

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041478.D
 Acq On : 1 Aug 2024 14:52
 Operator : SY/MD
 Sample : P3390-15 0.03 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

Quant Time: Aug 02 05:24:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	860938	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2334703	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2191302	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1643383	9.745	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.861	85	4656	0.031	ppbv	89
3) Chlorodifluoromethane	2.681	51	4407	0.043	ppbv	99
4) Chloromethane	2.816	50	2524	0.046	ppbv	93
5) Vinyl Chloride	2.928	62	1332	0.025	ppbv #	38
6) Bromomethane	3.124	94	676	0.024	ppbv	99
7) Chloroethane	3.192	64	423	0.023	ppbv #	44
8) Dichlorotetrafluoroethane	2.861	85	4656	0.035	ppbv	99
9) Propene	2.700	41	1138	0.024	ppbv #	1
10) Heptane	7.584	43	364	0.003	ppbv #	27
11) Trichlorofluoromethane	3.562	101	4960	0.038	ppbv #	68
12) 1,1,2-Trichlorotrifluo...	4.070	101	1633	0.017	ppbv #	6
13) Ethanol	3.259	45	114	0.027	ppbv #	41
14) Bromoethene	3.369	108	325	0.009	ppbv #	1
15) Acetone	3.455	43	108	0.001	ppbv #	48
16) 1,3-Butadiene	2.986	39	512	0.010	ppbv #	1
17) tert-Butyl alcohol	3.886	59	68	0.001	ppbv #	72
18) 1,1-Dichloroethene	3.877	96	905	0.022	ppbv #	38
19) Isopropyl Alcohol	3.594	45	448	0.008	ppbv #	93
20) Methylene Chloride	3.938	84	5846	0.160	ppbv	86
21) Allyl Chloride	4.005	41	1704	0.027	ppbv #	52
22) trans-1,2-Dichloroethene	4.446	96	903	0.022	ppbv #	35
23) Vinyl Acetate	4.632	43	1423	0.019	ppbv #	72
24) 1,1-Dichloroethane	4.565	63	1897	0.022	ppbv #	67
25) Ethyl Acetate	5.221	43	2973	0.015	ppbv #	82
26) Hexane	5.214	57	1095	0.014	ppbv #	1
27) Carbon Disulfide	4.128	76	735	0.008	ppbv #	1
28) Methyl tert-Butyl Ether	4.597	73	430	0.008	ppbv #	52
29) Chloroform	5.279	83	4570	0.035	ppbv	83
30) Cyclohexane	6.594	84	329	0.005	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	1241	0.016	ppbv #	79
32) 1,1,1-Trichloroethane	5.999	97	3359	0.026	ppbv #	69
34) 2-Butanone	4.790	43	94	0.001	ppbv #	54
35) Carbon Tetrachloride	6.494	117	2187	0.017	ppbv #	82
36) Benzene	6.369	78	3455	0.020	ppbv	95
37) 1,2-Dichloroethane	5.816	62	2992	0.031	ppbv	98
38) Trichloroethene	7.291	130	1164	0.015	ppbv #	42
39) 1,2-Dichloropropane	6.652	63	568459	8.704	ppbv #	25
40) 1,4-Dioxane	7.282	88	29	0.001	ppbv #	1
41) Tetrahydrofuran	5.587	42	212	0.003	ppbv #	50
42) Bromodichloromethane	7.253	83	1400	0.010	ppbv #	69
43) Methyl Methacrylate	7.471	69	162	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.324	57	1179	0.004	ppbv #	1
45) t-1,3-Dichloropropene	8.719	75	199	0.004	ppbv	96

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Quant Time: Aug 02 05:24:27 2024
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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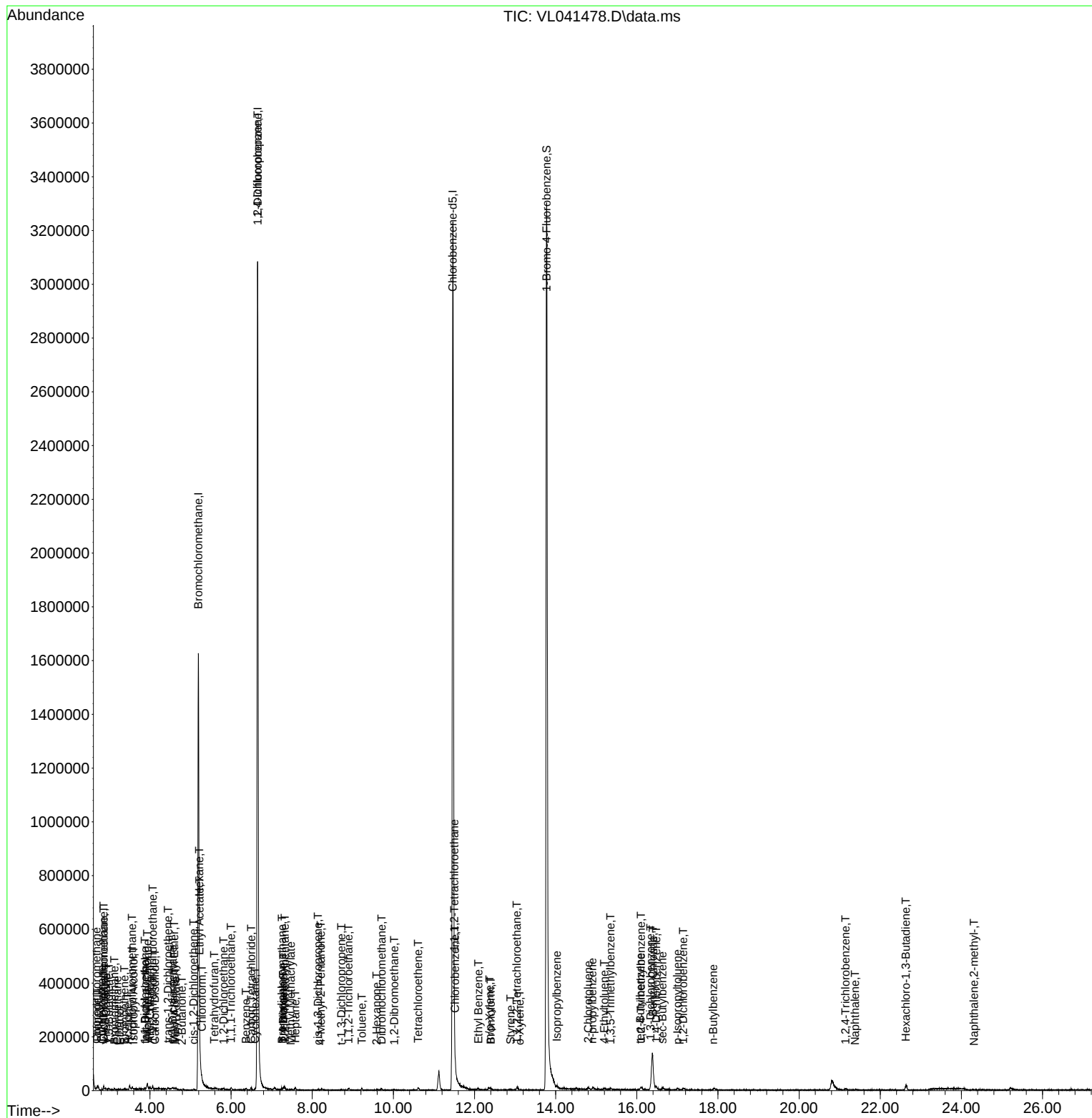
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	8.143	75	515	0.006	ppbv	#	66
47) 1,1,2-Trichloroethane	8.893	97	713	0.010	ppbv	#	46
48) Dibromochloromethane	9.709	129	436	0.004	ppbv	#	10
49) Bromoform	12.404	173	984	0.010	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.208	43	841	0.005	ppbv	#	40
51) 2-Hexanone	9.587	43	789	0.006	ppbv	#	30
52) Tetrachloroethene	10.613	164	1309	0.020	ppbv	#	46
53) Toluene	9.224	91	3251	0.017	ppbv	#	70
54) 1,2-Dibromoethane	10.021	107	717	0.007	ppbv		93
56) 1,1,1,2-Tetrachloroethane	11.503	131	324	0.004	ppbv	#	1
57) Chlorobenzene	11.523	112	4088	0.026	ppbv	#	77
58) Ethyl Benzene	12.095	91	2411	0.010	ppbv		96
59) m/p-Xylene	12.372	91	682	0.003	ppbv	#	31
60) o-Xylene	13.114	91	103	0.000	ppbv		86
61) Styrene	12.889	104	338	0.004	ppbv	#	1
62) Isopropylbenzene	14.031	105	2810	0.009	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.040	83	364	0.003	ppbv	#	25
64) n-propylbenzene	14.908	120	293	0.004	ppbv	#	1
65) tert-Butylbenzene	16.085	119	735	0.003	ppbv	#	19
66) Benzyl Chloride	16.397	91	77	0.004	ppbv	#	1
67) sec-Butylbenzene	16.632	105	1032	0.003	ppbv	#	1
69) p-Isopropyltoluene	16.998	119	1241	0.004	ppbv	#	1
70) n-Butylbenzene	17.883	91	792	0.002	ppbv	#	33
71) 2-Chlorotoluene	14.802	91	1052	0.005	ppbv	#	1
72) 4-Ethyltoluene	15.198	105	1699	0.007	ppbv	#	79
73) 1,3,5-Trimethylbenzene	15.349	105	1391	0.007	ppbv	#	24
74) 1,2,4-Trimethylbenzene	16.105	105	996	0.004	ppbv	#	55
75) 1,3-Dichlorobenzene	16.336	146	1716	0.011	ppbv	#	17
76) 1,4-Dichlorobenzene	16.477	146	1310	0.009	ppbv	#	1
77) 1,2-Dichlorobenzene	17.143	146	357	0.002	ppbv	#	23
78) Hexachloro-1,3-Butadiene	22.632	225	833	0.006	ppbv	#	19
79) Naphthalene	21.378	128	280	0.001	ppbv	#	69
80) Naphthalene,2-methyl-	24.310	142	147	0.001	ppbv	#	16
81) 1,2,4-Trichlorobenzene	21.143	180	304	0.002	ppbv	#	12

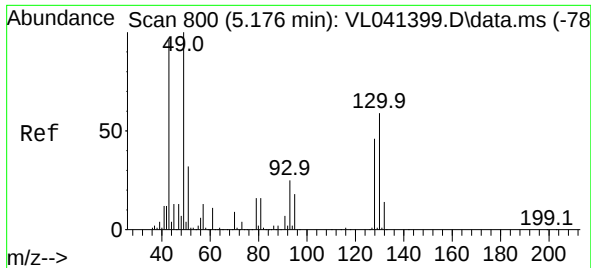
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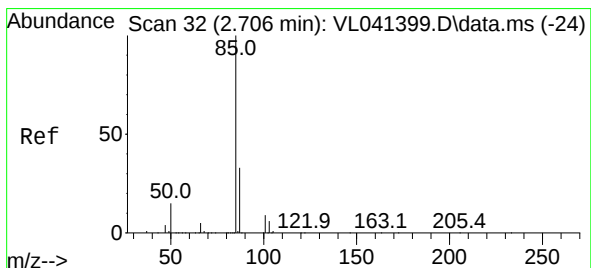
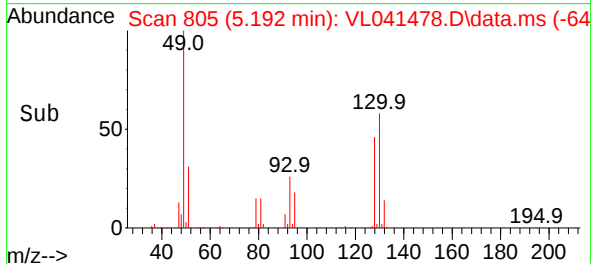
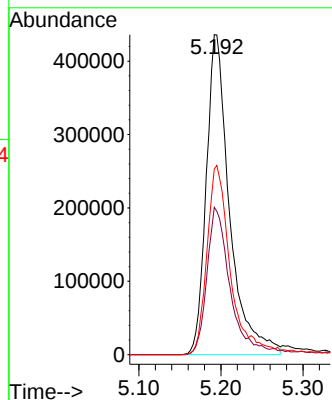
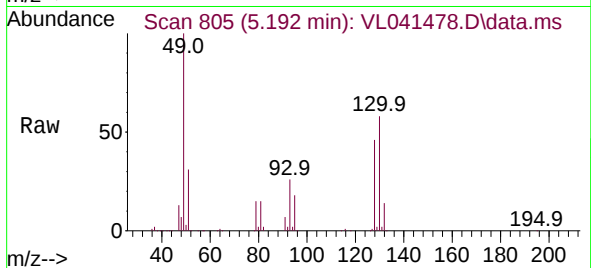




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041478.D
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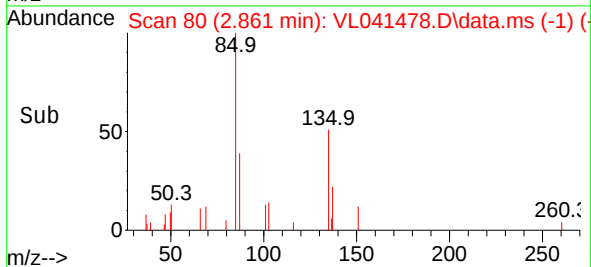
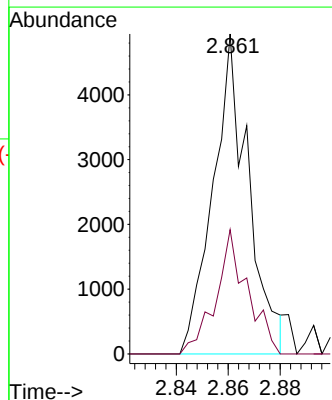
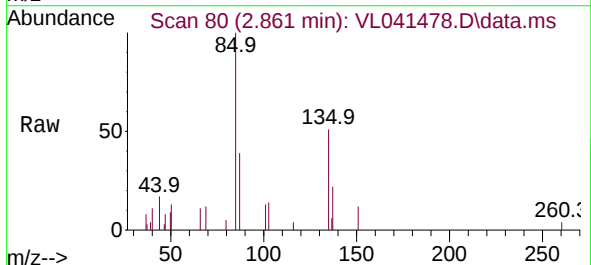
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

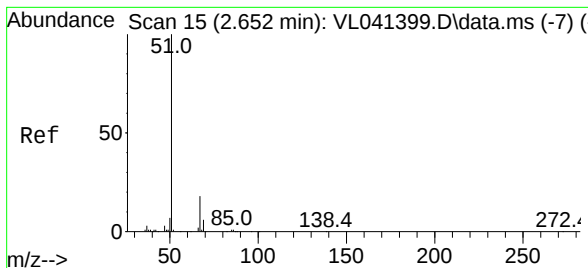
Tgt Ion: 49 Resp: 860938
Ion Ratio Lower Upper
49 100
128 47.5 23.8 71.4
130 61.6 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.132 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion: 85 Resp: 4656
Ion Ratio Lower Upper
85 100
87 38.9 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.043 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

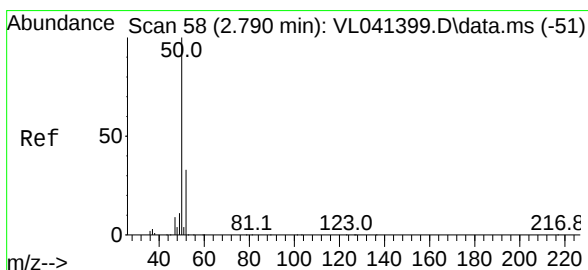
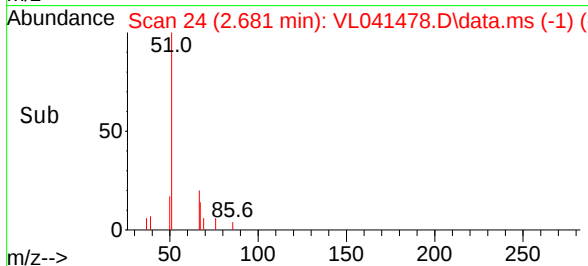
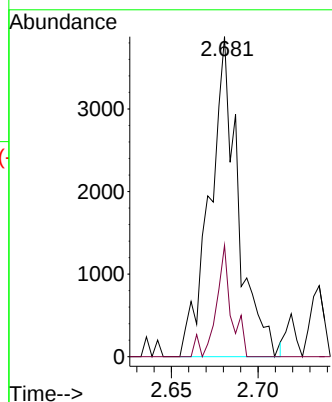
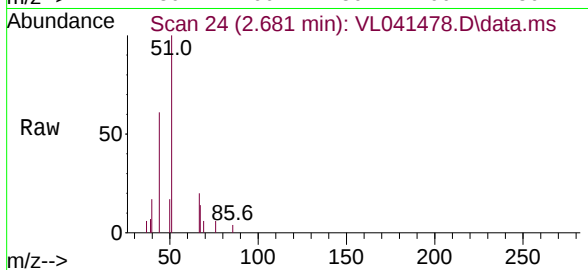
MDL-AIR-03-QT3-2024

Tgt Ion: 51 Resp: 4407

Ion Ratio Lower Upper

51 100

67 18.6 14.5 21.7



#4

Chloromethane

Concen: 0.046 ppbv

RT: 2.816 min Scan# 66

Delta R.T. 0.003 min

Lab File: VL041478.D

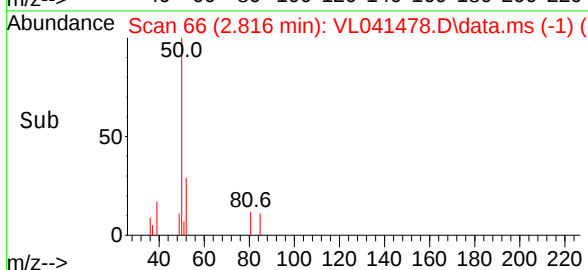
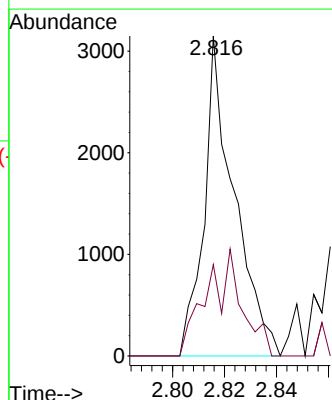
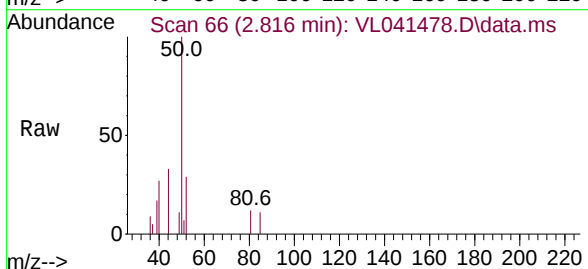
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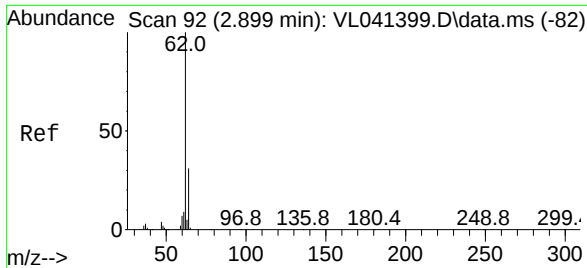
Tgt Ion: 50 Resp: 2524

