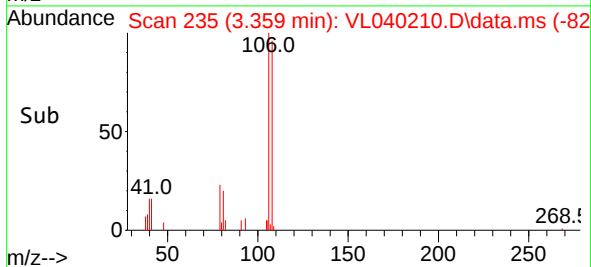
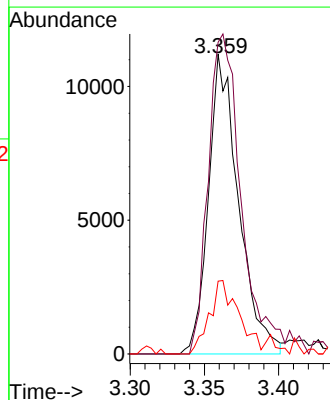
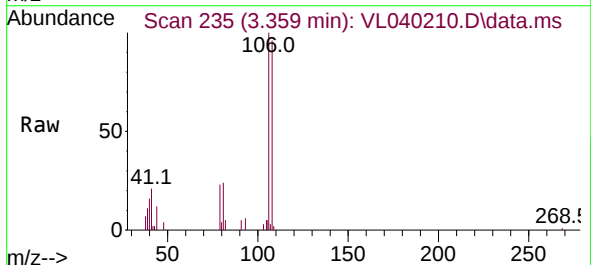
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

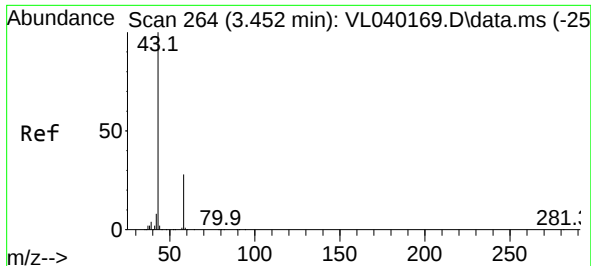
Tgt Ion: 45 Resp: 1587
Ion Ratio Lower Upper
45 100
46 81.0 13.3 53.1#



#14
Bromoethene
Concen: 0.413 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.010 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion:108 Resp: 15807
Ion Ratio Lower Upper
108 100
106 119.1 87.1 130.7
79 27.3 15.4 23.2#

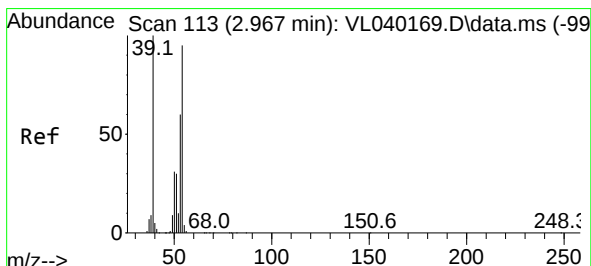
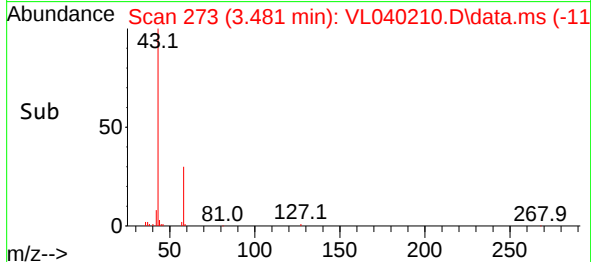
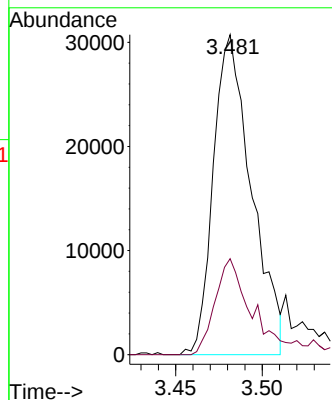
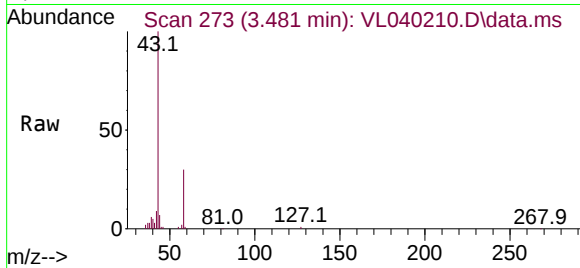




#15
Acetone
Concen: 0.482 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

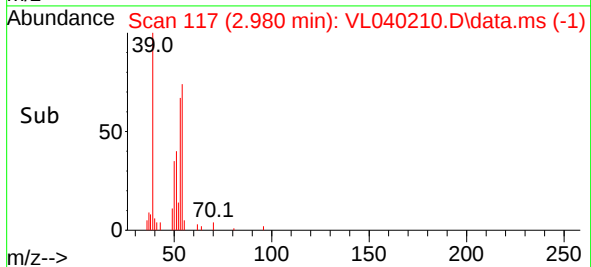
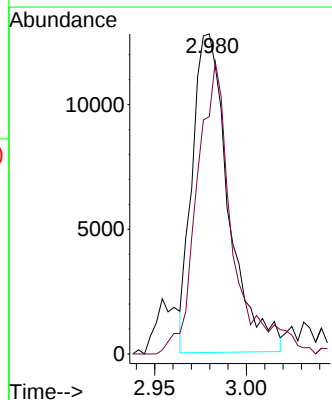
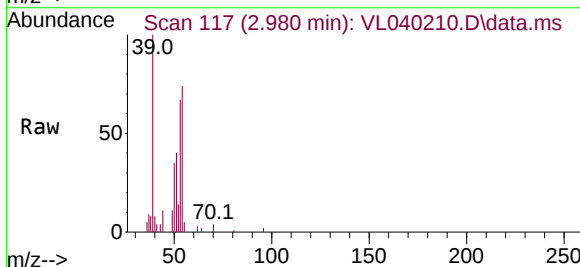
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

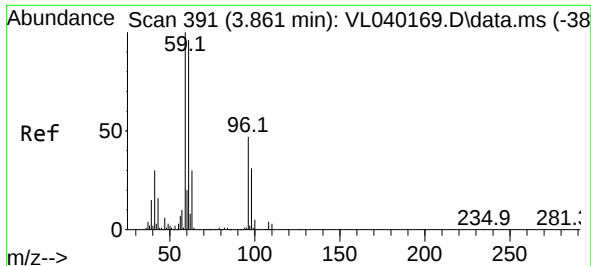
Tgt Ion: 43 Resp: 46966
Ion Ratio Lower Upper
43 100
58 32.2 22.4 33.6



#16
1,3-Butadiene
Concen: 0.396 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 39 Resp: 17637
Ion Ratio Lower Upper
39 100
54 91.3 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.395 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.010 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

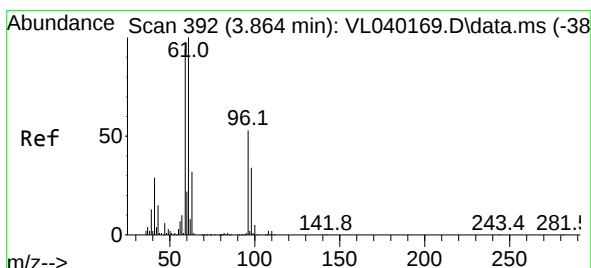
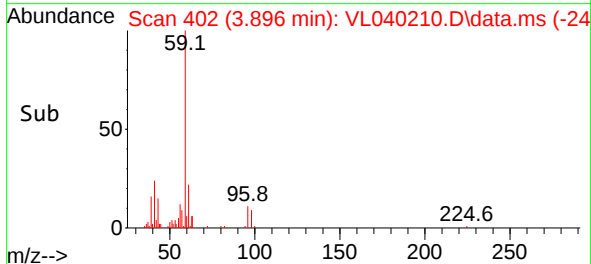
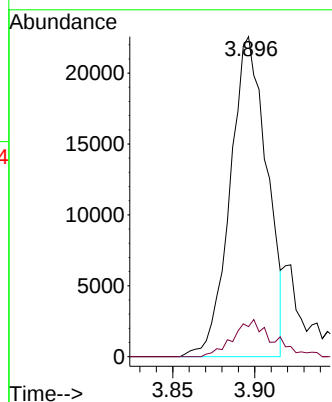
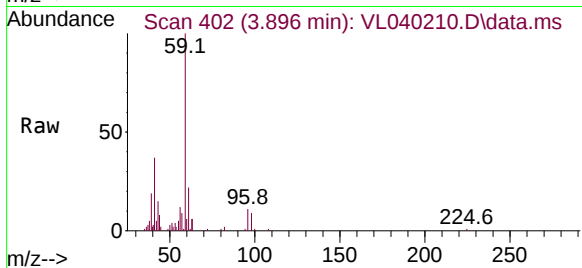
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 59 Resp: 35106

Ion Ratio Lower Upper

59 100

57 12.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.452 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.010 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

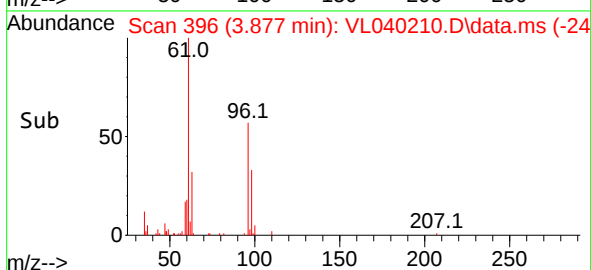
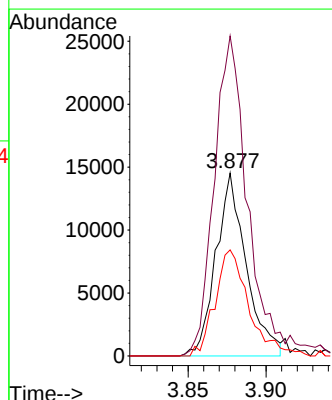
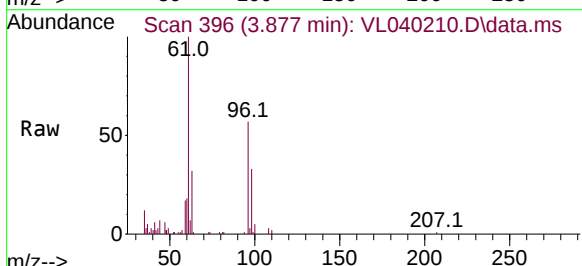
Tgt Ion: 96 Resp: 19620

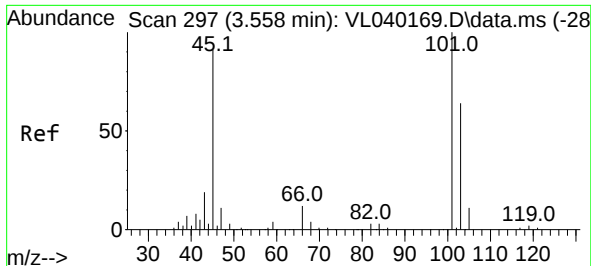
Ion Ratio Lower Upper

96 100

61 175.0 149.6 224.4

98 58.0 51.1 76.7

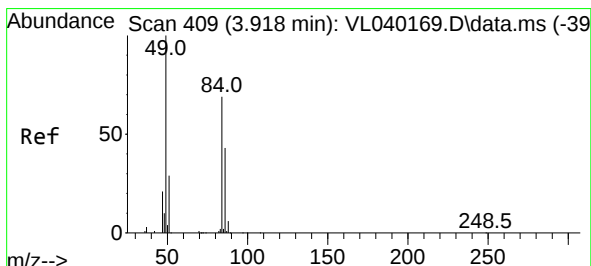
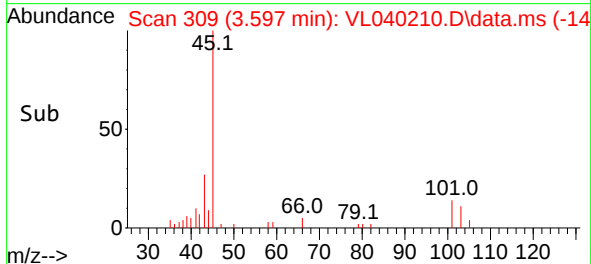
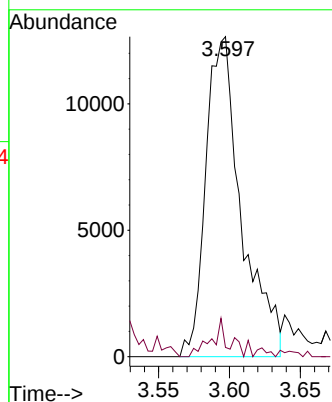
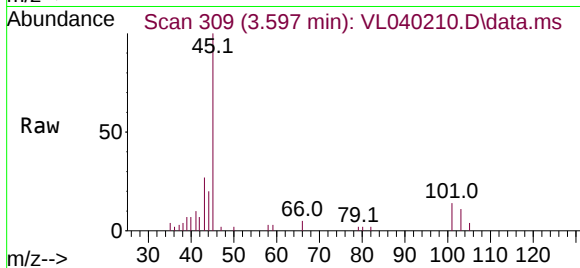




#19
Isopropyl Alcohol
Concen: 0.479 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.016 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

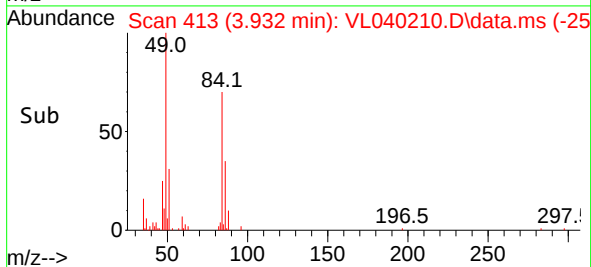
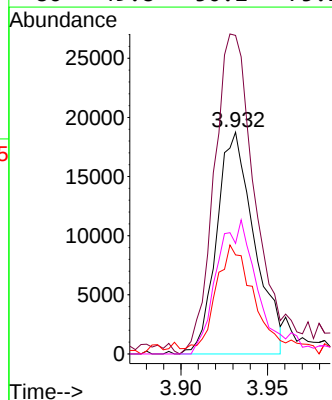
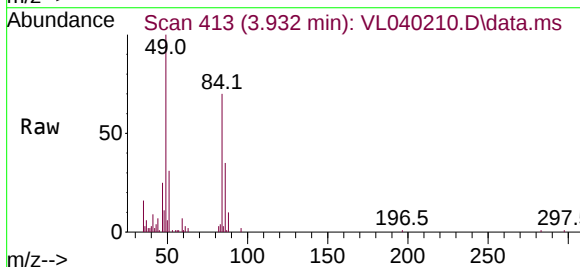
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

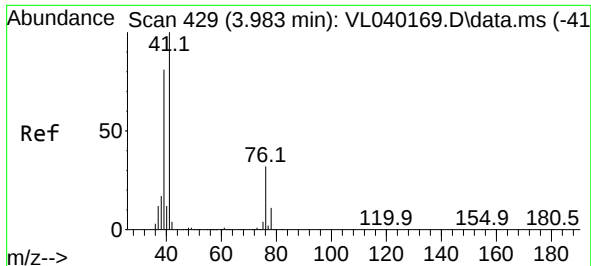
Tgt Ion: 45 Resp: 22180
Ion Ratio Lower Upper
45 100
58 8.0 2.6 3.8#



#20
Methylene Chloride
Concen: 0.558 ppbv
RT: 3.932 min Scan# 413
Delta R.T. -0.006 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 84 Resp: 28314
Ion Ratio Lower Upper
84 100
49 143.6 115.5 173.3
51 42.3 33.1 49.7
86 49.8 50.2 75.2#

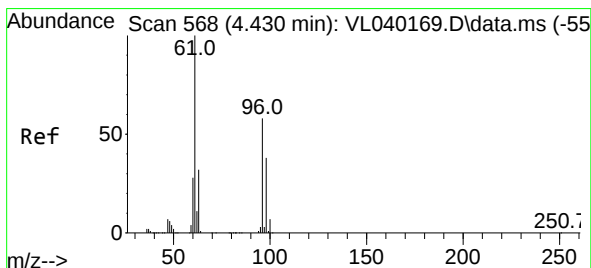
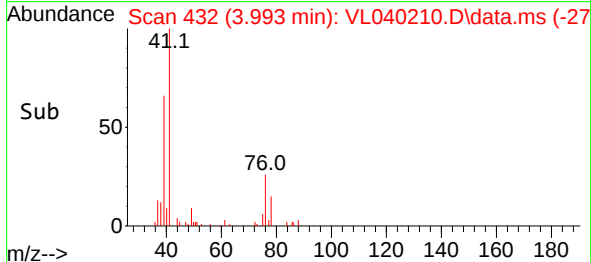
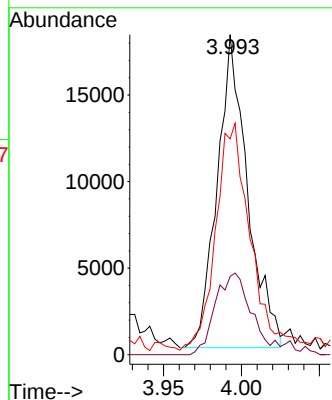
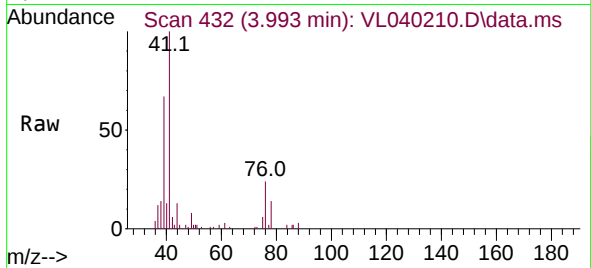




#21
 Allyl Chloride
 Concen: 0.411 ppbv
 RT: 3.993 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

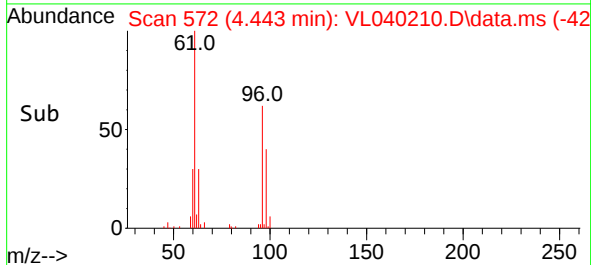
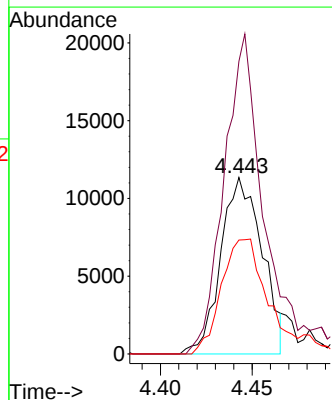
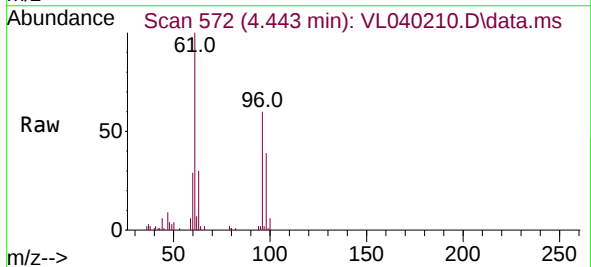
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

