

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040211.D
 Acq On : 22 Feb 2023 1:29
 Operator : SY/MD
 Sample : 01627-13 LOD 0.0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 22 05:11:23 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	5.189	49	799890	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.651	114	2035993	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	1801094	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1487641	10.045	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	19184	0.129	ppbv	99
3) Chlorodifluoromethane	2.668	51	11049	0.116	ppbv	94
4) Chloromethane	2.809	50	8098	0.135	ppbv #	84
5) Vinyl Chloride	2.915	62	5291	0.110	ppbv #	35
6) Bromomethane	3.111	94	1314	0.075	ppbv #	80
7) Chloroethane	3.182	64	810	0.042	ppbv #	82
8) Dichlorotetrafluoroethane	2.851	85	13704	0.107	ppbv	94
9) Propene	2.690	41	3067	0.079	ppbv #	54
10) Heptane	7.577	43	4309	0.046	ppbv #	57
11) Trichlorofluoromethane	3.558	101	15263	0.114	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	10997	0.111	ppbv	93
13) Ethanol	3.243	45	173	0.048	ppbv	86
14) Bromoethene	3.359	108	2961	0.078	ppbv #	53
15) Acetone	3.488	43	17007	0.177	ppbv #	85
16) 1,3-Butadiene	2.976	39	2628	0.060	ppbv #	55
17) tert-Butyl alcohol	3.870	59	108	0.001	ppbv #	72
18) 1,1-Dichloroethene	3.877	96	5818	0.136	ppbv #	55
19) Isopropyl Alcohol	3.594	45	1083	0.024	ppbv #	90
20) Methylene Chloride	3.928	84	13749	0.274	ppbv	93
21) Allyl Chloride	3.986	41	1562	0.026	ppbv #	19
22) trans-1,2-Dichloroethene	4.555	96	146	0.003	ppbv	93
23) Vinyl Acetate	4.626	43	977	0.033	ppbv #	78
24) 1,1-Dichloroethane	4.558	63	9049	0.099	ppbv #	97
25) Ethyl Acetate	5.211	43	16099	0.090	ppbv #	95
26) Hexane	5.208	57	4862	0.063	ppbv #	1
27) Carbon Disulfide	4.121	76	8343	0.086	ppbv #	25
28) Methyl tert-Butyl Ether	4.607	73	7335	0.089	ppbv #	82
29) Chloroform	5.269	83	14150	0.107	ppbv #	82
30) Cyclohexane	6.597	84	1162	0.019	ppbv #	1
31) cis-1,2-Dichloroethene	5.079	61	4535	0.062	ppbv #	64
32) 1,1,1-Trichloroethane	5.996	97	6566	0.053	ppbv #	19
34) 2-Butanone	4.803	43	4119	0.041	ppbv #	53
35) Carbon Tetrachloride	6.500	117	3993	0.033	ppbv	92
36) Benzene	6.372	78	7717	0.049	ppbv	98
37) 1,2-Dichloroethane	5.799	62	4111	0.041	ppbv #	82
38) Trichloroethene	7.291	130	3995	0.046	ppbv	89
39) 1,2-Dichloropropane	6.651	63	518819	8.417	ppbv #	26
40) 1,4-Dioxane	7.259	88	138	0.006	ppbv #	1
41) Tetrahydrofuran	5.571	42	160	0.003	ppbv #	35
42) Bromodichloromethane	7.250	83	6920	0.051	ppbv #	35
43) Methyl Methacrylate	7.468	69	594	0.010	ppbv #	1
44) 2,2,4-Trimethylpentane	7.327	57	12524	0.047	ppbv #	46
45) t-1,3-Dichloropropene	8.719	75	392	0.008	ppbv	90

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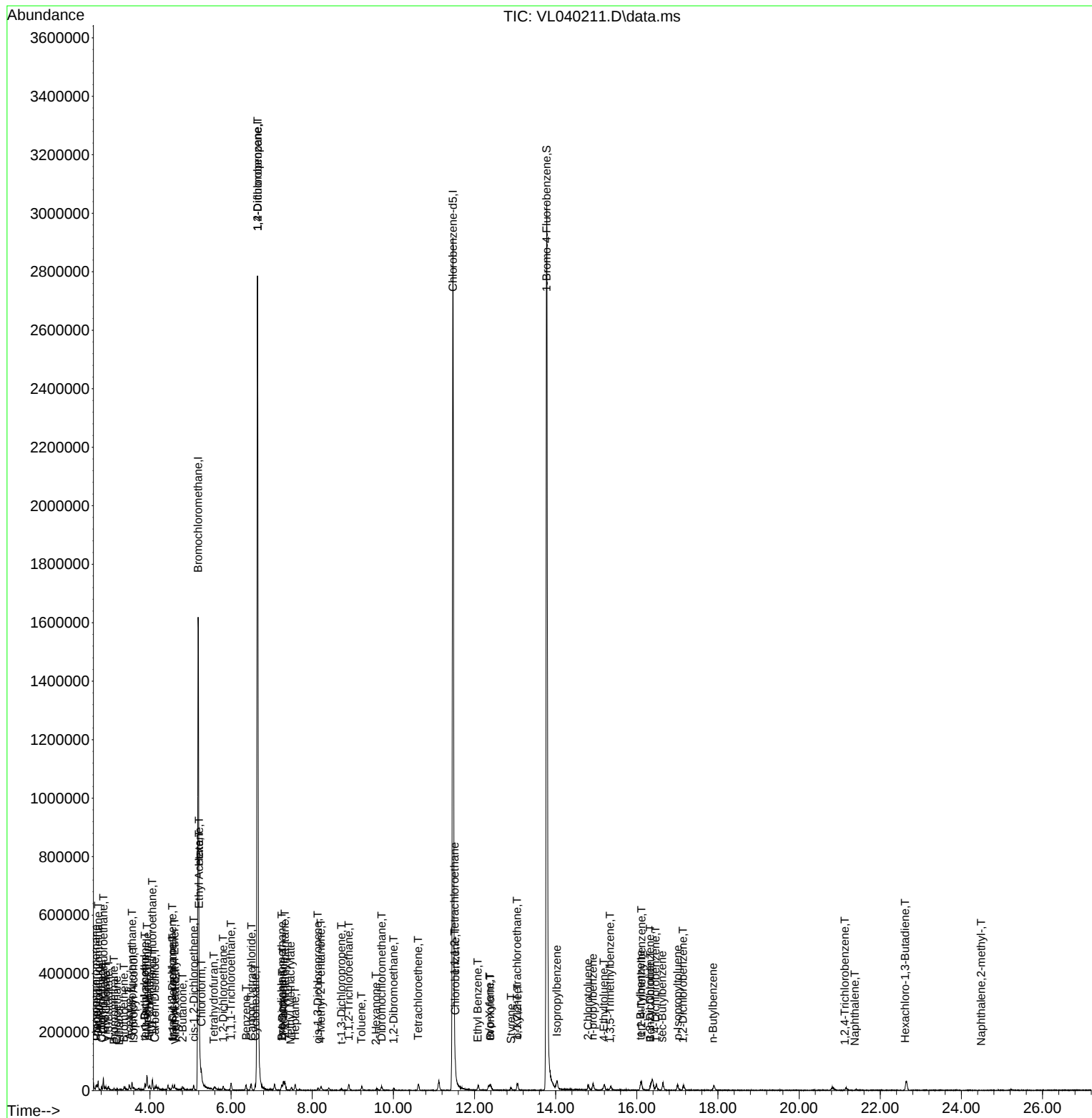
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	8.137	75	2102	0.029	ppbv	#	61
47) 1,1,2-Trichloroethane	8.896	97	1490	0.022	ppbv	#	17
48) Dibromochloromethane	9.709	129	5723	0.054	ppbv		62
49) Bromoform	12.391	173	808	0.010	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.211	43	5275	0.034	ppbv	#	48
51) 2-Hexanone	9.571	43	782	0.007	ppbv	#	29
52) Tetrachloroethene	10.613	164	2904	0.059	ppbv	#	71
53) Toluene	9.211	91	1769	0.010	ppbv	#	20
54) 1,2-Dibromoethane	10.002	107	1888	0.027	ppbv		90
56) 1,1,1,2-Tetrachloroethane	11.507	131	2849	0.038	ppbv	#	1
57) Chlorobenzene	11.526	112	4354	0.033	ppbv	#	57
58) Ethyl Benzene	12.079	91	4116	0.019	ppbv		96
59) m/p-Xylene	12.371	91	2705	0.014	ppbv	#	33
60) o-Xylene	13.056	91	1510	0.008	ppbv	#	1
61) Styrene	12.902	104	2737	0.028	ppbv	#	33
62) Isopropylbenzene	14.031	105	13326	0.050	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	13.047	83	2006	0.030	ppbv	#	25
64) n-propylbenzene	14.915	120	998	0.015	ppbv	#	1
65) tert-Butylbenzene	16.088	119	4136	0.018	ppbv	#	16
66) Benzyl Chloride	16.330	91	280	0.018	ppbv	#	67
67) sec-Butylbenzene	16.625	105	3828	0.011	ppbv	#	60
69) p-Isopropyltoluene	17.005	119	6717	0.025	ppbv	#	42
70) n-Butylbenzene	17.879	91	609	0.002	ppbv	#	33
71) 2-Chlorotoluene	14.799	91	7042	0.034	ppbv	#	45
72) 4-Ethyltoluene	15.185	105	2156	0.010	ppbv	#	55
73) 1,3,5-Trimethylbenzene	15.342	105	1969	0.010	ppbv	#	34
74) 1,2,4-Trimethylbenzene	16.117	105	7484	0.036	ppbv	#	69
75) 1,3-Dichlorobenzene	16.326	146	1131	0.010	ppbv	#	23
76) 1,4-Dichlorobenzene	16.465	146	2298	0.020	ppbv	#	23
77) 1,2-Dichlorobenzene	17.137	146	1619	0.014	ppbv	#	22
78) Hexachloro-1,3-Butadiene	22.612	225	844	0.011	ppbv	#	18
79) Naphthalene	21.374	128	163	0.001	ppbv	#	69
80) Naphthalene,2-methyl-	24.484	142	192	0.006	ppbv	#	72
81) 1,2,4-Trichlorobenzene	21.127	180	411	0.006	ppbv	#	11

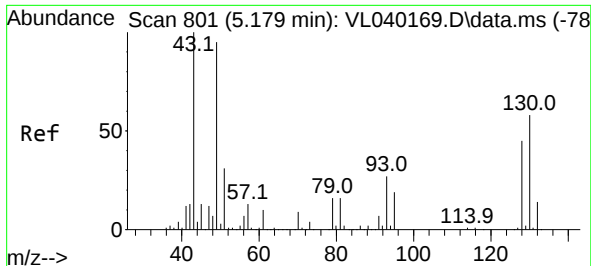
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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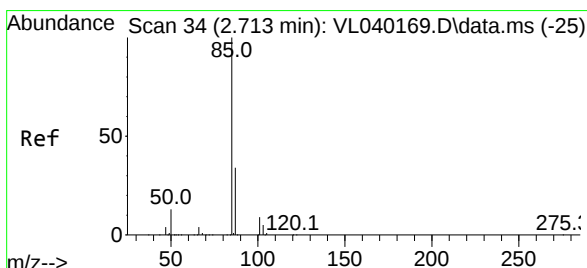
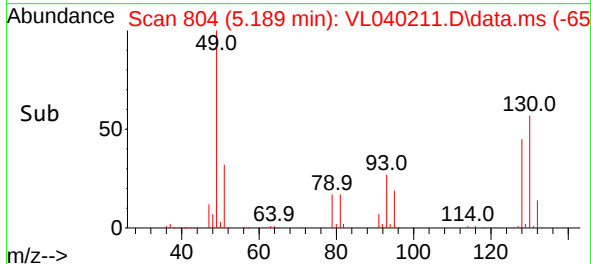
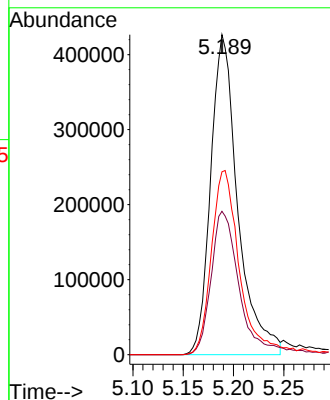
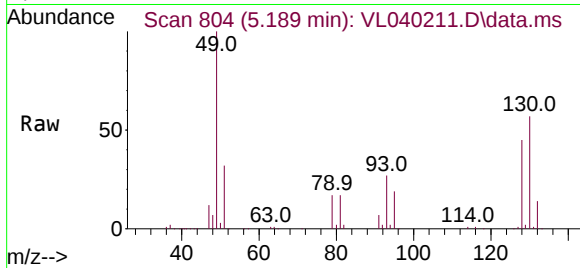




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

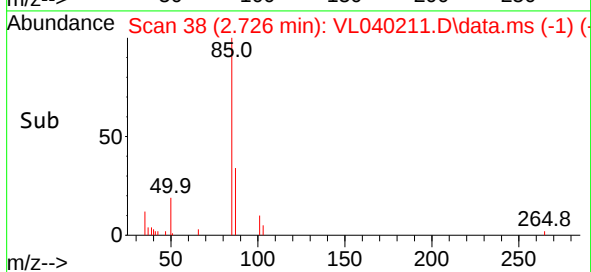
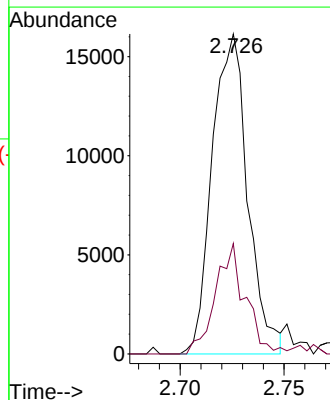
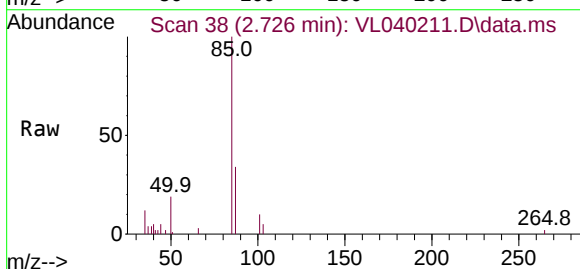
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

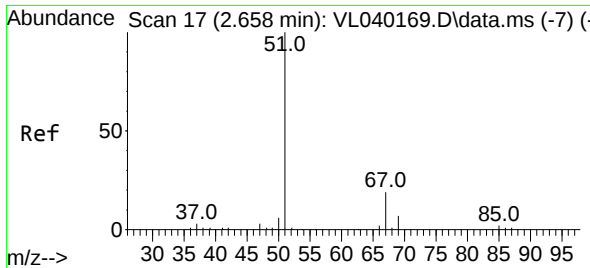
Tgt Ion: 49 Resp: 799890
Ion Ratio Lower Upper
49 100
128 47.8 24.1 72.3
130 62.5 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.129 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.003 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 85 Resp: 19184
Ion Ratio Lower Upper
85 100
87 34.5 27.0 40.6

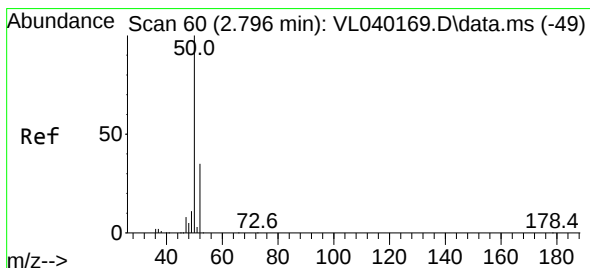
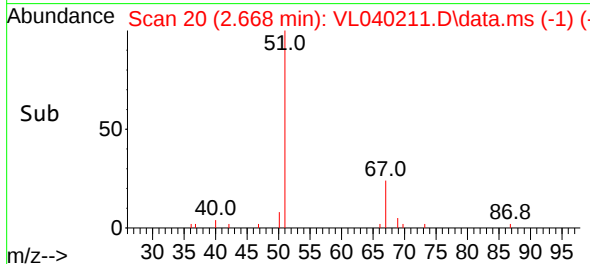
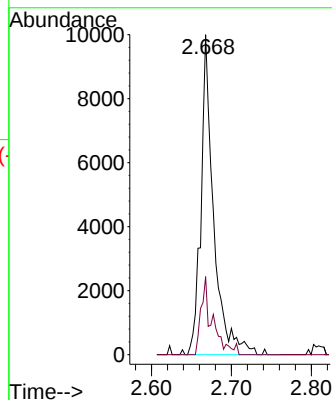
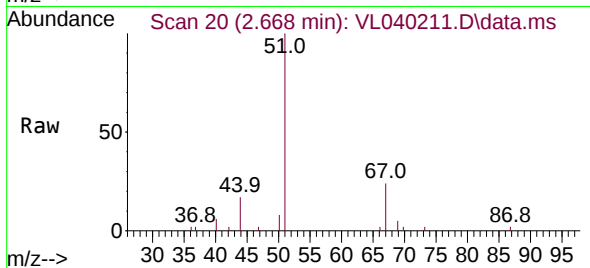




#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.007 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

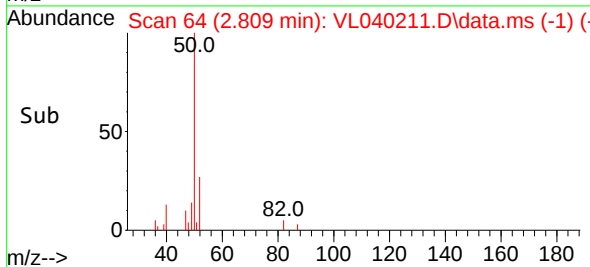
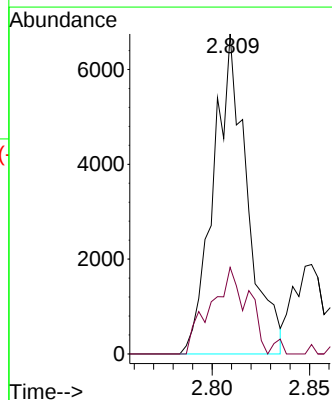
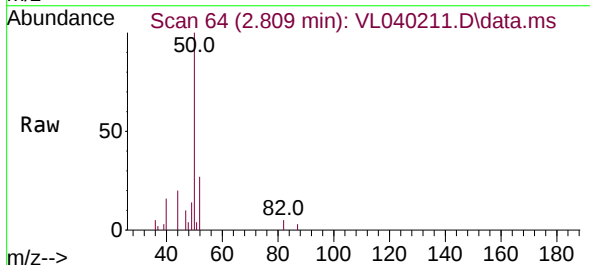
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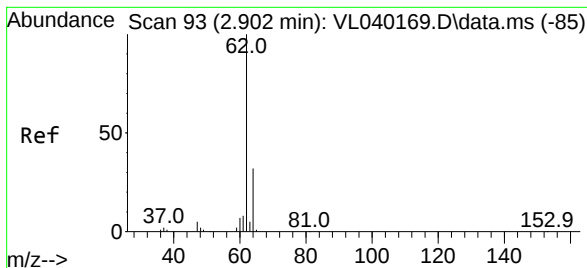
Tgt Ion: 51 Resp: 11049
Ion Ratio Lower Upper
51 100
67 21.9 15.4 23.2



#4
Chloromethane
Concen: 0.135 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 50 Resp: 8098
Ion Ratio Lower Upper
50 100
52 26.0 28.3 42.5#

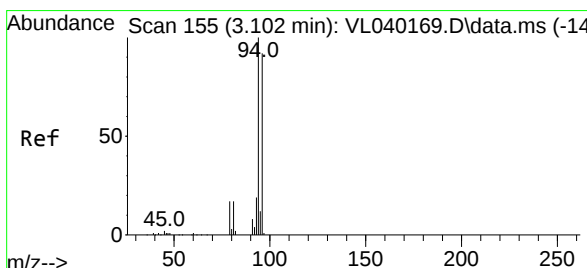
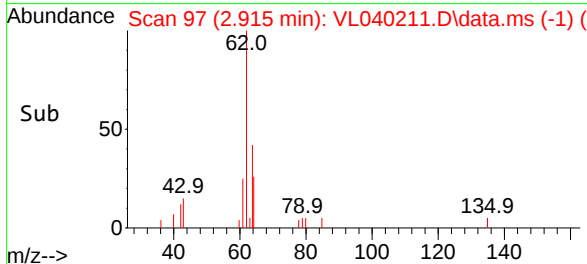
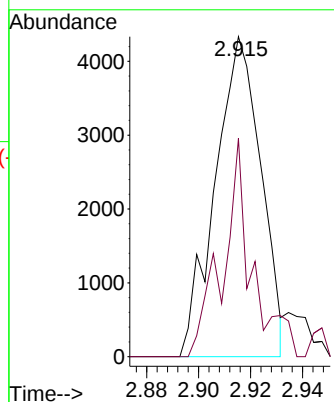
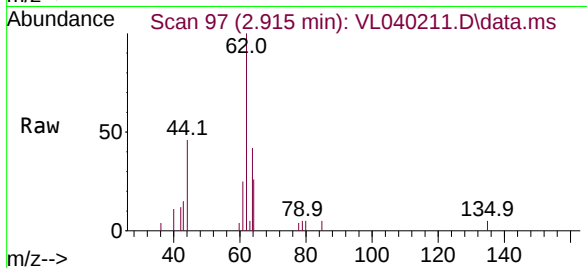




#5
 Vinyl Chloride
 Concen: 0.110 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.007 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

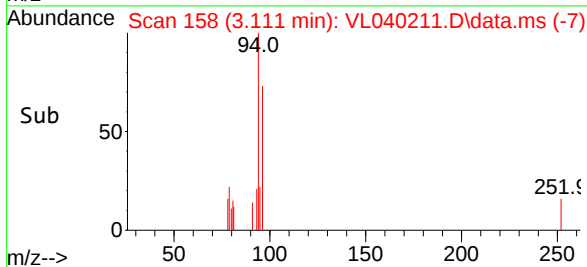
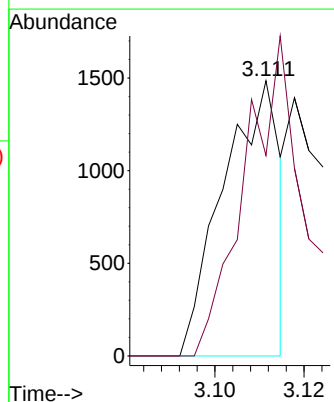
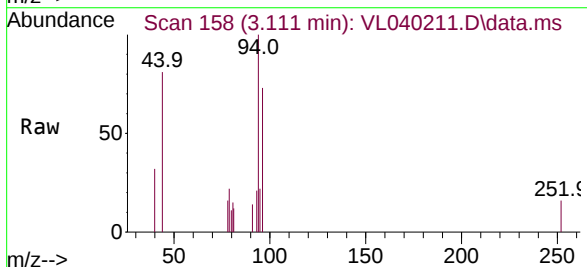
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Tgt Ion: 62 Resp: 5291
 Ion Ratio Lower Upper
 62 100
 64 68.2 25.6 38.4#



#6
 Bromomethane
 Concen: 0.075 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.013 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