Ion Ratio Lower Upper

50 100

52 28.5 26.1 39.1

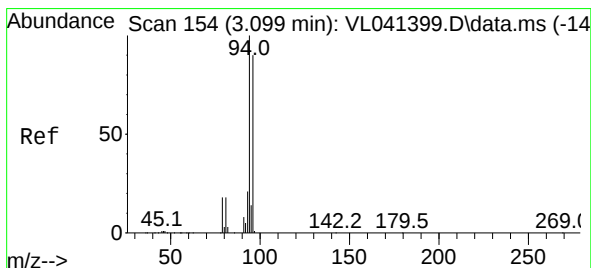
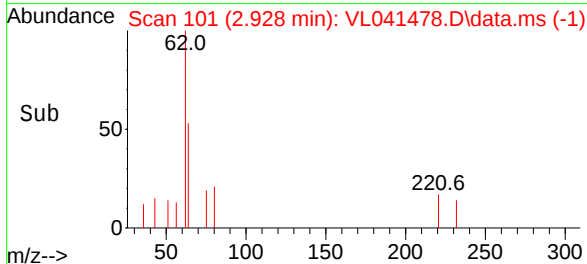
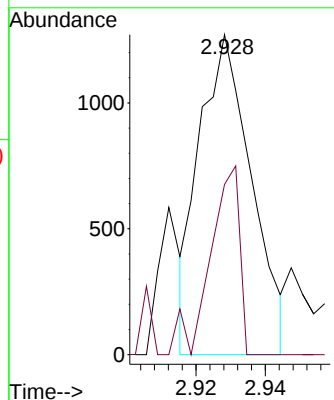
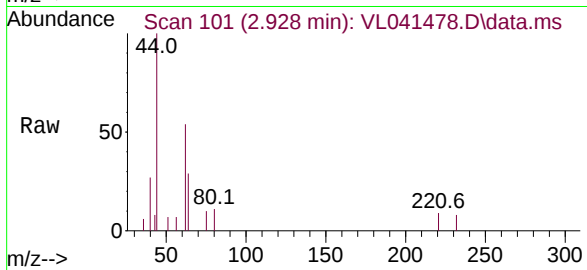




#5
 Vinyl Chloride
 Concen: 0.025 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.006 min
 Lab File: VL041478.D
 Acq: 1 Aug 2024 14:52

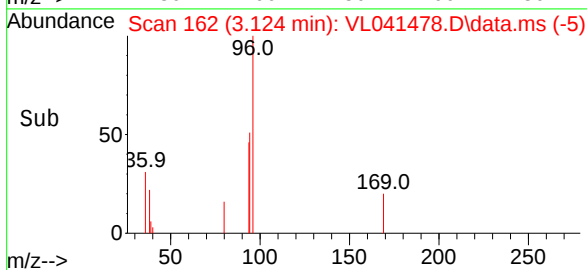
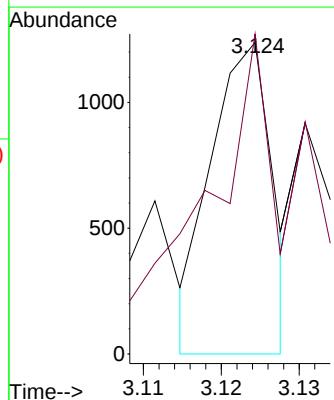
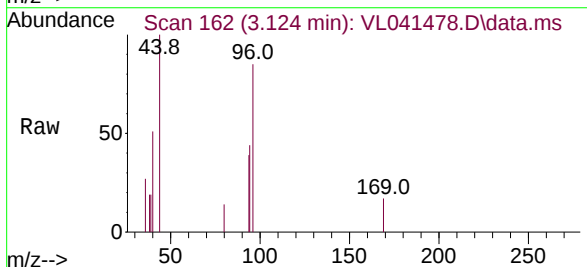
Instrument :
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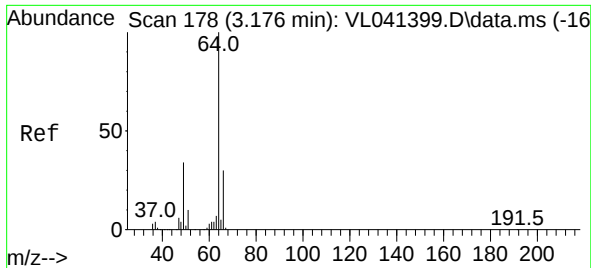
Tgt Ion: 62 Resp: 1332
 Ion Ratio Lower Upper
 62 100
 64 65.4 25.0 37.4#



#6
 Bromomethane
 Concen: 0.024 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.006 min
 Lab File: VL041478.D
 Acq: 1 Aug 2024 14:52

Tgt Ion: 94 Resp: 676
 Ion Ratio Lower Upper
 94 100
 96 89.7 72.3 108.5

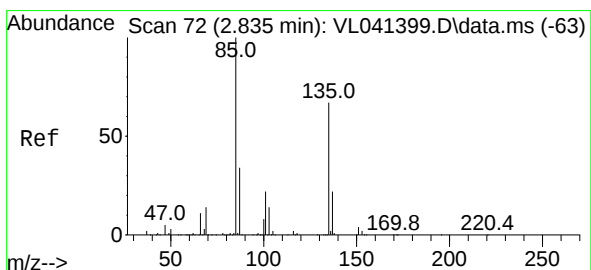
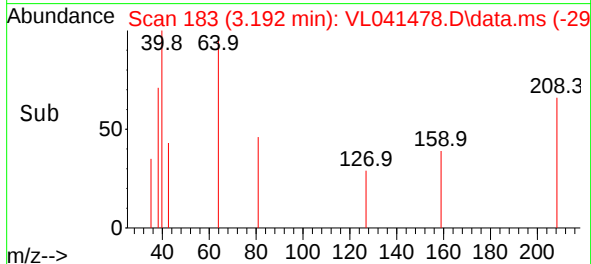
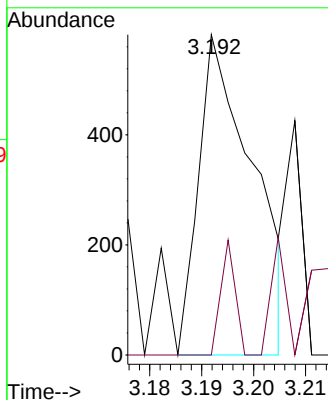
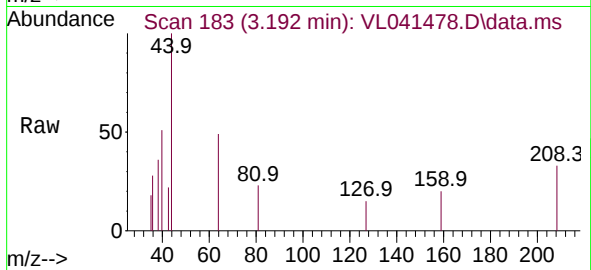




#7
Chloroethane
Concen: 0.023 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

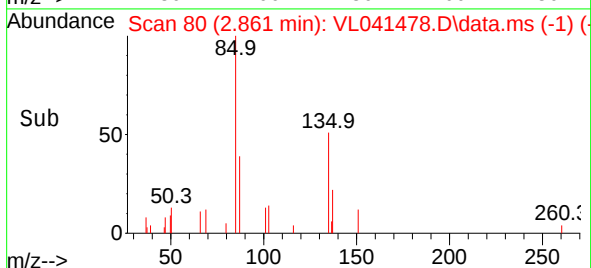
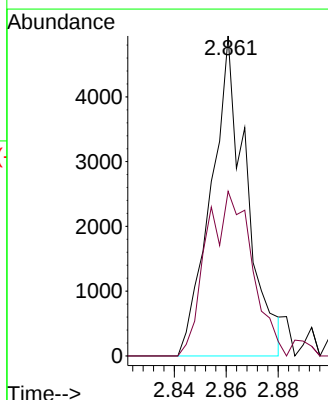
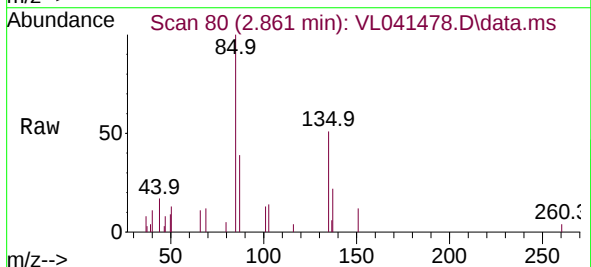
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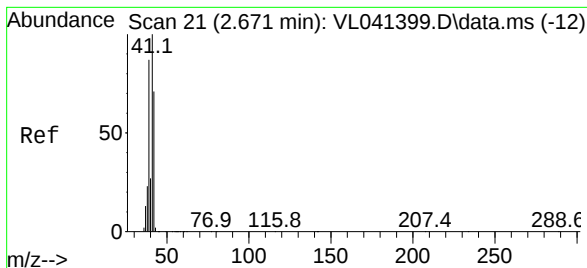
Tgt Ion: 64 Resp: 423
Ion Ratio Lower Upper
64 100
66 0.0 24.2 36.2#



#8
Dichlorotetrafluoroethane
Concen: 0.035 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion: 85 Resp: 4656
Ion Ratio Lower Upper
85 100
135 70.1 55.4 83.0





#9

Propene

Concen: 0.024 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

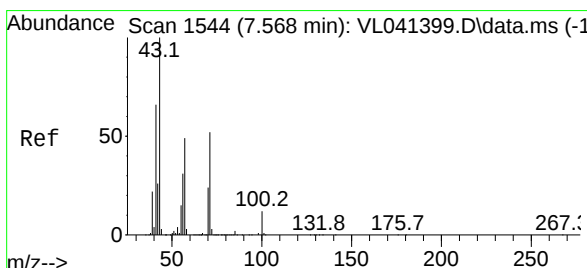
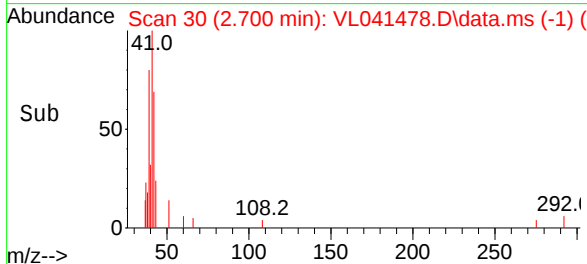
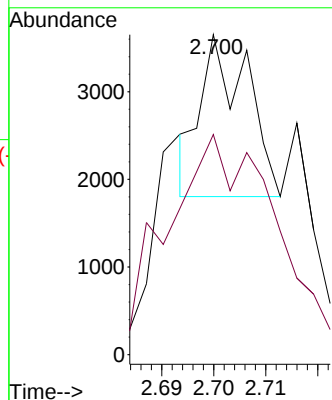
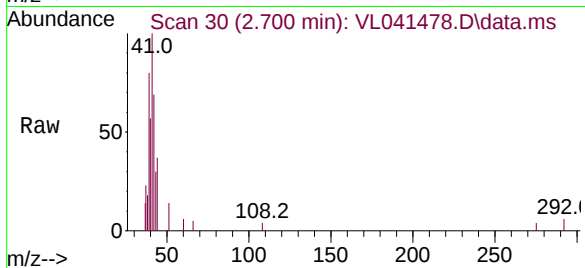
MDL-AIR-03-QT3-2024

Tgt Ion: 41 Resp: 1138

Ion Ratio Lower Upper

41 100

42 344.3 55.9 83.9#



#10

Heptane

Concen: 0.003 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.006 min

Lab File: VL041478.D

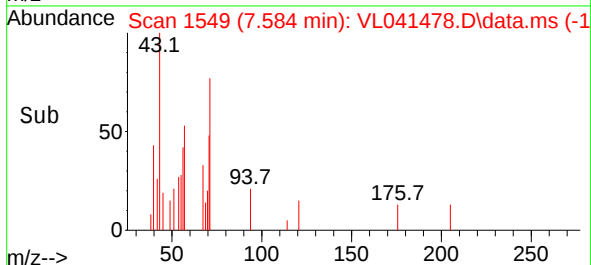
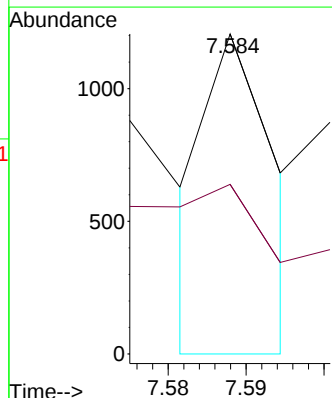
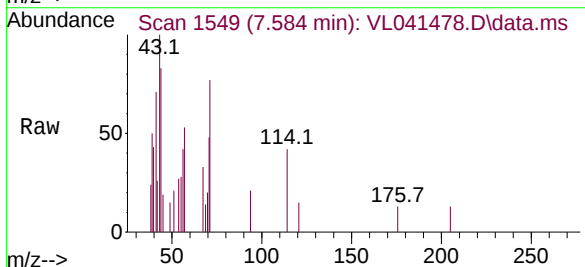
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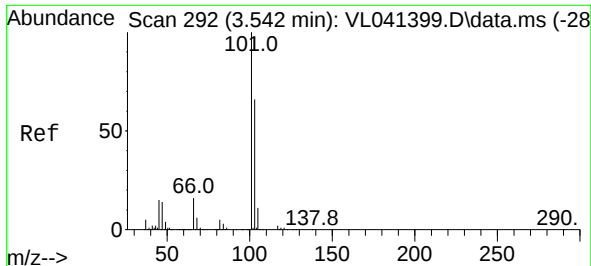
Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.038 ppbv

RT: 3.562 min Scan# 20

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

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ClientSampleId :

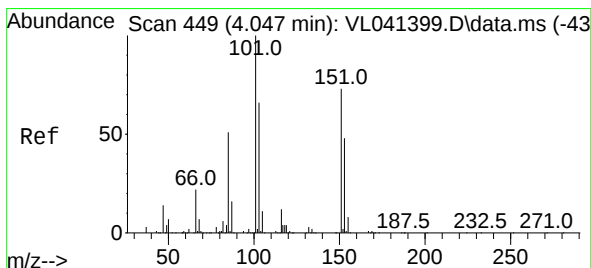
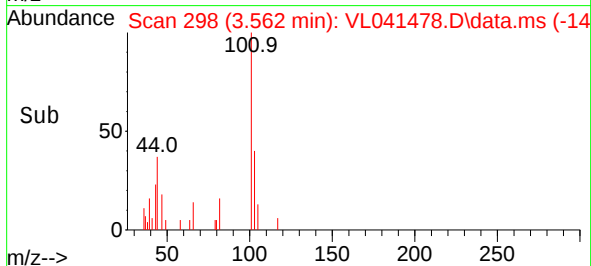
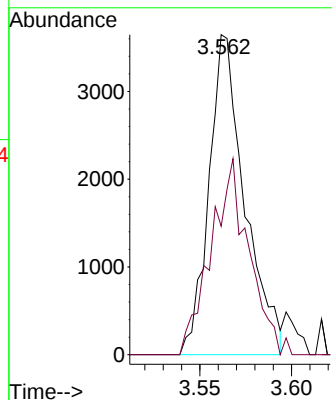
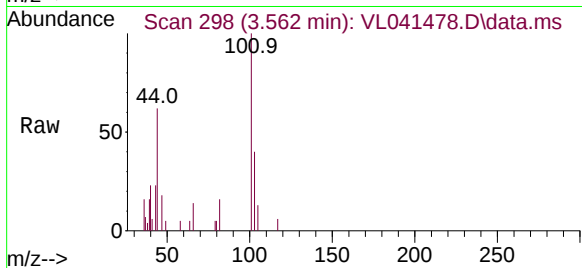
MDL-AIR-03-QT3-2024

Tgt Ion:101 Resp: 4960

Ion Ratio Lower Upper

101 100

103 40.2 52.6 79.0#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.017 ppbv

RT: 4.070 min Scan# 456

Delta R.T. 0.006 min

Lab File: VL041478.D

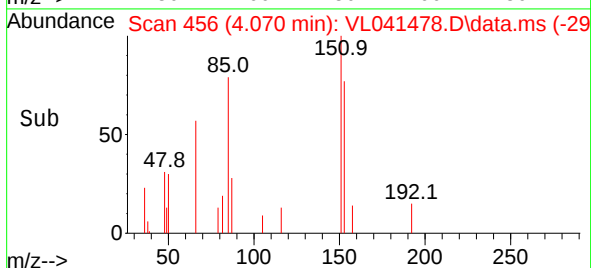
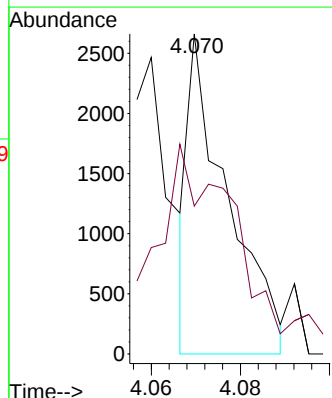
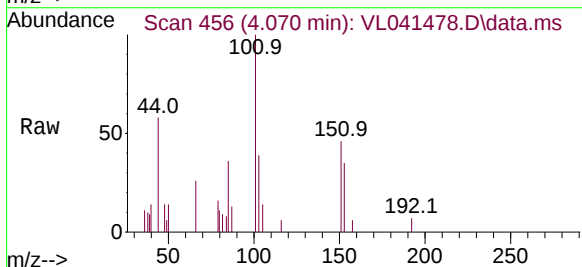
Acq: 1 Aug 2024 14:52

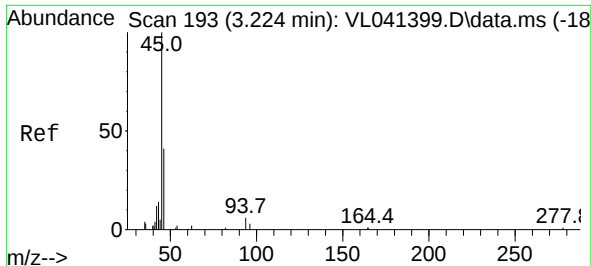
Tgt Ion:101 Resp: 1633

Ion Ratio Lower Upper

101 100

151 153.8 59.4 89.2#





#13

Ethanol

Concen: 0.027 ppbv

RT: 3.259 min Scan# 204

Delta R.T. 0.013 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

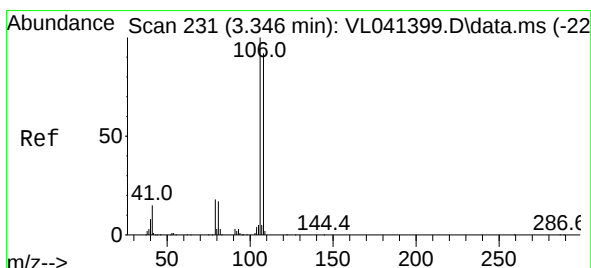
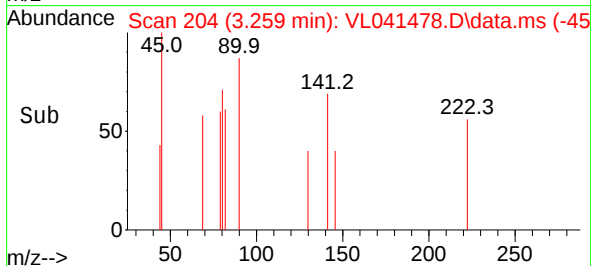
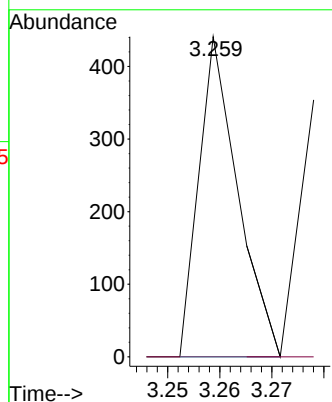
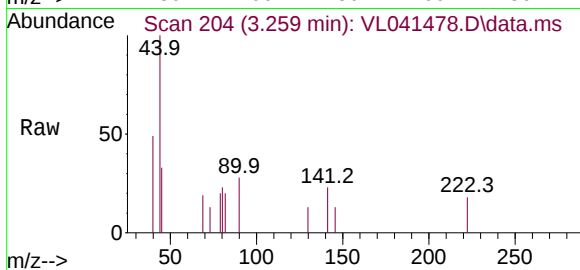
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 114

Ion Ratio Lower Upper

45 100

46 0.0 13.4 53.4#



#14

Bromoethene

Concen: 0.009 ppbv

RT: 3.369 min Scan# 238

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

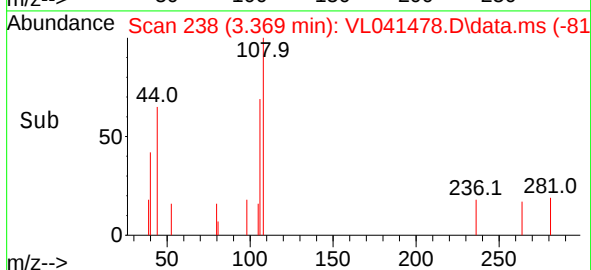
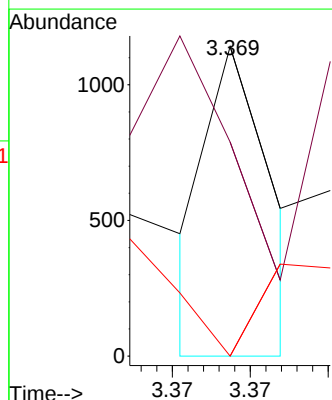
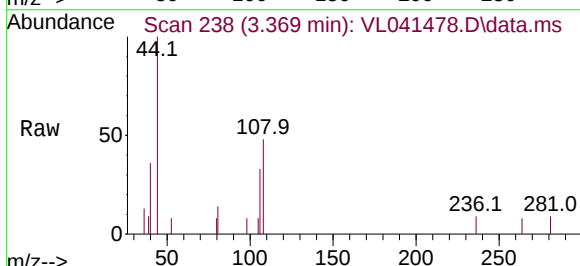
Tgt Ion:108 Resp: 325