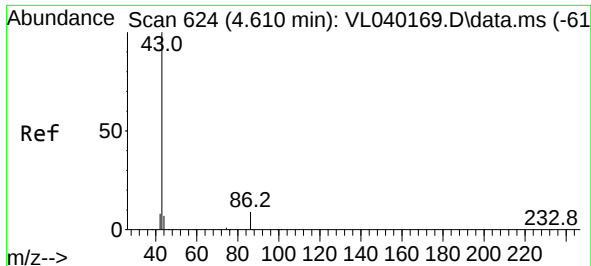
Tgt Ion: 41	Resp: 24535
Ion Ratio	Lower Upper
41 100	
76 33.3	25.5 38.3
39 82.9	64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.397 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. -0.013 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 96	Resp: 17824
Ion Ratio	Lower Upper
96 100	
61 165.8	137.5 206.3
98 64.5	52.8 79.2

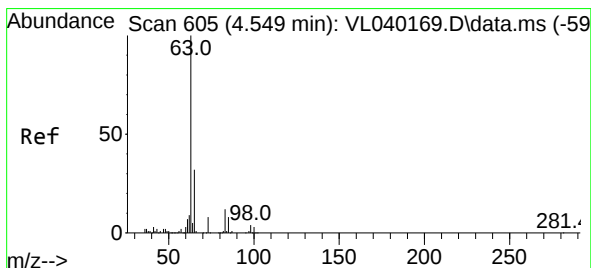
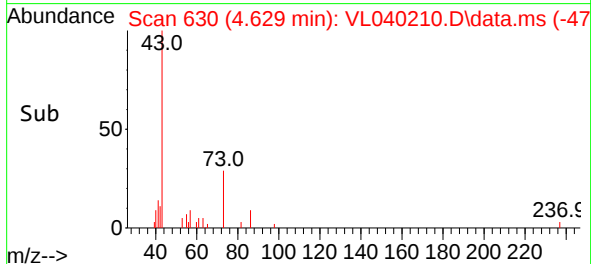
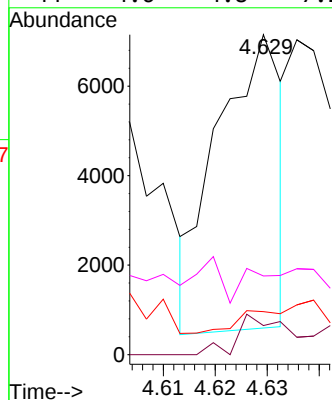
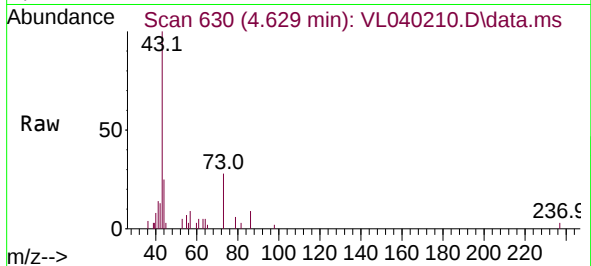




#23
 Vinyl Acetate
 Concen: 0.192 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

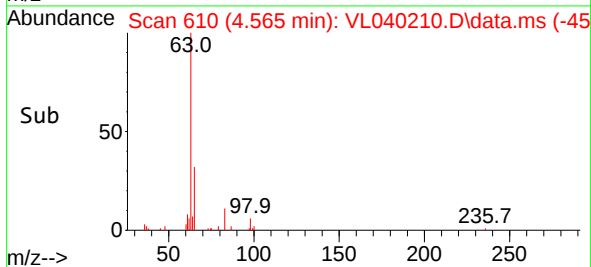
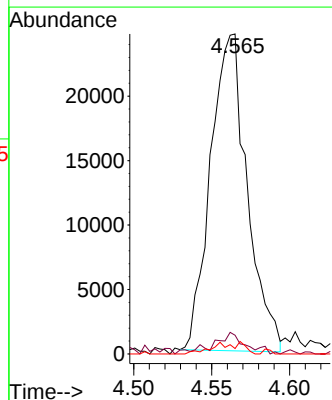
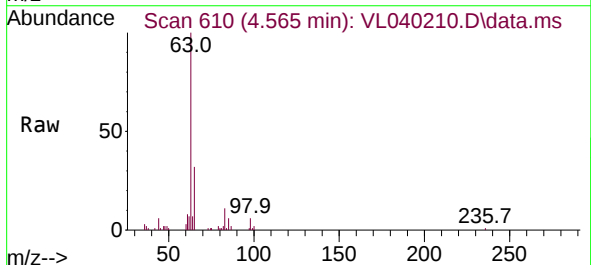
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

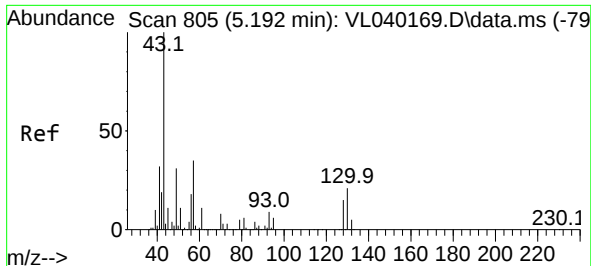
Tgt Ion: 43	Resp: 5678
Ion Ratio	Lower Upper
43 100	
86 14.4	5.6 8.4#
42 10.7	7.6 11.4
44 4.6	4.8 7.2#



#24
 1,1-Dichloroethane
 Concen: 0.436 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 63	Resp: 40257
Ion Ratio	Lower Upper
63 100	
98 6.0	2.3 6.8
100 1.7	1.4 4.0





#25

Ethyl Acetate

Concen: 0.398 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.003 min

Lab File: VL040210.D

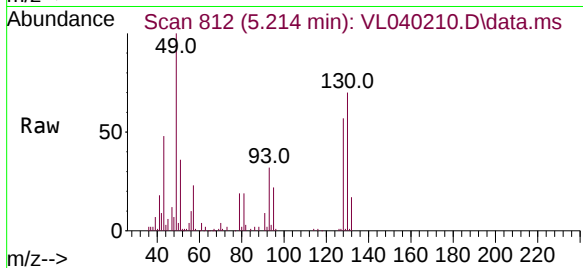
Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion: 43 Resp: 72121

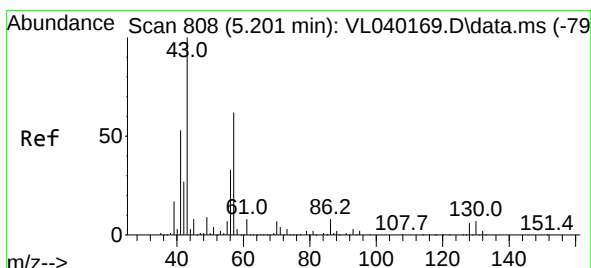
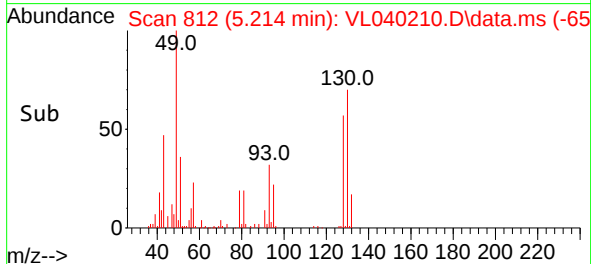
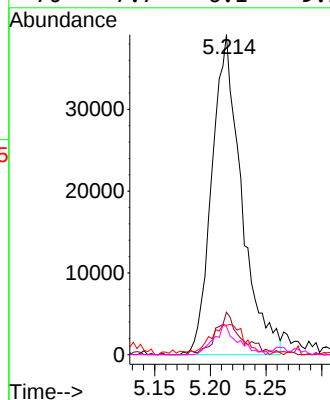
Ion Ratio Lower Upper

43 100

45 11.7 8.3 12.5

61 11.8 8.4 12.6

70 7.7 6.1 9.1



#26

Hexane

Concen: 0.220 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.010 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Tgt Ion: 57 Resp: 17102

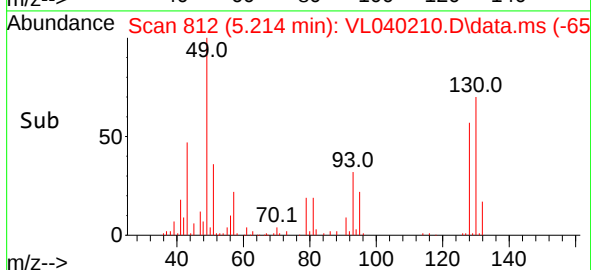
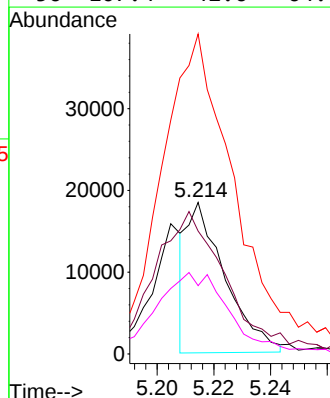
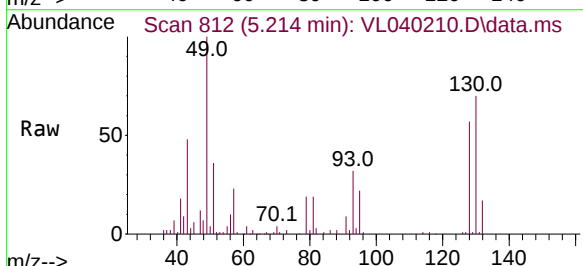
Ion Ratio Lower Upper

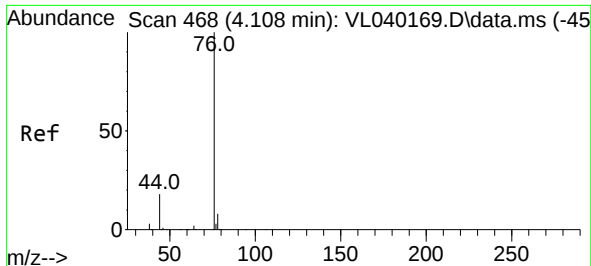
57 100

41 192.7 74.3 111.5#

43 443.2 193.0 289.4#

56 107.4 42.6 64.0#





#27

Carbon Disulfide

Concen: 0.355 ppbv

RT: 4.124 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

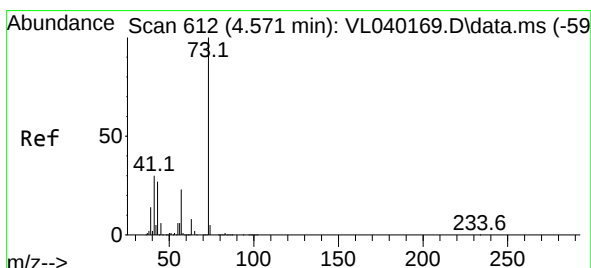
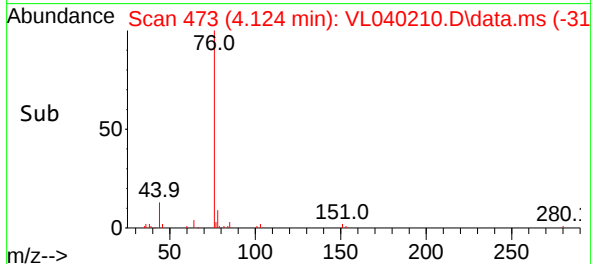
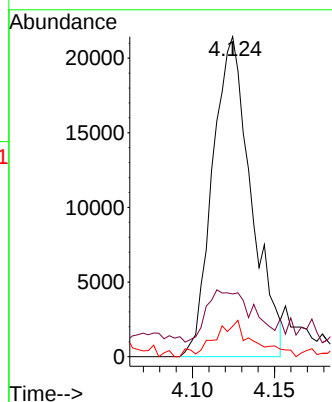
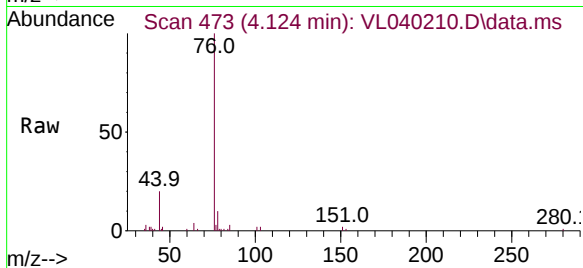
Tgt Ion: 76 Resp: 35016

Ion Ratio Lower Upper

76 100

44 26.9 15.3 22.9#

78 11.5 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 0.270 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.000 min

Lab File: VL040210.D

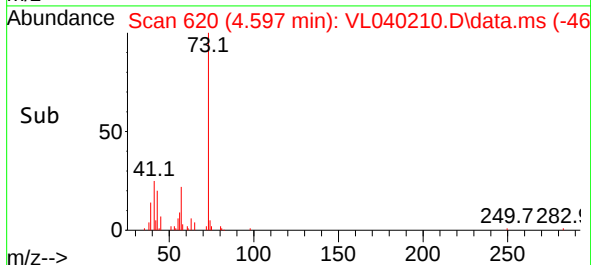
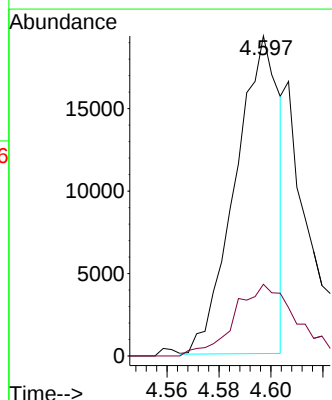
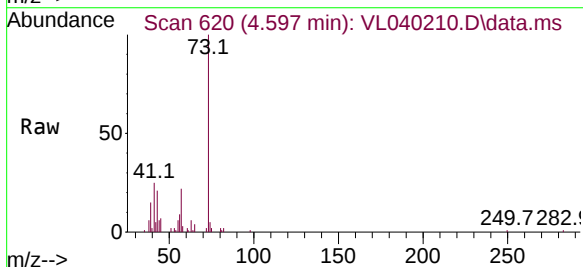
Acq: 22 Feb 2023 00:52

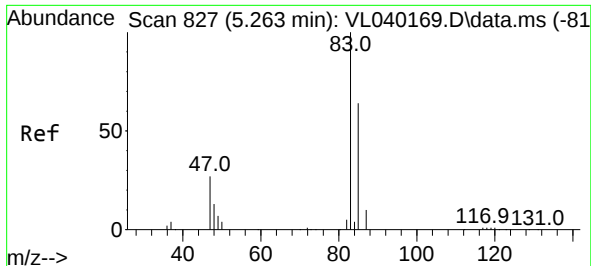
Tgt Ion: 73 Resp: 22481

Ion Ratio Lower Upper

73 100

57 34.9 18.8 28.2#

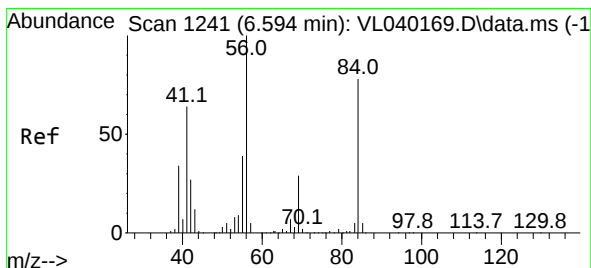
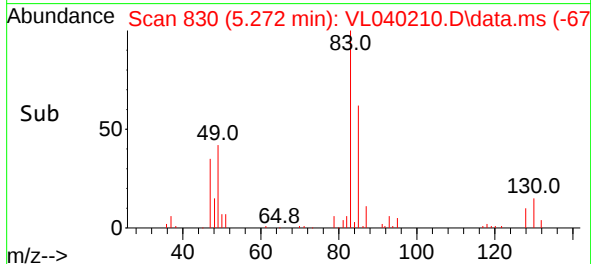
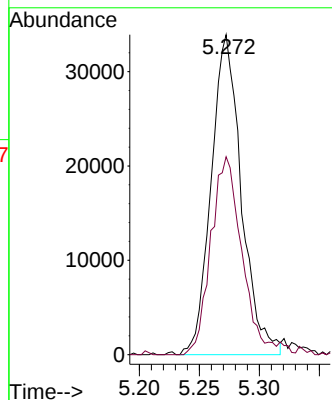
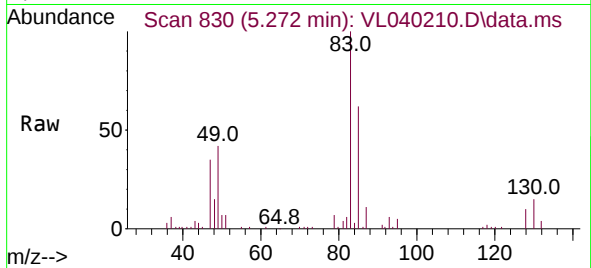




#29
Chloroform
Concen: 0.445 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

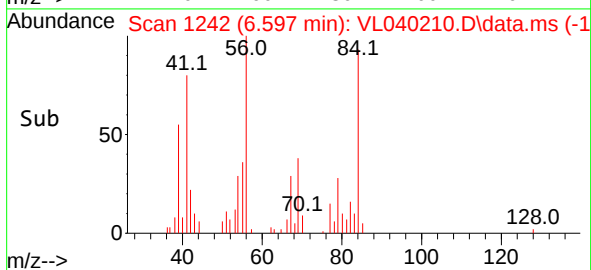
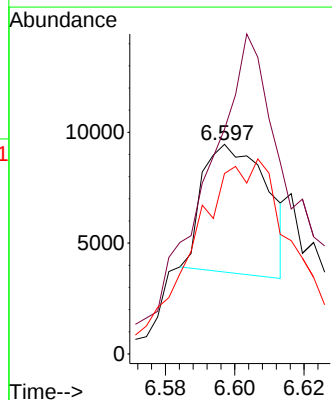
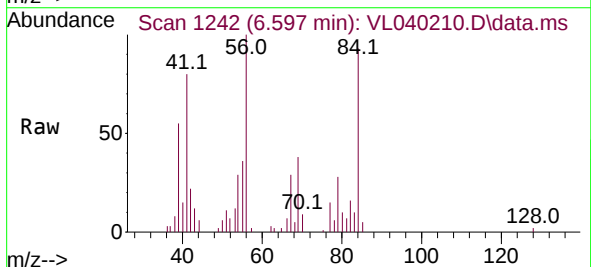
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

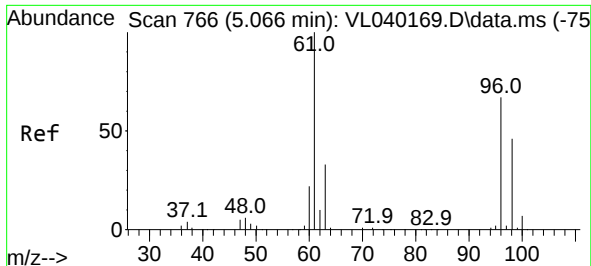
Tgt Ion: 83 Resp: 59422
Ion Ratio Lower Upper
83 100
85 61.9 51.5 77.3