Tgt Ion: 94 Resp: 1314
 Ion Ratio Lower Upper
 94 100
 96 72.9 73.4 110.2#

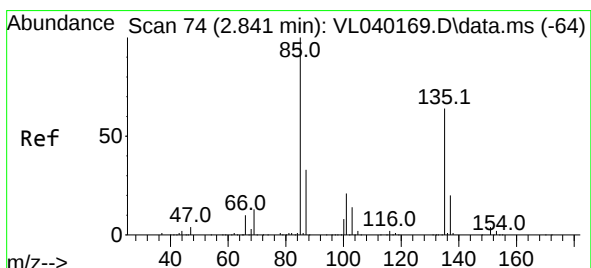
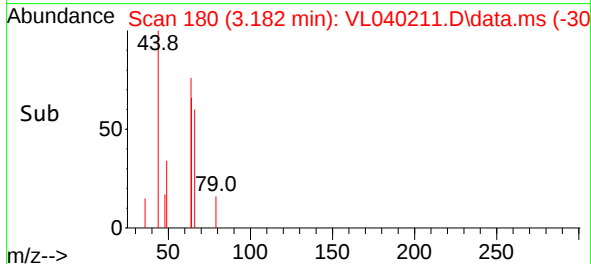
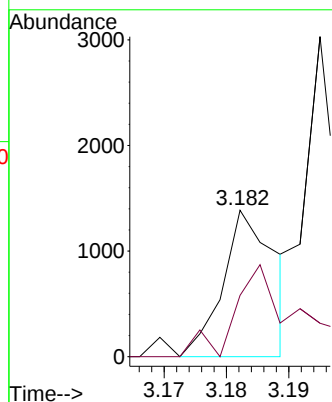
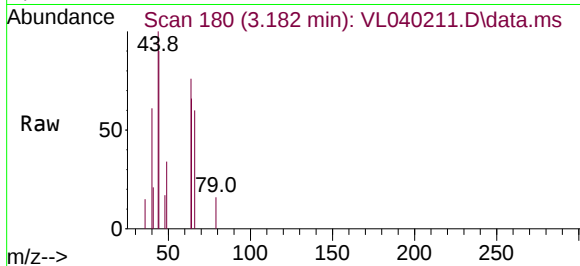




#7
Chloroethane
Concen: 0.042 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

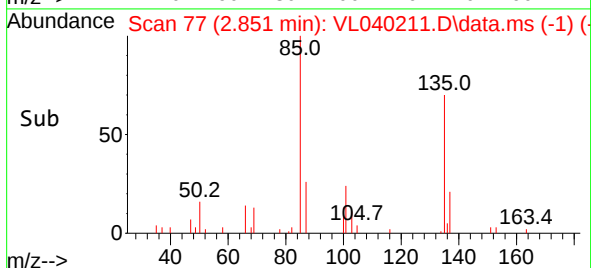
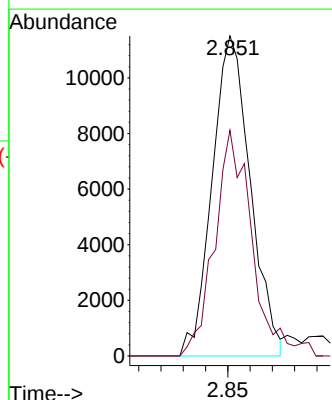
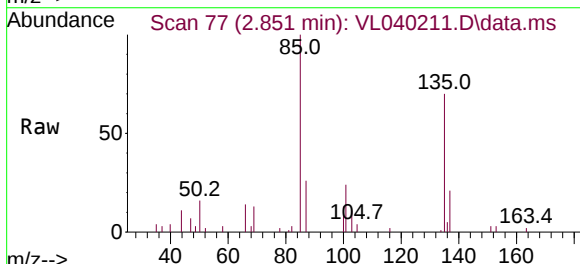
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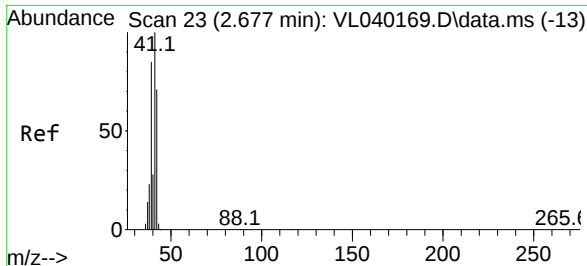
Tgt Ion: 64 Resp: 810
Ion Ratio Lower Upper
64 100
66 41.8 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.107 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.007 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 85 Resp: 13704
Ion Ratio Lower Upper
85 100
135 69.4 51.5 77.3

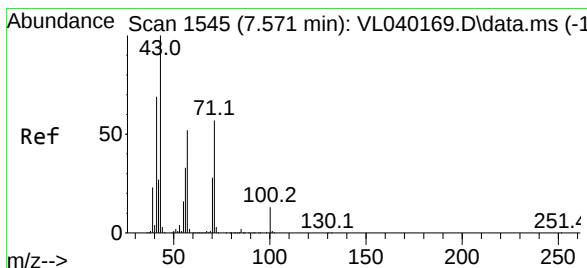
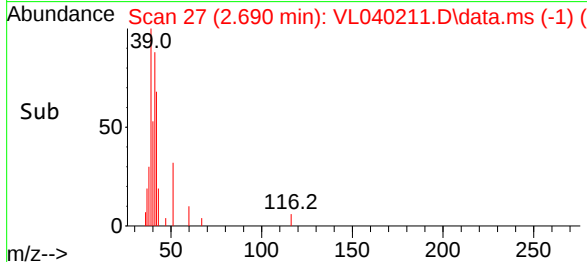
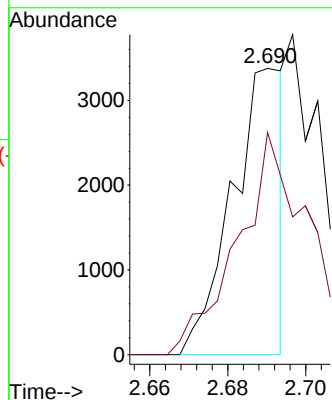
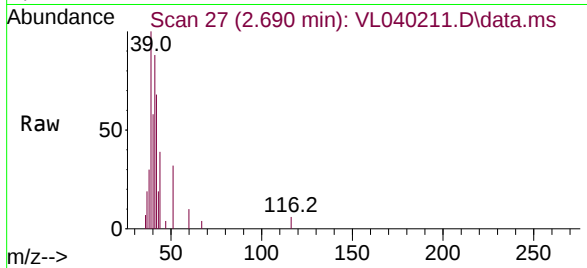




#9
 Propene
 Concen: 0.079 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

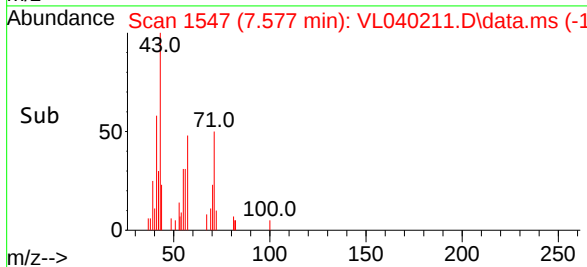
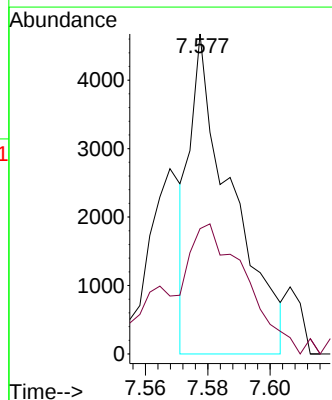
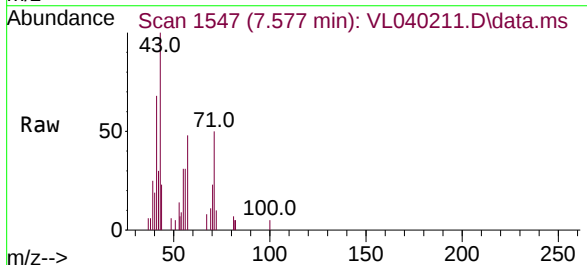
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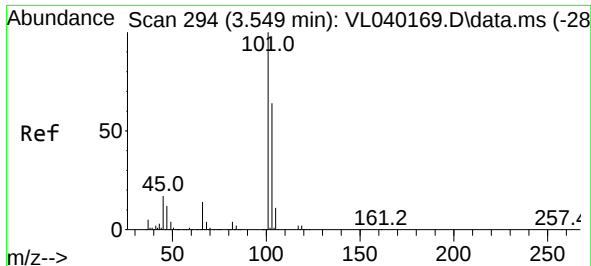
Tgt Ion: 41 Resp: 3067
 Ion Ratio Lower Upper
 41 100
 42 109.3 56.9 85.3#



#10
 Heptane
 Concen: 0.046 ppbv
 RT: 7.577 min Scan# 1547
 Delta R.T. -0.026 min
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Tgt Ion: 43 Resp: 4309
 Ion Ratio Lower Upper
 43 100
 57 82.3 41.4 62.2#

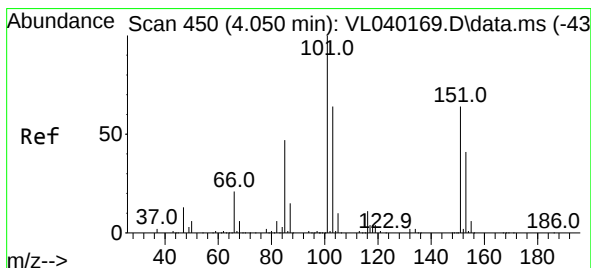
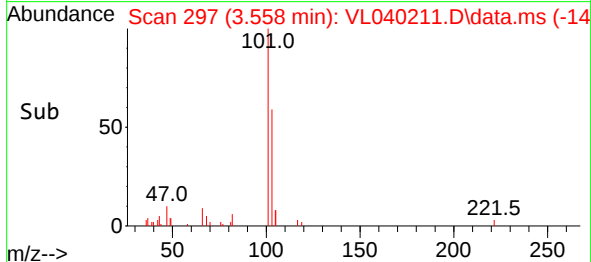
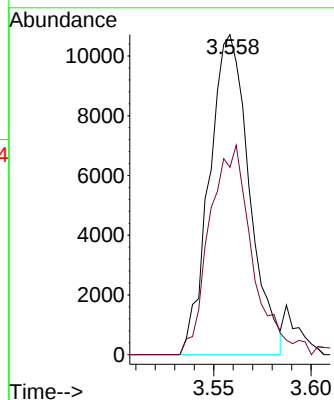
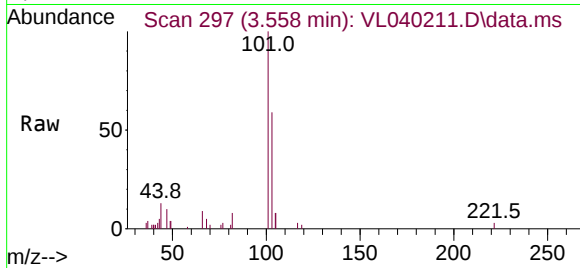




#11
Trichlorofluoromethane
Concen: 0.114 ppbv
RT: 3.558 min Scan# 294
Delta R.T. -0.010 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

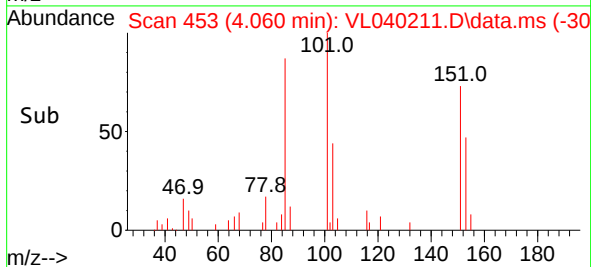
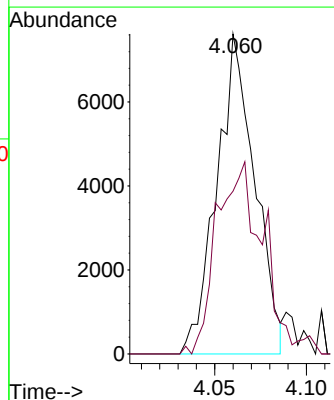
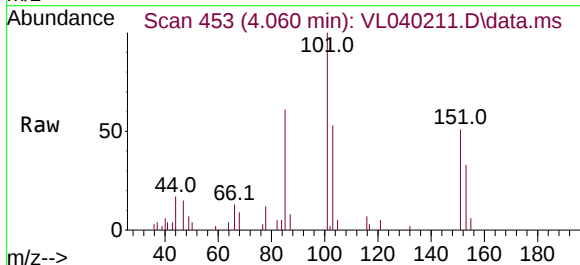
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

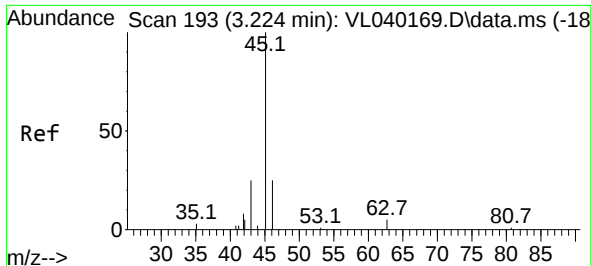
Tgt Ion:101 Resp: 15263
Ion Ratio Lower Upper
101 100
103 58.6 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.111 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.013 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:101 Resp: 10997
Ion Ratio Lower Upper
101 100
151 73.8 54.7 82.1

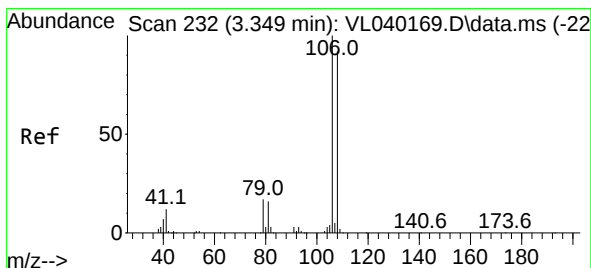
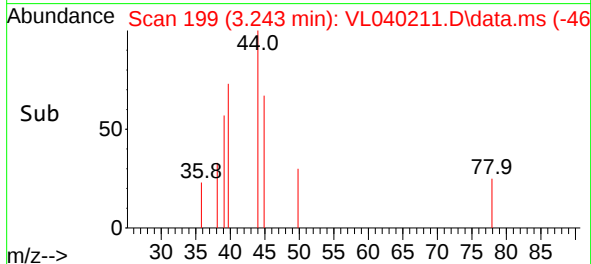
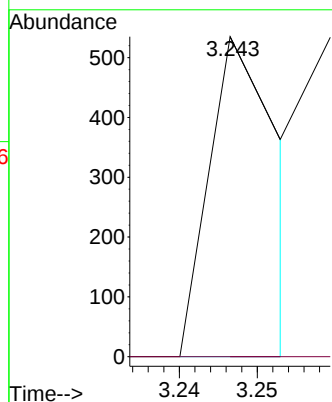
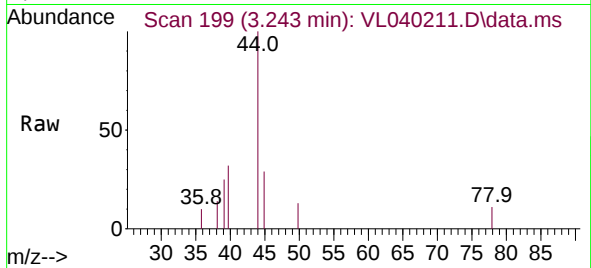




#13
 Ethanol
 Concen: 0.048 ppbv
 RT: 3.243 min Scan# 193
 Delta R.T. -0.007 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

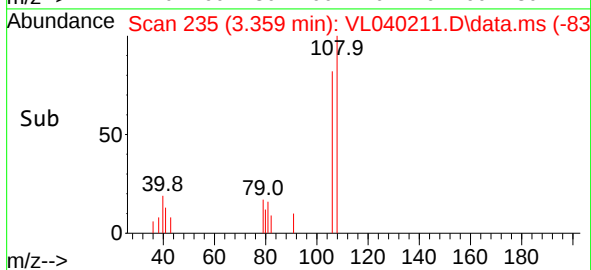
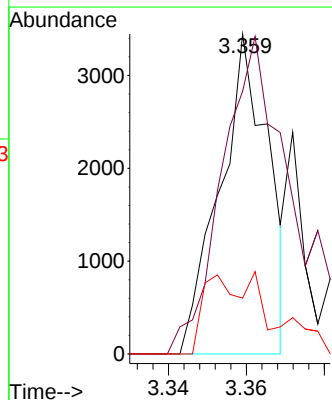
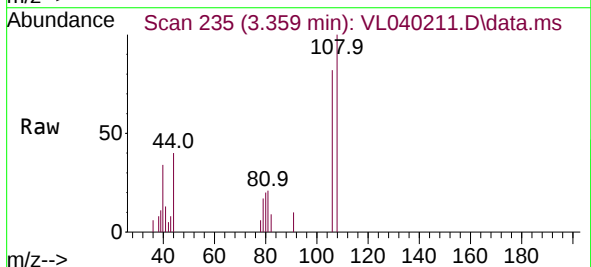
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 45 Resp: 173
 Ion Ratio Lower Upper
 45 100
 46 41.0 13.3 53.1



#14
 Bromoethene
 Concen: 0.078 ppbv
 RT: 3.359 min Scan# 235
 Delta R.T. -0.010 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

Tgt Ion: 108 Resp: 2961
 Ion Ratio Lower Upper
 108 100
 106 161.1 87.1 130.7#
 79 33.9 15.4 23.2#

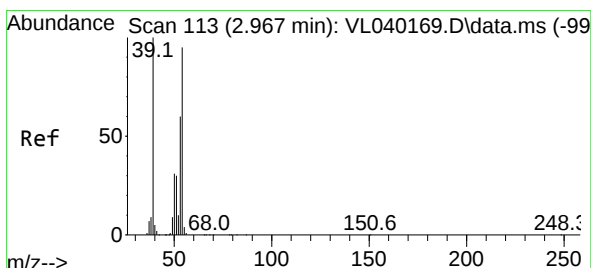
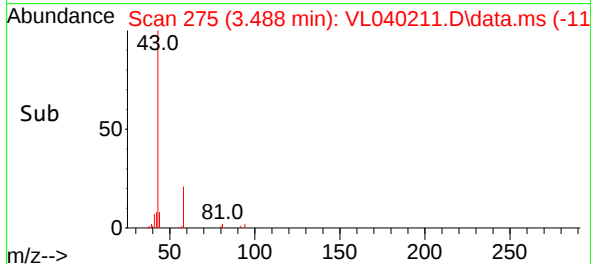
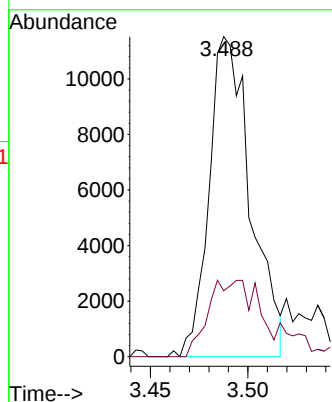
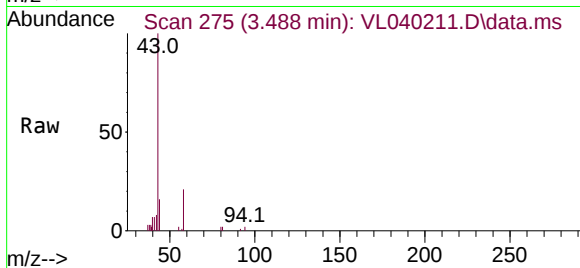




#15
Acetone
Concen: 0.177 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

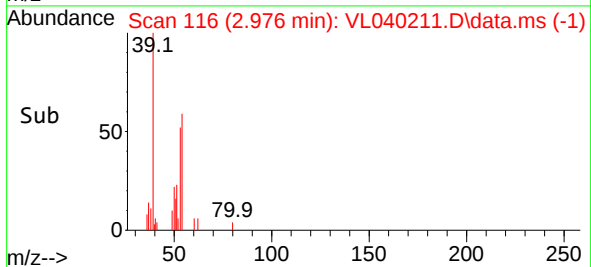
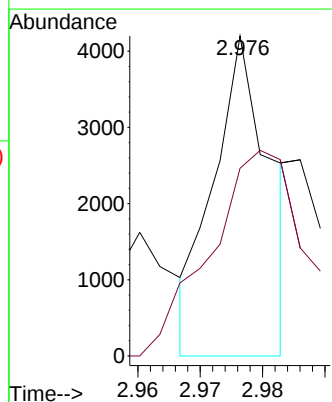
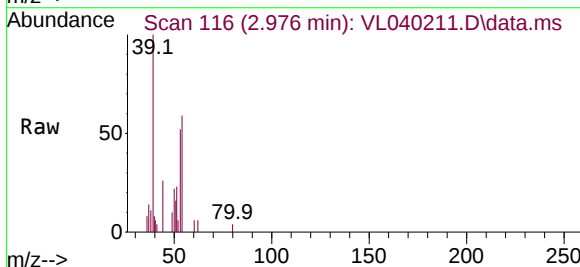
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

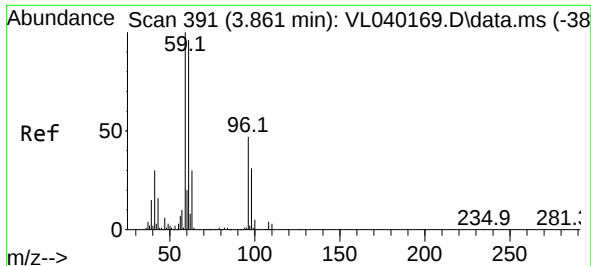
Tgt Ion: 43 Resp: 17007
Ion Ratio Lower Upper
43 100
58 35.9 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.010 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 39 Resp: 2628
Ion Ratio Lower Upper
39 100
54 123.7 66.7 100.1#





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 3.870 min Scan# 391

Delta R.T. -0.016 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_1

ClientSampleId :

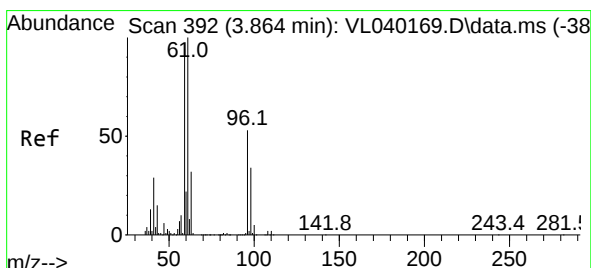
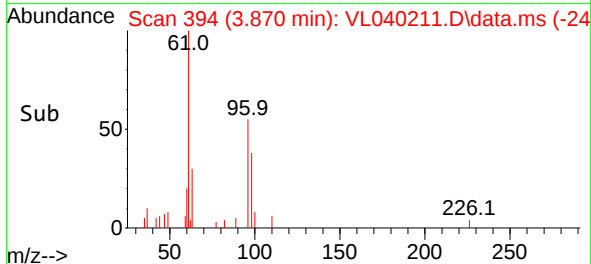
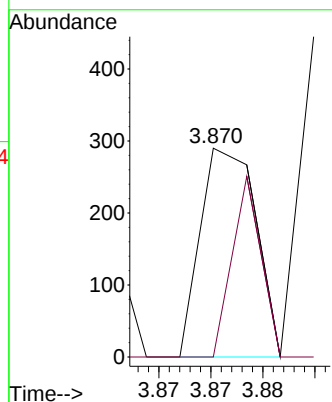
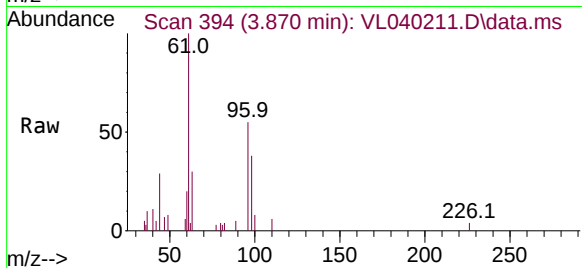
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.136 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.010 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