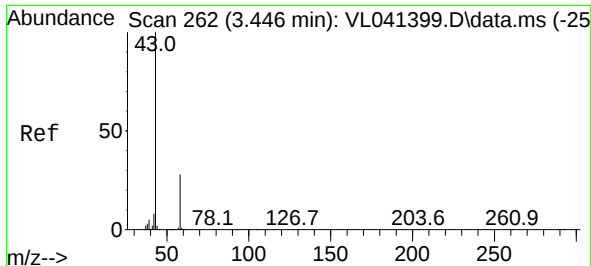
Ion Ratio Lower Upper

108 100

106 365.2 86.9 130.3#

79 0.0 16.2 24.4#





#15

Acetone

Concen: 0.001 ppbv

RT: 3.455 min Scan# 2

Delta R.T. -0.010 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

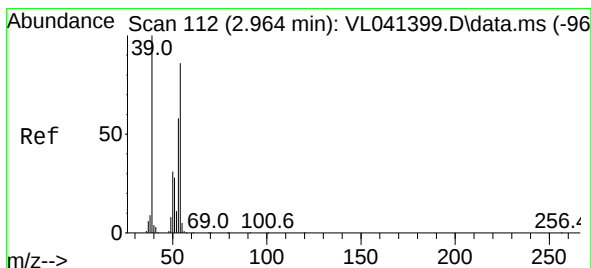
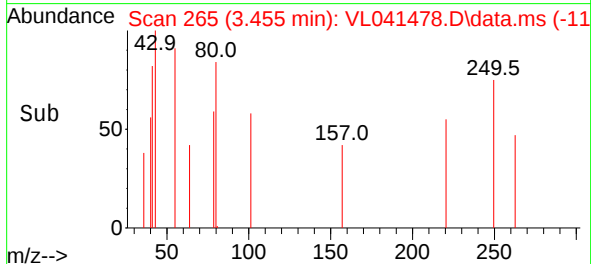
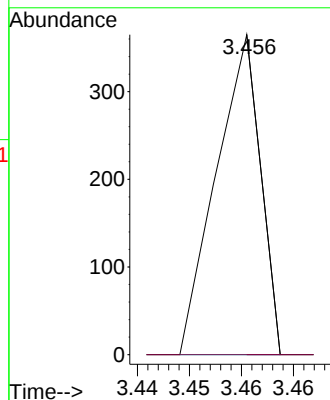
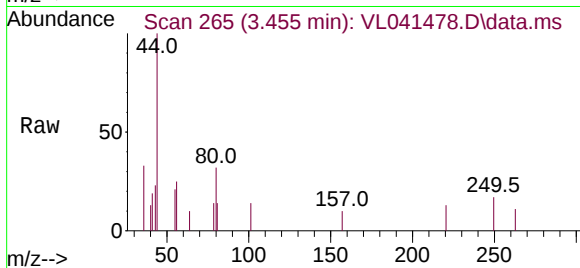
MDL-AIR-03-QT3-2024

Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.2#



#16

1,3-Butadiene

Concen: 0.010 ppbv

RT: 2.986 min Scan# 119

Delta R.T. -0.000 min

Lab File: VL041478.D

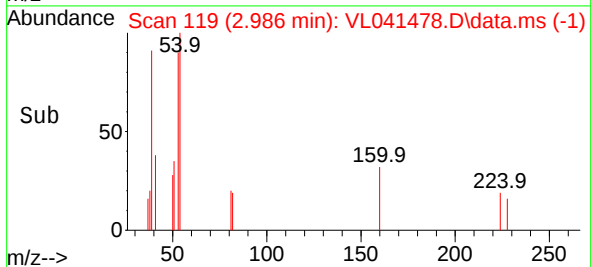
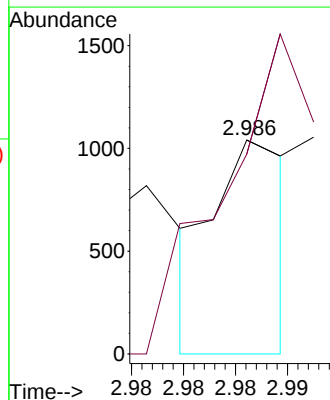
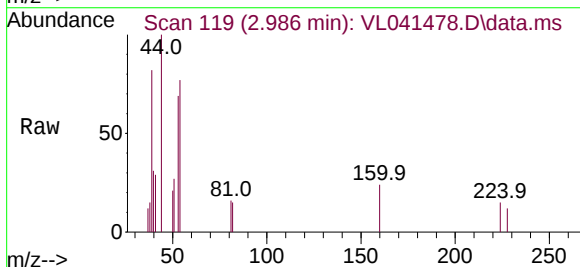
Acq: 1 Aug 2024 14:52

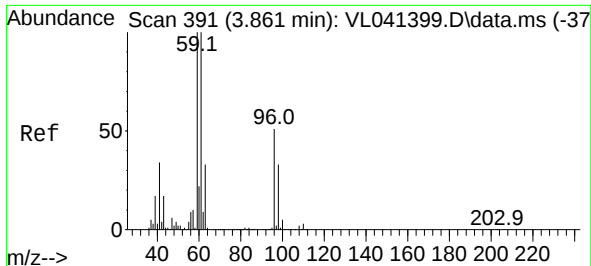
Tgt Ion: 39 Resp: 512

Ion Ratio Lower Upper

39 100

54 324.8 62.5 93.7#





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.013 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

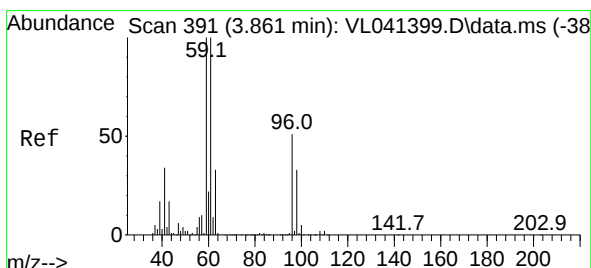
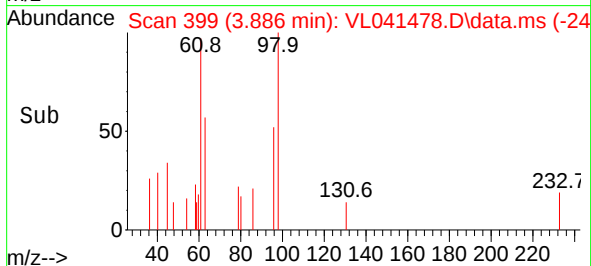
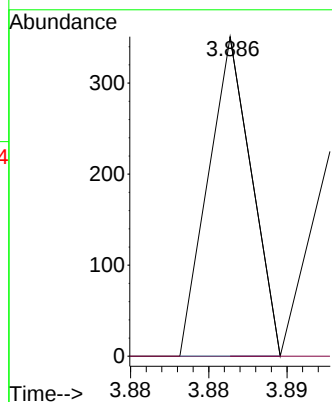
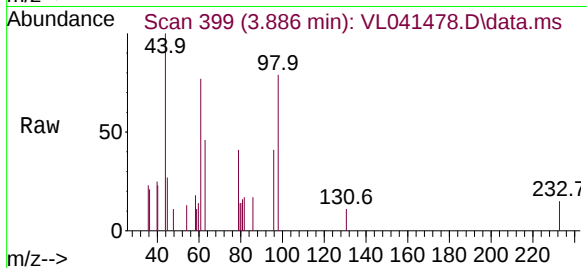
MDL-AIR-03-QT3-2024

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.022 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

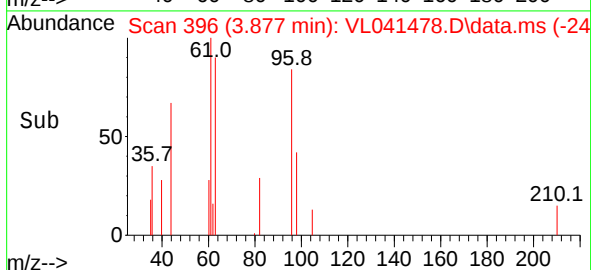
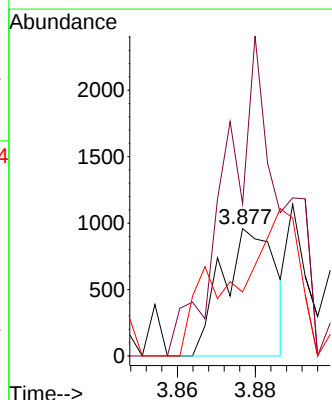
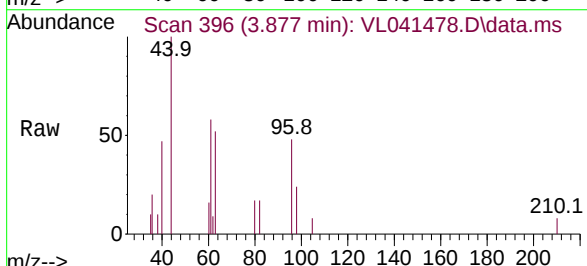
Tgt Ion: 96 Resp: 905

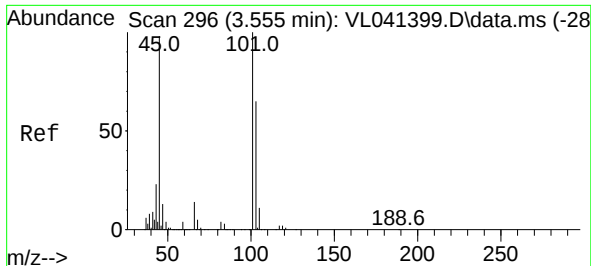
Ion Ratio Lower Upper

96 100

61 82.0 157.5 236.3#

98 50.3 51.2 76.8#





#19

Isopropyl Alcohol

Concen: 0.008 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.019 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

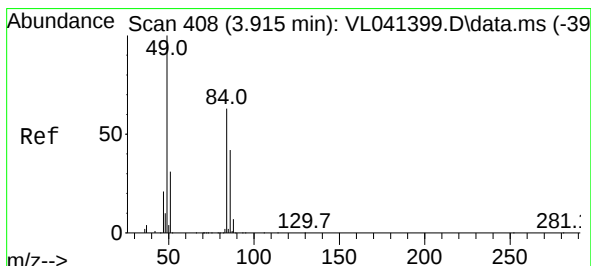
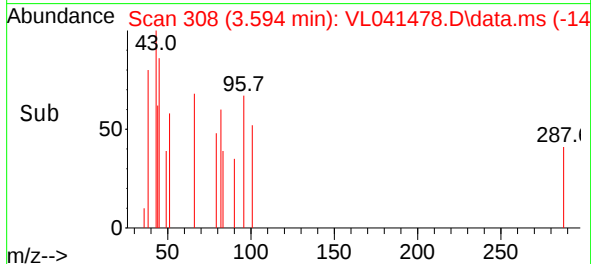
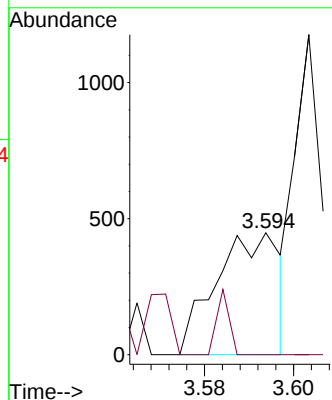
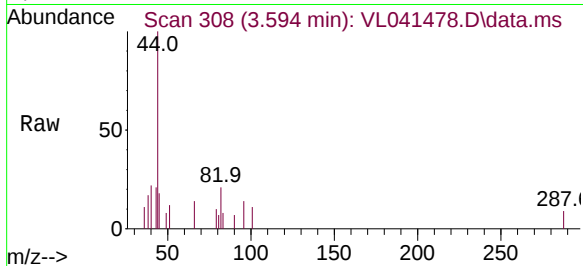
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 448

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 0.160 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion: 84 Resp: 5846

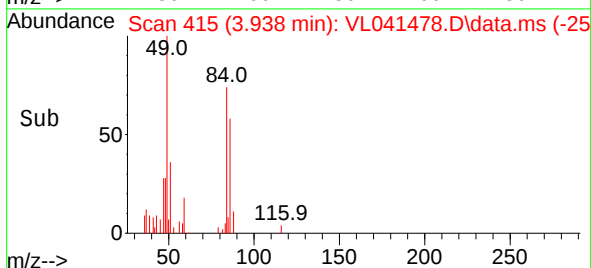
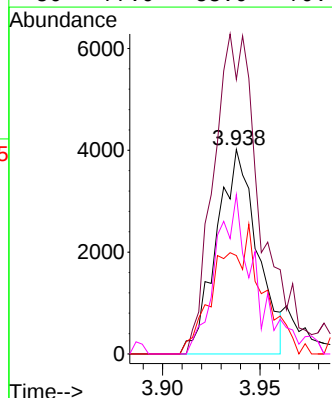
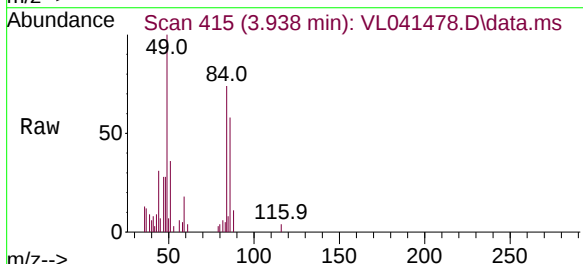
Ion Ratio Lower Upper

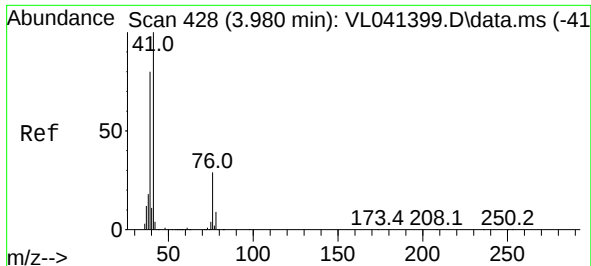
84 100

49 134.3 126.6 190.0

51 48.1 38.6 58.0

86 77.9 53.0 79.4





#21

Allyl Chloride

Concen: 0.027 ppbv

RT: 4.005 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

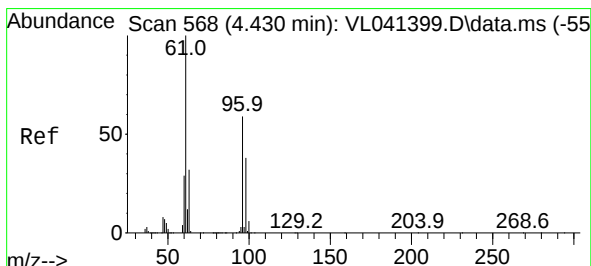
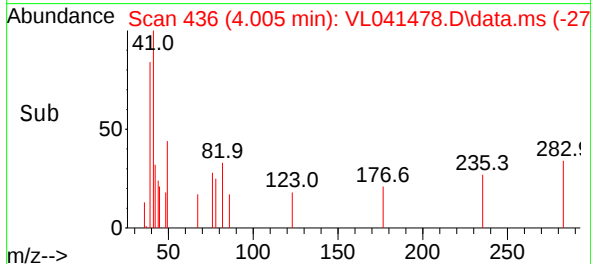
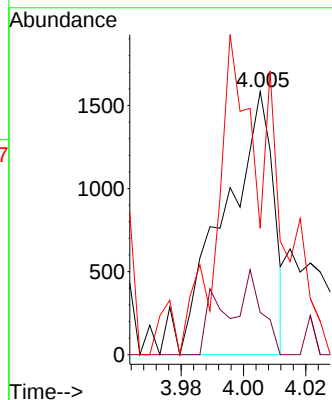
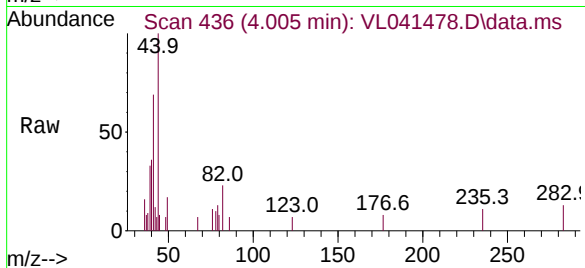
Tgt Ion: 41 Resp: 1704

Ion Ratio Lower Upper

41 100

76 26.3 23.7 35.5

39 136.4 64.3 96.5#



#22

trans-1,2-Dichloroethene

Concen: 0.022 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

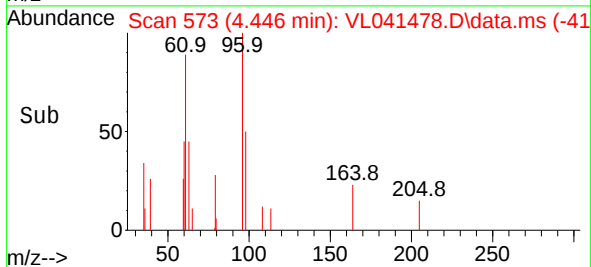
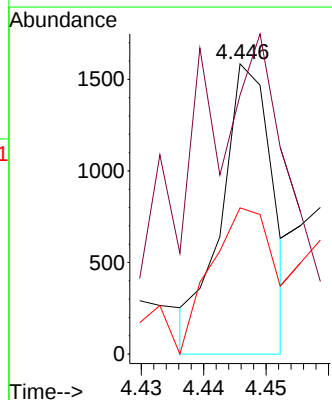
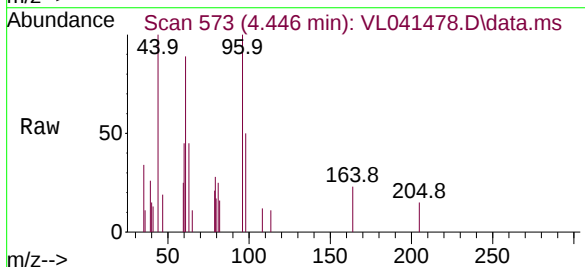
Tgt Ion: 96 Resp: 903

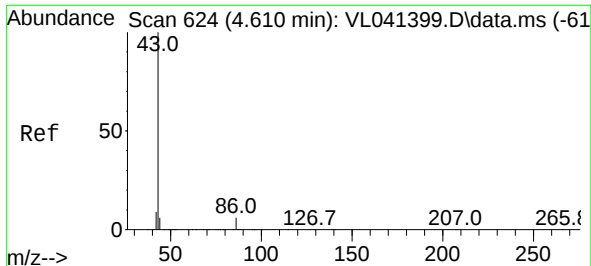
Ion Ratio Lower Upper

96 100

61 48.7 135.4 203.2#

98 59.9 51.0 76.4

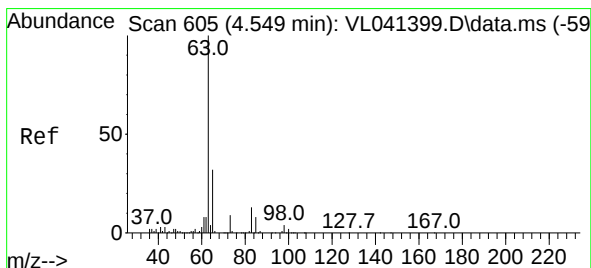
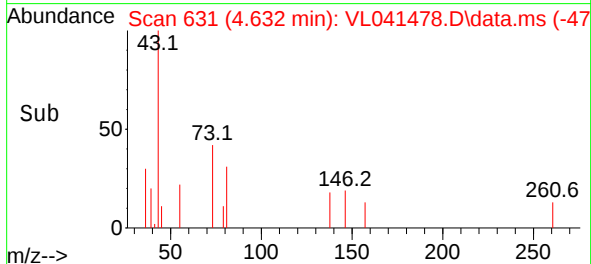
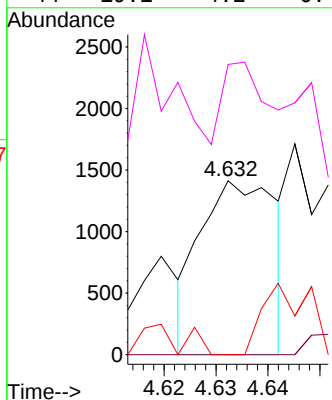
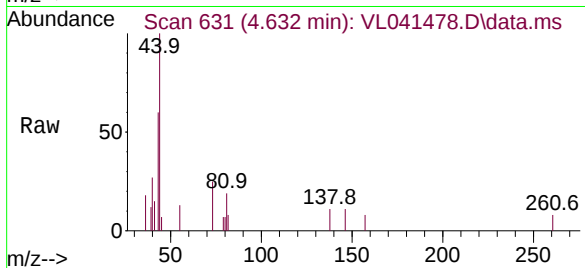