#30
Cyclohexane
Concen: 0.122 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 84 Resp: 7459
Ion Ratio Lower Upper
84 100
56 309.1 109.9 164.9#
41 262.2 67.8 101.6#



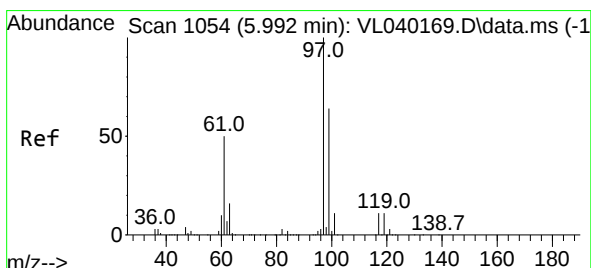
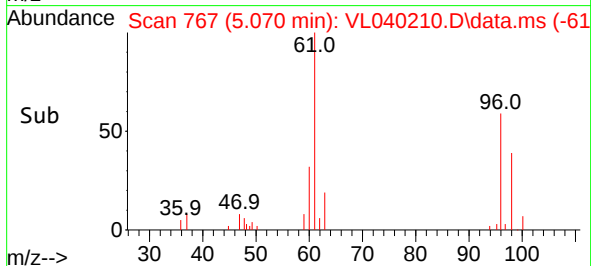
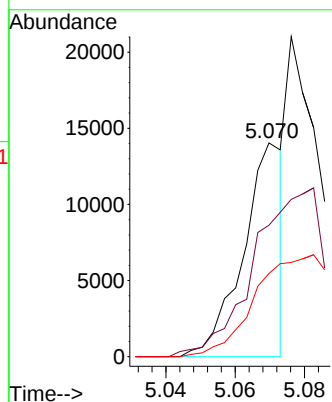
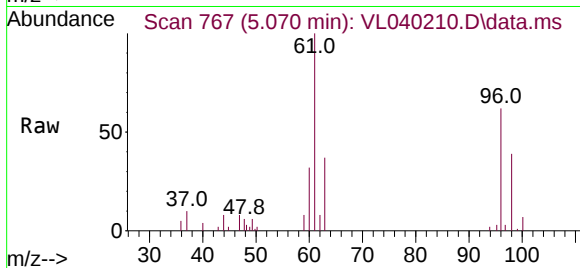


#31
 cis-1,2-Dichloroethene
 Concen: 0.152 ppbv
 RT: 5.070 min Scan# 766
 Delta R.T. -0.022 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 61 Resp: 11239

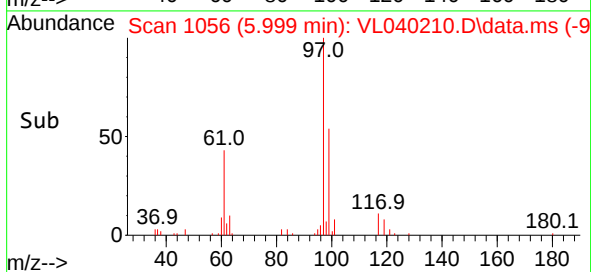
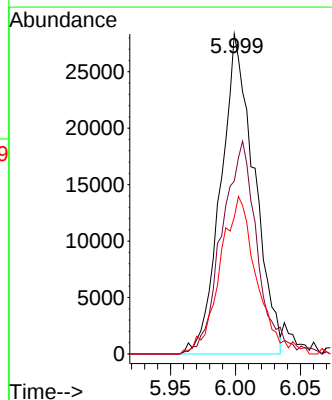
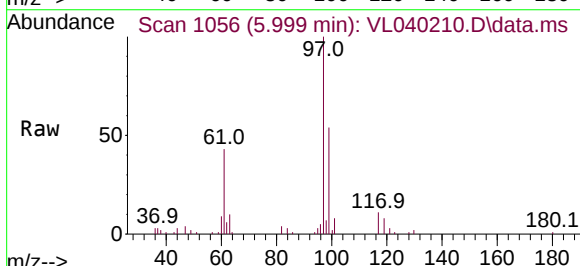
Ion	Ratio	Lower	Upper
61	100		
96	59.2	53.7	80.5
98	39.0	36.4	54.6

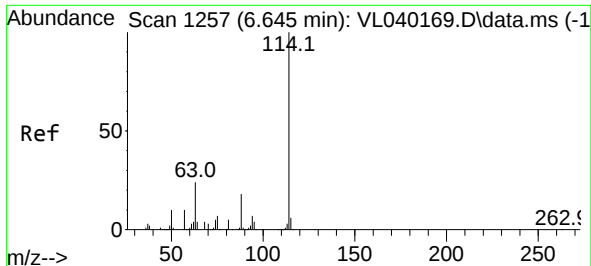


#32
 1,1,1-Trichloroethane
 Concen: 0.405 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.022 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 97 Resp: 50795

Ion	Ratio	Lower	Upper
97	100		
99	70.8	51.5	77.3
61	54.0	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.022 min

Lab File: VL040210.D

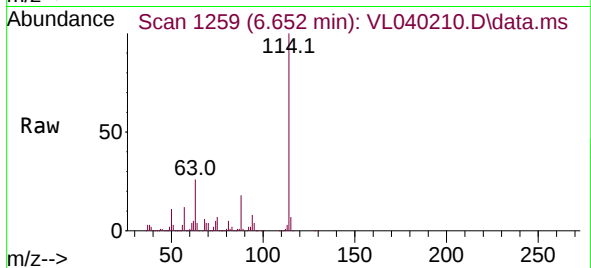
Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



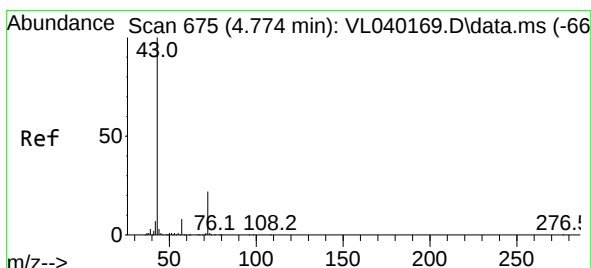
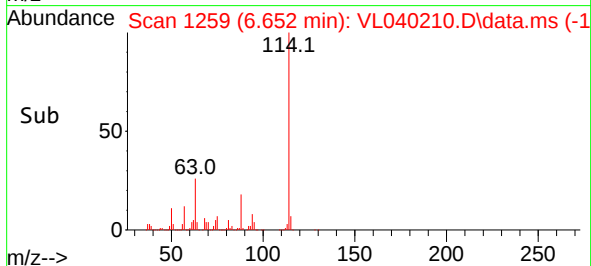
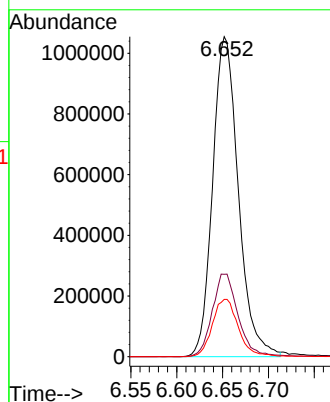
Tgt Ion:114 Resp: 2056286

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

88 18.3 14.3 21.5



#34

2-Butanone

Concen: 0.416 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.003 min

Lab File: VL040210.D

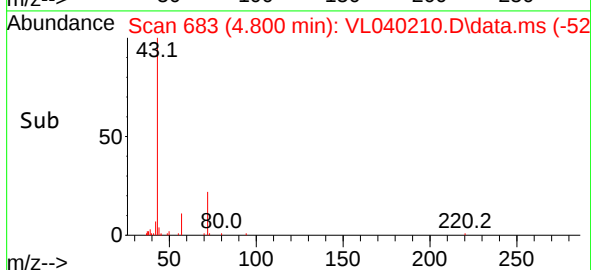
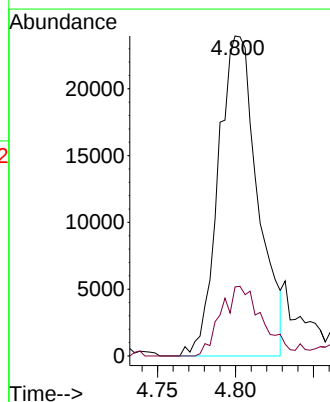
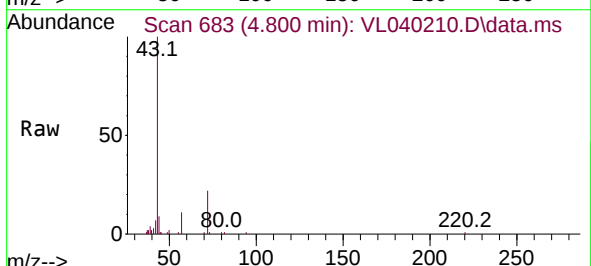
Acq: 22 Feb 2023 00:52

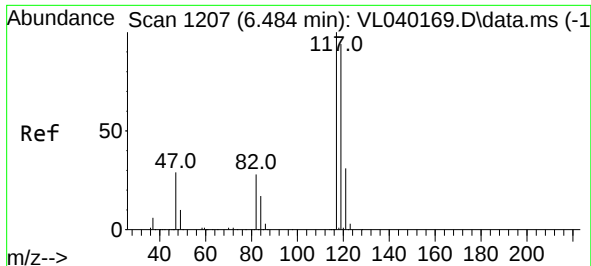
Tgt Ion: 43 Resp: 42186

Ion Ratio Lower Upper

43 100

72 25.8 17.8 26.8

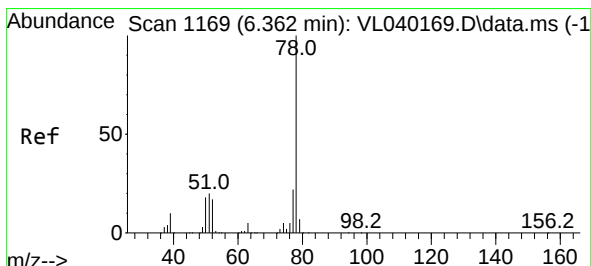
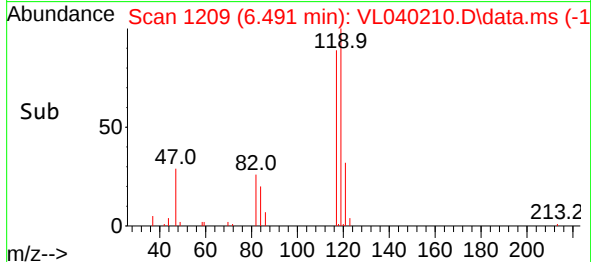
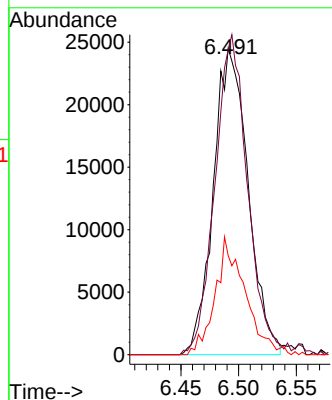
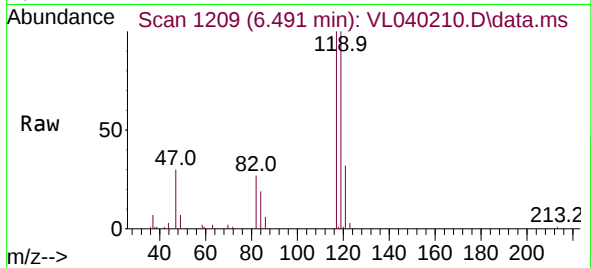




#35
Carbon Tetrachloride
Concen: 0.422 ppbv
RT: 6.491 min Scan# 1173
Delta R.T. -0.022 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

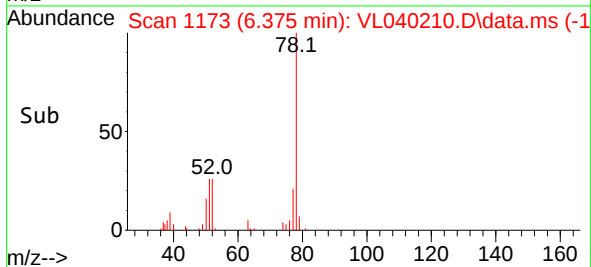
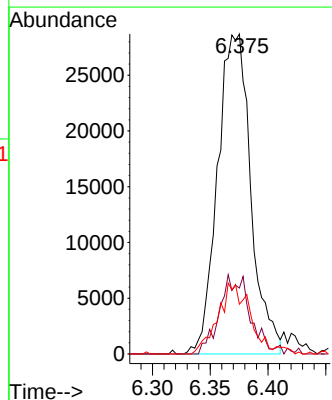
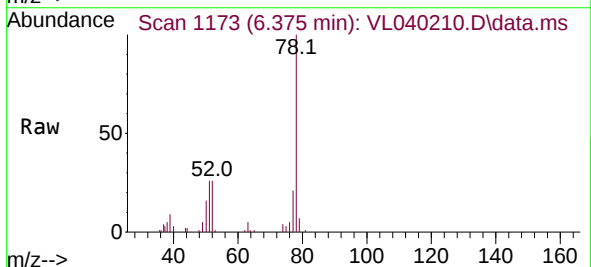
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

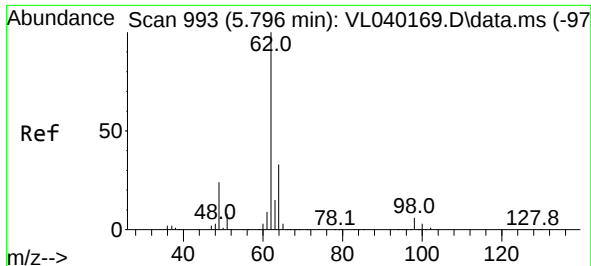
Tgt Ion:117 Resp: 51307
Ion Ratio Lower Upper
117 100
119 99.6 75.0 112.6
121 32.3 25.0 37.4



#36
Benzene
Concen: 0.359 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.013 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 78 Resp: 57512
Ion Ratio Lower Upper
78 100
77 20.6 17.5 26.3
50 15.6 14.6 22.0





#37

1,2-Dichloroethane

Concen: 0.182 ppbv

RT: 5.800 min Scan# 993

Delta R.T. -0.022 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

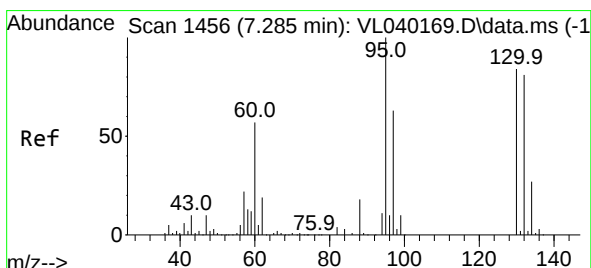
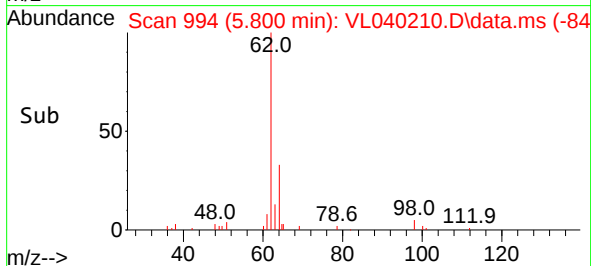
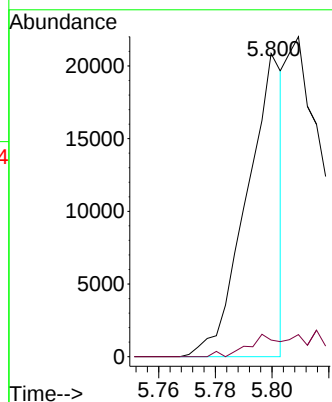
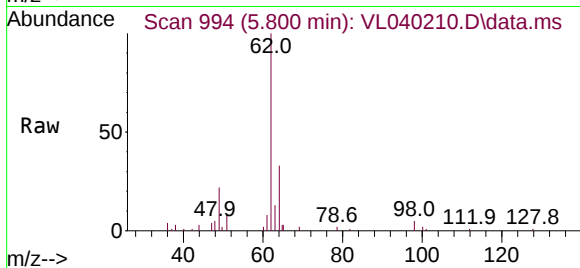
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 62 Resp: 18212

Ion Ratio Lower Upper

62 100

98 0.0 4.7 7.1#



#38

Trichloroethene

Concen: 0.365 ppbv

RT: 7.292 min Scan# 1458

Delta R.T. -0.022 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Tgt Ion:130 Resp: 32197

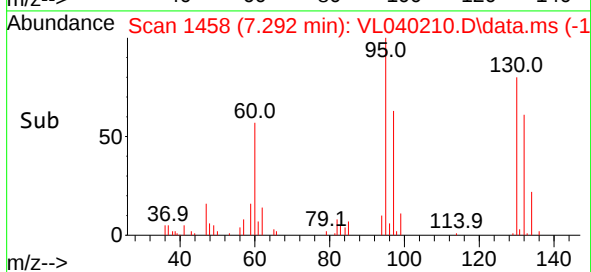
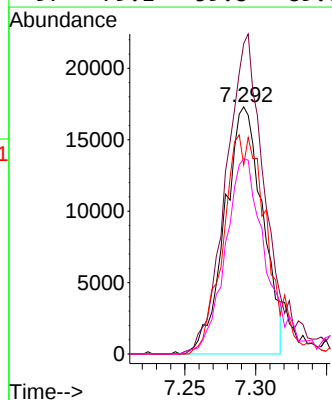
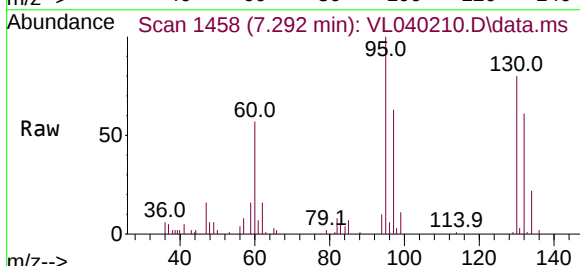
Ion Ratio Lower Upper

