

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040347.D
 Acq On : 12 Apr 2023 22:03
 Operator : SY/MD
 Sample : 02213-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

Quant Time: Apr 13 05:41:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	890378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2265524	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	1956086	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1608894	9.822	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	102812	0.589	ppbv	98
3) Chlorodifluoromethane	2.665	51	58502	0.523	ppbv	99
4) Chloromethane	2.806	50	38433	0.556	ppbv	96
5) Vinyl Chloride	2.912	62	26861	0.480	ppbv #	86
6) Bromomethane	3.115	94	9853	0.508	ppbv	93
7) Chloroethane	3.192	64	11026	0.513	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	80639	0.539	ppbv	98
9) Propene	2.684	41	23031	0.537	ppbv	98
10) Heptane	7.587	43	37549	0.364	ppbv	91
11) Trichlorofluoromethane	3.558	101	80749	0.510	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.060	101	58223	0.490	ppbv	91
13) Ethanol	3.246	45	3226	1.025	ppbv	80
14) Bromoethene	3.359	108	21416	0.483	ppbv #	94
15) Acetone	3.475	43	71964	0.664	ppbv	90
16) 1,3-Butadiene	2.980	39	14997	0.304	ppbv #	48
17) tert-Butyl alcohol	3.893	59	51026	0.495	ppbv	98
18) 1,1-Dichloroethene	3.880	96	23732	0.465	ppbv #	85
19) Isopropyl Alcohol	3.584	45	28637	0.552	ppbv #	94
20) Methylene Chloride	3.928	84	47044	1.032	ppbv	94
21) Allyl Chloride	3.992	41	31052	0.442	ppbv	96
22) trans-1,2-Dichloroethene	4.446	96	21947	0.423	ppbv	89
23) Vinyl Acetate	4.623	43	4717	0.156	ppbv #	97
24) 1,1-Dichloroethane	4.558	63	51854	0.482	ppbv	97
25) Ethyl Acetate	5.214	43	105067	0.518	ppbv	99
26) Hexane	5.208	57	54281	0.652	ppbv	79
27) Carbon Disulfide	4.124	76	43792	0.376	ppbv #	84
28) Methyl tert-Butyl Ether	4.597	73	39030	0.408	ppbv	98
29) Chloroform	5.269	83	78085	0.531	ppbv	95
30) Cyclohexane	6.610	84	11891	0.181	ppbv #	1
31) cis-1,2-Dichloroethene	5.079	61	32242	0.397	ppbv	91
32) 1,1,1-Trichloroethane	6.005	97	71162	0.505	ppbv	97
34) 2-Butanone	4.796	43	55106	0.493	ppbv	97
35) Carbon Tetrachloride	6.494	117	38381	0.270	ppbv	93
36) Benzene	6.372	78	72033	0.417	ppbv	96
37) 1,2-Dichloroethane	5.809	62	53944	0.480	ppbv	97
38) Trichloroethene	7.295	130	44184	0.468	ppbv	96
39) 1,2-Dichloropropane	7.076	63	30777	0.454	ppbv	85
40) 1,4-Dioxane	7.304	88	1045	0.039	ppbv #	1
41) Tetrahydrofuran	5.584	42	23388	0.362	ppbv	98
42) Bromodichloromethane	7.259	83	69532	0.453	ppbv	89
43) Methyl Methacrylate	7.484	69	17267	0.269	ppbv #	66
44) 2,2,4-Trimethylpentane	7.327	57	57578	0.200	ppbv #	42
45) t-1,3-Dichloropropene	8.735	75	2167	0.039	ppbv	98

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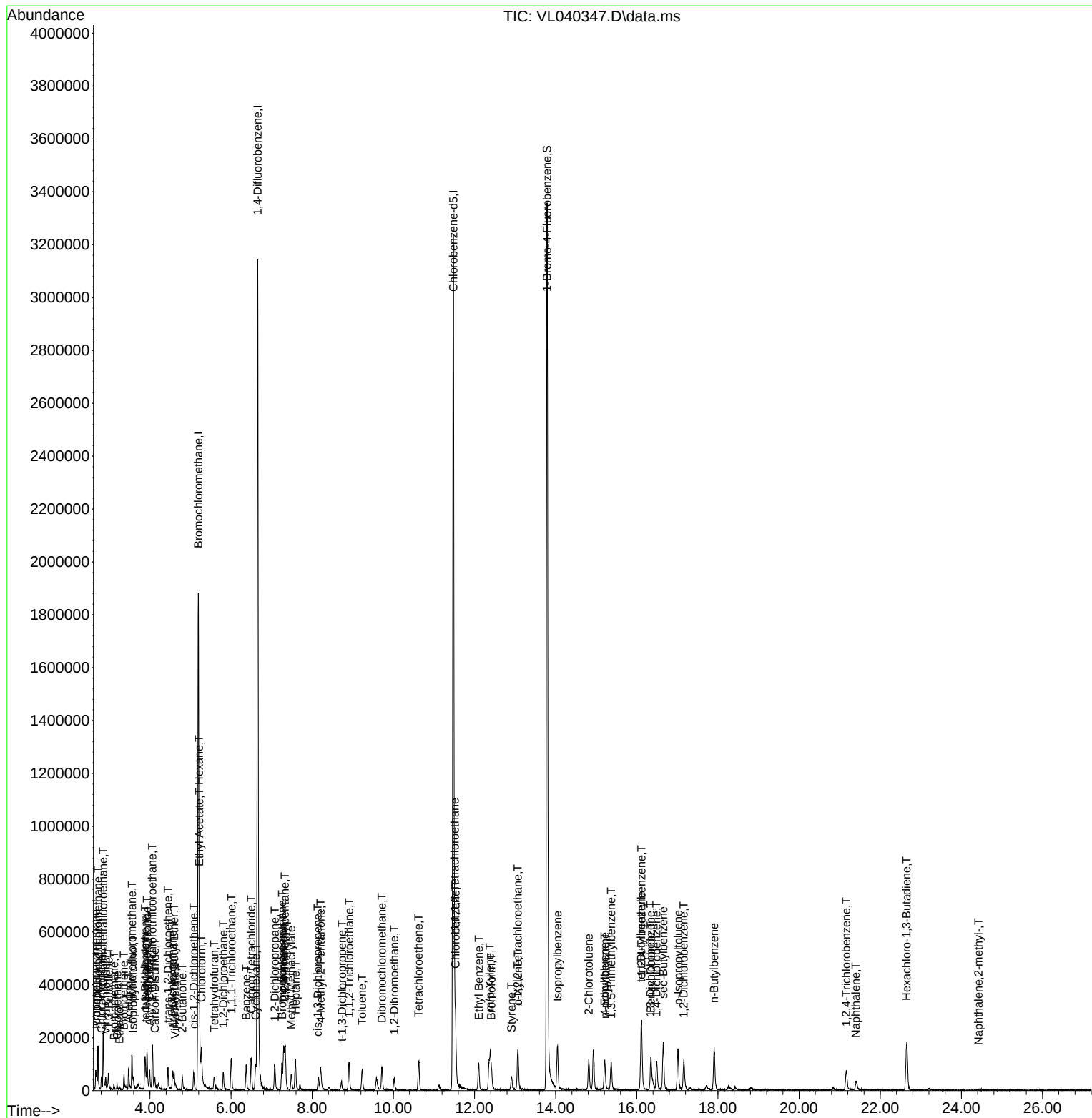
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	8753	0.110	ppbv	93
47) 1,1,2-Trichloroethane	8.909	97	9216	0.128	ppbv #	42
48) Dibromochloromethane	9.716	129	25505	0.214	ppbv #	10
49) Bromoform	12.413	173	22784	0.255	ppbv #	58
50) 4-Methyl-2-Pentanone	8.208	43	65932	0.381	ppbv	93
52) Tetrachloroethene	10.622	164	14584	0.279	ppbv	96
53) Toluene	9.230	91	15330	0.085	ppbv #	1
54) 1,2-Dibromoethane	10.018	107	29632	0.398	ppbv	80
56) 1,1,1,2-Tetrachloroethane	11.513	131	22550	0.274	ppbv #	10
57) Chlorobenzene	11.532	112	74543	0.536	ppbv #	97
58) Ethyl Benzene	12.108	91	81171	0.364	ppbv	95
59) m/p-Xylene	12.378	91	38087	0.187	ppbv #	33
60) o-Xylene	13.072	91	76694	0.393	ppbv	99
61) Styrene	12.912	104	23326	0.236	ppbv #	74
62) Isopropylbenzene	14.047	105	124434	0.448	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	37508	0.546	ppbv	93
64) n-propylbenzene	15.214	120	3625	0.053	ppbv	64
65) tert-Butylbenzene	16.104	119	100723	0.421	ppbv	88
66) Benzyl Chloride	16.346	91	4585	0.295	ppbv #	87
67) sec-Butylbenzene	16.654	105	151966	0.444	ppbv	97
69) p-Isopropyltoluene	17.018	119	104371	0.392	ppbv	94
70) n-Butylbenzene	17.905	91	70178	0.239	ppbv #	58
71) 2-Chlorotoluene	14.815	91	56580	0.268	ppbv	72
72) 4-Ethyltoluene	15.207	105	51566	0.242	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.368	105	46379	0.240	ppbv	92
74) 1,2,4-Trimethylbenzene	16.117	105	94149	0.427	ppbv #	80
75) 1,3-Dichlorobenzene	16.339	146	21678	0.182	ppbv #	23
76) 1,4-Dichlorobenzene	16.487	146	37726	0.332	ppbv #	58
77) 1,2-Dichlorobenzene	17.153	146	22624	0.197	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.648	225	26084	0.310	ppbv #	26
79) Naphthalene	21.400	128	16056	0.123	ppbv #	90
80) Naphthalene,2-methyl-	24.422	142	2320	0.070	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.159	180	12912	0.161	ppbv #	12

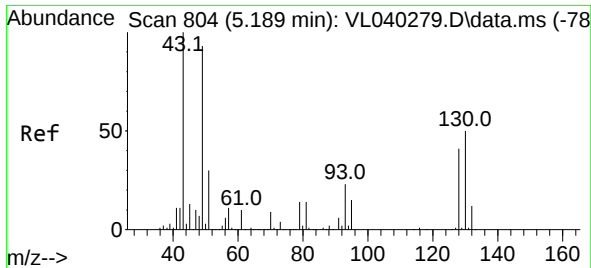
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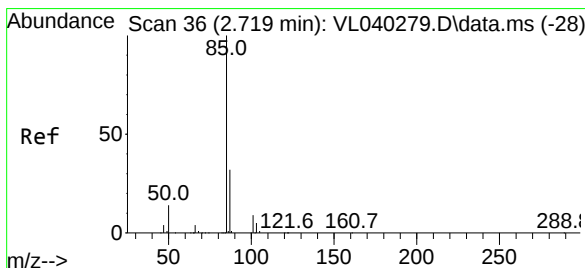
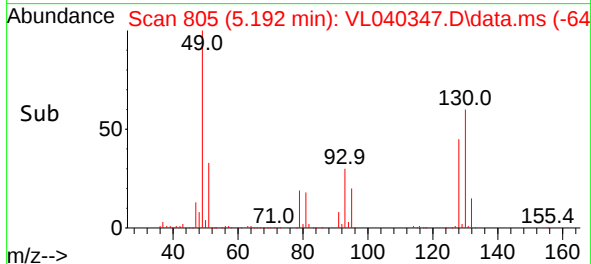
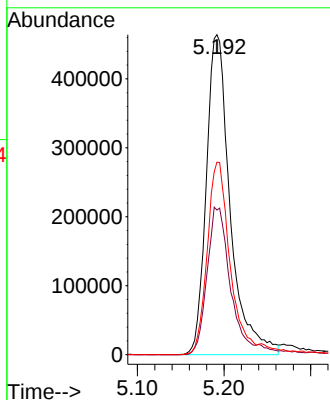
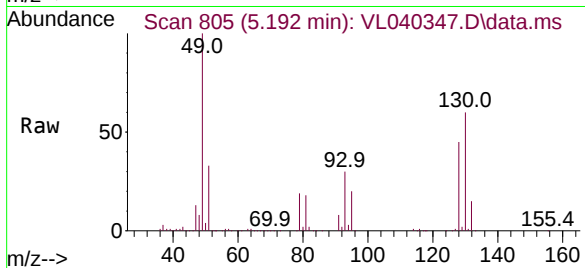




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL040347.D
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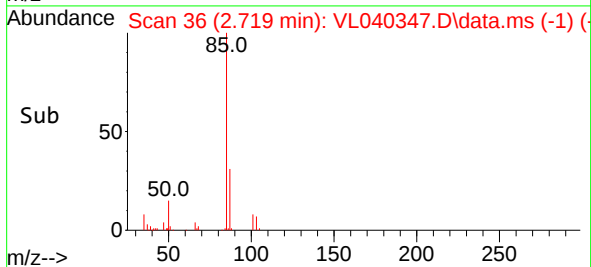
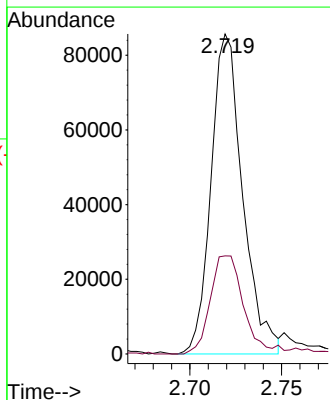
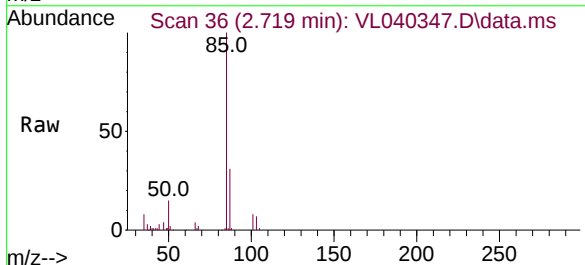
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT2-2023

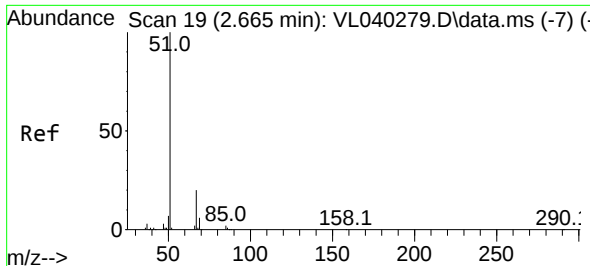
Tgt Ion: 49 Resp: 890378
 Ion Ratio Lower Upper
 49 100
 128 47.5 22.4 67.3
 130 60.6 28.7 86.1



#2
 Dichlorodifluoromethane
 Concen: 0.589 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 85 Resp: 102812
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.5 38.3

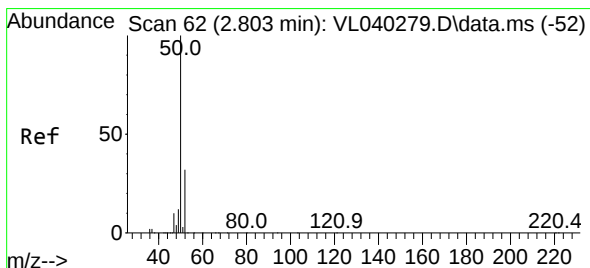
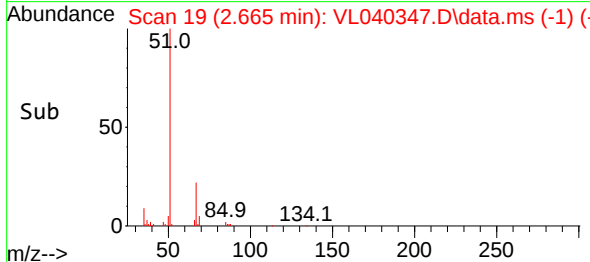
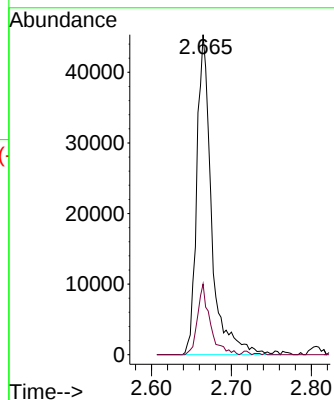
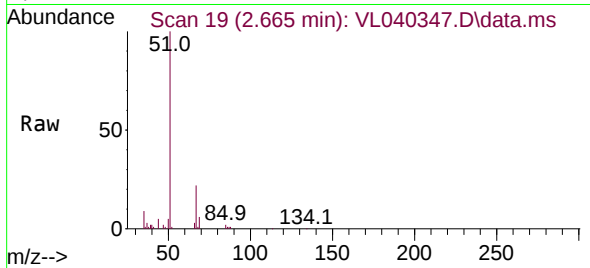




#3
Chlorodifluoromethane
Concen: 0.523 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

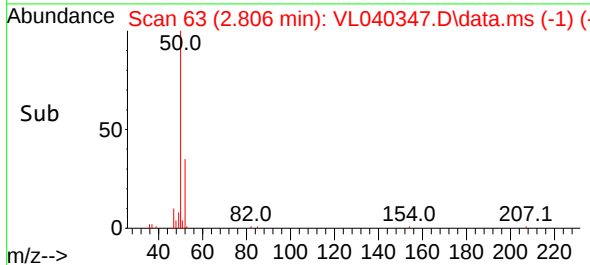
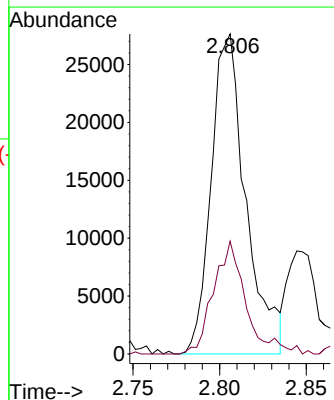
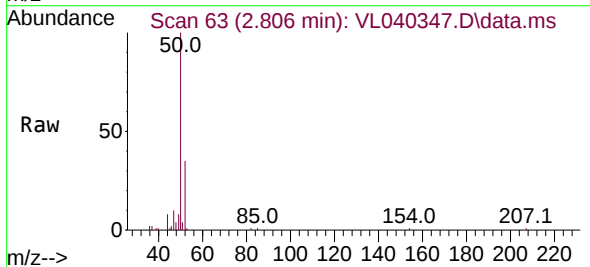
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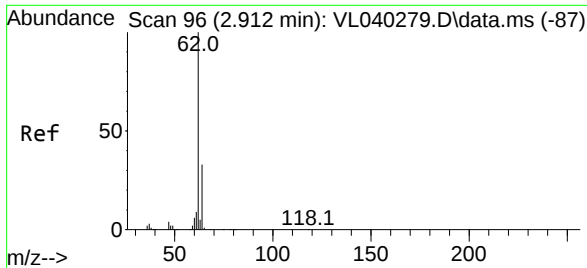
Tgt Ion: 51 Resp: 58502
Ion Ratio Lower Upper
51 100
67 19.5 16.0 24.0



#4
Chloromethane
Concen: 0.556 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 50 Resp: 38433
Ion Ratio Lower Upper
50 100
52 34.8 25.9 38.9

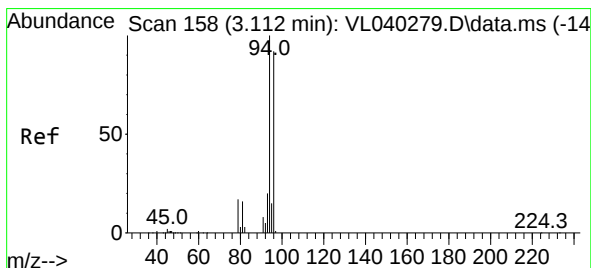
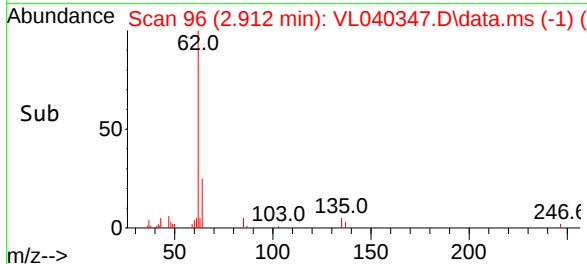
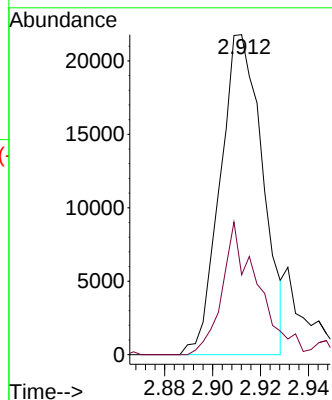
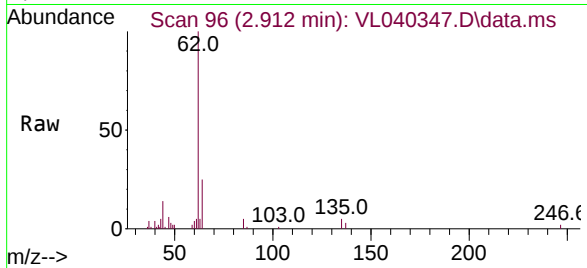




#5
 Vinyl Chloride
 Concen: 0.480 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

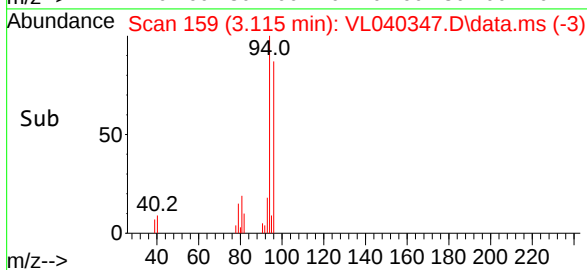
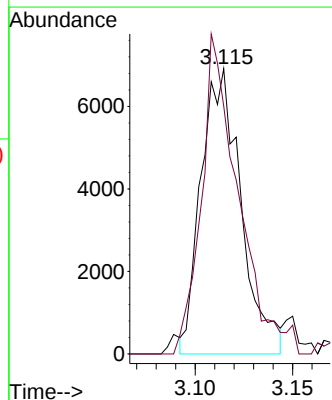
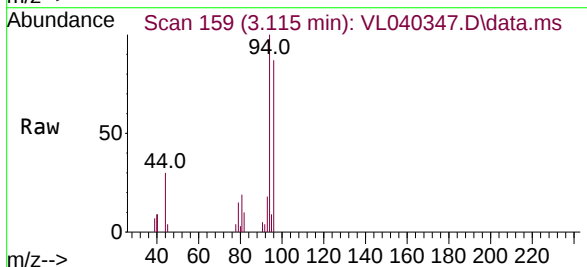
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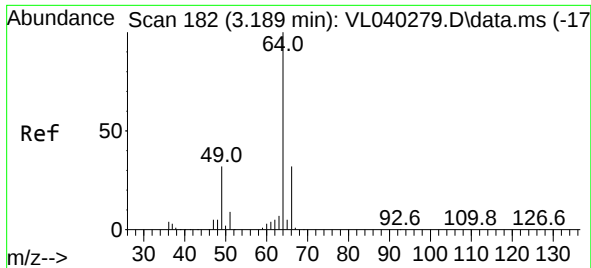
Tgt Ion: 62 Resp: 26861
 Ion Ratio Lower Upper
 62 100
 64 24.9 26.4 39.6#



#6
 Bromomethane
 Concen: 0.508 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 94 Resp: 9853
 Ion Ratio Lower Upper
 94 100
 96 85.2 73.7 110.5