#23
 Vinyl Acetate
 Concen: 0.019 ppbv
 RT: 4.632 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL041478.D
 Acq: 1 Aug 2024 14:52

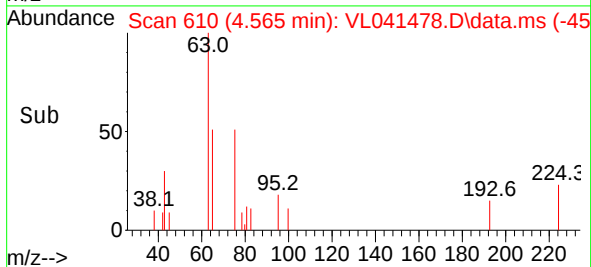
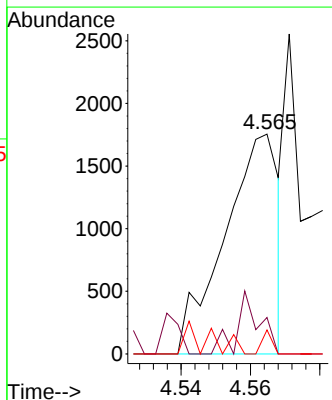
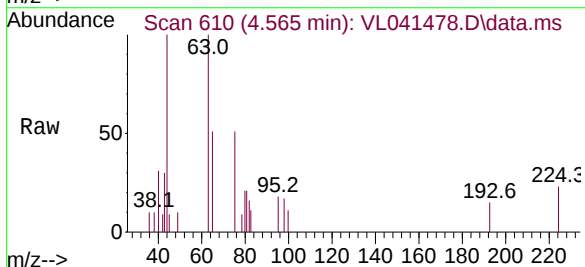
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT3-2024

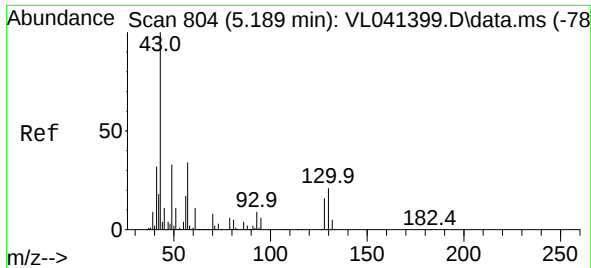
Tgt	Ion: 43	Resp:	1423
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.6	6.8#
42	0.0	7.9	11.9#
44	19.1	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.022 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL041478.D
 Acq: 1 Aug 2024 14:52

Tgt Ion: 63	Resp: 1897
Ion Ratio	Lower Upper
63 100	
98 16.6	2.0 6.0#
100 10.9	1.2 3.6#

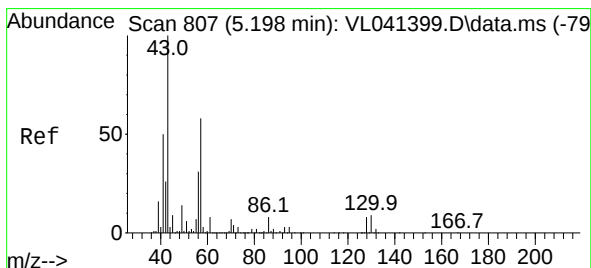
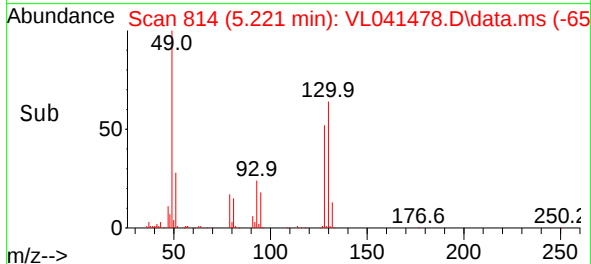
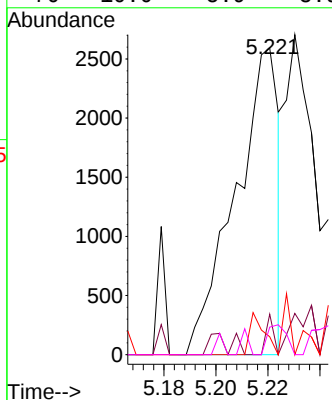
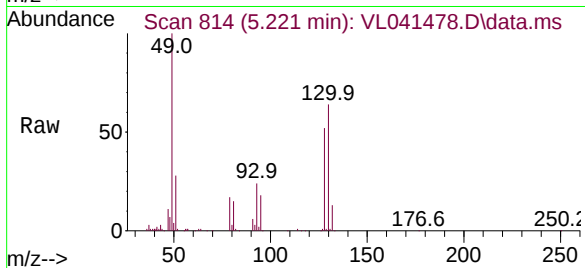




#25
Ethyl Acetate
Concen: 0.015 ppbv
RT: 5.221 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

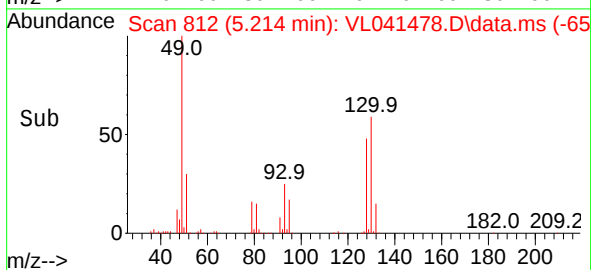
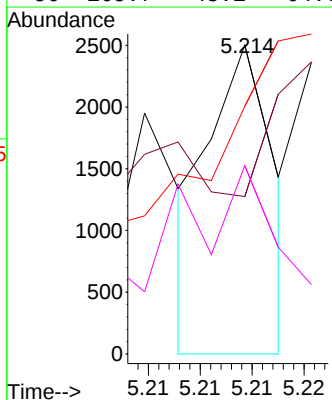
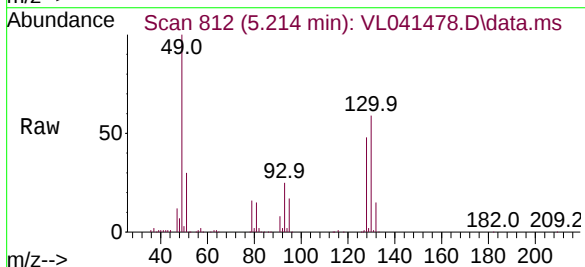
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

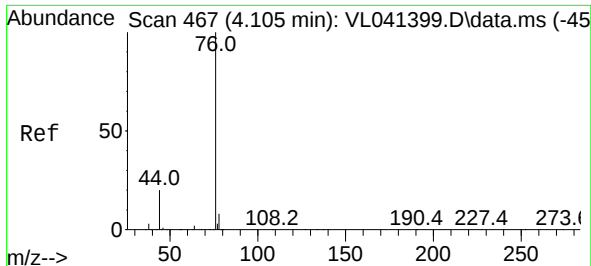
Tgt Ion:	43	Resp:	2973
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	4.6	8.0	12.0#
70	10.0	5.9	8.9#



#26
Hexane
Concen: 0.014 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion:	57	Resp:	1095
Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.0	111.0#
43	0.0	193.6	290.4#
56	165.7	43.1	64.7#





#27

Carbon Disulfide

Concen: 0.008 ppbv

RT: 4.128 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

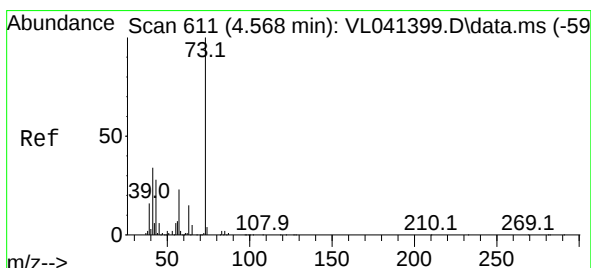
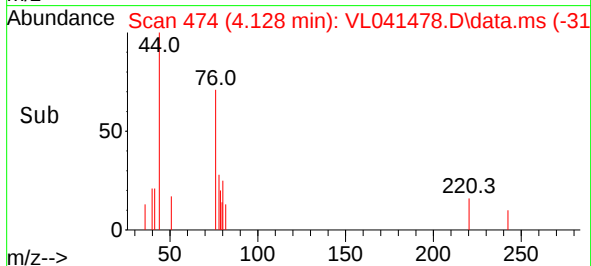
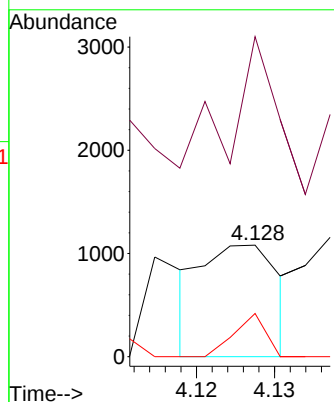
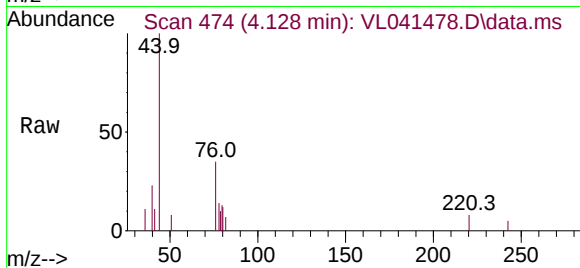
Tgt Ion: 76 Resp: 735

Ion Ratio Lower Upper

76 100

44 366.4 15.6 23.4#

78 15.9 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.008 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.016 min

Lab File: VL041478.D

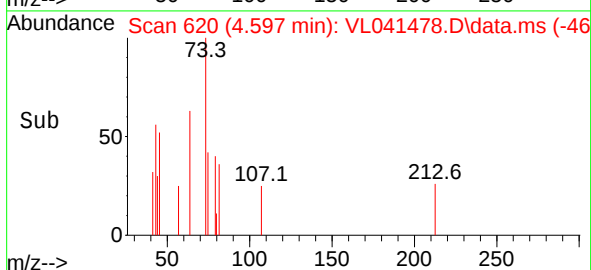
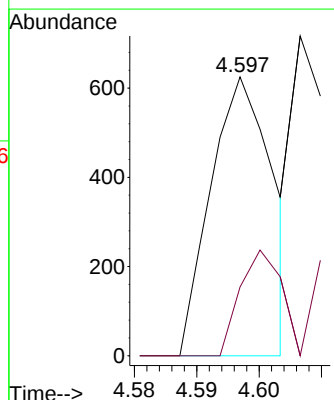
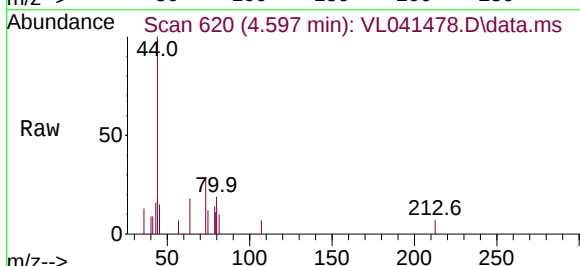
Acq: 1 Aug 2024 14:52

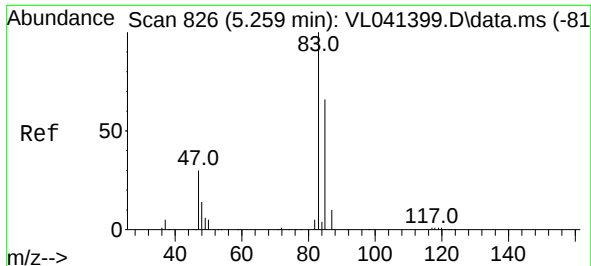
Tgt Ion: 73 Resp: 430

Ion Ratio Lower Upper

73 100

57 0.0 18.9 28.3#





#29

Chloroform

Concen: 0.035 ppbv

RT: 5.279 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

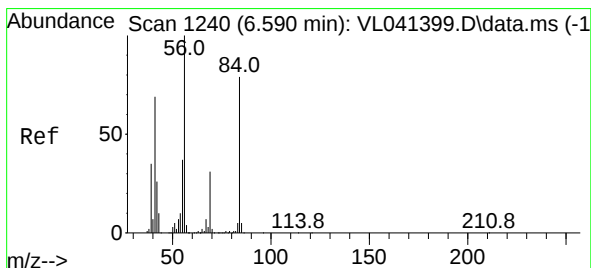
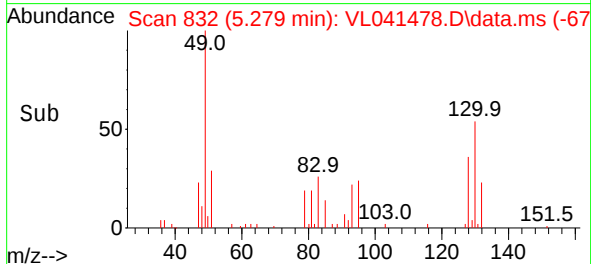
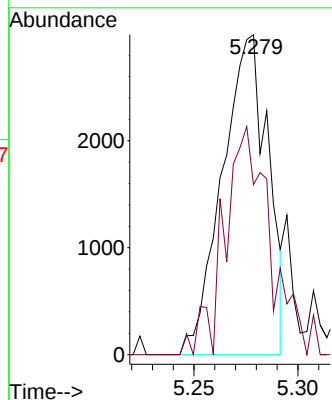
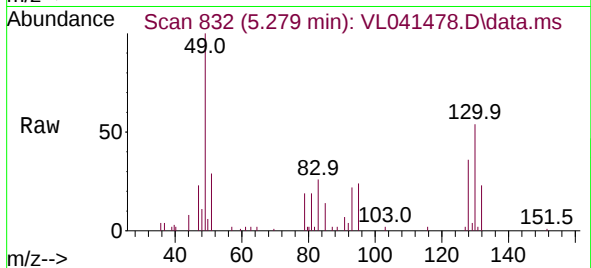
MDL-AIR-03-QT3-2024

Tgt Ion: 83 Resp: 4570

Ion Ratio Lower Upper

83 100

85 53.2 53.1 79.7



#30

Cyclohexane

Concen: 0.005 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

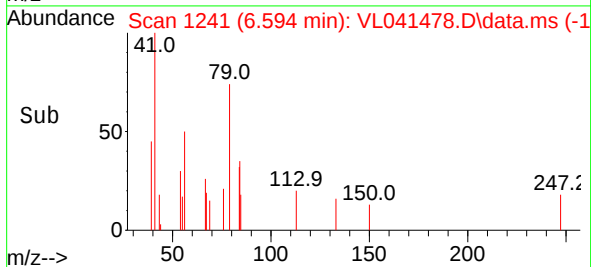
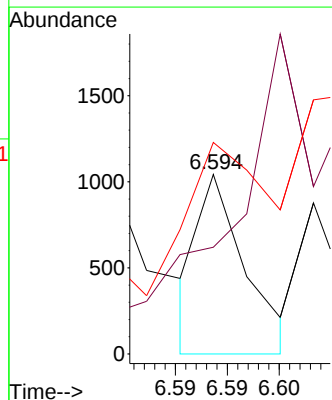
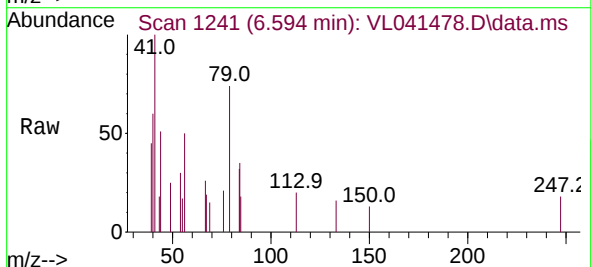
Tgt Ion: 84 Resp: 329

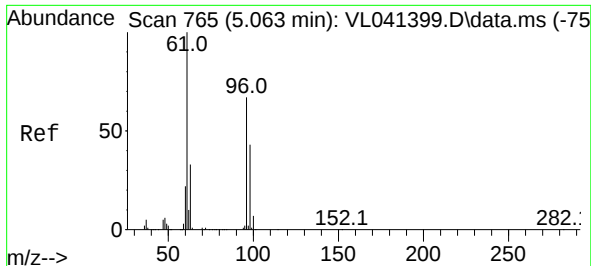
Ion Ratio Lower Upper

84 100

56 0.0 111.2 166.8#

41 0.0 70.3 105.5#





#31

cis-1,2-Dichloroethene

Concen: 0.016 ppbv

RT: 5.076 min Scan# 7

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

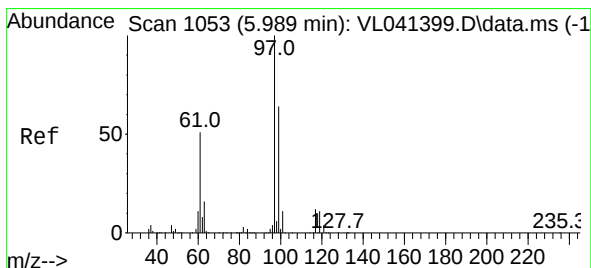
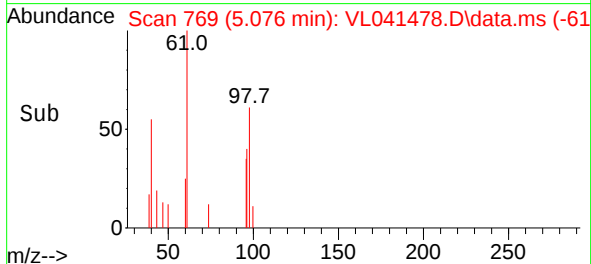
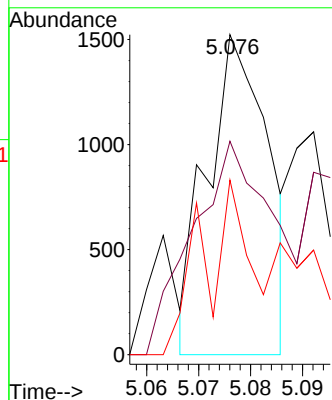
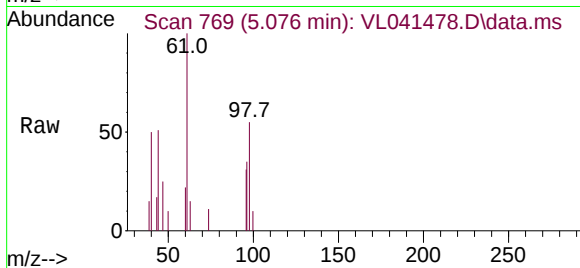
Tgt Ion: 61 Resp: 1241

Ion Ratio Lower Upper

61 100

96 42.8 53.4 80.2#

98 48.3 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.026 ppbv

RT: 5.999 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

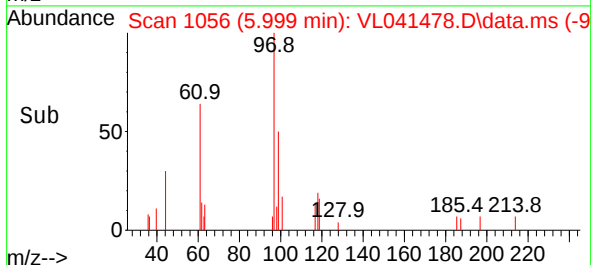
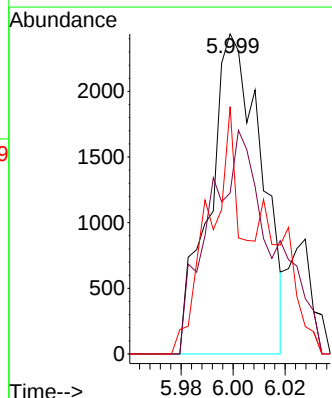
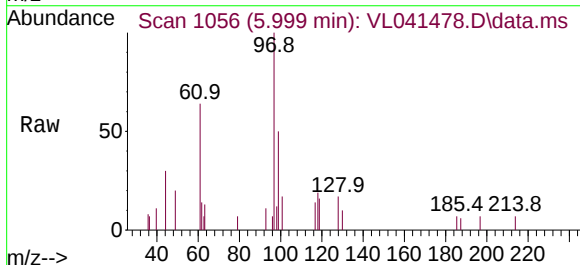
Tgt Ion: 97 Resp: 3359