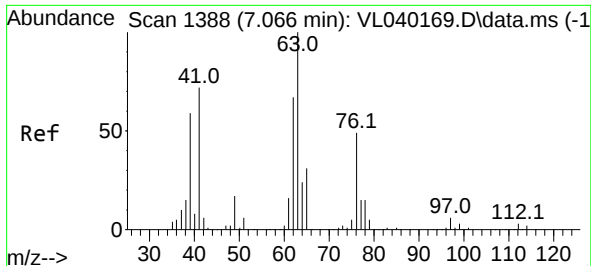
130 100

95 125.7 94.7 142.1

132 76.6 76.4 114.6

97 79.1 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.365 ppbv

RT: 7.070 min Scan# 1

Delta R.T. -0.026 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

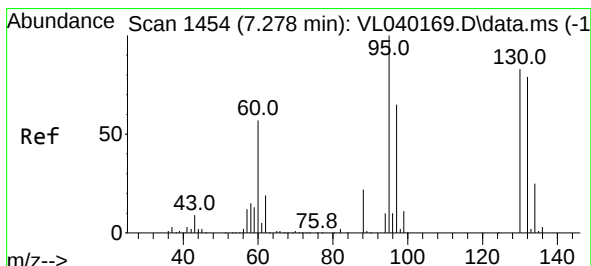
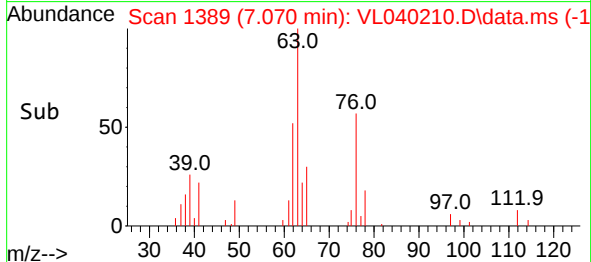
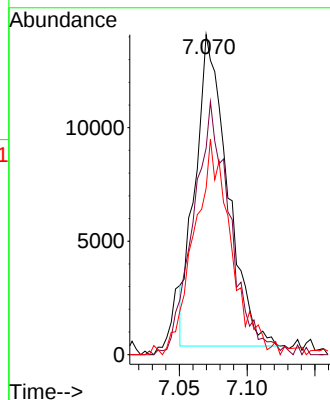
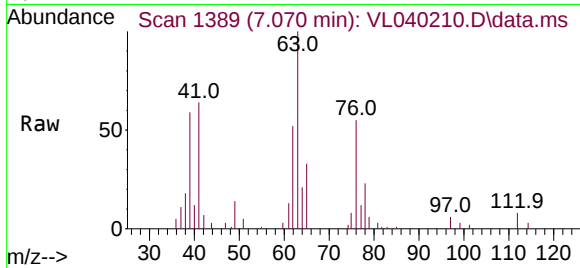
Tgt Ion: 63 Resp: 22750

Ion Ratio Lower Upper

63 100

41 64.9 57.6 86.4

62 53.4 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.025 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. -0.003 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Tgt Ion: 88 Resp: 625

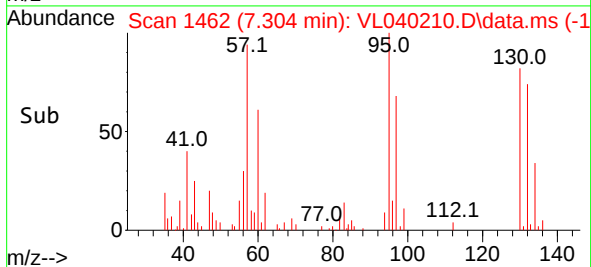
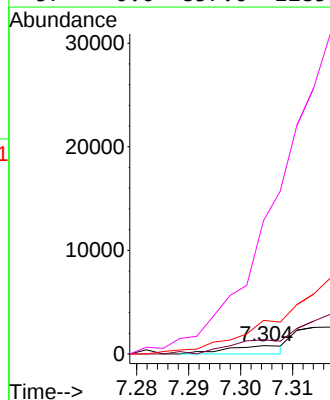
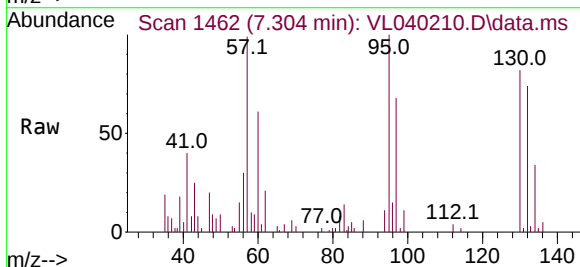
Ion Ratio Lower Upper

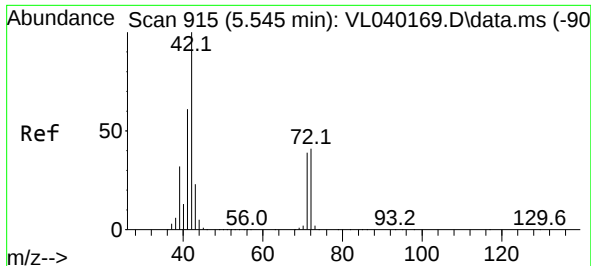
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 0.327 ppbv

RT: 5.581 min Scan# 915

Delta R.T. 0.010 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

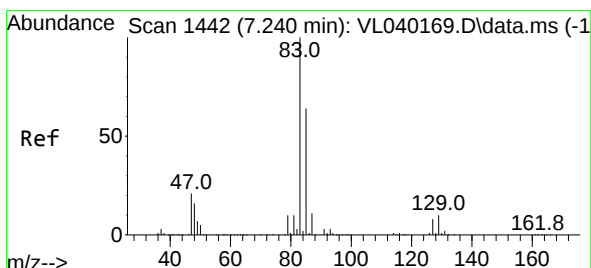
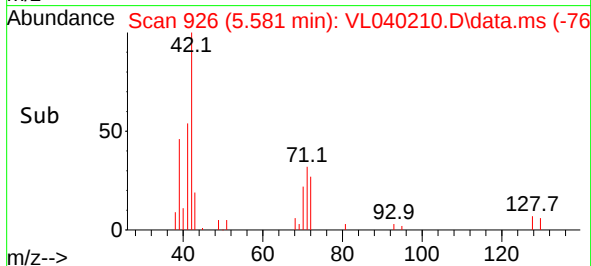
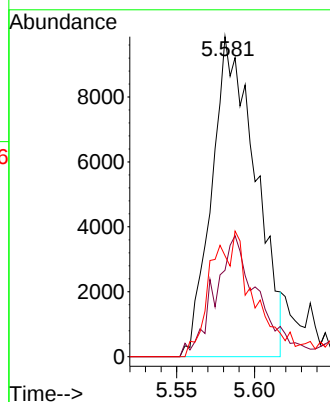
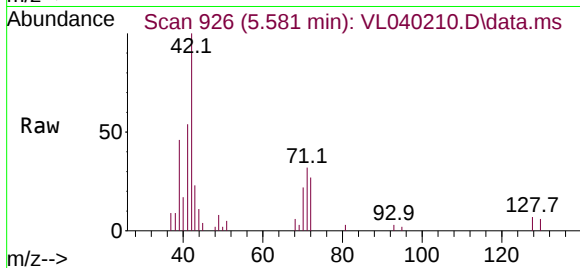
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

Tgt Ion:	42	Resp:	19195
Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.0	49.4
71	42.8	31.4	47.2



#42

Bromodichloromethane

Concen: 0.378 ppbv

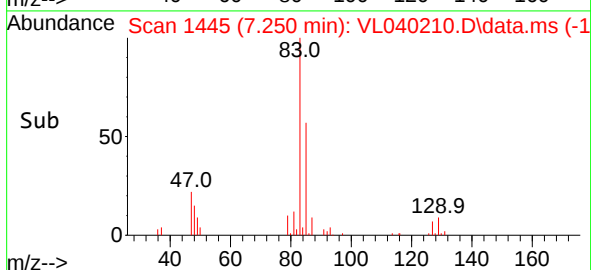
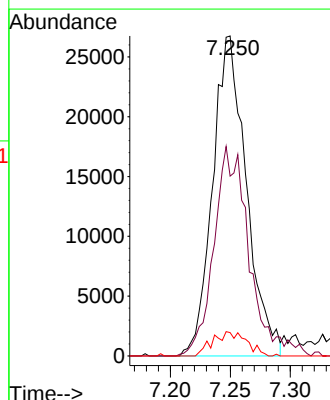
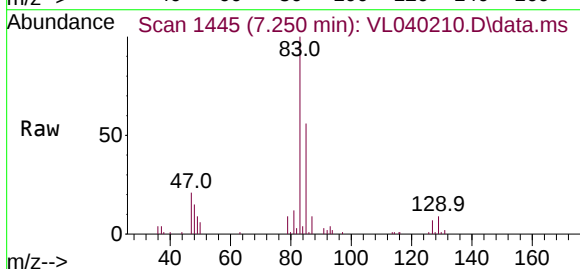
RT: 7.250 min Scan# 1445

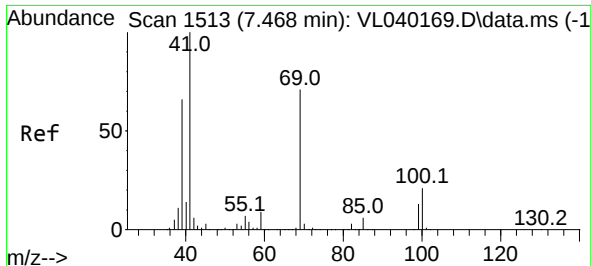
Delta R.T. -0.019 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Tgt Ion:	83	Resp:	52243
Ion	Ratio	Lower	Upper
83	100		
85	55.7	50.9	76.3
127	7.3	6.2	9.2

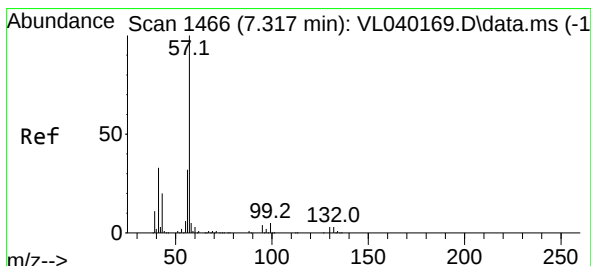
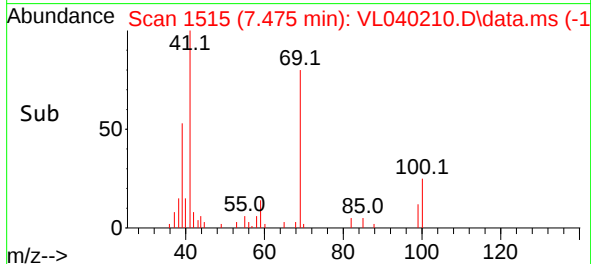
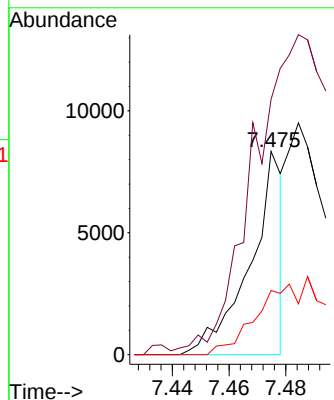
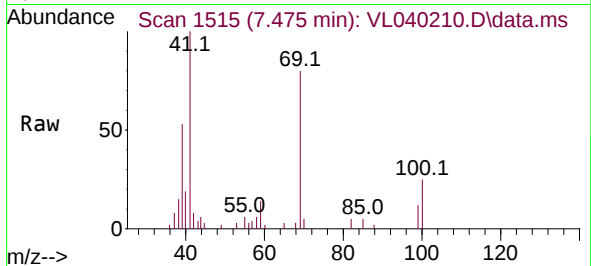




#43
Methyl Methacrylate
Concen: 0.111 ppbv
RT: 7.475 min Scan# 1515
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

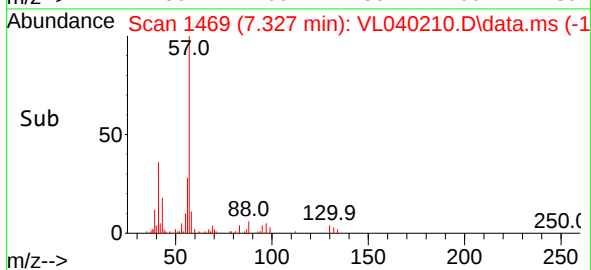
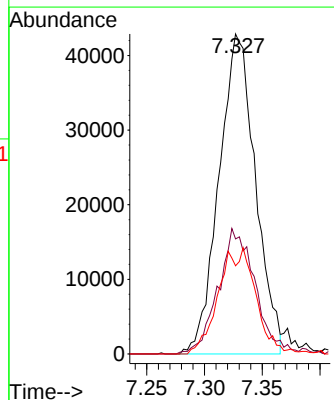
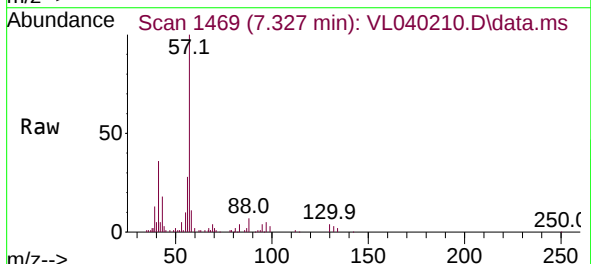
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

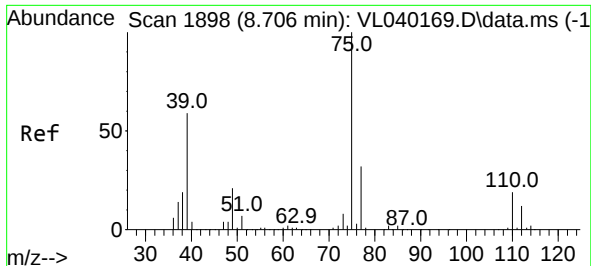
Tgt Ion: 69 Resp: 6573
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 25.6 38.4#



#44
2,2,4-Trimethylpentane
Concen: 0.352 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 57 Resp: 94022
Ion Ratio Lower Upper
57 100
41 40.3 26.2 39.4#
56 34.1 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.167 ppbv

RT: 8.709 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

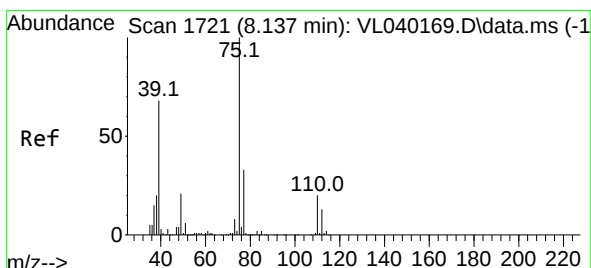
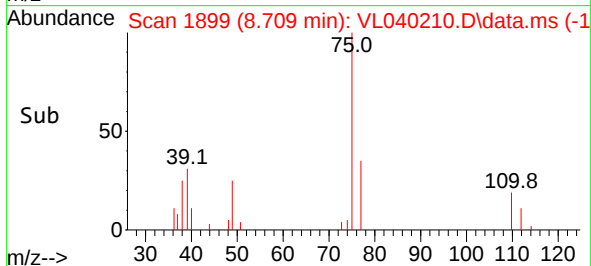
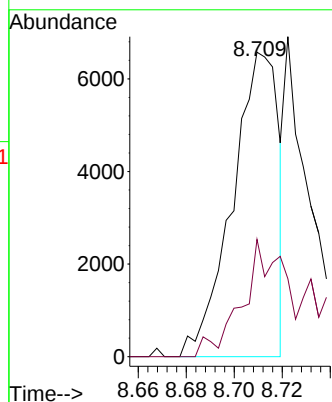
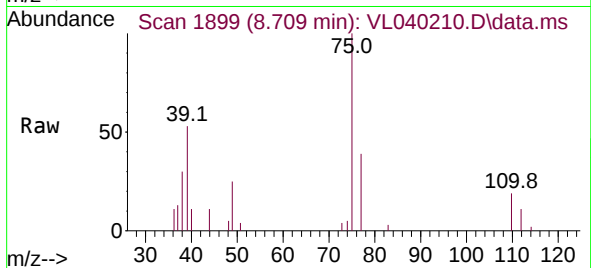
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 75 Resp: 8769

Ion Ratio Lower Upper

75 100

77 38.5 25.7 38.5#



#46

cis-1,3-Dichloropropene

Concen: 0.284 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. -0.016 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

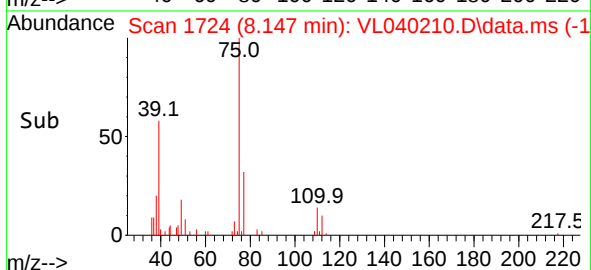
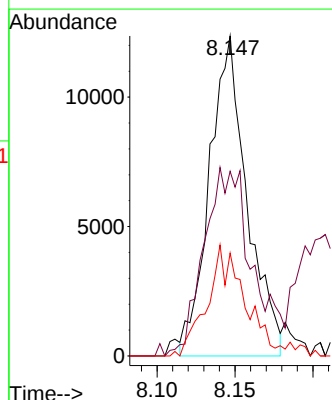
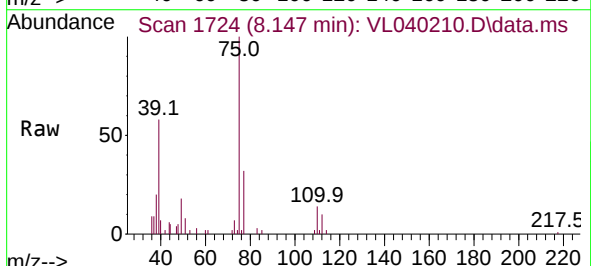
Tgt Ion: 75 Resp: 20784

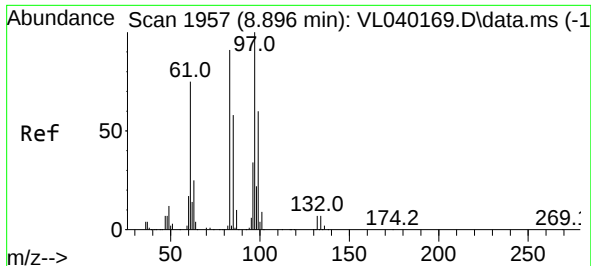
Ion Ratio Lower Upper

75 100

39 56.6 54.2 81.2

77 33.6 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.395 ppbv

RT: 8.899 min Scan# 1957

Delta R.T. -0.026 min

Lab File: VL040210.D

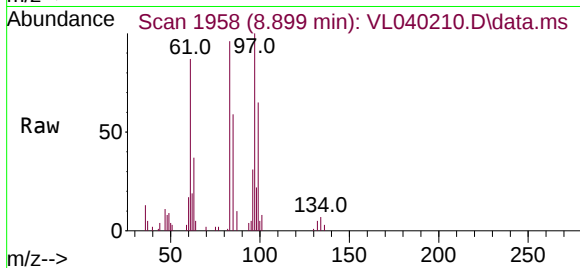
Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion: 97 Resp: 26565