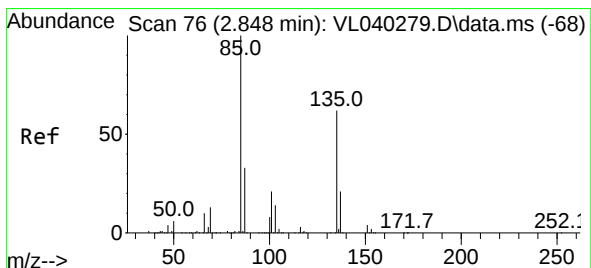
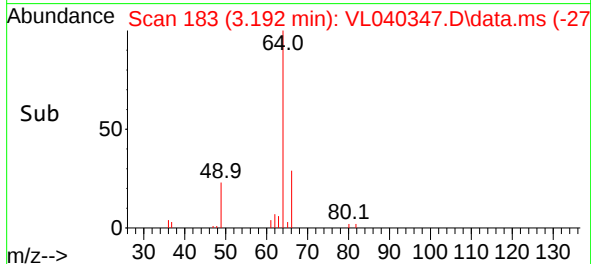
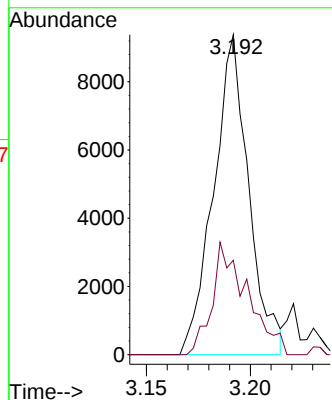
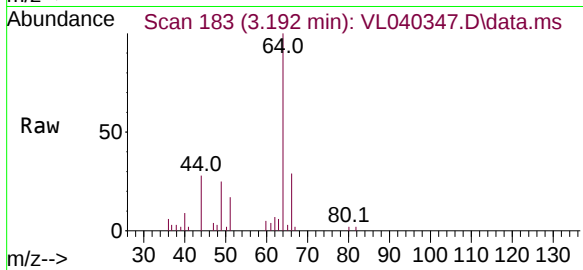




#7
Chloroethane
Concen: 0.513 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

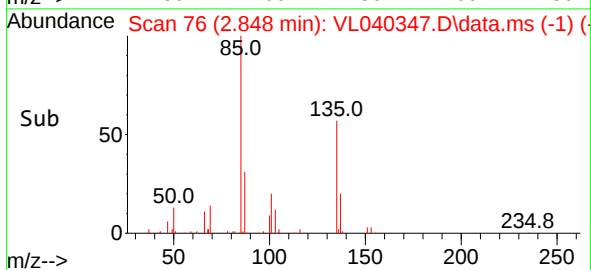
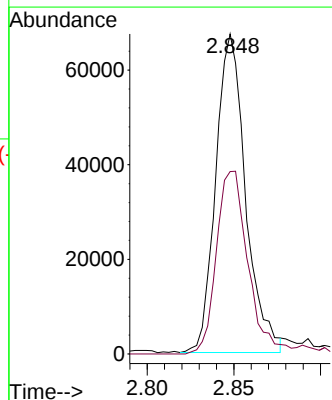
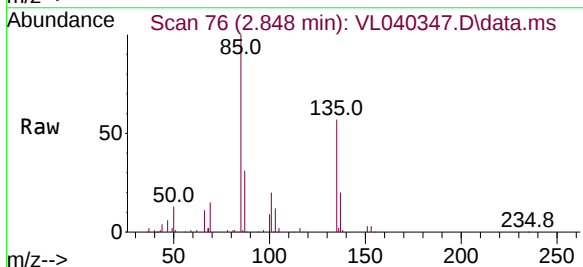
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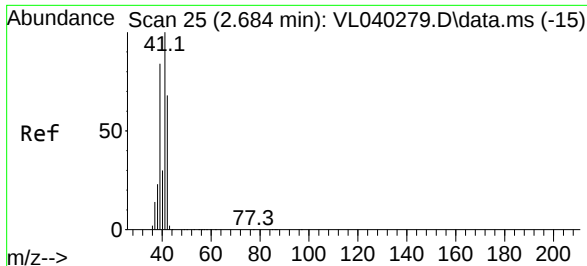
Tgt Ion: 64 Resp: 11026
Ion Ratio Lower Upper
64 100
66 29.5 25.5 38.3



#8
Dichlorotetrafluoroethane
Concen: 0.539 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 85 Resp: 80639
Ion Ratio Lower Upper
85 100
135 63.5 52.0 78.0

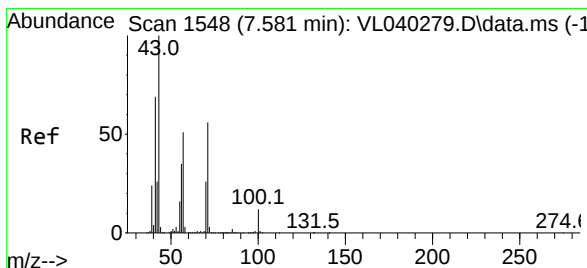
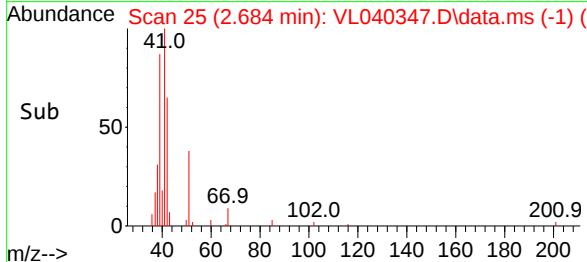
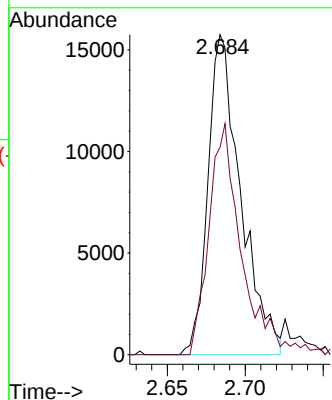
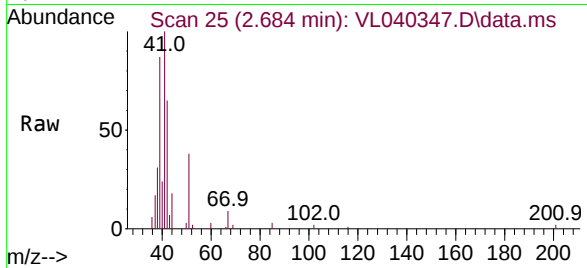




#9
 Propene
 Concen: 0.537 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

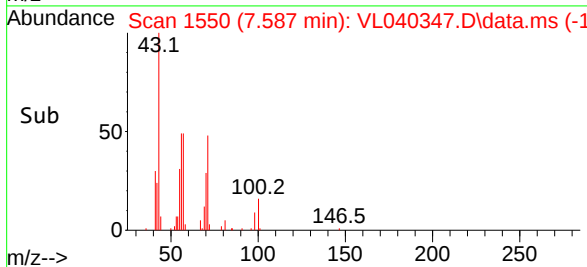
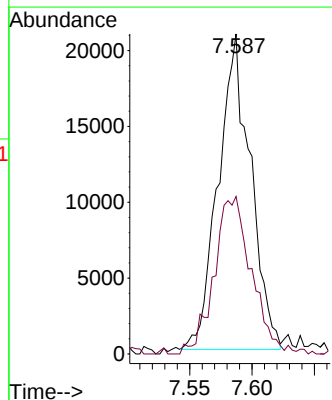
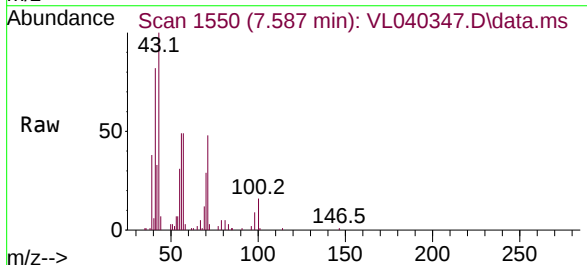
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Tgt Ion: 41 Resp: 23031
 Ion Ratio Lower Upper
 41 100
 42 72.4 59.0 88.4



#10
 Heptane
 Concen: 0.364 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 43 Resp: 37549
 Ion Ratio Lower Upper
 43 100
 57 58.1 41.7 62.5





#11

Trichlorofluoromethane

Concen: 0.510 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

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ClientSampleId :

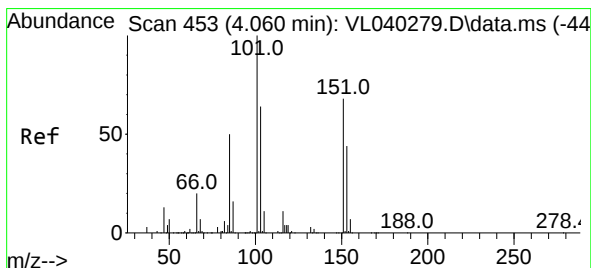
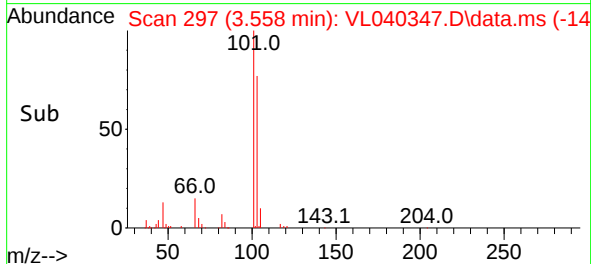
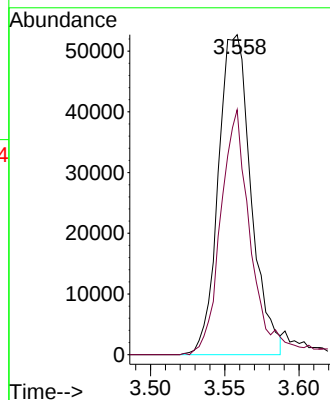
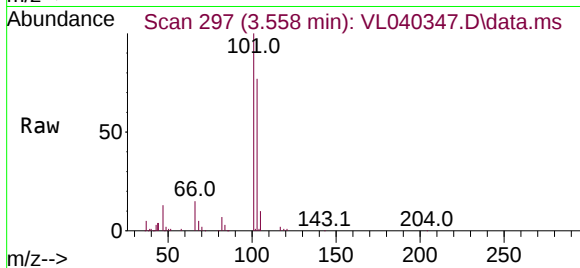
MDL-AIR-03-QT2-2023

Tgt Ion:101 Resp: 80749

Ion Ratio Lower Upper

101 100

103 76.5 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.490 ppbv

RT: 4.060 min Scan# 453

Delta R.T. -0.000 min

Lab File: VL040347.D

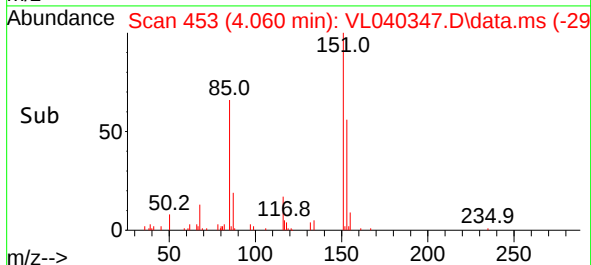
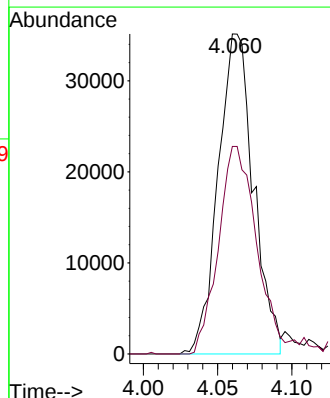
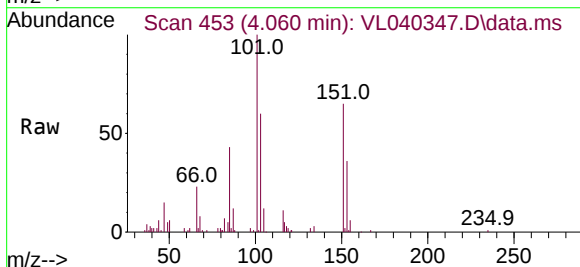
Acq: 12 Apr 2023 22:03

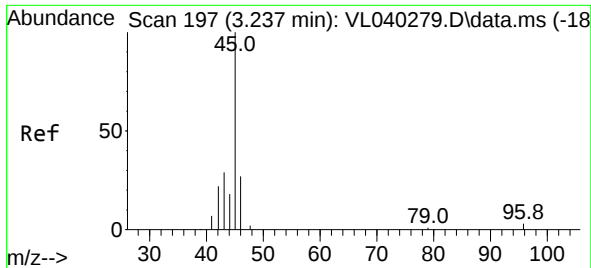
Tgt Ion:101 Resp: 58223

Ion Ratio Lower Upper

101 100

151 73.7 53.2 79.8





#13

Ethanol

Concen: 1.025 ppbv

RT: 3.246 min Scan# 200

Delta R.T. 0.009 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

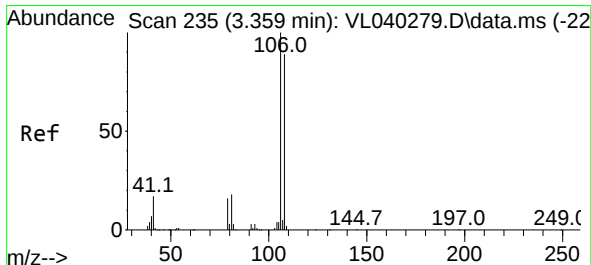
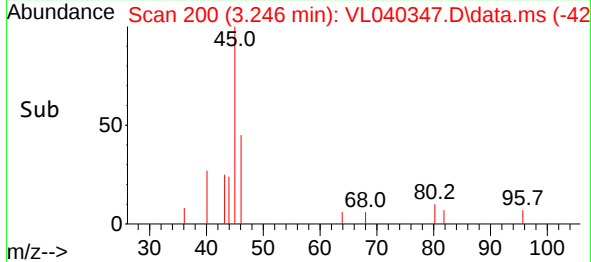
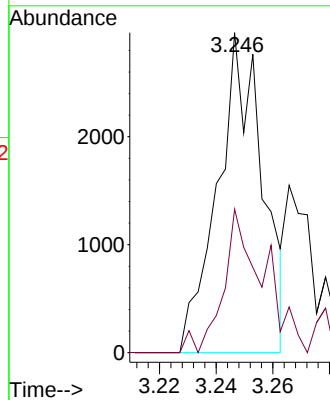
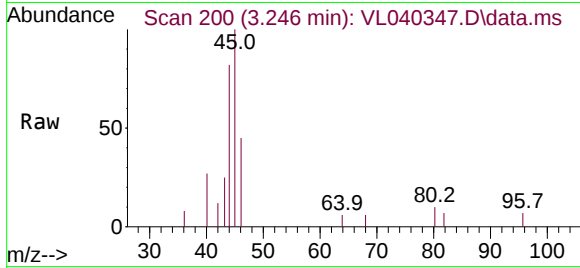
MDL-AIR-03-QT2-2023

Tgt Ion: 45 Resp: 3226

Ion Ratio Lower Upper

45 100

46 49.6 15.0 60.2



#14

Bromoethene

Concen: 0.483 ppbv

RT: 3.359 min Scan# 235

Delta R.T. 0.000 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

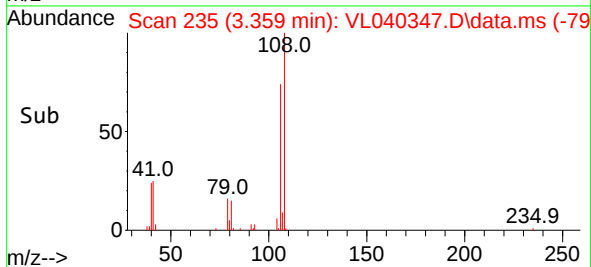
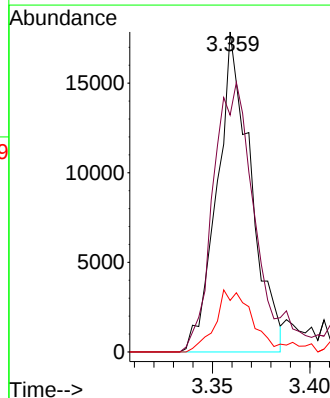
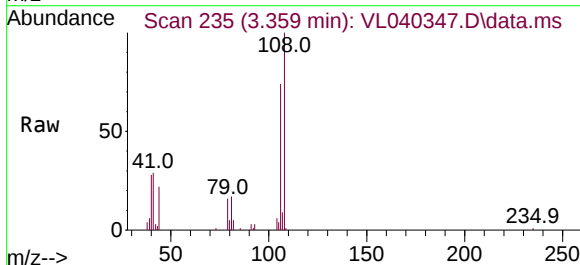
Tgt Ion: 108 Resp: 21416

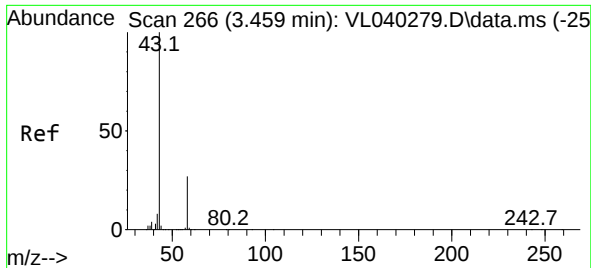
Ion Ratio Lower Upper

108 100

106 112.6 85.8 128.8

79 24.0 15.8 23.6#





#15

Acetone

Concen: 0.664 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

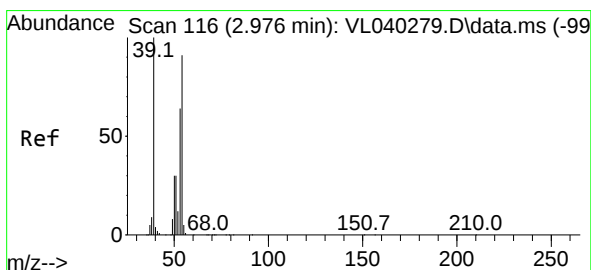
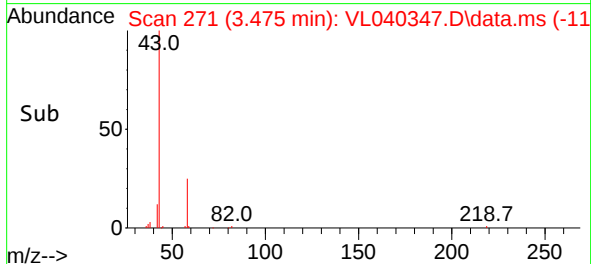
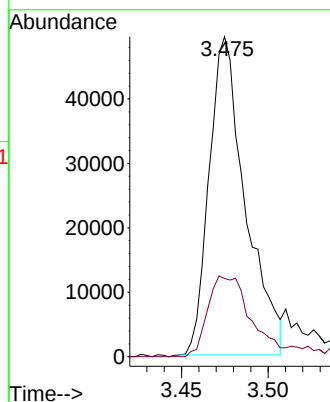
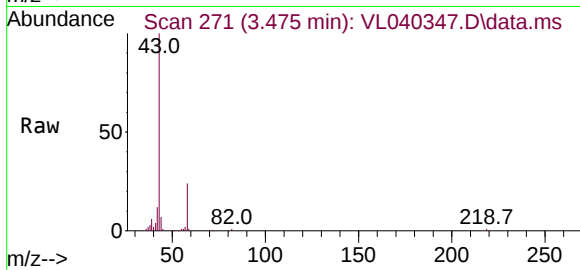
MDL-AIR-03-QT2-2023

Tgt Ion: 43 Resp: 71964

Ion Ratio Lower Upper

43 100

58 32.5 21.8 32.8



#16

1,3-Butadiene

Concen: 0.304 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.004 min

Lab File: VL040347.D

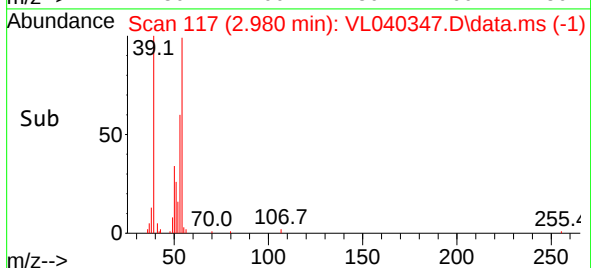
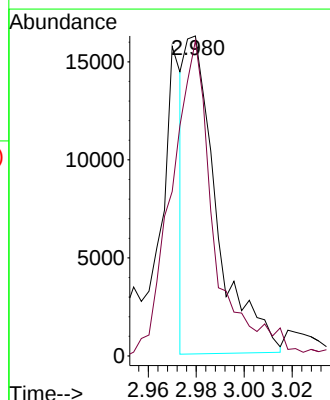
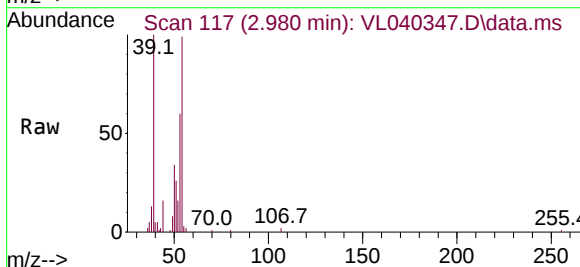
Acq: 12 Apr 2023 22:03

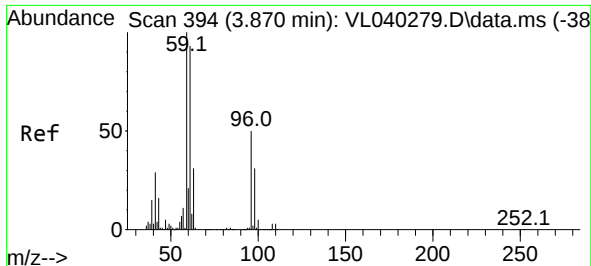
Tgt Ion: 39 Resp: 14997

Ion Ratio Lower Upper

39 100

54 132.8 68.4 102.6#

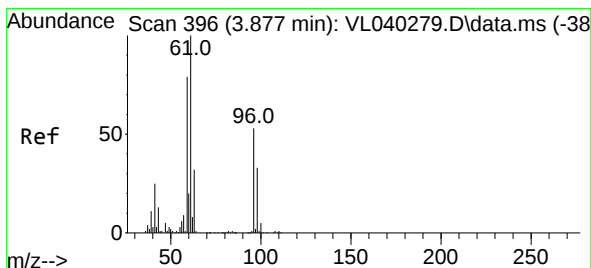
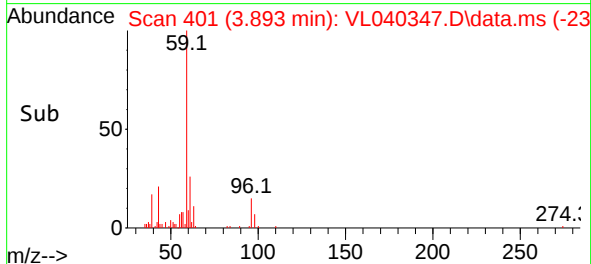
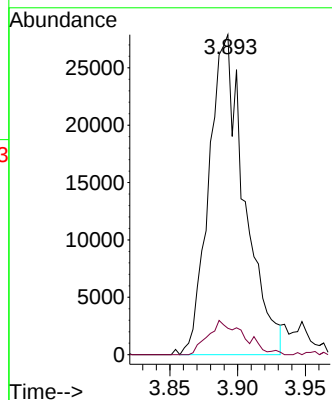
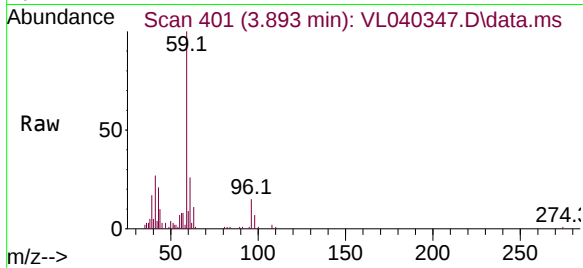