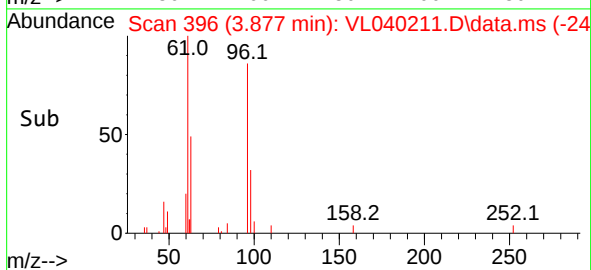
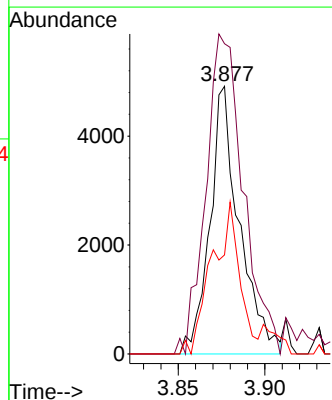
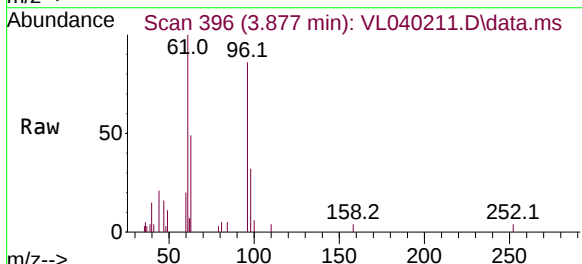
Tgt Ion: 96 Resp: 5818

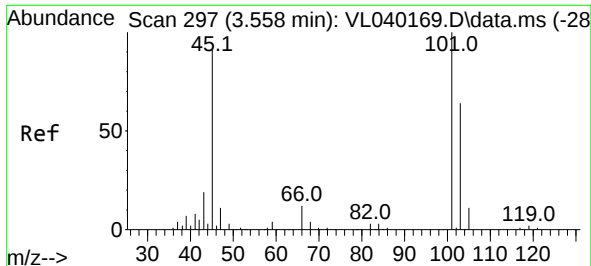
Ion Ratio Lower Upper

96 100

61 115.9 149.6 224.4#

98 37.0 51.1 76.7#





#19

Isopropyl Alcohol

Concen: 0.024 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.013 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

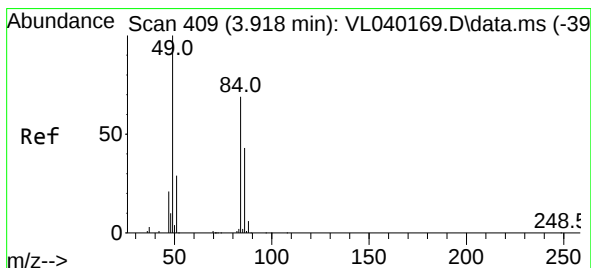
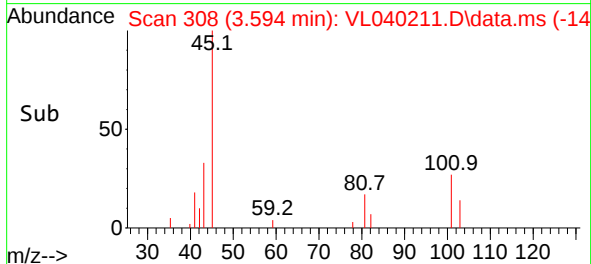
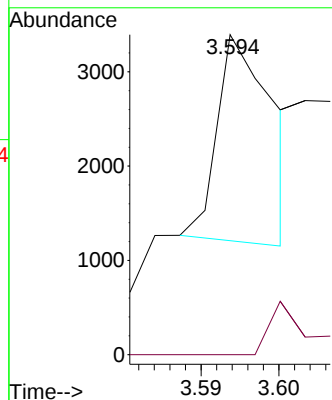
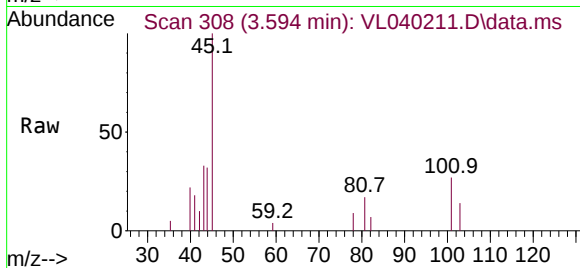
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 45 Resp: 1083

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#



#20

Methylene Chloride

Concen: 0.274 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.010 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion: 84 Resp: 13749

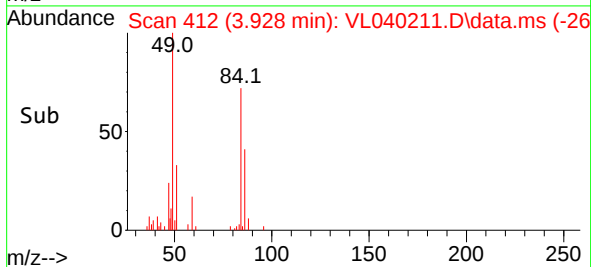
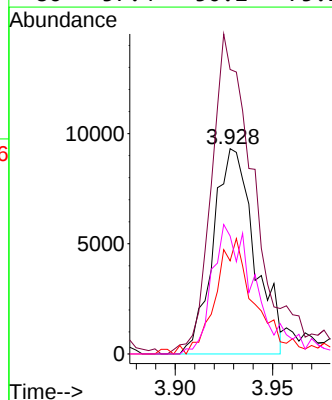
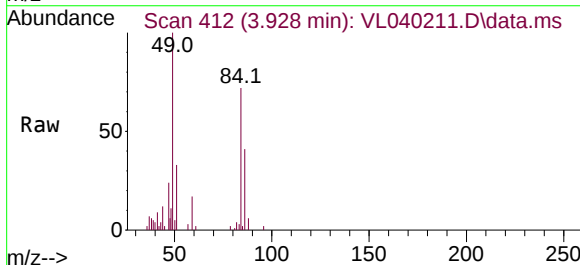
Ion Ratio Lower Upper

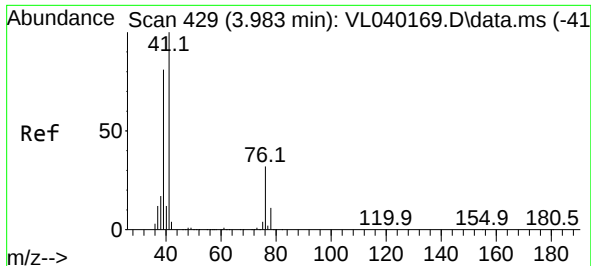
84 100

49 134.2 115.5 173.3

51 41.3 33.1 49.7

86 57.4 50.2 75.2





#21

Allyl Chloride

Concen: 0.026 ppbv

RT: 3.986 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040211.D

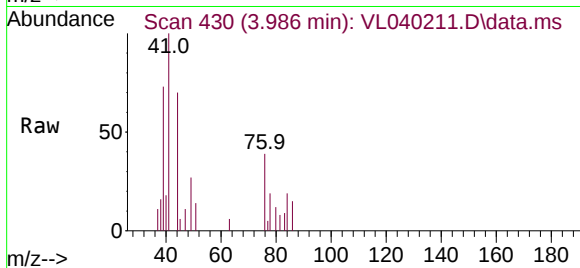
Acq: 22 Feb 2023 1:29

Instrument :

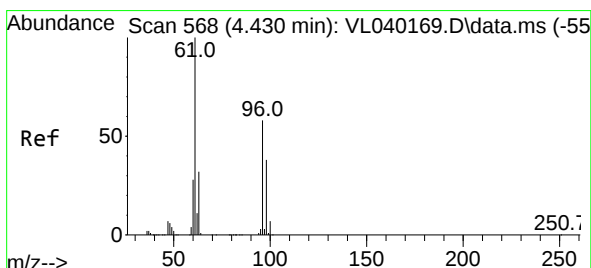
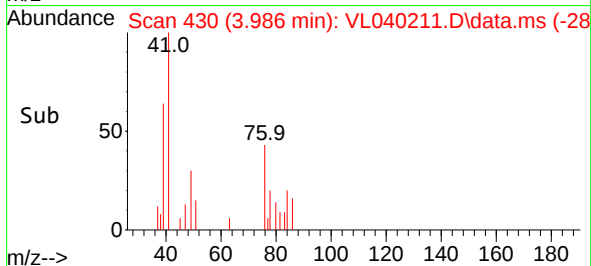
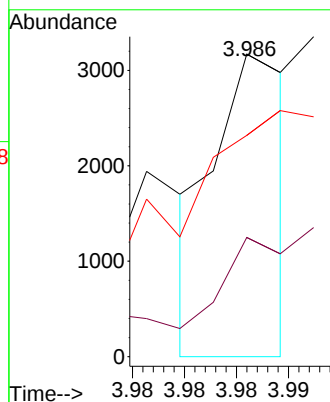
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion:	41	Resp:	1562
Ion Ratio	Lower	Upper	
41	100		
76	0.0	25.5	38.3#
39	0.0	64.5	96.7#



#22

trans-1,2-Dichloroethene

Concen: 0.003 ppbv

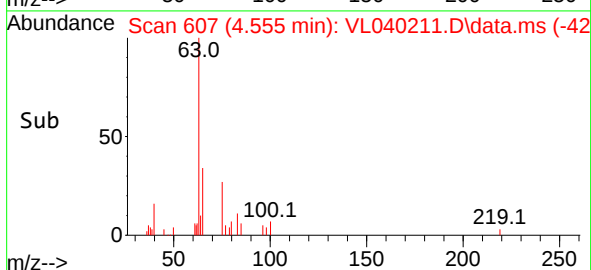
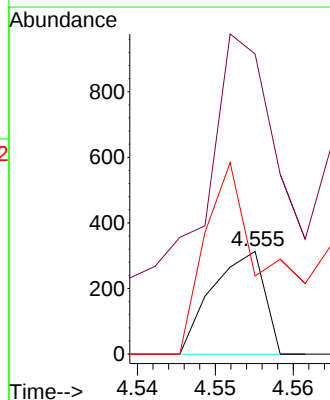
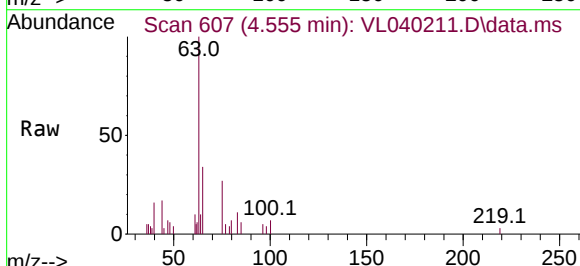
RT: 4.555 min Scan# 607

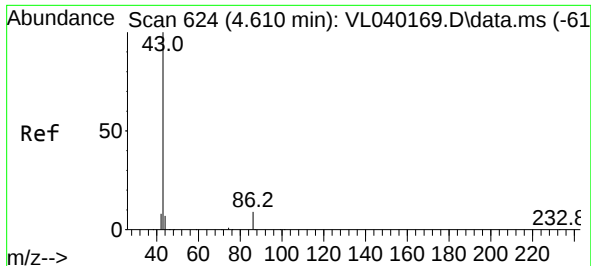
Delta R.T. 0.100 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion:	96	Resp:	146
Ion Ratio	Lower	Upper	
96	100		
61	178.6	137.5	206.3
98	76.0	52.8	79.2

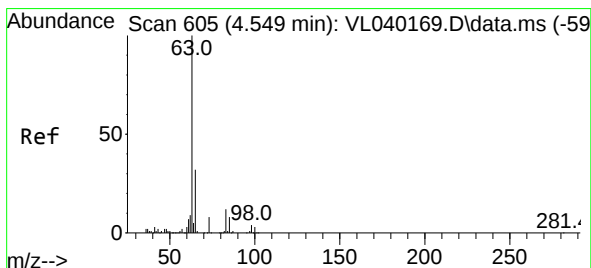
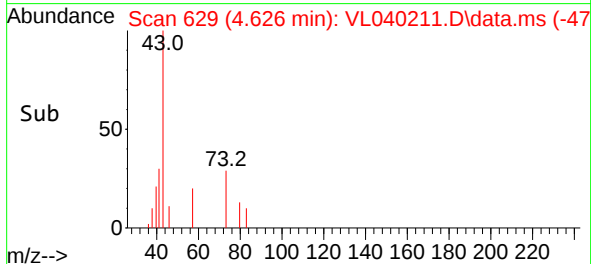
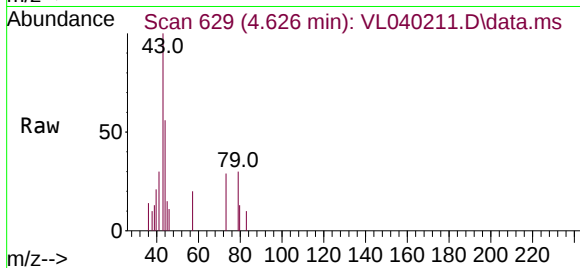




#23
 Vinyl Acetate
 Concen: 0.033 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

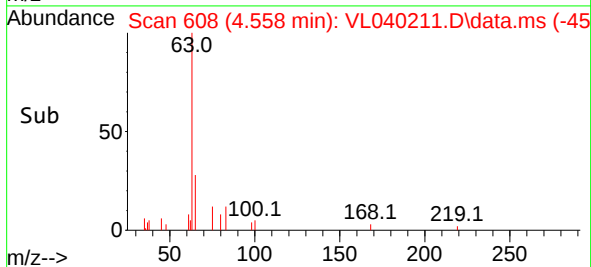
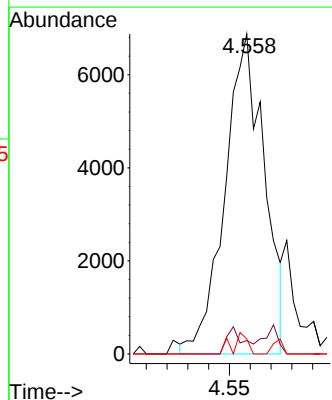
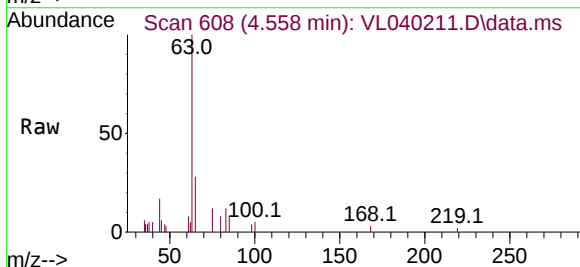
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

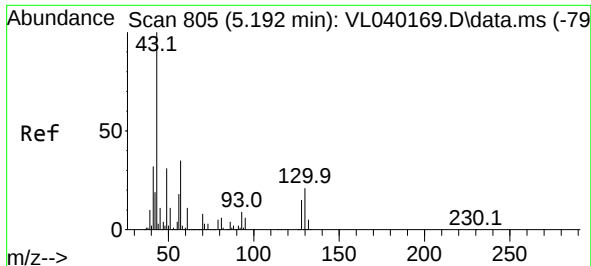
Tgt Ion:	43	Resp:	977
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	0.0	7.6	11.4#
44	0.0	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.099 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.016 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

Tgt Ion:	63	Resp:	9049
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	4.8	1.4	4.0#





#25

Ethyl Acetate

Concen: 0.090 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.007 min

Lab File: VL040211.D

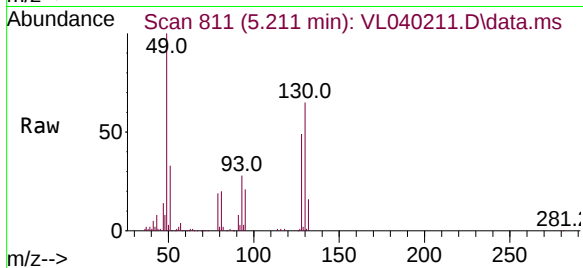
Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion: 43 Resp: 16099

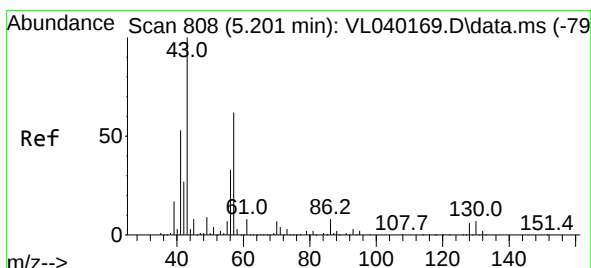
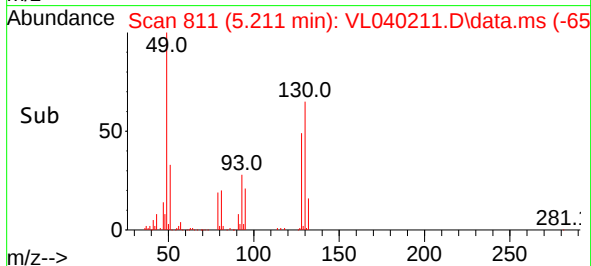
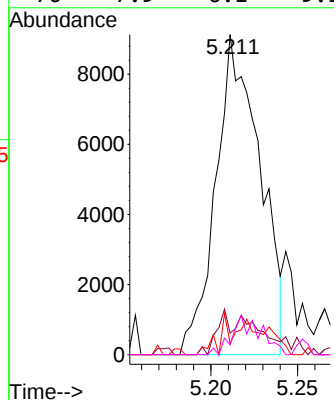
Ion Ratio Lower Upper

43 100

45 14.2 8.3 12.5#

61 11.1 8.4 12.6

70 7.9 6.1 9.1



#26

Hexane

Concen: 0.063 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.016 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion: 57 Resp: 4862

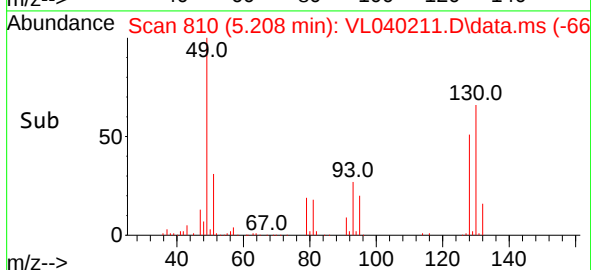
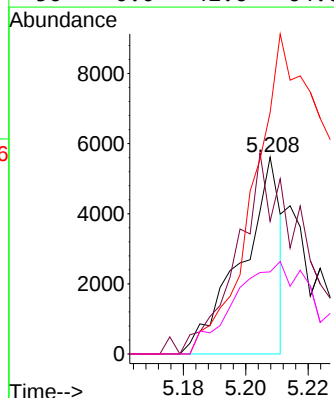
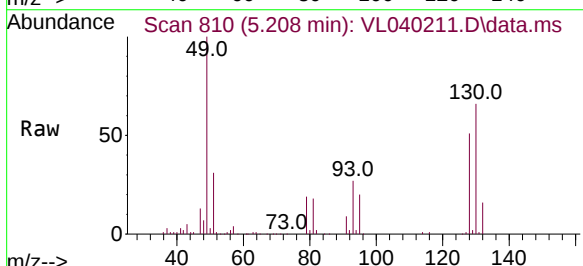
Ion Ratio Lower Upper

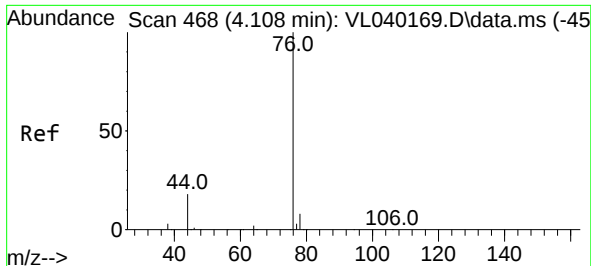
57 100

41 187.3 74.3 111.5#

43 0.0 193.0 289.4#

56 0.0 42.6 64.0#





#27

Carbon Disulfide

Concen: 0.086 ppbv

RT: 4.121 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040211.D

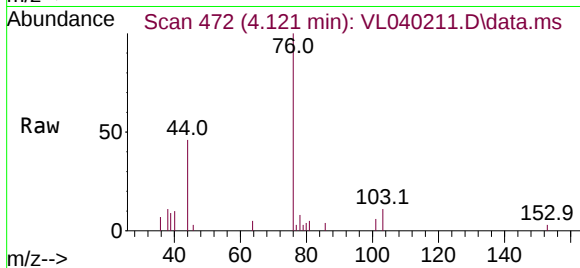
Acq: 22 Feb 2023 1:29

Instrument :

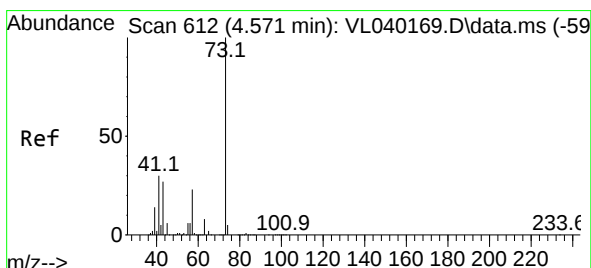
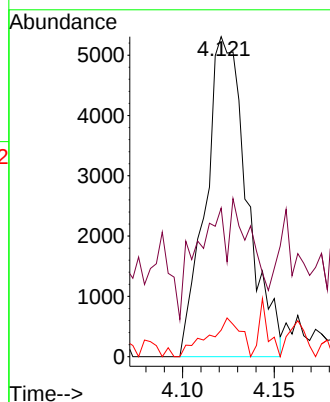
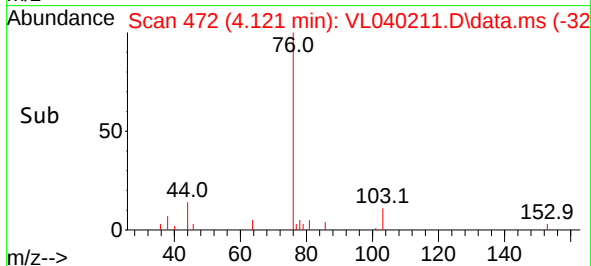
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion:	76	Resp:	8343
Ion	Ratio	Lower	Upper
76	100		
44	70.1	15.3	22.9#
78	9.9	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 0.089 ppbv

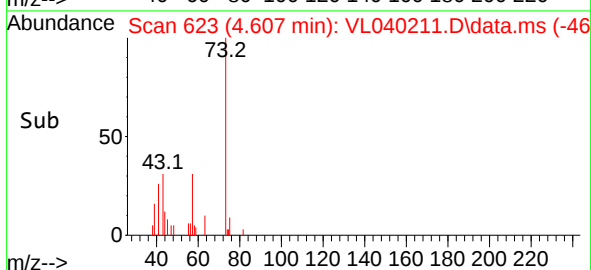
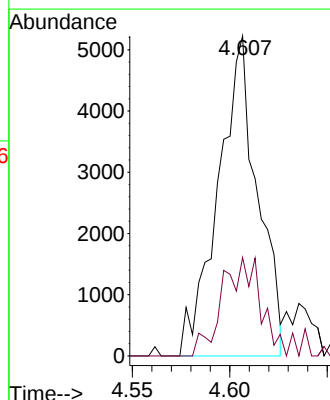
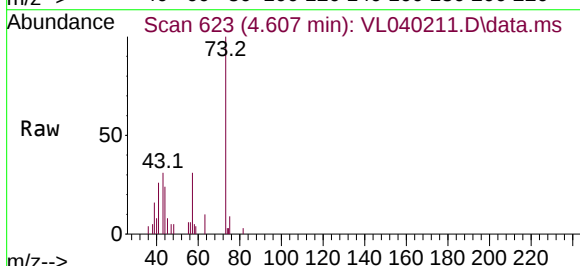
RT: 4.607 min Scan# 623