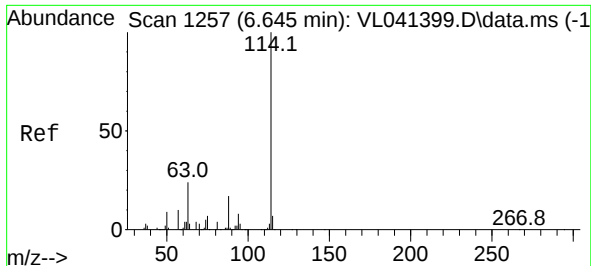
Ion Ratio Lower Upper

97 100

99 86.6 52.0 78.0#

61 77.2 41.8 62.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

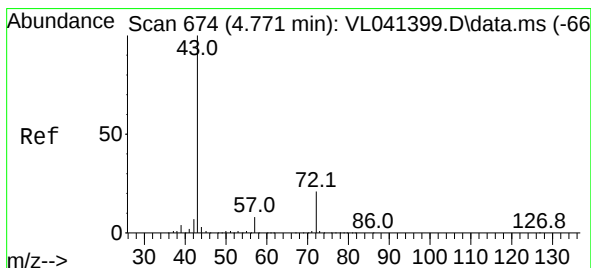
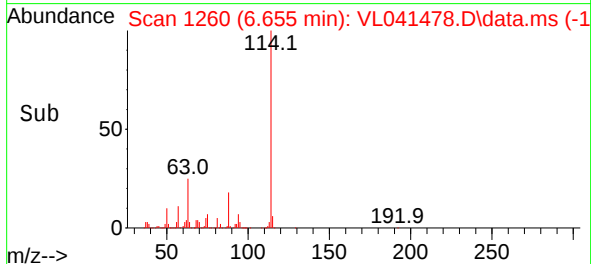
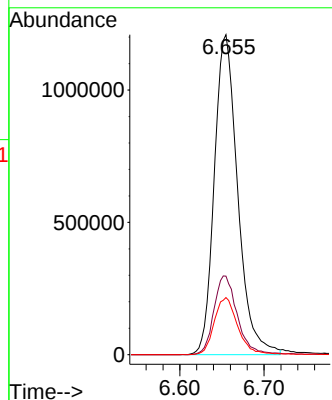
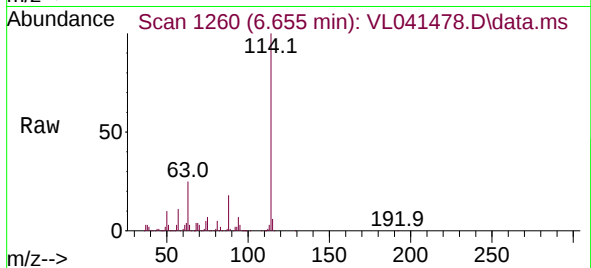
Tgt Ion:114 Resp: 2334703

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.001 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.006 min

Lab File: VL041478.D

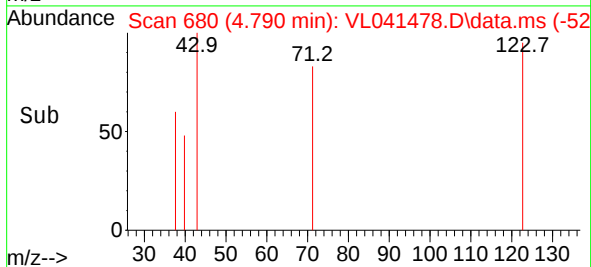
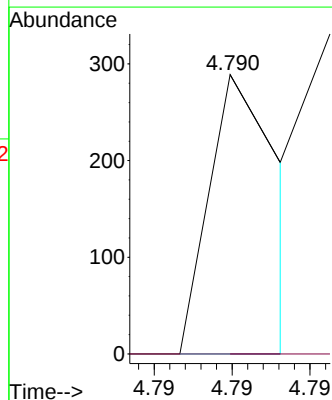
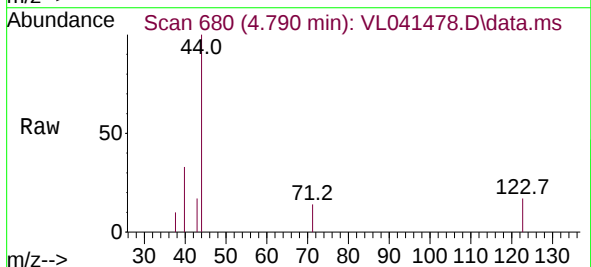
Acq: 1 Aug 2024 14:52

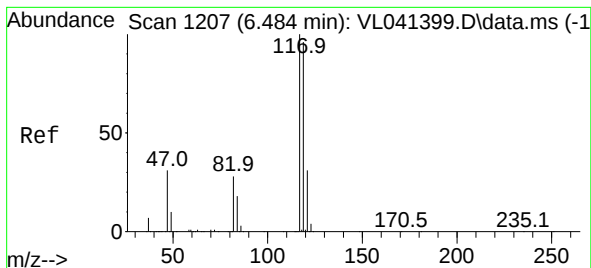
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

72 0.0 17.3 25.9#





#35

Carbon Tetrachloride

Concen: 0.017 ppbv

RT: 6.494 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

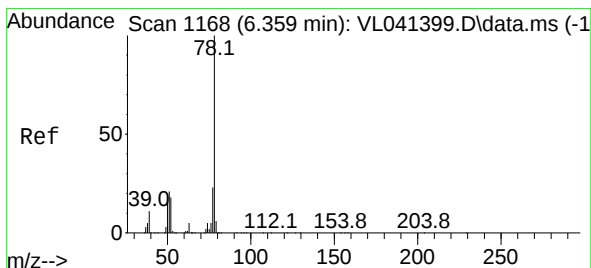
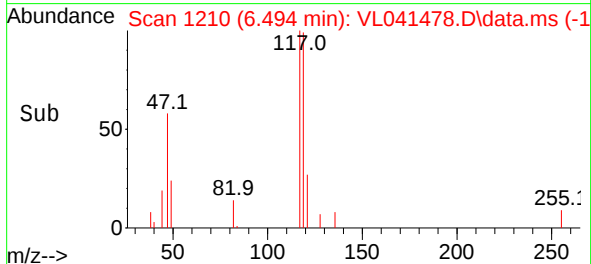
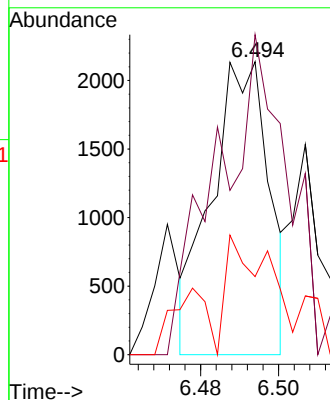
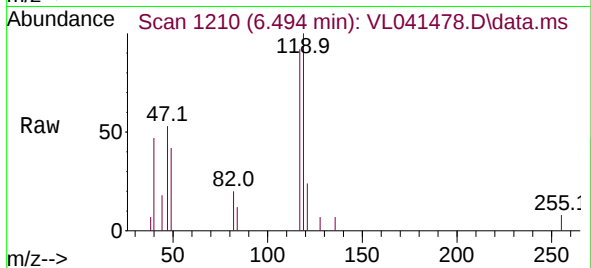
Tgt Ion:117 Resp: 2187

Ion Ratio Lower Upper

117 100

119 109.8 76.6 115.0

121 15.3 25.1 37.7#



#36

Benzene

Concen: 0.020 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

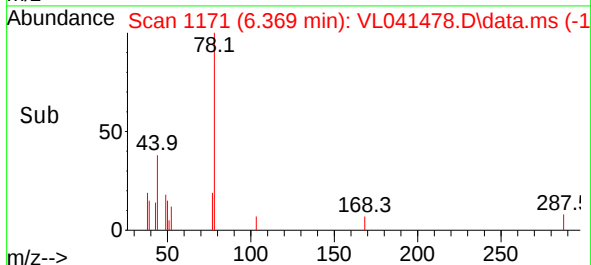
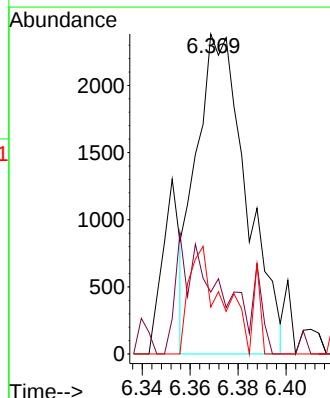
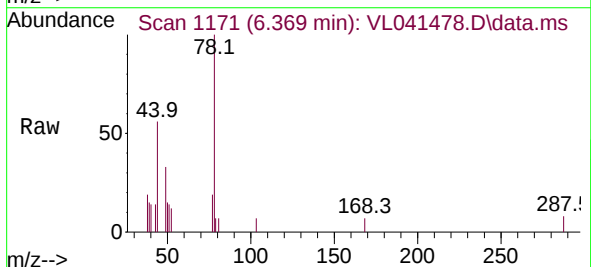
Tgt Ion: 78 Resp: 3455

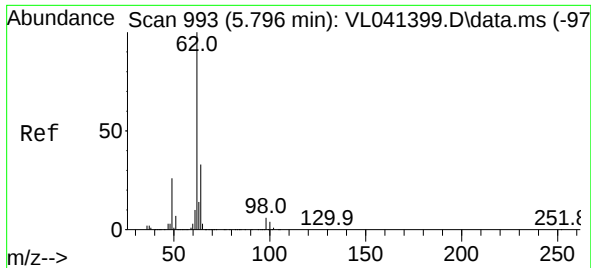
Ion Ratio Lower Upper

78 100

77 21.4 18.1 27.1

50 16.2 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.031 ppbv

RT: 5.816 min Scan# 993

Delta R.T. 0.010 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

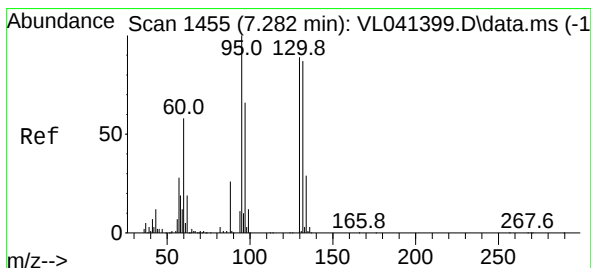
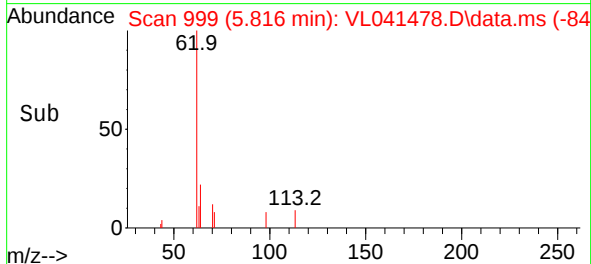
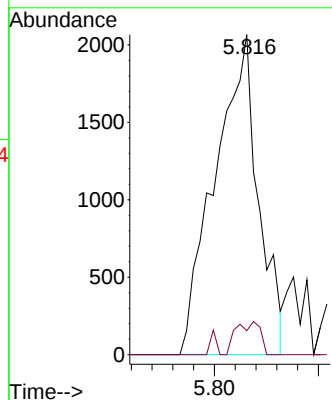
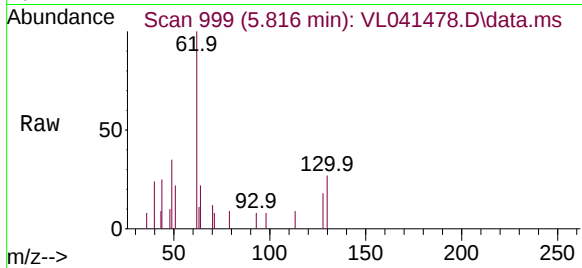
MDL-AIR-03-QT3-2024

Tgt Ion: 62 Resp: 2992

Ion Ratio Lower Upper

62 100

98 6.9 5.0 7.4



#38

Trichloroethene

Concen: 0.015 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion:130 Resp: 1164

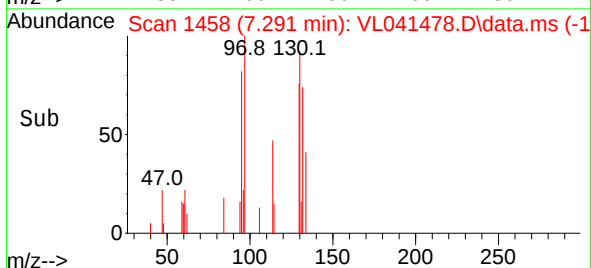
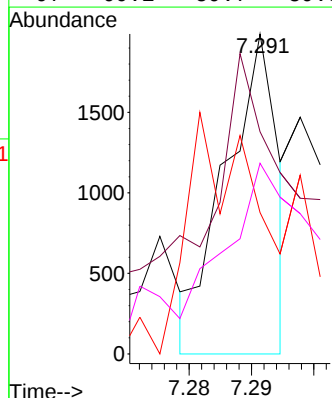
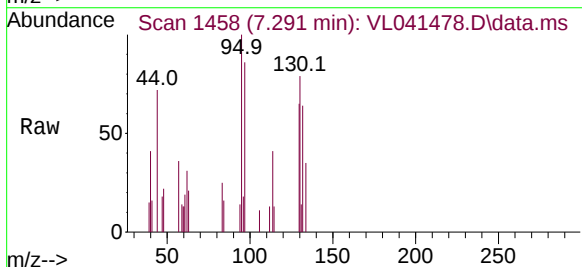
Ion Ratio Lower Upper

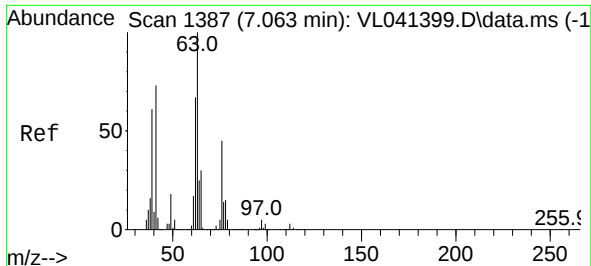
130 100

95 40.3 90.2 135.2#

132 19.5 78.1 117.1#

97 60.2 59.7 89.5





#39

1,2-Dichloropropane

Concen: 8.704 ppbv

RT: 6.652 min Scan# 1455

Delta R.T. -0.418 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

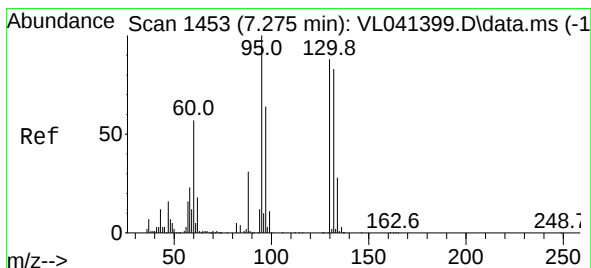
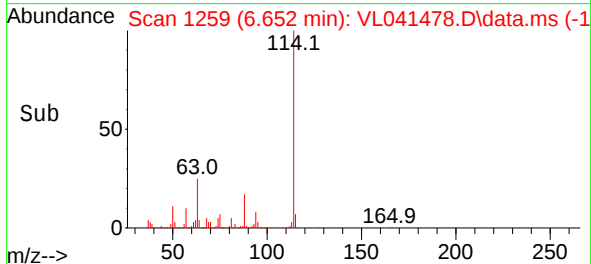
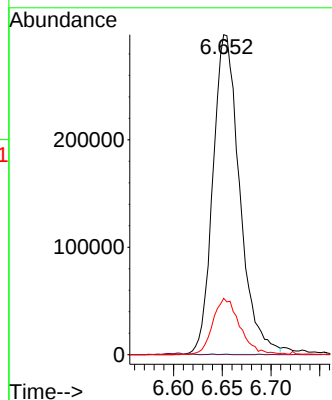
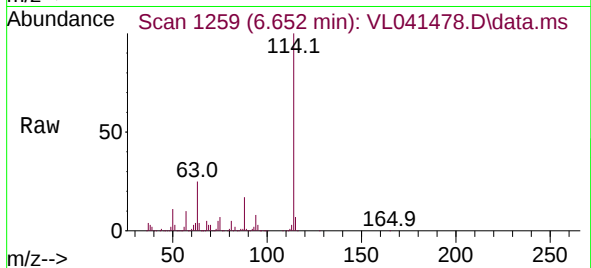
Tgt Ion: 63 Resp: 568459

Ion Ratio Lower Upper

63 100

41 0.1 58.3 87.5#

62 17.6 53.9 80.9#



#40

1,4-Dioxane

Concen: 0.001 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion: 88 Resp: 29

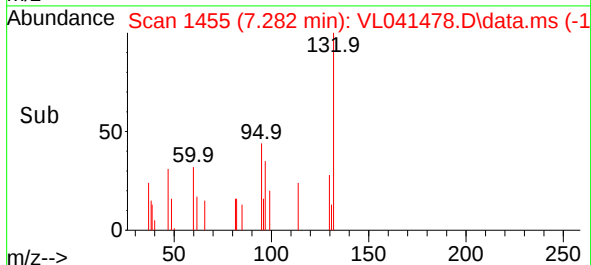
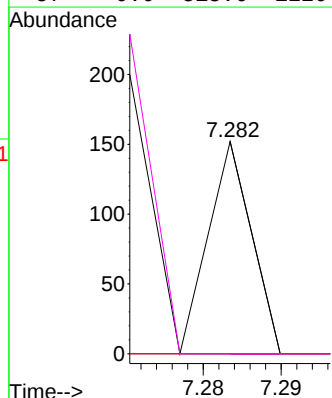
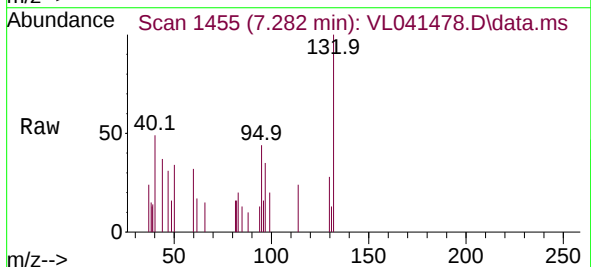
Ion Ratio Lower Upper

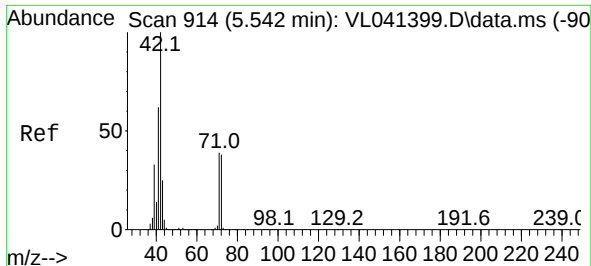
88 100

58 0.0 95.8 143.6#

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.003 ppbv

RT: 5.587 min Scan# 914

Delta R.T. 0.035 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

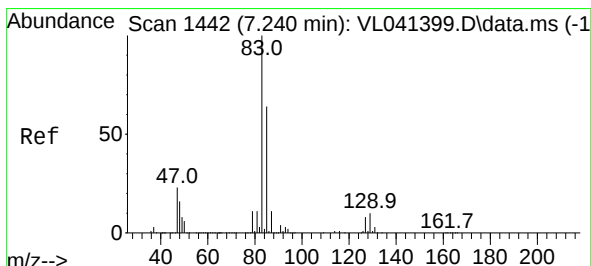
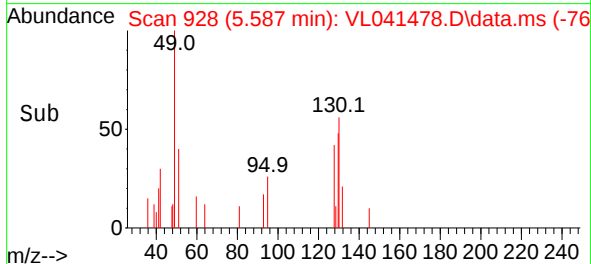
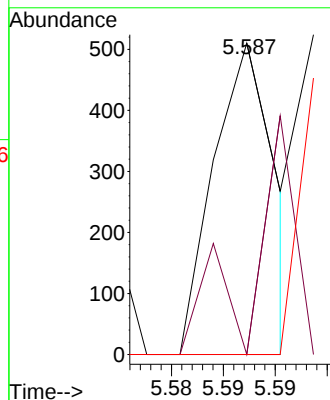
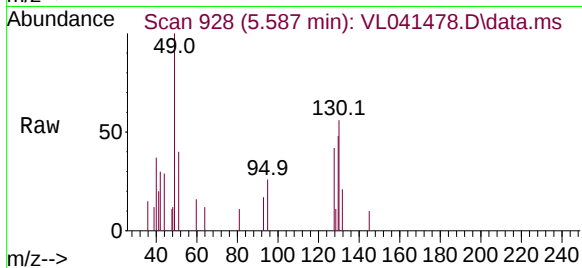
Tgt Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

