

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040219.D
 Acq On : 23 Feb 2023 12:35
 Operator : SY/MD
 Sample : 01627-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Quant Time: Feb 24 01:01:34 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 : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	845418	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2170017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1933920	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1594835	10.029	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	91030	0.578	ppbv	93
3) Chlorodifluoromethane	2.665	51	52547	0.520	ppbv	98
4) Chloromethane	2.803	50	34751	0.548	ppbv	98
5) Vinyl Chloride	2.912	62	26061	0.511	ppbv	95
6) Bromomethane	3.108	94	6170	0.335	ppbv	83
7) Chloroethane	3.189	64	9285	0.459	ppbv	98
8) Dichlorotetrafluoroethane	2.848	85	70160	0.517	ppbv	98
9) Propene	2.684	41	23321	0.566	ppbv	99
10) Heptane	7.578	43	44408	0.453	ppbv	100
11) Trichlorofluoromethane	3.558	101	73035	0.517	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	54876	0.526	ppbv	97
13) Ethanol	3.247	45	1126	0.297	ppbv #	41
14) Bromoethene	3.362	108	18891	0.472	ppbv #	82
15) Acetone	3.478	43	26187	0.257	ppbv #	15
16) 1,3-Butadiene	2.980	39	23791	0.512	ppbv	93
17) tert-Butyl alcohol	3.890	59	51216	0.552	ppbv	95
18) 1,1-Dichloroethene	3.874	96	22343	0.493	ppbv	87
19) Isopropyl Alcohol	3.591	45	27979	0.578	ppbv #	94
20) Methylene Chloride	3.925	84	35770	0.675	ppbv	92
21) Allyl Chloride	3.989	41	31460	0.504	ppbv	89
22) trans-1,2-Dichloroethene	4.439	96	24390	0.520	ppbv	84
23) Vinyl Acetate	4.632	43	15837	0.513	ppbv #	90
24) 1,1-Dichloroethane	4.558	63	49790	0.516	ppbv	98
25) Ethyl Acetate	5.211	43	95560	0.505	ppbv	98
26) Hexane	5.214	57	17616	0.217	ppbv #	1
27) Carbon Disulfide	4.124	76	45225	0.439	ppbv #	88
28) Methyl tert-Butyl Ether	4.591	73	20545	0.236	ppbv #	52
29) Chloroform	5.266	83	68441	0.491	ppbv	94
30) Cyclohexane	6.607	84	16936	0.266	ppbv #	27
31) cis-1,2-Dichloroethene	5.076	61	35474	0.460	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	66569	0.508	ppbv	98
34) 2-Butanone	4.800	43	50257	0.469	ppbv	95
35) Carbon Tetrachloride	6.491	117	62262	0.485	ppbv	97
36) Benzene	6.369	78	81933	0.485	ppbv #	92
37) 1,2-Dichloroethane	5.806	62	51902	0.491	ppbv	100
38) Trichloroethene	7.295	130	42332	0.455	ppbv	93
39) 1,2-Dichloropropane	7.076	63	29526	0.449	ppbv	91
40) 1,4-Dioxane	7.327	88	8805	0.335	ppbv #	11
41) Tetrahydrofuran	5.578	42	27423	0.442	ppbv	96
42) Bromodichloromethane	7.250	83	62772	0.431	ppbv #	98
43) Methyl Methacrylate	7.481	69	22204	0.355	ppbv #	79
44) 2,2,4-Trimethylpentane	7.330	57	132069	0.468	ppbv	95
45) t-1,3-Dichloropropene	8.719	75	19261	0.347	ppbv #	87

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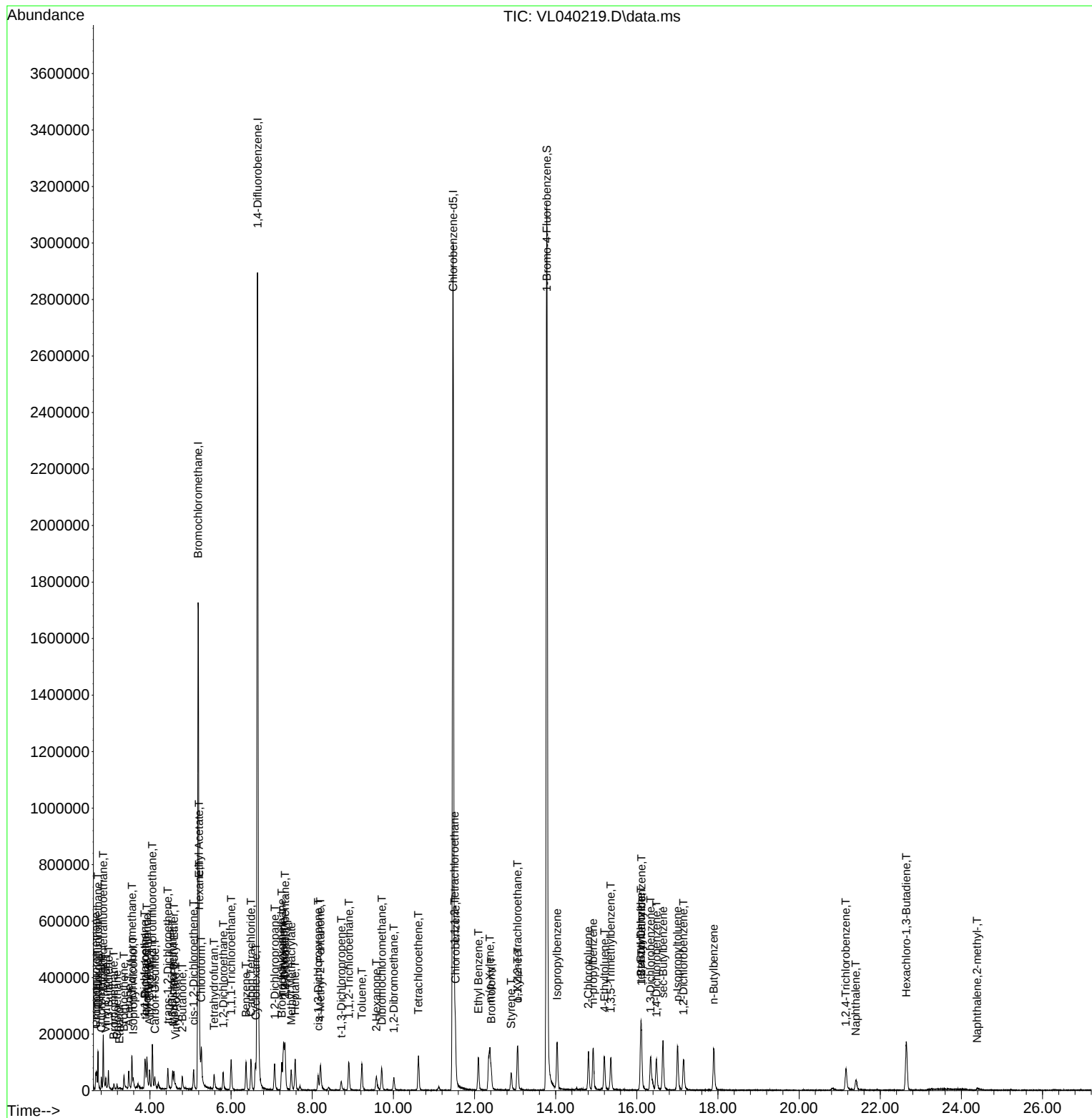
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	30487	0.395	ppbv	89
47) 1,1,2-Trichloroethane	8.905	97	16175	0.228	ppbv	90
48) Dibromochloromethane	9.716	129	46281	0.407	ppbv	99
49) Bromoform	12.413	173	14421	0.163	ppbv #	7
50) 4-Methyl-2-Pentanone	8.201	43	71779	0.432	ppbv	99
51) 2-Hexanone	9.581	43	31022	0.243	ppbv #	55
52) Tetrachloroethene	10.616	164	25789	0.489	ppbv	89
53) Toluene	9.224	91	44625	0.247	ppbv #	49
54) 1,2-Dibromoethane	10.012	107	30199	0.408	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.510	131	37954	0.468	ppbv #	1
57) Chlorobenzene	11.532	112	67628	0.479	ppbv #	88
58) Ethyl Benzene	12.098	91	95782	0.408	ppbv	91
59) m/p-Xylene	12.378	91	87929	0.422	ppbv #	33
60) o-Xylene	13.066	91	47270	0.236	ppbv #	47
61) Styrene	12.902	104	22309	0.212	ppbv #	27
62) Isopropylbenzene	14.034	105	131760	0.458	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.056	83	18943	0.262	ppbv #	22
64) n-propylbenzene	14.921	120	19728	0.277	ppbv #	1
65) tert-Butylbenzene	16.095	119	107723	0.431	ppbv	92
66) Benzyl Chloride	16.101	91	97476	5.862	ppbv #	68
67) sec-Butylbenzene	16.648	105	161630	0.451	ppbv	98
69) p-Isopropyltoluene	17.002	119	111482	0.392	ppbv #	93
70) n-Butylbenzene	17.895	91	75510	0.245	ppbv #	57
71) 2-Chlorotoluene	14.806	91	96189	0.438	ppbv	98
72) 4-Ethyltoluene	15.204	105	60525	0.273	ppbv #	71
73) 1,3,5-Trimethylbenzene	15.359	105	79147	0.384	ppbv	93
74) 1,2,4-Trimethylbenzene	16.117	105	98476	0.435	ppbv #	84
75) 1,3-Dichlorobenzene	16.336	146	28702	0.232	ppbv #	17
76) 1,4-Dichlorobenzene	16.487	146	50097	0.413	ppbv	86
77) 1,2-Dichlorobenzene	17.150	146	35966	0.292	ppbv #	49
78) Hexachloro-1,3-Butadiene	22.641	225	22759	0.269	ppbv #	18
79) Naphthalene	21.400	128	24213	0.190	ppbv #	83
80) Naphthalene,2-methyl-	24.387	142	9237	0.256	ppbv #	25
81) 1,2,4-Trichlorobenzene	21.149	180	9947	0.125	ppbv #	11

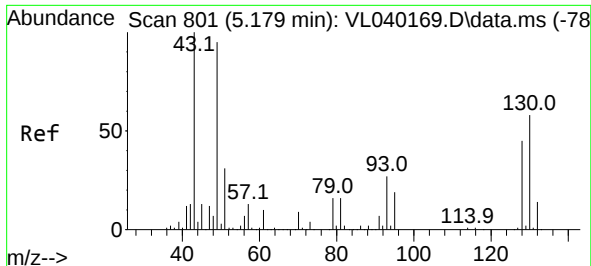
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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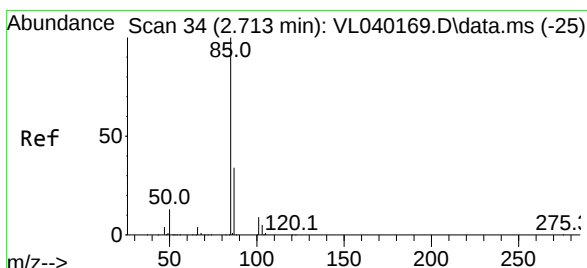
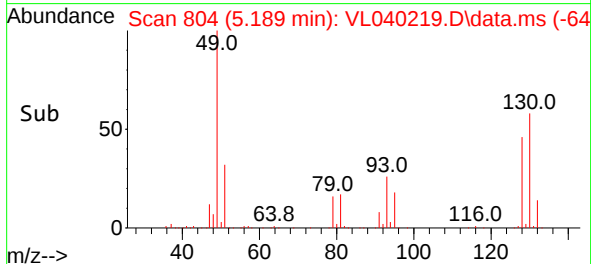
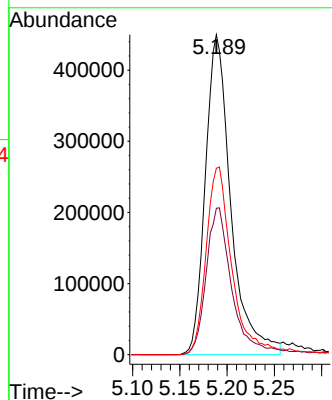
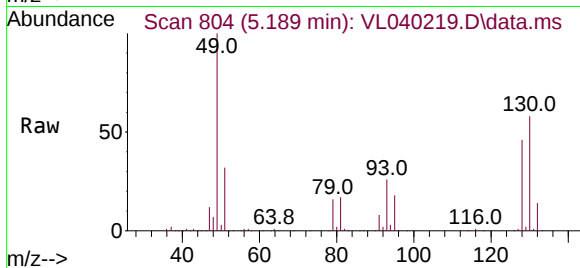




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040219.D
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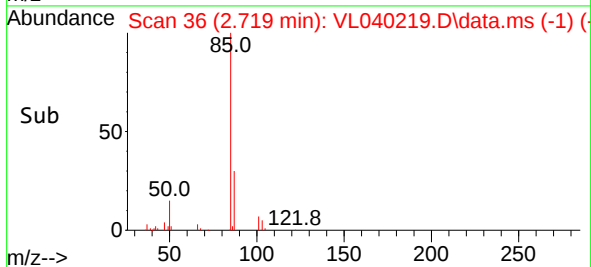
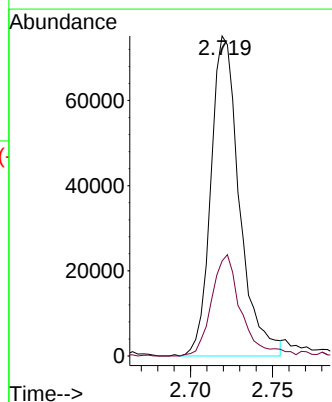
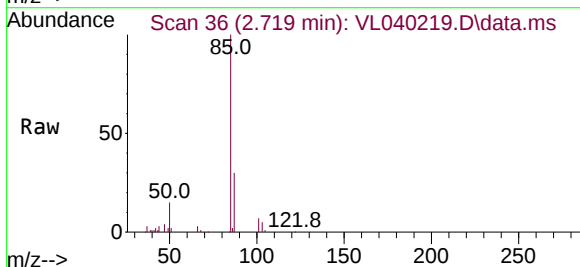
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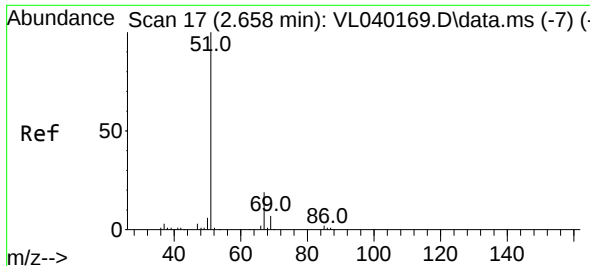
Tgt Ion: 49 Resp: 845418
 Ion Ratio Lower Upper
 49 100
 128 47.7 24.1 72.3
 130 61.9 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.578 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion: 85 Resp: 91030
 Ion Ratio Lower Upper
 85 100
 87 29.7 27.0 40.6

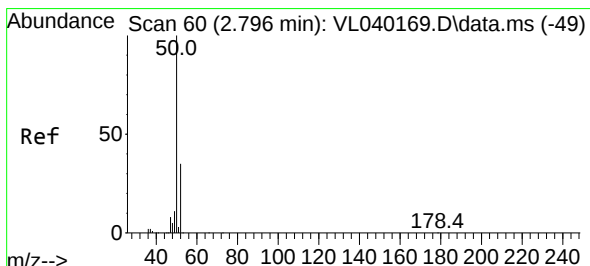
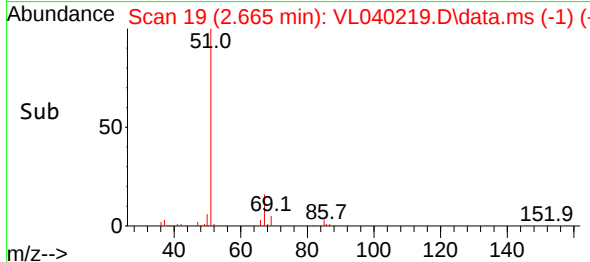
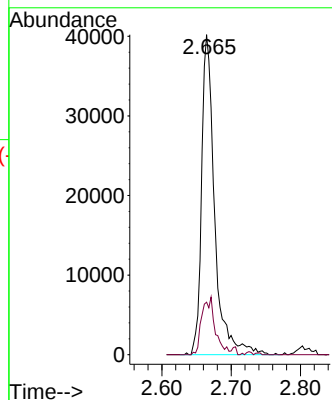
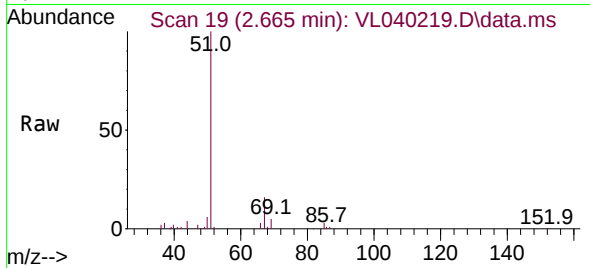




#3
Chlorodifluoromethane
Concen: 0.520 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

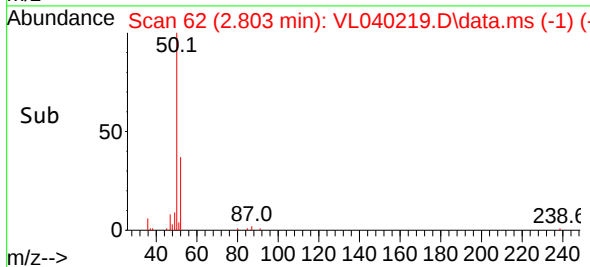
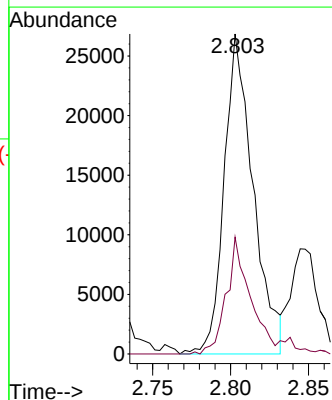
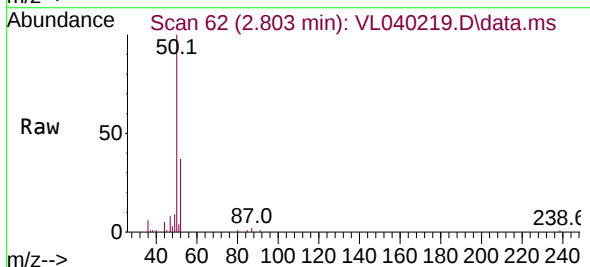
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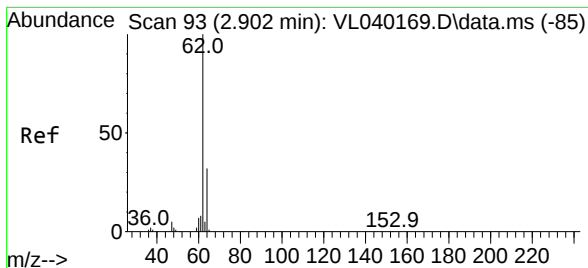
Tgt Ion: 51 Resp: 52547
Ion Ratio Lower Upper
51 100
67 20.0 15.4 23.2



#4
Chloromethane
Concen: 0.548 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 50 Resp: 34751
Ion Ratio Lower Upper
50 100
52 36.5 28.3 42.5

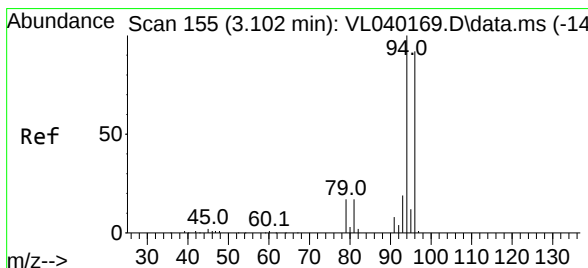
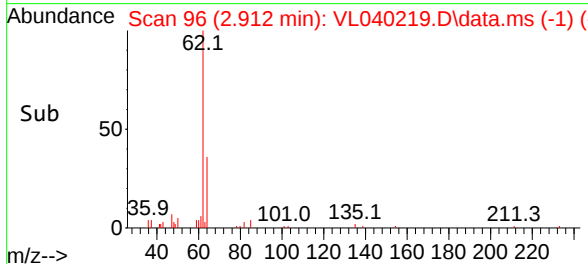
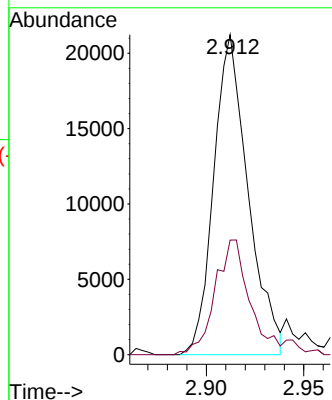
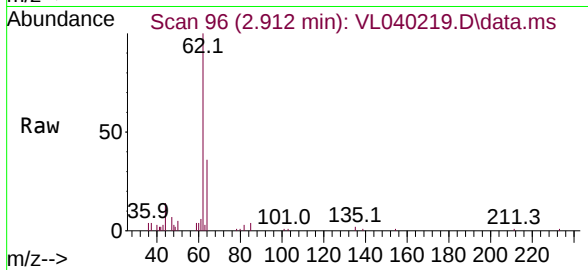




#5
 Vinyl Chloride
 Concen: 0.511 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

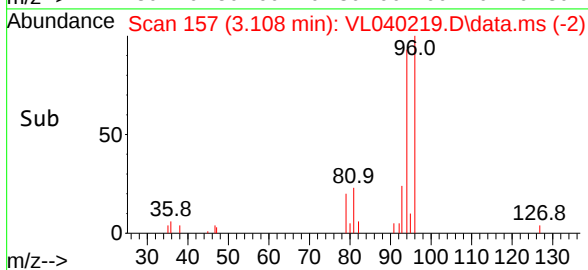
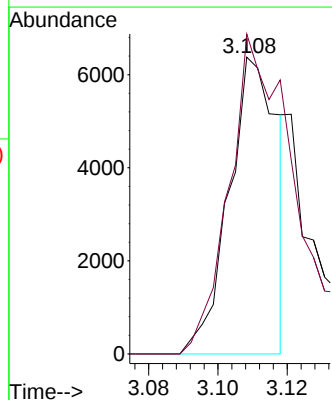
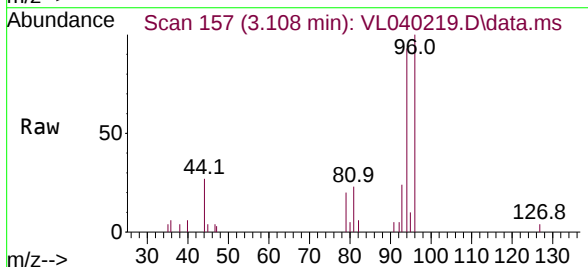
Instrument :
 MSVOA_L
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 MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 26061
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.6 38.4



#6
 Bromomethane
 Concen: 0.335 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion: 94 Resp: 6170
 Ion Ratio Lower Upper
 94 100
 96 107.8 73.4 110.2