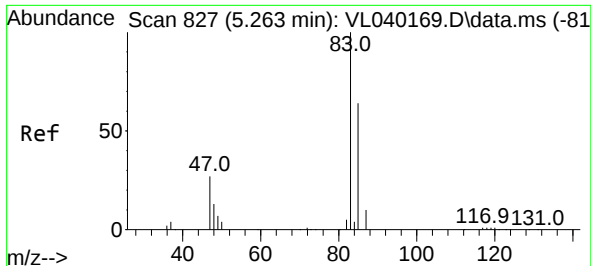
Delta R.T. 0.010 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion:	73	Resp:	7335
Ion	Ratio	Lower	Upper
73	100		
57	32.5	18.8	28.2#





#29

Chloroform

Concen: 0.107 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

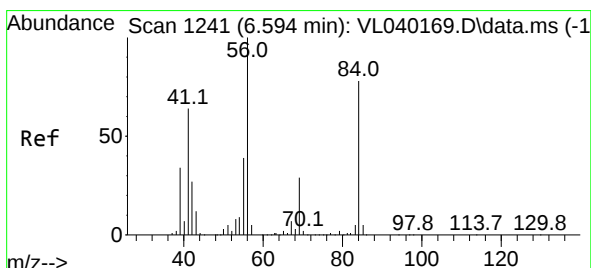
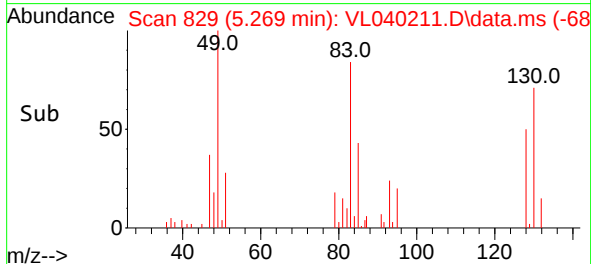
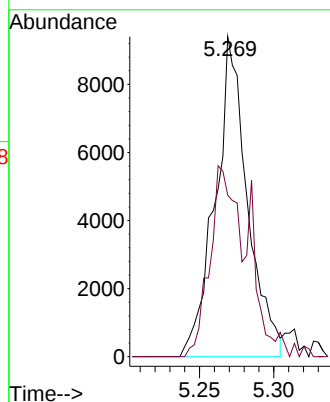
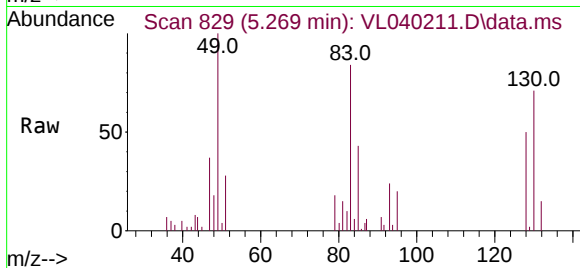
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 83 Resp: 14150

Ion Ratio Lower Upper

83 100

85 50.5 51.5 77.3#



#30

Cyclohexane

Concen: 0.019 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. -0.026 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

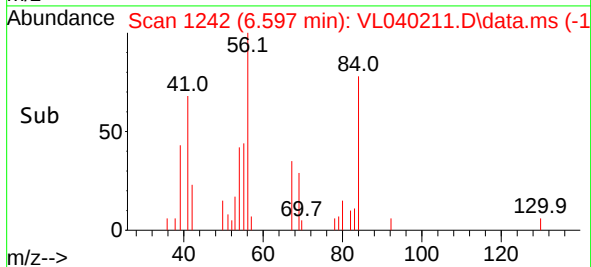
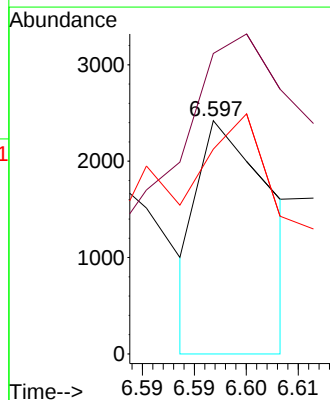
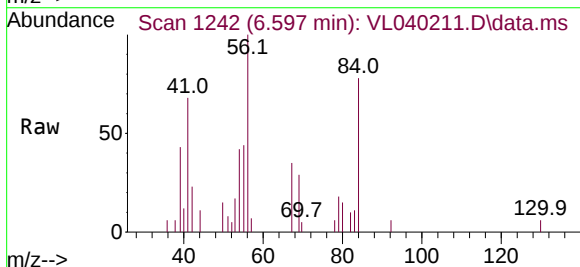
Tgt Ion: 84 Resp: 1162

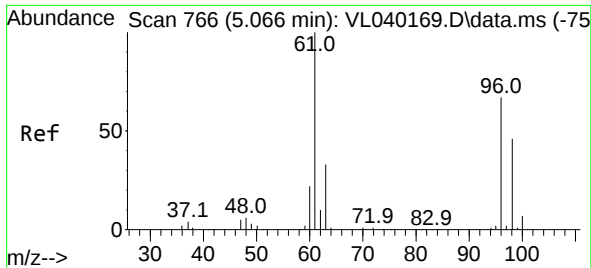
Ion Ratio Lower Upper

84 100

56 0.0 109.9 164.9#

41 410.8 67.8 101.6#

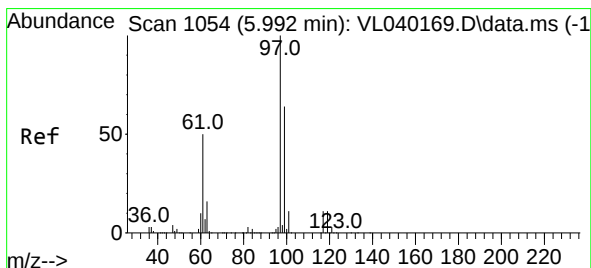
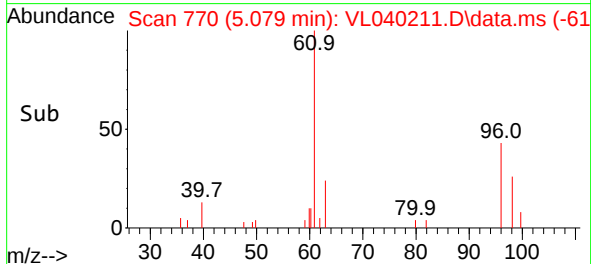
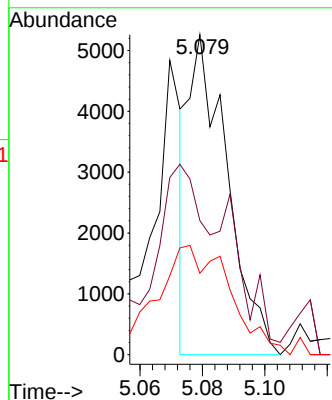
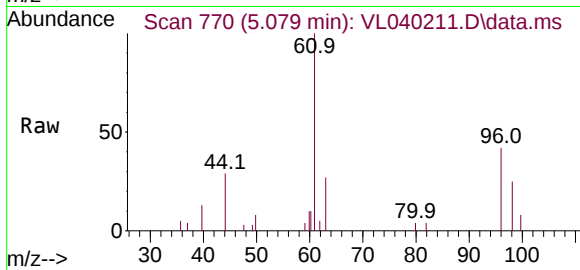




#31
 cis-1,2-Dichloroethene
 Concen: 0.062 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. -0.013 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

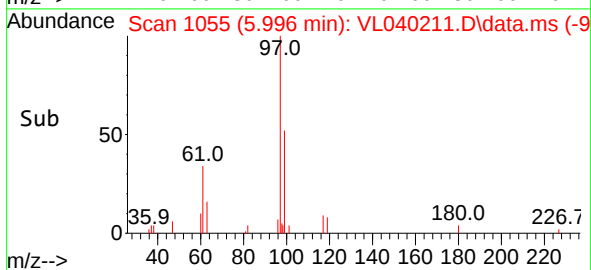
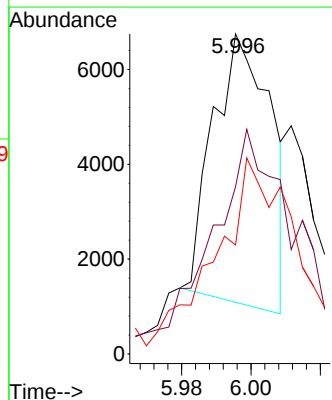
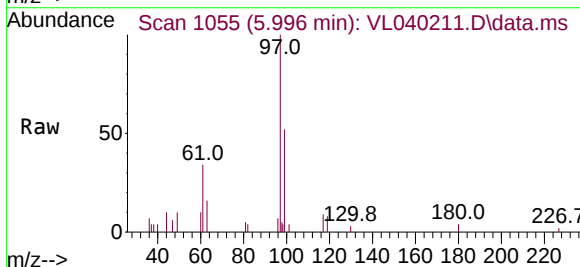
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

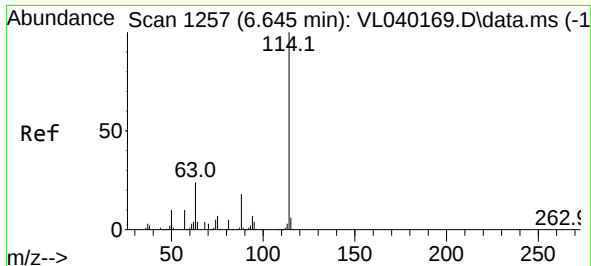
Tgt Ion: 61 Resp: 4535
 Ion Ratio Lower Upper
 61 100
 96 38.0 53.7 80.5#
 98 22.5 36.4 54.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.053 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.026 min
 Lab File: VL040211.D
 Acq: 22 Feb 2023 1:29

Tgt Ion: 97 Resp: 6566
 Ion Ratio Lower Upper
 97 100
 99 128.4 51.5 77.3#
 61 106.4 40.6 60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040211.D

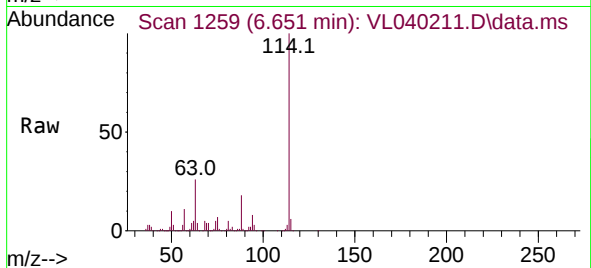
Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



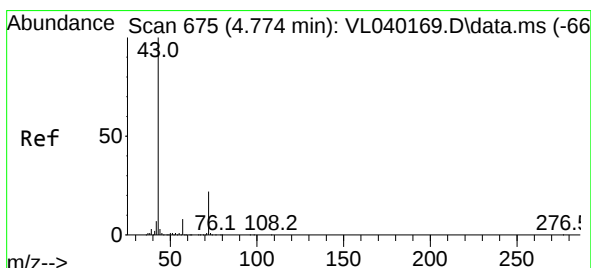
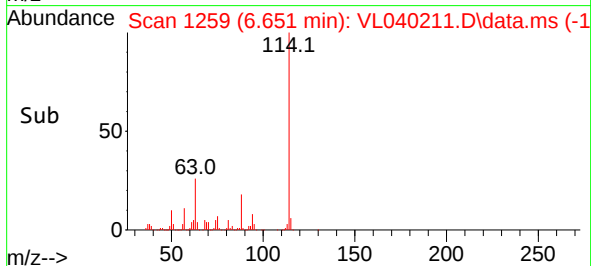
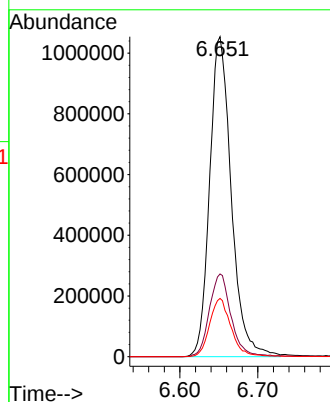
Tgt Ion:114 Resp: 2035993

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.041 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.006 min

Lab File: VL040211.D

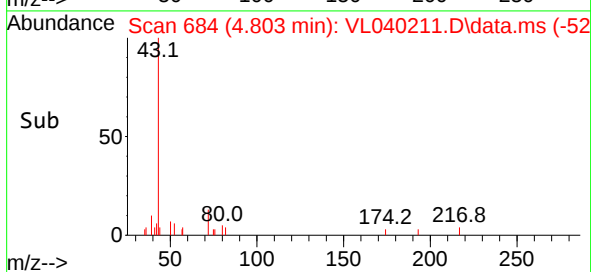
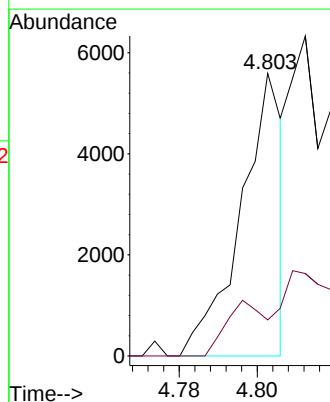
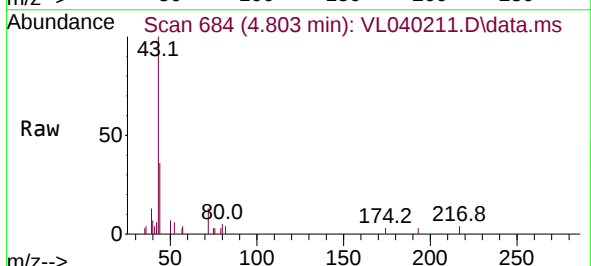
Acq: 22 Feb 2023 1:29

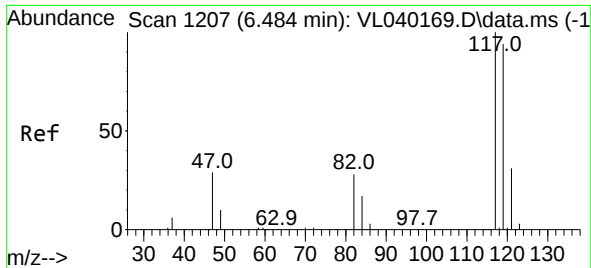
Tgt Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.8#

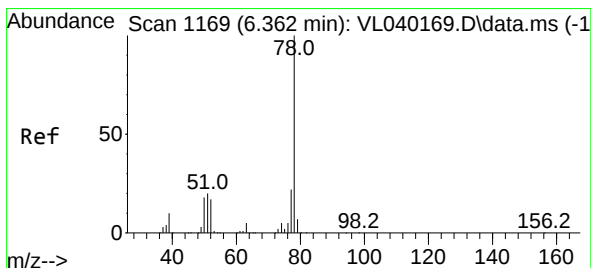
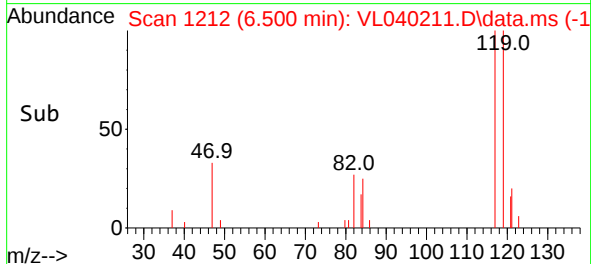
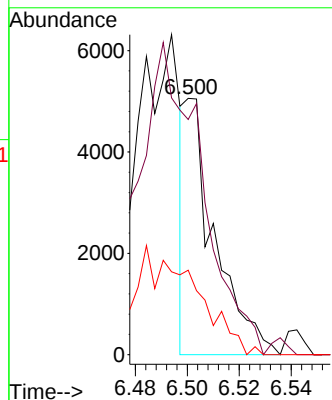
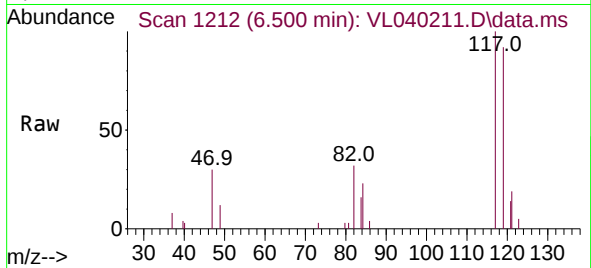




#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 6.500 min Scan# 1172
Delta R.T. -0.013 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

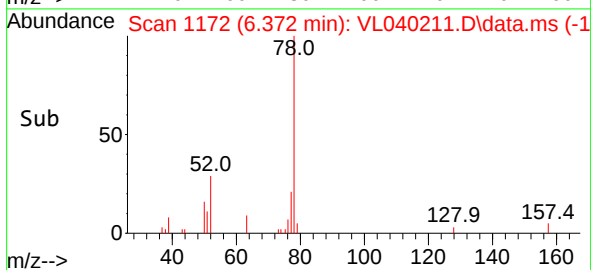
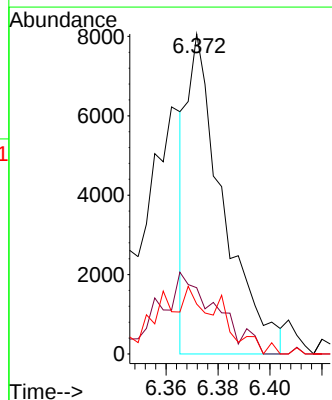
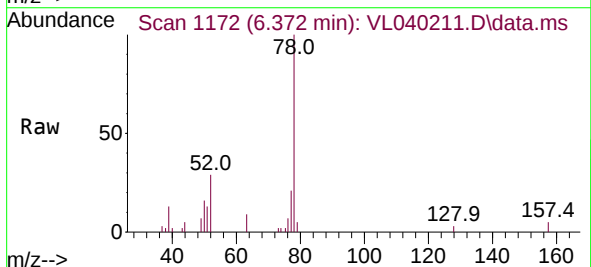
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

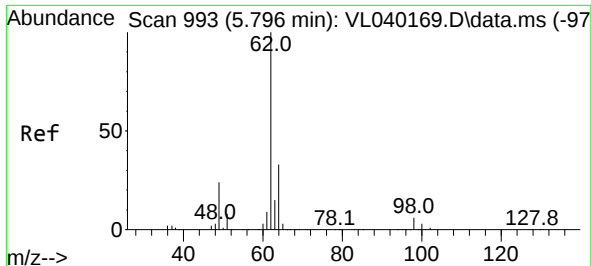
Tgt Ion:117 Resp: 3993
Ion Ratio Lower Upper
117 100
119 85.1 75.0 112.6
121 33.0 25.0 37.4



#36
Benzene
Concen: 0.049 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 78 Resp: 7717
Ion Ratio Lower Upper
78 100
77 22.5 17.5 26.3
50 17.0 14.6 22.0

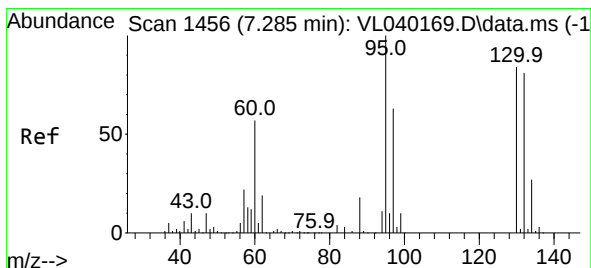
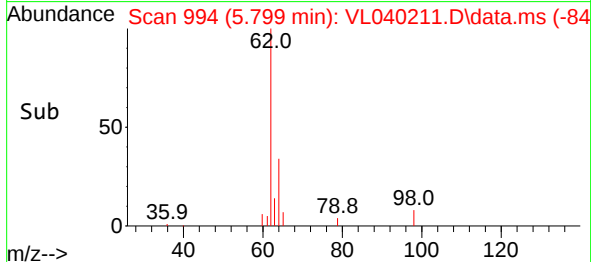
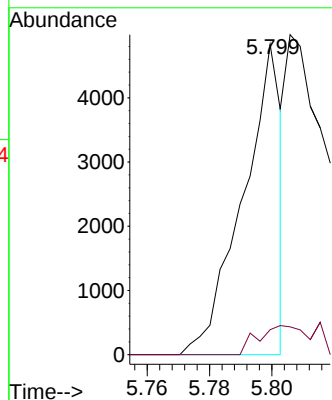
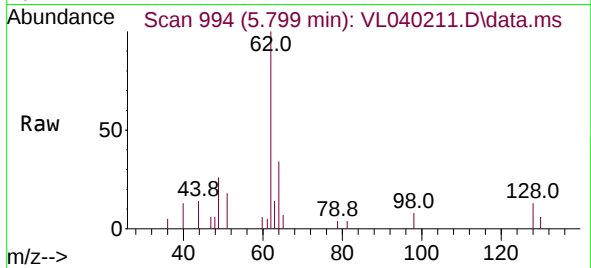




#37
1,2-Dichloroethane
Concen: 0.041 ppbv
RT: 5.799 min Scan# 994
Delta R.T. -0.023 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

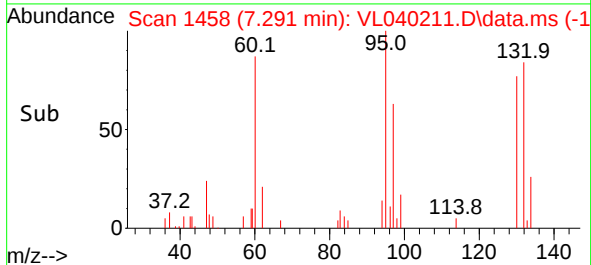
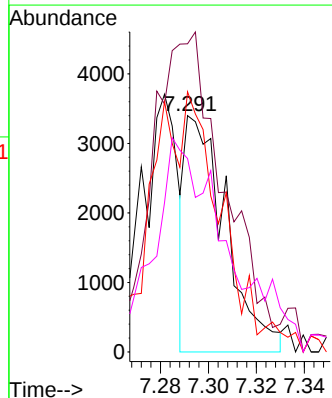
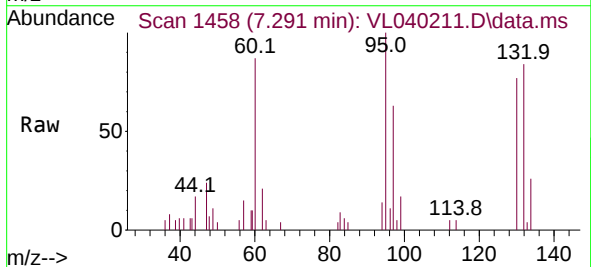
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

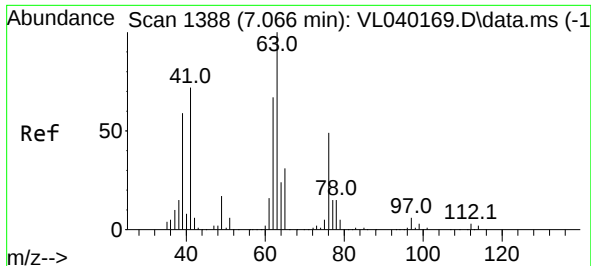
Tgt Ion: 62 Resp: 4111
Ion Ratio Lower Upper
62 100
98 0.0 4.7 7.1#



#38
Trichloroethene
Concen: 0.046 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.023 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:130 Resp: 3995
Ion Ratio Lower Upper
130 100
95 129.3 94.7 142.1
132 111.0 76.4 114.6
97 68.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 8.417 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.444 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