#17
tert-Butyl alcohol
Concen: 0.495 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.023 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

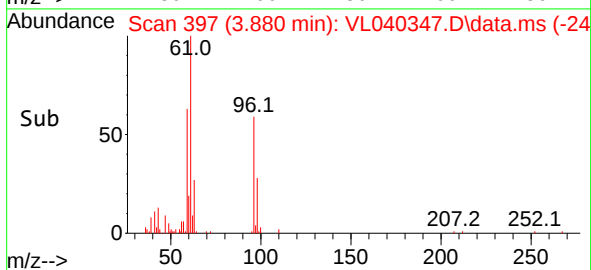
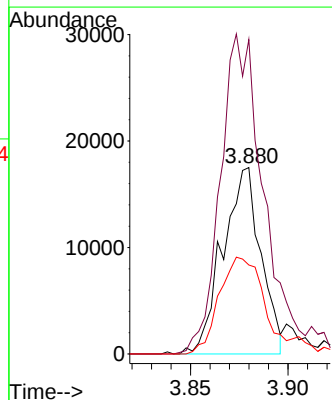
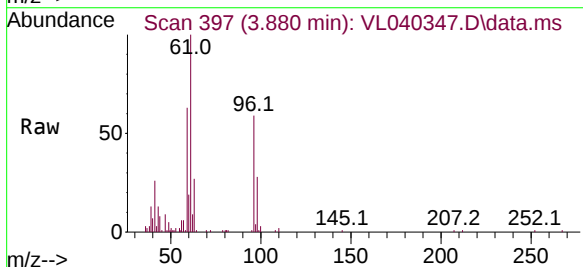
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

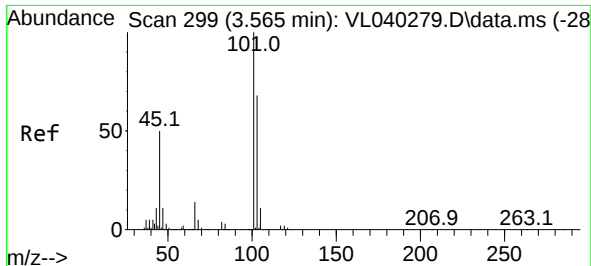
Tgt Ion: 59 Resp: 51026
Ion Ratio Lower Upper
59 100
57 11.2 8.5 12.7



#18
1,1-Dichloroethene
Concen: 0.465 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 96 Resp: 23732
Ion Ratio Lower Upper
96 100
61 167.8 150.6 226.0
98 47.7 50.3 75.5#





#19

Isopropyl Alcohol

Concen: 0.552 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.019 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

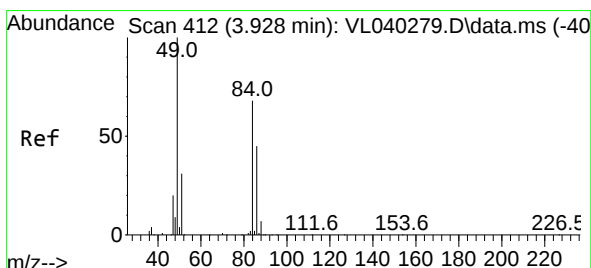
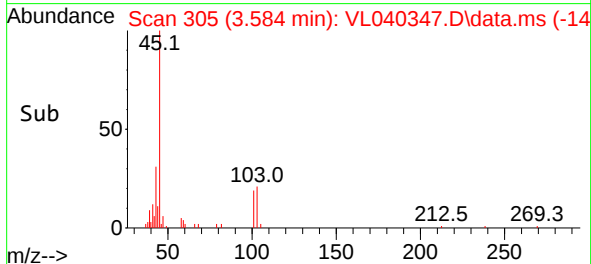
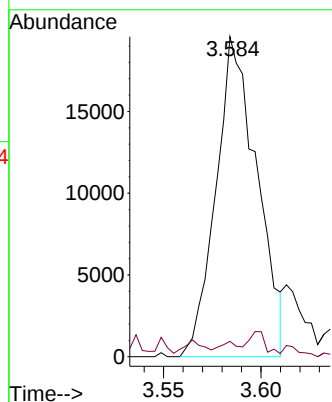
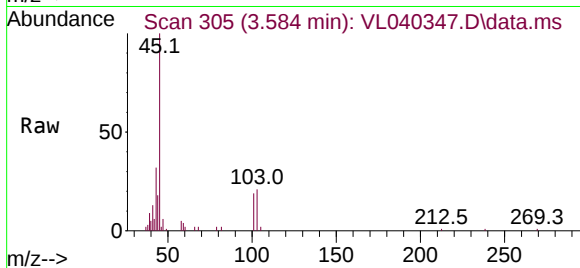
MDL-AIR-03-QT2-2023

Tgt Ion: 45 Resp: 28637

Ion Ratio Lower Upper

45 100

58 5.3 2.7 4.1#



#20

Methylene Chloride

Concen: 1.032 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Tgt Ion: 84 Resp: 47044

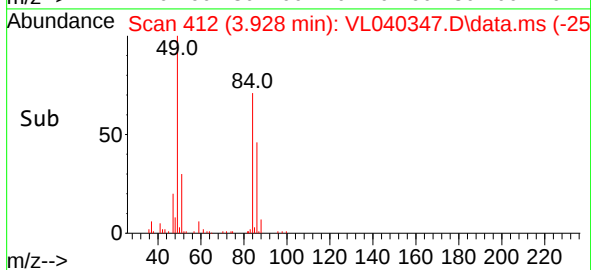
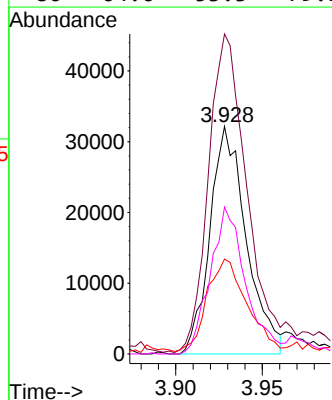
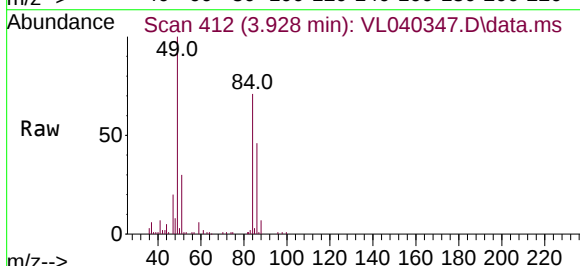
Ion Ratio Lower Upper

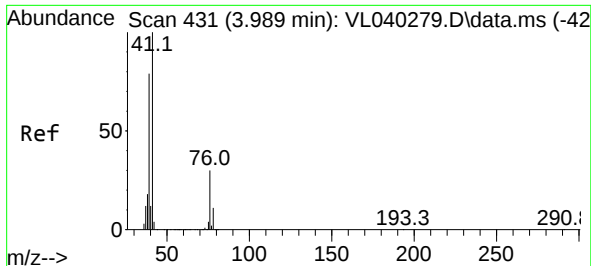
84 100

49 138.9 117.5 176.3

51 40.0 36.9 55.3

86 64.6 53.3 79.9

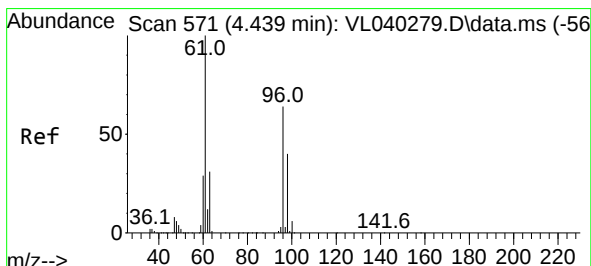
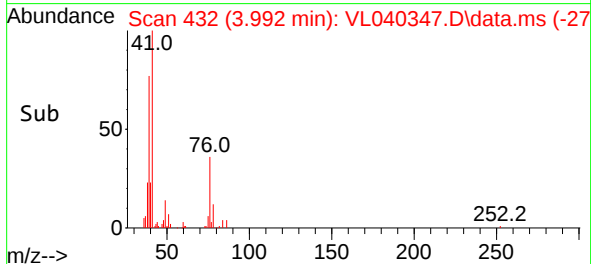
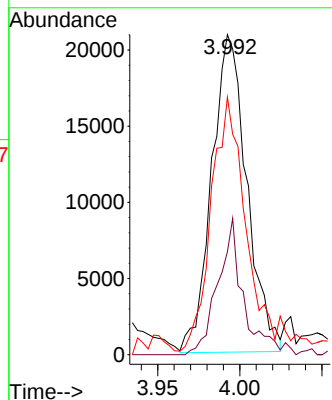
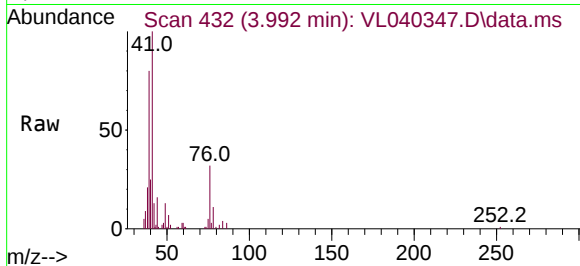




#21
 Allyl Chloride
 Concen: 0.442 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

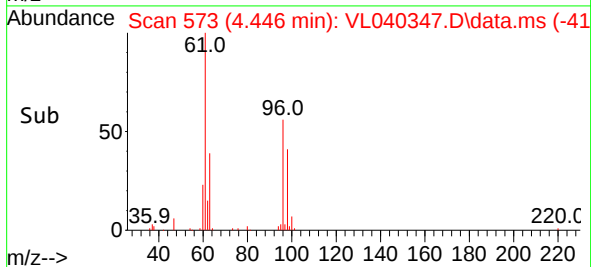
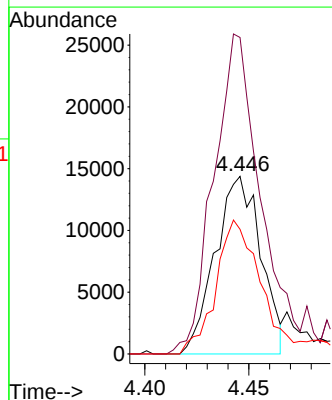
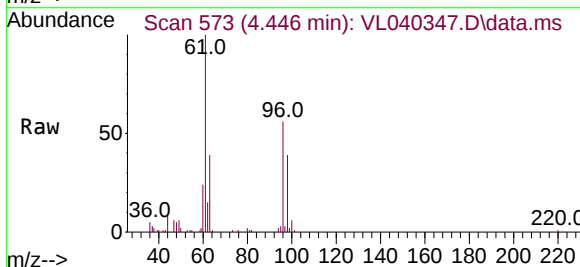
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

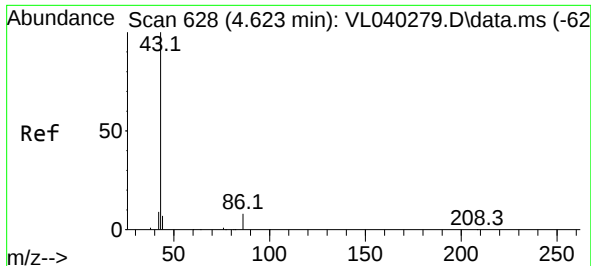
Tgt Ion: 41 Resp: 31052
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.4 38.0
 39 86.7 65.4 98.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.423 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.007 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 96 Resp: 21947
 Ion Ratio Lower Upper
 96 100
 61 171.6 125.4 188.2
 98 70.1 49.8 74.6

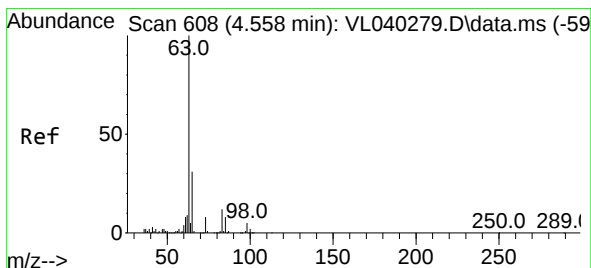
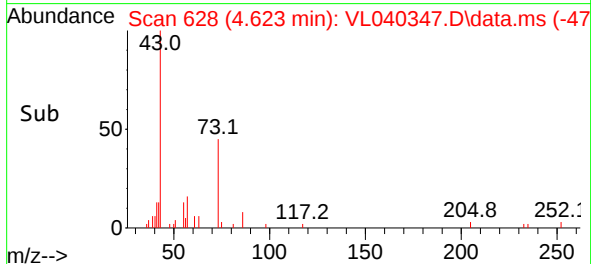
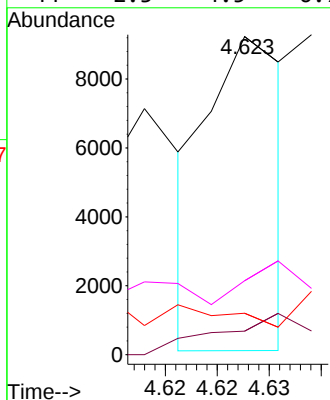
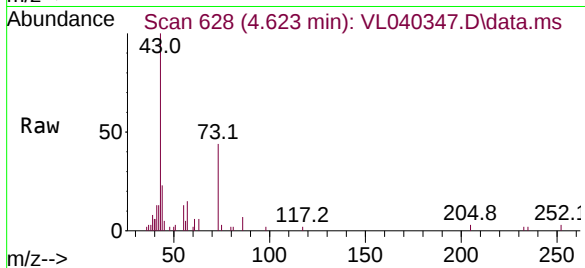




#23
 Vinyl Acetate
 Concen: 0.156 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

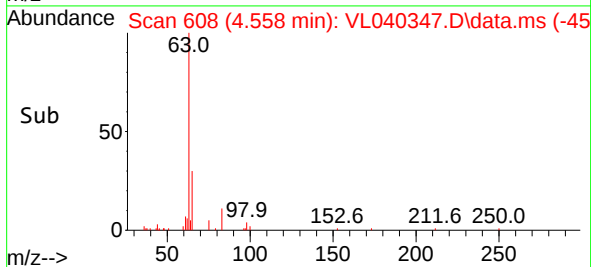
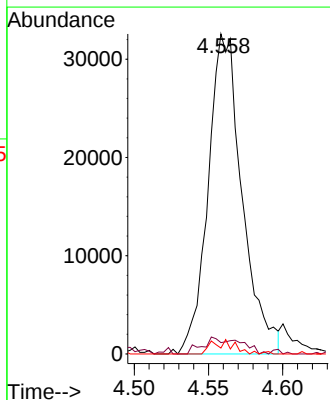
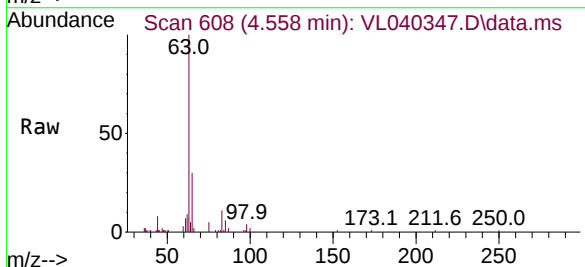
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT2-2023

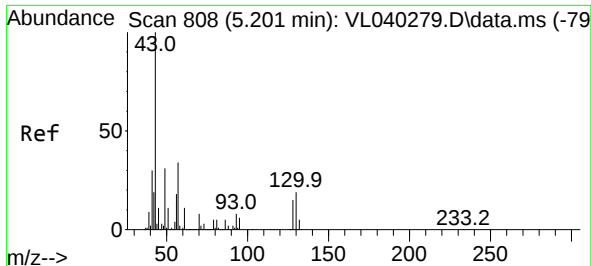
Tgt Ion:	43	Resp:	4717
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.4
42	12.1	9.1	13.7
44	2.3	4.5	6.7



#24
 1,1-Dichloroethane
 Concen: 0.482 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion:	63	Resp:	51854
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.4	7.2
100	1.9	1.2	3.6



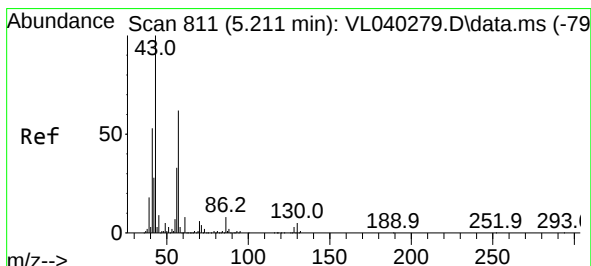
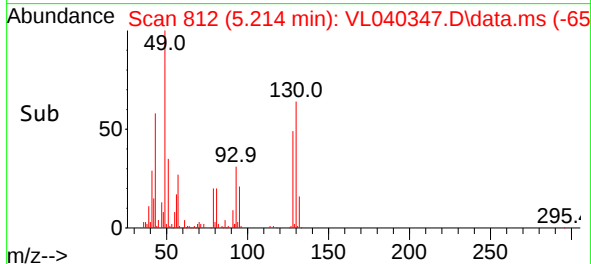
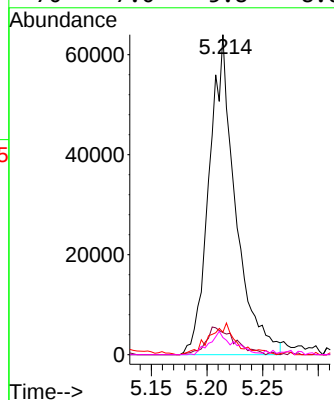
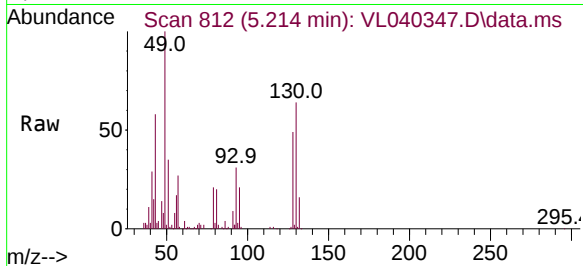


#25
Ethyl Acetate
Concen: 0.518 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.013 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 43 Resp: 105067

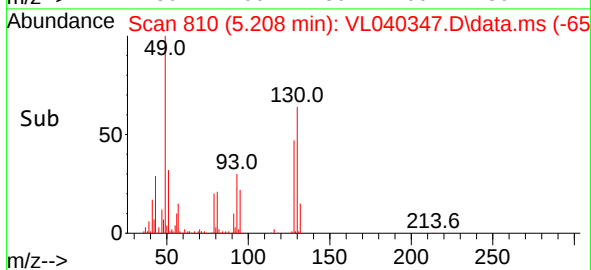
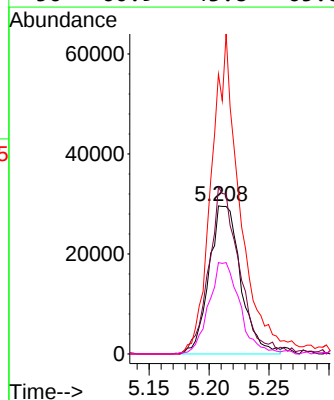
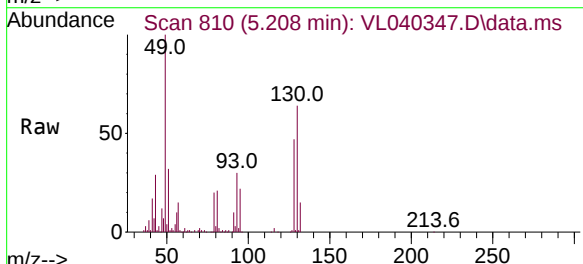
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.6	12.8
61	10.4	8.4	12.6
70	7.0	5.8	8.6

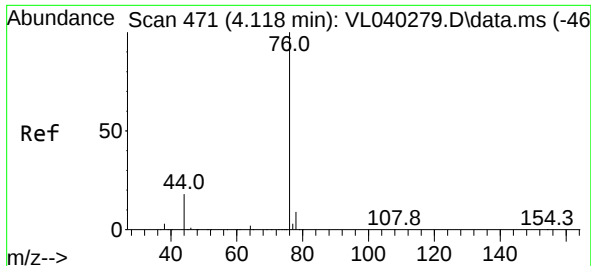


#26
Hexane
Concen: 0.652 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 57 Resp: 54281

Ion	Ratio	Lower	Upper
57	100		
41	110.1	73.5	110.3
43	202.3	196.3	294.5
56	60.9	43.8	65.8





#27

Carbon Disulfide

Concen: 0.376 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

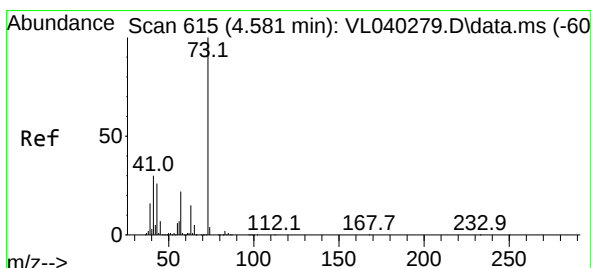
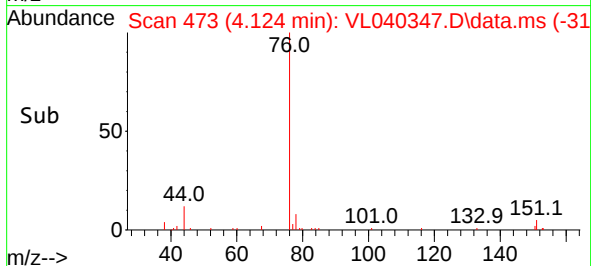
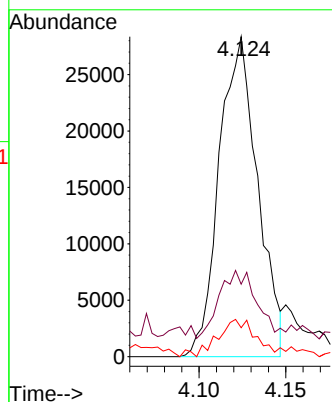
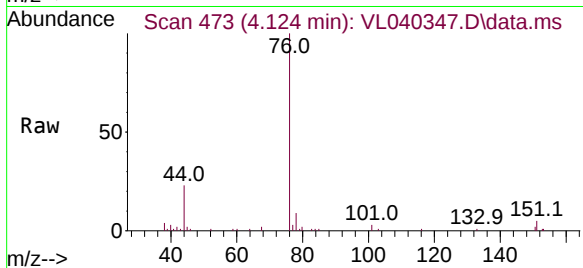
Tgt Ion: 76 Resp: 43792