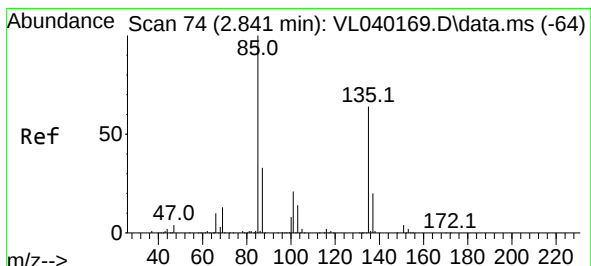
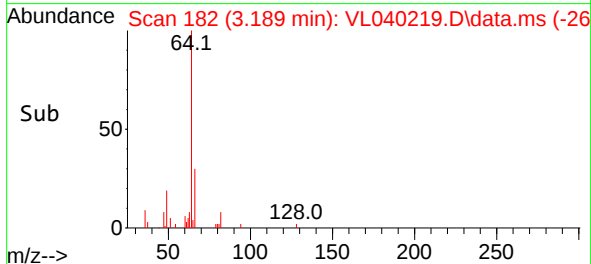
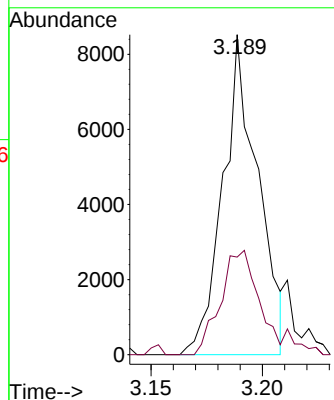
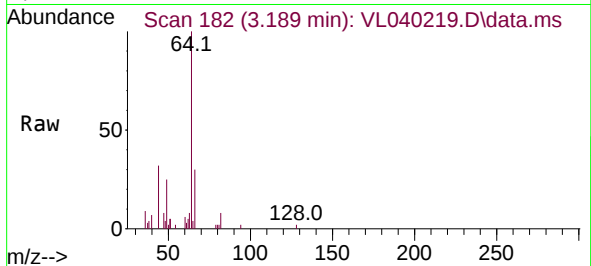




#7
Chloroethane
Concen: 0.459 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

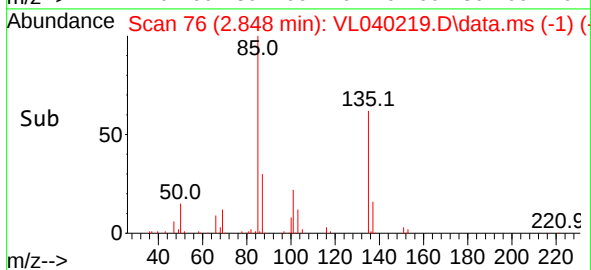
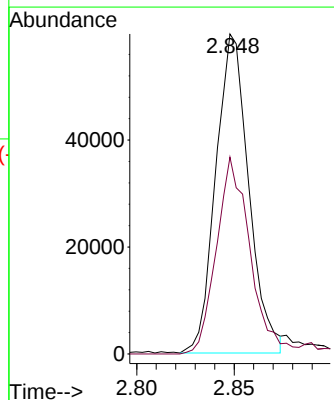
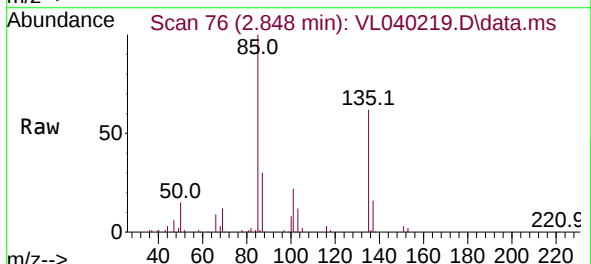
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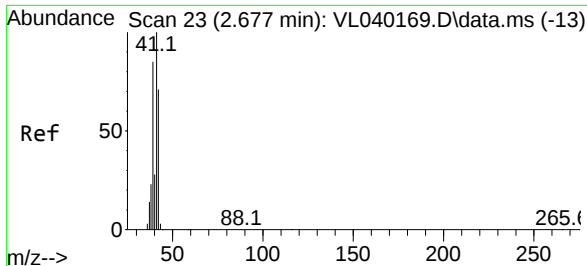
Tgt Ion: 64 Resp: 9285
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040219.D
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Tgt Ion: 85 Resp: 70160
Ion Ratio Lower Upper
85 100
135 66.3 51.5 77.3





#9

Propene

Concen: 0.566 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

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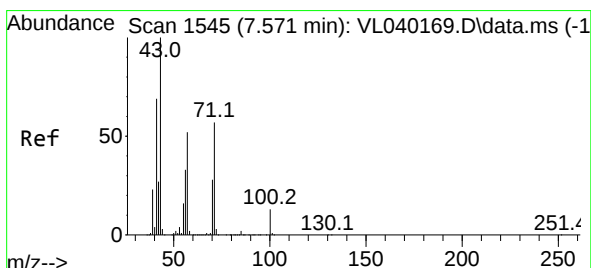
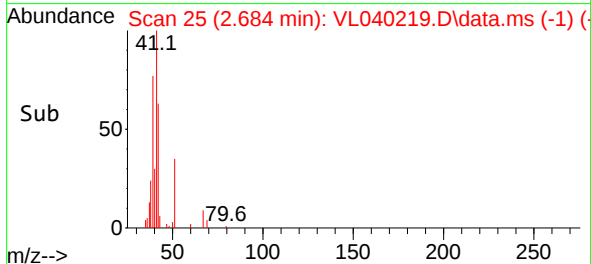
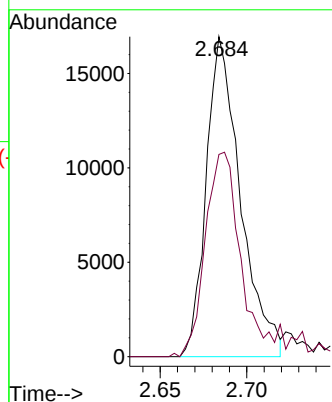
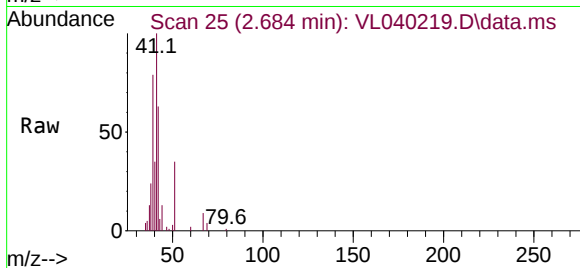
MDL-AIR-03-QT1-2023

Tgt Ion: 41 Resp: 23321

Ion Ratio Lower Upper

41 100

42 71.8 56.9 85.3



#10

Heptane

Concen: 0.453 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. -0.003 min

Lab File: VL040219.D

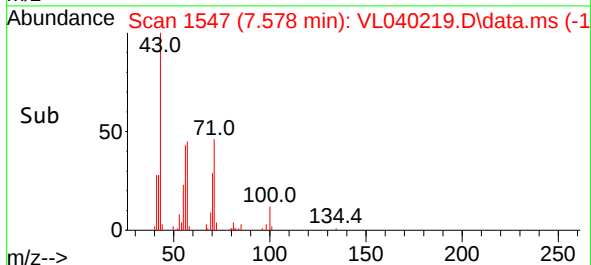
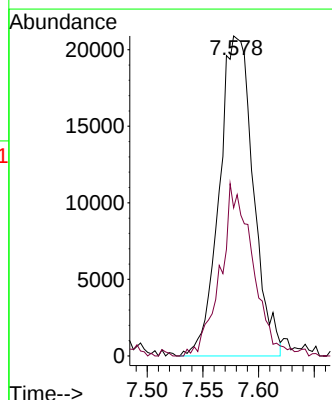
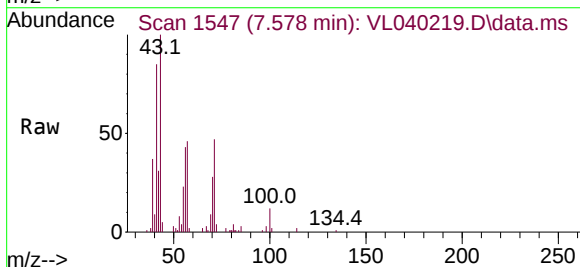
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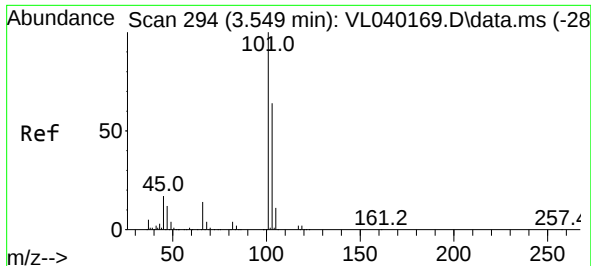
Tgt Ion: 43 Resp: 44408

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.2

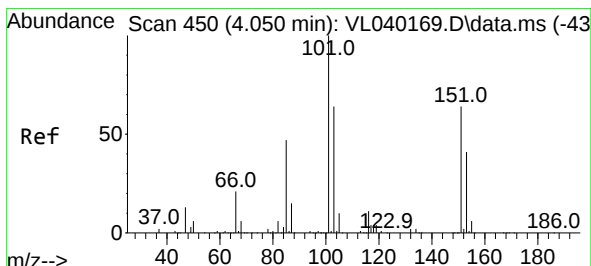
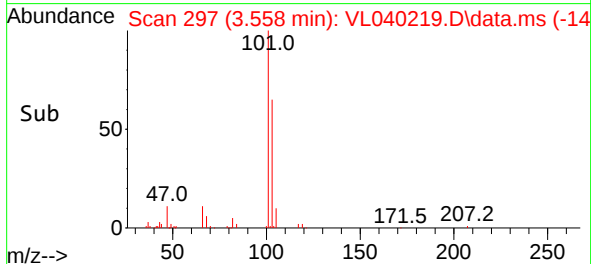
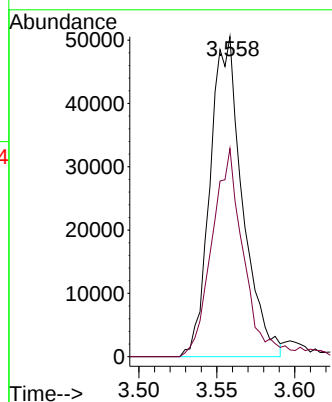
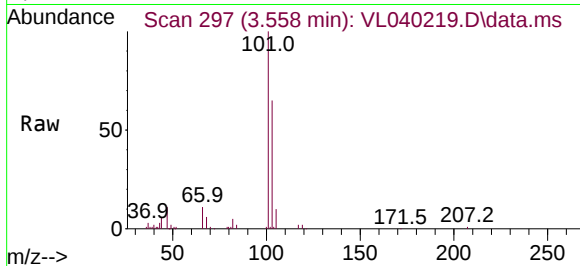




#11
Trichlorofluoromethane
Concen: 0.517 ppbv
RT: 3.558 min Scan# 294
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

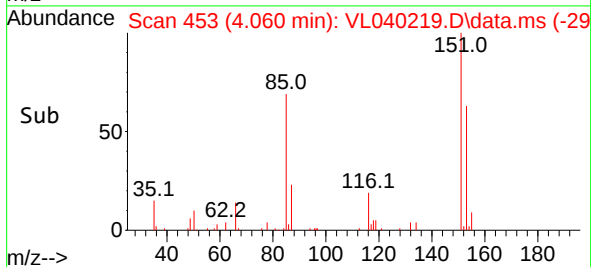
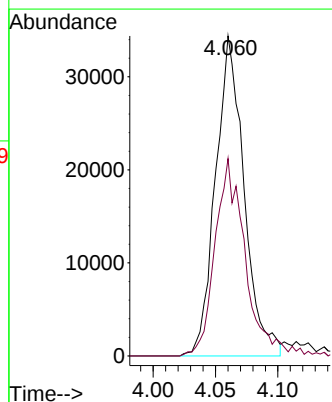
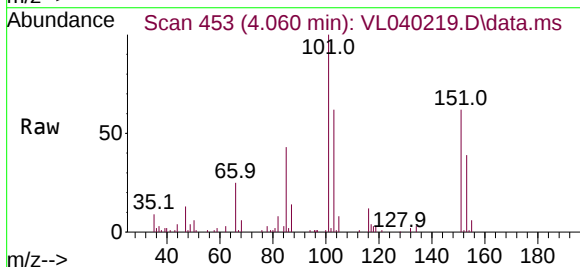
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

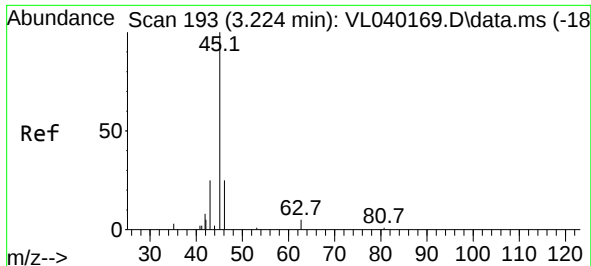
Tgt Ion:101 Resp: 73035
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.526 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:101 Resp: 54876
Ion Ratio Lower Upper
101 100
151 65.8 54.7 82.1





#13

Ethanol

Concen: 0.297 ppbv

RT: 3.247 min Scan# 200

Delta R.T. 0.013 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

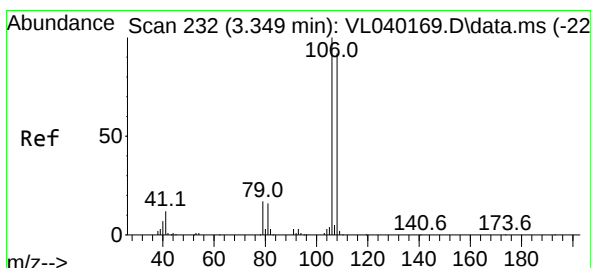
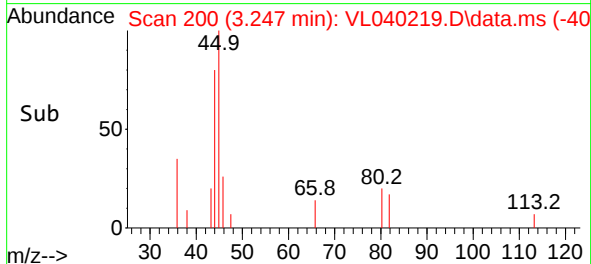
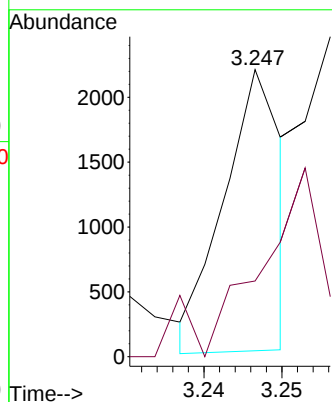
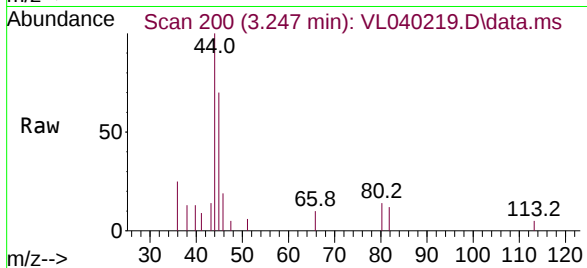
MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 1126

Ion Ratio Lower Upper

45 100

46 0.0 13.3 53.1#



#14

Bromoethene

Concen: 0.472 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

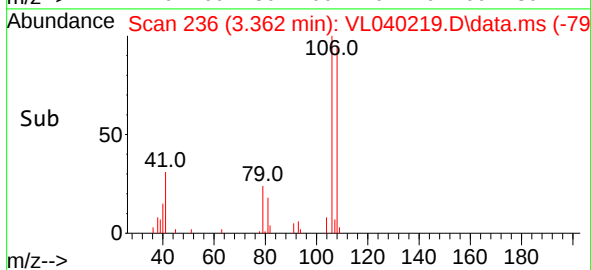
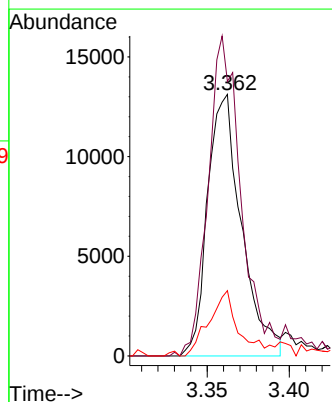
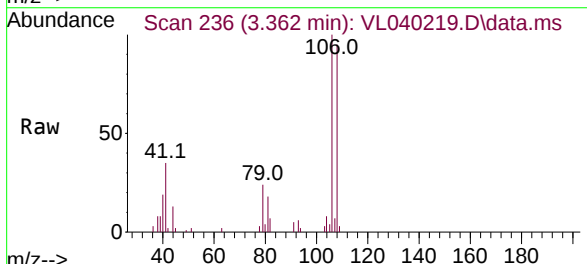
Tgt Ion: 108 Resp: 18891

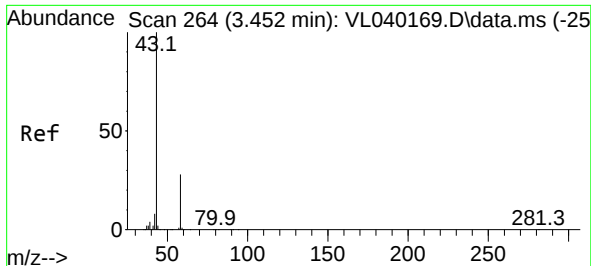
Ion Ratio Lower Upper

108 100

106 127.6 87.1 130.7

79 27.5 15.4 23.2#





#15

Acetone

Concen: 0.257 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

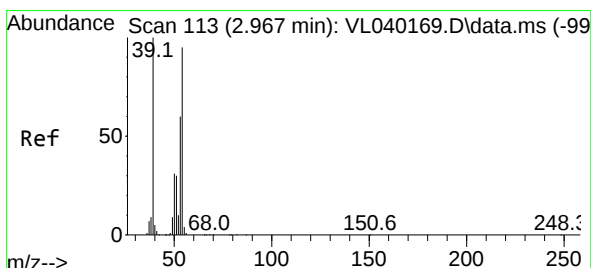
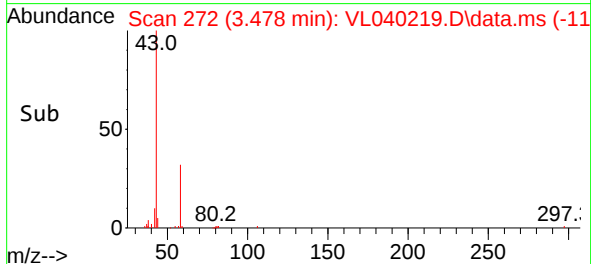
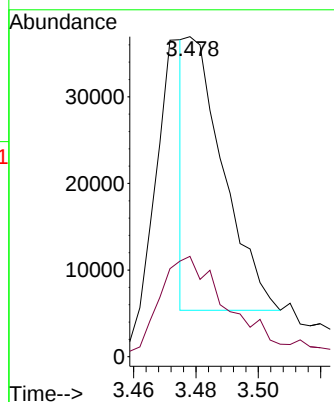
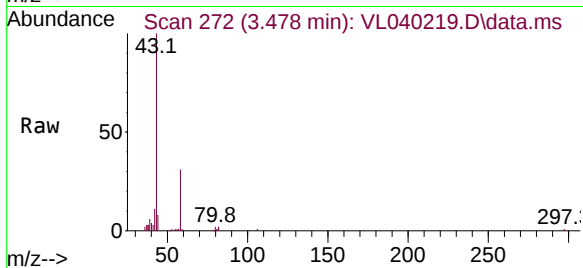
MDL-AIR-03-QT1-2023

Tgt Ion: 43 Resp: 26187

Ion Ratio Lower Upper

43 100

58 72.5 22.4 33.6#



#16

1,3-Butadiene

Concen: 0.512 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.003 min

Lab File: VL040219.D

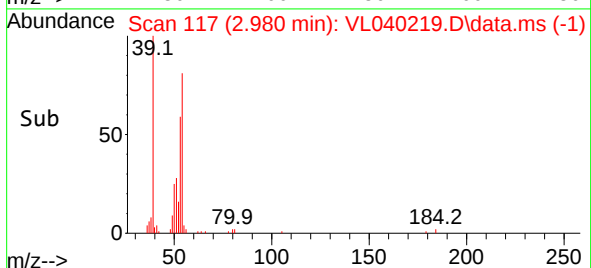
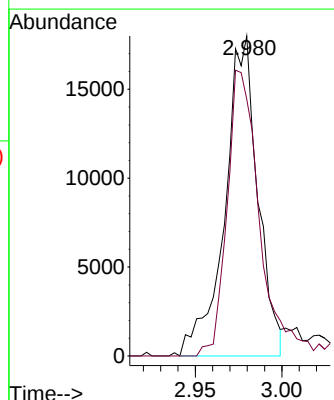
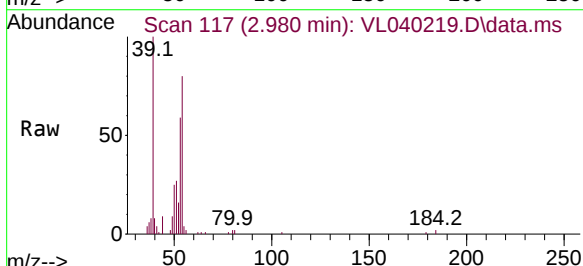
Acq: 23 Feb 2023 12:35

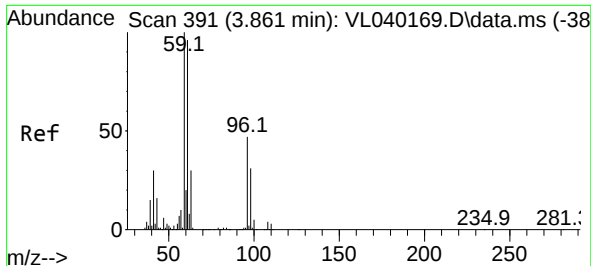
Tgt Ion: 39 Resp: 23791

Ion Ratio Lower Upper

39 100

54 90.1 66.7 100.1

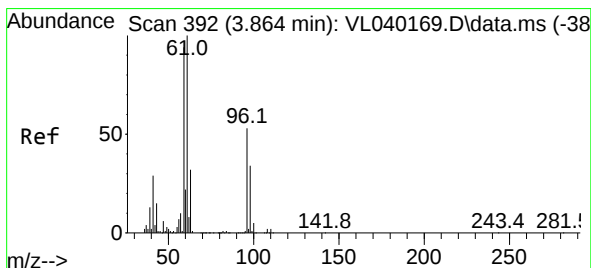
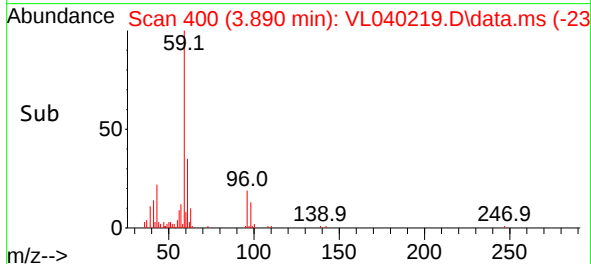
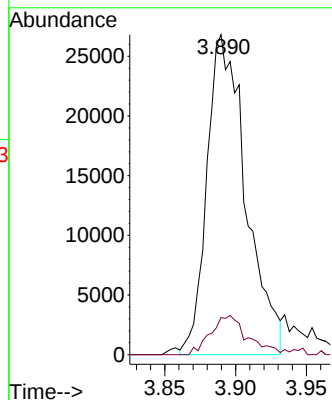
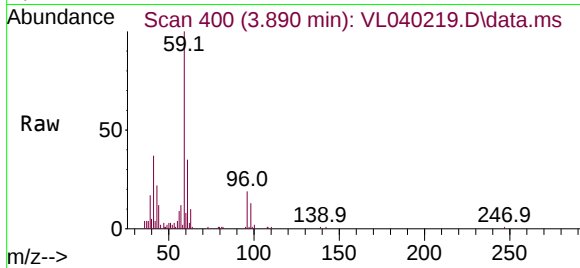




#17
tert-Butyl alcohol
Concen: 0.552 ppbv
RT: 3.890 min Scan# 40
Delta R.T. 0.019 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