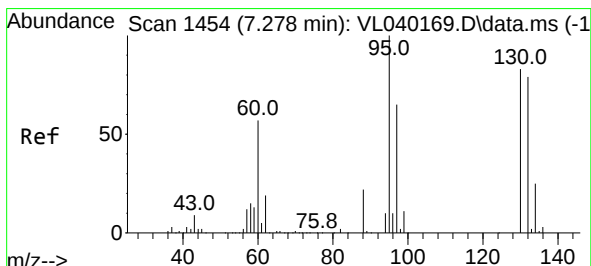
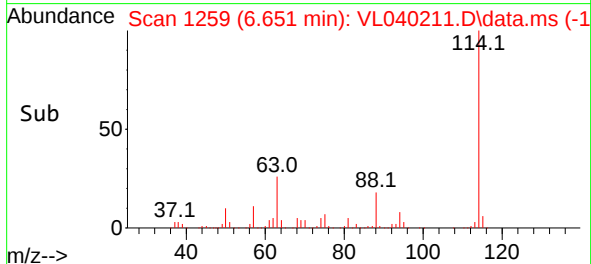
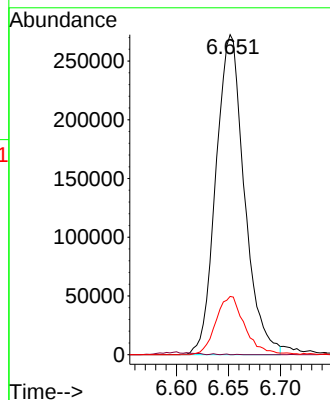
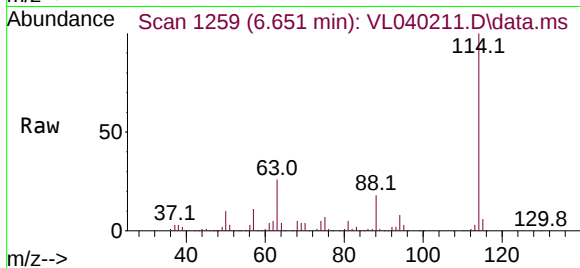
Tgt Ion: 63 Resp: 518819

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 18.2 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.006 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.048 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion: 88 Resp: 138

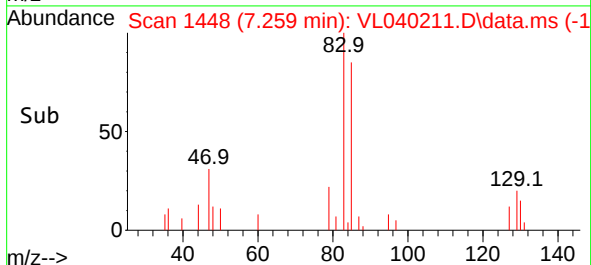
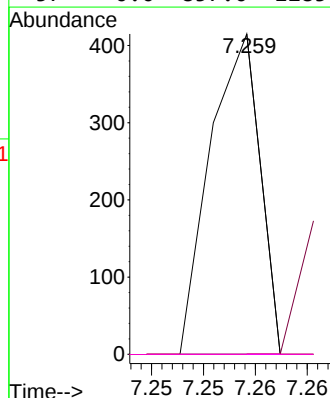
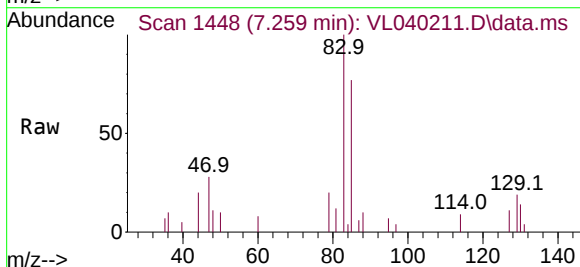
Ion Ratio Lower Upper

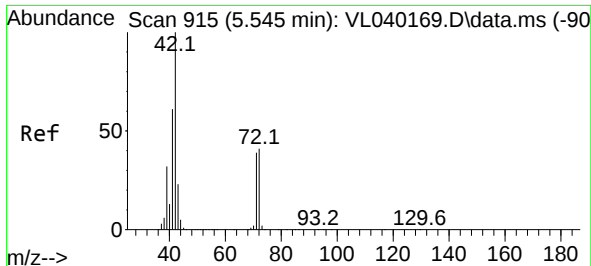
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#

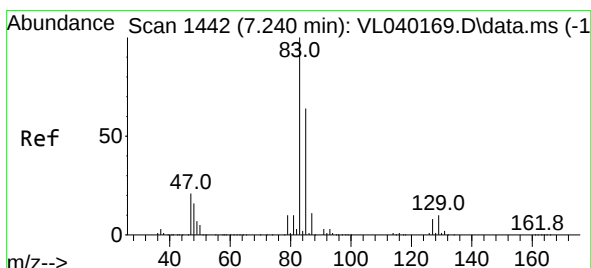
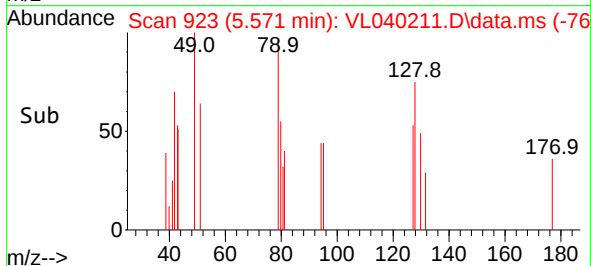
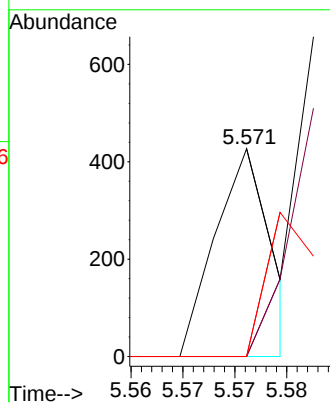
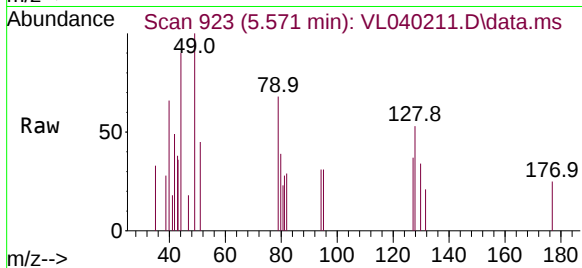




#41
Tetrahydrofuran
Concen: 0.003 ppbv
RT: 5.571 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

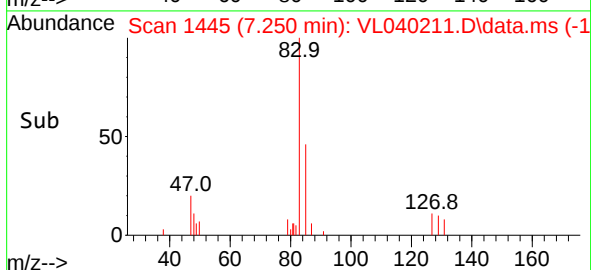
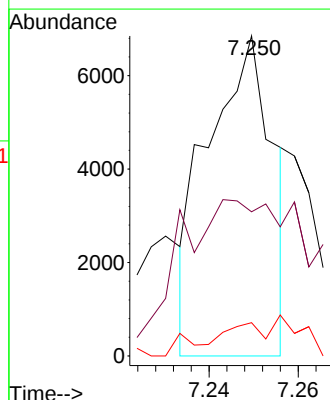
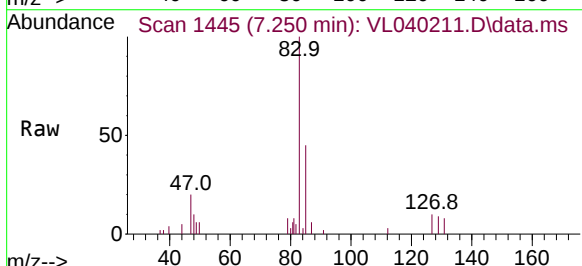
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

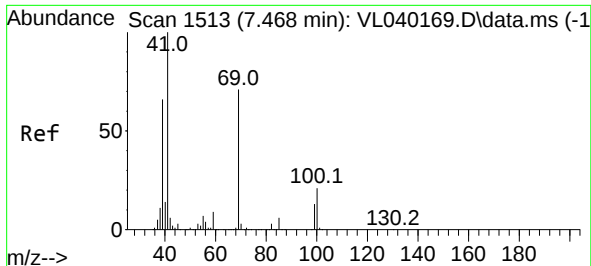
Tgt Ion: 42 Resp: 160
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4#
71 0.0 31.4 47.2#



#42
Bromodichloromethane
Concen: 0.051 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.019 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 83 Resp: 6920
Ion Ratio Lower Upper
83 100
85 7.1 50.9 76.3#
127 5.1 6.2 9.2#

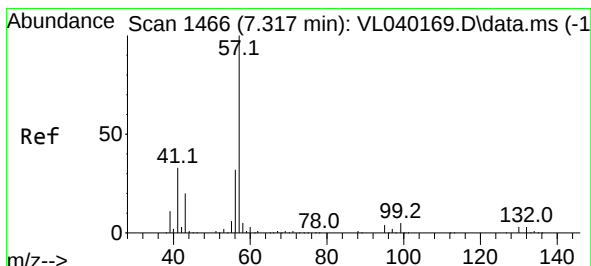
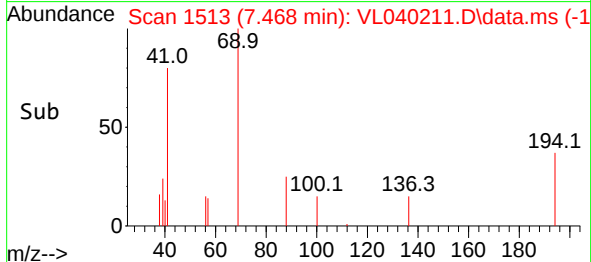
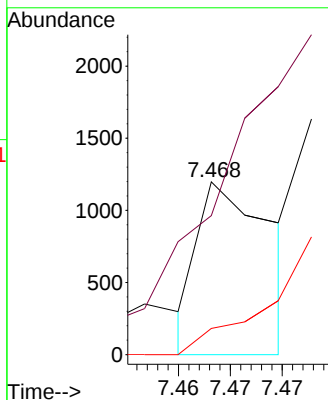
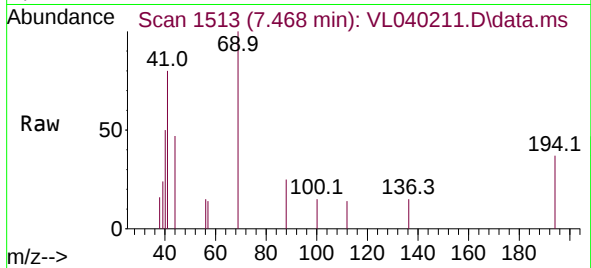




#43
Methyl Methacrylate
Concen: 0.010 ppbv
RT: 7.468 min Scan# 1513
Delta R.T. -0.026 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

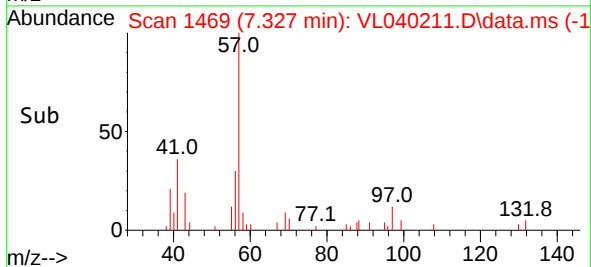
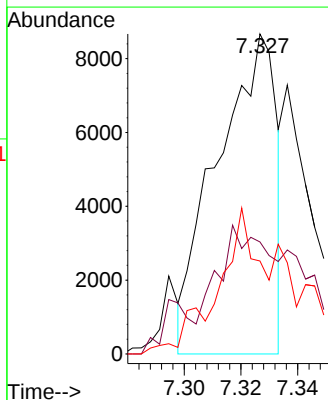
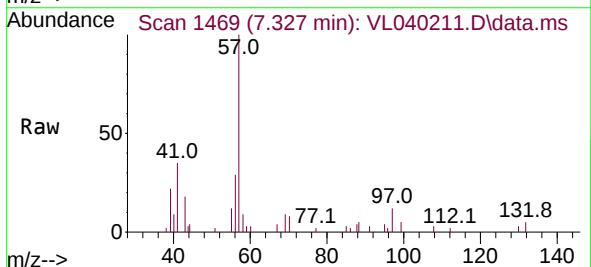
Instrument : MSVOA_1
ClientSampleId : LOD-MDL-AIR-01-QT1-2023

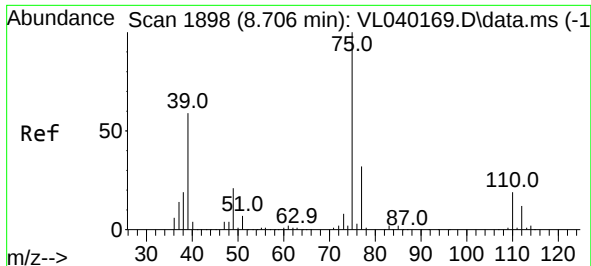
Tgt Ion: 69 Resp: 594
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 25.6 38.4#



#44
2,2,4-Trimethylpentane
Concen: 0.047 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.019 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 57 Resp: 12524
Ion Ratio Lower Upper
57 100
41 65.6 26.2 39.4#
56 57.9 24.9 37.3#





#45

t-1,3-Dichloropropene

Concen: 0.008 ppbv

RT: 8.719 min Scan# 1898

Delta R.T. -0.016 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

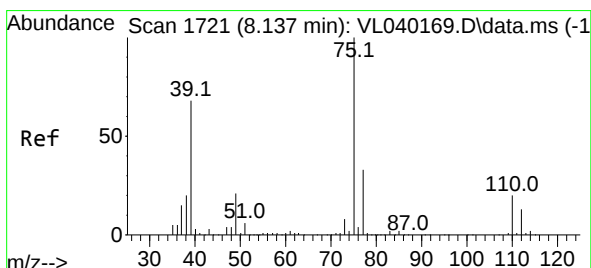
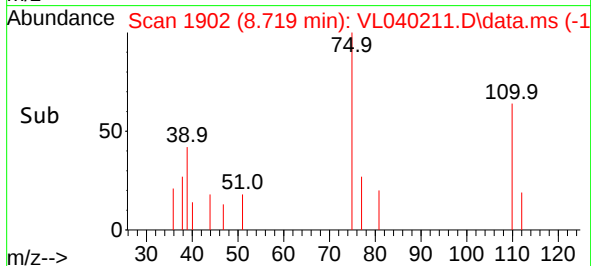
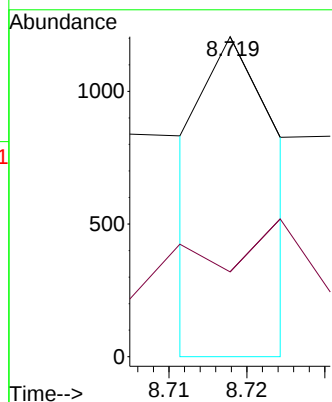
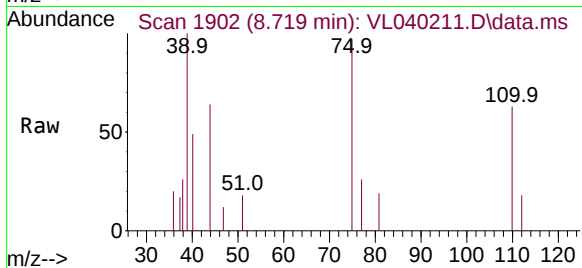
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 75 Resp: 392

Ion Ratio Lower Upper

75 100

77 26.5 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 0.029 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.026 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

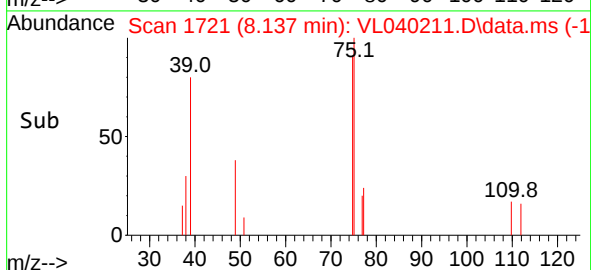
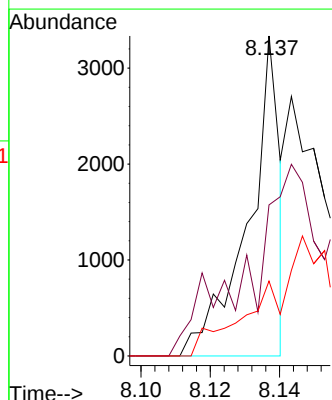
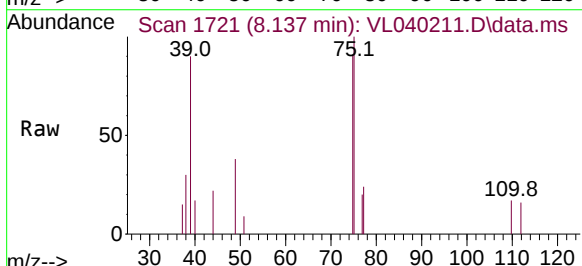
Tgt Ion: 75 Resp: 2102

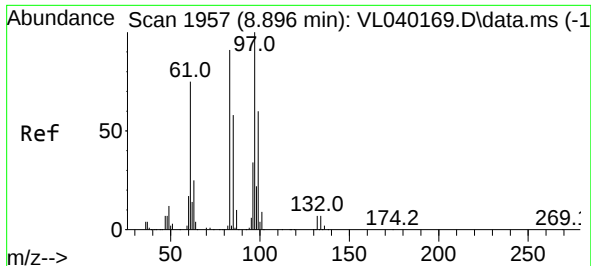
Ion Ratio Lower Upper

75 100

39 27.9 54.2 81.2#

77 23.4 26.0 39.0#





#47

1,1,2-Trichloroethane

Concen: 0.022 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. -0.029 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 97 Resp: 1490

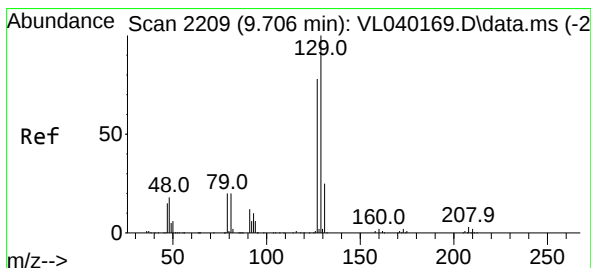
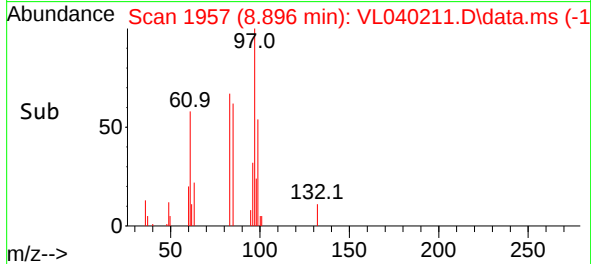
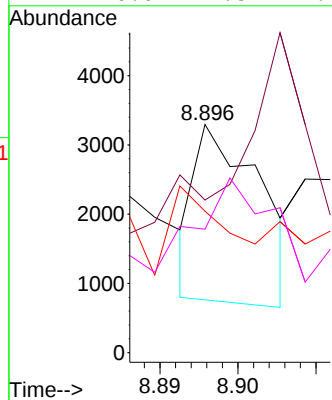
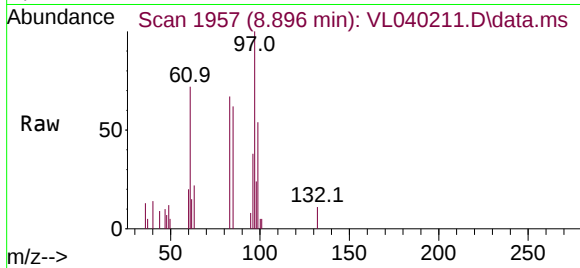
Ion Ratio Lower Upper

97 100

83 0.0 72.8 109.2#

85 9.8 46.6 69.8#

99 0.0 47.8 71.6#



#48

Dibromochloromethane

Concen: 0.054 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.026 min

Lab File: VL040211.D

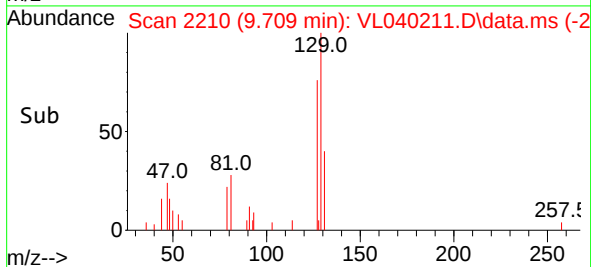
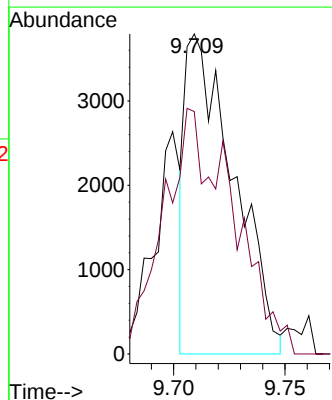
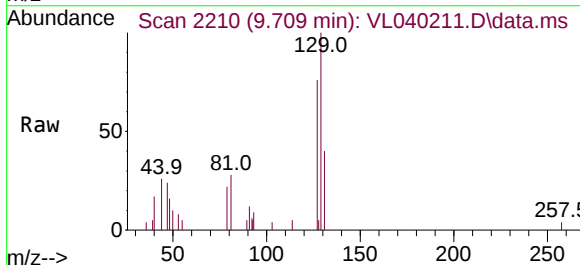
Acq: 22 Feb 2023 1:29

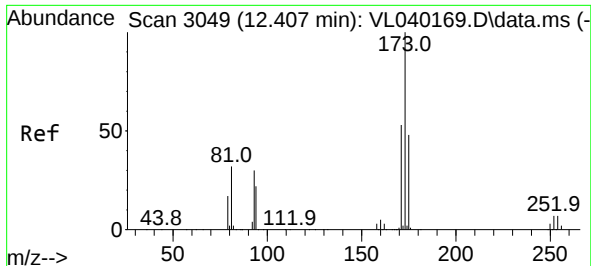
Tgt Ion: 129 Resp: 5723

Ion Ratio Lower Upper

129 100

127 111.0 39.1 117.2

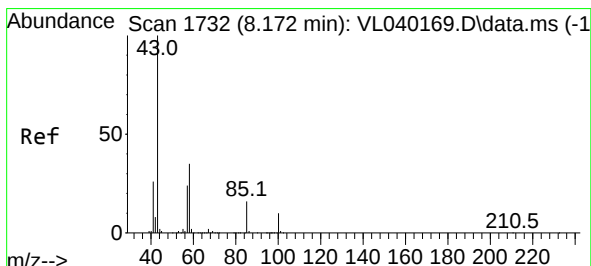
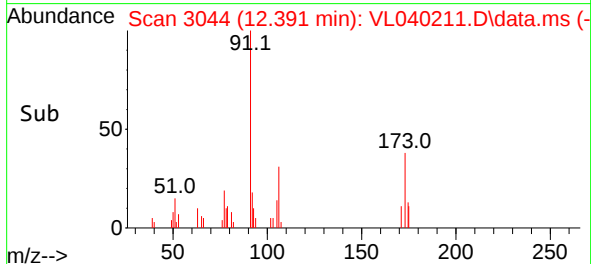
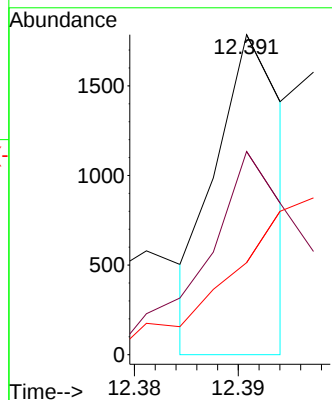
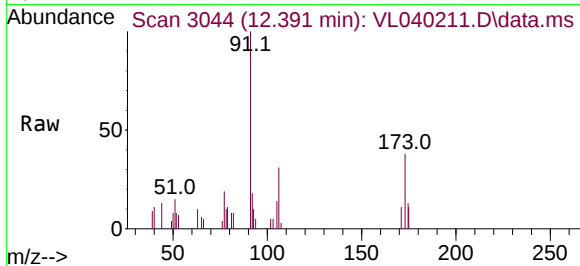