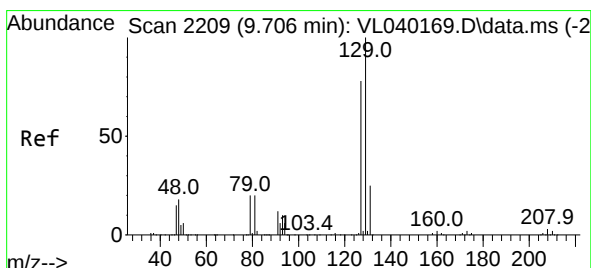
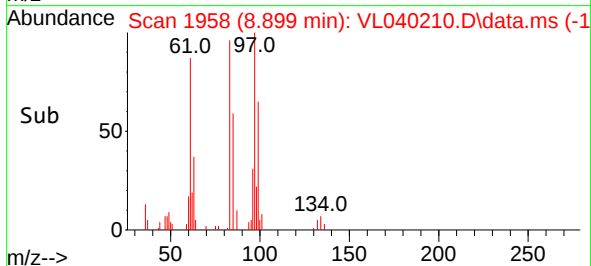
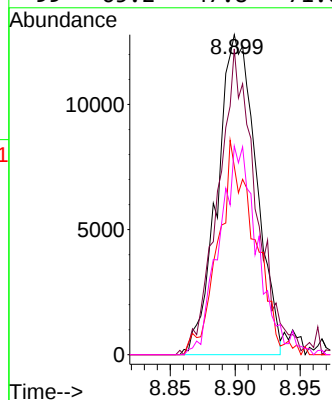
Ion Ratio Lower Upper

97 100

83 94.2 72.8 109.2

85 58.8 46.6 69.8

99 65.2 47.8 71.6



#48

Dibromochloromethane

Concen: 0.096 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. -0.035 min

Lab File: VL040210.D

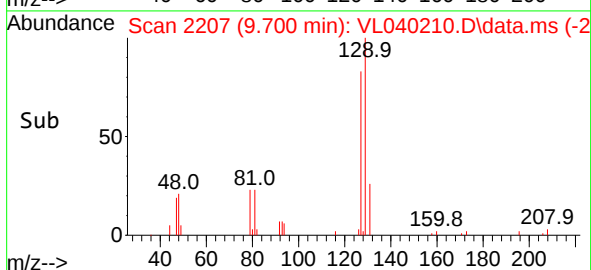
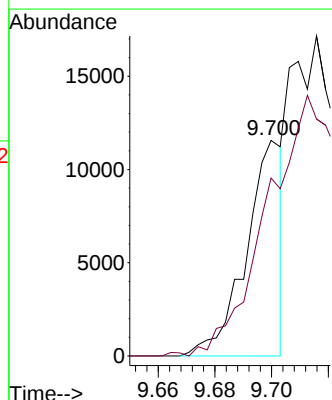
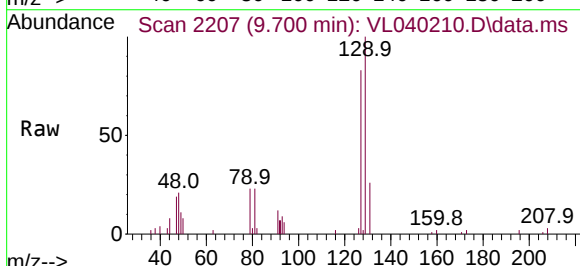
Acq: 22 Feb 2023 00:52

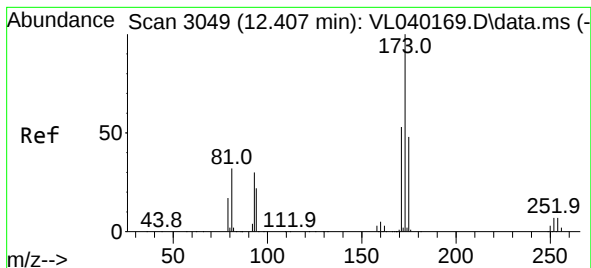
Tgt Ion: 129 Resp: 10313

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#





#49

Bromoform

Concen: 0.197 ppbv

RT: 12.414 min Scan# 3049

Delta R.T. -0.022 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

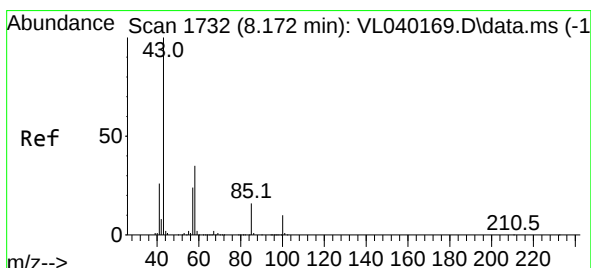
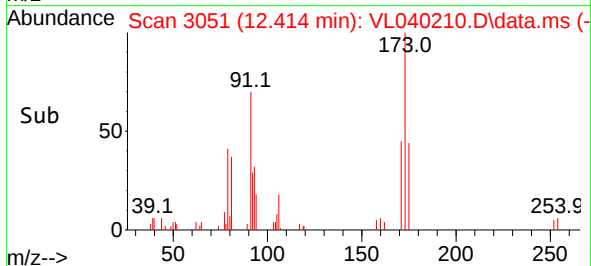
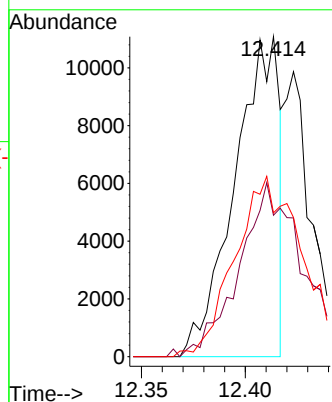
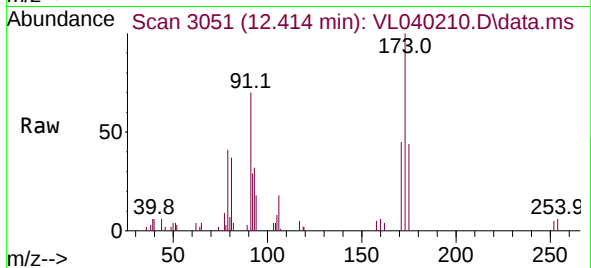
Tgt Ion:173 Resp: 16530

Ion Ratio Lower Upper

173 100

175 80.4 39.4 59.0#

171 86.1 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.337 ppbv

RT: 8.208 min Scan# 1743

Delta R.T. 0.007 min

Lab File: VL040210.D

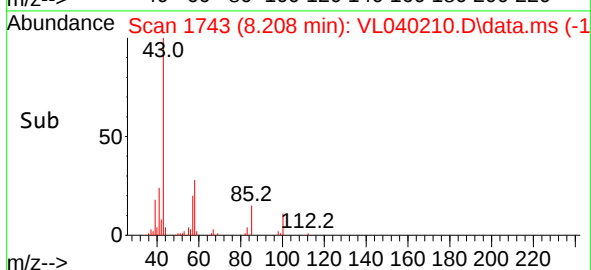
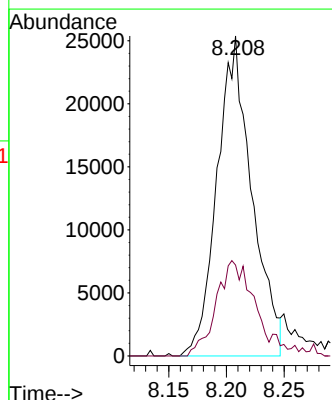
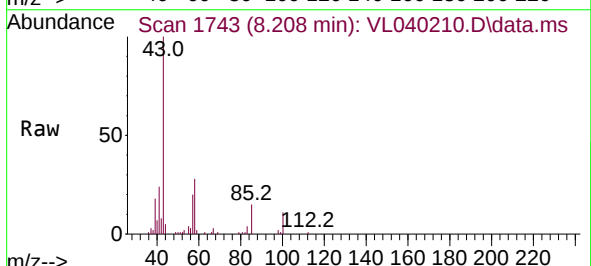
Acq: 22 Feb 2023 00:52

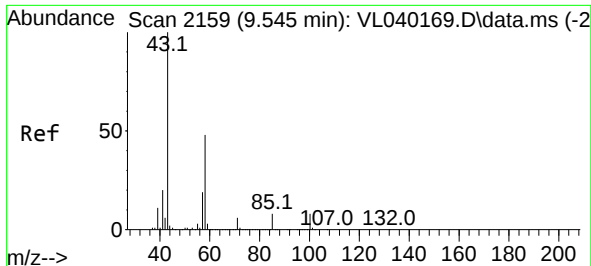
Tgt Ion: 43 Resp: 53092

Ion Ratio Lower Upper

43 100

58 34.9 29.2 43.8

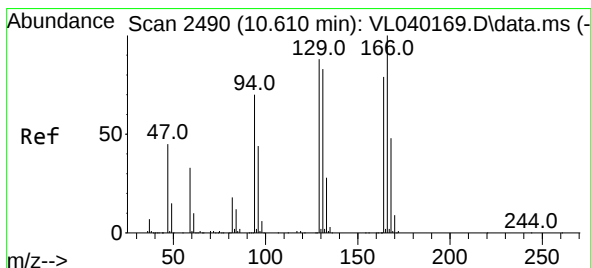
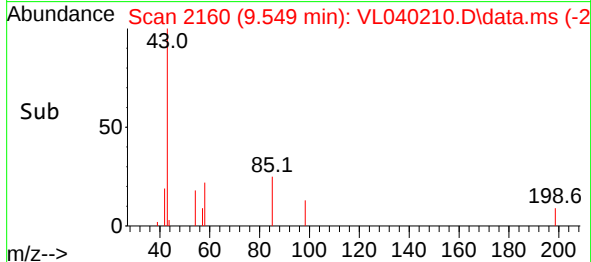
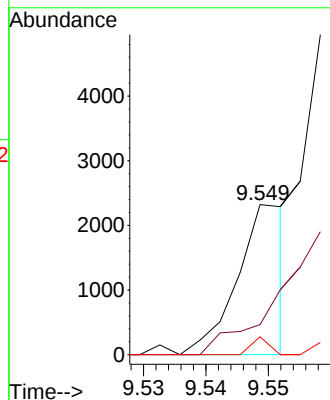
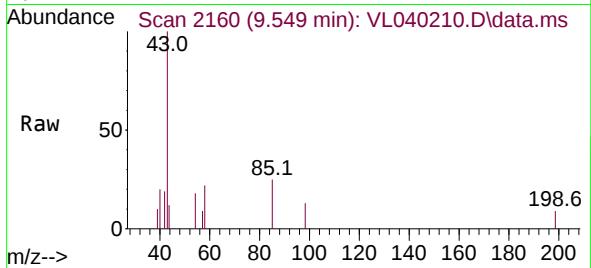




#51
2-Hexanone
Concen: 0.011 ppbv
RT: 9.549 min Scan# 2159
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

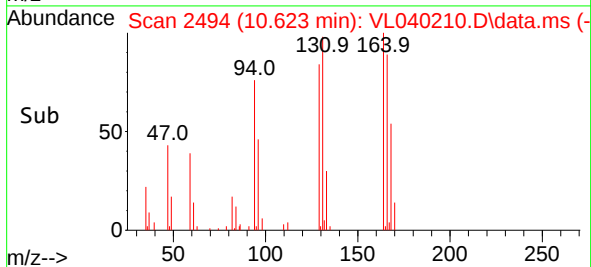
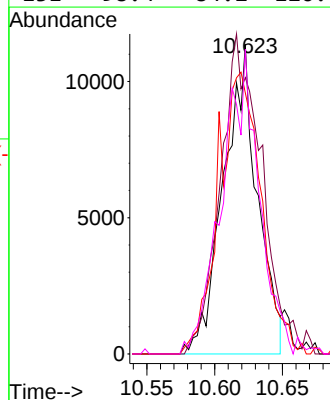
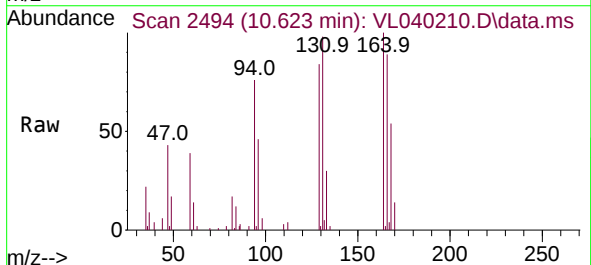
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT1-2023

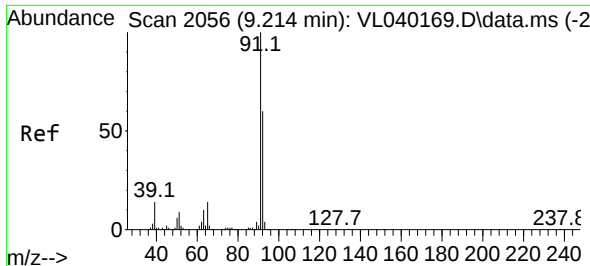
Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.395 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 164 Resp: 19733
Ion Ratio Lower Upper
164 100
166 89.2 101.5 152.3#
129 84.3 89.0 133.4#
131 98.4 84.2 126.4

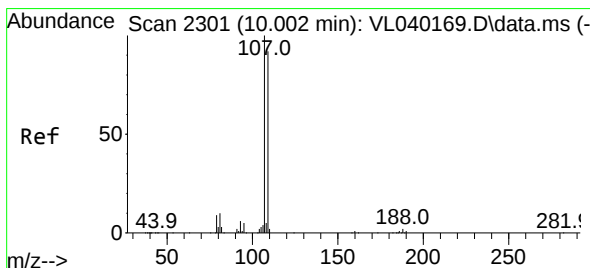
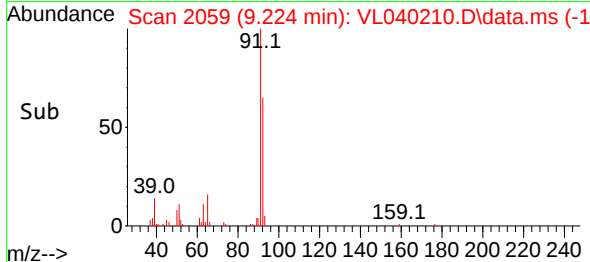
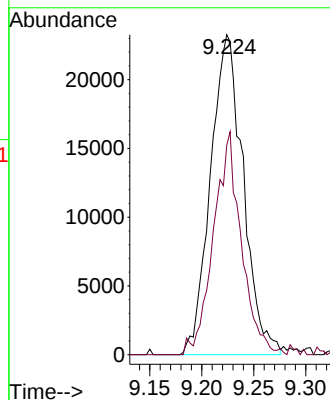
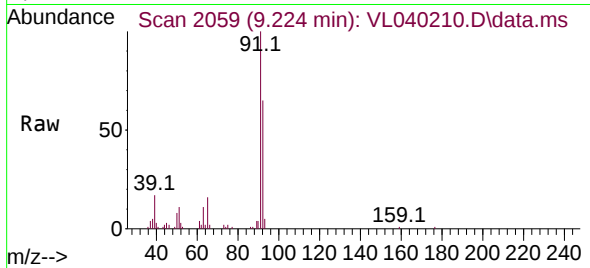




#53
Toluene
Concen: 0.297 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. -0.022 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

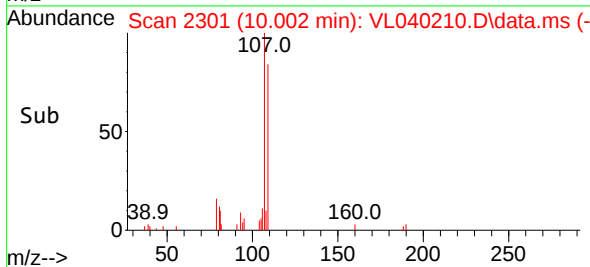
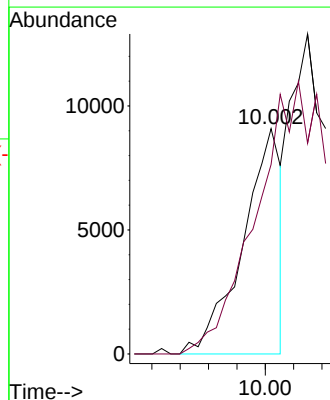
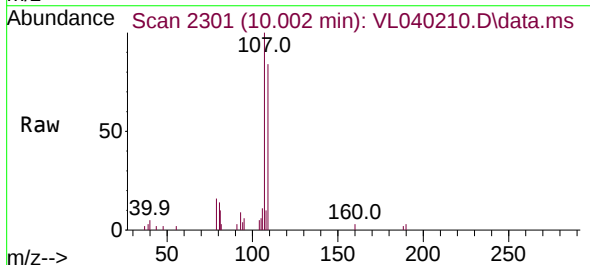
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT1-2023

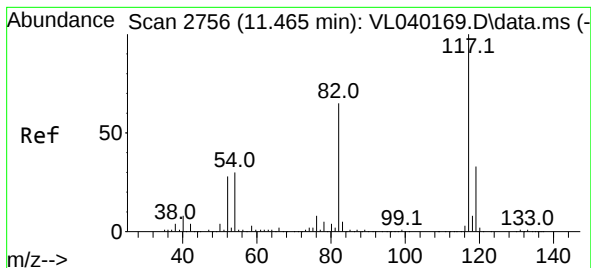
Tgt Ion: 91 Resp: 50878
Ion Ratio Lower Upper
91 100
92 60.0 48.9 73.3



#54
1,2-Dibromoethane
Concen: 0.122 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. -0.032 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 107 Resp: 8552
Ion Ratio Lower Upper
107 100
109 84.1 73.8 110.8

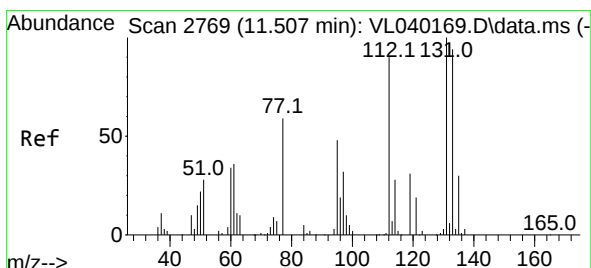
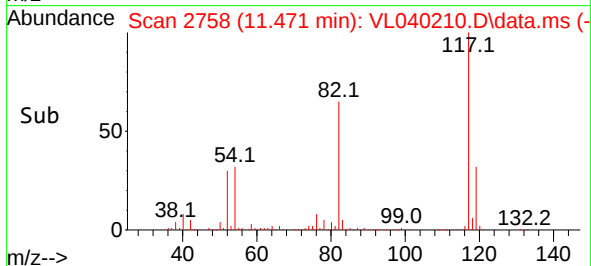
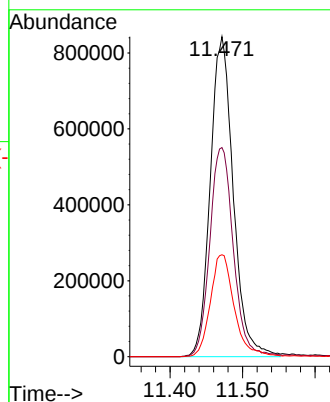
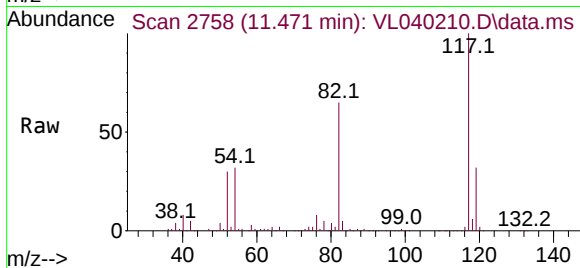