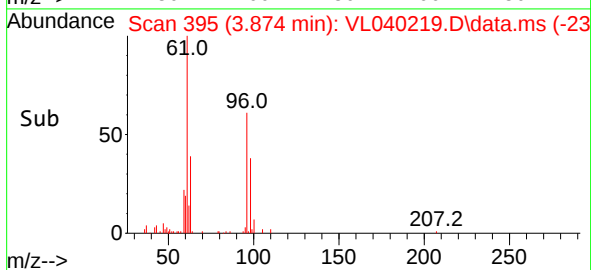
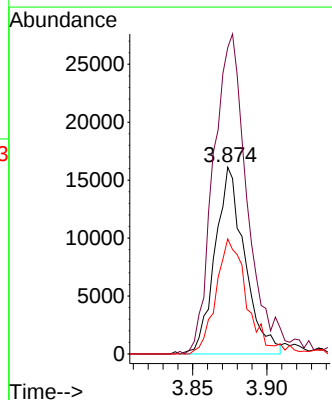
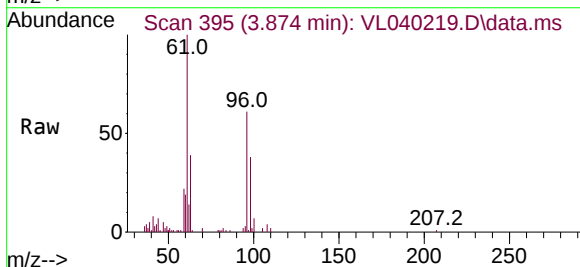
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

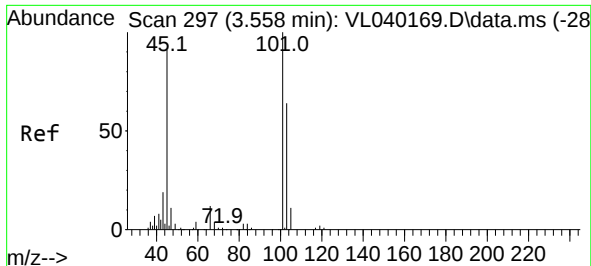
Tgt Ion: 59 Resp: 51216
Ion Ratio Lower Upper
59 100
57 12.4 8.5 12.7



#18
1,1-Dichloroethene
Concen: 0.493 ppbv
RT: 3.874 min Scan# 395
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 96 Resp: 22343
Ion Ratio Lower Upper
96 100
61 162.7 149.6 224.4
98 61.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.578 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.023 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

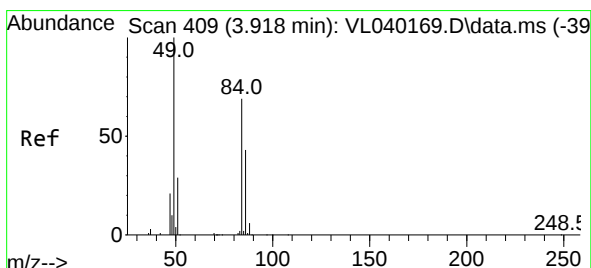
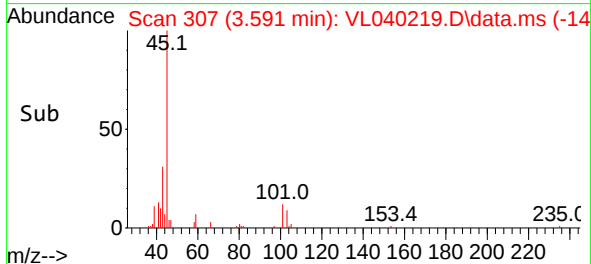
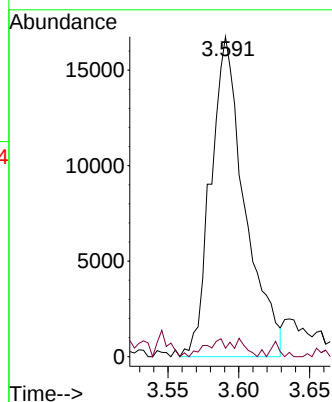
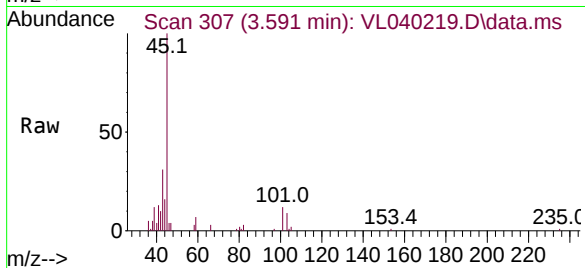
MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 27979

Ion Ratio Lower Upper

45 100

58 5.3 2.6 3.8#



#20

Methylene Chloride

Concen: 0.675 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 84 Resp: 35770

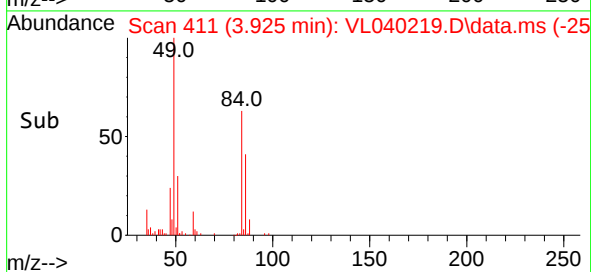
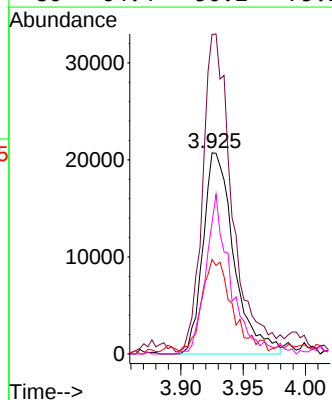
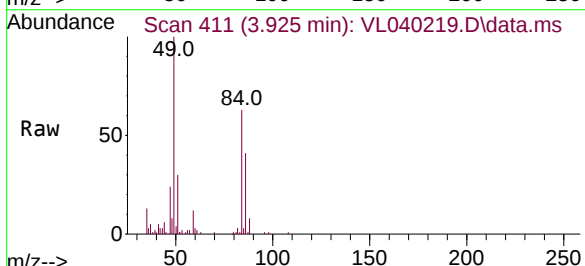
Ion Ratio Lower Upper

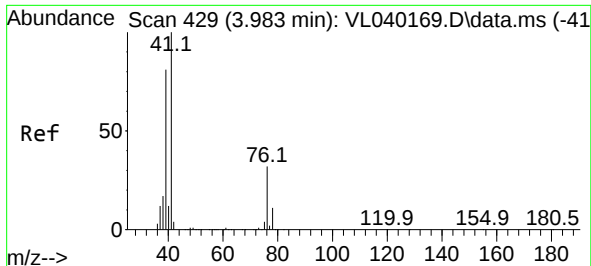
84 100

49 157.3 115.5 173.3

51 45.5 33.1 49.7

86 64.4 50.2 75.2

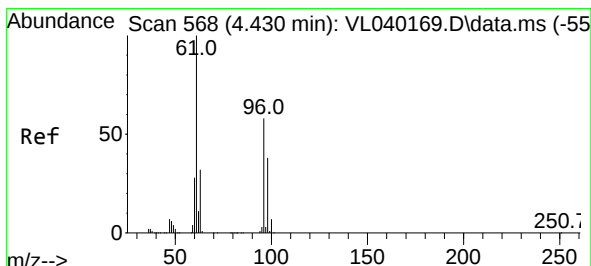
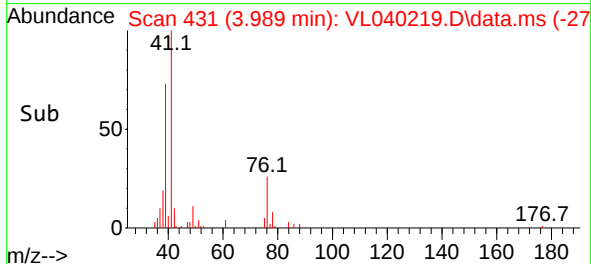
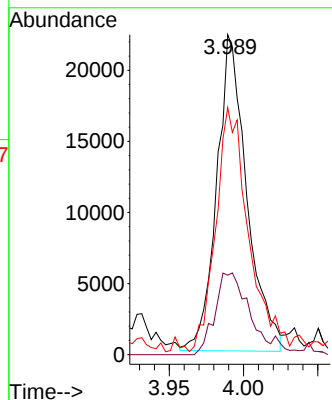
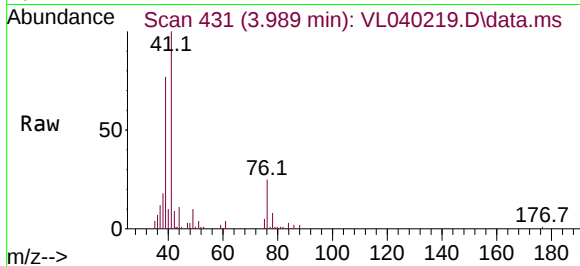




#21
 Allyl Chloride
 Concen: 0.504 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

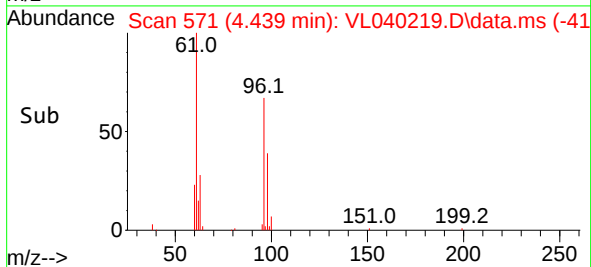
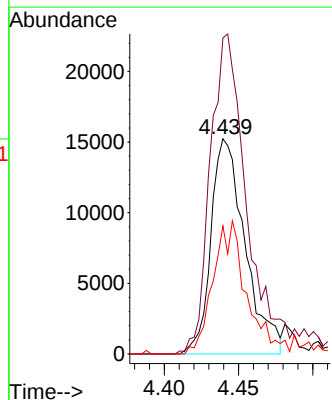
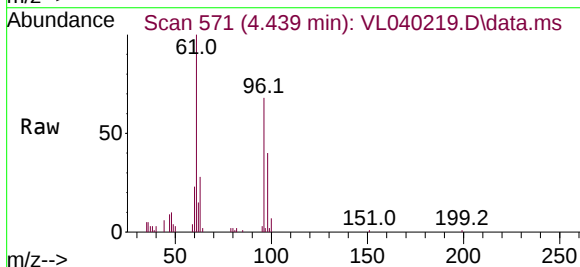
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

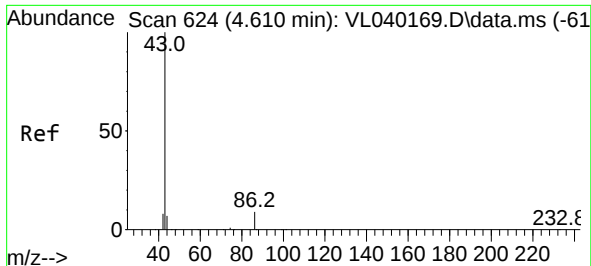
Tgt Ion:	41	Resp:	31460
Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.5	38.3
39	94.2	64.5	96.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.520 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion:	96	Resp:	24390
Ion	Ratio	Lower	Upper
96	100		
61	145.5	137.5	206.3
98	59.4	52.8	79.2

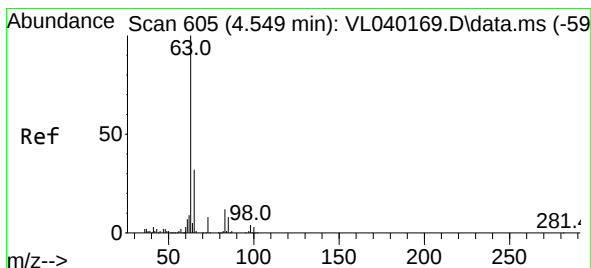
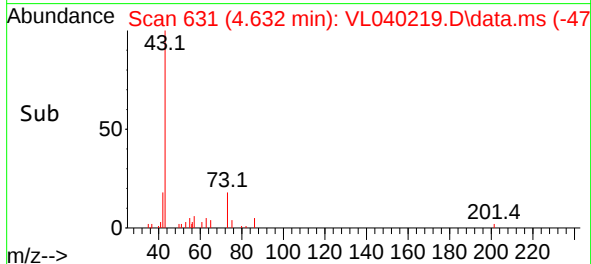
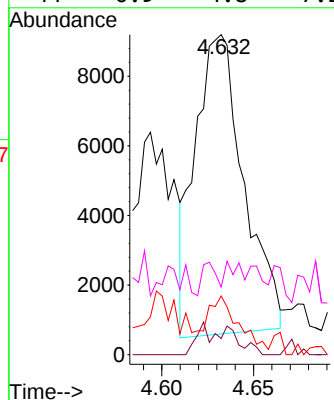
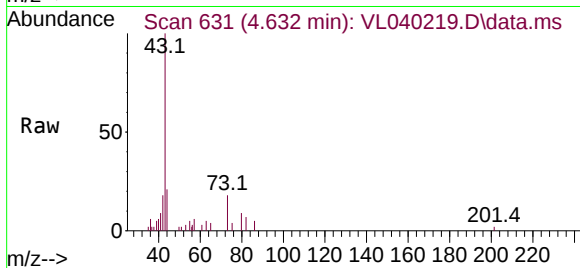




#23
 Vinyl Acetate
 Concen: 0.513 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

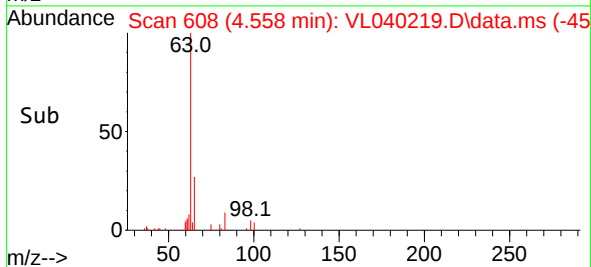
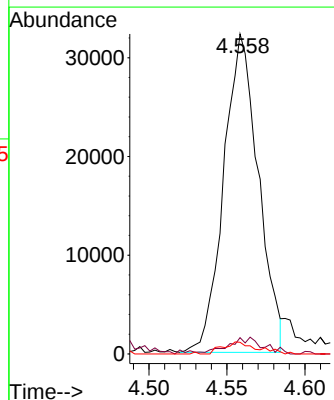
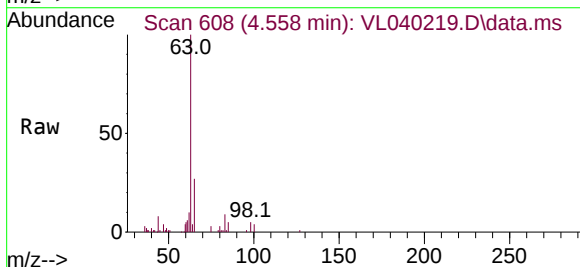
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

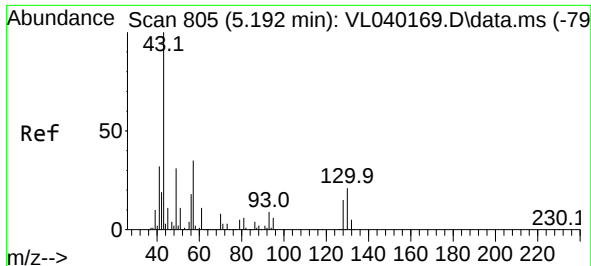
Tgt Ion:	43	Resp:	15837
Ion	Ratio	Lower	Upper
43	100		
86	5.9	5.6	8.4
42	13.8	7.6	11.4#
44	0.9	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.516 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion:	63	Resp:	49790
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	3.7	1.4	4.0

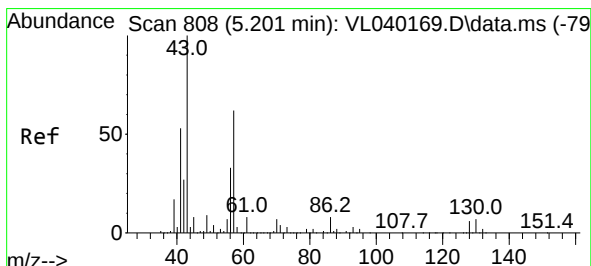
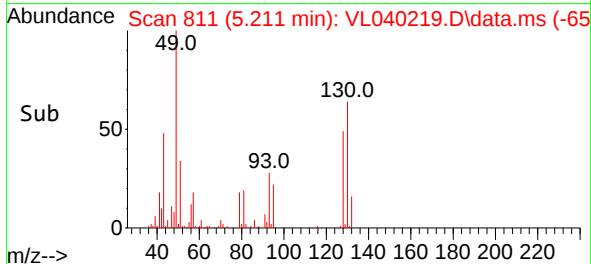
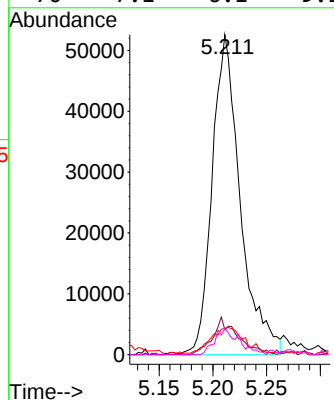
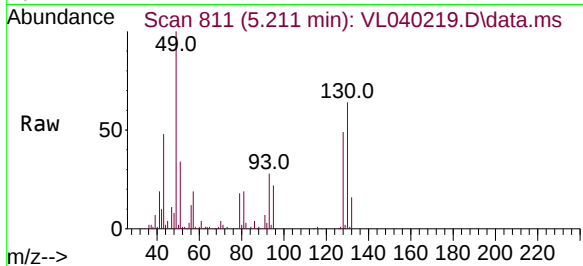




#25
Ethyl Acetate
Concen: 0.505 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

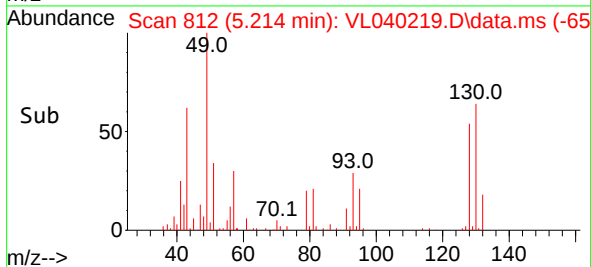
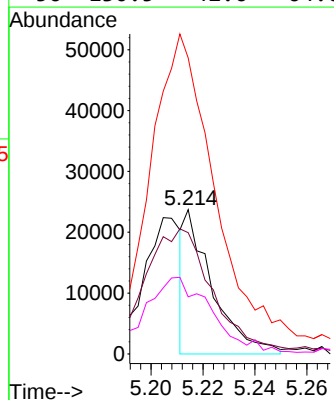
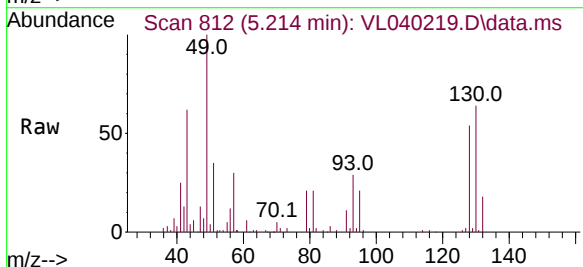
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

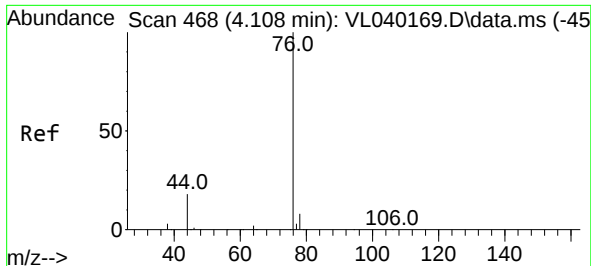
Tgt Ion:	43	Resp:	95560
Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.3	12.5
61	10.6	8.4	12.6
70	7.1	6.1	9.1



#26
Hexane
Concen: 0.217 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:	57	Resp:	17616
Ion	Ratio	Lower	Upper
57	100		
41	227.6	74.3	111.5#
43	558.4	193.0	289.4#
56	130.5	42.6	64.0#





#27

Carbon Disulfide

Concen: 0.439 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

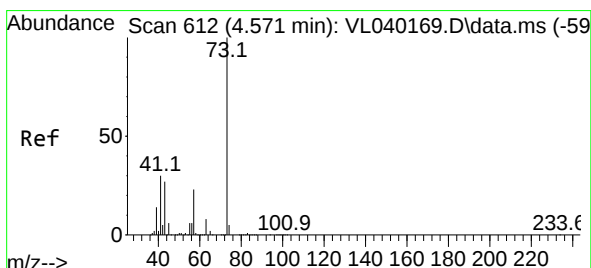
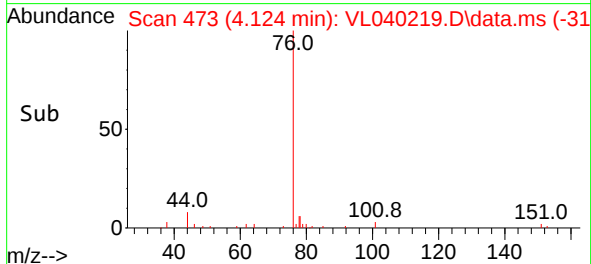
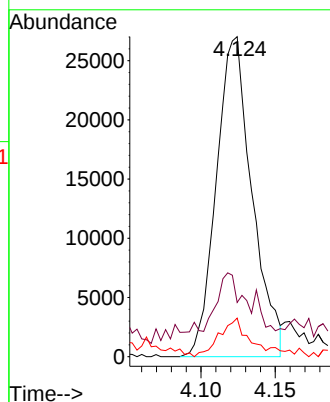
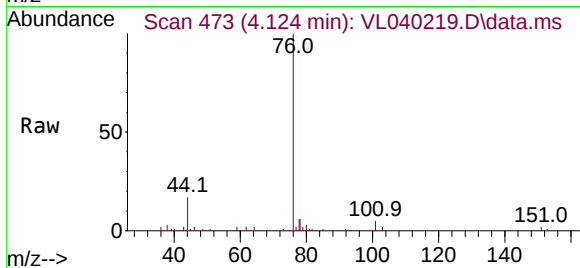
Tgt Ion: 76 Resp: 45225

Ion Ratio Lower Upper

76 100

44 25.3 15.3 22.9#

78 12.7 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.236 ppbv

RT: 4.591 min Scan# 618

Delta R.T. 0.010 min

Lab File: VL040219.D

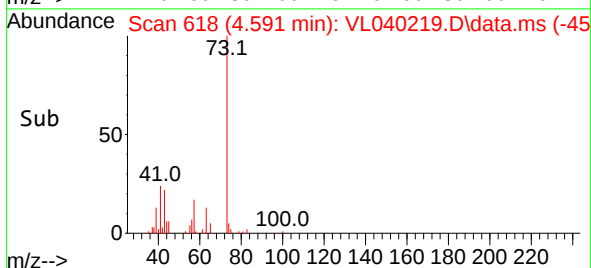
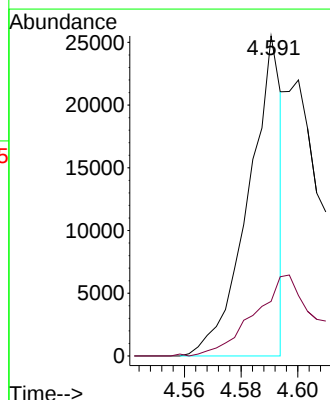
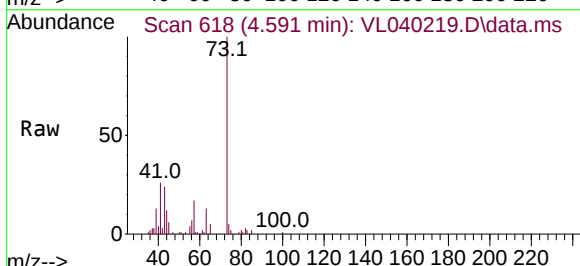
Acq: 23 Feb 2023 12:35