71 16.5 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.010 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

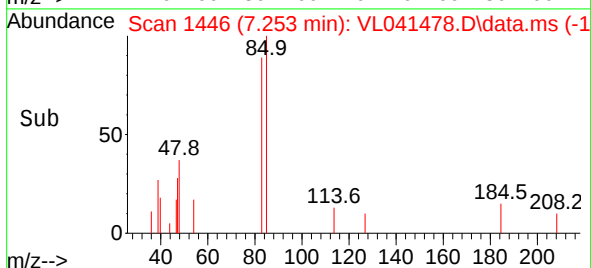
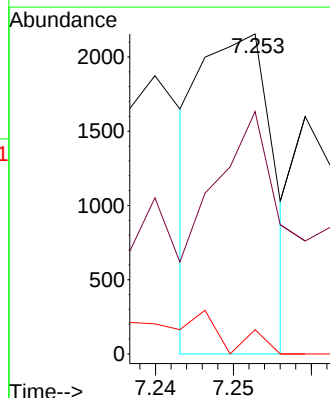
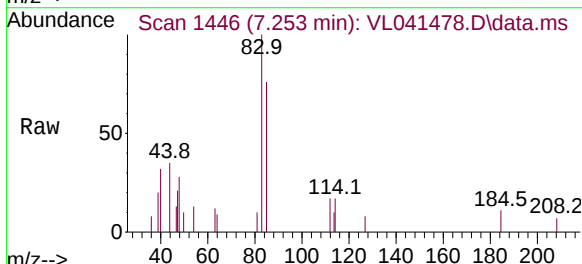
Tgt Ion: 83 Resp: 1400

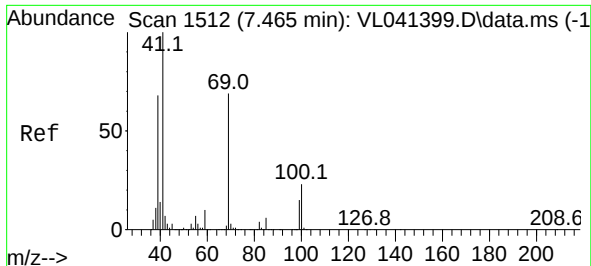
Ion Ratio Lower Upper

83 100

85 90.0 51.4 77.0#

127 14.5 6.7 10.1#





#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 7.471 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041478.D

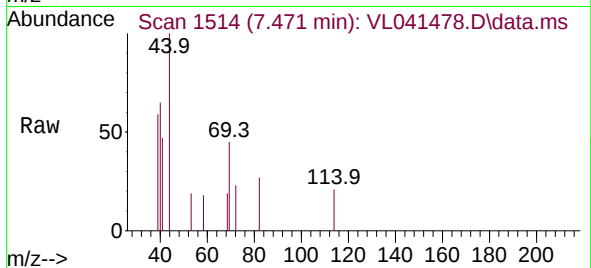
Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

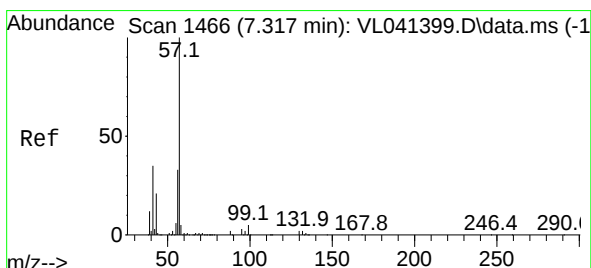
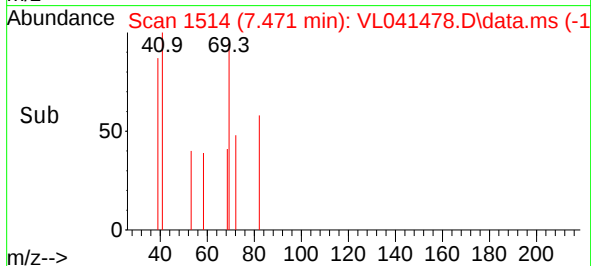
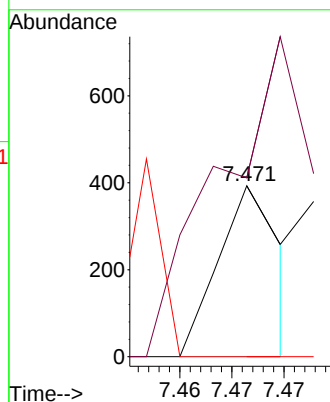
ClientSampleId :

MDL-AIR-03-QT3-2024



Tgt Ion: 69 Resp: 162

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.7	178.1#
100	0.0	27.0	40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.004 ppbv

RT: 7.324 min Scan# 1468

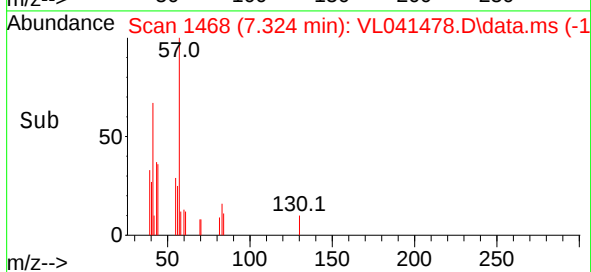
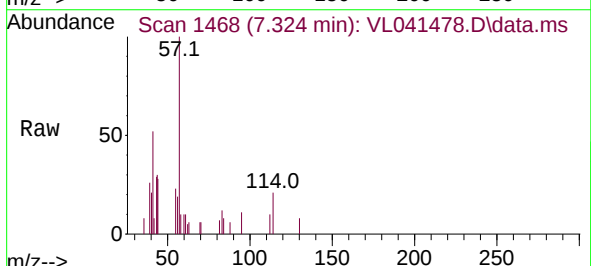
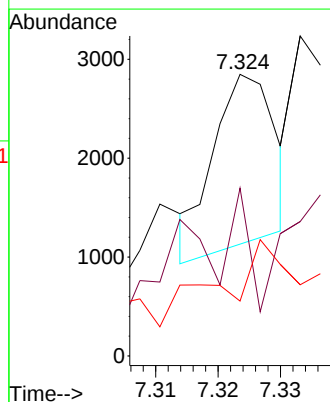
Delta R.T. -0.000 min

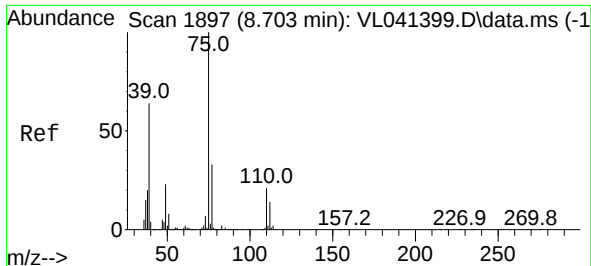
Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion: 57 Resp: 1179

Ion	Ratio	Lower	Upper
57	100		
41	278.5	27.0	40.6#
56	169.0	25.2	37.8#





#45

t-1,3-Dichloropropene

Concen: 0.004 ppbv

RT: 8.719 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

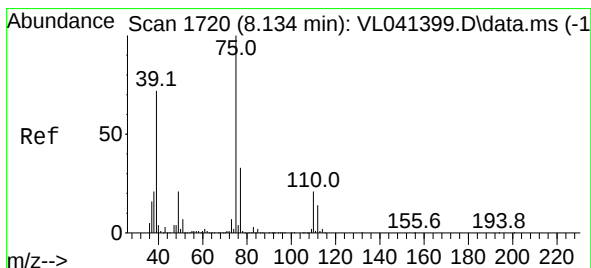
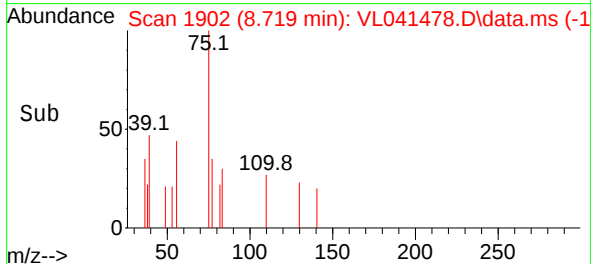
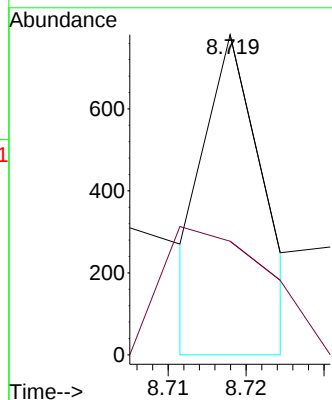
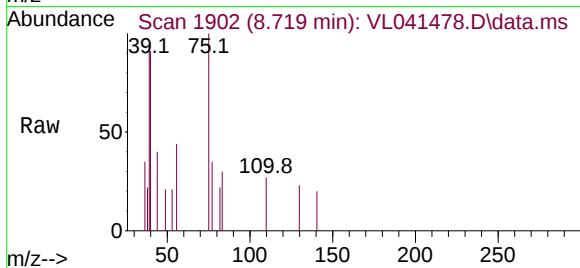
MDL-AIR-03-QT3-2024

Tgt Ion: 75 Resp: 199

Ion Ratio Lower Upper

75 100

77 35.5 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 0.006 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

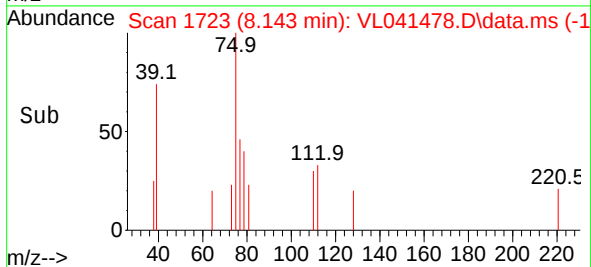
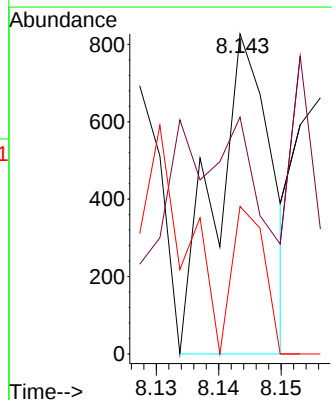
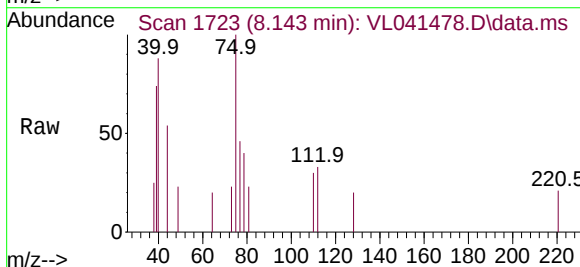
Tgt Ion: 75 Resp: 515

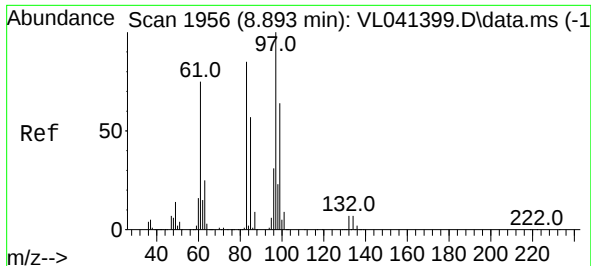
Ion Ratio Lower Upper

75 100

39 39.7 57.3 85.9#

77 46.1 26.2 39.2#





#47

1,1,2-Trichloroethane

Concen: 0.010 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

Tgt Ion: 97 Resp: 713

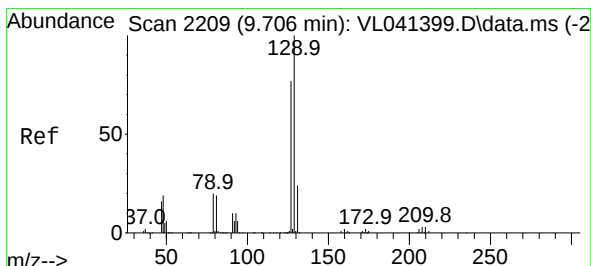
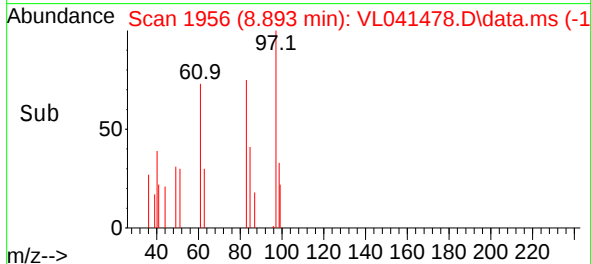
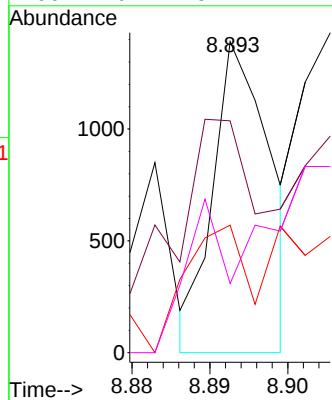
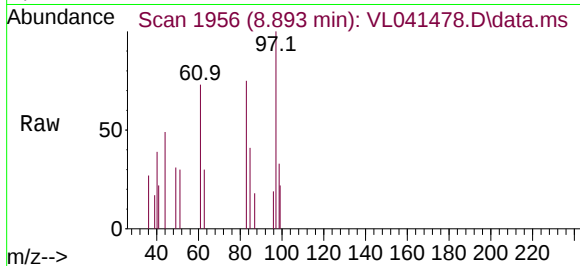
Ion Ratio Lower Upper

97 100

83 52.5 67.6 101.4#

85 20.1 45.9 68.9#

99 0.7 51.4 77.0#



#48

Dibromochloromethane

Concen: 0.004 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VL041478.D

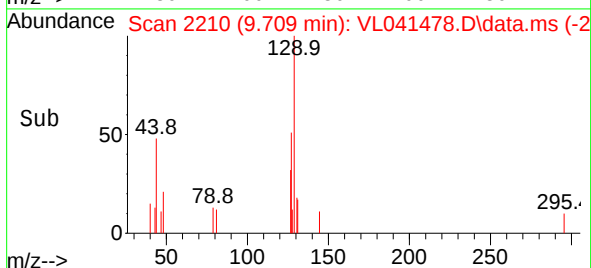
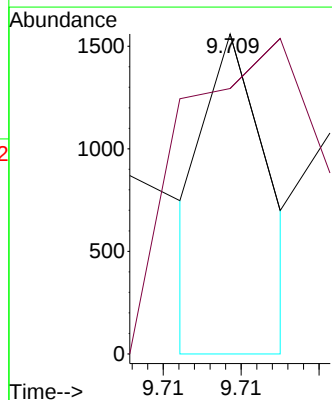
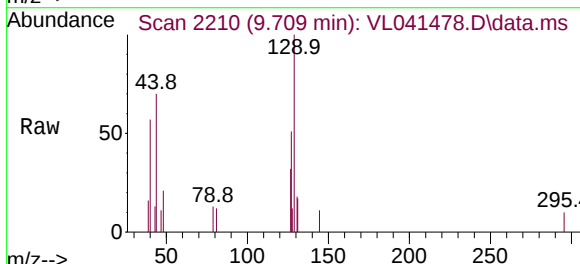
Acq: 1 Aug 2024 14:52

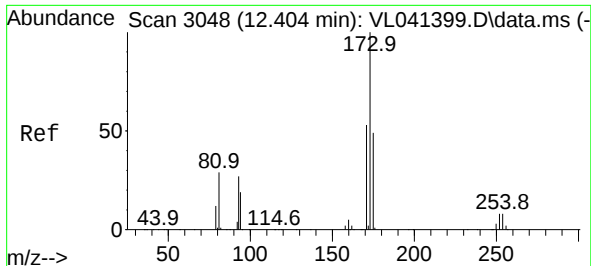
Tgt Ion: 129 Resp: 436

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.8#





#49

Bromoform

Concen: 0.010 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

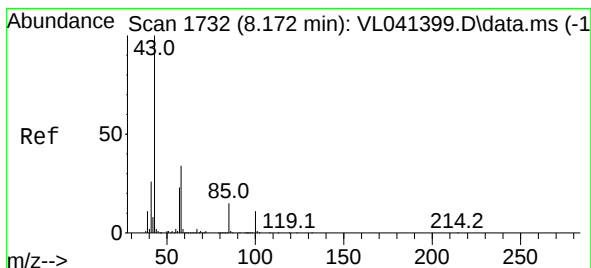
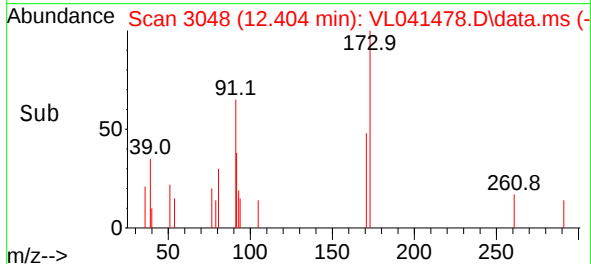
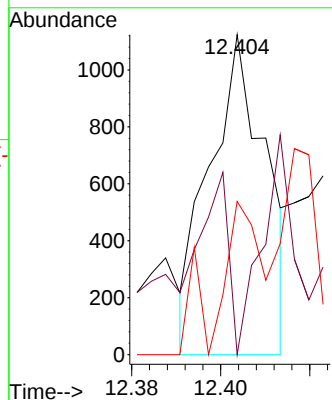
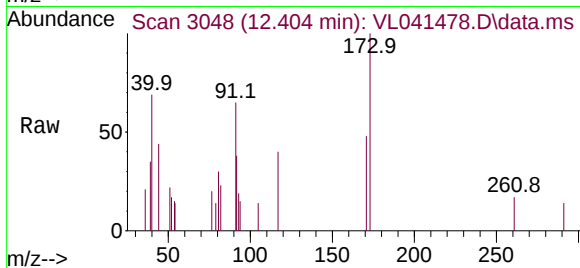
Tgt Ion:173 Resp: 984

Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.005 ppbv

RT: 8.208 min Scan# 1743

Delta R.T. 0.029 min

Lab File: VL041478.D

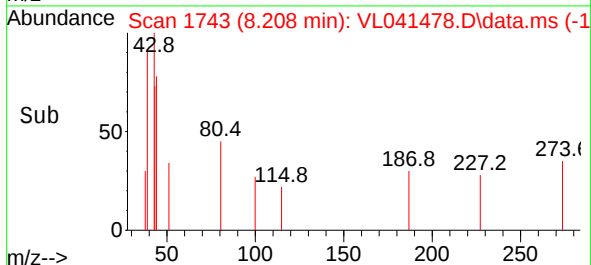
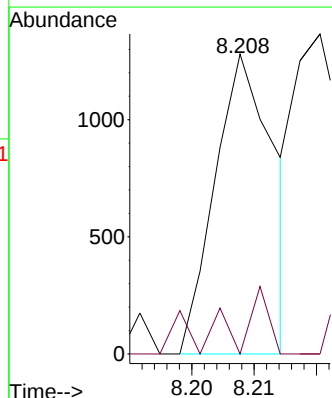
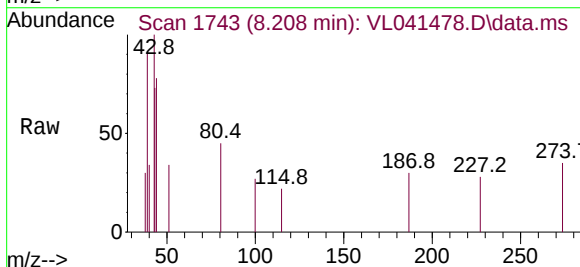
Acq: 1 Aug 2024 14:52