#49
Bromoform
Concen: 0.010 ppbv
RT: 12.391 min Scan# 3049
Delta R.T. -0.045 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

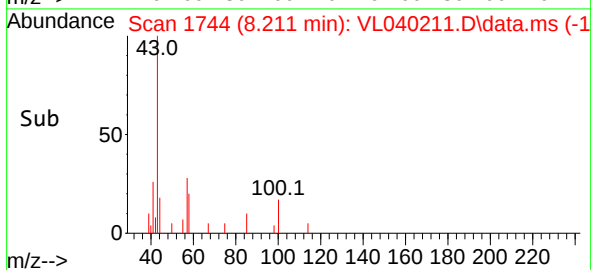
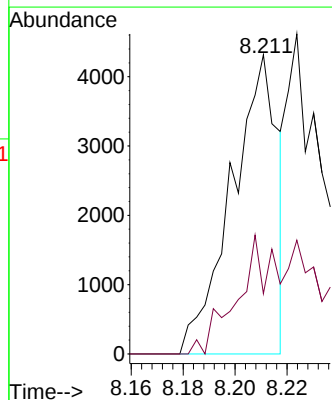
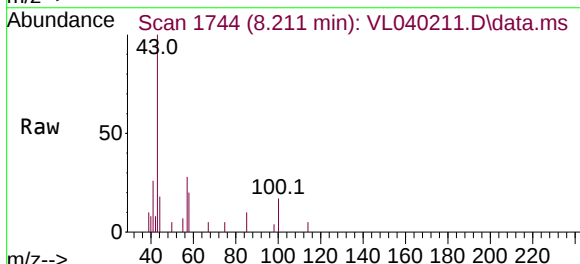
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

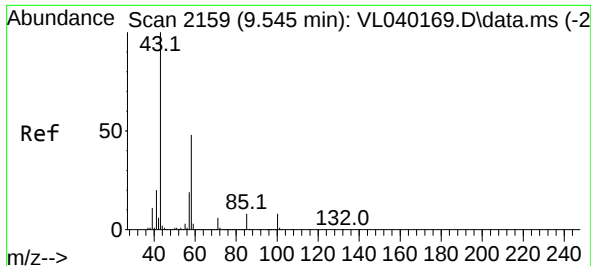
Tgt Ion:173 Resp: 808
Ion Ratio Lower Upper
173 100
175 0.0 39.4 59.0#
171 0.0 41.8 62.6#



#50
4-Methyl-2-Pentanone
Concen: 0.034 ppbv
RT: 8.211 min Scan# 1744
Delta R.T. 0.010 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 43 Resp: 5275
Ion Ratio Lower Upper
43 100
58 67.5 29.2 43.8#

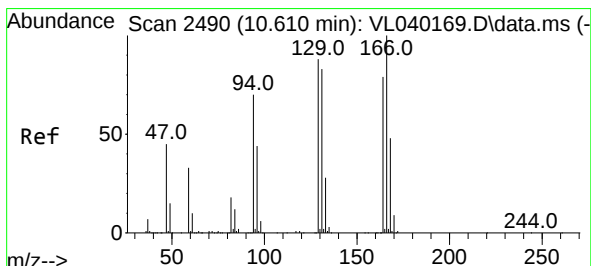
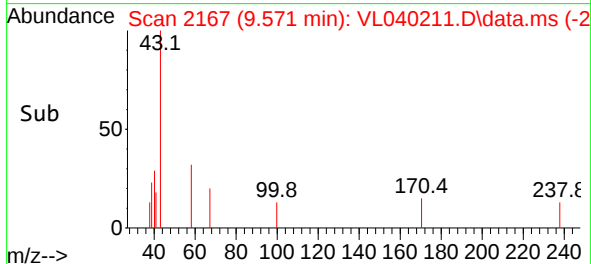
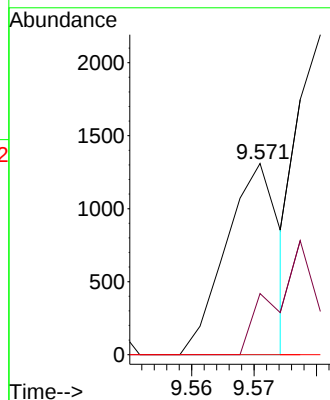
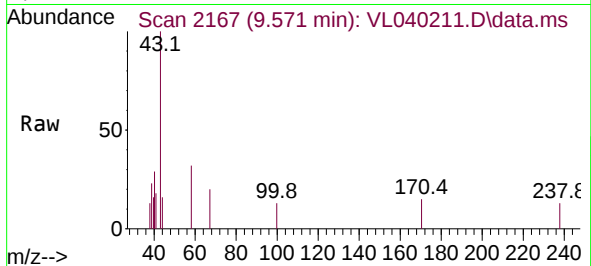




#51
2-Hexanone
Concen: 0.007 ppbv
RT: 9.571 min Scan# 2159
Delta R.T. -0.003 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

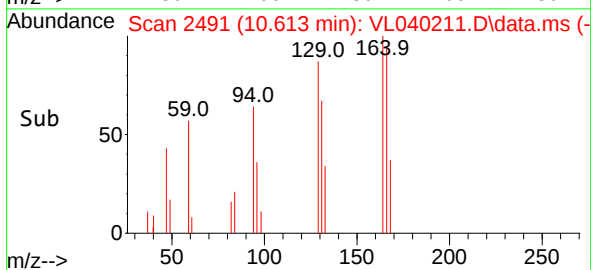
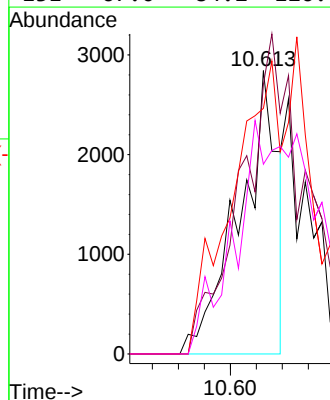
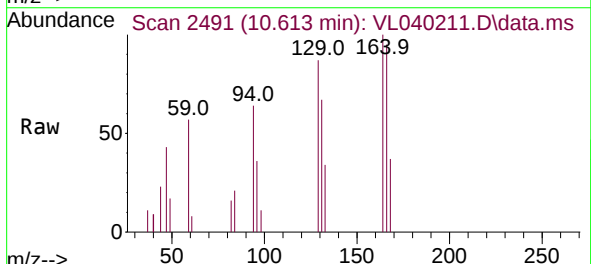
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

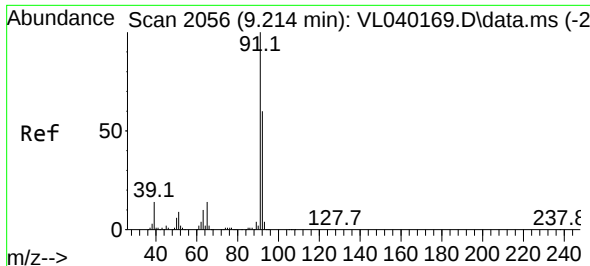
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.059 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.029 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 164 Resp: 2904
Ion Ratio Lower Upper
164 100
166 95.1 101.5 152.3#
129 86.7 89.0 133.4#
131 67.0 84.2 126.4#

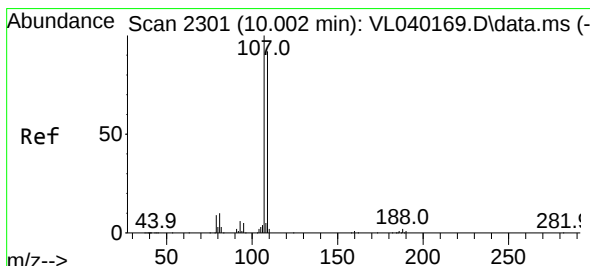
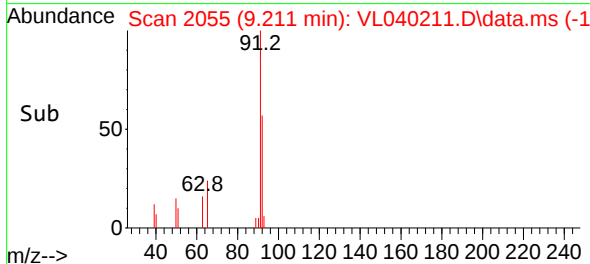
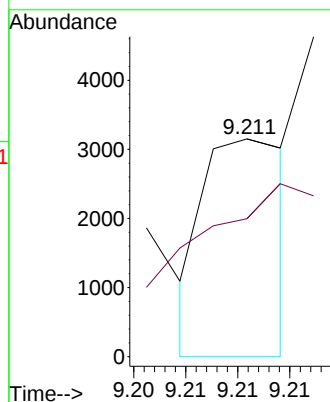
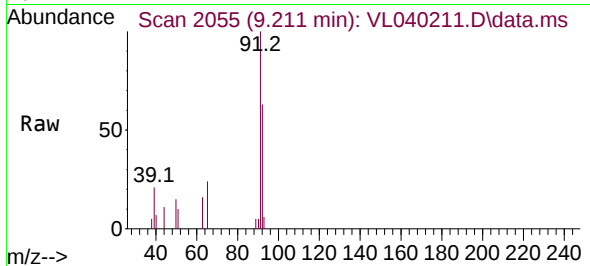




#53
Toluene
Concen: 0.010 ppbv
RT: 9.211 min Scan# 2056
Delta R.T. -0.035 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

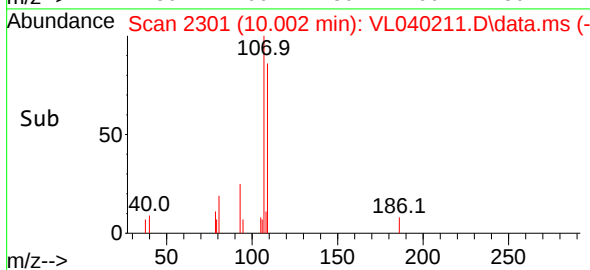
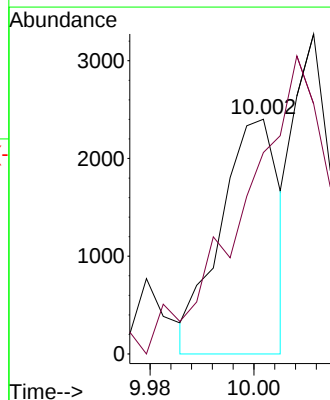
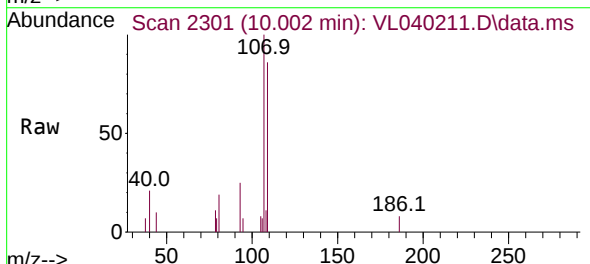
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT1-2023

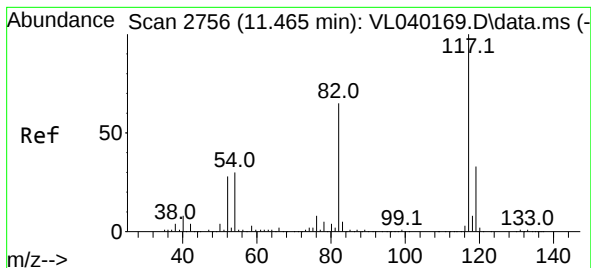
Tgt Ion: 91 Resp: 1769
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.027 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. -0.032 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 107 Resp: 1888
Ion Ratio Lower Upper
107 100
109 83.0 73.8 110.8

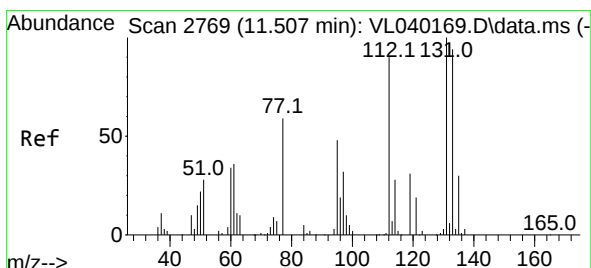
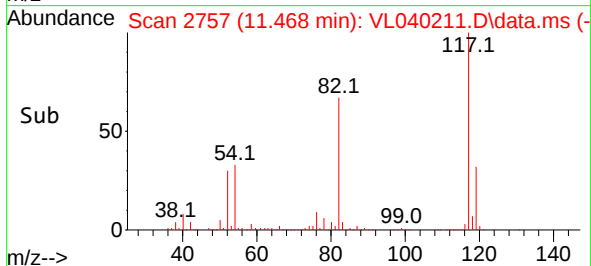
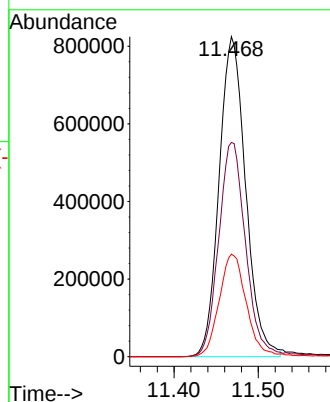
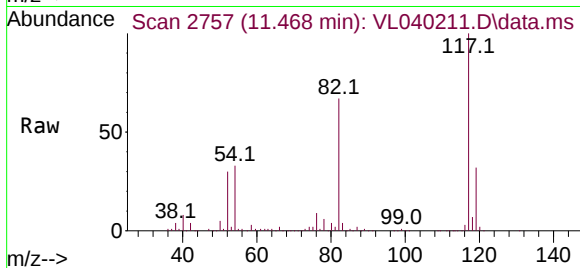




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

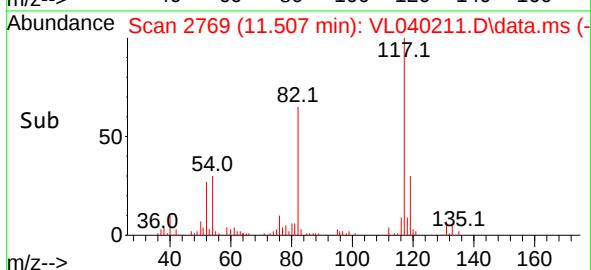
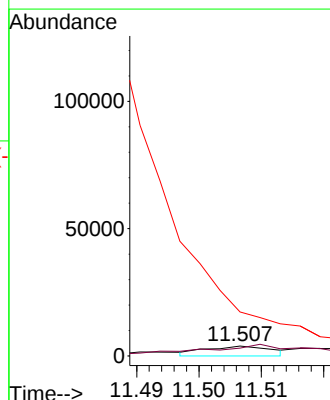
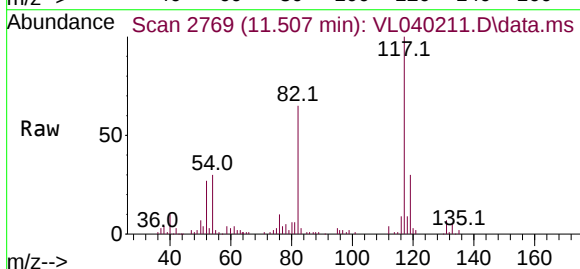
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

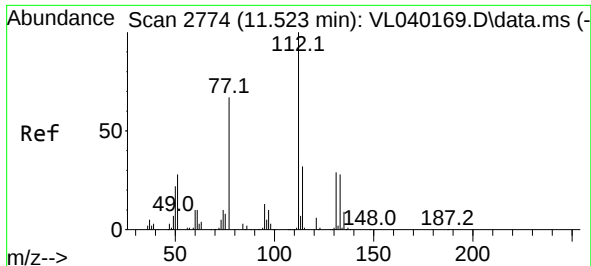
Tgt Ion:117 Resp: 1801094
Ion Ratio Lower Upper
117 100
82 69.1 53.3 79.9
119 33.2 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.038 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.032 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:131 Resp: 2849
Ion Ratio Lower Upper
131 100
133 278.9 76.2 114.2#
119 0.0 45.4 68.0#

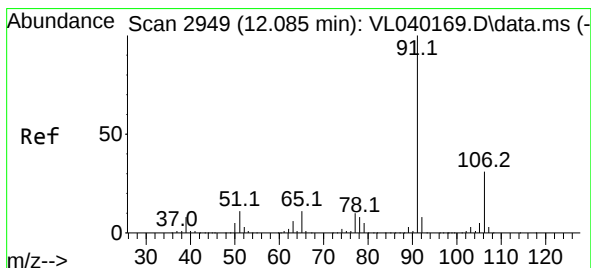
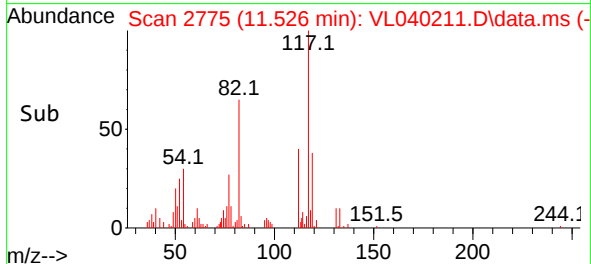
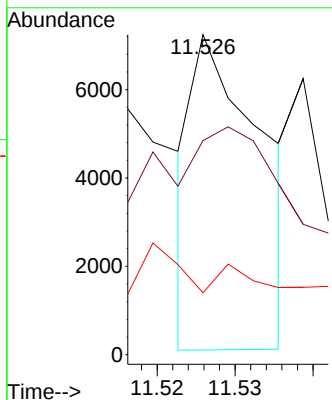
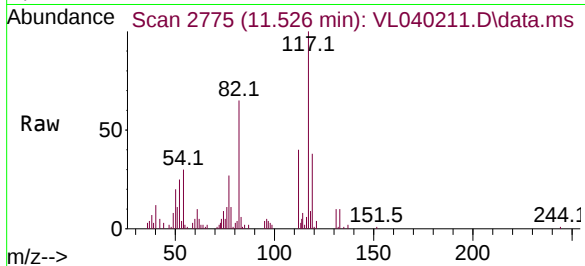




#57
Chlorobenzene
Concen: 0.033 ppbv
RT: 11.526 min Scan# 211
Delta R.T. -0.029 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

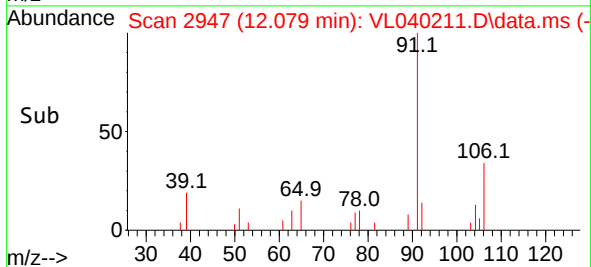
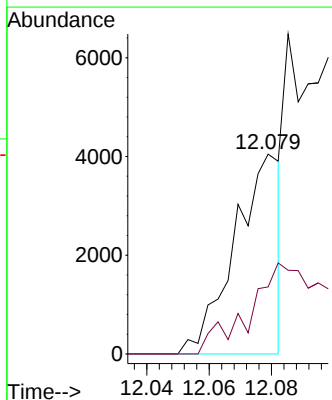
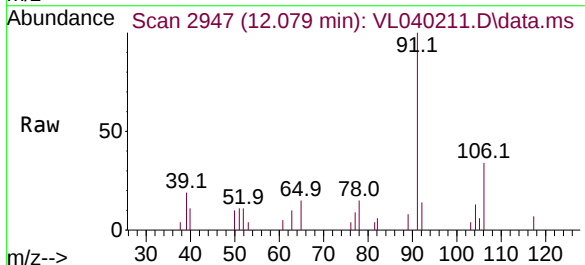
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

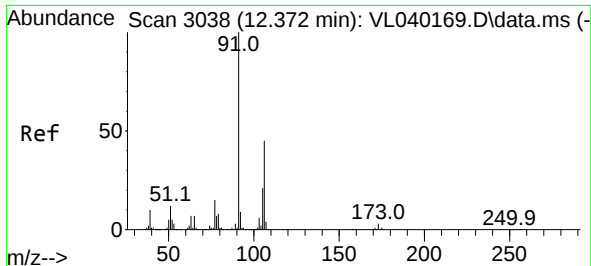
Tgt Ion:112 Resp: 4354
Ion Ratio Lower Upper
112 100
77 39.2 55.0 82.4#
114 0.0 29.0 35.4#



#58
Ethyl Benzene
Concen: 0.019 ppbv
RT: 12.079 min Scan# 2947
Delta R.T. -0.039 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 91 Resp: 4116
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3





#59

m/p-Xylene

Concen: 0.014 ppbv

RT: 12.371 min Scan# 3038

Delta R.T. -0.026 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

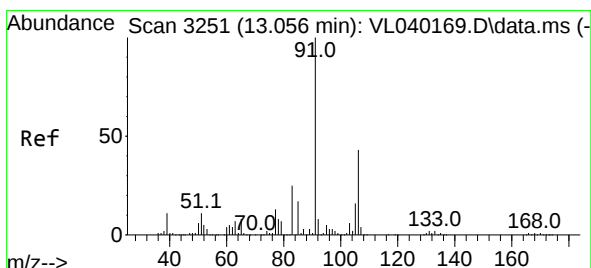
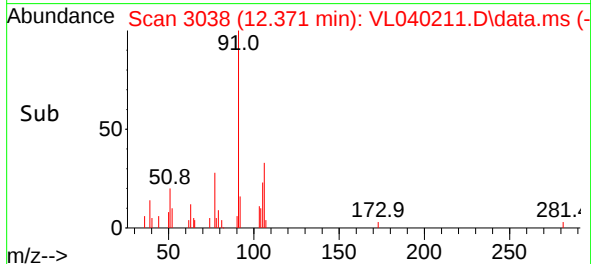
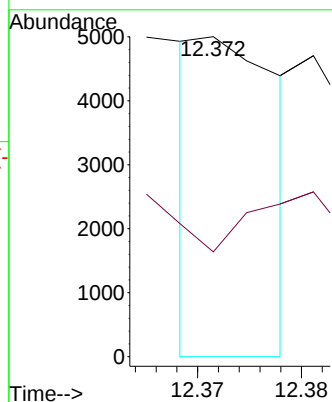
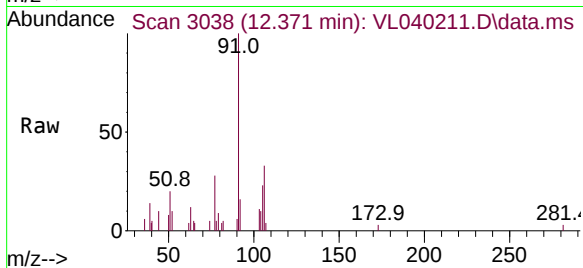
LOD-MDL-AIR-01-QT1-2023