Ion Ratio Lower Upper

76 100

44 27.4 15.2 22.8#

78 13.7 7.6 11.4#



#28

Methyl tert-Butyl Ether

Concen: 0.408 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.016 min

Lab File: VL040347.D

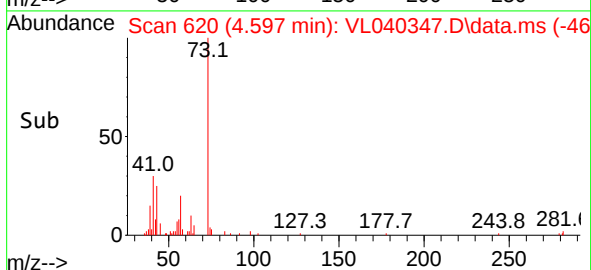
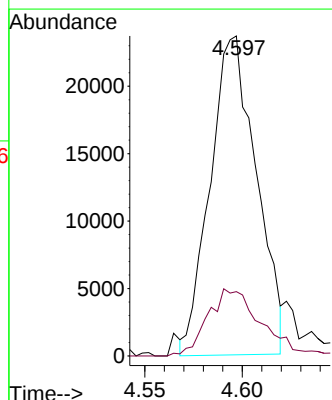
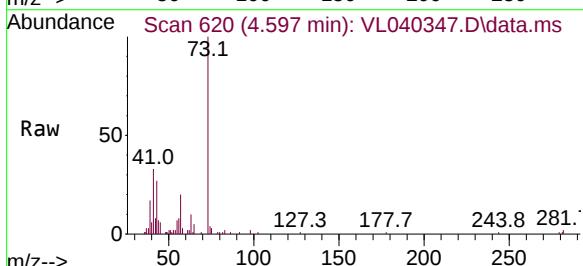
Acq: 12 Apr 2023 22:03

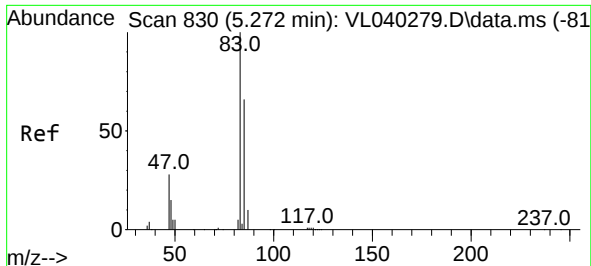
Tgt Ion: 73 Resp: 39030

Ion Ratio Lower Upper

73 100

57 24.2 18.4 27.6





#29

Chloroform

Concen: 0.531 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

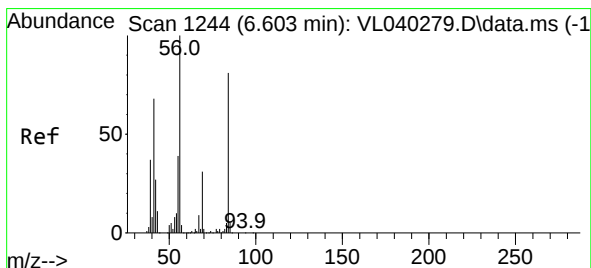
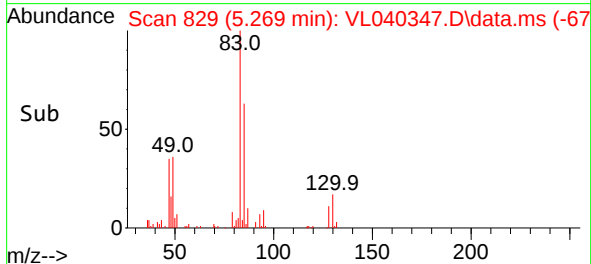
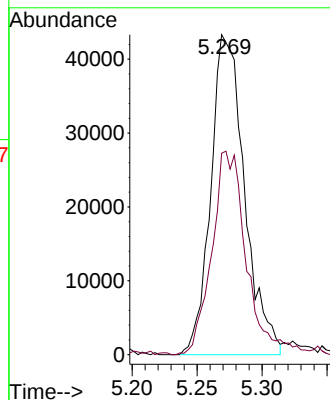
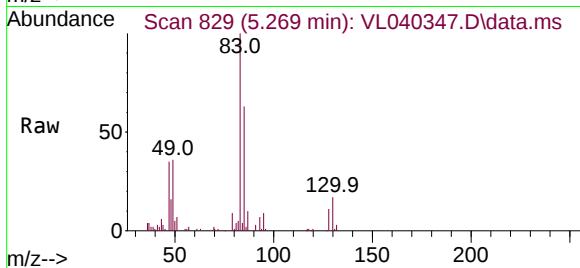
MDL-AIR-03-QT2-2023

Tgt Ion: 83 Resp: 78085

Ion Ratio Lower Upper

83 100

85 62.4 52.8 79.2



#30

Cyclohexane

Concen: 0.181 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.007 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

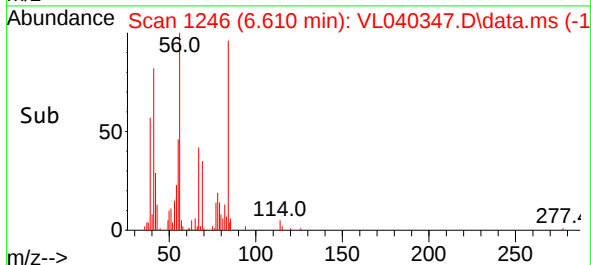
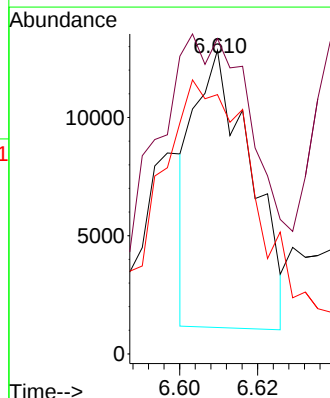
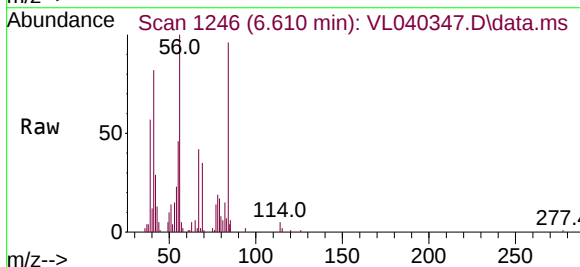
Tgt Ion: 84 Resp: 11891

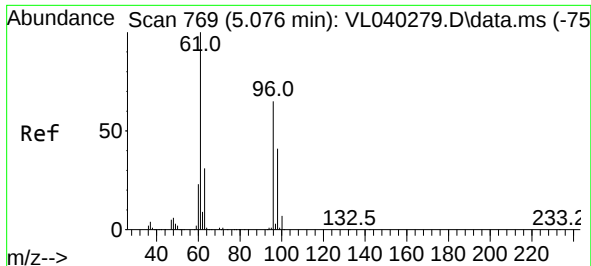
Ion Ratio Lower Upper

84 100

56 227.7 109.0 163.4#

41 207.5 67.9 101.9#

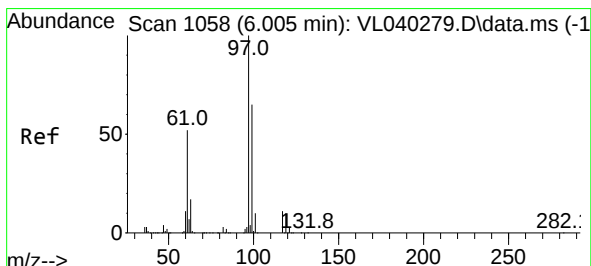
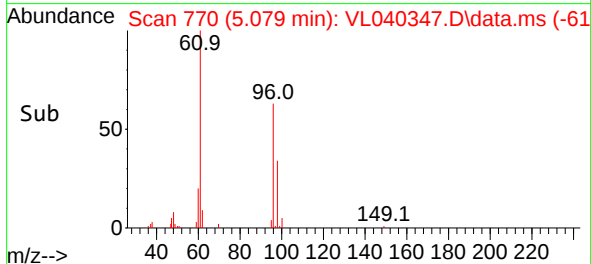
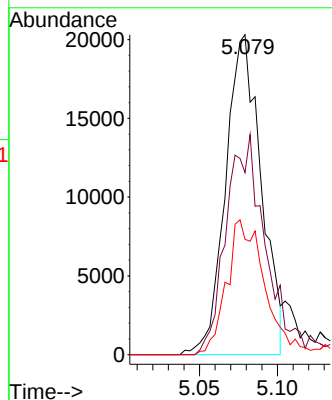
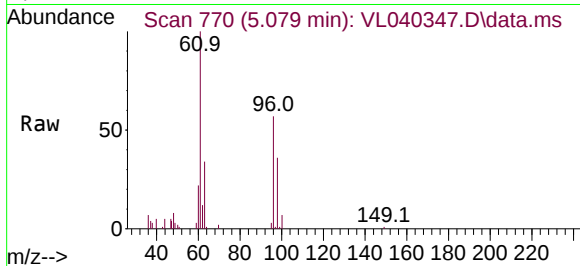




#31
 cis-1,2-Dichloroethene
 Concen: 0.397 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

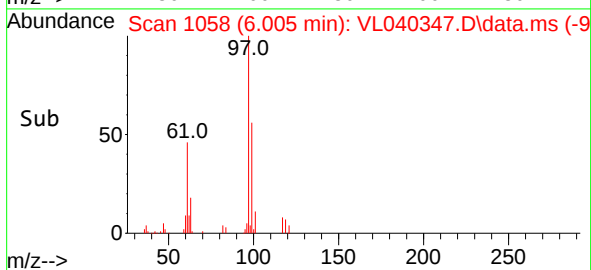
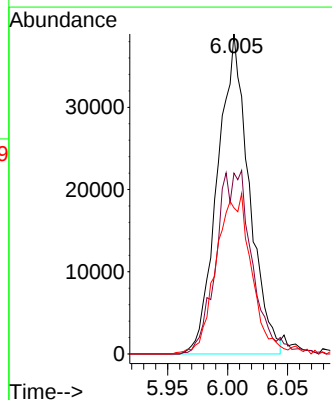
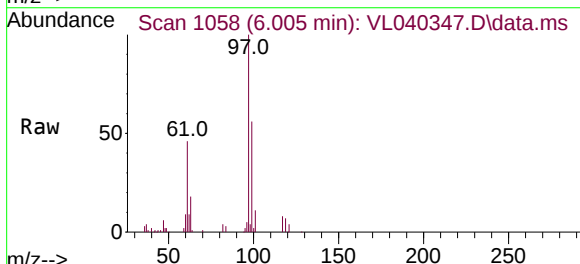
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

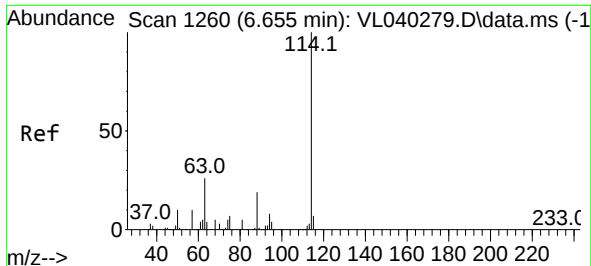
Tgt Ion: 61 Resp: 32242
 Ion Ratio Lower Upper
 61 100
 96 56.9 51.8 77.8
 98 36.0 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.505 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 97 Resp: 71162
 Ion Ratio Lower Upper
 97 100
 99 65.7 52.2 78.2
 61 56.7 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

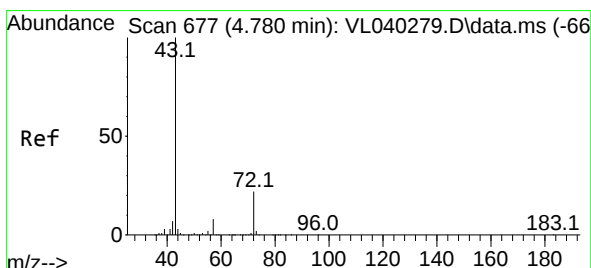
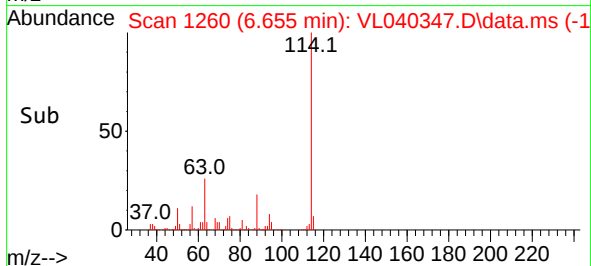
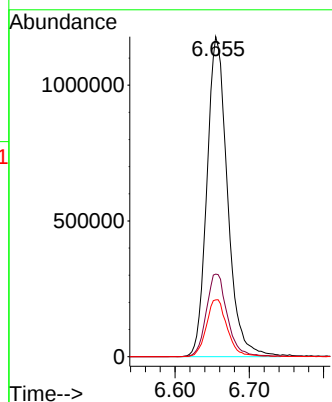
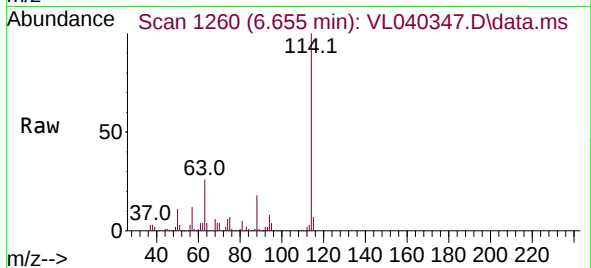
Tgt Ion:114 Resp: 2265524

Ion Ratio Lower Upper

114 100

63 26.7 21.2 31.8

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 0.493 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040347.D

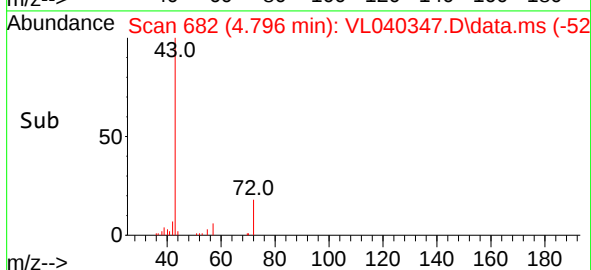
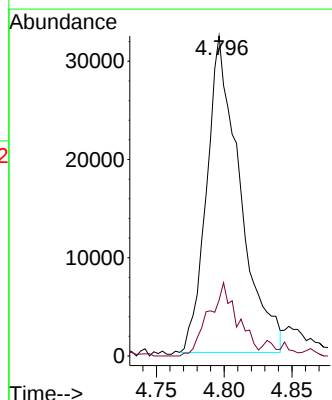
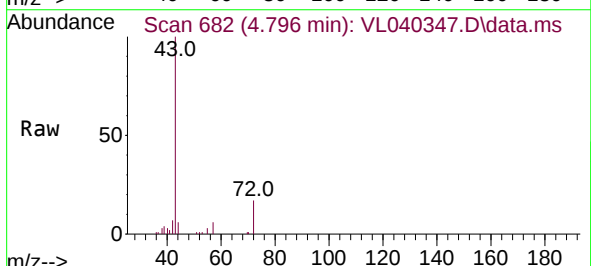
Acq: 12 Apr 2023 22:03

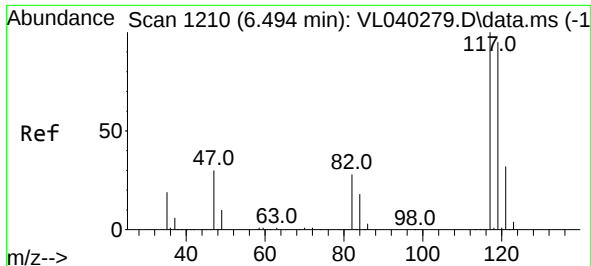
Tgt Ion: 43 Resp: 55106

Ion Ratio Lower Upper

43 100

72 24.3 18.3 27.5

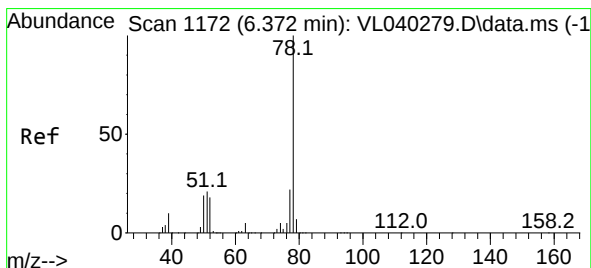
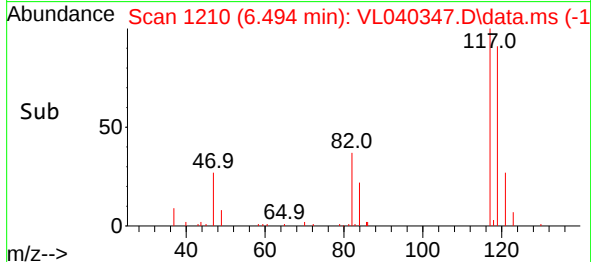
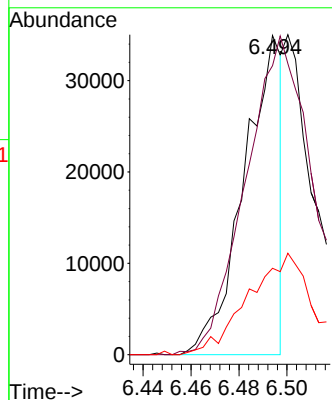
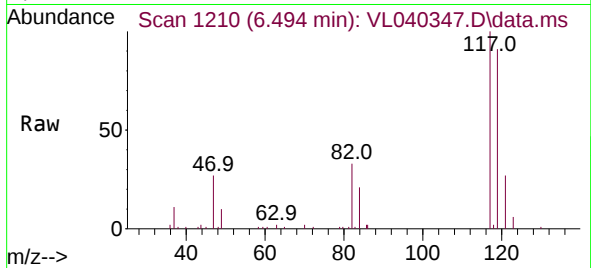




#35
Carbon Tetrachloride
Concen: 0.270 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

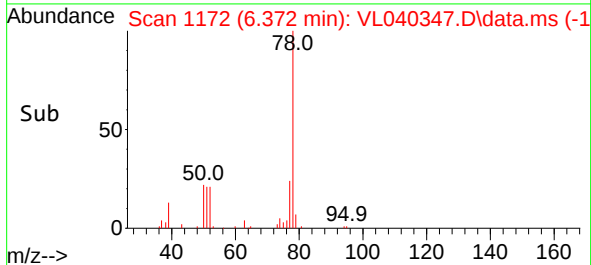
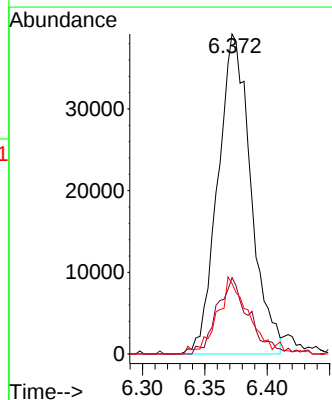
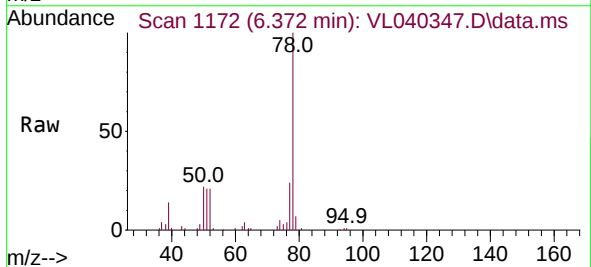
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

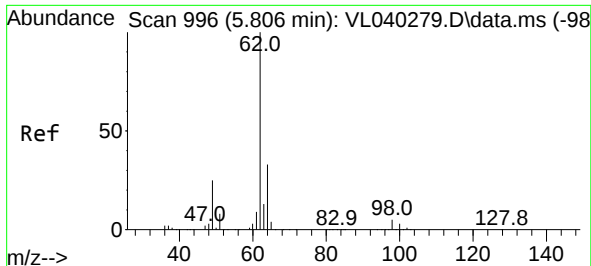
Tgt Ion: 117 Resp: 38381
Ion Ratio Lower Upper
117 100
119 89.5 76.4 114.6
121 27.1 25.6 38.4



#36
Benzene
Concen: 0.417 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 78 Resp: 72033
Ion Ratio Lower Upper
78 100
77 23.8 17.8 26.8
50 22.0 15.4 23.2

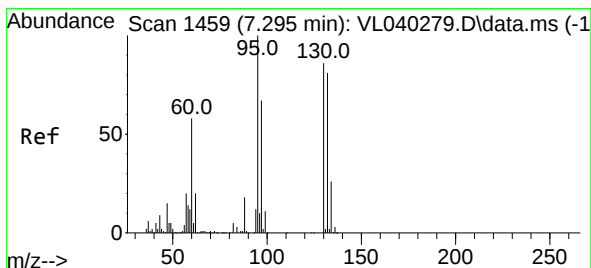
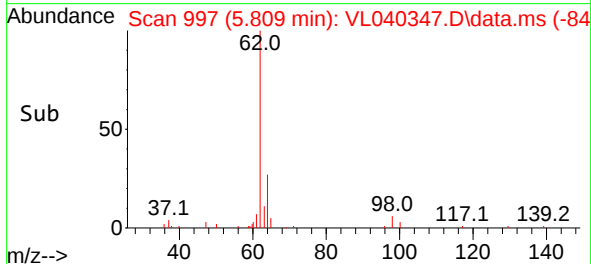
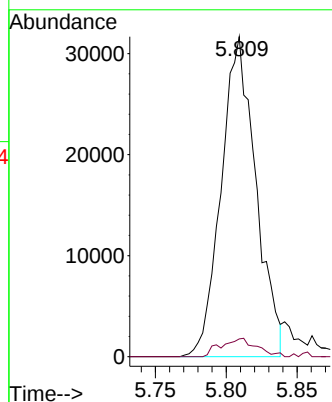
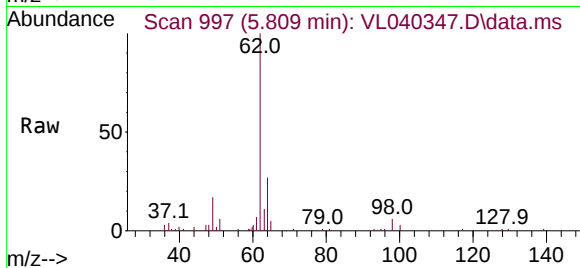




#37
1,2-Dichloroethane
Concen: 0.480 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

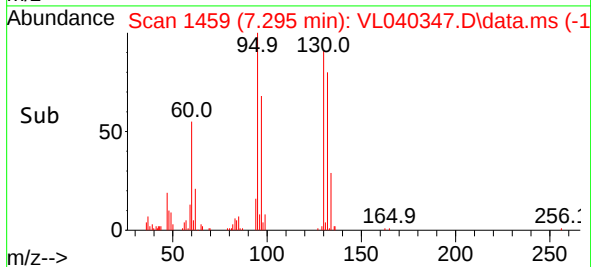
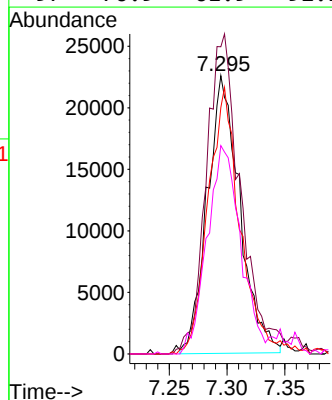
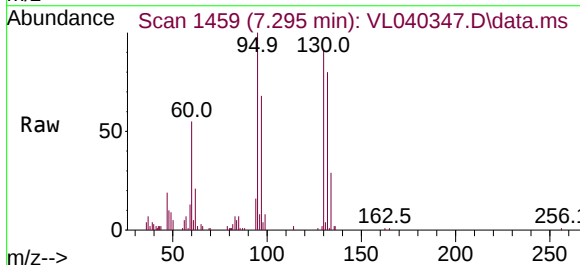
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

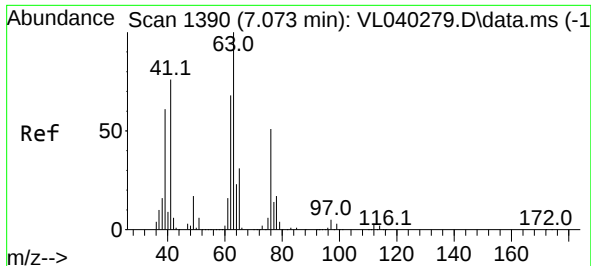
Tgt Ion: 62 Resp: 53944
Ion Ratio Lower Upper
62 100
98 6.3 4.3 6.5