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

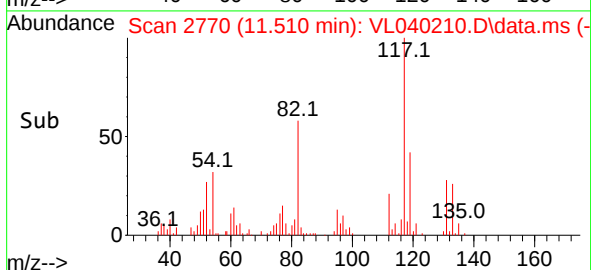
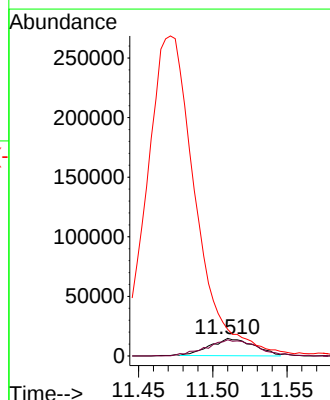
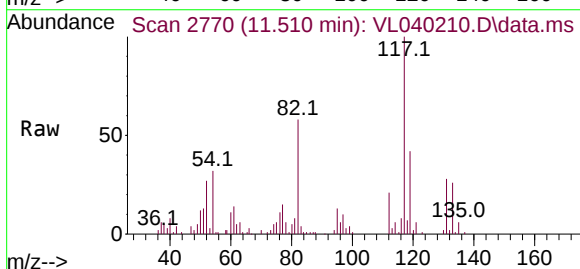
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

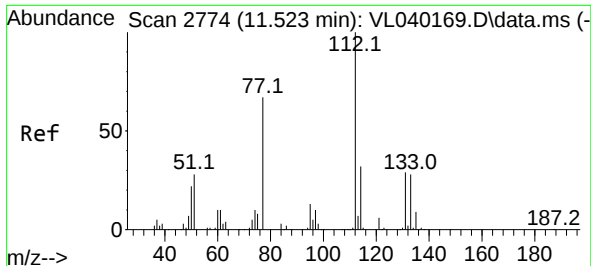
Tgt Ion:117 Resp: 1858473
Ion Ratio Lower Upper
117 100
82 67.9 53.3 79.9
119 33.1 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.383 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.029 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion:131 Resp: 29873
Ion Ratio Lower Upper
131 100
133 107.3 76.2 114.2
119 2076.5 45.4 68.0#





#57

Chlorobenzene

Concen: 0.414 ppbv

RT: 11.529 min Scan# 21

Delta R.T. -0.026 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

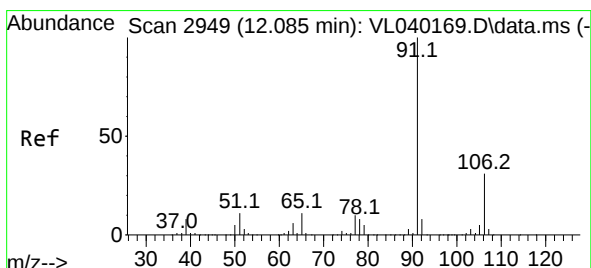
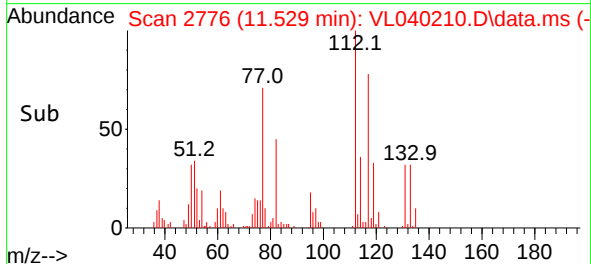
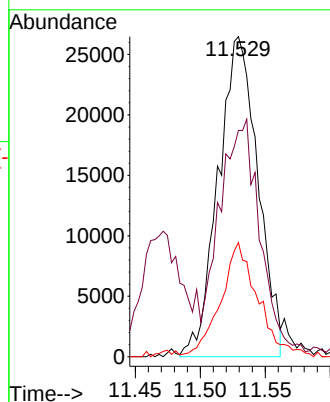
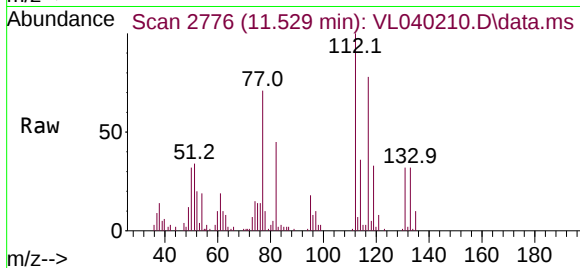
Tgt Ion:112 Resp: 56167

Ion Ratio Lower Upper

112 100

77 62.6 55.0 82.4

114 35.3 29.0 35.4



#58

Ethyl Benzene

Concen: 0.292 ppbv

RT: 12.095 min Scan# 2952

Delta R.T. -0.022 min

Lab File: VL040210.D

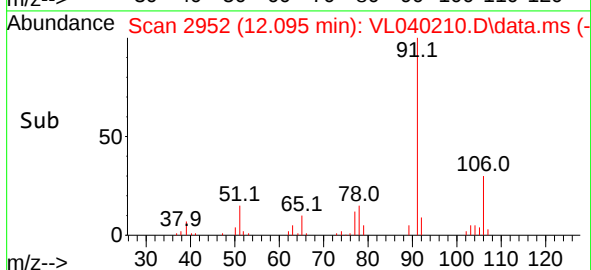
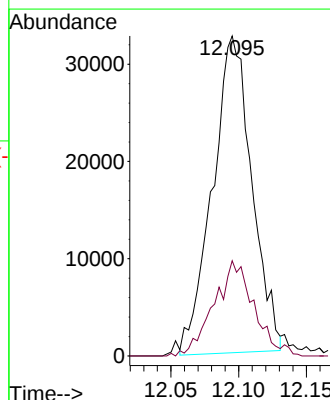
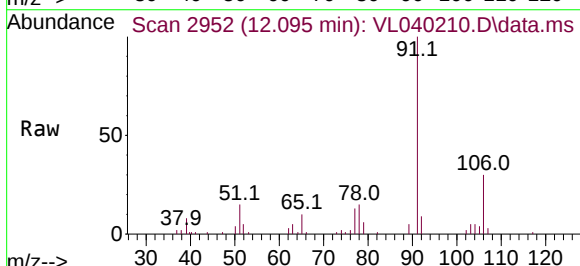
Acq: 22 Feb 2023 00:52

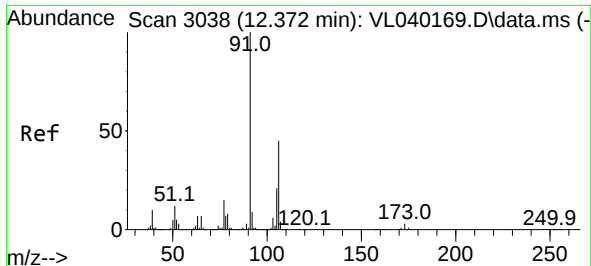
Tgt Ion: 91 Resp: 65893

Ion Ratio Lower Upper

91 100

106 28.7 24.9 37.3





#59

m/p-Xylene

Concen: 0.170 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.019 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_1

ClientSampleId :

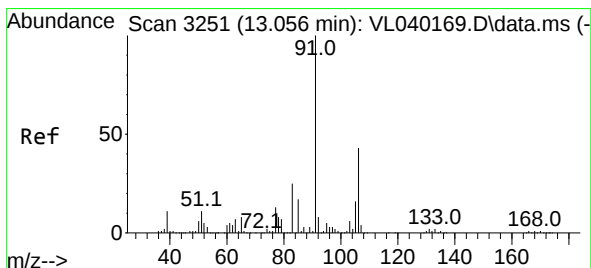
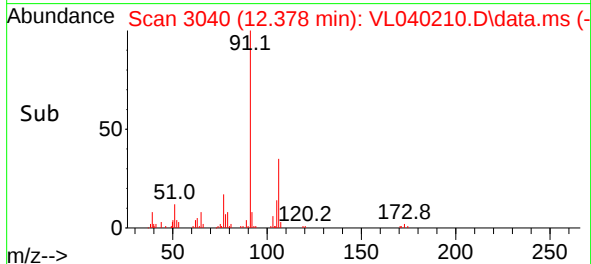
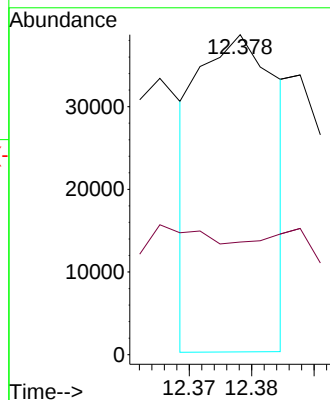
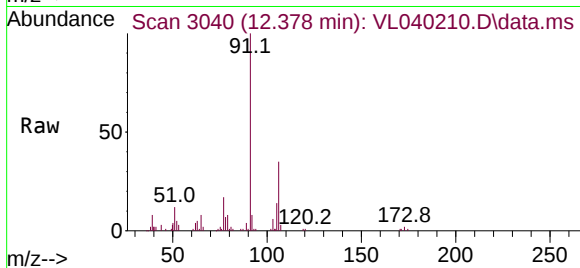
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 91 Resp: 33924

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#



#60

o-Xylene

Concen: 0.145 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.026 min

Lab File: VL040210.D

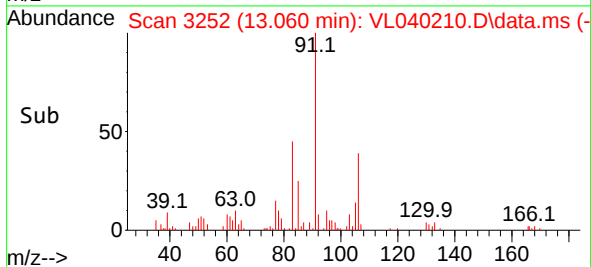
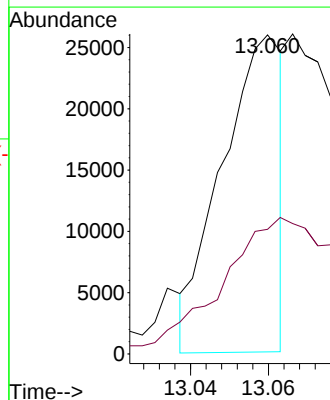
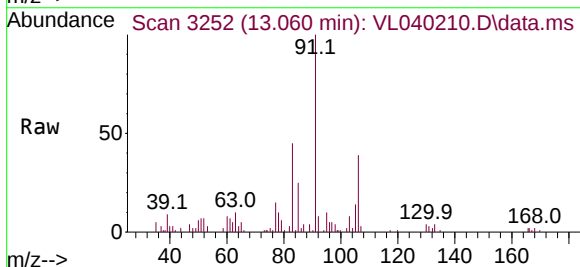
Acq: 22 Feb 2023 00:52

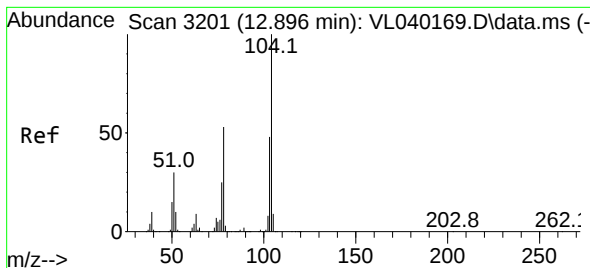
Tgt Ion: 91 Resp: 27809

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.131 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.022 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

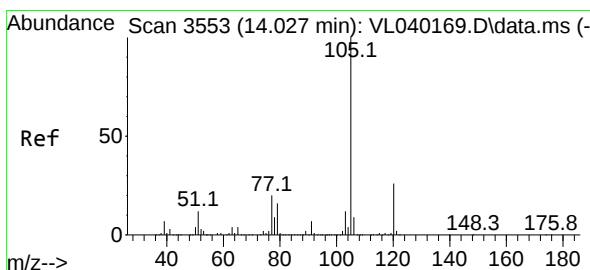
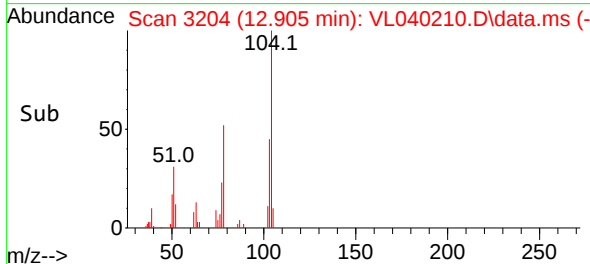
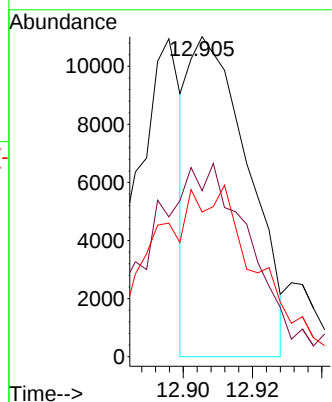
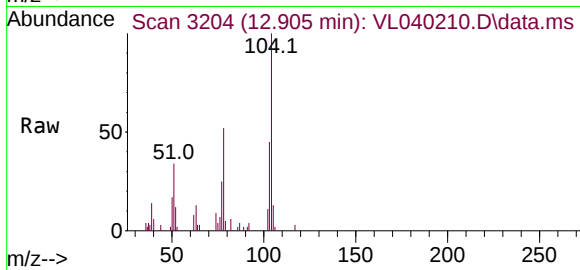
Tgt Ion:104 Resp: 13221

Ion Ratio Lower Upper

104 100

78 110.9 42.3 63.5#

103 98.6 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.361 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.029 min

Lab File: VL040210.D

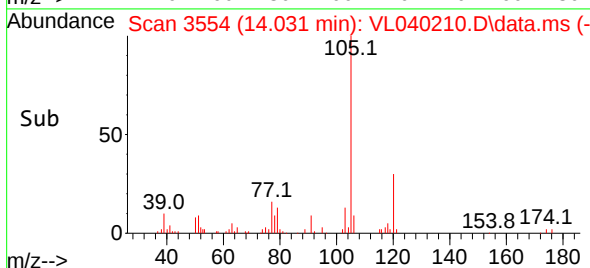
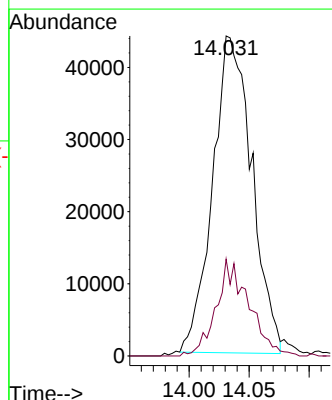
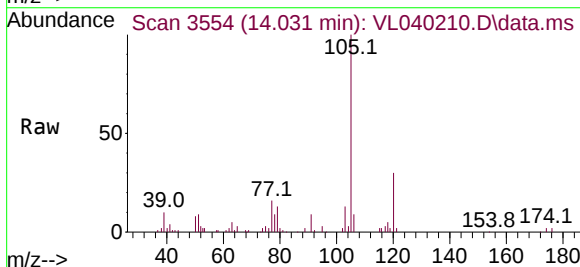
Acq: 22 Feb 2023 00:52

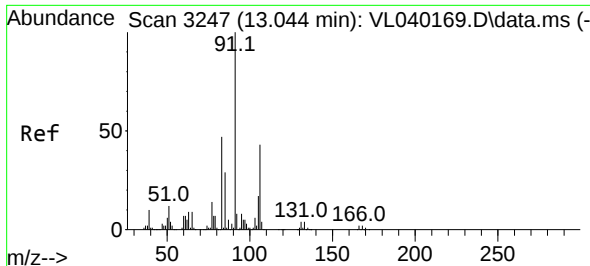
Tgt Ion:105 Resp: 99727

Ion Ratio Lower Upper

105 100

120 25.5 20.3 30.5

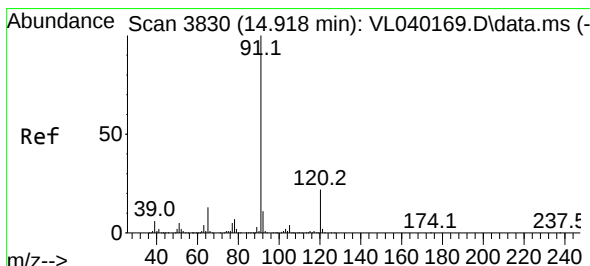
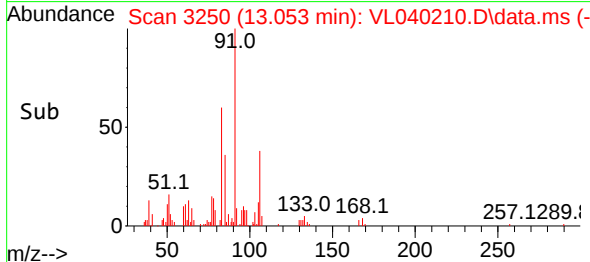
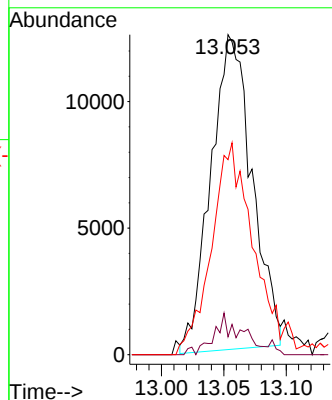
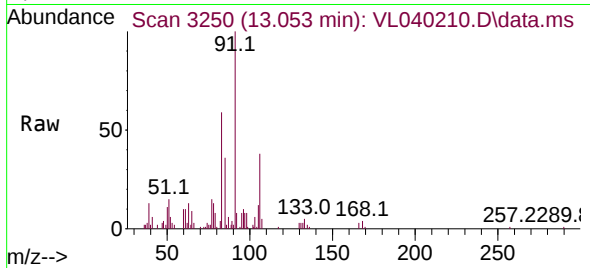




#63
1,1,2,2-Tetrachloroethane
Concen: 0.413 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

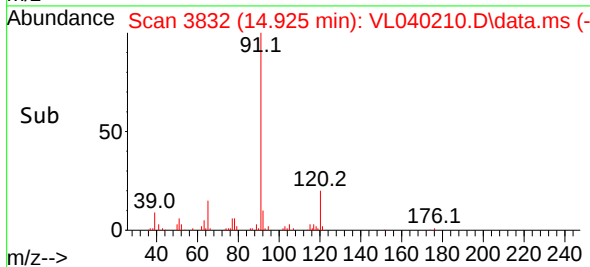
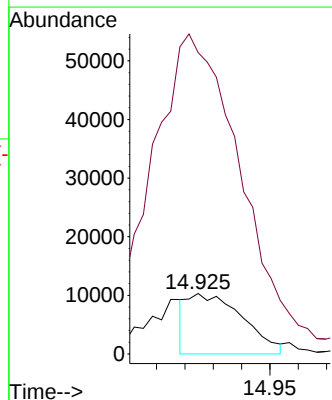
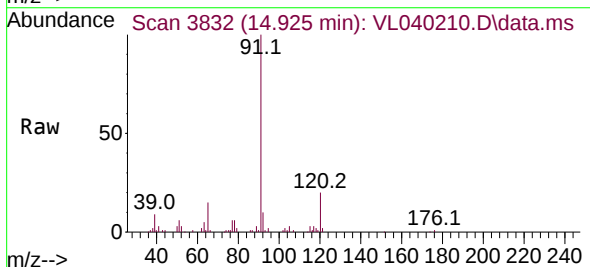
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