Tgt Ion: 91 Resp: 2705

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#



#60

o-Xylene

Concen: 0.008 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.029 min

Lab File: VL040211.D

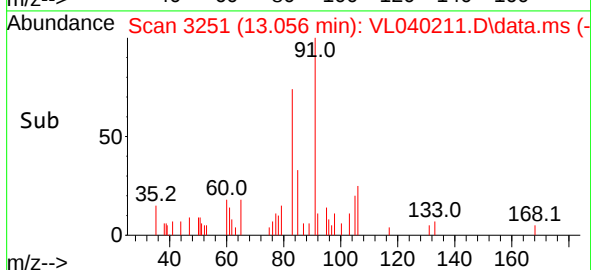
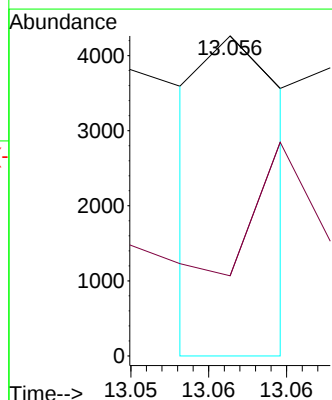
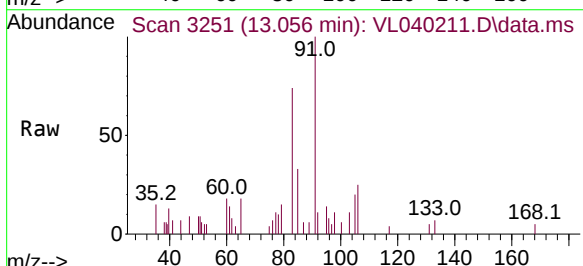
Acq: 22 Feb 2023 1:29

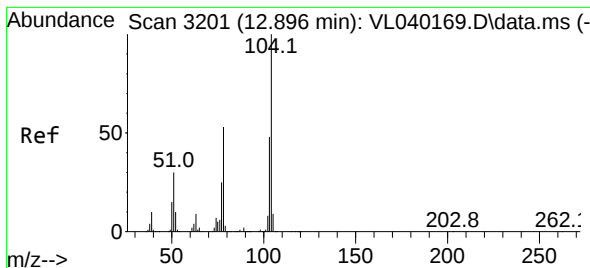
Tgt Ion: 91 Resp: 1510

Ion Ratio Lower Upper

91 100

106 301.6 21.6 65.0#





#61

Styrene

Concen: 0.028 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.026 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

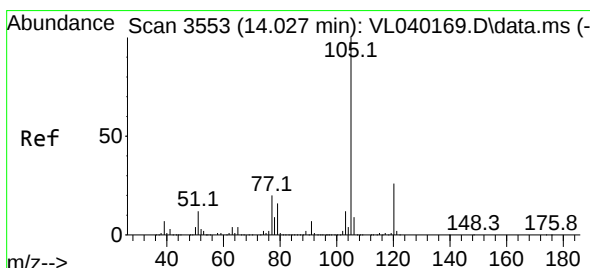
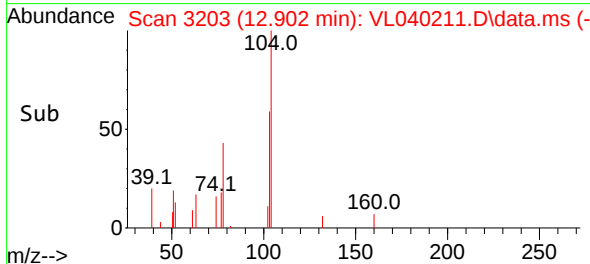
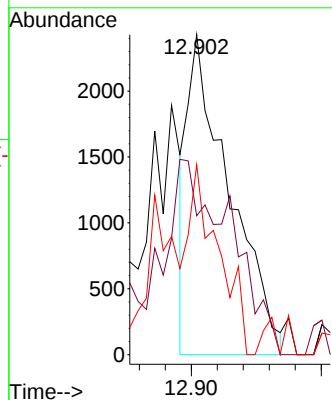
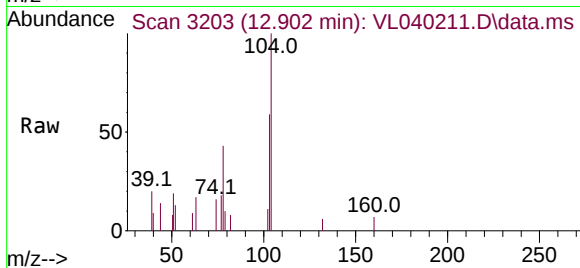
Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

Tgt Ion:104	Resp:	2737
Ion Ratio	Lower	Upper
104	100	
78	0.0	42.3 63.5#
103	85.5	37.5 56.3#



#62

Isopropylbenzene

Concen: 0.050 ppbv

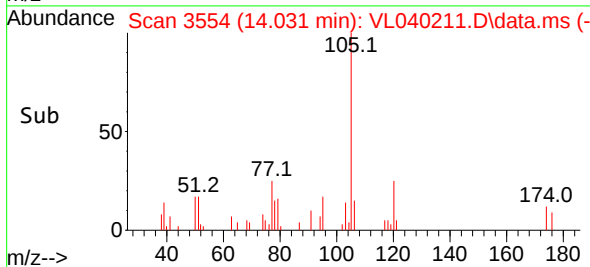
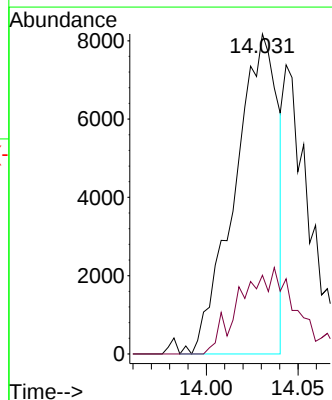
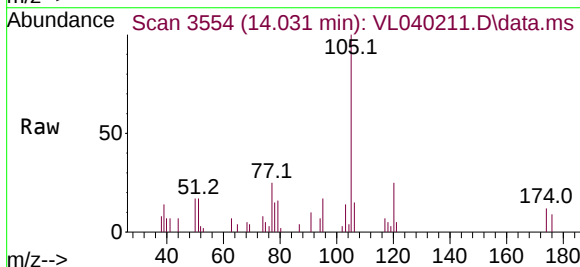
RT: 14.031 min Scan# 3554

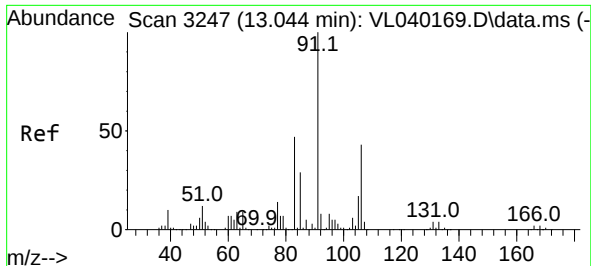
Delta R.T. -0.029 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion:105	Resp:	13326
Ion Ratio	Lower	Upper
105	100	
120	0.0	20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.030 ppbv

RT: 13.047 min Scan# 31

Delta R.T. -0.029 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

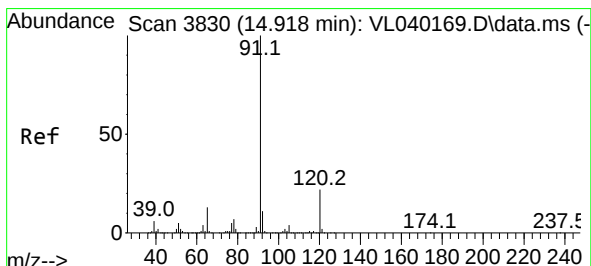
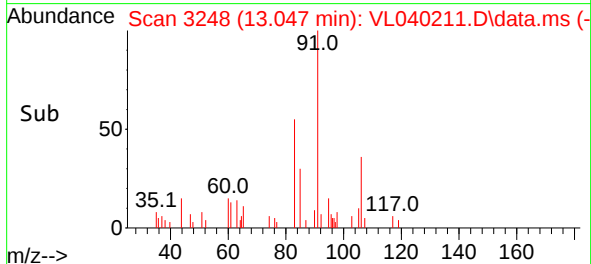
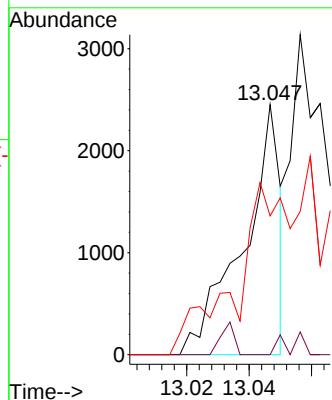
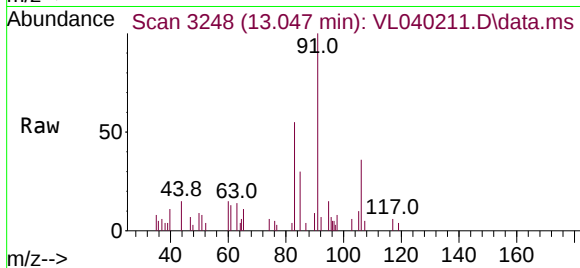
Tgt Ion: 83 Resp: 2006

Ion Ratio Lower Upper

83 100

131 4.7 4.4 13.2

85 0.0 33.0 99.0#



#64

n-propylbenzene

Concen: 0.015 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. -0.035 min

Lab File: VL040211.D

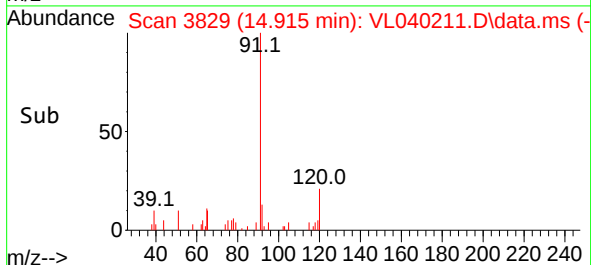
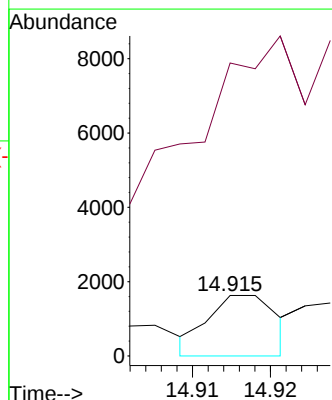
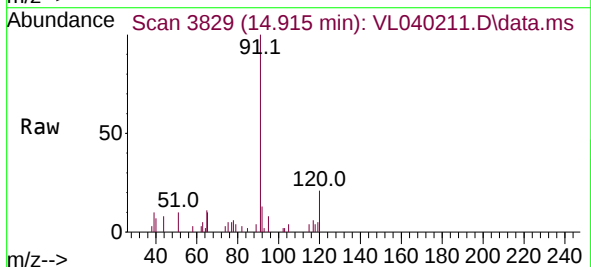
Acq: 22 Feb 2023 1:29

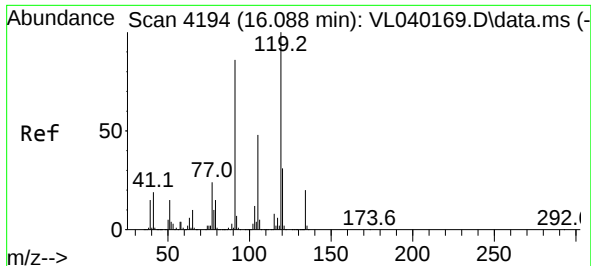
Tgt Ion:120 Resp: 998

Ion Ratio Lower Upper

120 100

91 2183.0 389.8 584.8#

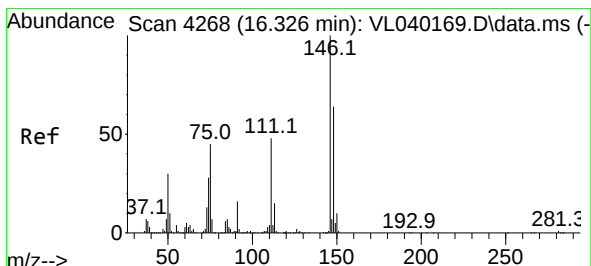
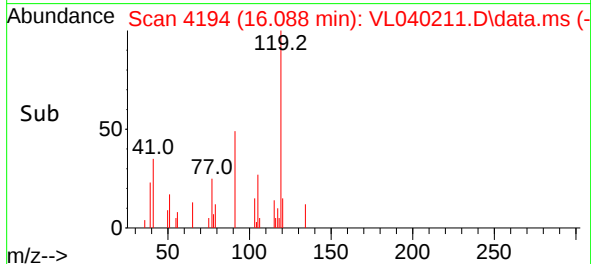
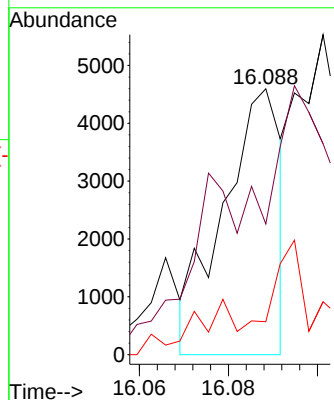
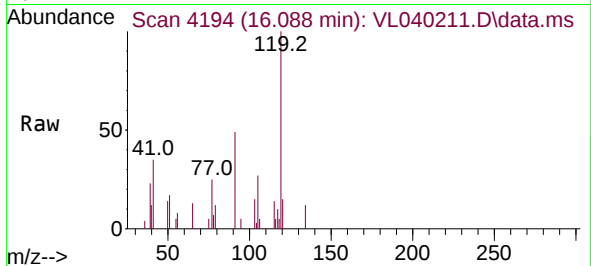




#65
tert-Butylbenzene
Concen: 0.018 ppbv
RT: 16.088 min Scan# 4194
Delta R.T. -0.032 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

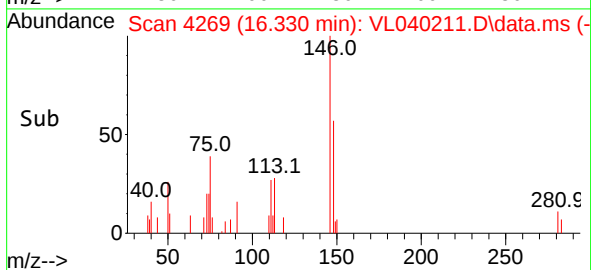
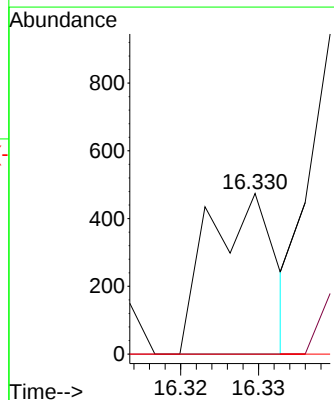
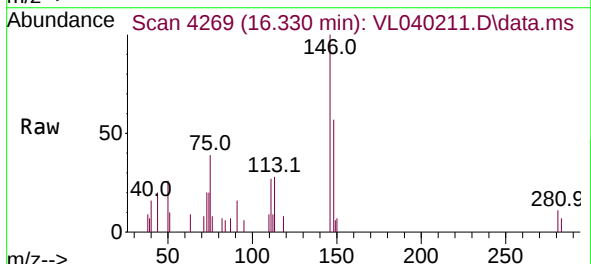
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

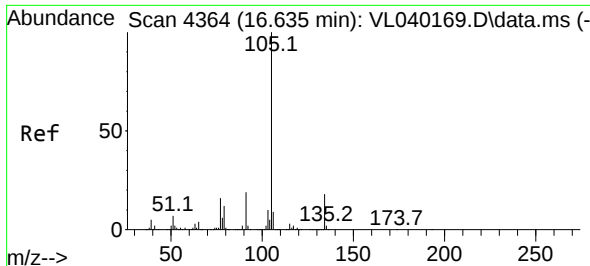
Tgt Ion:119 Resp: 4136
Ion Ratio Lower Upper
119 100
91 0.0 68.6 102.8#
134 0.0 15.9 23.9#



#66
Benzyl Chloride
Concen: 0.018 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. -0.029 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion: 91 Resp: 280
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.011 ppbv

RT: 16.625 min Scan# 4361

Delta R.T. -0.042 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_1

ClientSampleId :

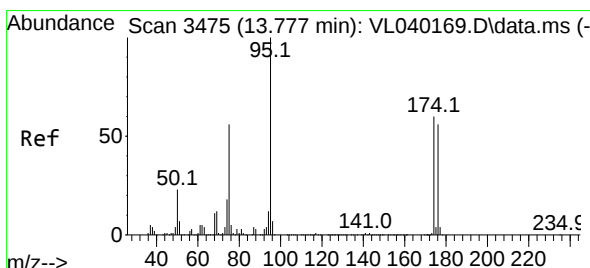
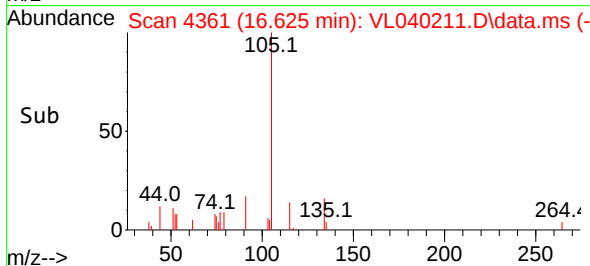
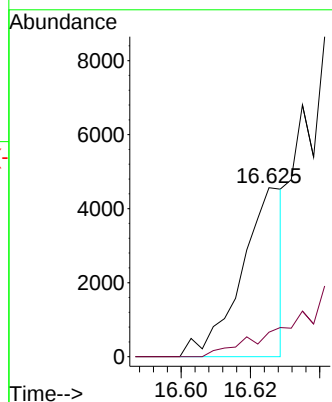
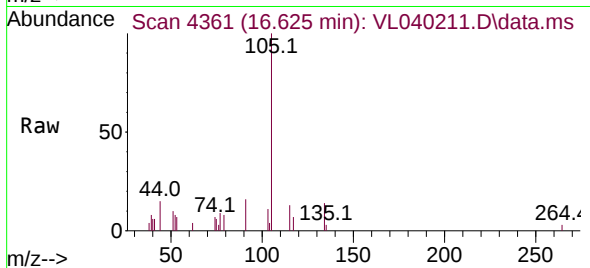
LOD-MDL-AIR-01-QT1-2023

Tgt Ion:105 Resp: 3828

Ion Ratio Lower Upper

105 100

134 0.0 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.045 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.026 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

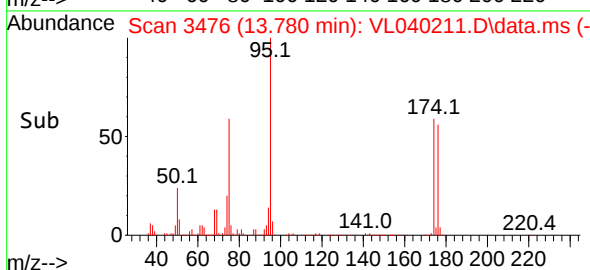
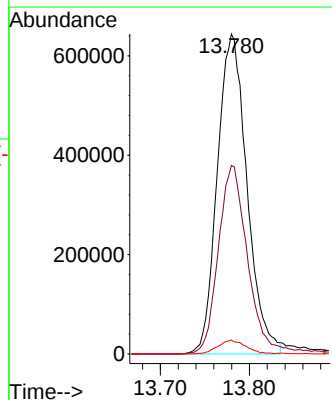
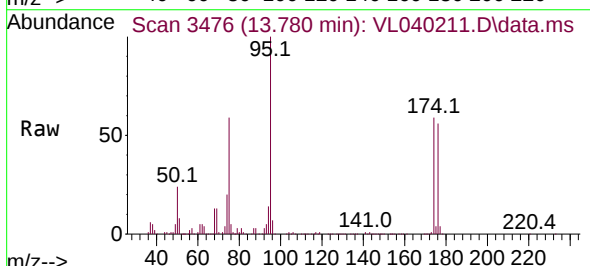
Tgt Ion: 95 Resp: 1487641

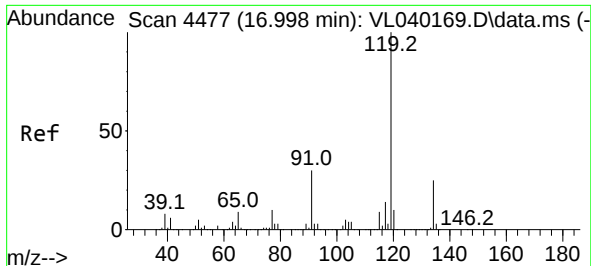
Ion Ratio Lower Upper

95 100

174 59.1 48.2 72.2

175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.025 ppbv

RT: 17.005 min Scan# 44

Delta R.T. -0.019 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023

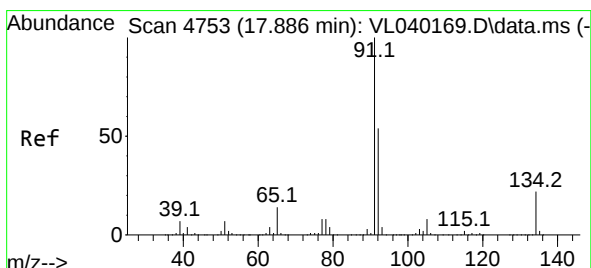
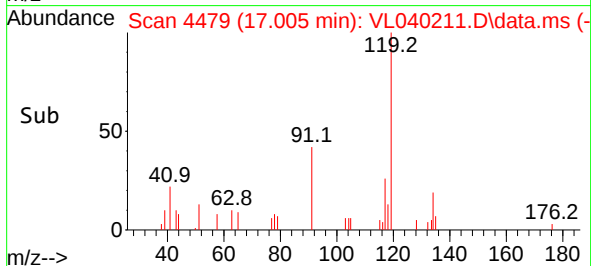
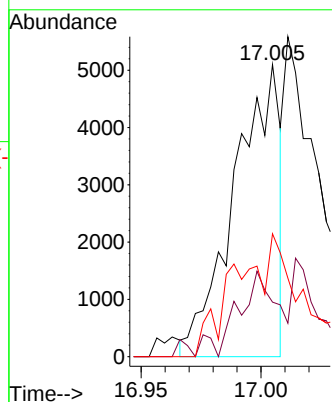
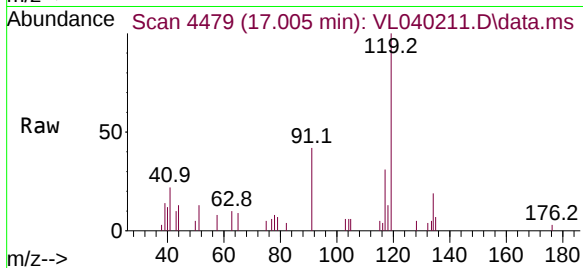
Tgt Ion:119 Resp: 6717

Ion Ratio Lower Upper

119 100

134 0.0 20.2 30.2#

91 66.1 24.7 37.1#



#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.039 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

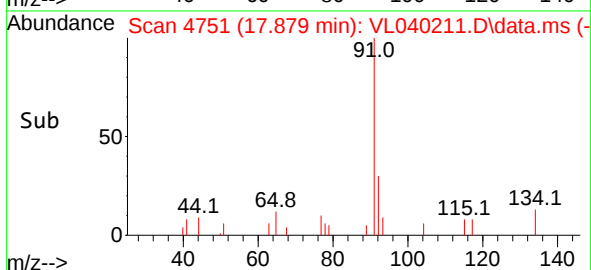
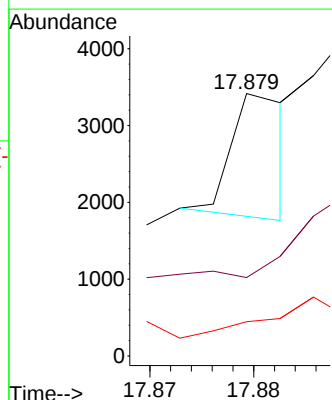
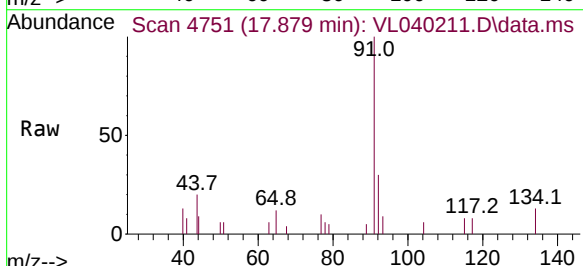
Tgt Ion: 91 Resp: 609