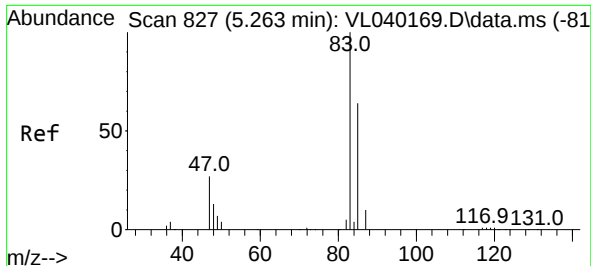
Tgt Ion: 73 Resp: 20545

Ion Ratio Lower Upper

73 100

57 0.0 18.8 28.2#





#29

Chloroform

Concen: 0.491 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

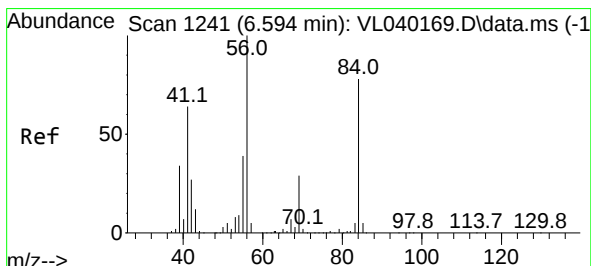
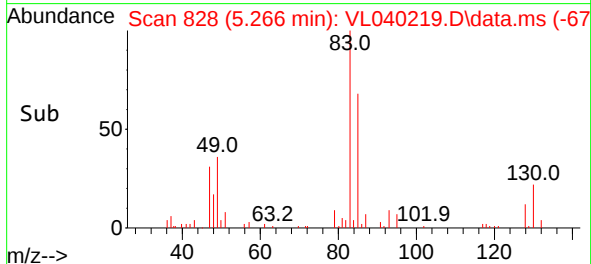
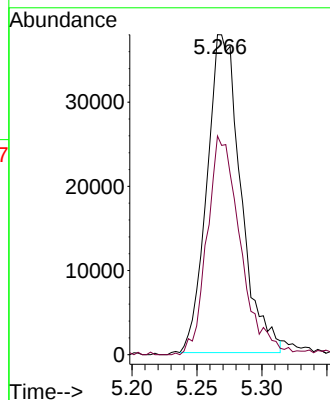
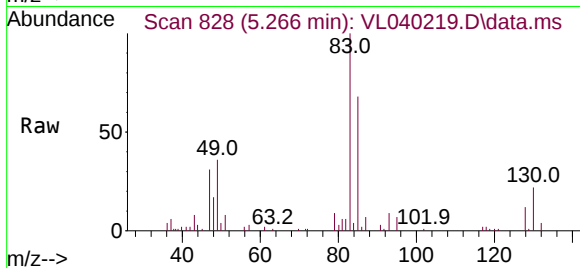
MDL-AIR-03-QT1-2023

Tgt Ion: 83 Resp: 68441

Ion Ratio Lower Upper

83 100

85 68.8 51.5 77.3



#30

Cyclohexane

Concen: 0.266 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. 0.007 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

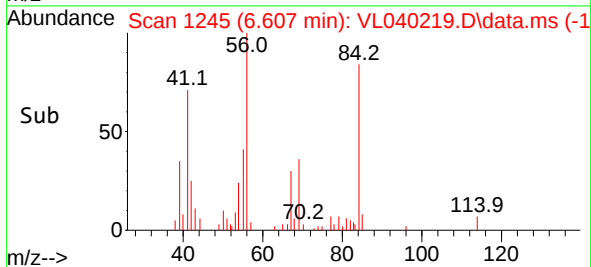
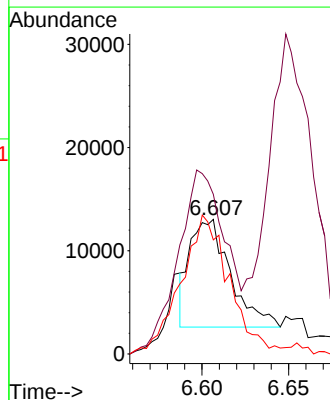
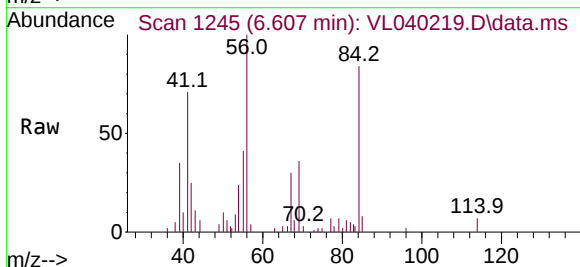
Tgt Ion: 84 Resp: 16936

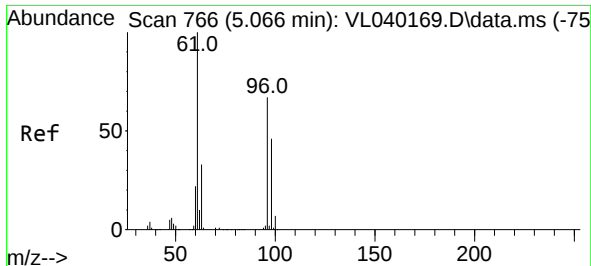
Ion Ratio Lower Upper

84 100

56 219.5 109.9 164.9#

41 159.0 67.8 101.6#

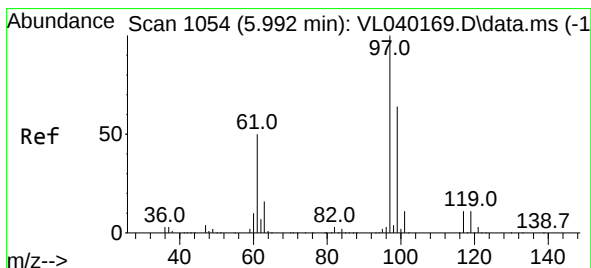
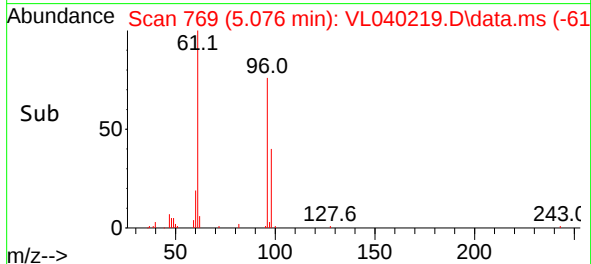
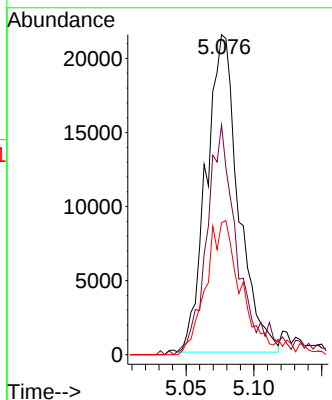
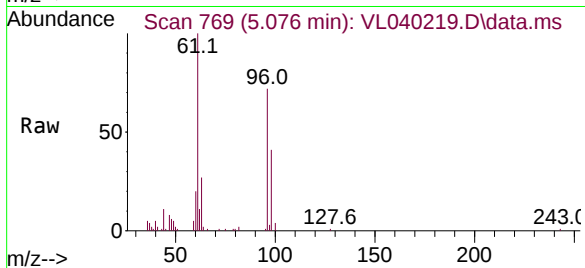




#31
 cis-1,2-Dichloroethene
 Concen: 0.460 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

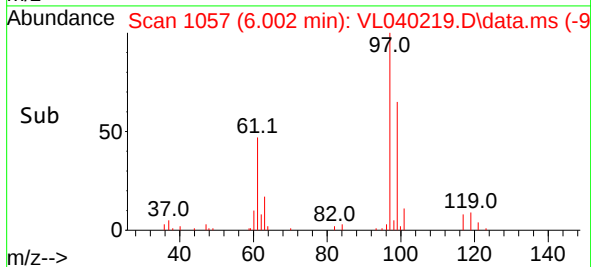
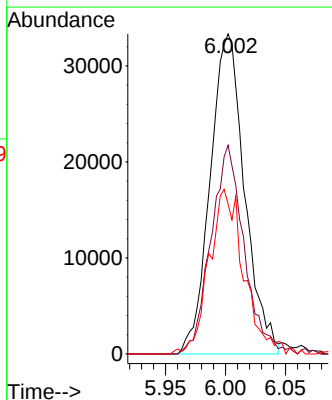
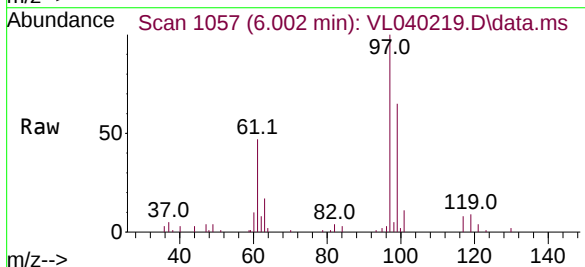
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

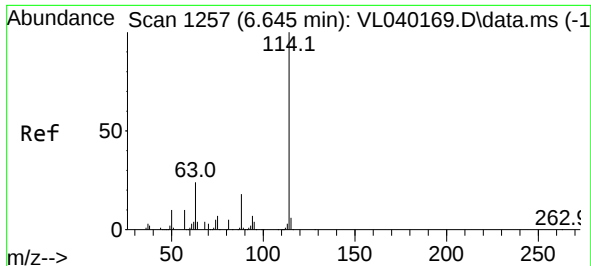
Tgt Ion: 61 Resp: 35474
 Ion Ratio Lower Upper
 61 100
 96 71.2 53.7 80.5
 98 41.5 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 0.508 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion: 97 Resp: 66569
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 52.0 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

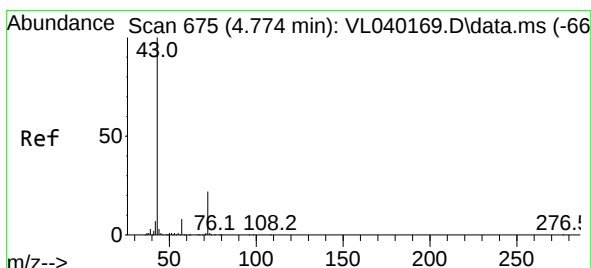
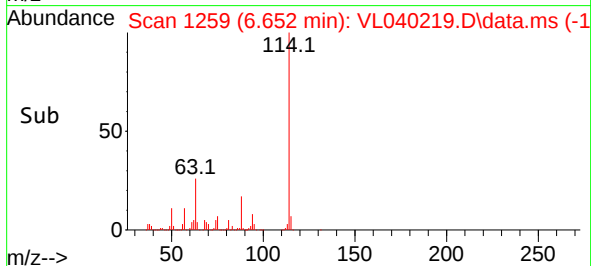
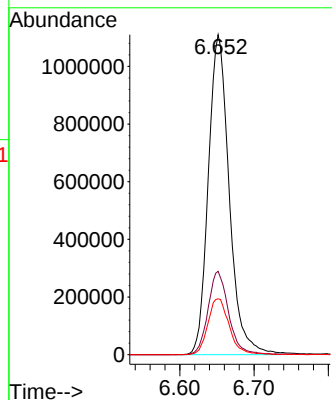
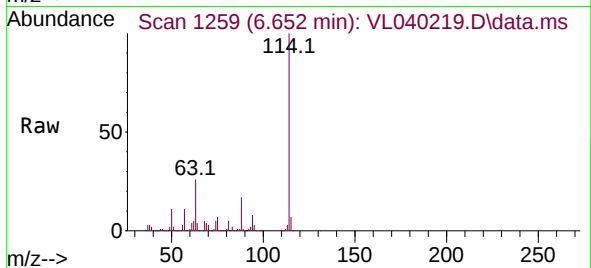
Tgt Ion:114 Resp: 2170017

Ion Ratio Lower Upper

114 100

63 25.9 20.4 30.6

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.469 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.019 min

Lab File: VL040219.D

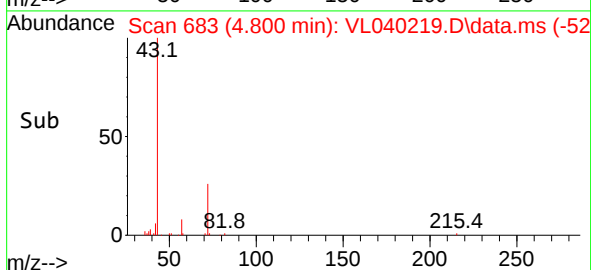
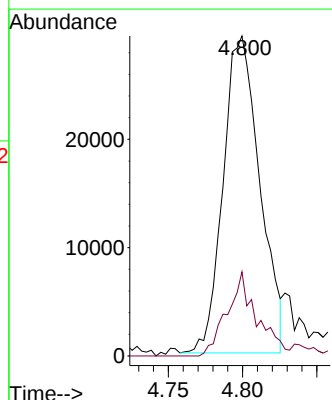
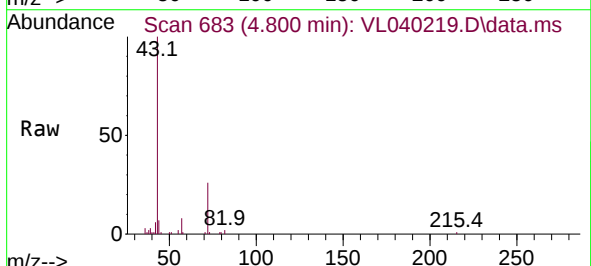
Acq: 23 Feb 2023 12:35

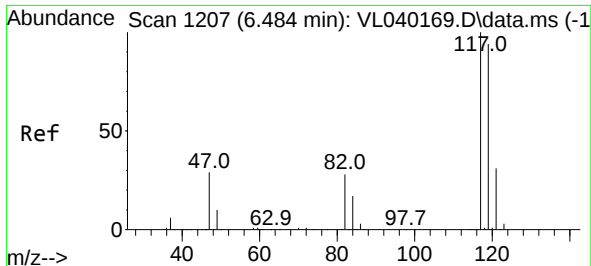
Tgt Ion: 43 Resp: 50257

Ion Ratio Lower Upper

43 100

72 24.6 17.8 26.8

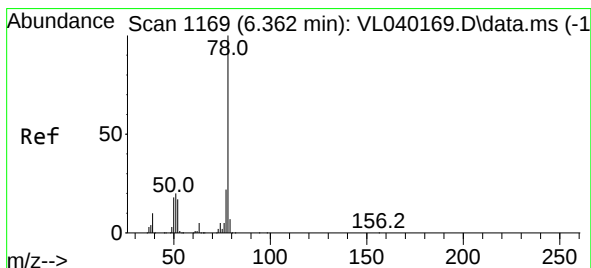
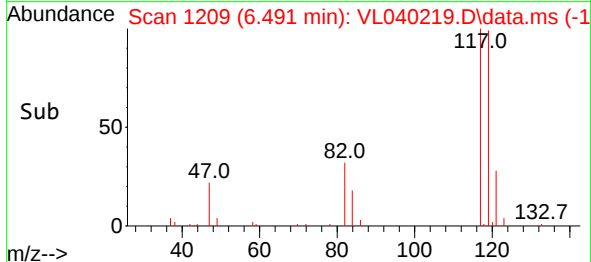
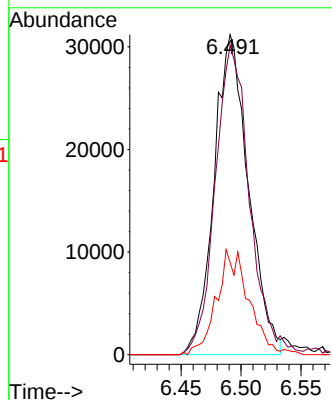
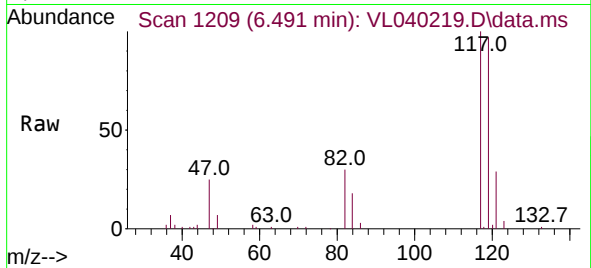




#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

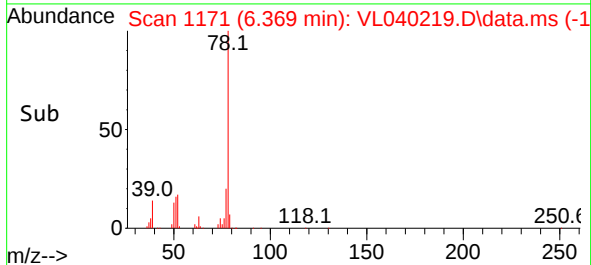
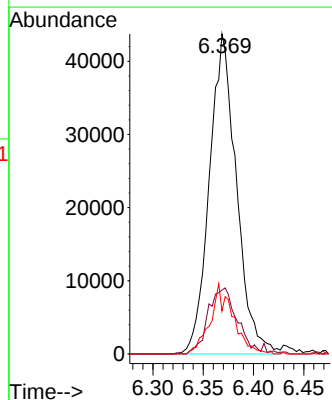
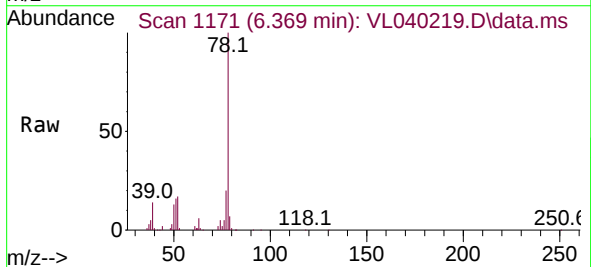
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

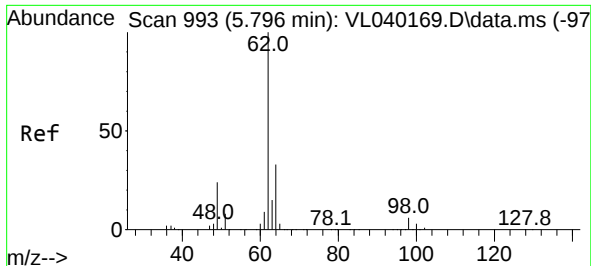
Tgt Ion:117 Resp: 62262
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.6
121 28.8 25.0 37.4



#36
Benzene
Concen: 0.485 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 78 Resp: 81933
Ion Ratio Lower Upper
78 100
77 19.5 17.5 26.3
50 13.5 14.6 22.0#





#37

1,2-Dichloroethane

Concen: 0.491 ppbv

RT: 5.806 min Scan# 996

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

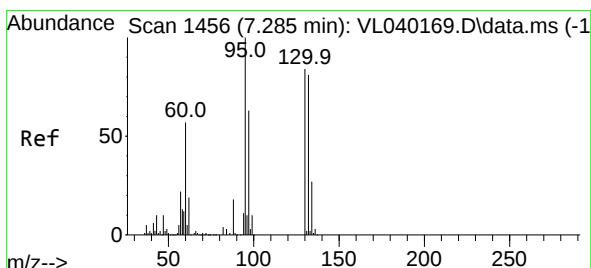
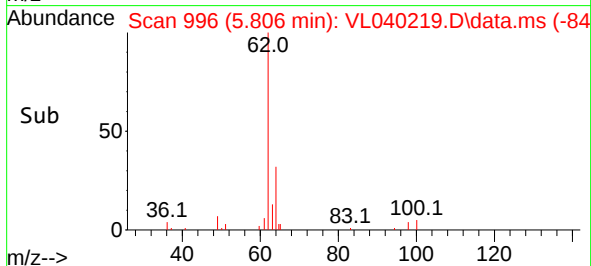
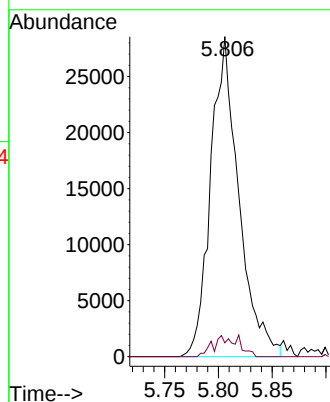
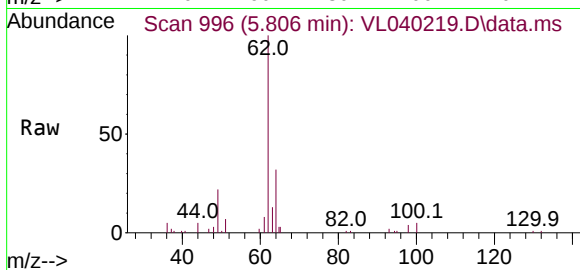
MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 51902

Ion Ratio Lower Upper

62 100

98 5.9 4.7 7.1



#38

Trichloroethene

Concen: 0.455 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion:130 Resp: 42332

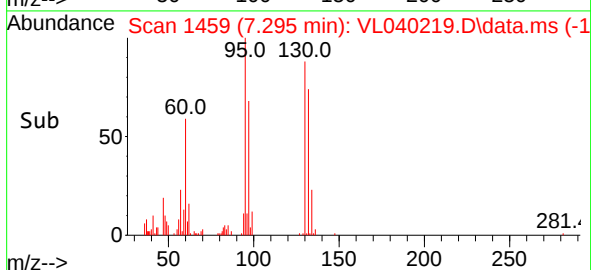
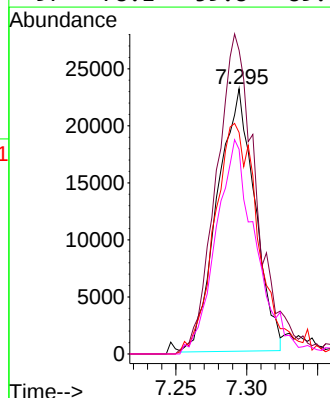
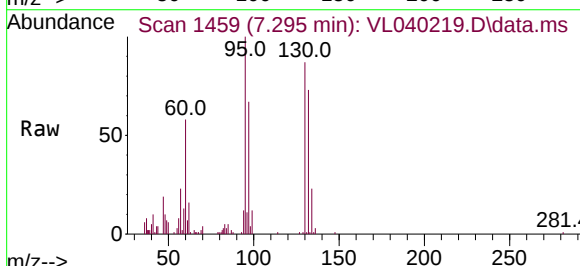
Ion Ratio Lower Upper