#38
Trichloroethene
Concen: 0.468 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:130 Resp: 44184
Ion Ratio Lower Upper
130 100
95 111.3 93.0 139.4
132 89.4 75.3 112.9
97 76.9 61.9 92.9





#39

1,2-Dichloropropane

Concen: 0.454 ppbv

RT: 7.076 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

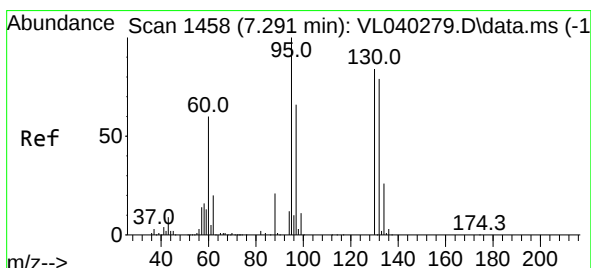
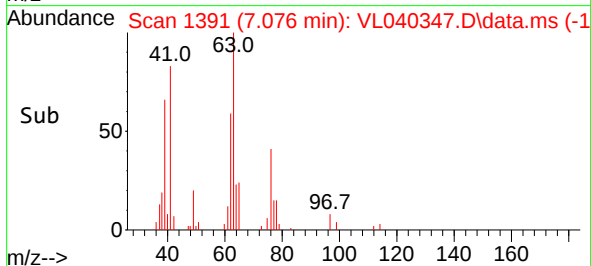
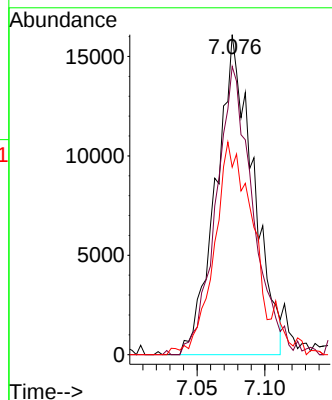
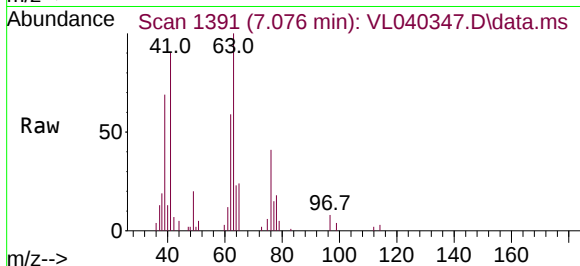
Tgt Ion: 63 Resp: 30777

Ion Ratio Lower Upper

63 100

41 90.1 60.8 91.2

62 57.2 54.1 81.1



#40

1,4-Dioxane

Concen: 0.039 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.013 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Tgt Ion: 88 Resp: 1045

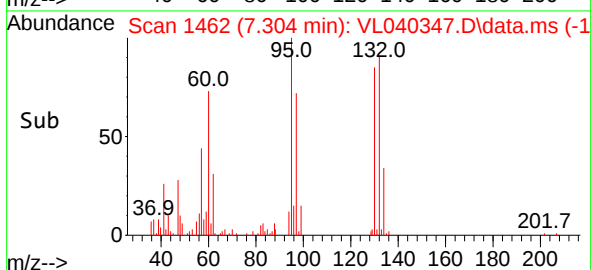
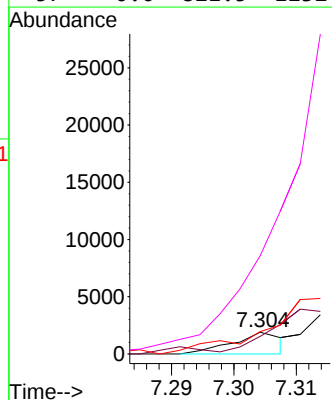
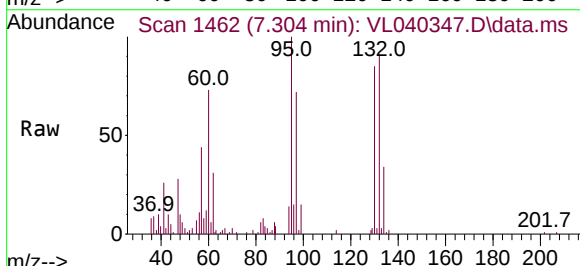
Ion Ratio Lower Upper

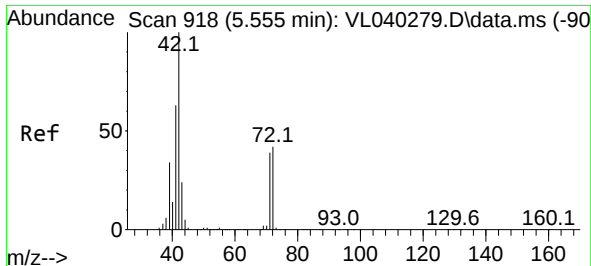
88 100

58 0.0 96.0 144.0#

43 0.0 187.6 281.4#

57 0.0 821.5 1232.3#





#41

Tetrahydrofuran

Concen: 0.362 ppbv

RT: 5.584 min Scan# 918

Delta R.T. 0.029 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

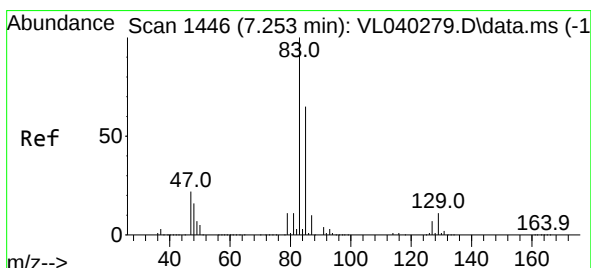
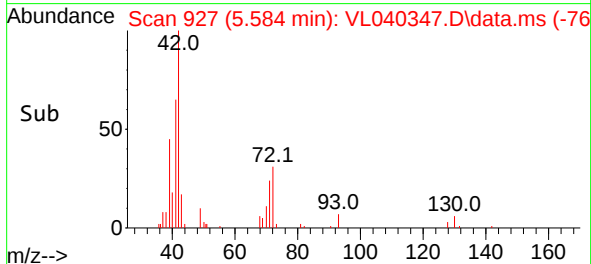
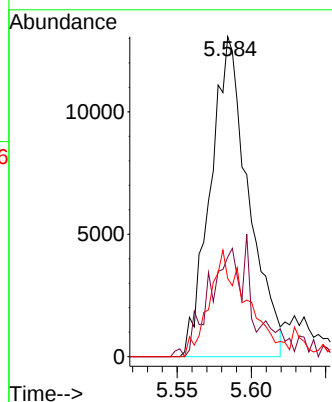
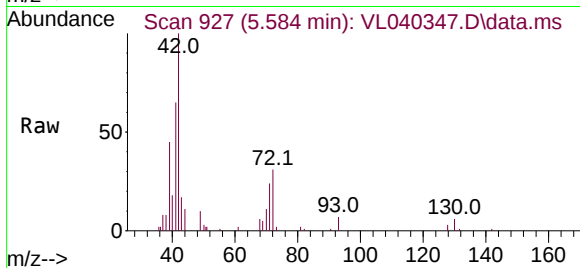
Tgt Ion: 42 Resp: 23388

Ion Ratio Lower Upper

42 100

72 42.1 32.6 49.0

71 37.3 31.0 46.4



#42

Bromodichloromethane

Concen: 0.453 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

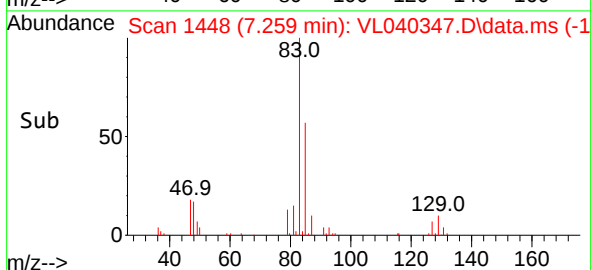
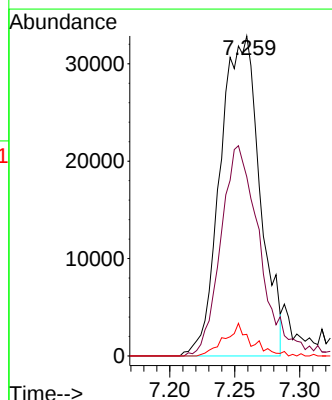
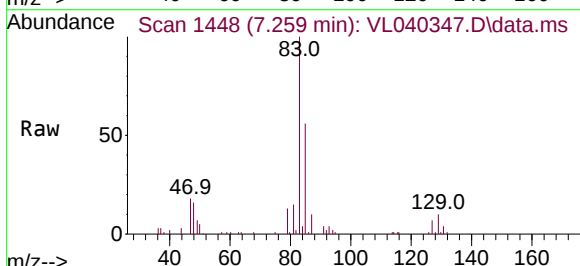
Tgt Ion: 83 Resp: 69532

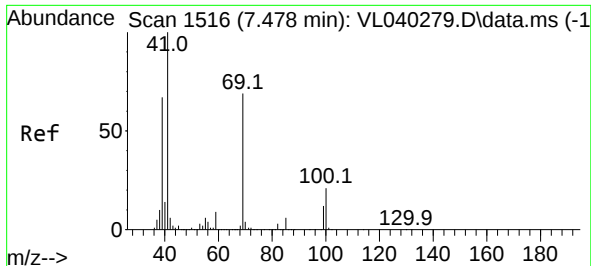
Ion Ratio Lower Upper

83 100

85 56.0 52.1 78.1

127 6.8 5.8 8.6

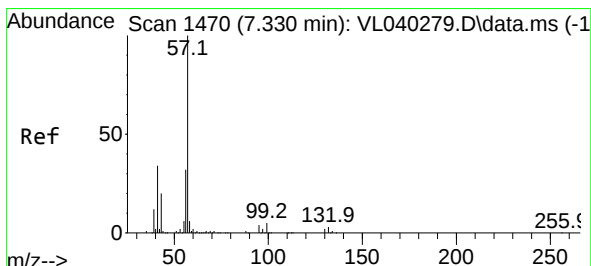
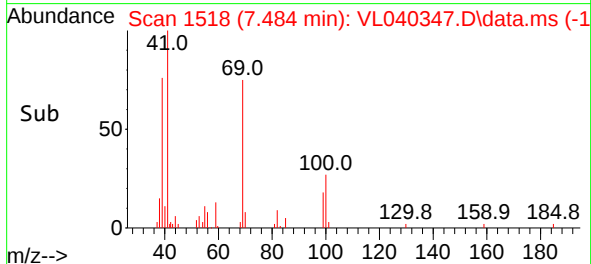
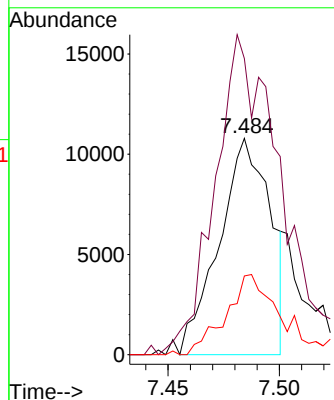
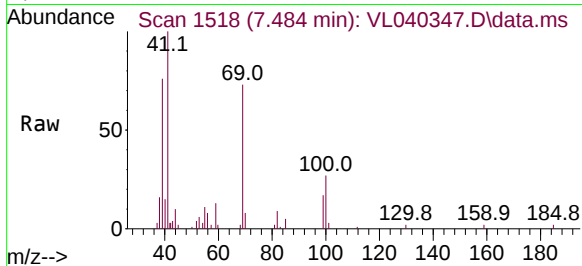




#43
Methyl Methacrylate
Concen: 0.269 ppbv
RT: 7.484 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

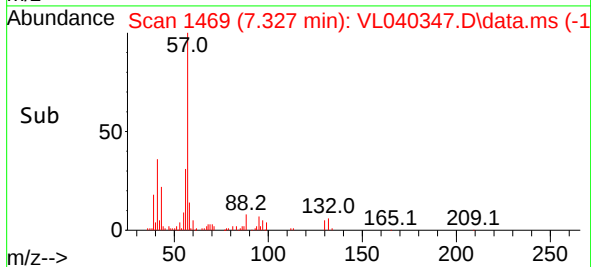
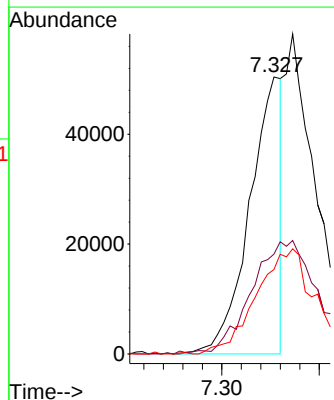
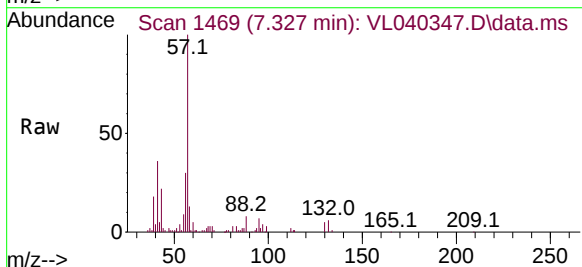
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

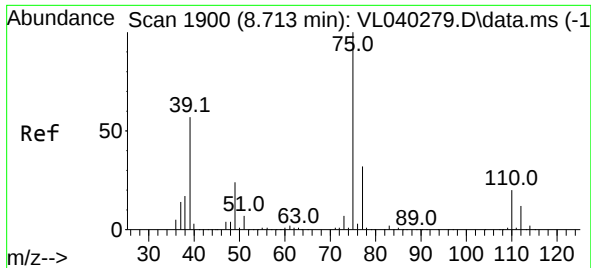
Tgt Ion: 69 Resp: 17267
Ion Ratio Lower Upper
69 100
41 193.3 116.9 175.3#
100 39.9 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 0.200 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 57 Resp: 57578
Ion Ratio Lower Upper
57 100
41 0.0 26.8 40.2#
56 0.0 25.0 37.6#

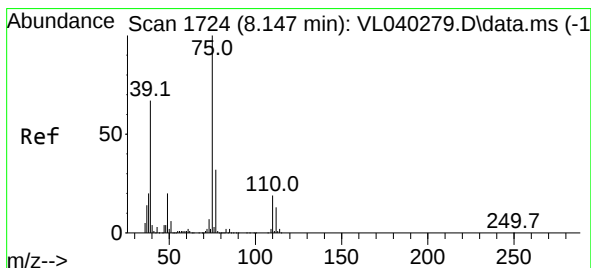
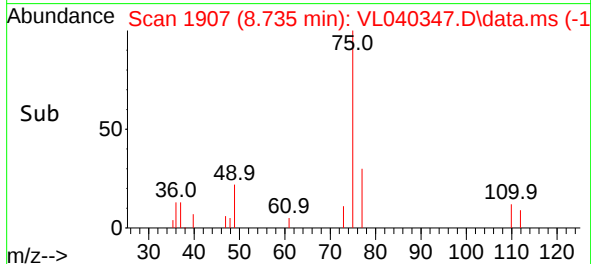
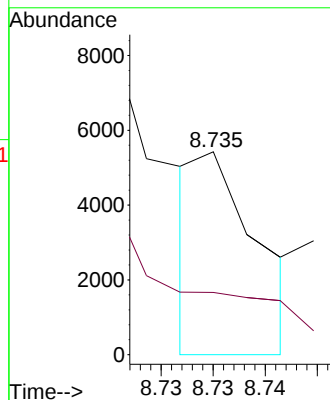
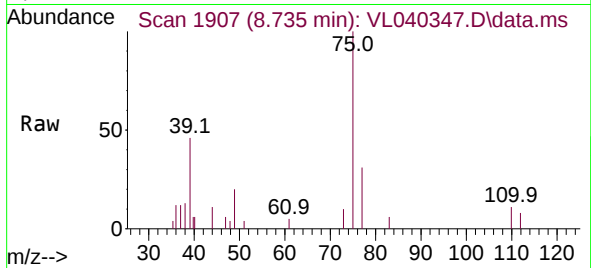




#45
 t-1,3-Dichloropropene
 Concen: 0.039 ppbv
 RT: 8.735 min Scan# 1907
 Delta R.T. 0.022 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

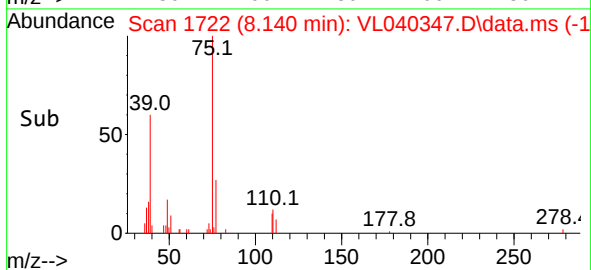
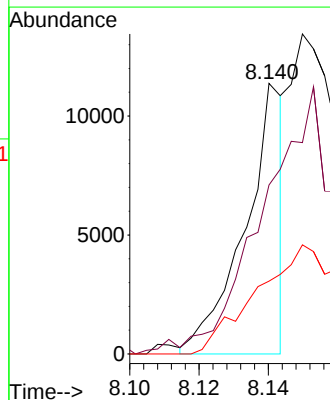
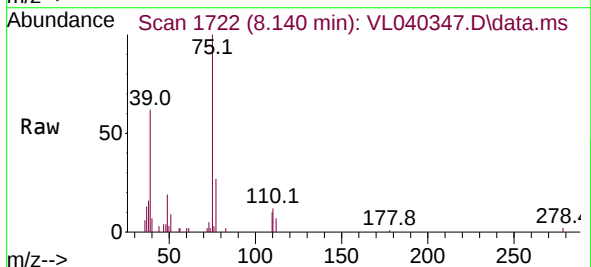
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

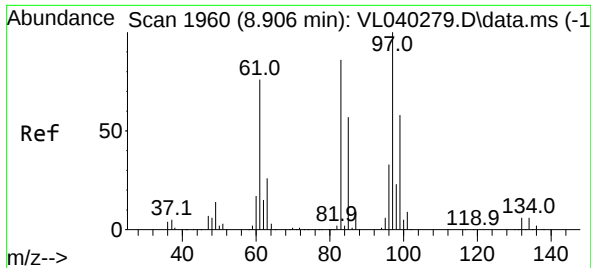
Tgt Ion: 75 Resp: 2167
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 0.110 ppbv
 RT: 8.140 min Scan# 1722
 Delta R.T. -0.007 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion: 75 Resp: 8753
 Ion Ratio Lower Upper
 75 100
 39 61.5 53.9 80.9
 77 27.6 25.3 37.9

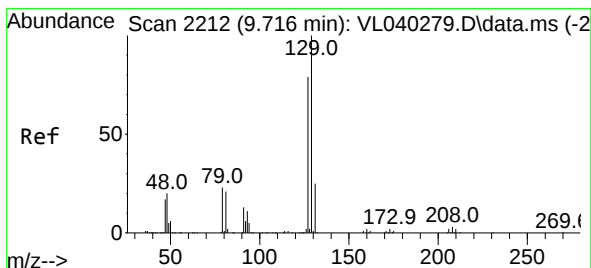
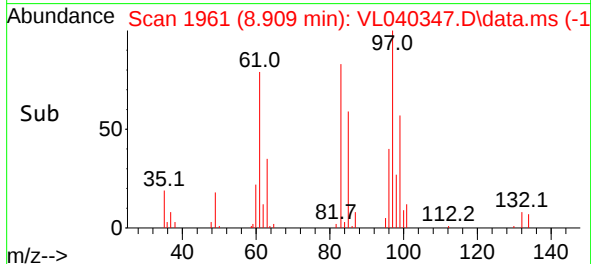
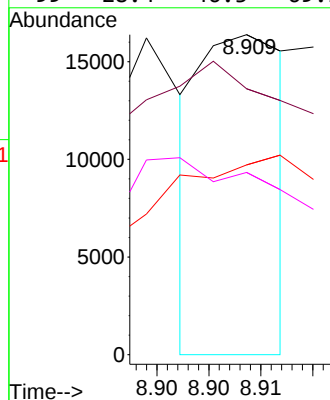
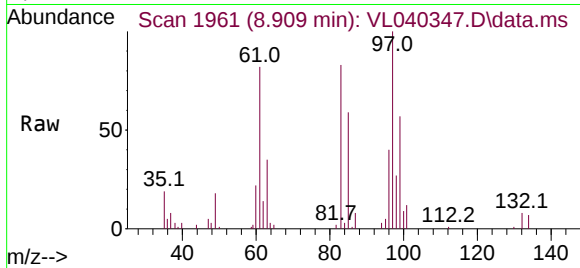




#47
1,1,2-Trichloroethane
Concen: 0.128 ppbv
RT: 8.909 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

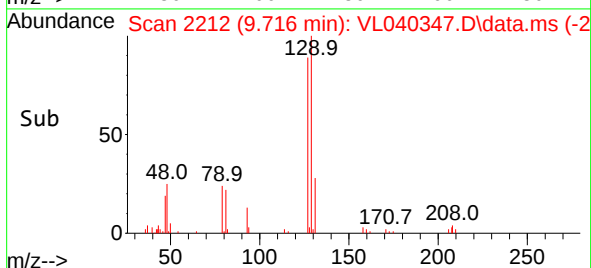
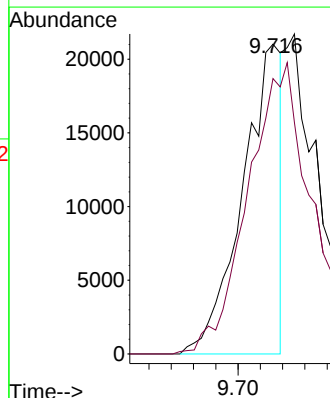
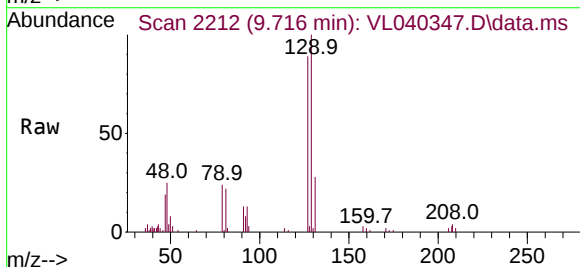
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

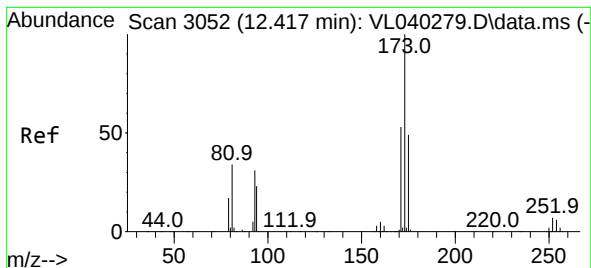
Tgt Ion:	97	Resp:	9216
Ion	Ratio	Lower	Upper
97	100		
83	19.6	68.6	103.0#
85	16.8	46.0	69.0#
99	28.4	46.3	69.5#



#48
Dibromochloromethane
Concen: 0.214 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:	129	Resp:	25505
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.5#