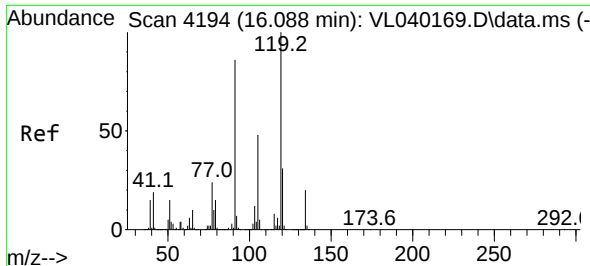
Tgt Ion: 83 Resp: 28626
Ion Ratio Lower Upper
83 100
131 9.6 4.4 13.2
85 71.1 33.0 99.0



#64
n-propylbenzene
Concen: 0.204 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 120 Resp: 13944
Ion Ratio Lower Upper
120 100
91 931.8 389.8 584.8#

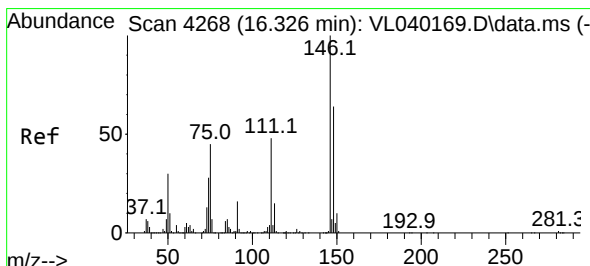
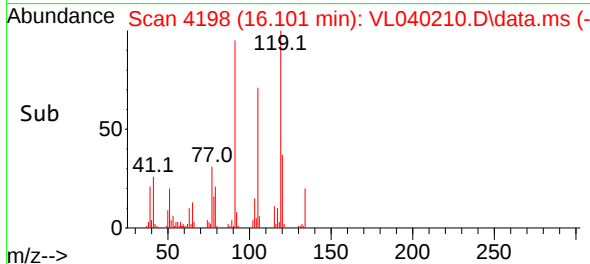
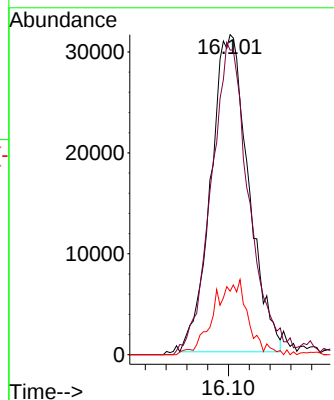
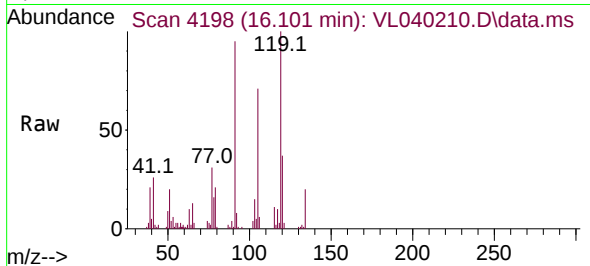




#65
tert-Butylbenzene
Concen: 0.330 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

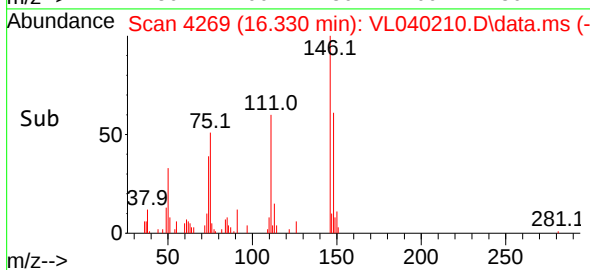
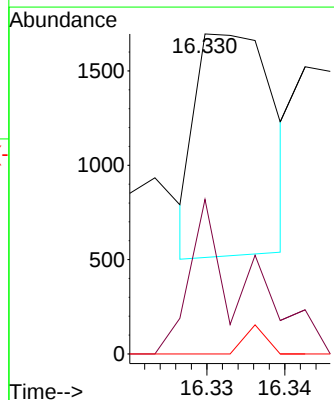
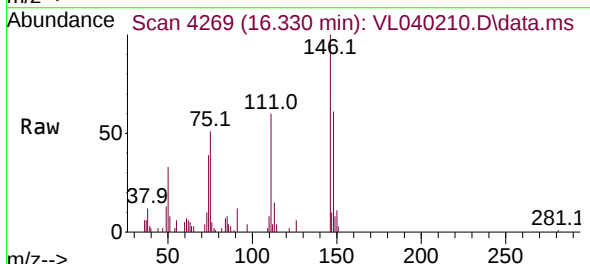
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

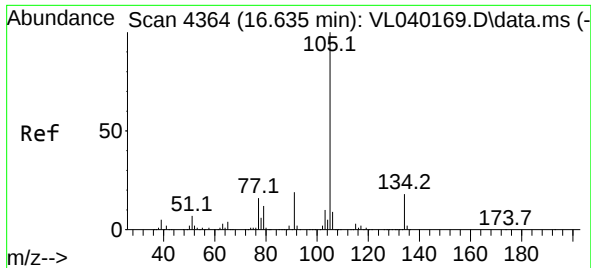
Tgt Ion:119 Resp: 79247
Ion Ratio Lower Upper
119 100
91 101.4 68.6 102.8
134 21.4 15.9 23.9



#66
Benzyl Chloride
Concen: 0.051 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. -0.029 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 91 Resp: 809
Ion Ratio Lower Upper
91 100
126 85.7 13.1 19.7#
128 0.0 4.1 6.1#

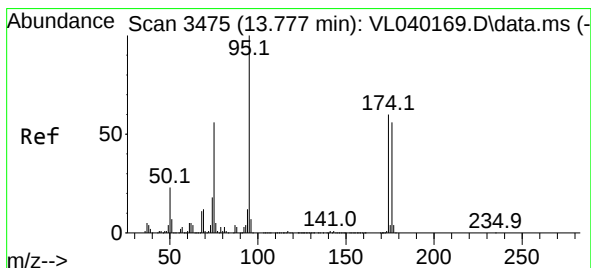
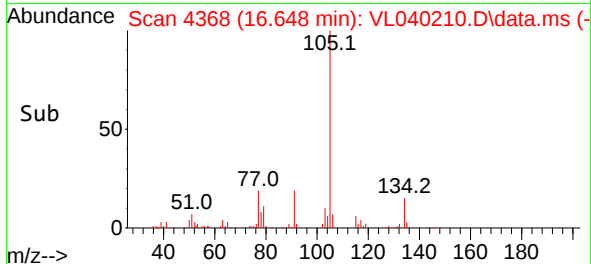
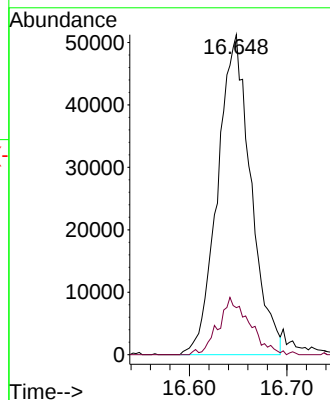
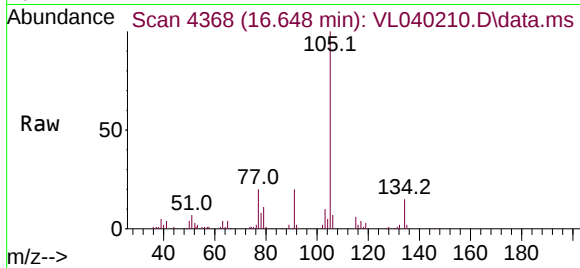




#67
 sec-Butylbenzene
 Concen: 0.352 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

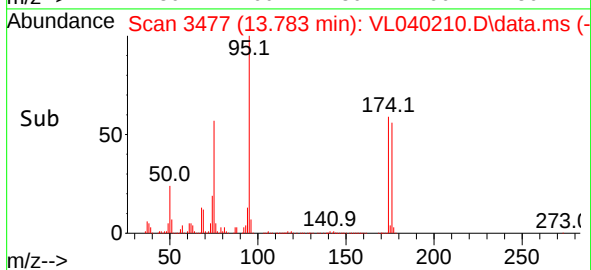
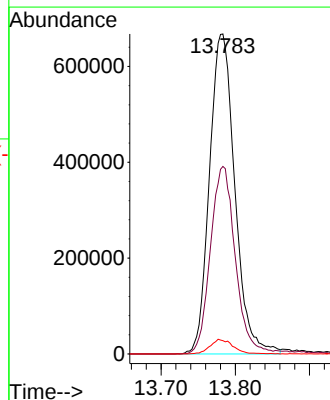
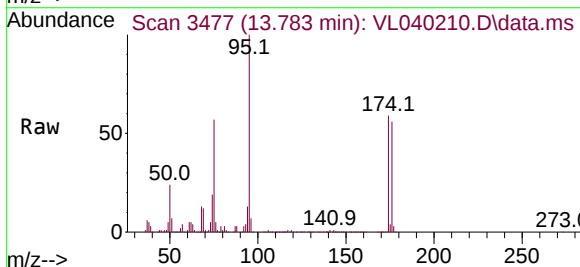
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

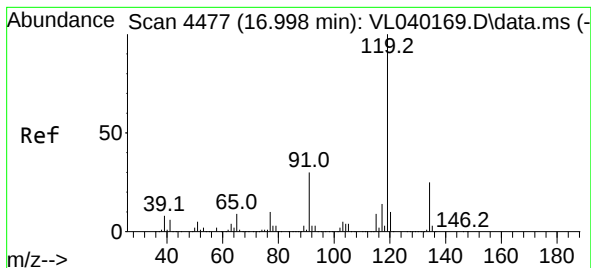
Tgt Ion:105 Resp: 121359
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.387 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.022 min
 Lab File: VL040210.D
 Acq: 22 Feb 2023 00:52

Tgt Ion: 95 Resp: 1587438
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.2 72.2
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.312 ppbv

RT: 17.008 min Scan# 44

Delta R.T. -0.016 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

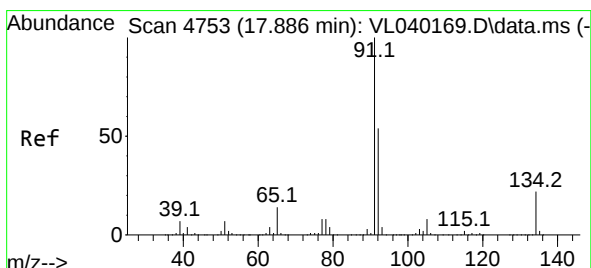
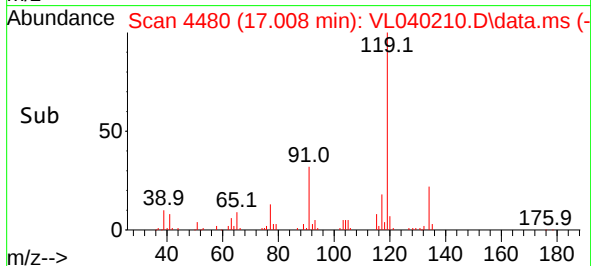
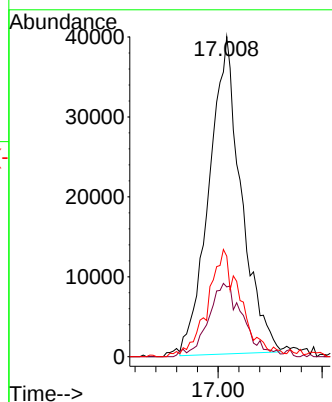
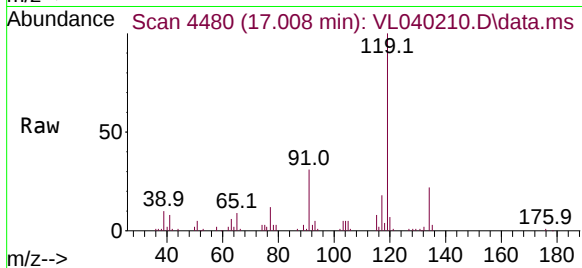
Tgt Ion:119 Resp: 85292

Ion Ratio Lower Upper

119 100

134 25.7 20.2 30.2

91 35.0 24.7 37.1



#70

n-Butylbenzene

Concen: 0.188 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. -0.019 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

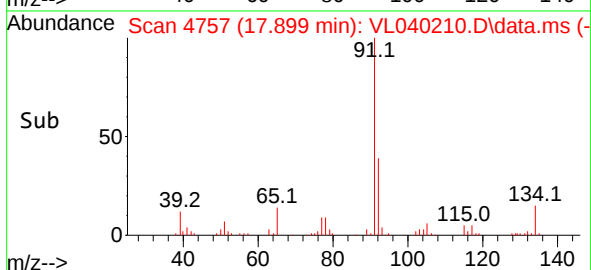
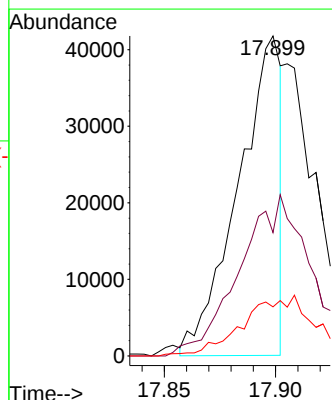
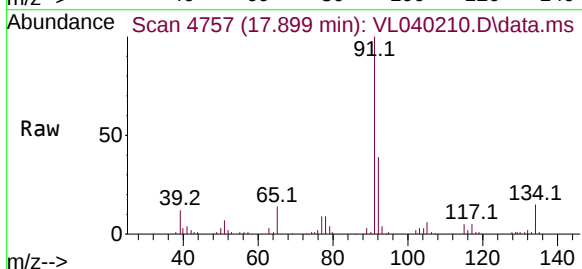
Tgt Ion: 91 Resp: 55810

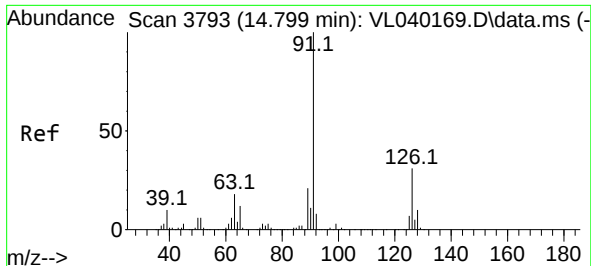
Ion Ratio Lower Upper

91 100

92 0.0 43.0 64.6#

134 0.0 16.9 25.3#

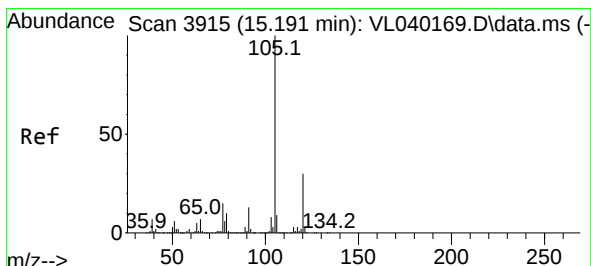
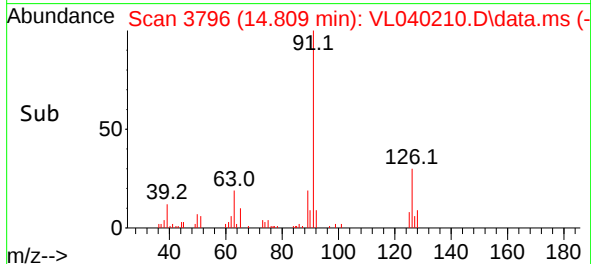
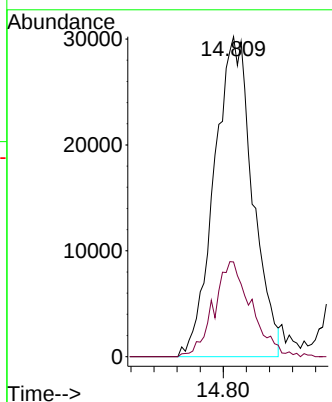
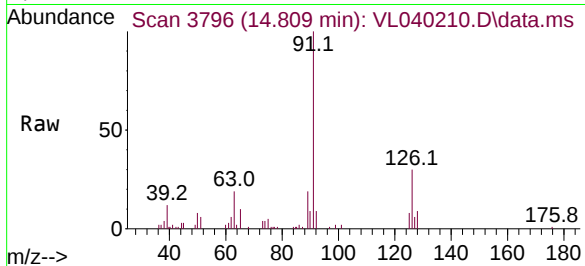




#71
2-Chlorotoluene
Concen: 0.331 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

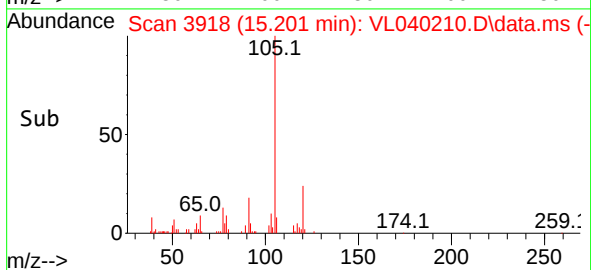
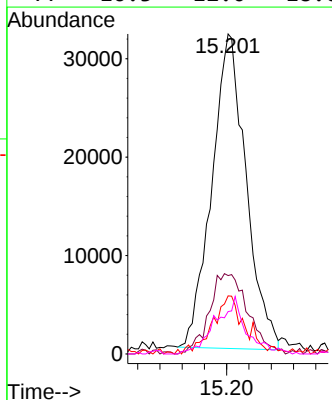
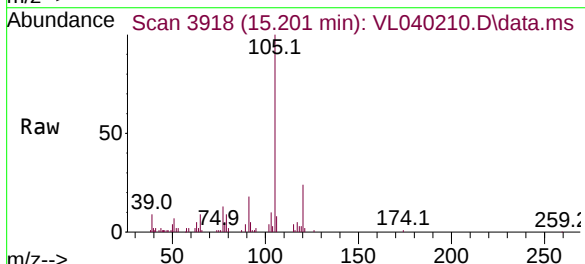
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

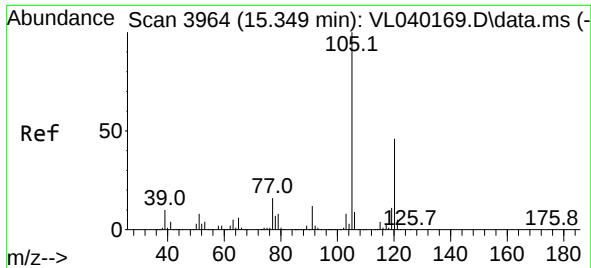
Tgt Ion: 91 Resp: 69901
Ion Ratio Lower Upper
91 100
126 29.2 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.321 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion: 105 Resp: 68325
Ion Ratio Lower Upper
105 100
120 29.0 23.2 34.8
91 16.3 11.3 16.9
77 16.3 12.0 18.0