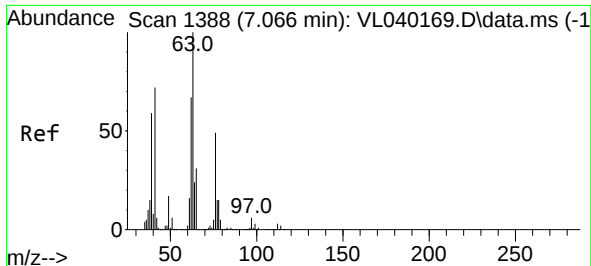
130 100

95 114.4 94.7 142.1

132 83.8 76.4 114.6

97 78.1 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.449 ppbv

RT: 7.076 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

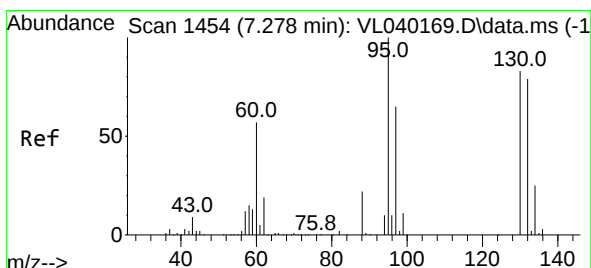
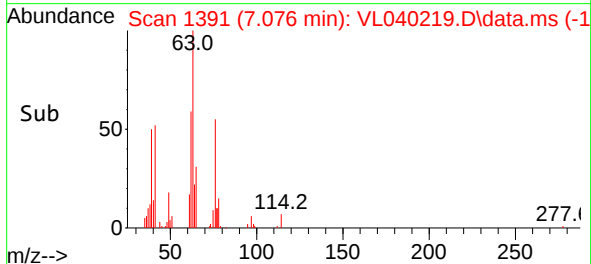
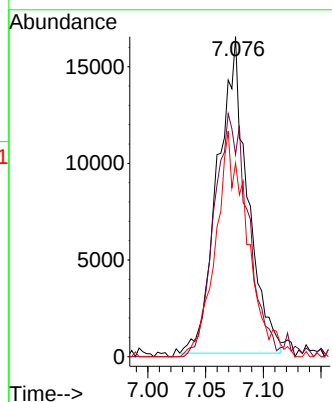
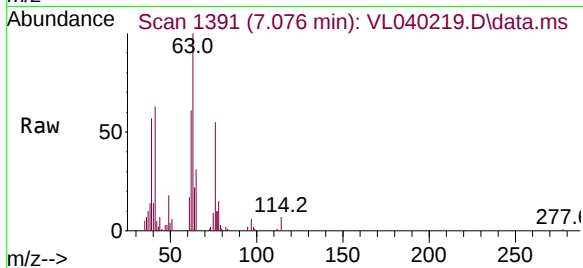
Tgt Ion: 63 Resp: 29526

Ion Ratio Lower Upper

63 100

41 63.8 57.6 86.4

62 61.2 54.0 81.0



#40

1,4-Dioxane

Concen: 0.335 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.039 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Tgt Ion: 88 Resp: 8805

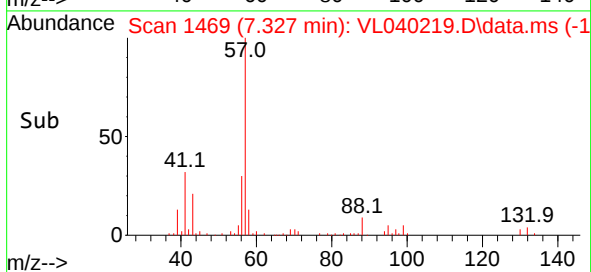
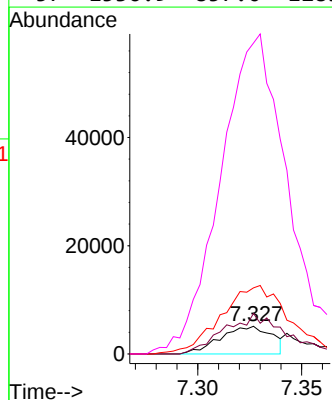
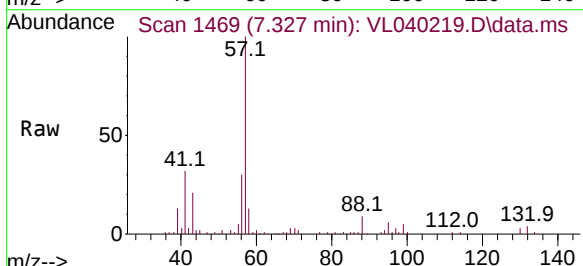
Ion Ratio Lower Upper

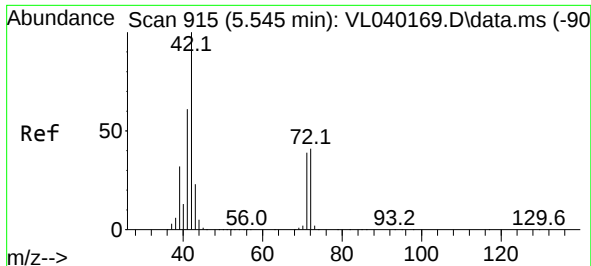
88 100

58 186.7 97.4 146.0#

43 341.2 193.5 290.3#

57 1536.9 857.0 1285.6#

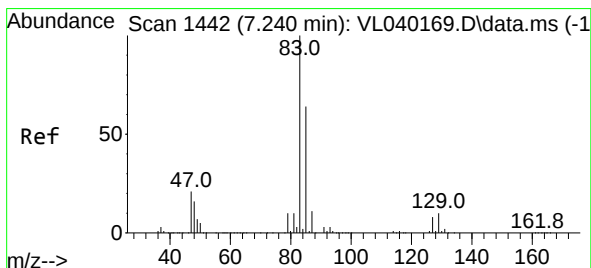
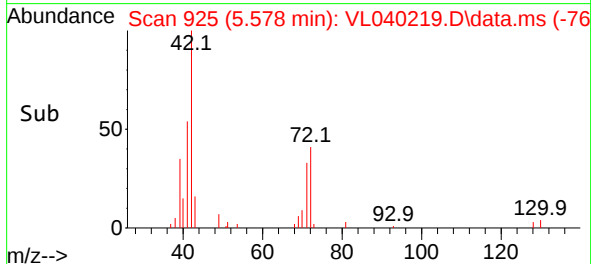
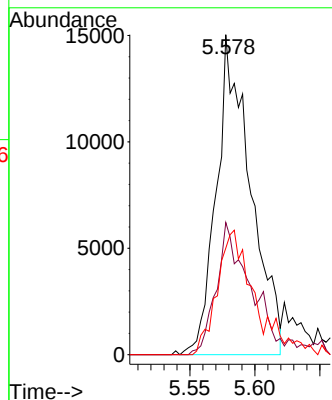
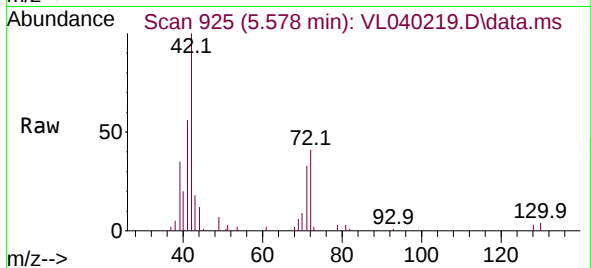




#41
Tetrahydrofuran
Concen: 0.442 ppbv
RT: 5.578 min Scan# 915
Delta R.T. 0.023 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

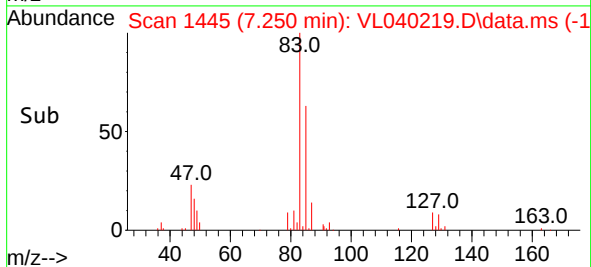
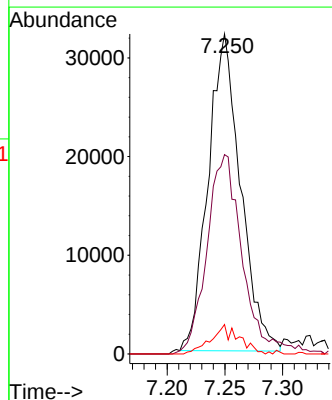
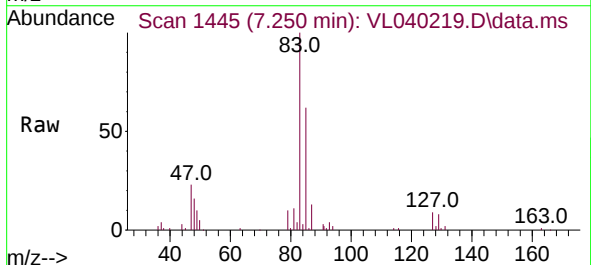
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

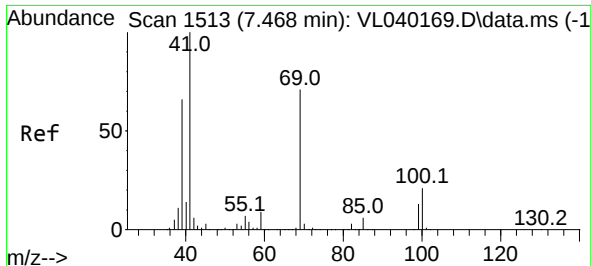
Tgt Ion: 42 Resp: 27423
Ion Ratio Lower Upper
42 100
72 42.1 33.0 49.4
71 43.3 31.4 47.2



#42
Bromodichloromethane
Concen: 0.431 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 83 Resp: 62772
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3
127 9.3 6.2 9.2#





#43

Methyl Methacrylate

Concen: 0.355 ppbv

RT: 7.481 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

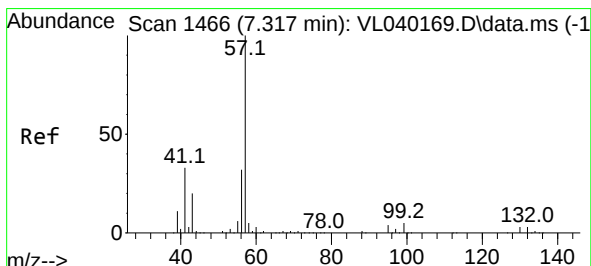
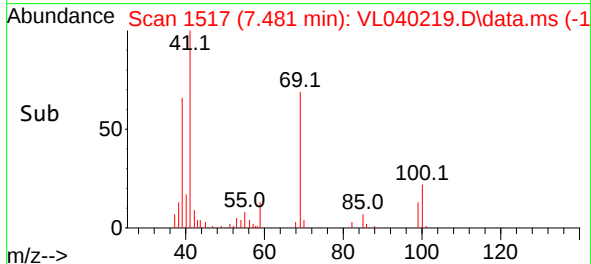
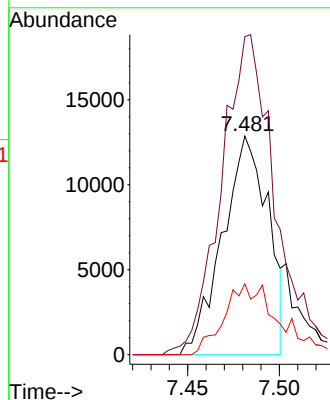
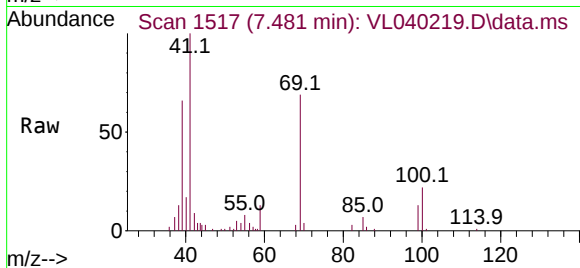
Tgt Ion: 69 Resp: 22204

Ion Ratio Lower Upper

69 100

41 173.9 116.6 174.8

100 39.8 25.6 38.4#



#44

2,2,4-Trimethylpentane

Concen: 0.468 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

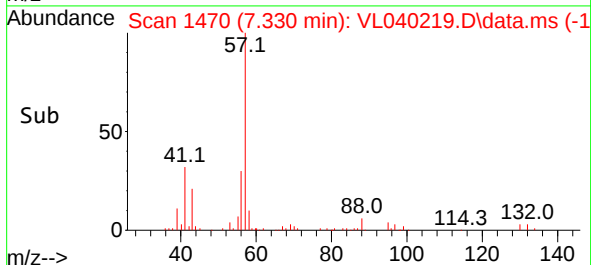
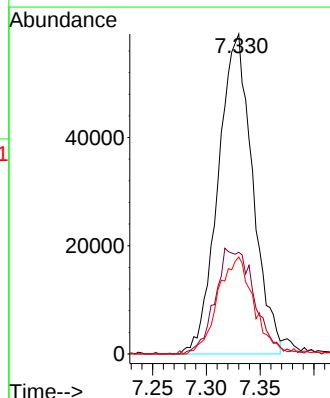
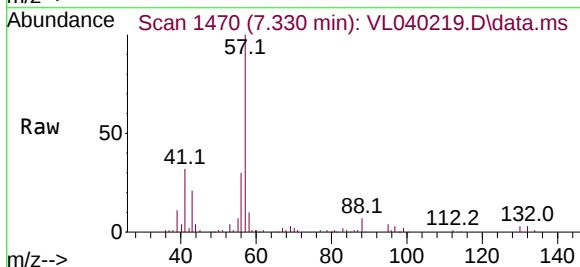
Tgt Ion: 57 Resp: 132069

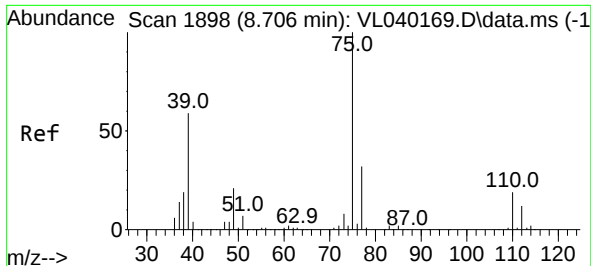
Ion Ratio Lower Upper

57 100

41 37.6 26.2 39.4

56 32.1 24.9 37.3

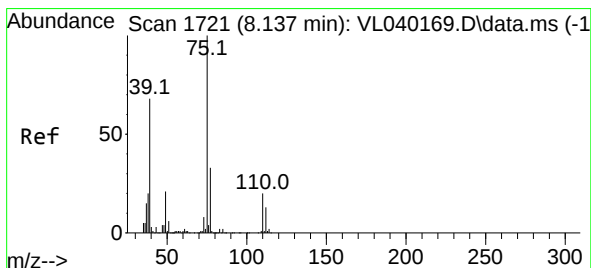
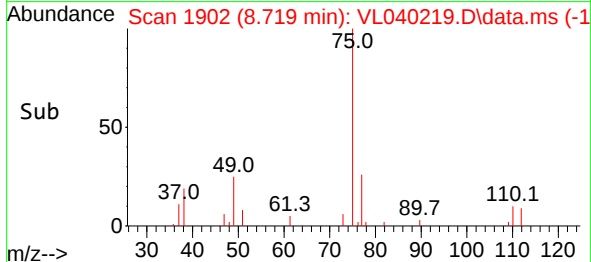
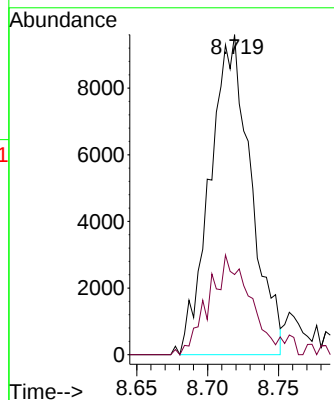
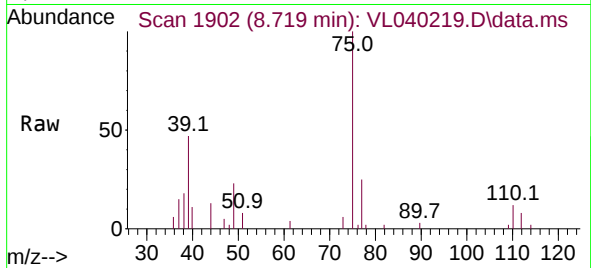




#45
 t-1,3-Dichloropropene
 Concen: 0.347 ppbv
 RT: 8.719 min Scan# 1898
 Delta R.T. 0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

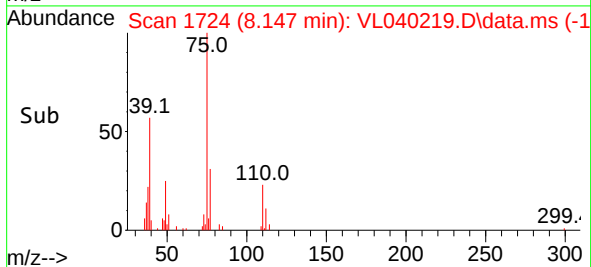
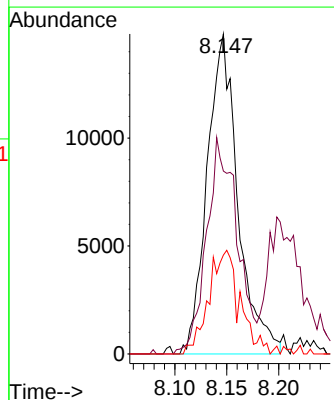
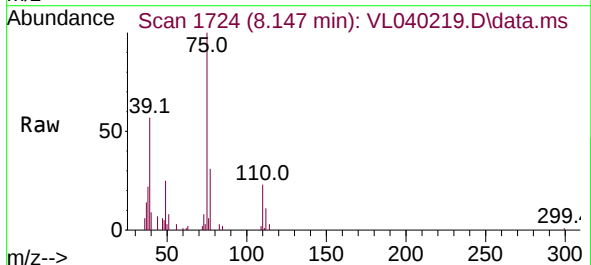
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

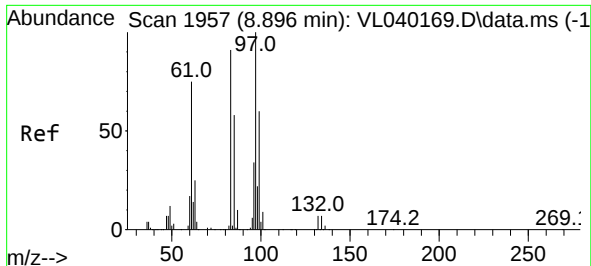
Tgt Ion: 75 Resp: 19261
 Ion Ratio Lower Upper
 75 100
 77 25.0 25.7 38.5#



#46
 cis-1,3-Dichloropropene
 Concen: 0.395 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion: 75 Resp: 30487
 Ion Ratio Lower Upper
 75 100
 39 55.6 54.2 81.2
 77 30.9 26.0 39.0

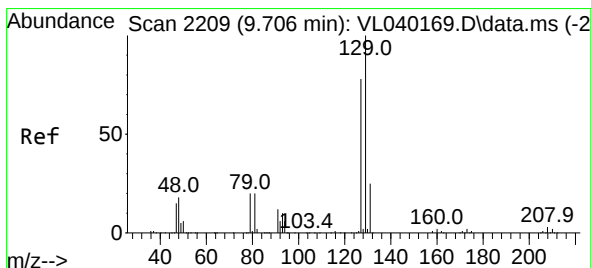
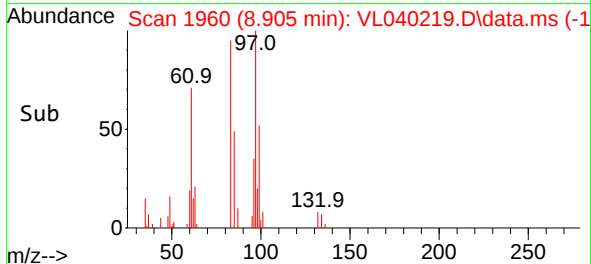
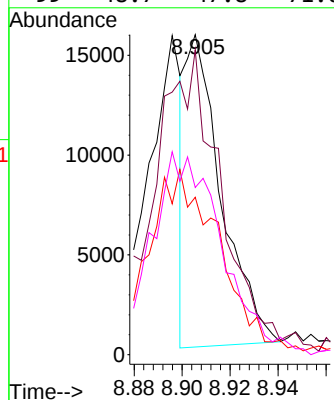
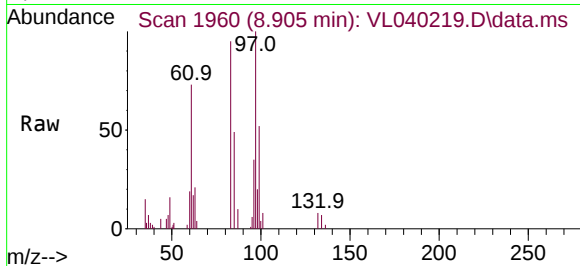




#47
1,1,2-Trichloroethane
Concen: 0.228 ppbv
RT: 8.905 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

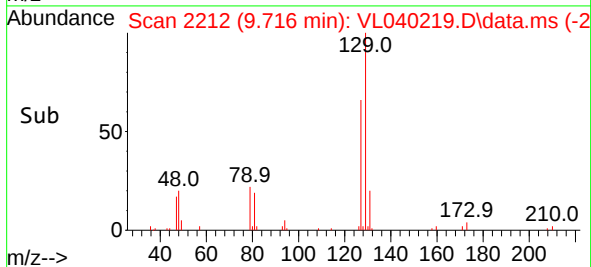
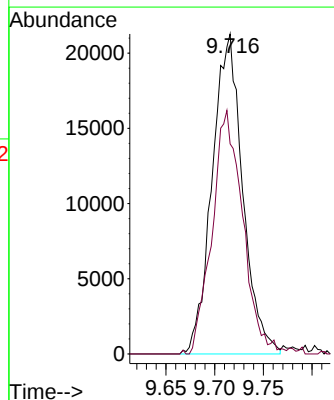
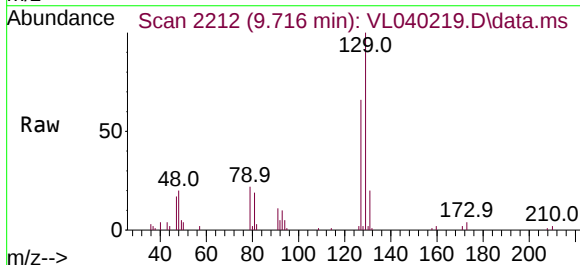
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

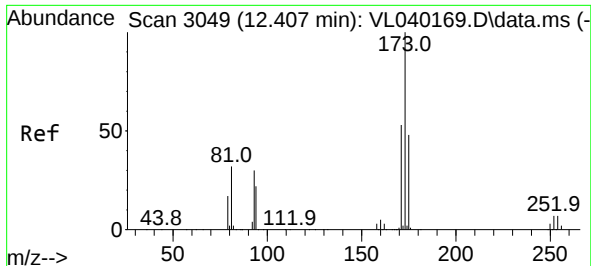
Tgt Ion: 97	Resp: 16175
Ion Ratio	Lower Upper
97 100	
83 94.5	72.8 109.2
85 46.6	46.6 69.8
99 48.7	47.8 71.6



#48
Dibromochloromethane
Concen: 0.407 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:129	Resp:	46281	
Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2





#49

Bromoform

Concen: 0.163 ppbv

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

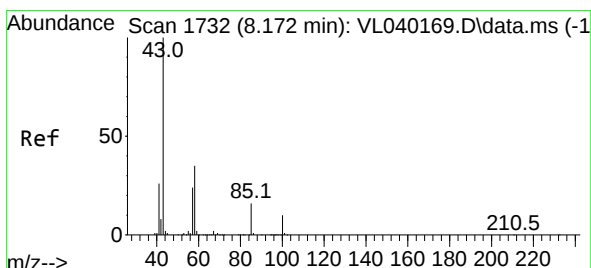
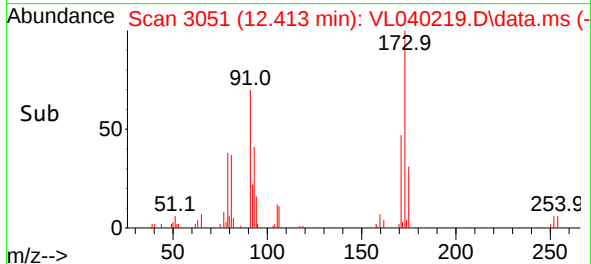
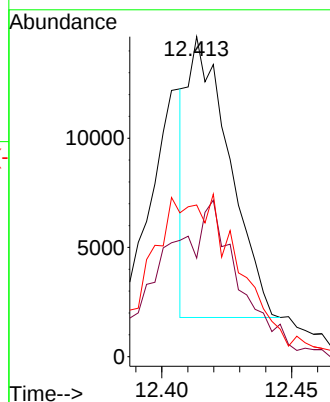
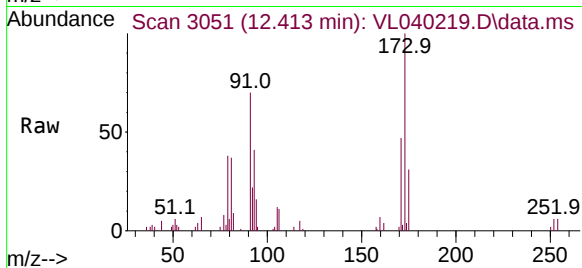
Tgt Ion:173 Resp: 14421