#49

Bromoform

Concen: 0.255 ppbv

RT: 12.413 min Scan# 3052

Delta R.T. -0.004 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

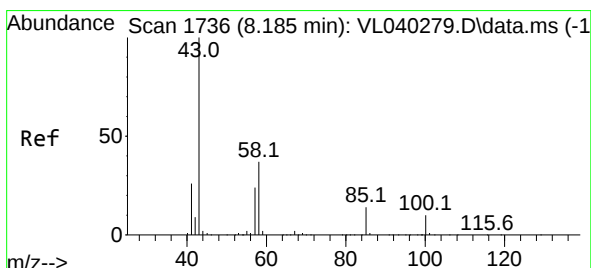
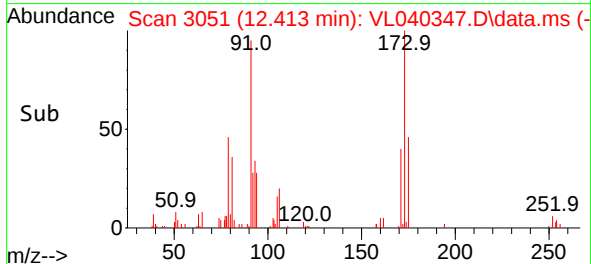
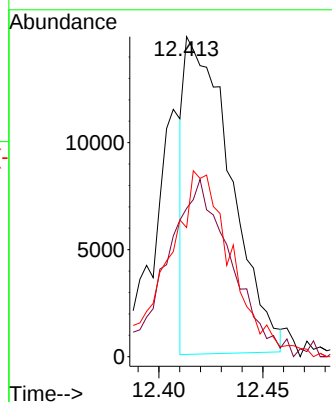
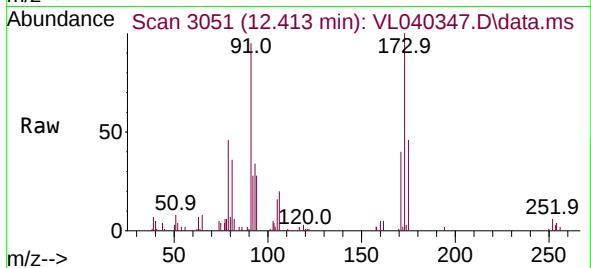
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion:173	Resp:	22784
Ion Ratio	Lower	Upper
173	100	
175	79.6	39.8 59.8#
171	81.9	42.2 63.4#



#50

4-Methyl-2-Pentanone

Concen: 0.381 ppbv

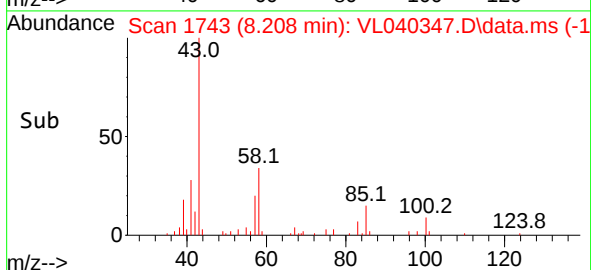
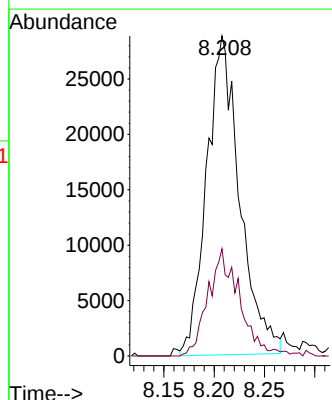
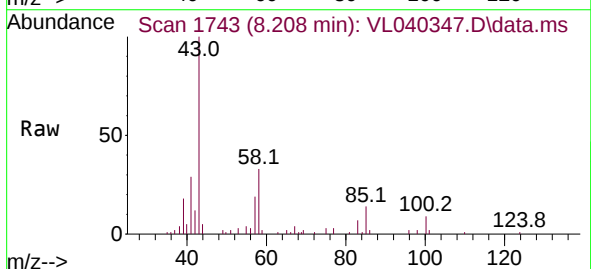
RT: 8.208 min Scan# 1743

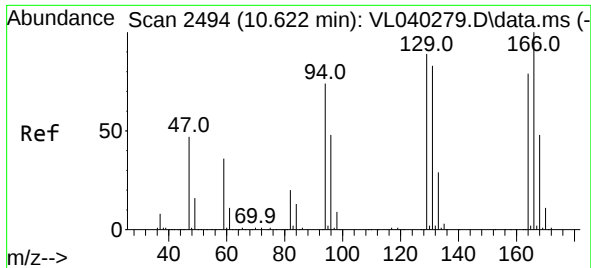
Delta R.T. 0.023 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

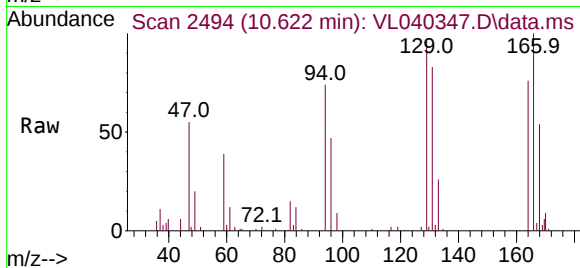
Tgt Ion: 43	Resp:	65932
Ion Ratio	Lower	Upper
43	100	
58	32.4	29.2 43.8



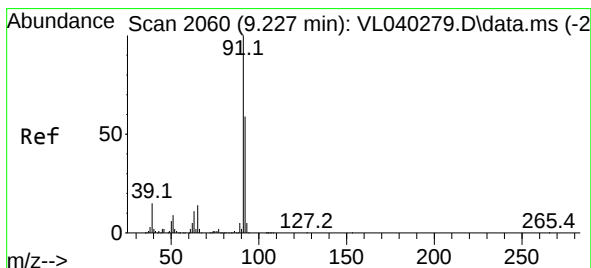
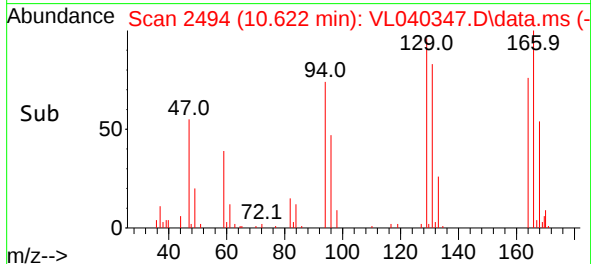
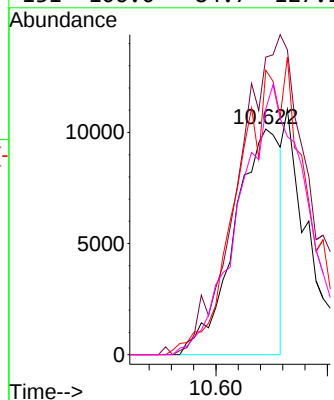


#52
Tetrachloroethene
Concen: 0.279 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

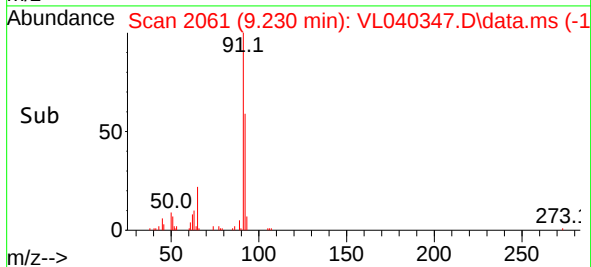
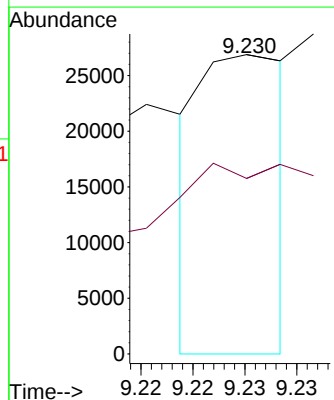
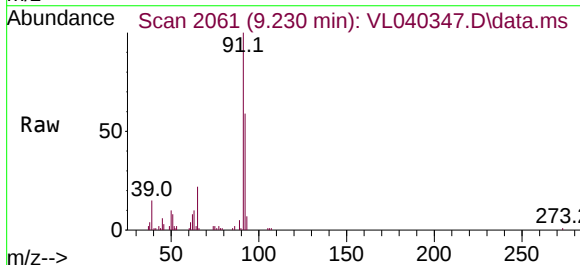


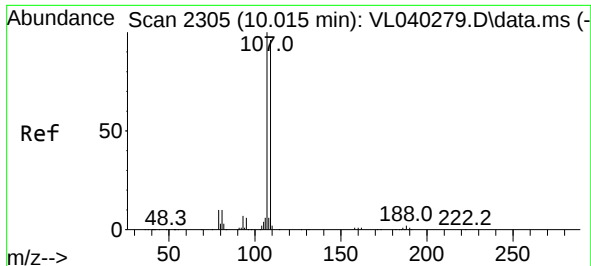
Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.8	152.6
129	123.8	90.2	135.2
131	106.0	84.7	127.1



#53
Toluene
Concen: 0.085 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	236.5	48.0	72.0#

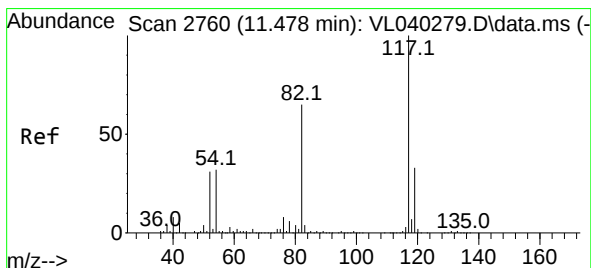
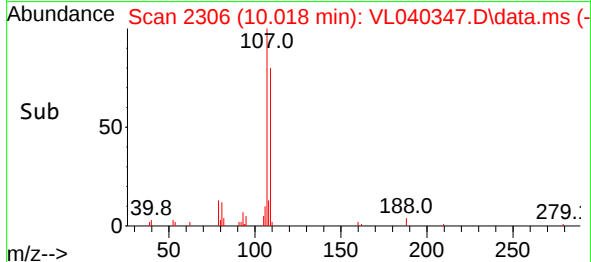
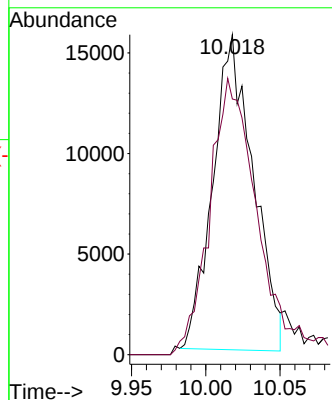
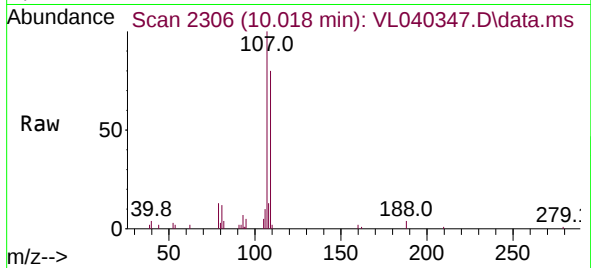




#54
1,2-Dibromoethane
Concen: 0.398 ppbv
RT: 10.018 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

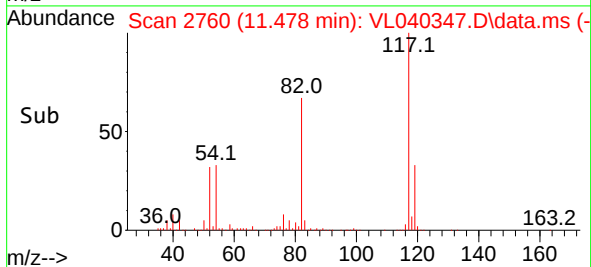
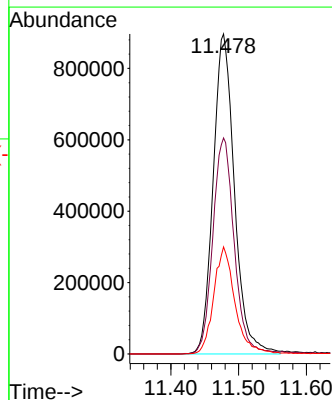
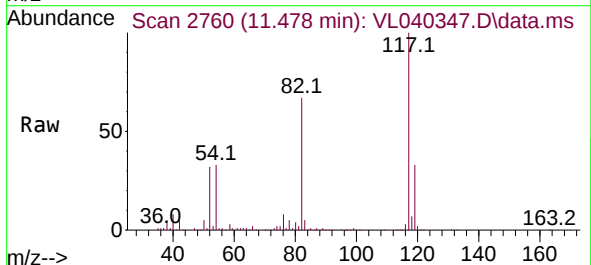
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

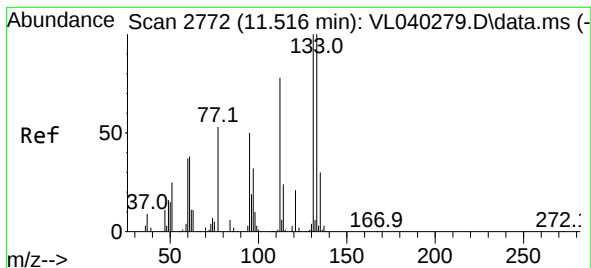
Tgt Ion:107 Resp: 29632
Ion Ratio Lower Upper
107 100
109 77.2 77.0 115.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:117 Resp: 1956086
Ion Ratio Lower Upper
117 100
82 68.3 51.4 77.2
119 33.9 24.0 36.0

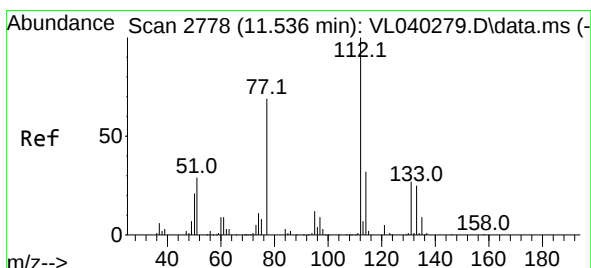
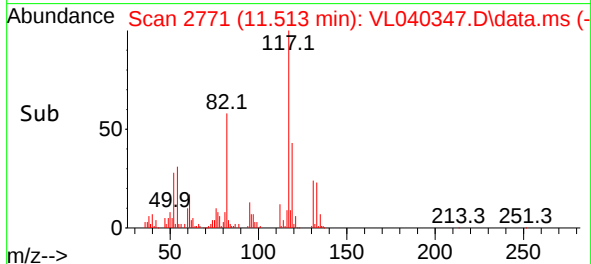
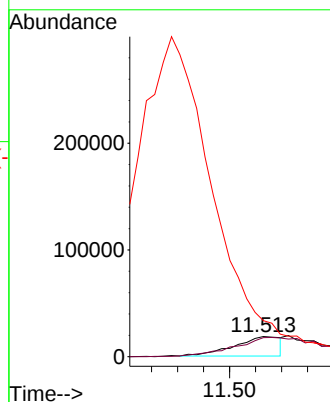
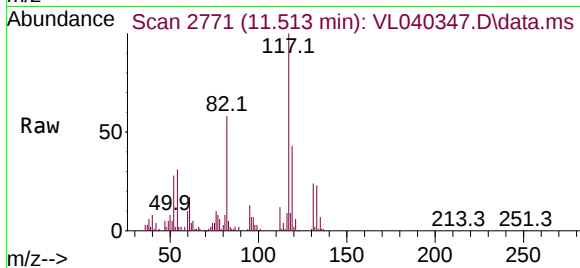




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.274 ppbv
 RT: 11.513 min Scan# 2772
 Delta R.T. -0.003 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

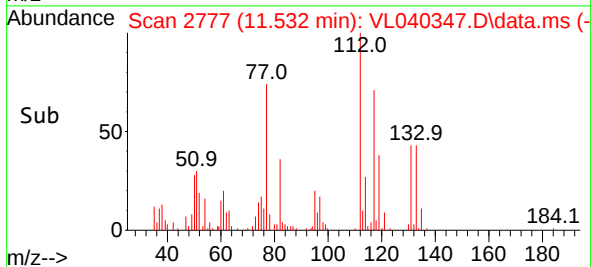
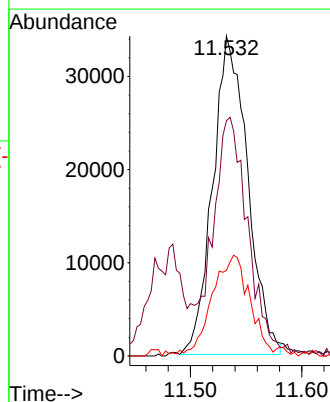
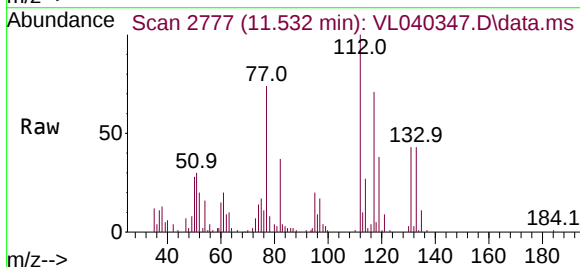
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

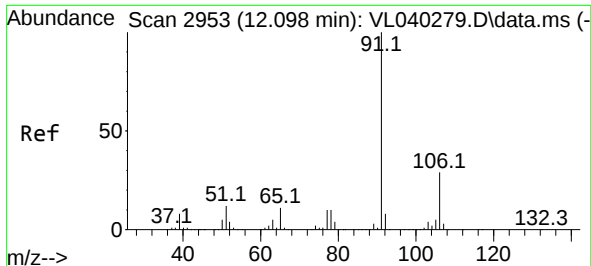
Tgt Ion:131 Resp: 22550
 Ion Ratio Lower Upper
 131 100
 133 189.1 76.5 114.7#
 119 0.0 47.9 71.9#



#57
 Chlorobenzene
 Concen: 0.536 ppbv
 RT: 11.532 min Scan# 2777
 Delta R.T. -0.004 min
 Lab File: VL040347.D
 Acq: 12 Apr 2023 22:03

Tgt Ion:112 Resp: 74543
 Ion Ratio Lower Upper
 112 100
 77 71.2 56.2 84.2
 114 27.5 29.0 35.4#





#58

Ethyl Benzene

Concen: 0.364 ppbv

RT: 12.108 min Scan# 2953

Delta R.T. 0.010 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

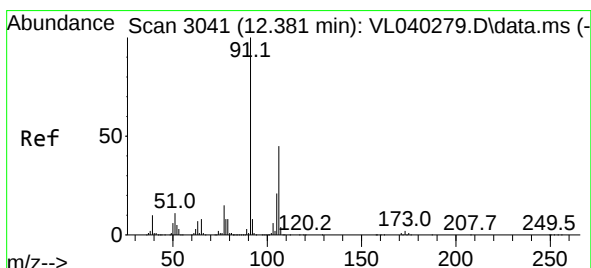
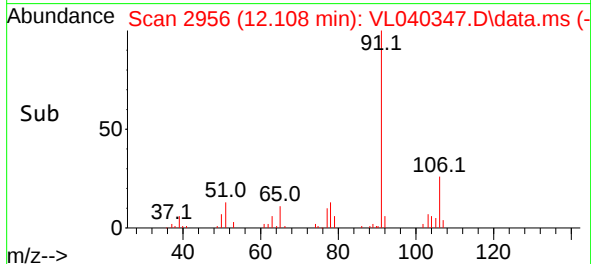
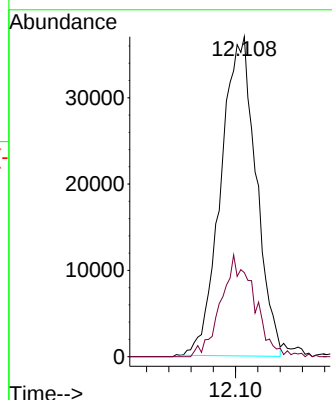
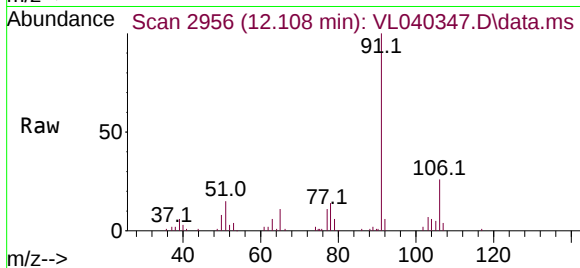
MDL-AIR-03-QT2-2023

Tgt Ion: 91 Resp: 81171

Ion Ratio Lower Upper

91 100

106 26.4 23.4 35.2



#59

m/p-Xylene

Concen: 0.187 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VL040347.D

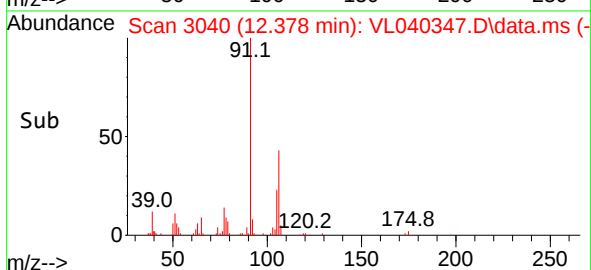
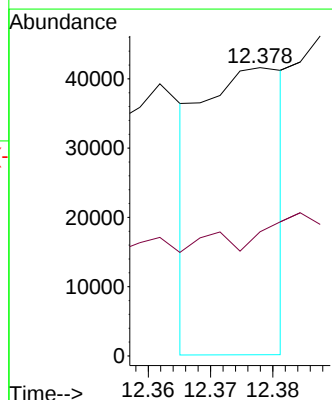
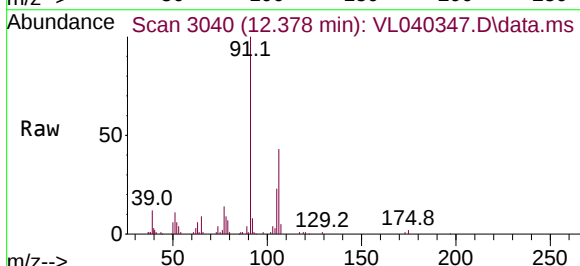
Acq: 12 Apr 2023 22:03

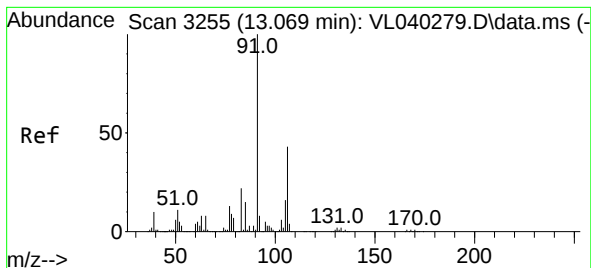
Tgt Ion: 91 Resp: 38087

Ion Ratio Lower Upper

91 100

106 0.0 34.0 51.0#





#60

o-Xylene

Concen: 0.393 ppbv

RT: 13.072 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

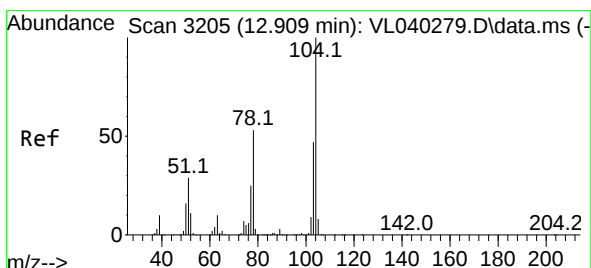
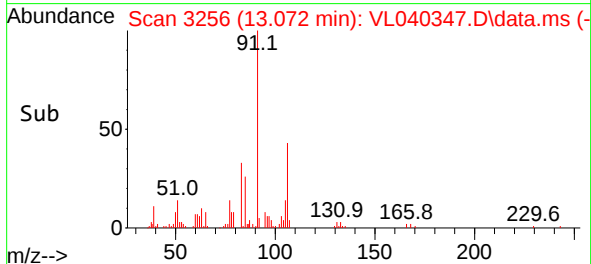
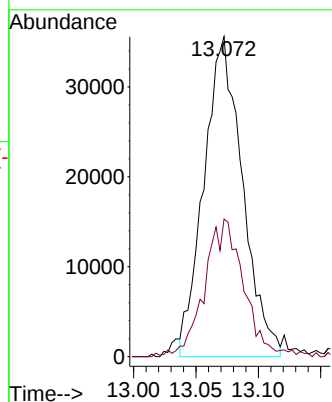
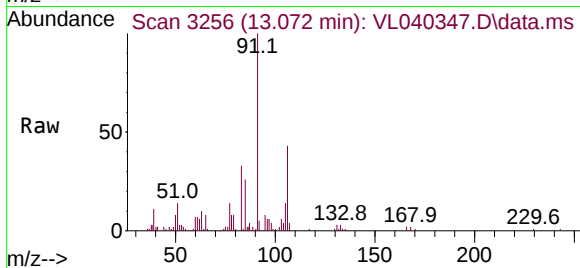
MDL-AIR-03-QT2-2023