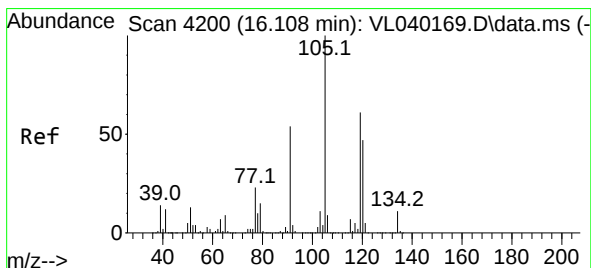
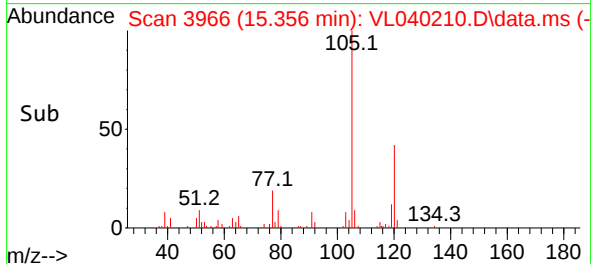
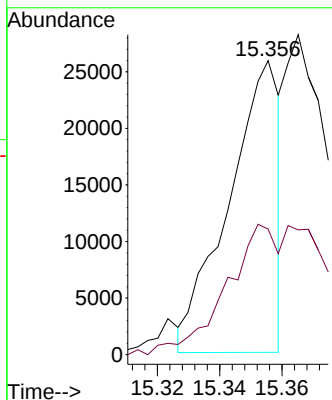
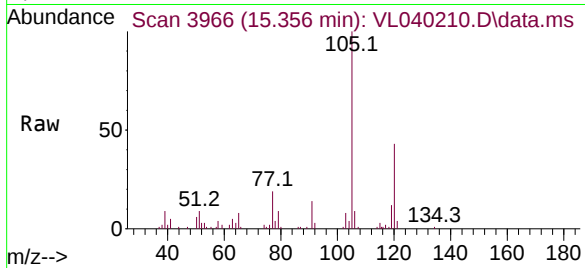




#73
1,3,5-Trimethylbenzene
Concen: 0.147 ppbv
RT: 15.356 min Scan# 3966
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

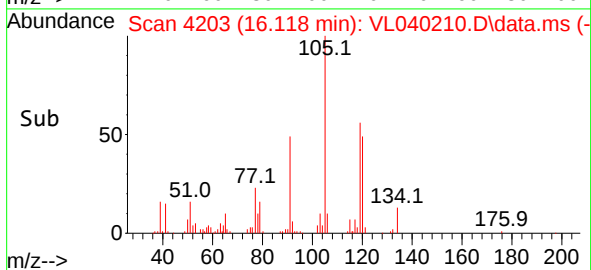
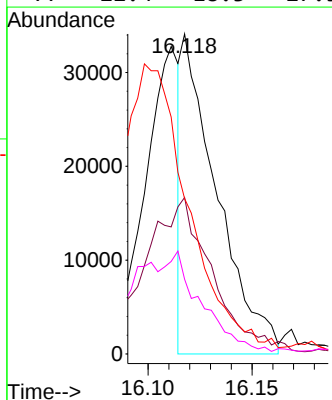
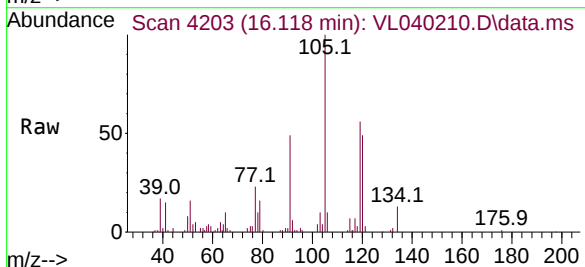
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

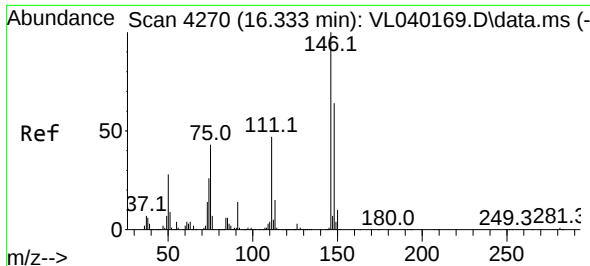
Tgt Ion:105 Resp: 29033
Ion Ratio Lower Upper
105 100
120 43.2 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 0.183 ppbv
RT: 16.118 min Scan# 4203
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion:105 Resp: 39826
Ion Ratio Lower Upper
105 100
120 46.4 37.9 56.9
91 48.0 43.7 65.5
77 22.4 18.3 27.5

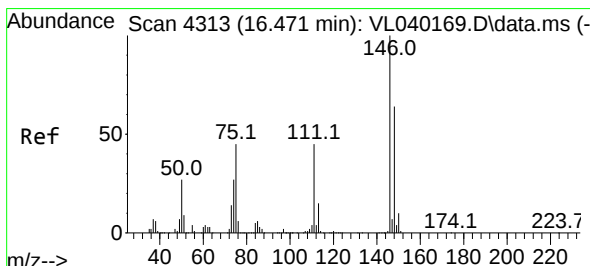
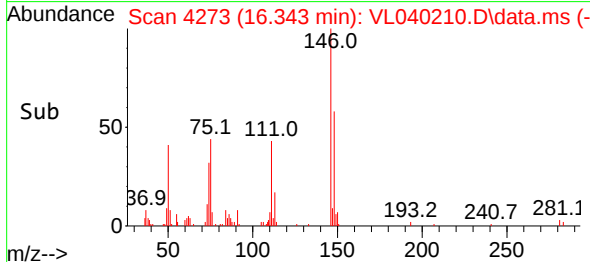
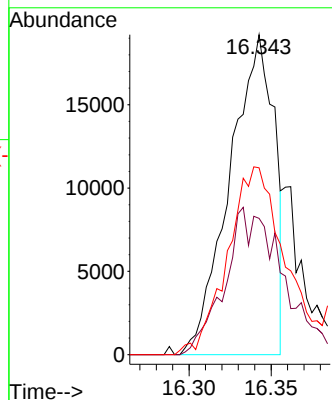
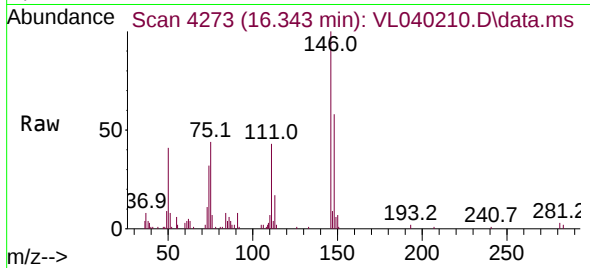




#75
1,3-Dichlorobenzene
Concen: 0.305 ppbv
RT: 16.343 min Scan# 4315
Delta R.T. -0.019 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

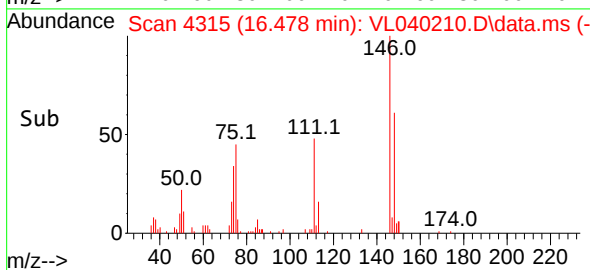
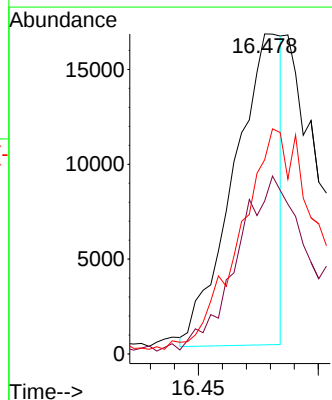
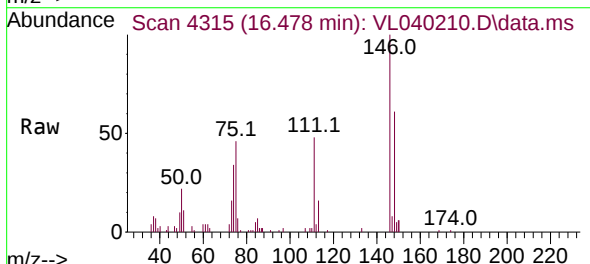
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

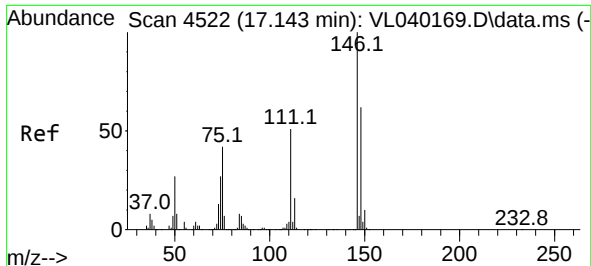
Tgt Ion:146 Resp: 36334
Ion Ratio Lower Upper
146 100
111 62.2 23.9 71.8
148 78.6 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 0.195 ppbv
RT: 16.478 min Scan# 4315
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion:146 Resp: 22685
Ion Ratio Lower Upper
146 100
111 97.0 23.5 70.5#
148 133.9 32.5 97.4#

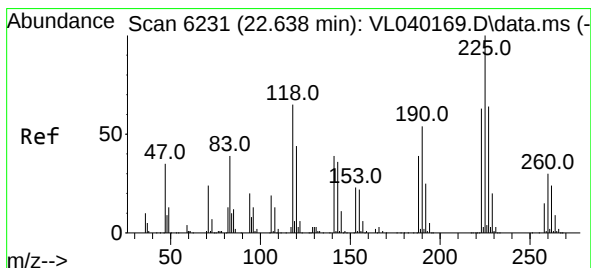
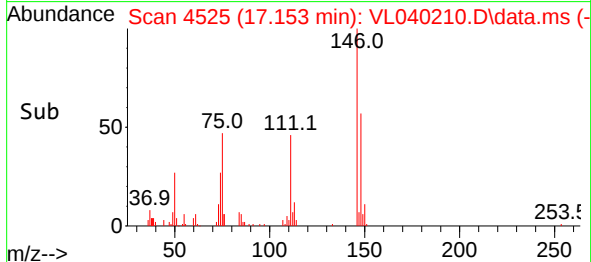
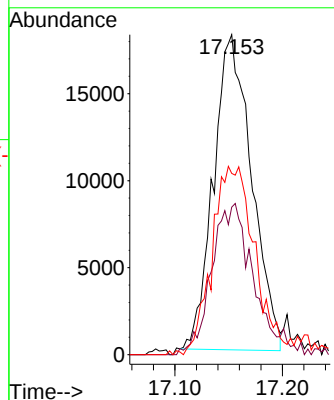
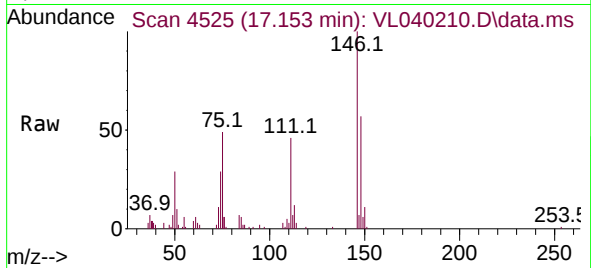




#77
1,2-Dichlorobenzene
Concen: 0.378 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

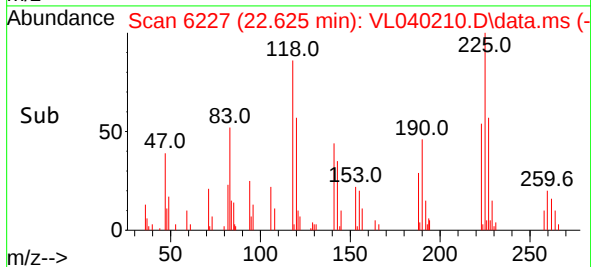
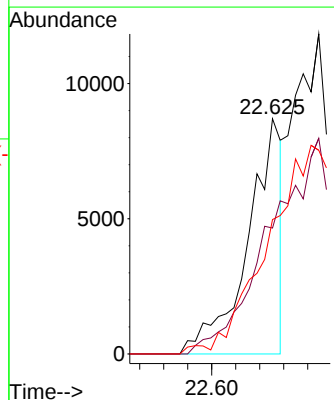
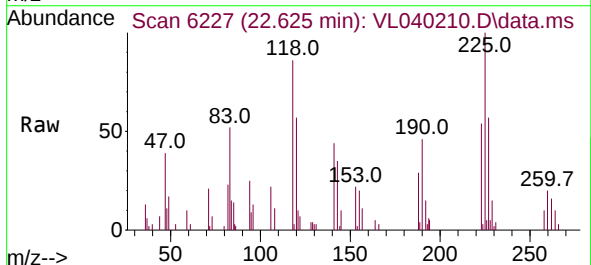
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

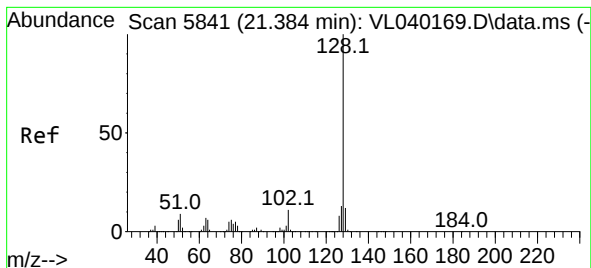
Tgt Ion:146 Resp: 44684
Ion Ratio Lower Upper
146 100
111 53.6 25.3 75.8
148 70.4 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.105 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. -0.042 min
Lab File: VL040210.D
Acq: 22 Feb 2023 00:52

Tgt Ion:225 Resp: 8564
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#





#79

Naphthalene

Concen: 0.113 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. -0.019 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

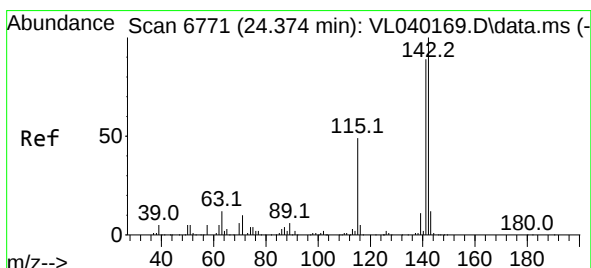
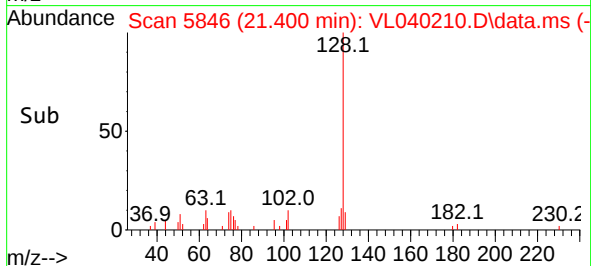
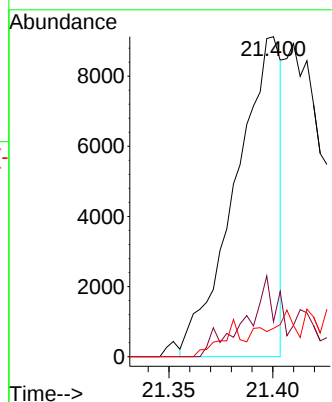
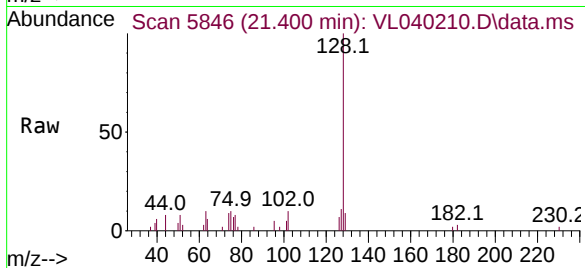
Tgt Ion:128 Resp: 13856

Ion Ratio Lower Upper

128 100

127 8.8 10.2 15.4#

129 9.1 9.4 14.0#



#80

Naphthalene,2-methyl-

Concen: 0.066 ppbv

RT: 24.397 min Scan# 6778

Delta R.T. -0.003 min

Lab File: VL040210.D

Acq: 22 Feb 2023 00:52

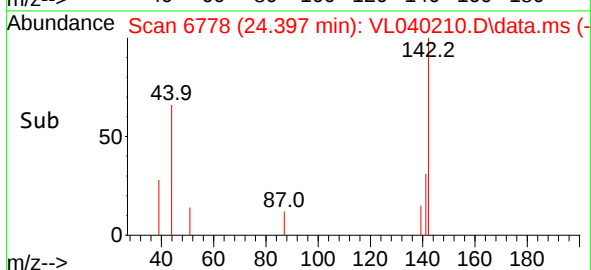
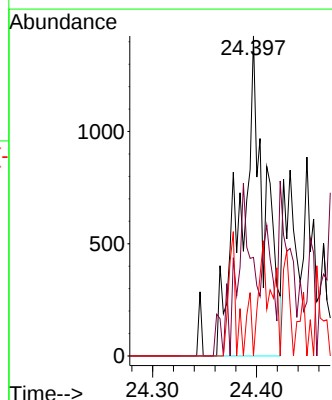
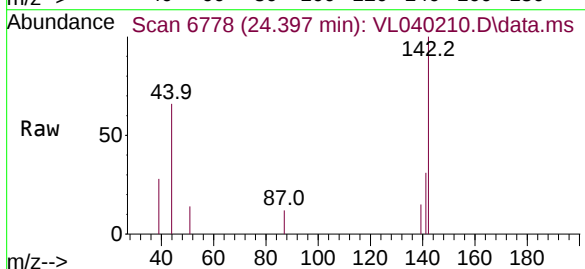
Tgt Ion:142 Resp: 2281

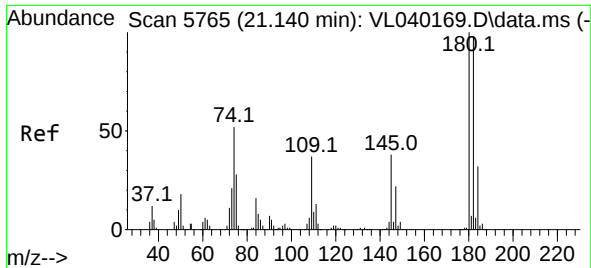
Ion Ratio Lower Upper

142 100

141 81.6 67.3 100.9

115 34.3 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.109 ppbv

RT: 21.146 min Scan# 51

Delta R.T. -0.029 min

Lab File: VL040210.D

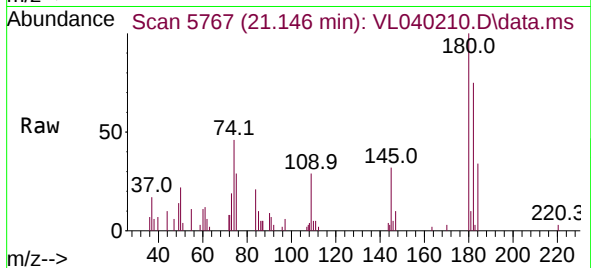
Acq: 22 Feb 2023 00:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion:180 Resp: 8295

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 79.9 24.6 36.8#