Ion Ratio Lower Upper

173 100

175 105.0 39.4 59.0#

171 125.6 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.432 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.019 min

Lab File: VL040219.D

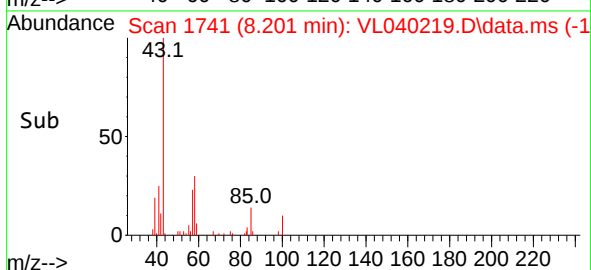
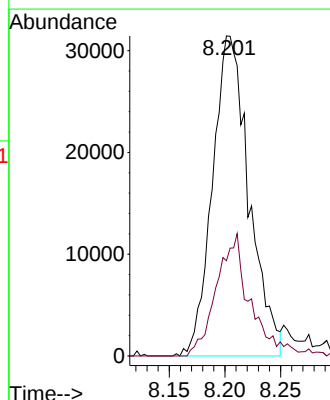
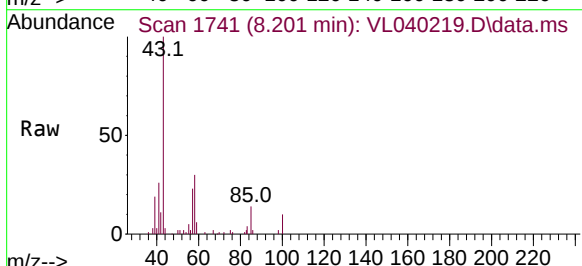
Acq: 23 Feb 2023 12:35

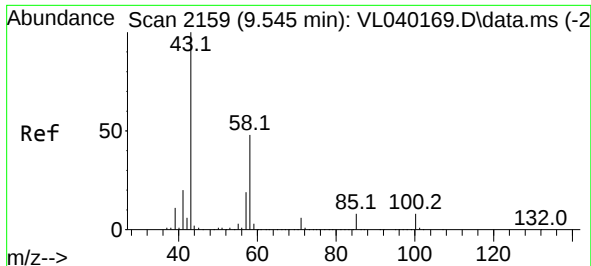
Tgt Ion: 43 Resp: 71779

Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8

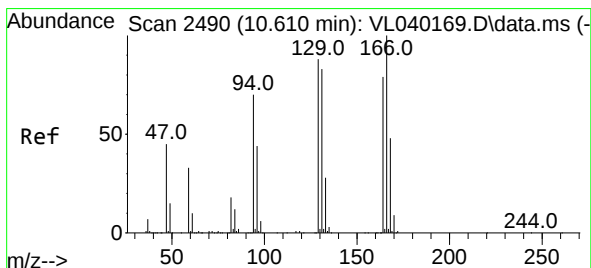
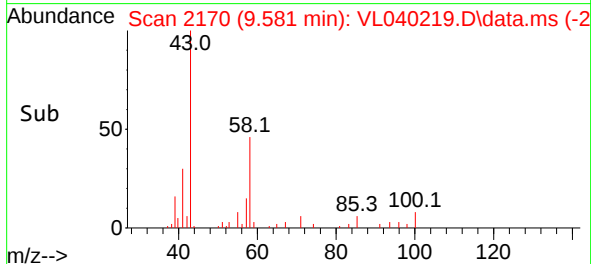
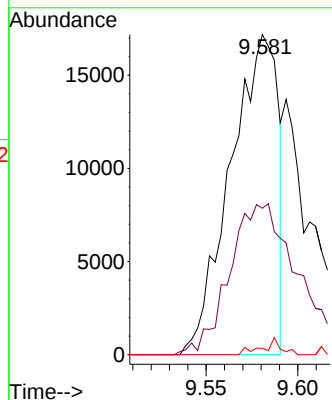
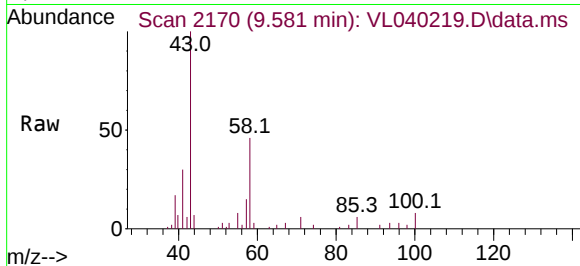




#51
2-Hexanone
Concen: 0.243 ppbv
RT: 9.581 min Scan# 2159
Delta R.T. 0.026 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

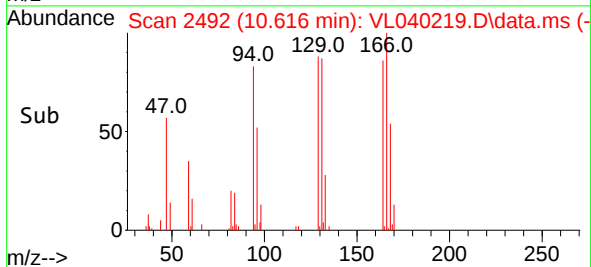
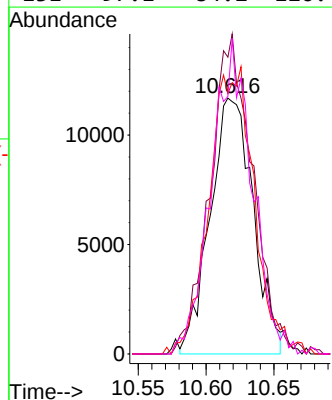
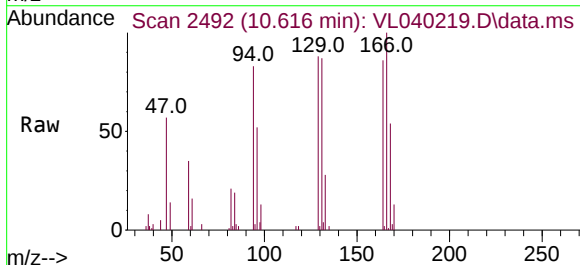
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

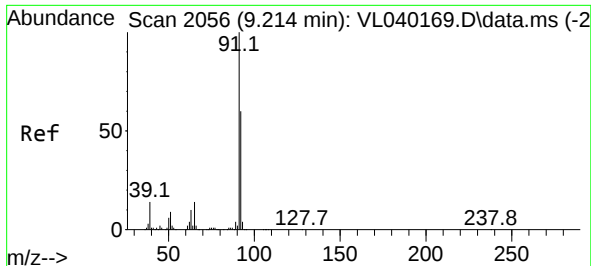
Tgt Ion: 43 Resp: 31022
Ion Ratio Lower Upper
43 100
58 79.7 39.1 58.7#
98 2.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.489 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 164 Resp: 25789
Ion Ratio Lower Upper
164 100
166 110.9 101.5 152.3
129 99.2 89.0 133.4
131 97.1 84.2 126.4

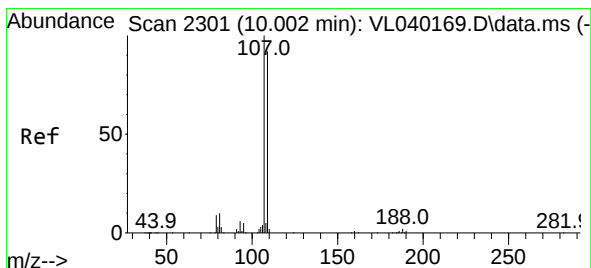
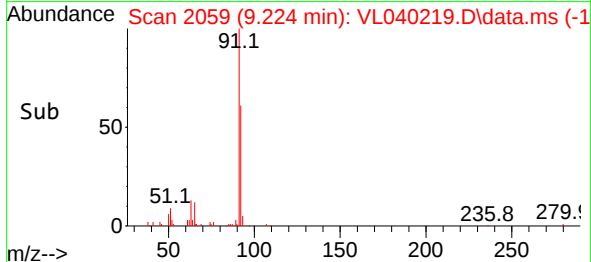
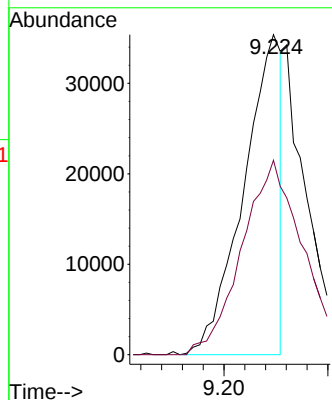
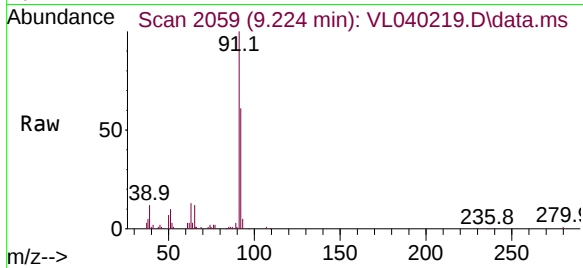




#53
Toluene
Concen: 0.247 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

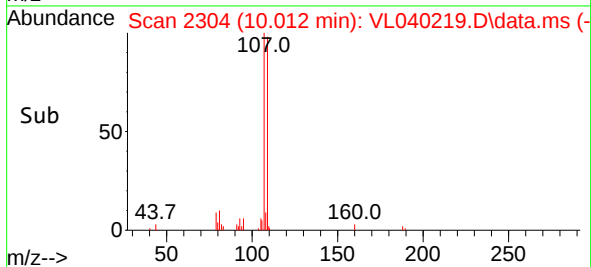
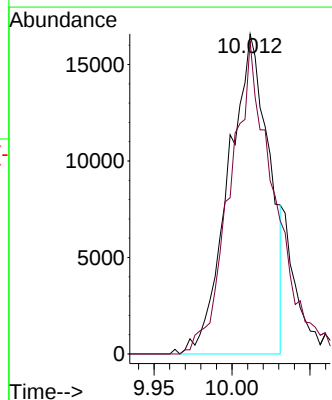
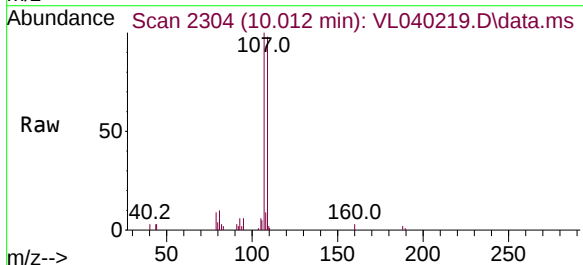
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

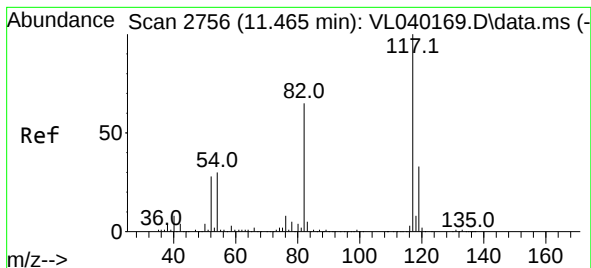
Tgt Ion: 91 Resp: 44625
Ion Ratio Lower Upper
91 100
92 100.0 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.408 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 107 Resp: 30199
Ion Ratio Lower Upper
107 100
109 99.7 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

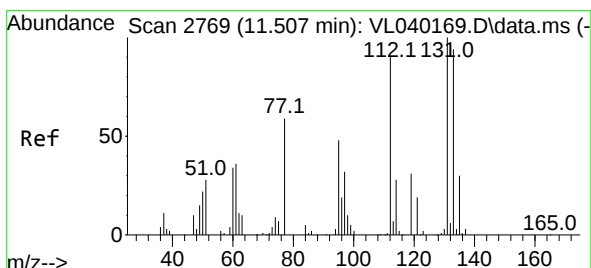
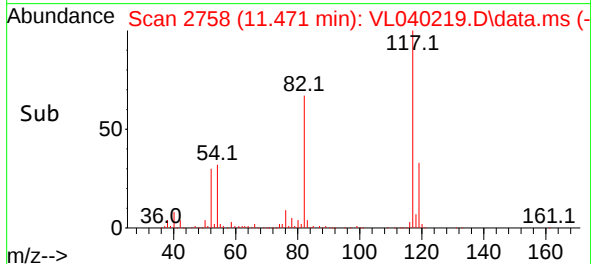
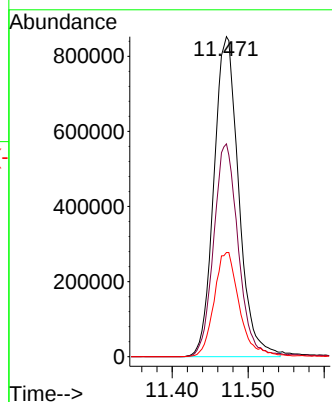
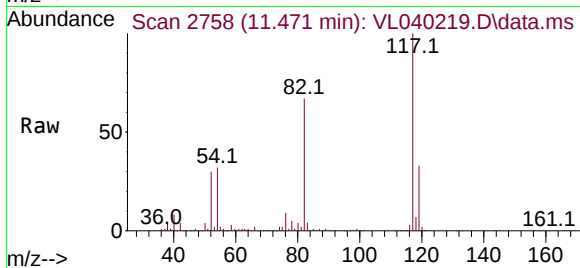
Tgt Ion:117 Resp: 1933920

Ion Ratio Lower Upper

117 100

82 66.6 53.3 79.9

119 33.6 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.468 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. -0.006 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

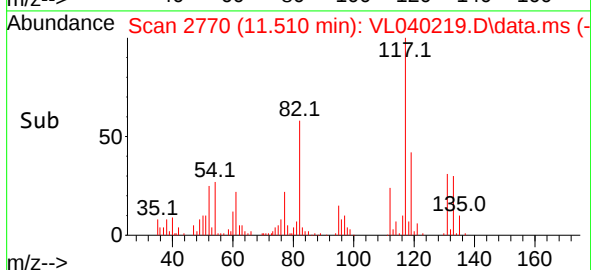
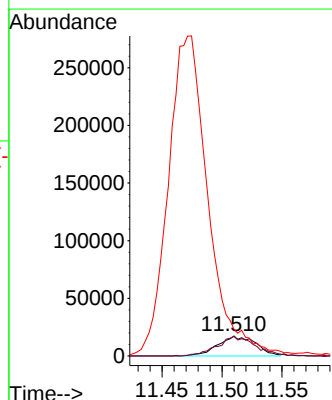
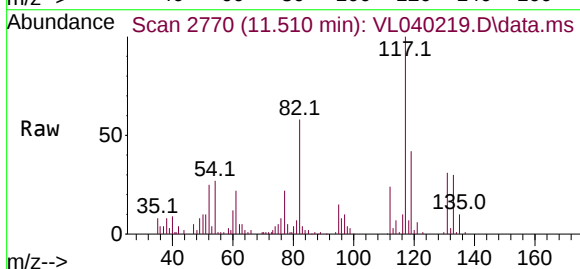
Tgt Ion:131 Resp: 37954

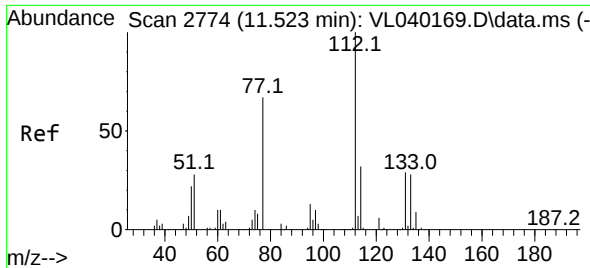
Ion Ratio Lower Upper

131 100

133 98.7 76.2 114.2

119 1707.3 45.4 68.0#

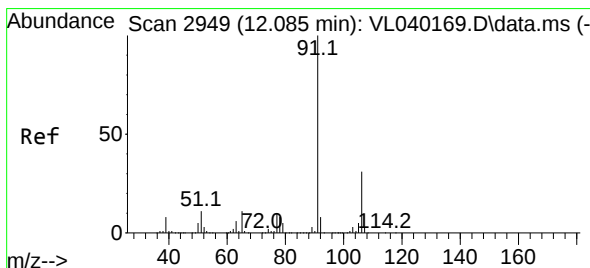
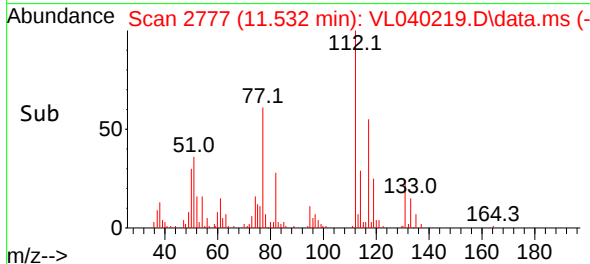
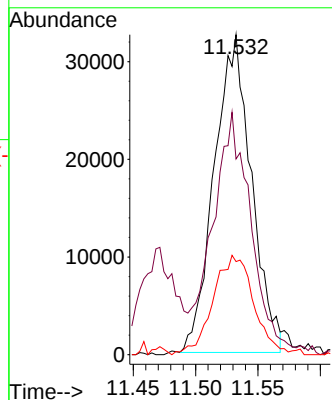
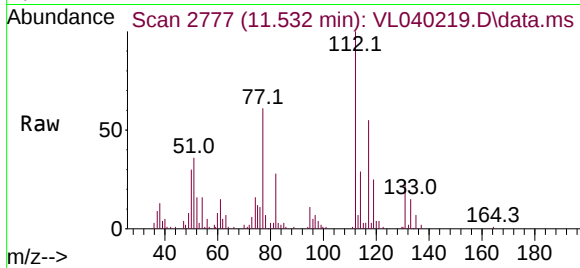




#57
Chlorobenzene
Concen: 0.479 ppbv
RT: 11.532 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

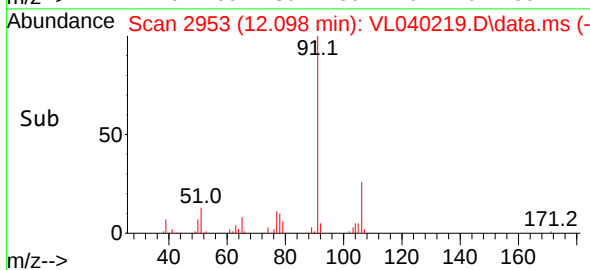
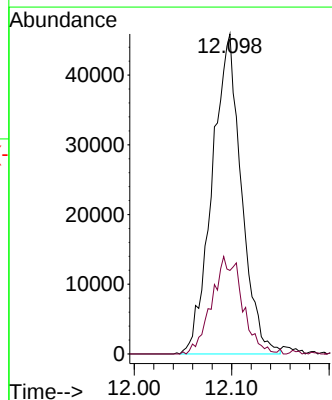
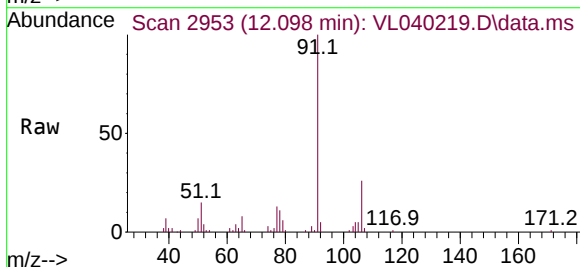
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

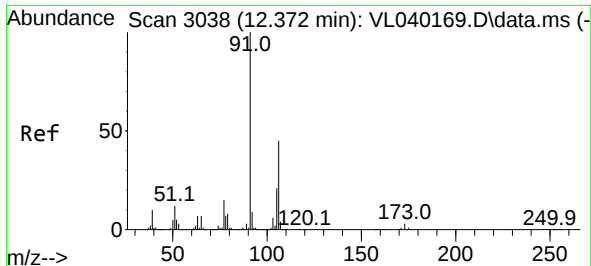
Tgt Ion:112 Resp: 67628
Ion Ratio Lower Upper
112 100
77 56.6 55.0 82.4
114 28.5 29.0 35.4#



#58
Ethyl Benzene
Concen: 0.408 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 95782
Ion Ratio Lower Upper
91 100
106 26.1 24.9 37.3





#59

m/p-Xylene

Concen: 0.422 ppbv

RT: 12.378 min Scan# 3038

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_1

ClientSampleId :

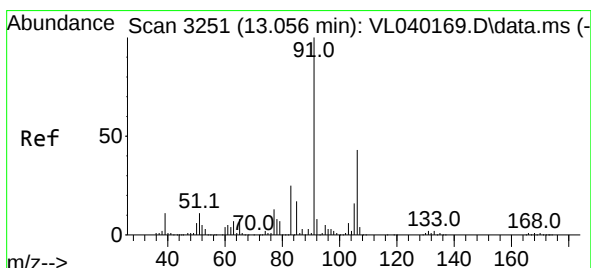
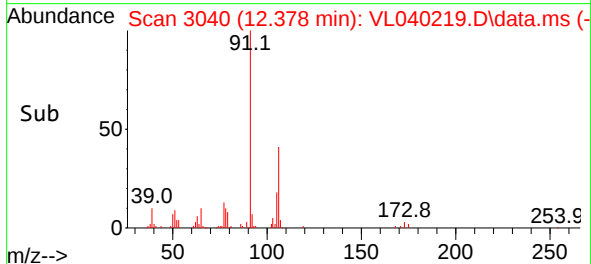
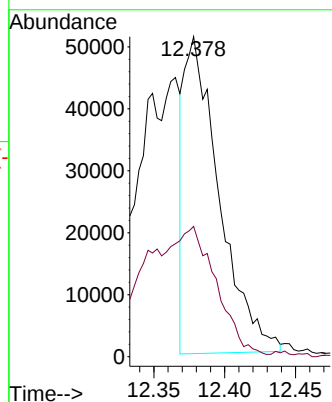
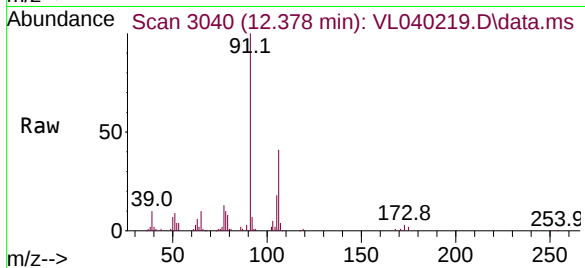
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 87929