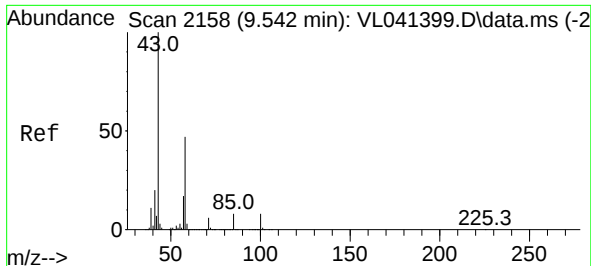
Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

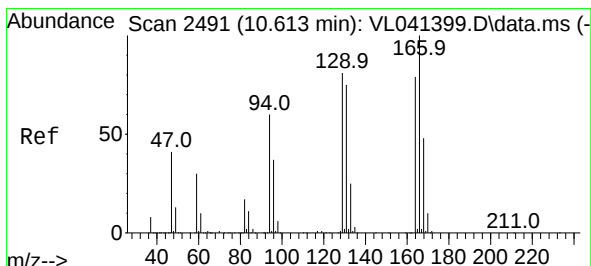
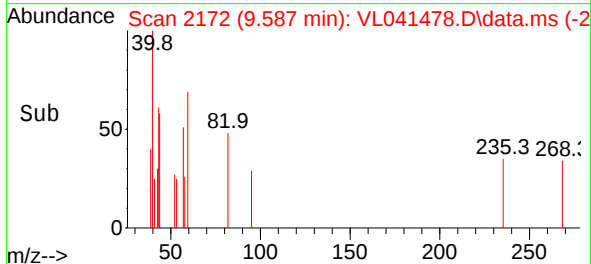
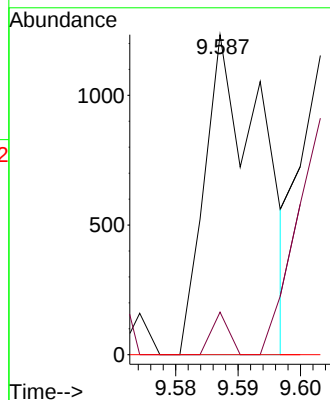
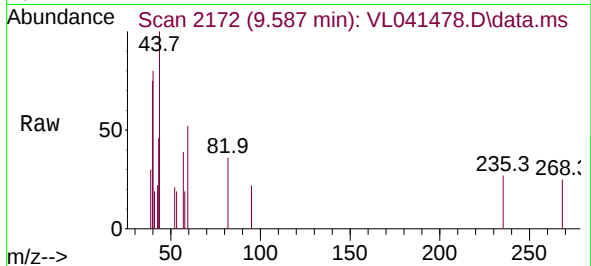




#51
2-Hexanone
Concen: 0.006 ppbv
RT: 9.587 min Scan# 2158
Delta R.T. 0.042 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

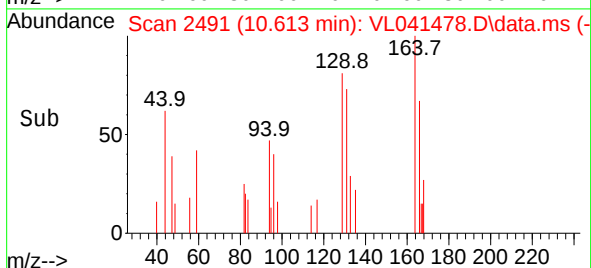
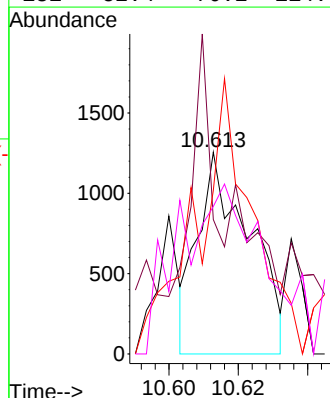
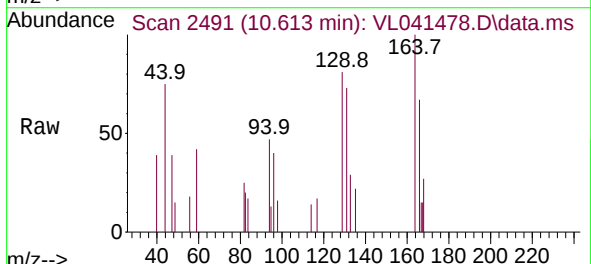
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

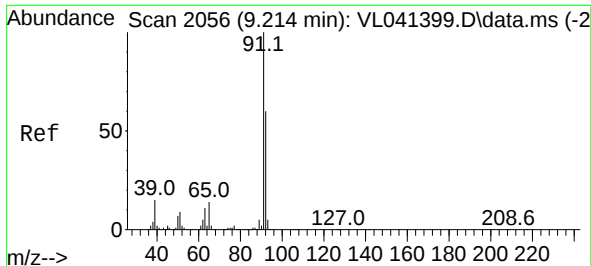
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.020 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.000 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion: 164 Resp: 1309
Ion Ratio Lower Upper
164 100
166 46.5 101.1 151.7#
129 57.0 81.7 122.5#
131 52.4 76.2 114.4#





#53

Toluene

Concen: 0.017 ppbv

RT: 9.224 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

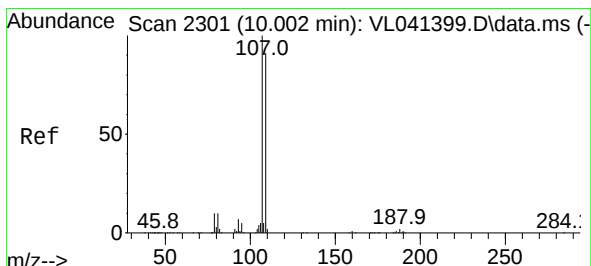
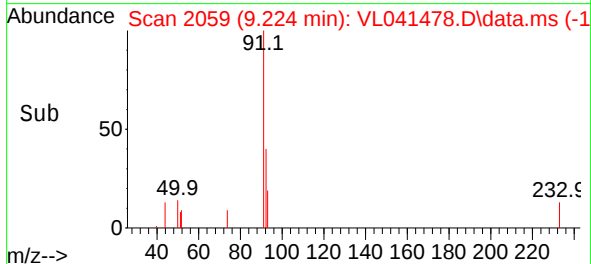
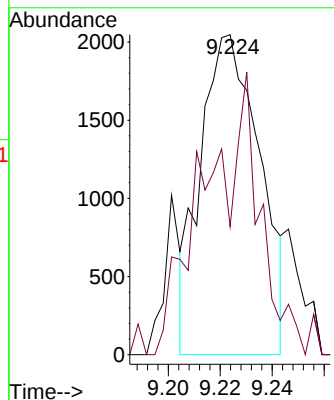
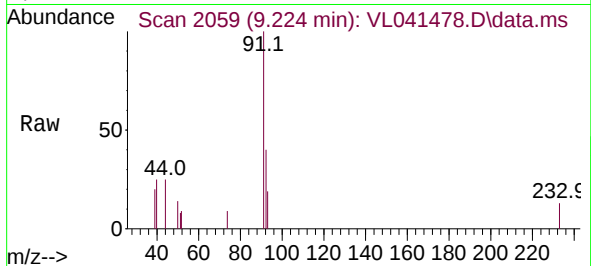
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 3251

Ion Ratio Lower Upper

91 100

92 83.6 48.7 73.1#



#54

1,2-Dibromoethane

Concen: 0.007 ppbv

RT: 10.021 min Scan# 2307

Delta R.T. 0.013 min

Lab File: VL041478.D

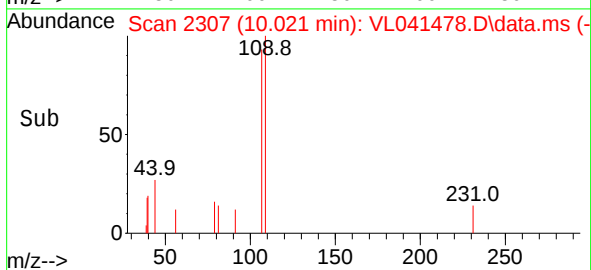
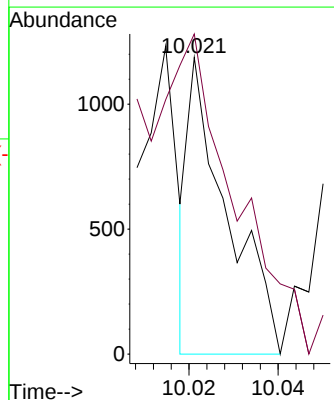
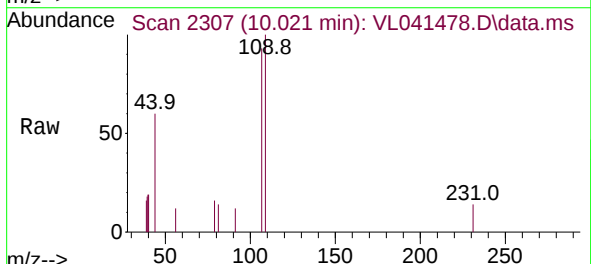
Acq: 1 Aug 2024 14:52

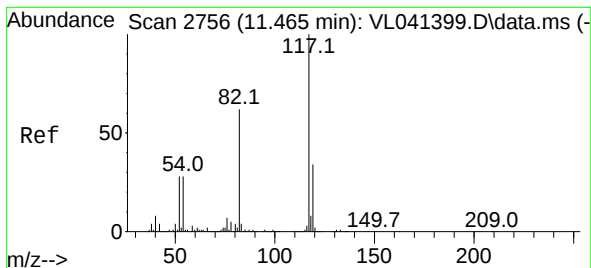
Tgt Ion: 107 Resp: 717

Ion Ratio Lower Upper

107 100

109 84.2 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

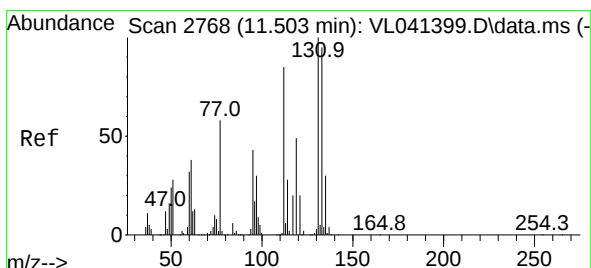
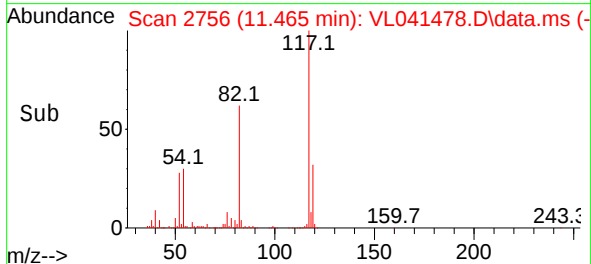
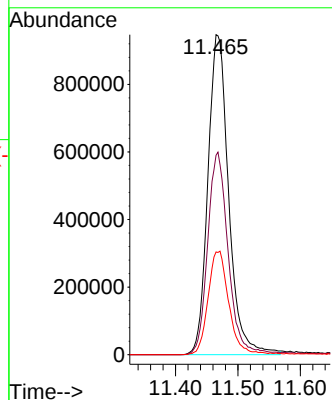
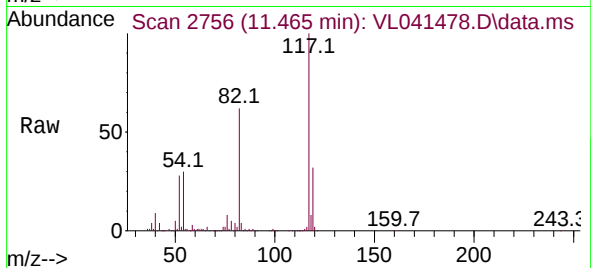
Tgt Ion:117 Resp: 2191302

Ion Ratio Lower Upper

117 100

82 63.6 51.0 76.6

119 32.5 45.2 67.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 0.004 ppbv

RT: 11.503 min Scan# 2768

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

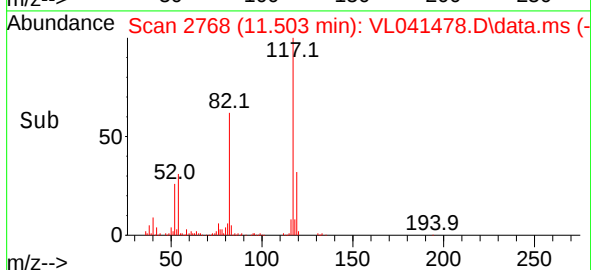
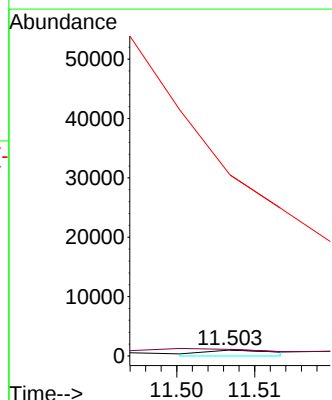
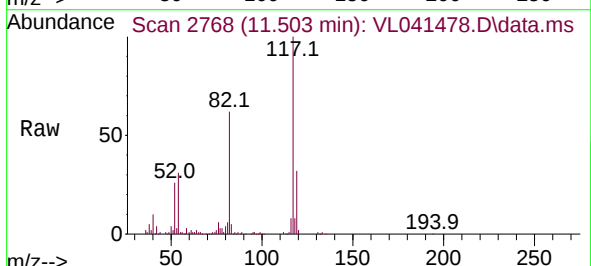
Tgt Ion:131 Resp: 324

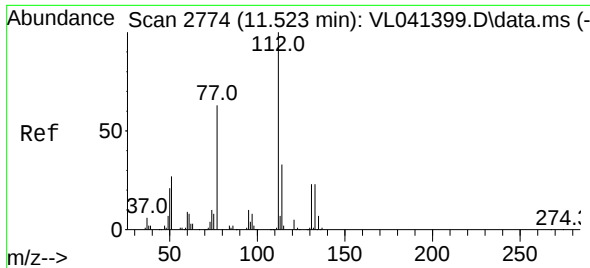
Ion Ratio Lower Upper

131 100

133 779.9 77.0 115.4#

119 0.0 121.5 182.3#

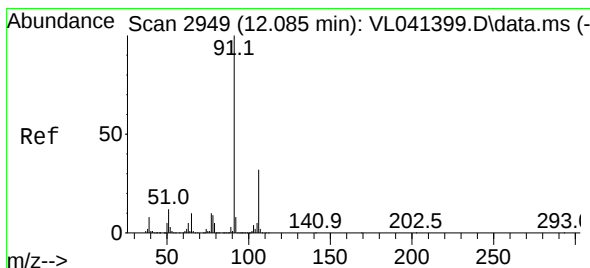
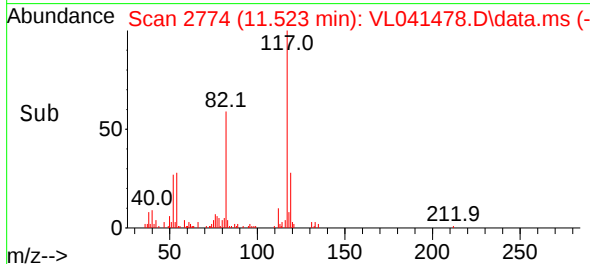
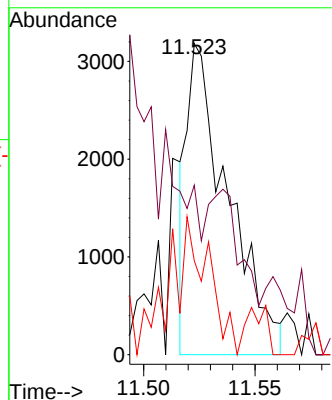
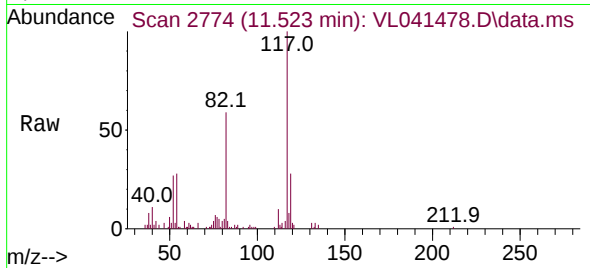




#57
Chlorobenzene
Concen: 0.026 ppbv
RT: 11.523 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

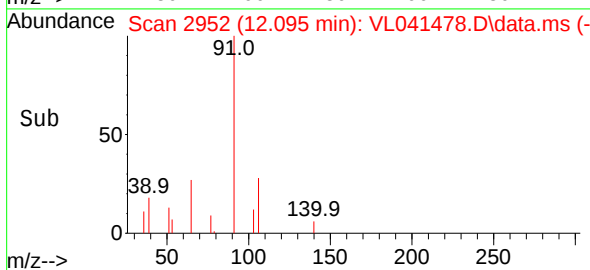
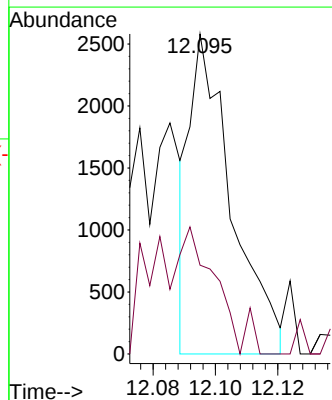
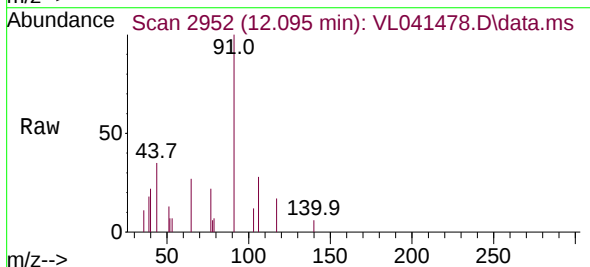
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

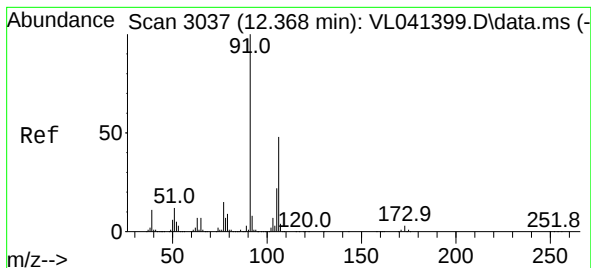
Tgt Ion:112 Resp: 4088
Ion Ratio Lower Upper
112 100
77 37.4 51.1 76.7#
114 33.6 29.5 36.1



#58
Ethyl Benzene
Concen: 0.010 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.010 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion: 91 Resp: 2411
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8





#59

m/p-Xylene

Concen: 0.003 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

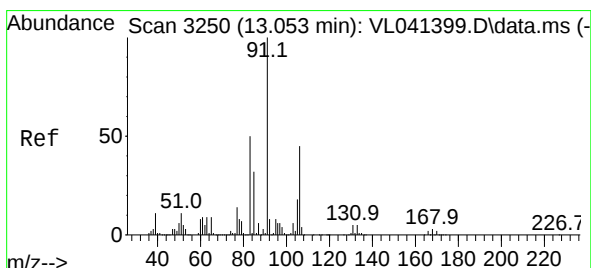
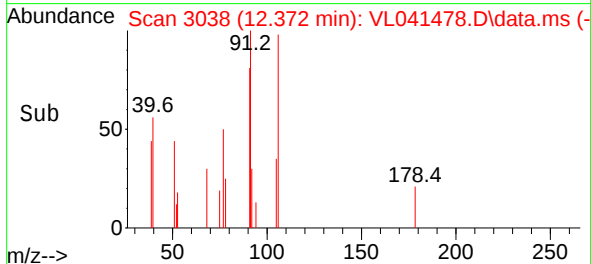
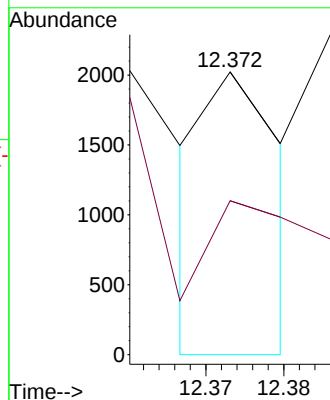
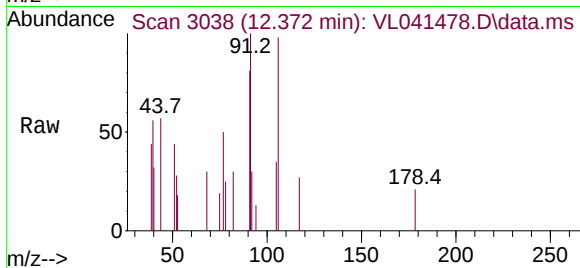
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 682