Tgt Ion: 91 Resp: 76694

Ion Ratio Lower Upper

91 100

106 44.2 21.7 65.1



#61

Styrene

Concen: 0.236 ppbv

RT: 12.912 min Scan# 3206

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

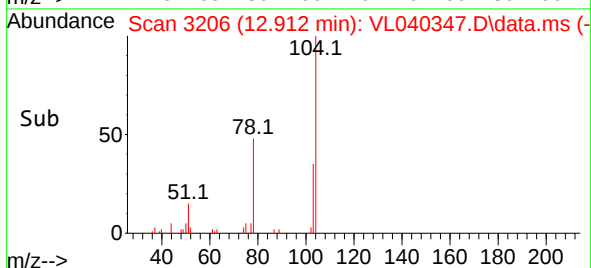
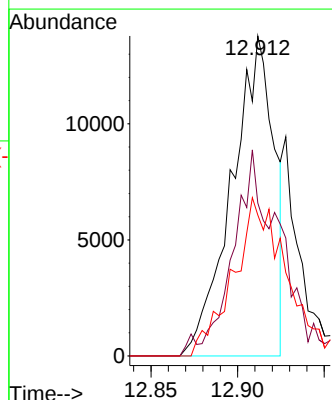
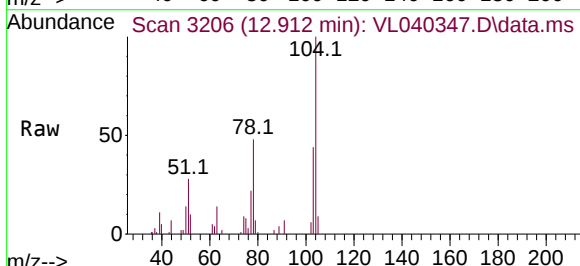
Tgt Ion: 104 Resp: 23326

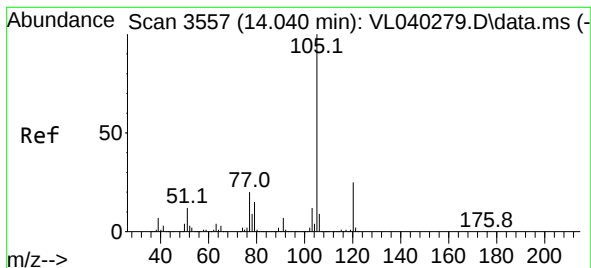
Ion Ratio Lower Upper

104 100

78 74.7 43.7 65.5#

103 63.3 37.4 56.2#





#62

Isopropylbenzene

Concen: 0.448 ppbv

RT: 14.047 min Scan# 3

Delta R.T. 0.007 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

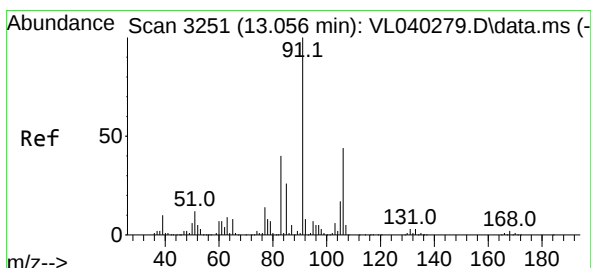
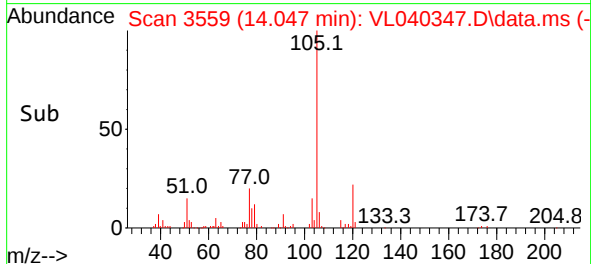
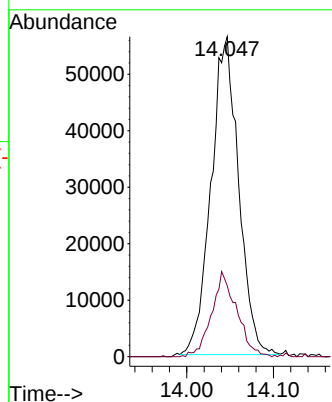
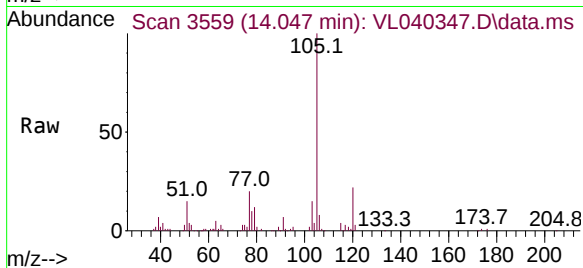
MDL-AIR-03-QT2-2023

Tgt Ion:105 Resp: 124434

Ion Ratio Lower Upper

105 100

120 24.4 19.9 29.9



#63

1,1,2,2-Tetrachloroethane

Concen: 0.546 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

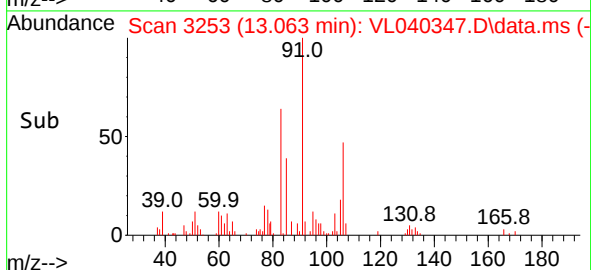
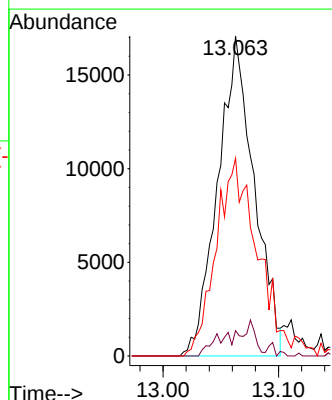
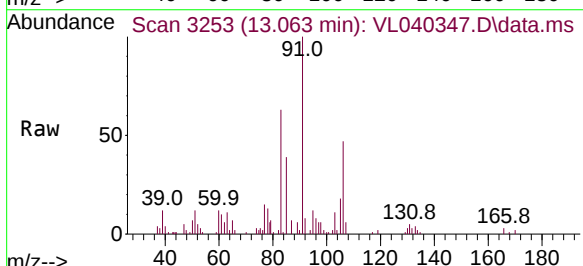
Tgt Ion: 83 Resp: 37508

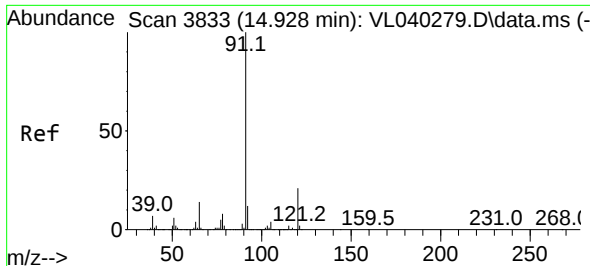
Ion Ratio Lower Upper

83 100

131 9.1 4.3 12.9

85 71.2 32.7 98.1

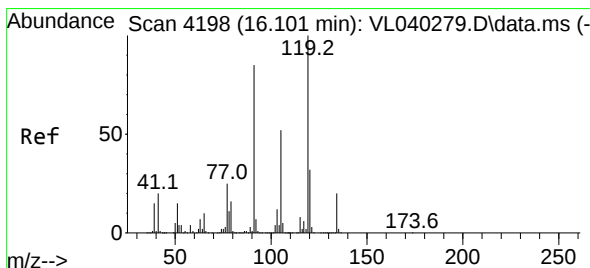
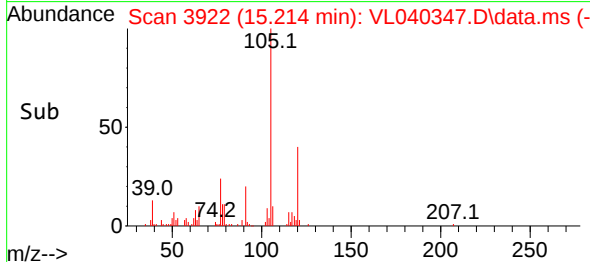
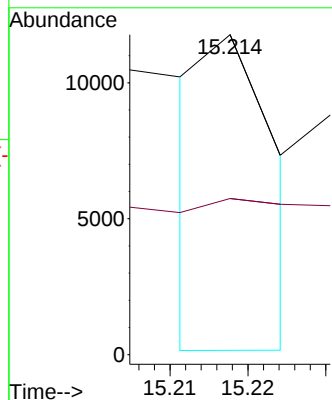
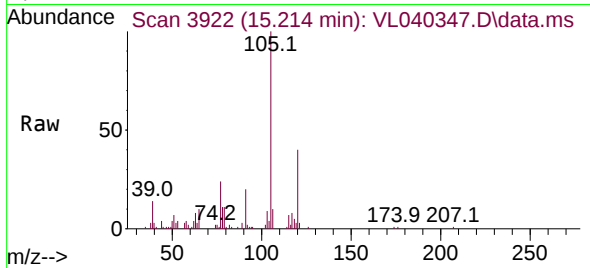




#64
n-propylbenzene
Concen: 0.053 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.286 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

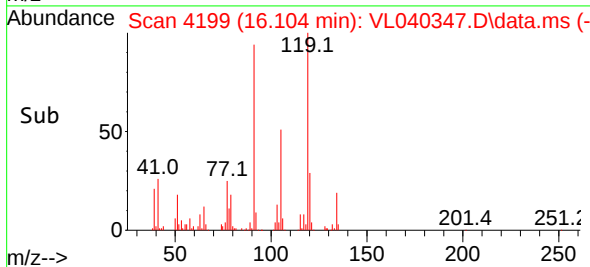
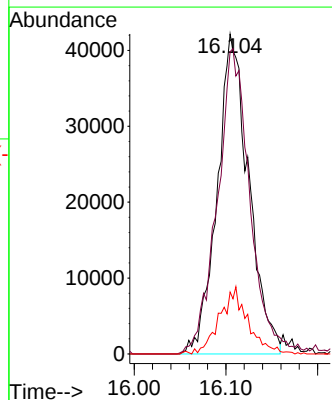
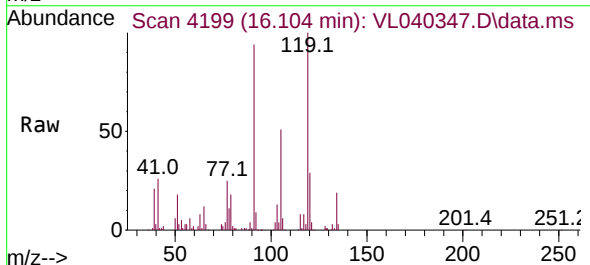
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

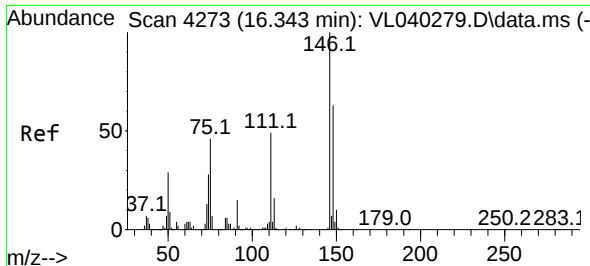
Tgt Ion:120 Resp: 3625
Ion Ratio Lower Upper
120 100
91 400.1 399.0 598.6



#65
tert-Butylbenzene
Concen: 0.421 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:119 Resp: 100723
Ion Ratio Lower Upper
119 100
91 99.9 69.4 104.2
134 18.9 15.8 23.6

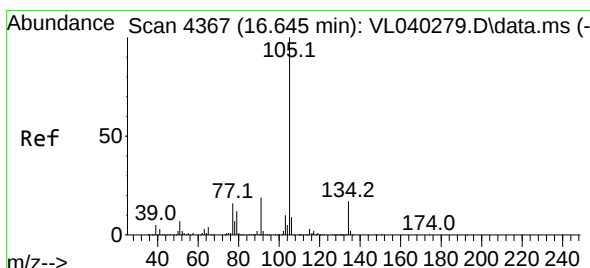
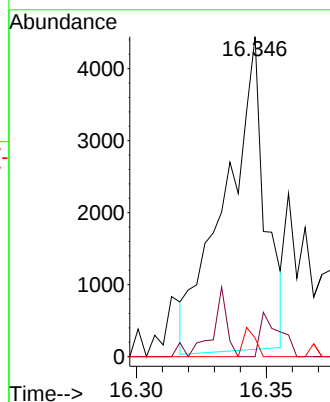
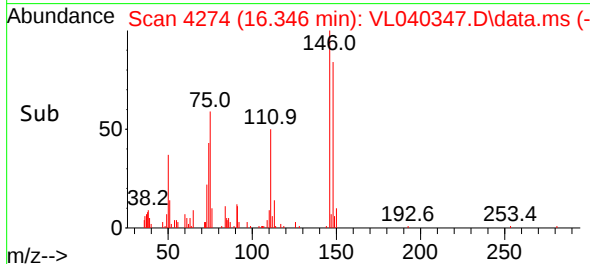
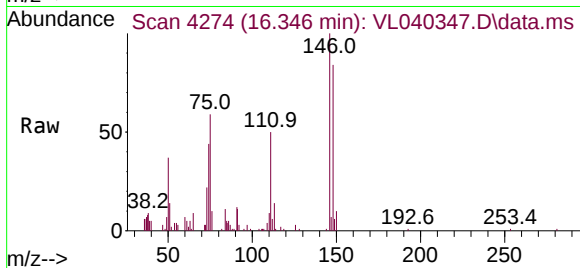




#66
Benzyl Chloride
Concen: 0.295 ppbv
RT: 16.346 min Scan# 4370
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

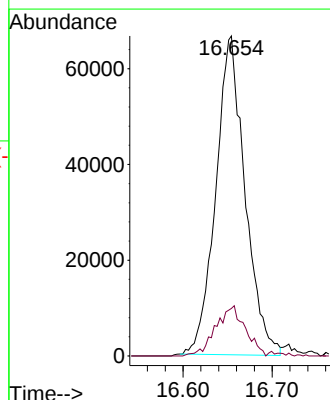
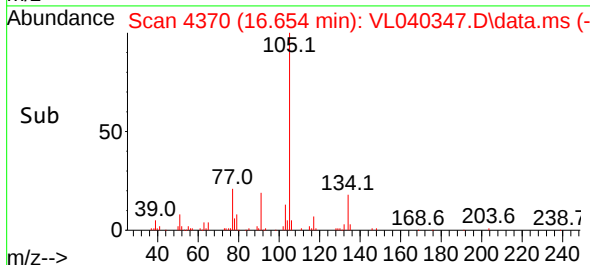
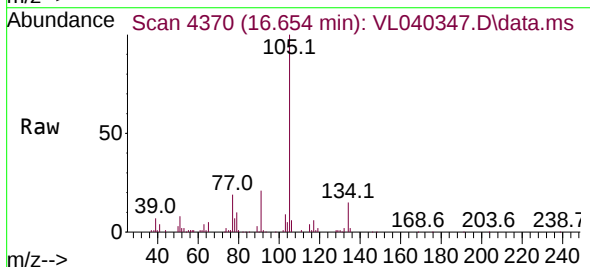
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT2-2023

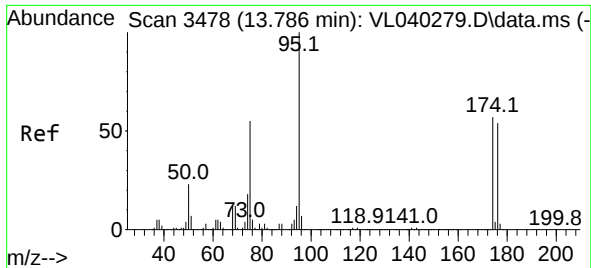
Tgt Ion: 91 Resp: 4585
Ion Ratio Lower Upper
91 100
126 8.5 12.1 18.1#
128 2.8 3.8 5.6#



#67
sec-Butylbenzene
Concen: 0.444 ppbv
RT: 16.654 min Scan# 4370
Delta R.T. 0.009 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 105 Resp: 151966
Ion Ratio Lower Upper
105 100
134 16.1 14.0 21.0

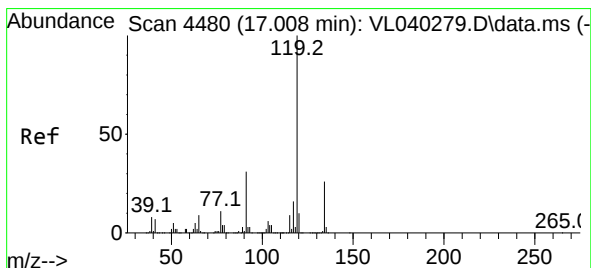
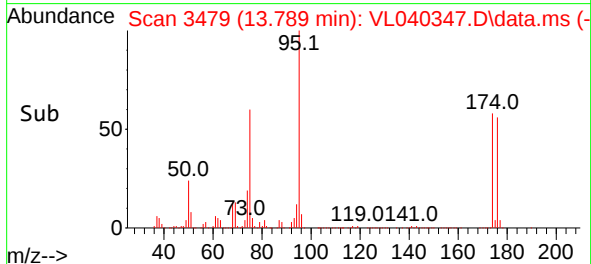
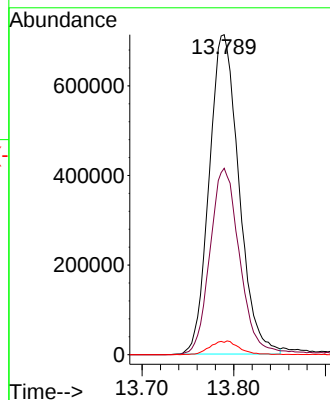
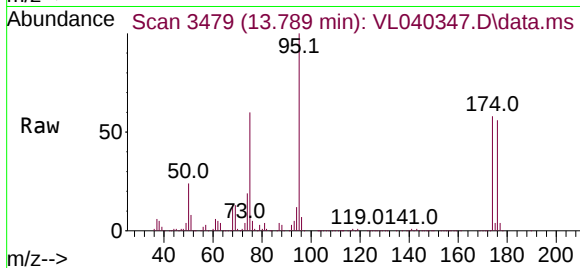




#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 13.789 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

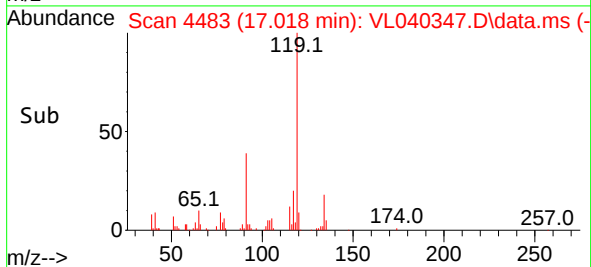
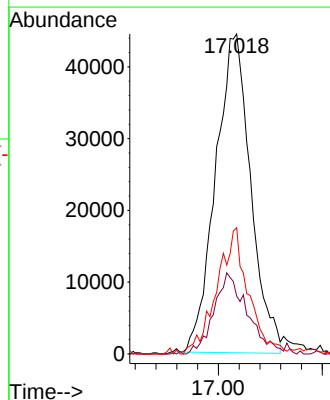
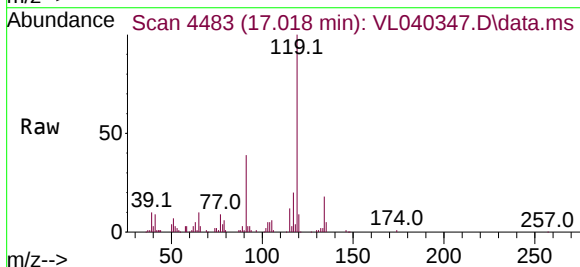
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT2-2023

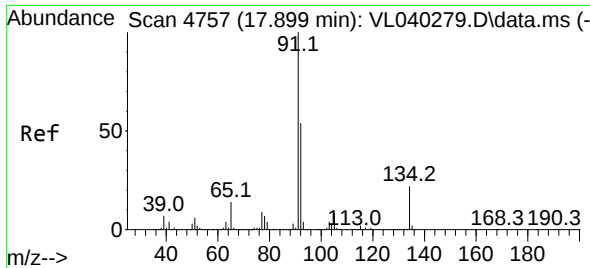
Tgt Ion: 95 Resp: 1608894
Ion Ratio Lower Upper
95 100
174 59.9 47.0 70.6
175 4.3 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.392 ppbv
RT: 17.018 min Scan# 4483
Delta R.T. 0.010 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 119 Resp: 104371
Ion Ratio Lower Upper
119 100
134 24.6 20.2 30.2
91 36.8 25.1 37.7

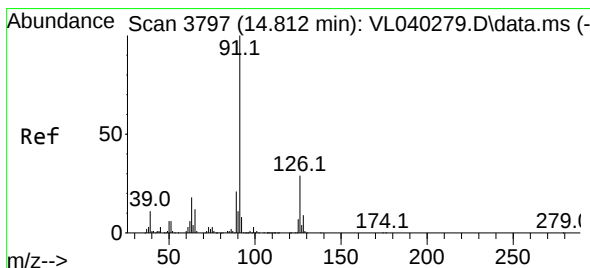
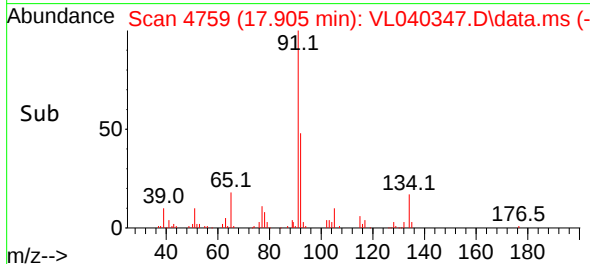
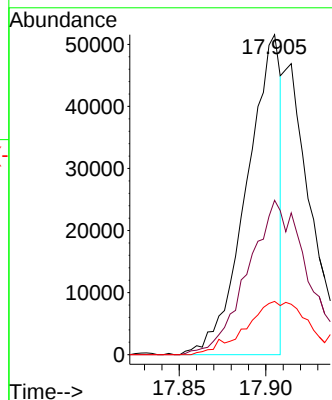
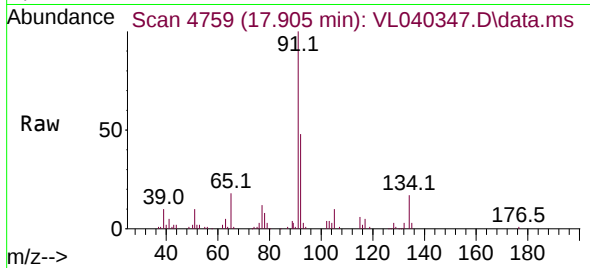