Ion Ratio Lower Upper

91 100

106 86.2 34.6 51.8#



#60

o-Xylene

Concen: 0.236 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL040219.D

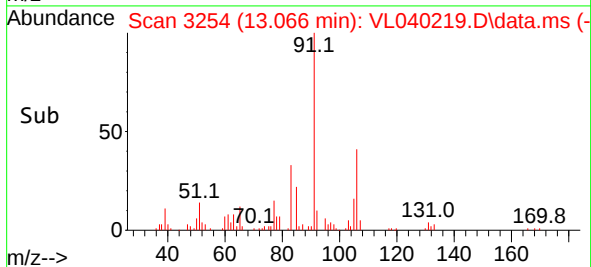
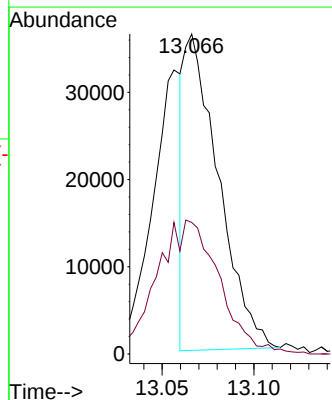
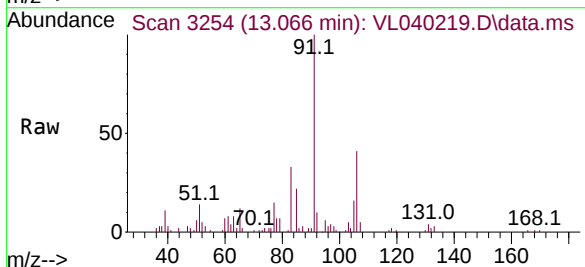
Acq: 23 Feb 2023 12:35

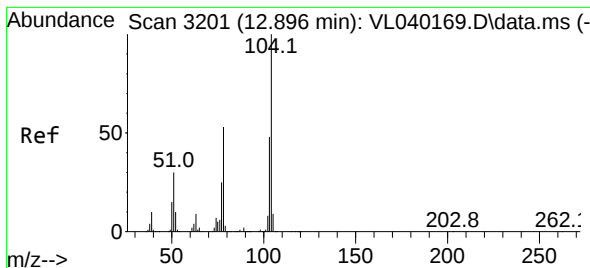
Tgt Ion: 91 Resp: 47270

Ion Ratio Lower Upper

91 100

106 77.2 21.6 65.0#





#61

Styrene

Concen: 0.212 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

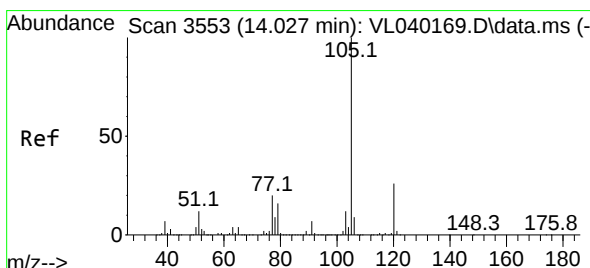
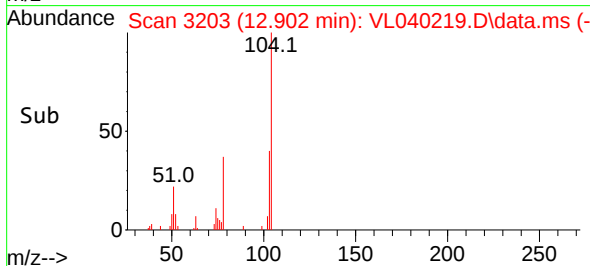
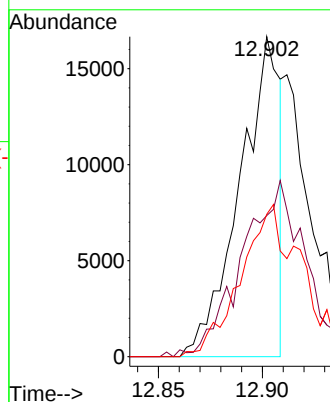
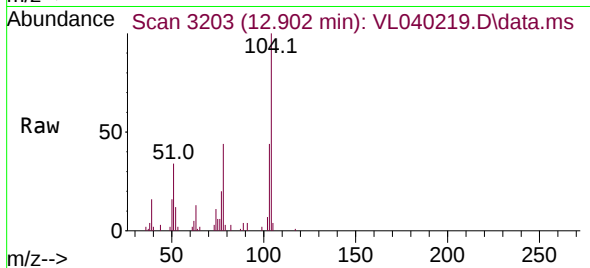
Tgt Ion:104 Resp: 22309

Ion Ratio Lower Upper

104 100

78 0.0 42.3 63.5#

103 0.0 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.458 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. -0.003 min

Lab File: VL040219.D

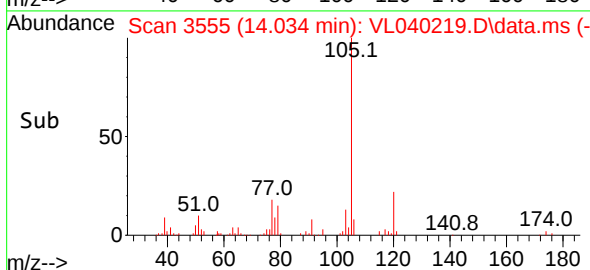
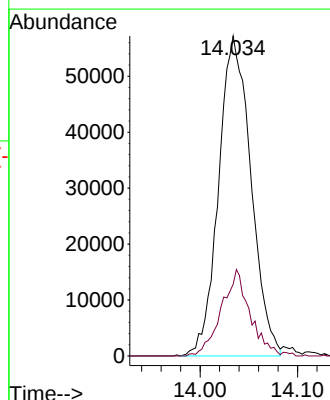
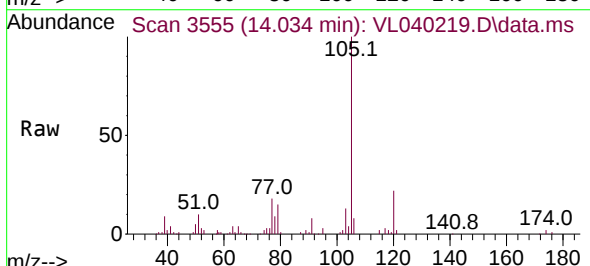
Acq: 23 Feb 2023 12:35

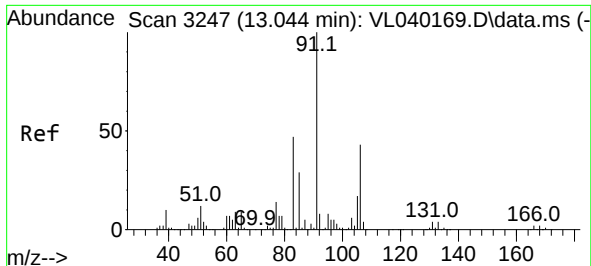
Tgt Ion:105 Resp: 131760

Ion Ratio Lower Upper

105 100

120 24.1 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.262 ppbv

RT: 13.056 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040219.D

Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

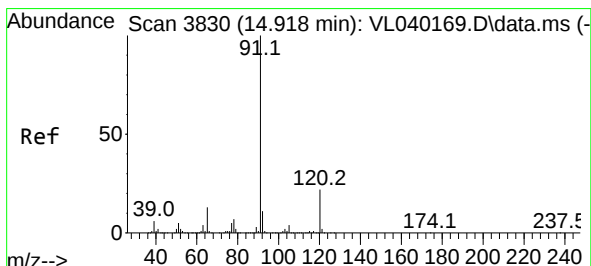
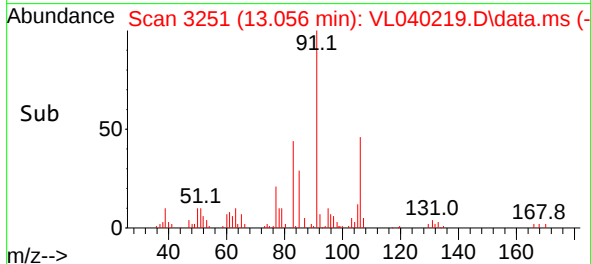
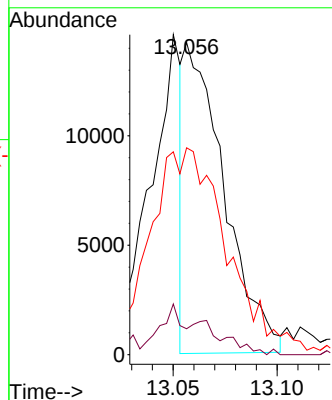
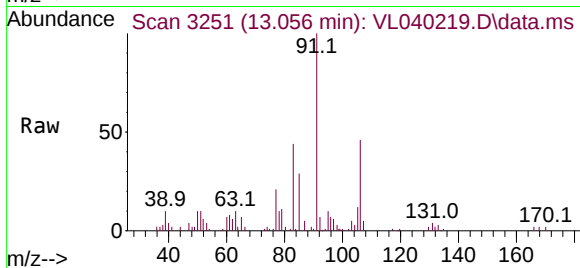
Tgt Ion: 83 Resp: 18943

Ion Ratio Lower Upper

83 100

131 0.0 4.4 13.2#

85 134.0 33.0 99.0#



#64

n-propylbenzene

Concen: 0.277 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. -0.006 min

Lab File: VL040219.D

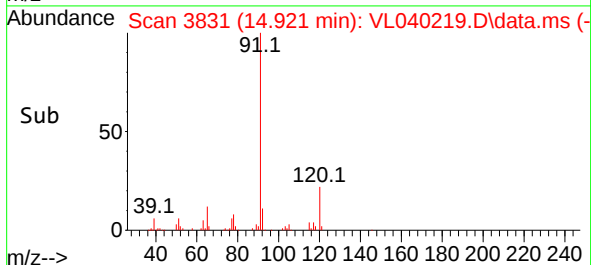
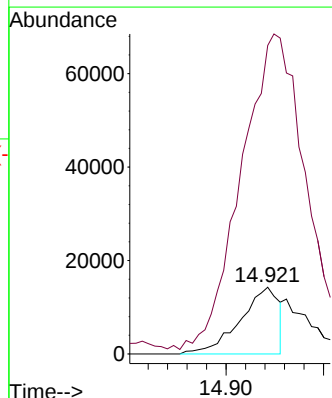
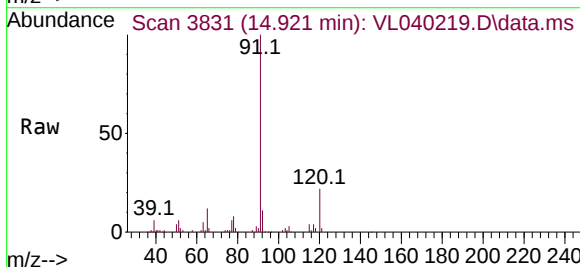
Acq: 23 Feb 2023 12:35

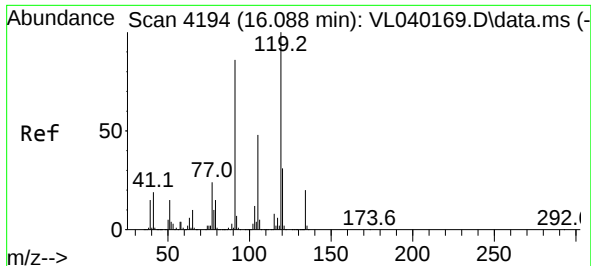
Tgt Ion: 120 Resp: 19728

Ion Ratio Lower Upper

120 100

91 827.4 389.8 584.8#

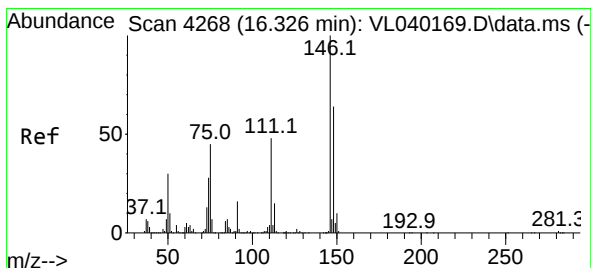
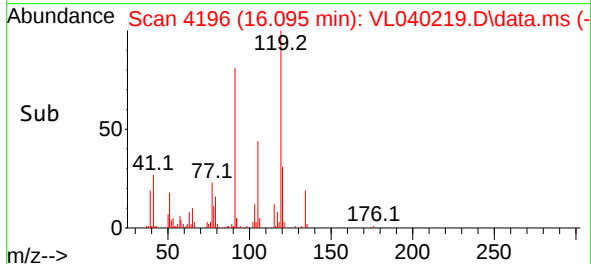
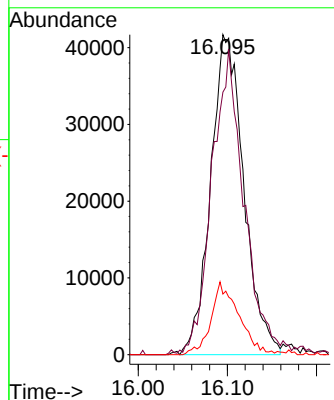
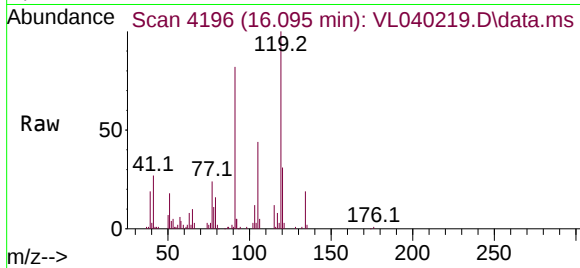




#65
tert-Butylbenzene
Concen: 0.431 ppbv
RT: 16.095 min Scan# 4195
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

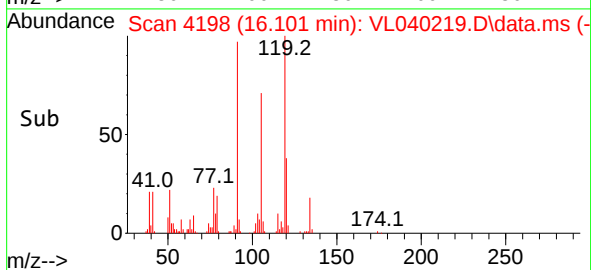
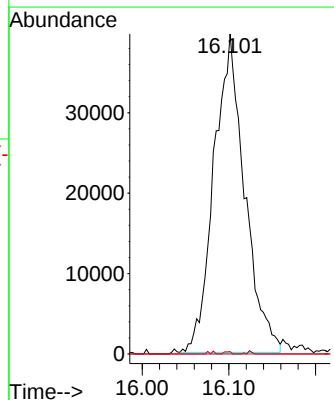
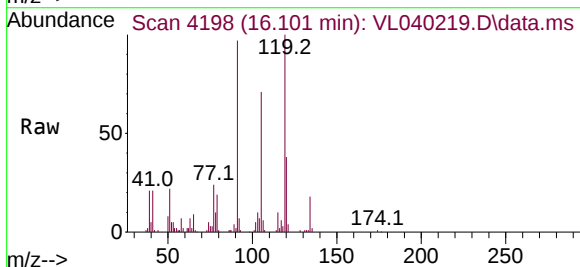
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

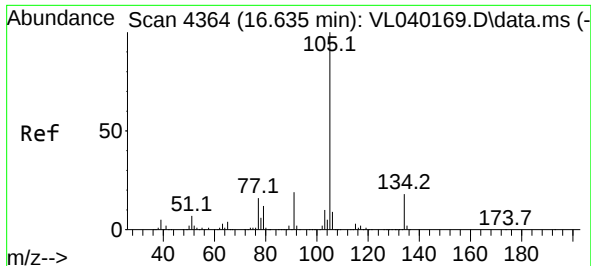
Tgt Ion:119 Resp: 107723
Ion Ratio Lower Upper
119 100
91 94.5 68.6 102.8
134 19.5 15.9 23.9



#66
Benzyl Chloride
Concen: 5.862 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. -0.238 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 97476
Ion Ratio Lower Upper
91 100
126 0.1 13.1 19.7#
128 0.3 4.1 6.1#

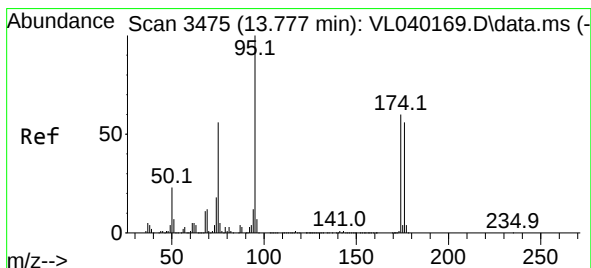
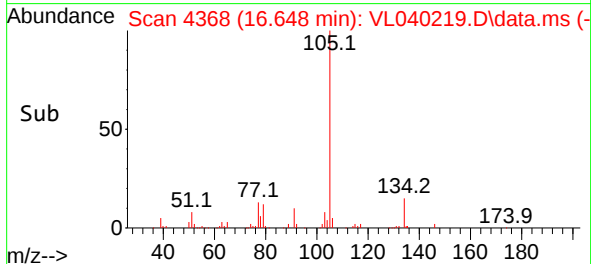
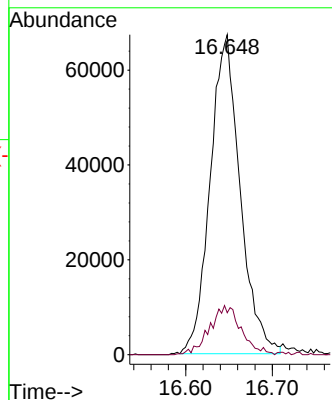
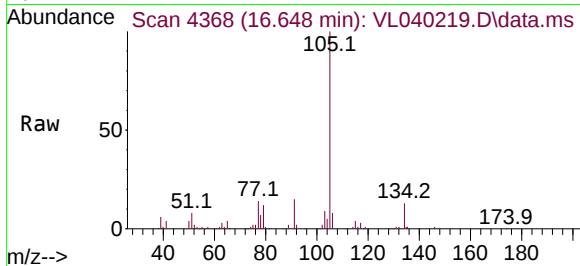




#67
 sec-Butylbenzene
 Concen: 0.451 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

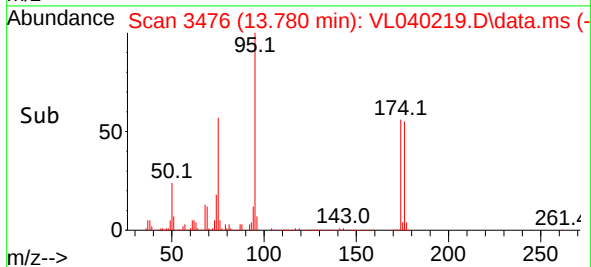
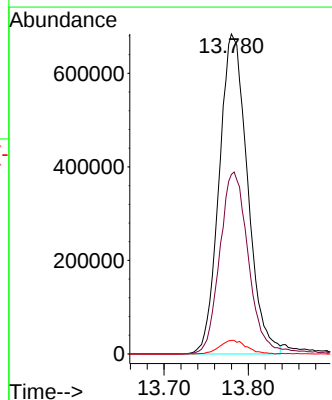
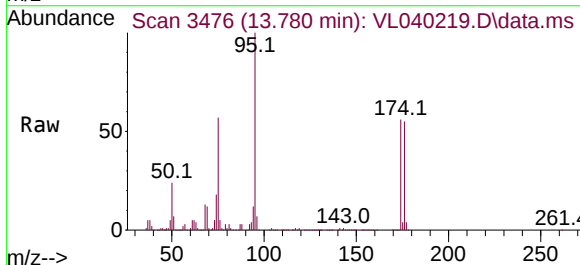
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

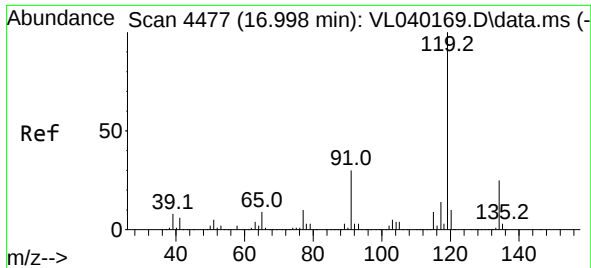
Tgt Ion:105 Resp: 161630
 Ion Ratio Lower Upper
 105 100
 134 16.5 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.029 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. -0.003 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion: 95 Resp: 1594835
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.2 72.2
 175 4.2 3.4 5.2

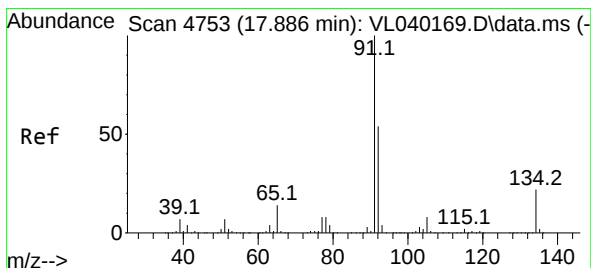
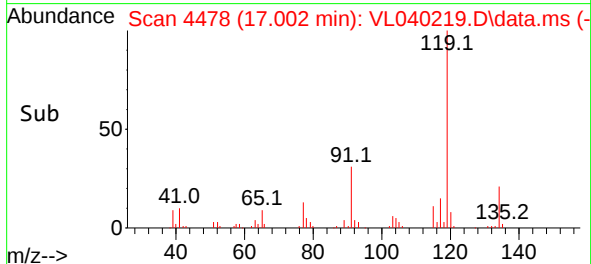
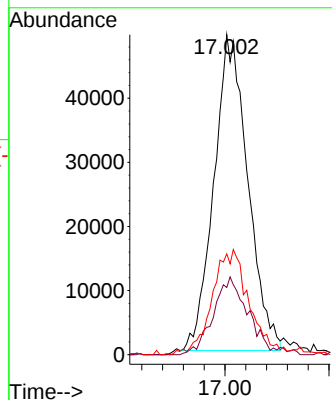
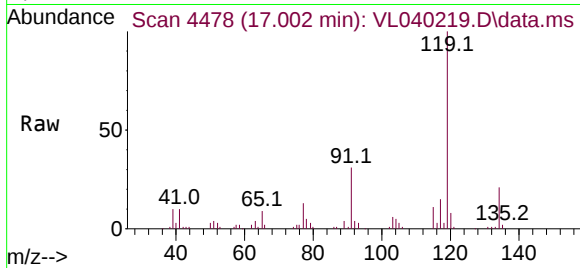




#69
p-Isopropyltoluene
Concen: 0.392 ppbv
RT: 17.002 min Scan# 4478
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

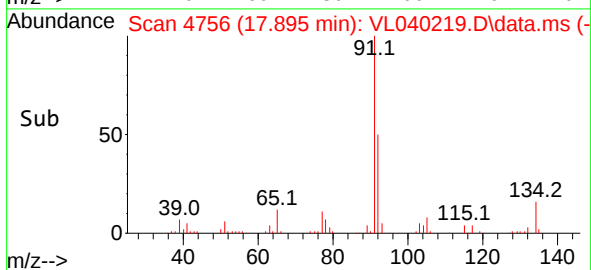
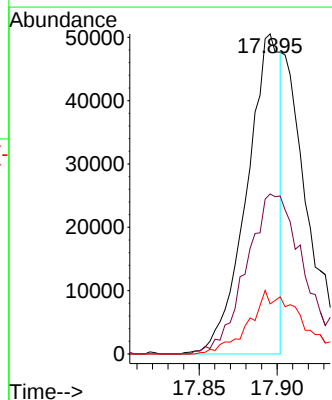
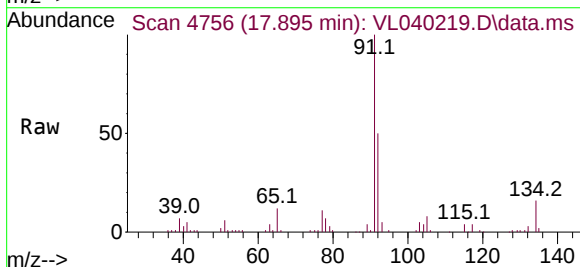
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT1-2023