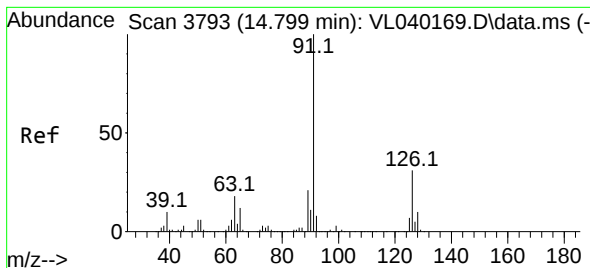
Ion Ratio Lower Upper

91 100

92 0.0 43.0 64.6#

134 0.0 16.9 25.3#

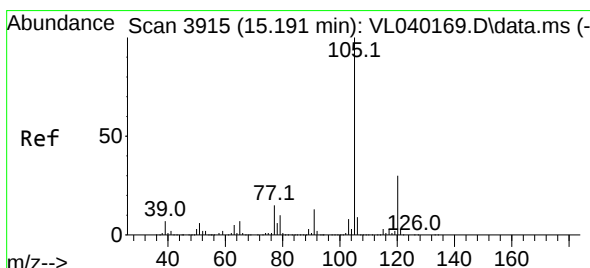
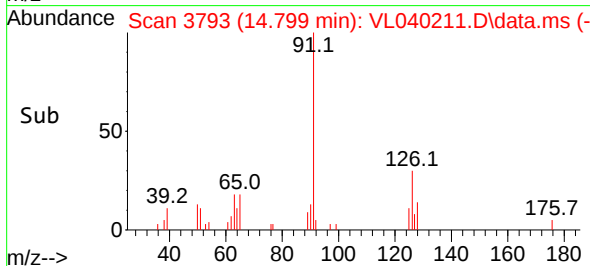
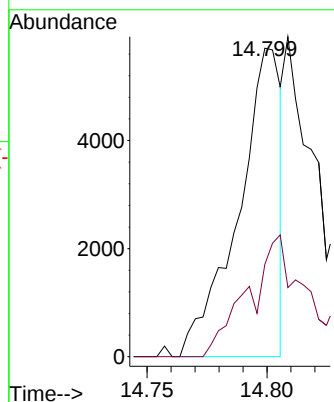
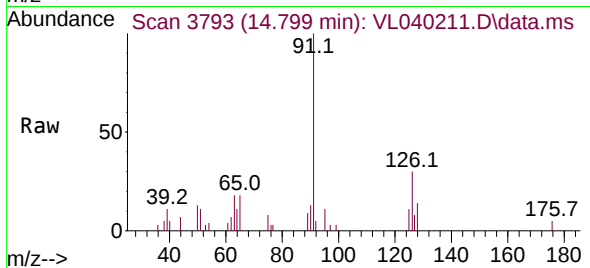




#71
2-Chlorotoluene
Concen: 0.034 ppbv
RT: 14.799 min Scan# 31
Delta R.T. -0.032 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

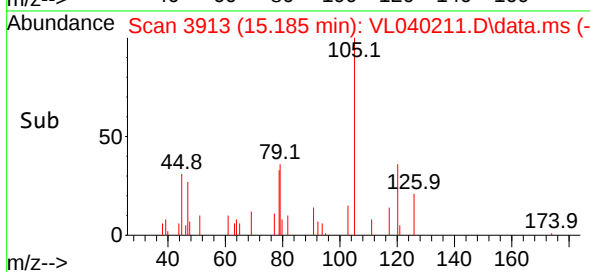
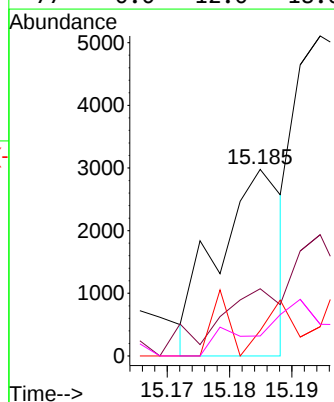
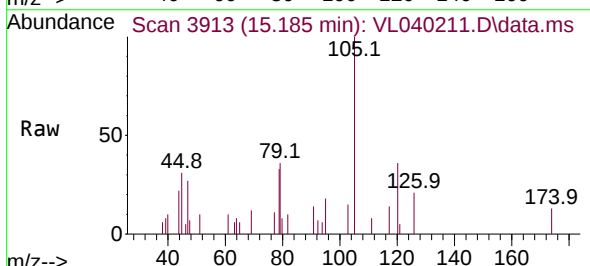
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

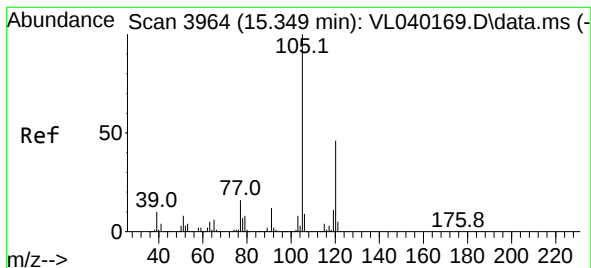
Tgt Ion: 91 Resp: 7042
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.010 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. -0.035 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:105 Resp: 2156
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 11.3 16.9#
77 0.0 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.010 ppbv

RT: 15.342 min Scan# 3964

Delta R.T. -0.039 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_1

ClientSampleId :

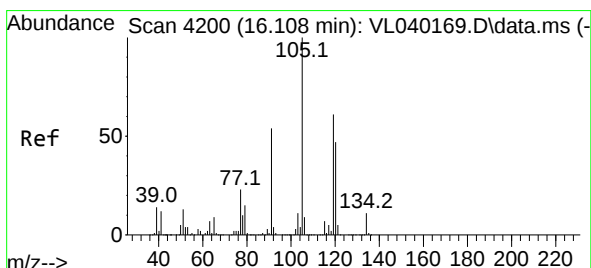
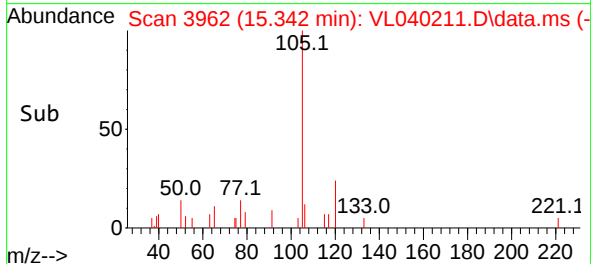
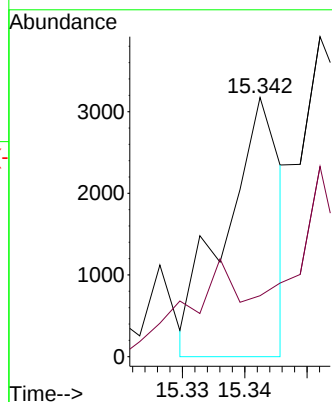
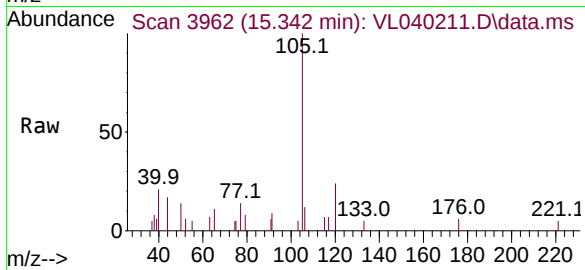
LOD-MDL-AIR-01-QT1-2023

Tgt Ion:105 Resp: 1969

Ion Ratio Lower Upper

105 100

120 2.3 36.8 55.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.036 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.019 min

Lab File: VL040211.D

Acq: 22 Feb 2023 1:29

Tgt Ion:105 Resp: 7484

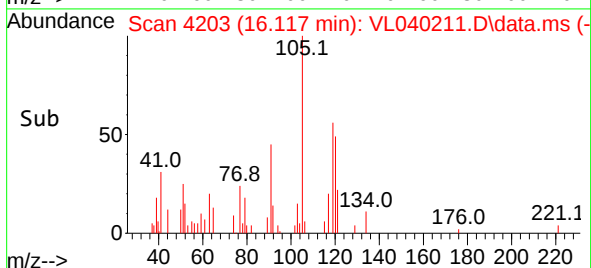
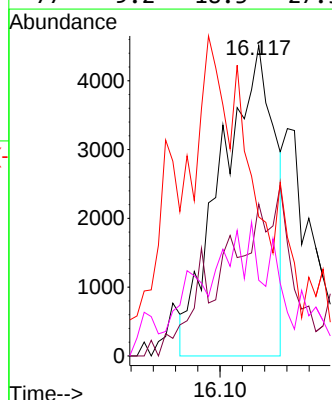
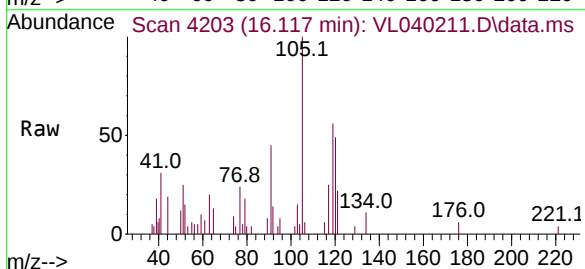
Ion Ratio Lower Upper

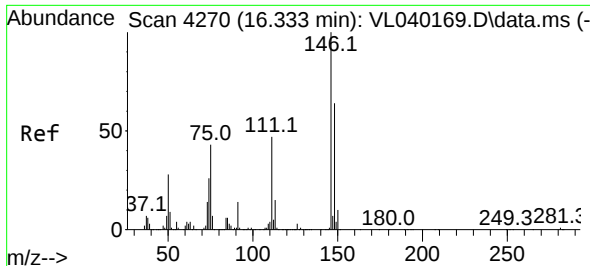
105 100

120 45.0 37.9 56.9

91 13.7 43.7 65.5#

77 9.2 18.3 27.5#

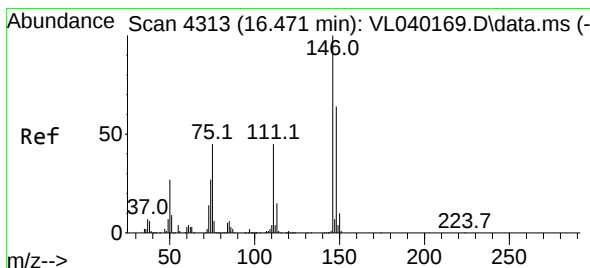
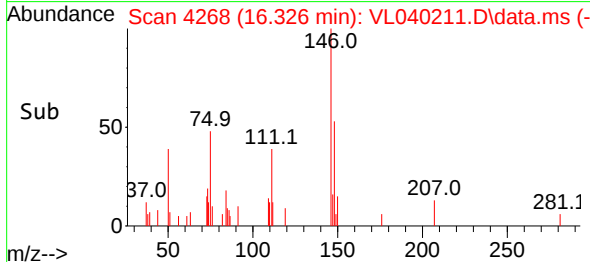
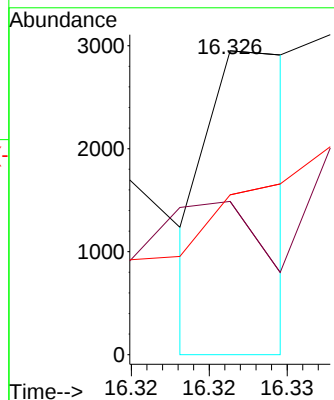
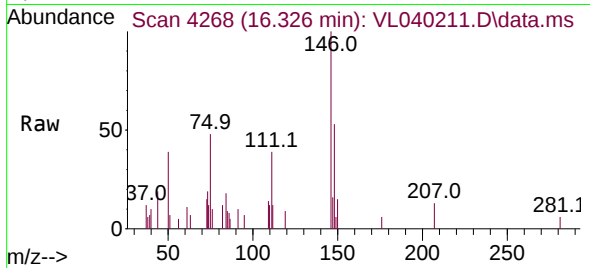




#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 16.326 min Scan# 411
Delta R.T. -0.035 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

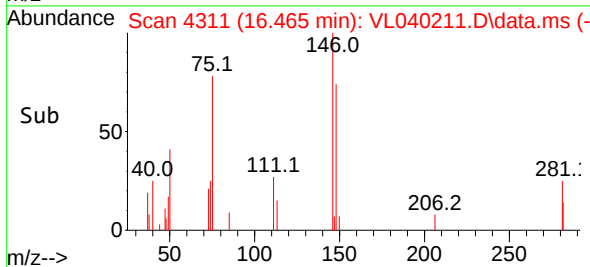
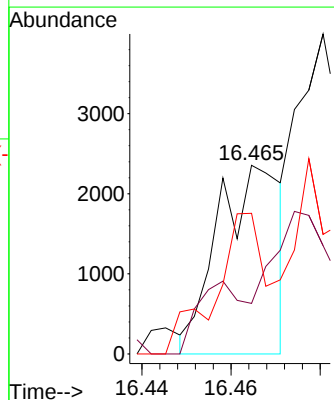
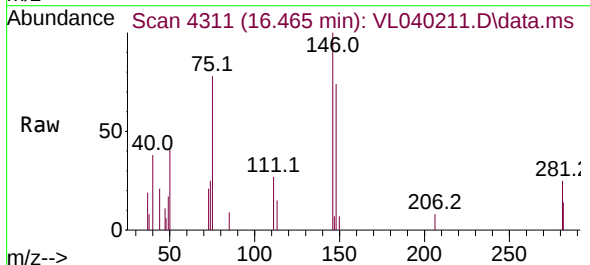
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

Tgt Ion:146 Resp: 1131
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.020 ppbv
RT: 16.465 min Scan# 4311
Delta R.T. -0.039 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:146 Resp: 2298
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#

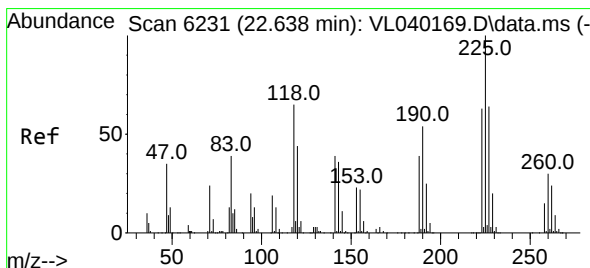
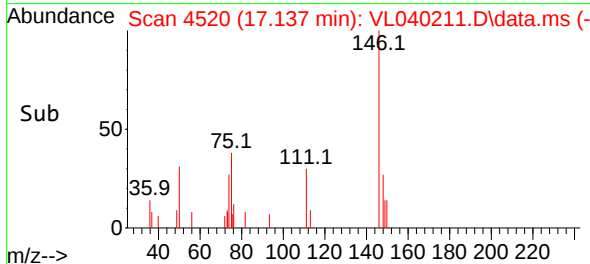
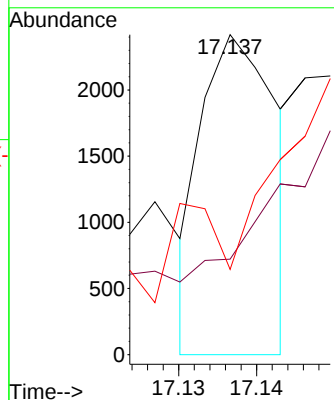
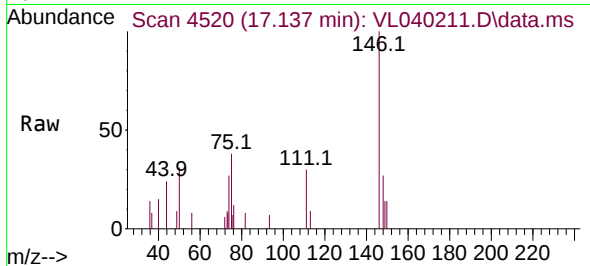




#77
1,2-Dichlorobenzene
Concen: 0.014 ppbv
RT: 17.137 min Scan# 411
Delta R.T. -0.042 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

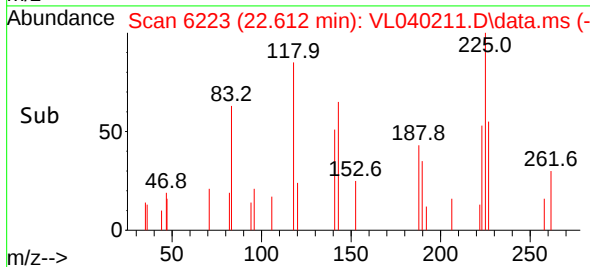
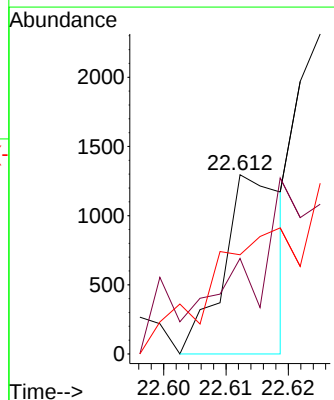
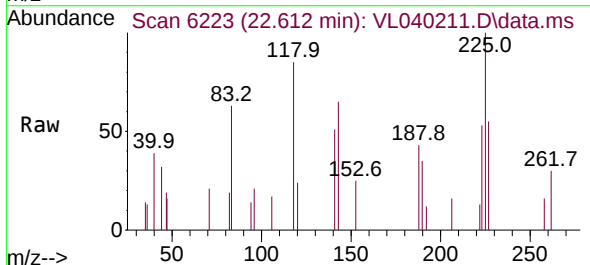
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

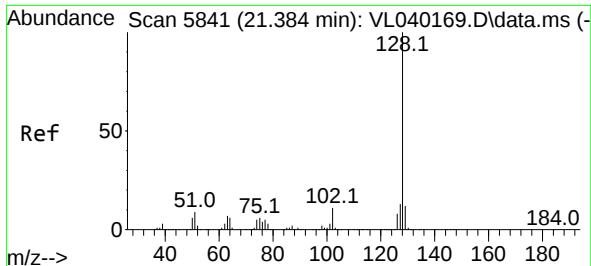
Tgt Ion:146 Resp: 1619
Ion Ratio Lower Upper
146 100
111 0.0 25.3 75.8#
148 0.0 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.011 ppbv
RT: 22.612 min Scan# 6223
Delta R.T. -0.055 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:225 Resp: 844
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

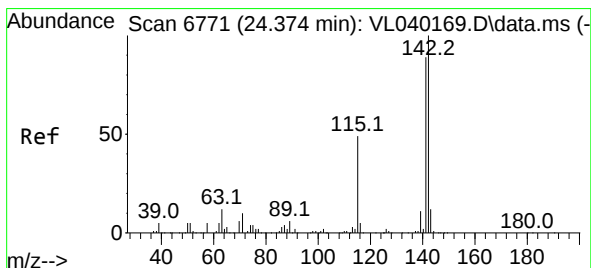
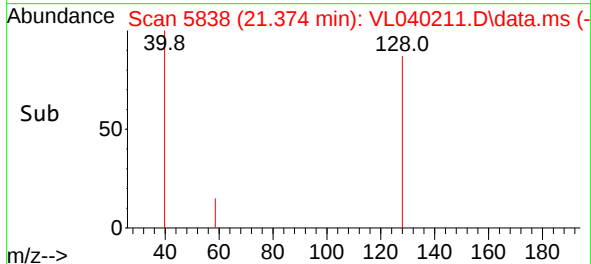
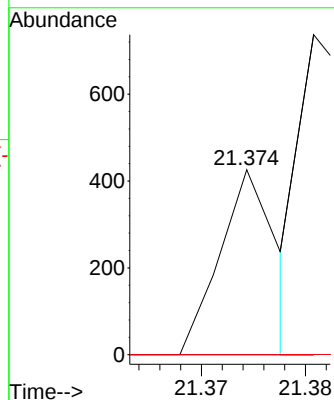
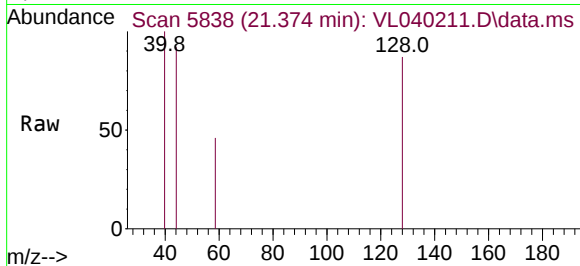




#79
Naphthalene
Concen: 0.001 ppbv
RT: 21.374 min Scan# 5838
Delta R.T. -0.045 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

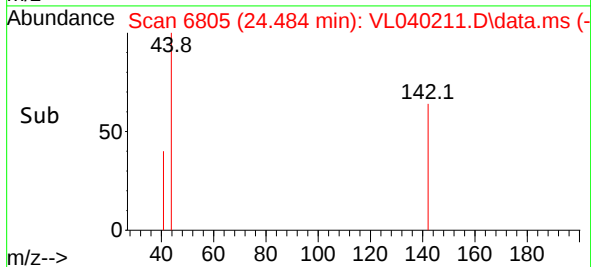
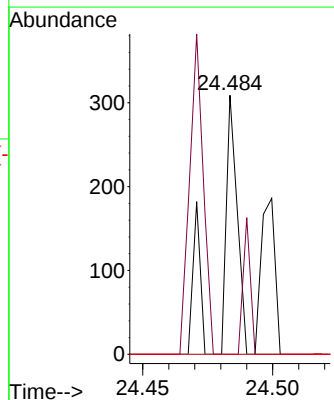
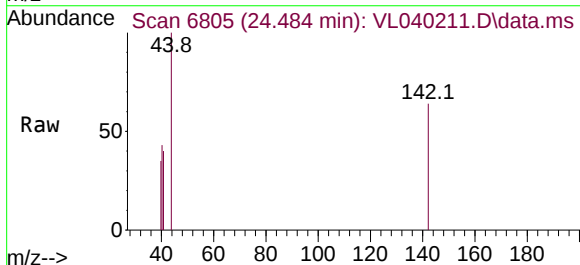
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2023

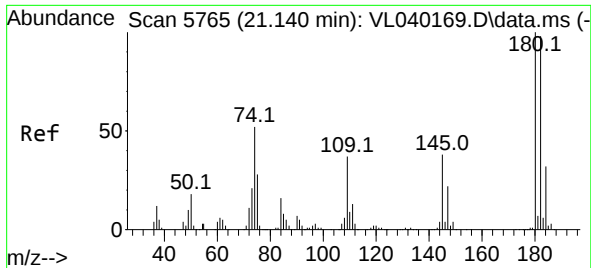
Tgt Ion:128 Resp: 163
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.006 ppbv
RT: 24.484 min Scan# 6805
Delta R.T. 0.084 min
Lab File: VL040211.D
Acq: 22 Feb 2023 1:29

Tgt Ion:142 Resp: 192
Ion Ratio Lower Upper
142 100
141 89.6 67.3 100.9
115 0.0 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.006 ppbv

RT: 21.127 min Scan# 51

Delta R.T. -0.048 min

Lab File: VL040211.D

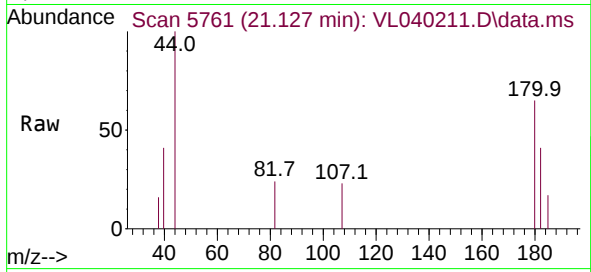
Acq: 22 Feb 2023 1:29

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2023



Tgt Ion:180 Resp: 411

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 0.0 24.6 36.8#