#70
n-Butylbenzene
Concen: 0.239 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.006 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

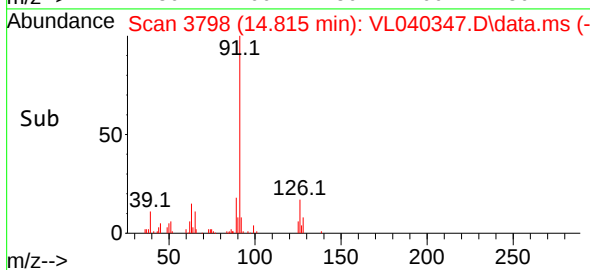
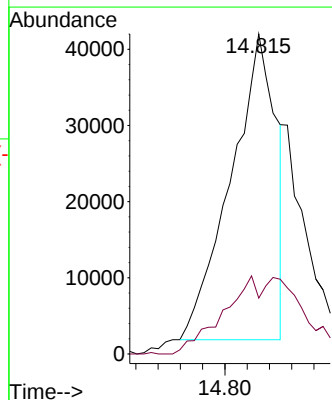
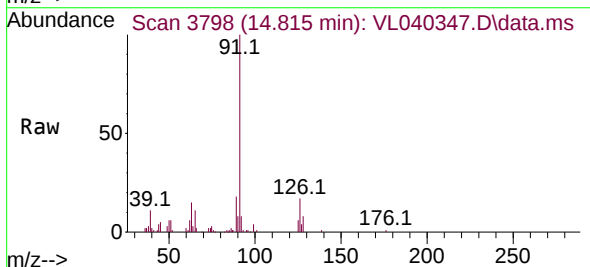
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

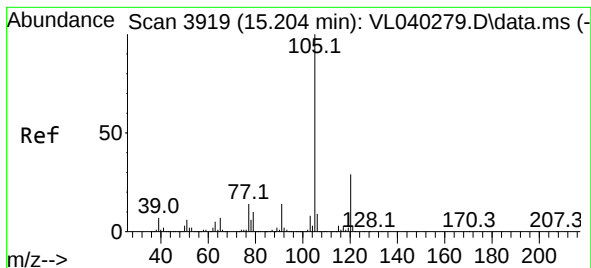
Tgt Ion: 91 Resp: 70178
Ion Ratio Lower Upper
91 100
92 89.0 42.9 64.3#
134 32.3 16.8 25.2#



#71
2-Chlorotoluene
Concen: 0.268 ppbv
RT: 14.815 min Scan# 3798
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion: 91 Resp: 56580
Ion Ratio Lower Upper
91 100
126 44.7 11.8 47.4





#72

4-Ethyltoluene

Concen: 0.242 ppbv

RT: 15.207 min Scan# 3919

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

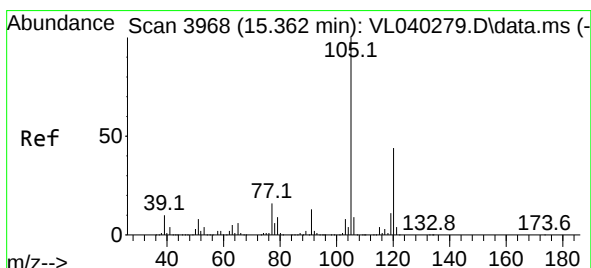
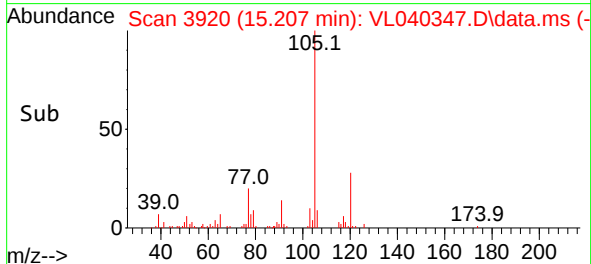
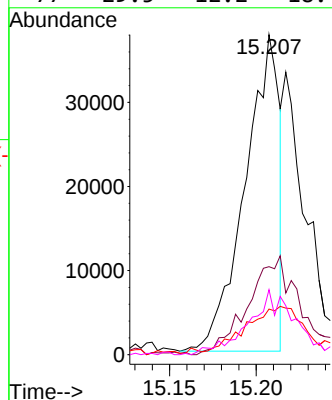
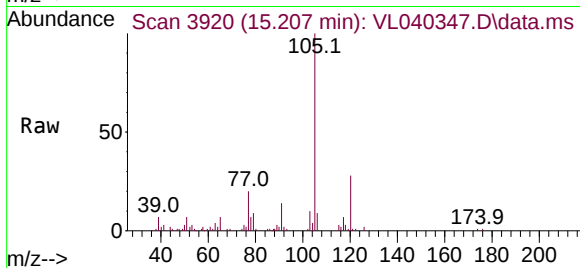
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion:105	Resp:	51566
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.7 35.5#
91	0.0	11.6 17.4#
77	29.5	12.2 18.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.240 ppbv

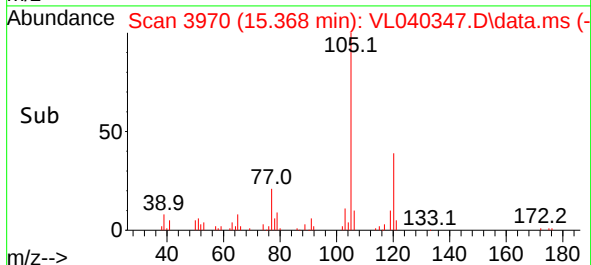
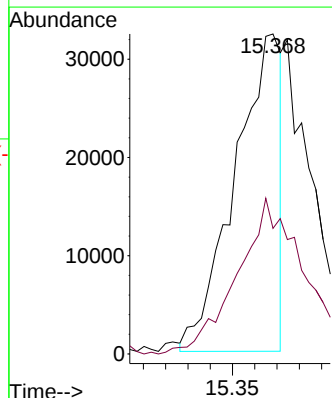
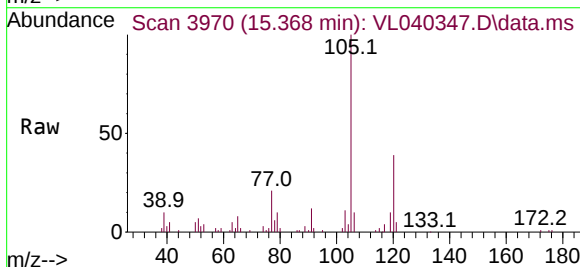
RT: 15.368 min Scan# 3970

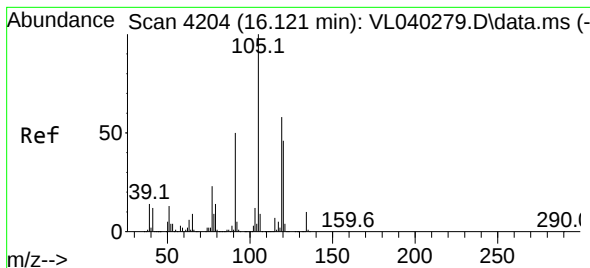
Delta R.T. 0.006 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Tgt Ion:105	Resp:	46379
Ion Ratio	Lower	Upper
105	100	
120	38.5	34.9 52.3





#74

1,2,4-Trimethylbenzene

Concen: 0.427 ppbv

RT: 16.117 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL040347.D

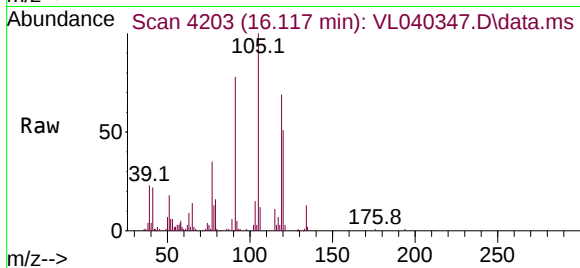
Acq: 12 Apr 2023 22:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023



Tgt Ion:105 Resp: 94149

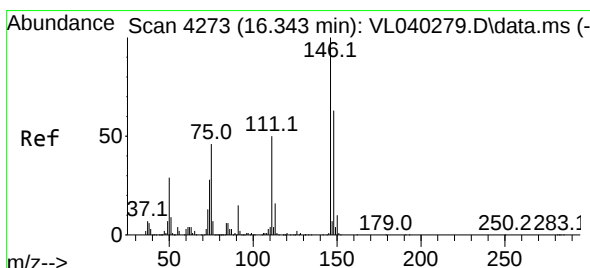
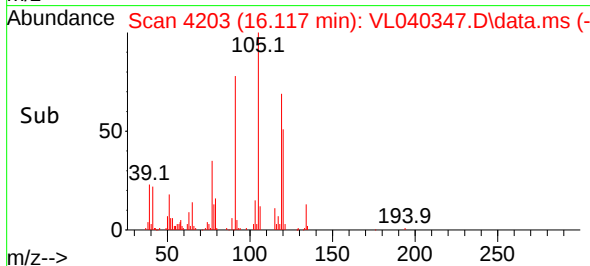
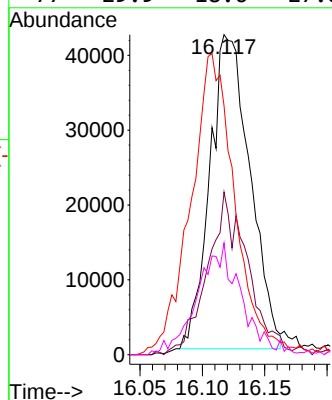
Ion Ratio Lower Upper

105 100

120 48.6 36.6 54.8

91 75.3 39.9 59.9#

77 29.9 18.6 27.8#



#75

1,3-Dichlorobenzene

Concen: 0.182 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. -0.004 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

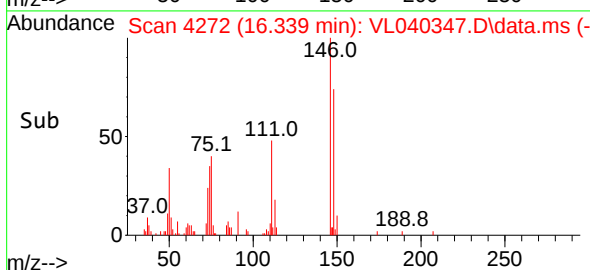
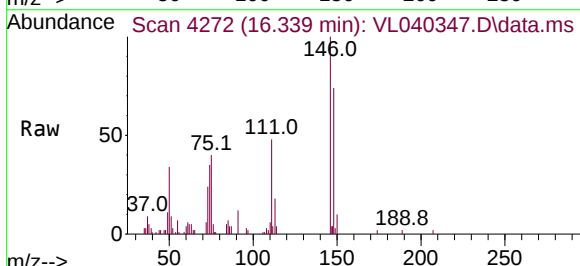
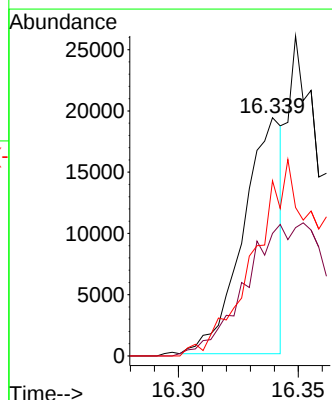
Tgt Ion:146 Resp: 21678

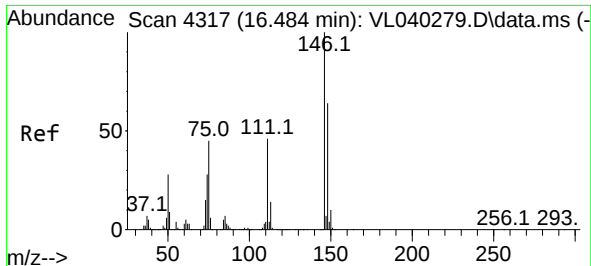
Ion Ratio Lower Upper

146 100

111 0.0 24.3 73.0#

148 0.0 31.9 95.5#

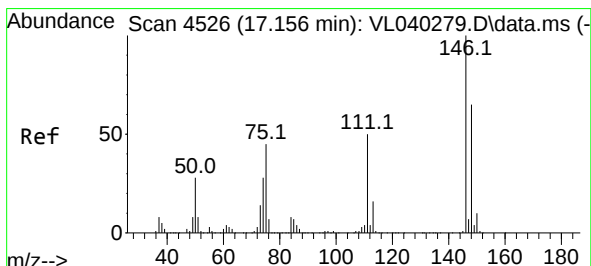
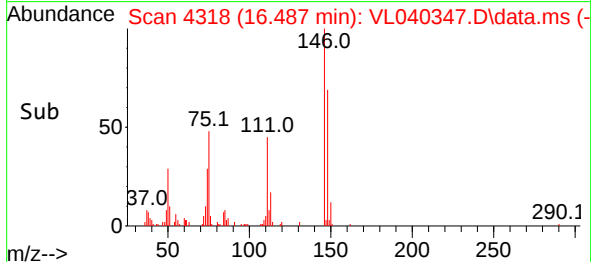
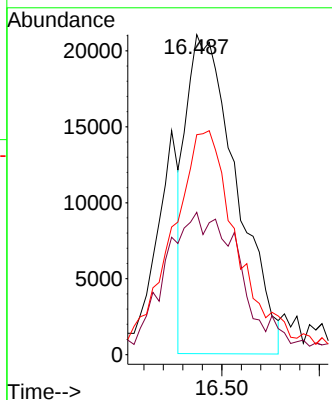
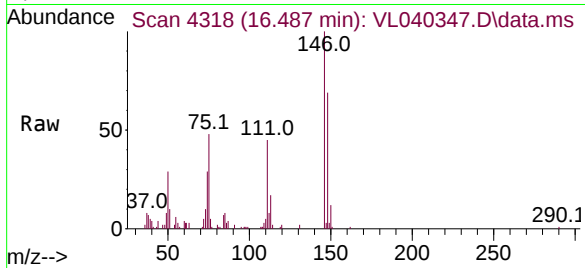




#76
1,4-Dichlorobenzene
Concen: 0.332 ppbv
RT: 16.487 min Scan# 4317
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

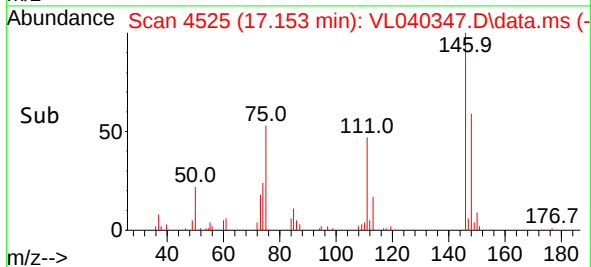
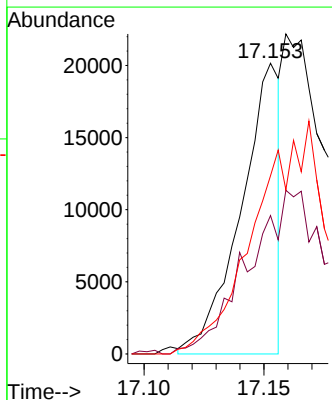
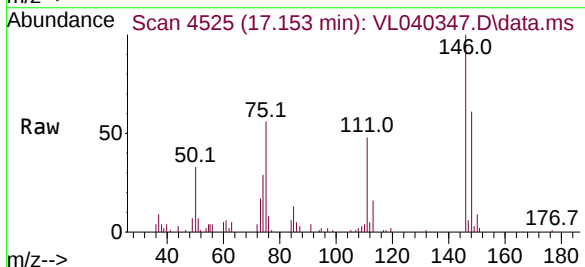
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

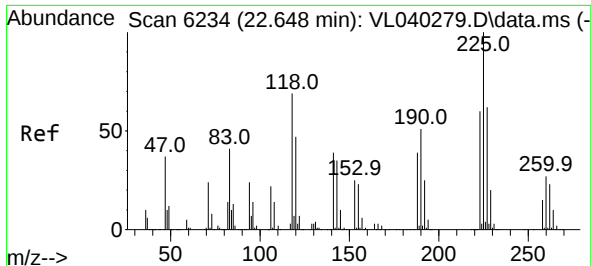
Tgt Ion:146 Resp: 37726
Ion Ratio Lower Upper
146 100
111 73.9 23.8 71.2#
148 100.2 32.5 97.5#



#77
1,2-Dichlorobenzene
Concen: 0.197 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:146 Resp: 22624
Ion Ratio Lower Upper
146 100
111 0.0 25.2 75.6#
148 0.0 32.1 96.3#

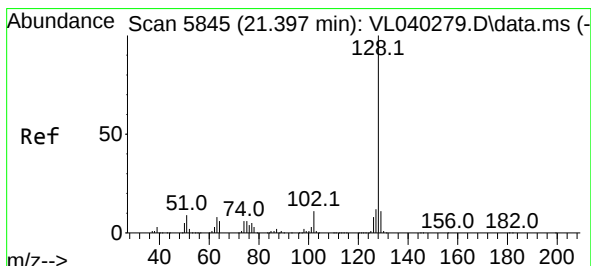
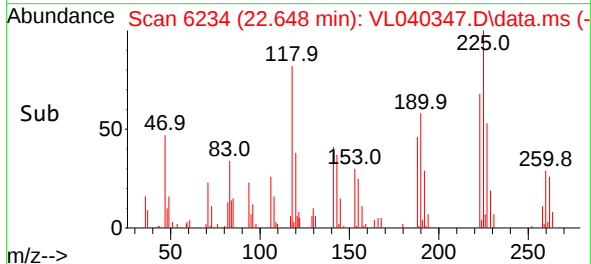
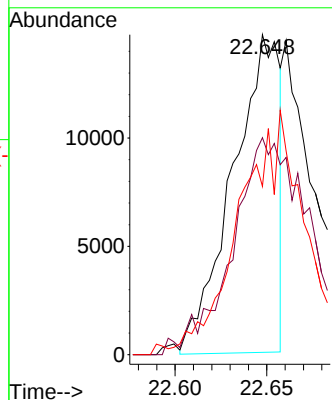
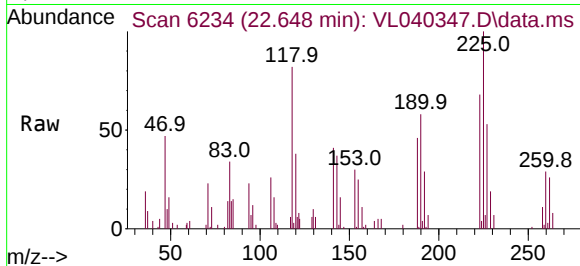




#78
Hexachloro-1,3-Butadiene
Concen: 0.310 ppbv
RT: 22.648 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

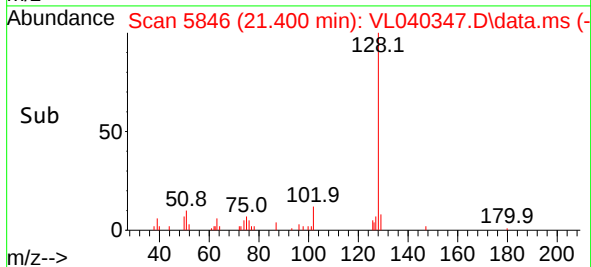
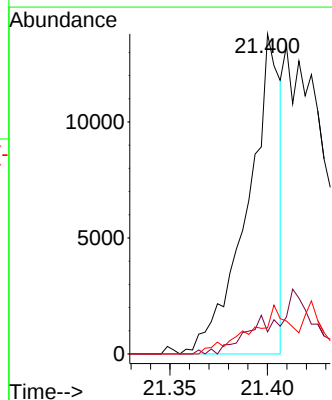
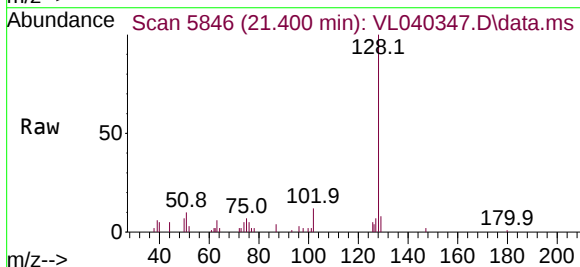
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

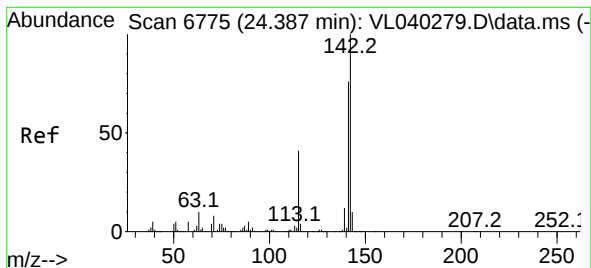
Tgt Ion:225 Resp: 26084
Ion Ratio Lower Upper
225 100
223 115.7 51.0 76.6#
227 0.0 51.4 77.2#



#79
Naphthalene
Concen: 0.123 ppbv
RT: 21.400 min Scan# 5846
Delta R.T. 0.003 min
Lab File: VL040347.D
Acq: 12 Apr 2023 22:03

Tgt Ion:128 Resp: 16056
Ion Ratio Lower Upper
128 100
127 6.9 9.6 14.4#
129 8.1 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 0.070 ppbv

RT: 24.422 min Scan# 61

Delta R.T. 0.035 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

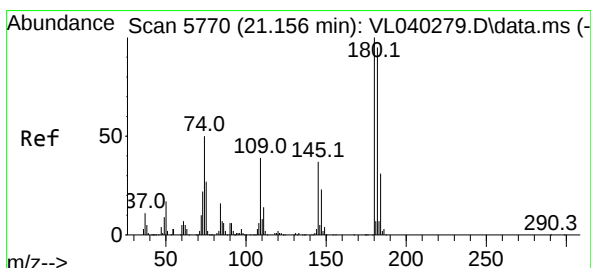
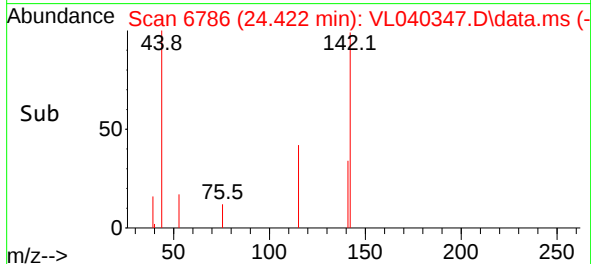
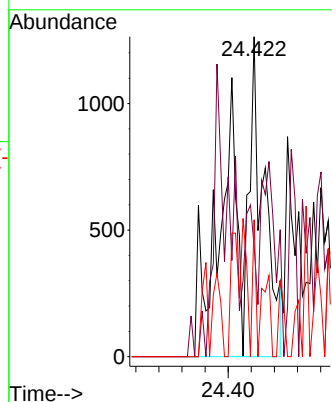
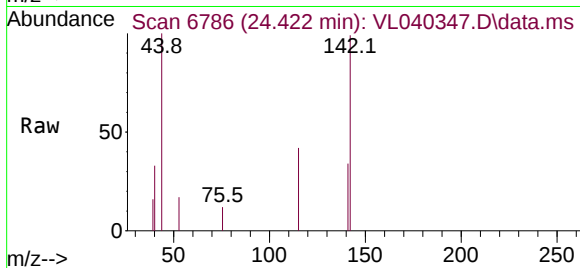
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion:	142	Resp:	2320
Ion	Ratio	Lower	Upper
142	100		
141	62.0	65.5	98.3#
115	33.8	33.5	50.3



#81

1,2,4-Trichlorobenzene

Concen: 0.161 ppbv

RT: 21.159 min Scan# 5771

Delta R.T. 0.003 min

Lab File: VL040347.D

Acq: 12 Apr 2023 22:03

Tgt Ion:	180	Resp:	12912
Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	24.4	36.6#