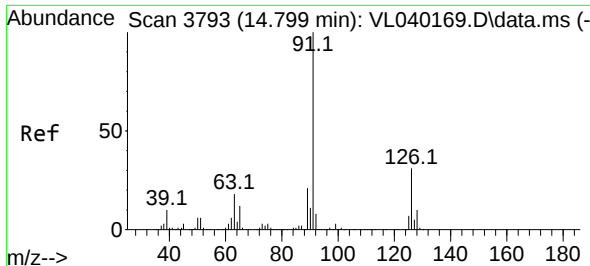
Tgt Ion:119 Resp: 111482
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.2
91 37.6 24.7 37.1#



#70
n-Butylbenzene
Concen: 0.245 ppbv
RT: 17.895 min Scan# 4756
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 91 Resp: 75510
Ion Ratio Lower Upper
91 100
92 90.4 43.0 64.6#
134 32.2 16.9 25.3#

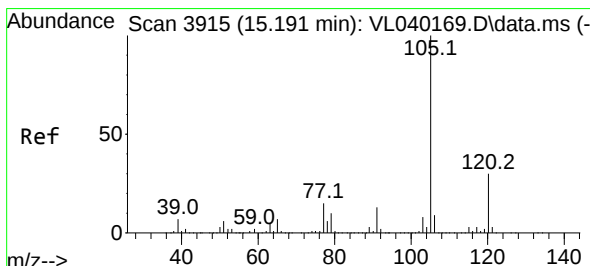
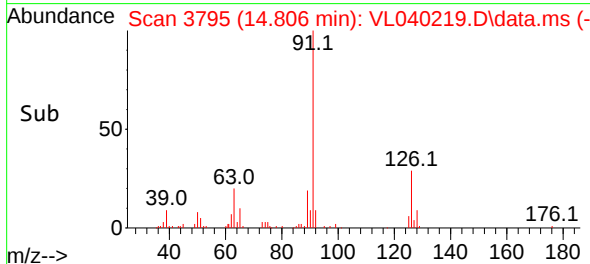
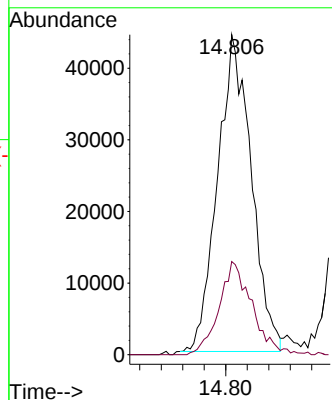
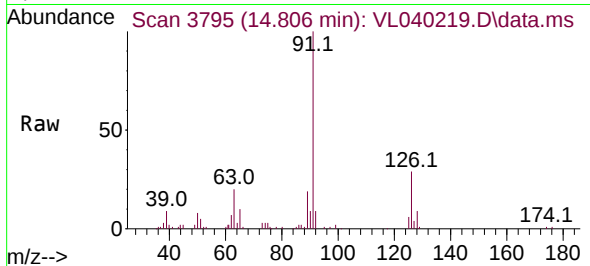




#71
2-Chlorotoluene
Concen: 0.438 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

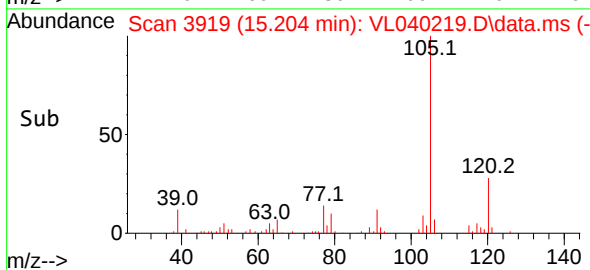
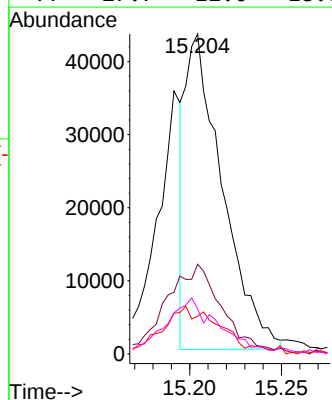
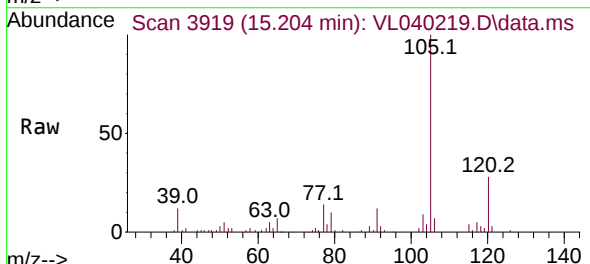
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

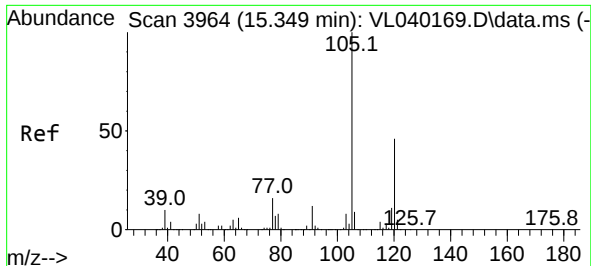
Tgt Ion: 91 Resp: 96189
Ion Ratio Lower Upper
91 100
126 28.8 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.273 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion: 105 Resp: 60525
Ion Ratio Lower Upper
105 100
120 44.7 23.2 34.8#
91 25.3 11.3 16.9#
77 27.7 12.0 18.0#

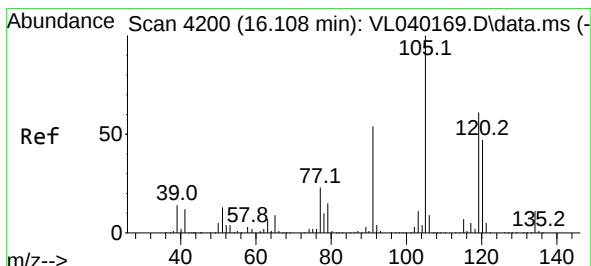
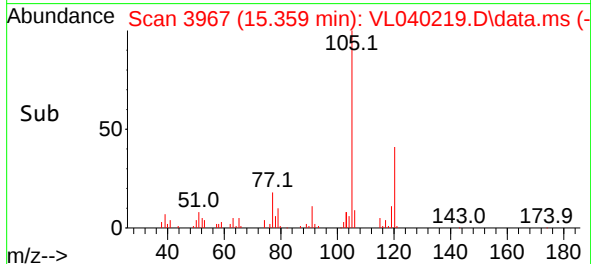
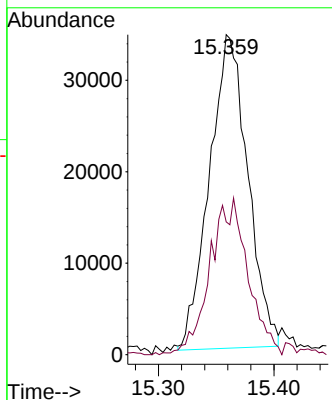
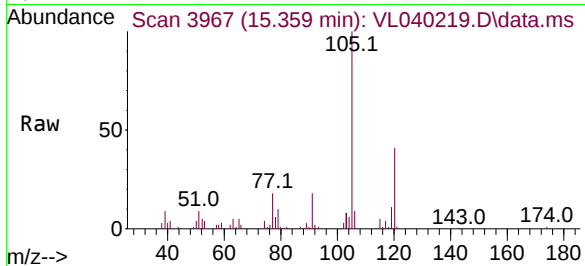




#73
 1,3,5-Trimethylbenzene
 Concen: 0.384 ppbv
 RT: 15.359 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

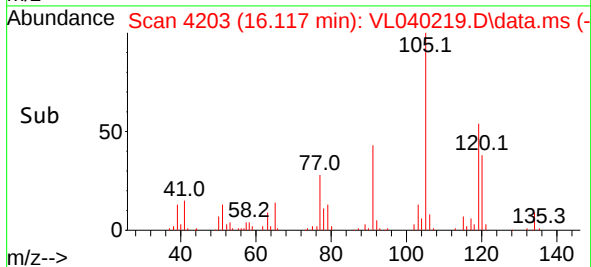
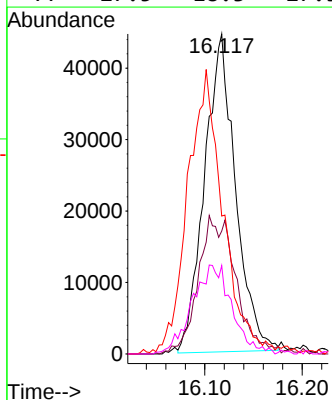
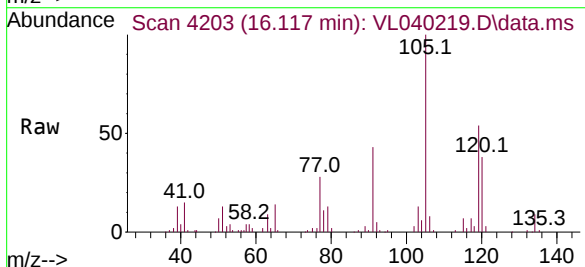
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT1-2023

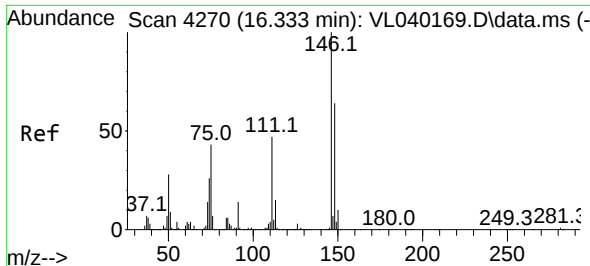
Tgt Ion:105 Resp: 79147
 Ion Ratio Lower Upper
 105 100
 120 41.4 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 0.435 ppbv
 RT: 16.117 min Scan# 4203
 Delta R.T. 0.000 min
 Lab File: VL040219.D
 Acq: 23 Feb 2023 12:35

Tgt Ion:105 Resp: 98476
 Ion Ratio Lower Upper
 105 100
 120 36.4 37.9 56.9#
 91 41.0 43.7 65.5#
 77 27.5 18.3 27.5

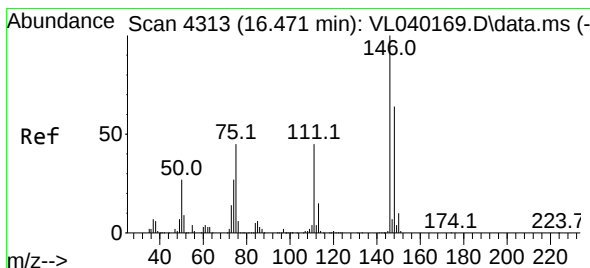
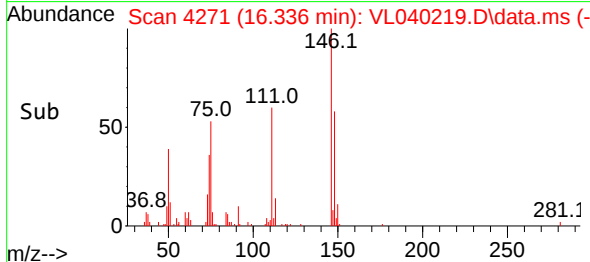
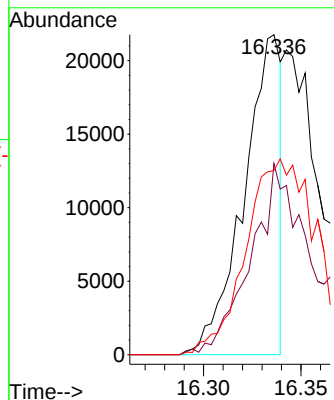
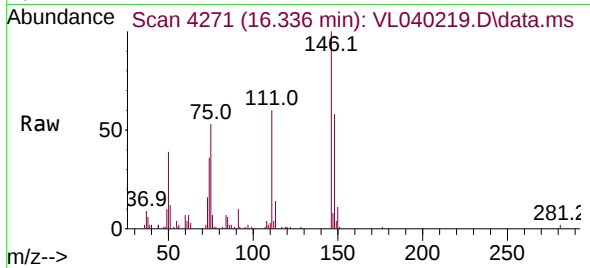




#75
1,3-Dichlorobenzene
Concen: 0.232 ppbv
RT: 16.336 min Scan# 4270
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

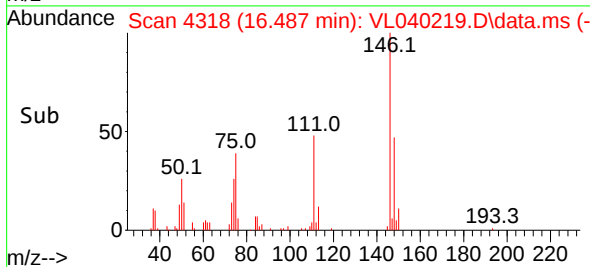
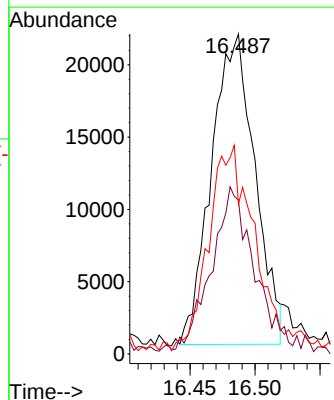
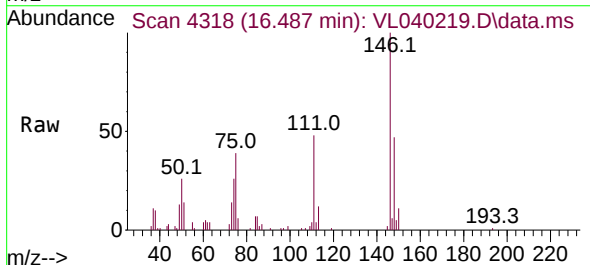
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion:146 Resp: 28702
Ion Ratio Lower Upper
146 100
111 104.1 23.9 71.8#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.413 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.007 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:146 Resp: 50097
Ion Ratio Lower Upper
146 100
111 54.0 23.5 70.5
148 78.3 32.5 97.4

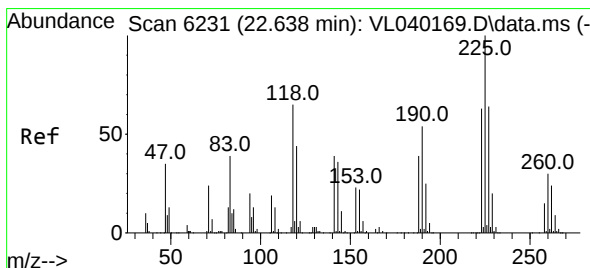
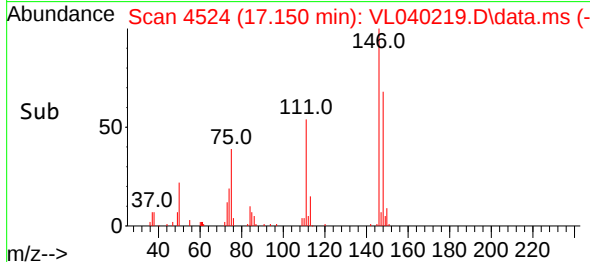
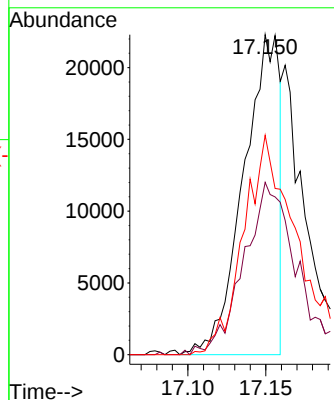
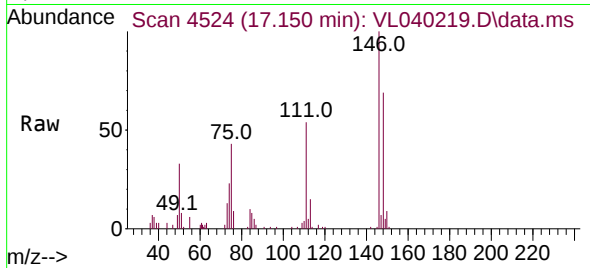




#77
1,2-Dichlorobenzene
Concen: 0.292 ppbv
RT: 17.150 min Scan# 4524
Delta R.T. -0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

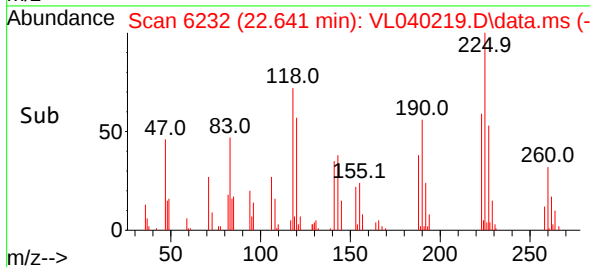
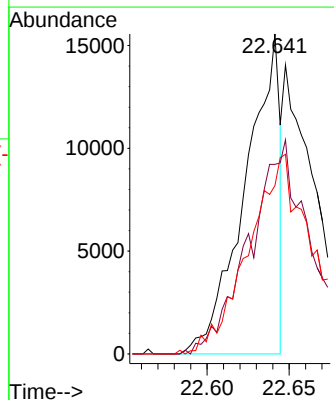
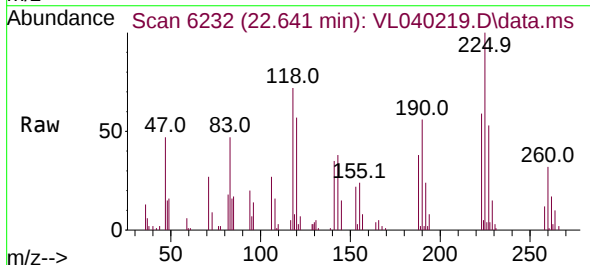
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ClientSampleId :
MDL-AIR-03-QT1-2023

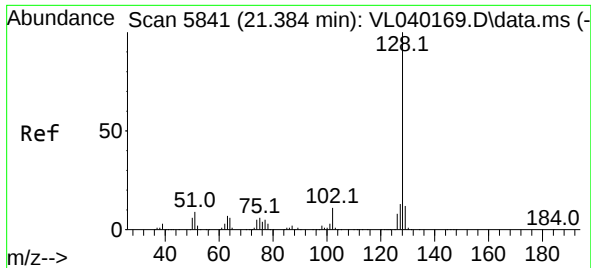
Tgt Ion:146 Resp: 35966
Ion Ratio Lower Upper
146 100
111 82.1 25.3 75.8#
148 106.8 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.269 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.006 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:225 Resp: 22759
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

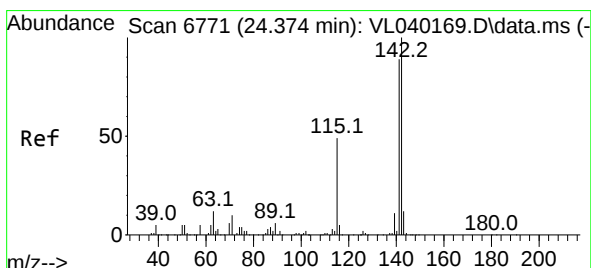
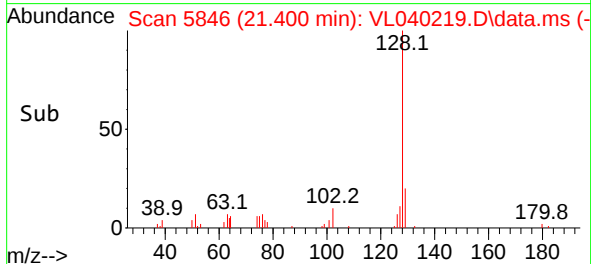
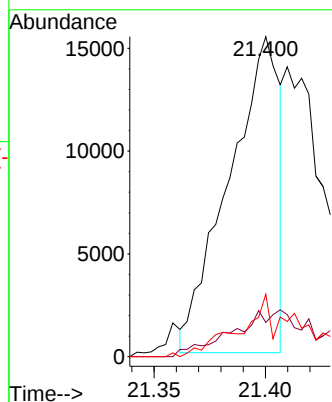
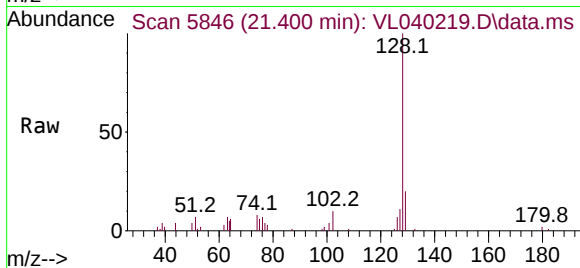




#79
Naphthalene
Concen: 0.190 ppbv
RT: 21.400 min Scan# 5846
Delta R.T. 0.000 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

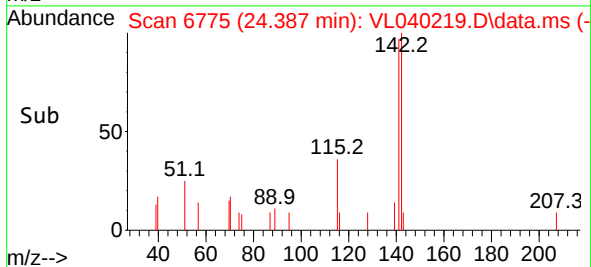
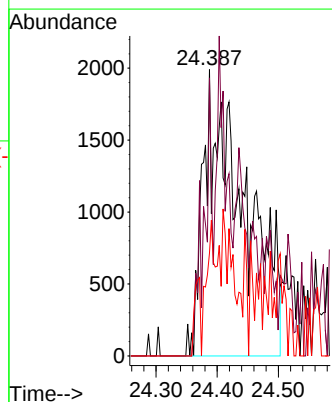
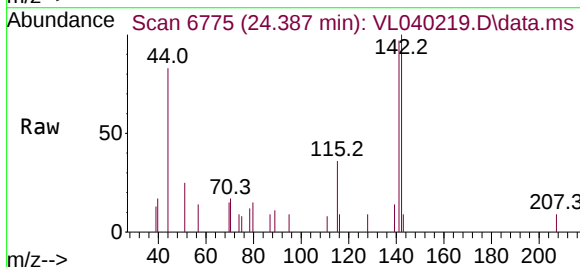
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT1-2023

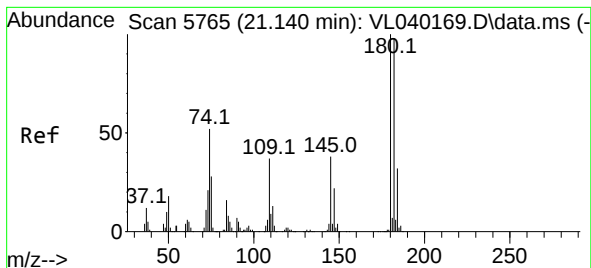
Tgt Ion:128 Resp: 24213
Ion Ratio Lower Upper
128 100
127 9.2 10.2 15.4#
129 21.3 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.256 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.003 min
Lab File: VL040219.D
Acq: 23 Feb 2023 12:35

Tgt Ion:142 Resp: 9237
Ion Ratio Lower Upper
142 100
141 0.0 67.3 100.9#
115 17.1 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.125 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040219.D

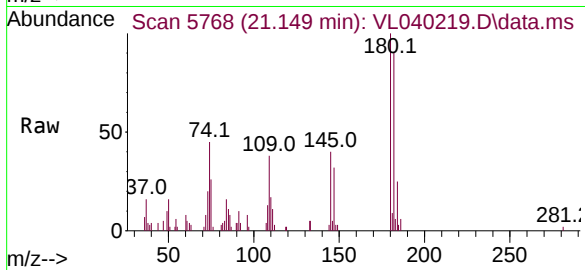
Acq: 23 Feb 2023 12:35

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 9947

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 0.0 24.6 36.8#