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#



#60

o-Xylene

Concen: 0.000 ppbv

RT: 13.114 min Scan# 3269

Delta R.T. 0.058 min

Lab File: VL041478.D

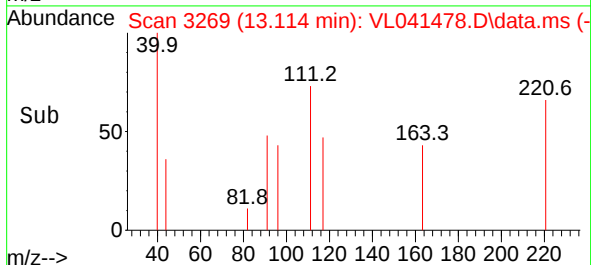
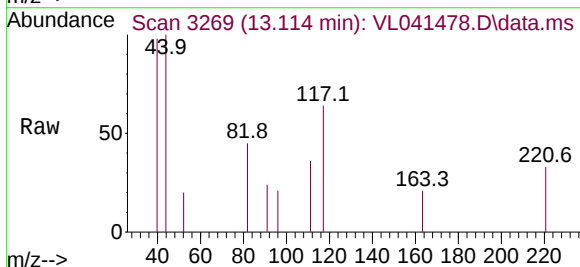
Acq: 1 Aug 2024 14:52

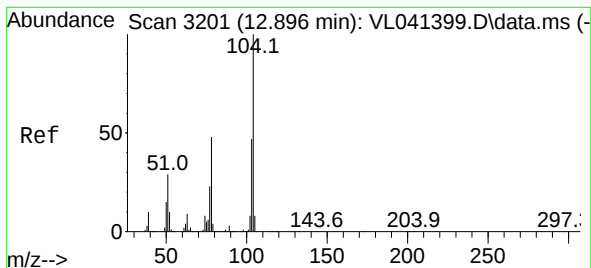
Tgt Ion: 91 Resp: 103

Ion Ratio Lower Upper

91 100

106 55.3 23.1 69.3





#61

Styrene

Concen: 0.004 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.007 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

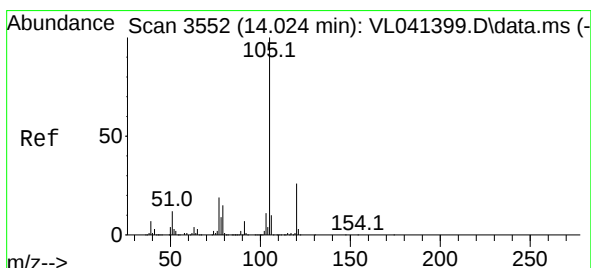
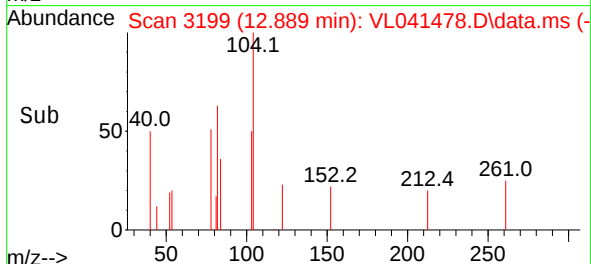
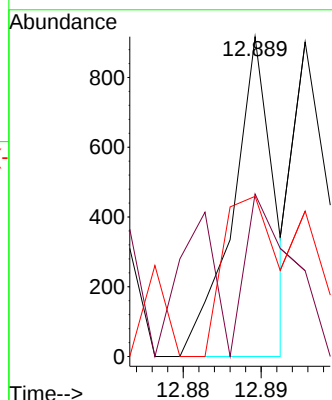
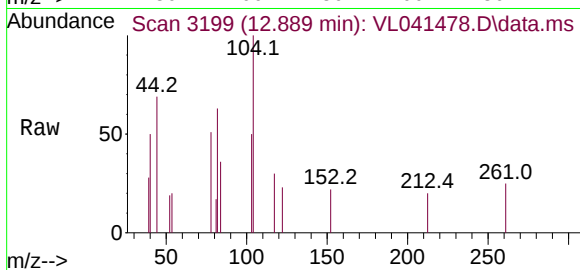
Tgt Ion:104 Resp: 338

Ion Ratio Lower Upper

104 100

78 0.0 40.8 61.2#

103 220.7 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.009 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041478.D

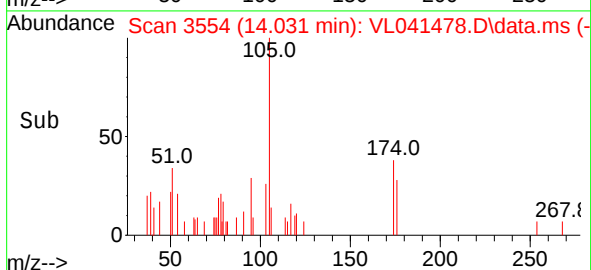
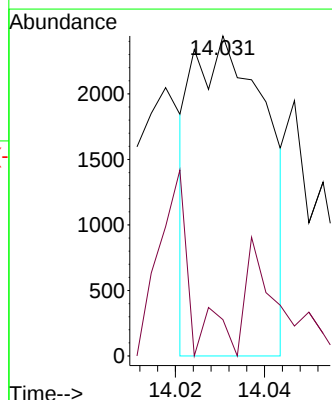
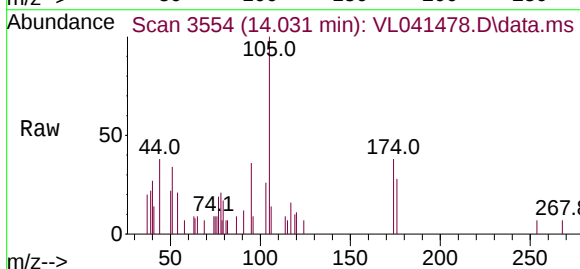
Acq: 1 Aug 2024 14:52

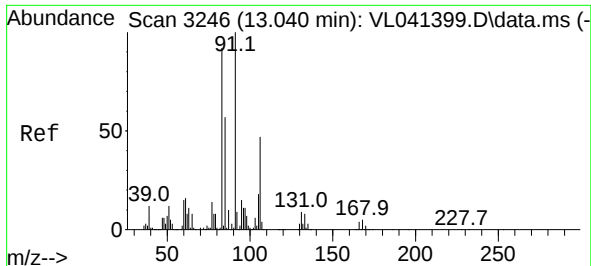
Tgt Ion:105 Resp: 2810

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.003 ppbv

RT: 13.040 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

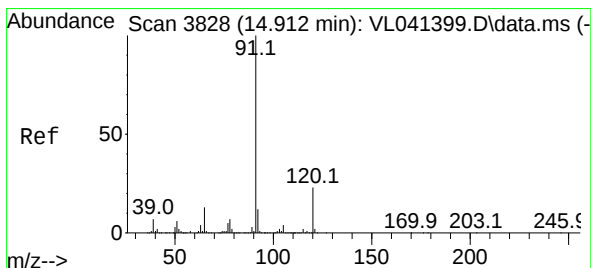
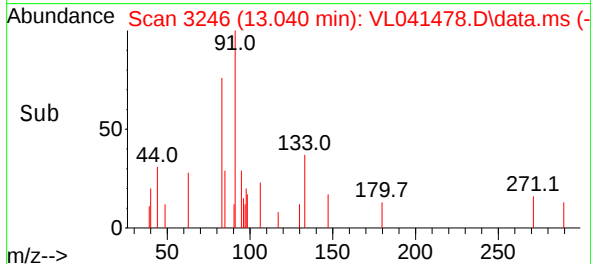
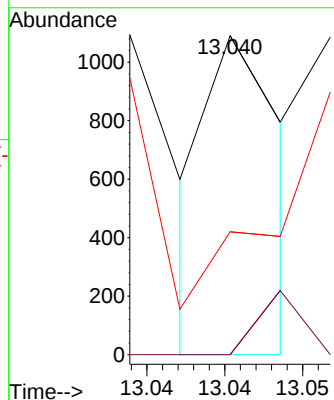
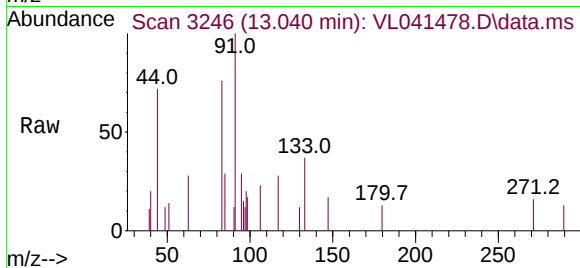
Tgt Ion: 83 Resp: 364

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 0.0 32.6 98.0#



#64

n-propylbenzene

Concen: 0.004 ppbv

RT: 14.908 min Scan# 3827

Delta R.T. -0.003 min

Lab File: VL041478.D

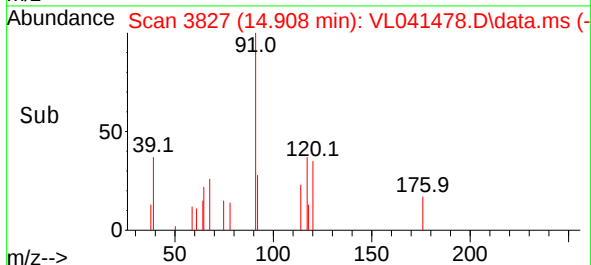
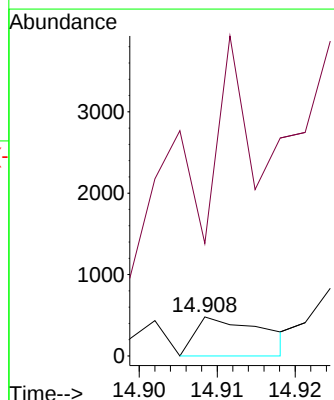
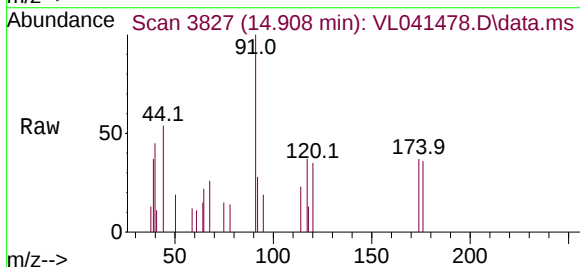
Acq: 1 Aug 2024 14:52

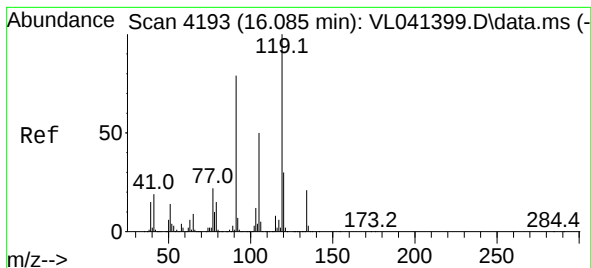
Tgt Ion:120 Resp: 293

Ion Ratio Lower Upper

120 100

91 2848.1 361.4 542.0#





#65

tert-Butylbenzene

Concen: 0.003 ppbv

RT: 16.085 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041478.D

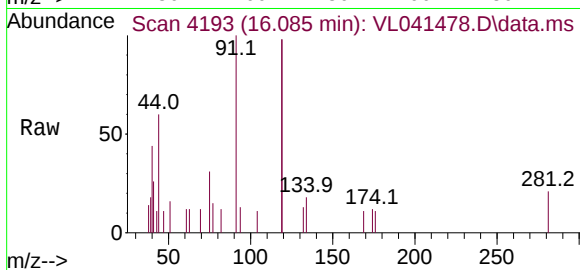
Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024



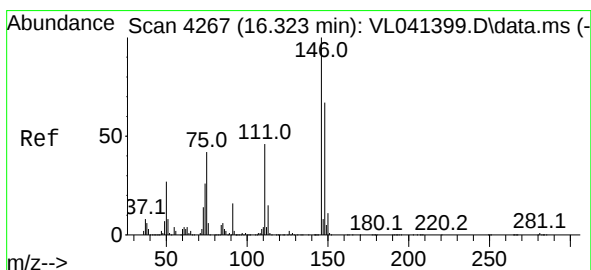
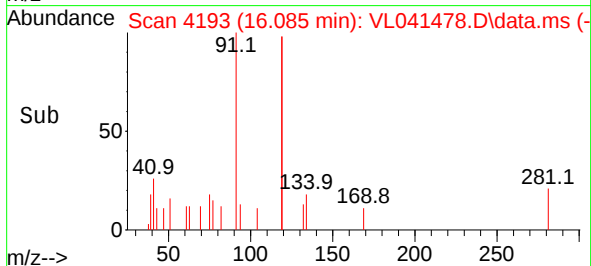
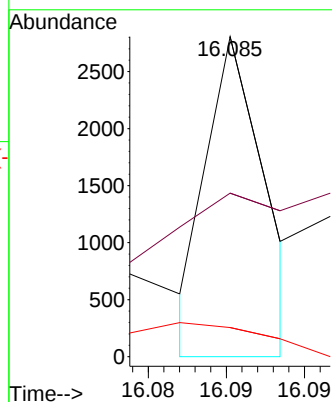
Tgt Ion:119 Resp: 735

Ion Ratio Lower Upper

119 100

91 0.0 64.2 96.2#

134 0.0 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.004 ppbv

RT: 16.397 min Scan# 4290

Delta R.T. 0.071 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

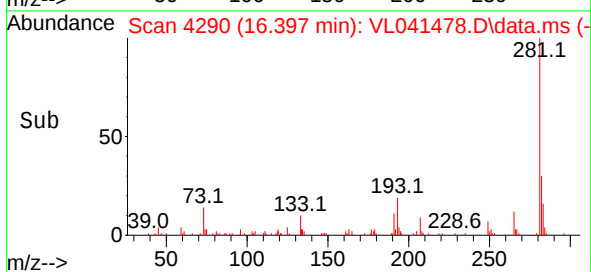
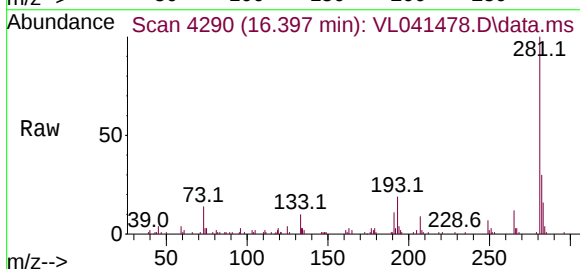
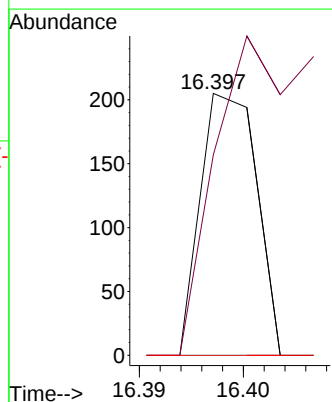
Tgt Ion: 91 Resp: 77

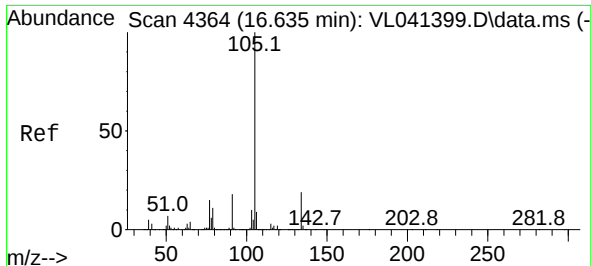
Ion Ratio Lower Upper

91 100

126 1849.4 13.8 20.8#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.003 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

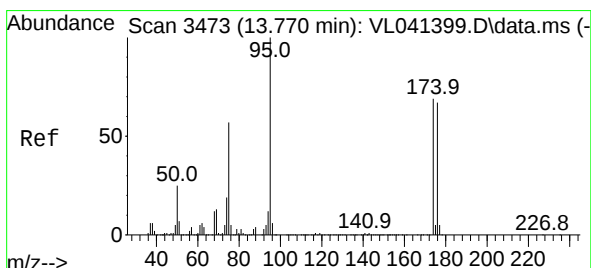
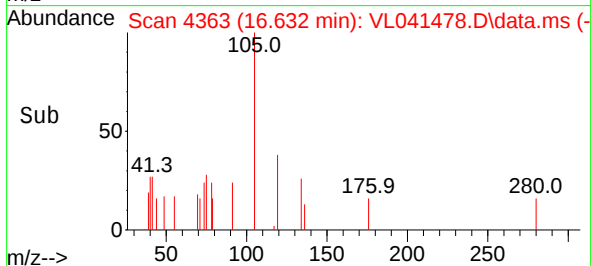
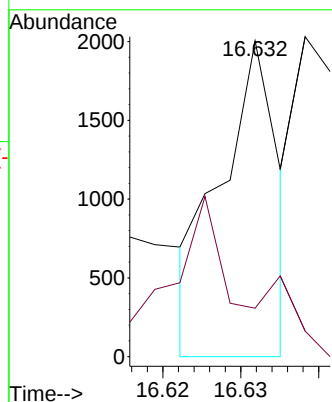
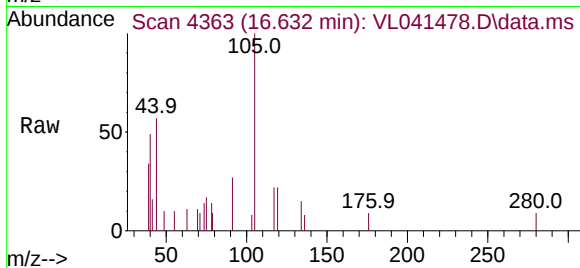
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 1032

Ion Ratio Lower Upper

105 100

134 64.5 14.5 21.7#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.745 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

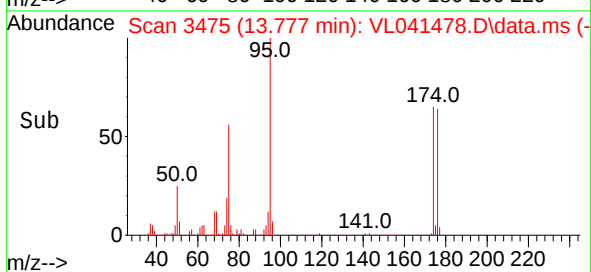
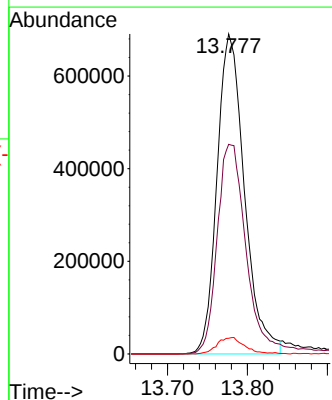
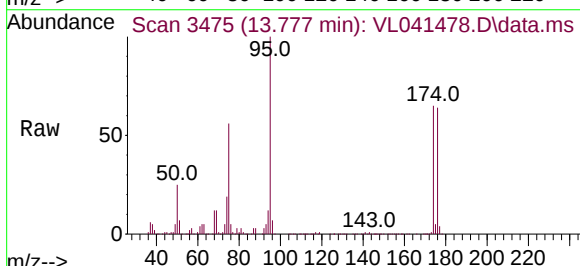
Tgt Ion: 95 Resp: 1643383

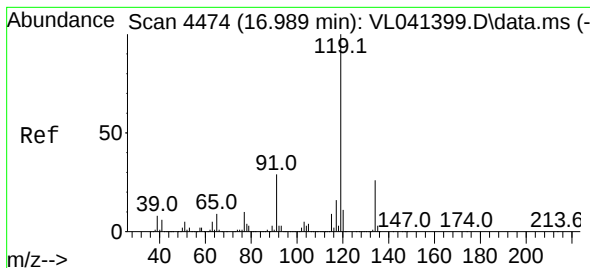
Ion Ratio Lower Upper

95 100

174 72.0 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.004 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

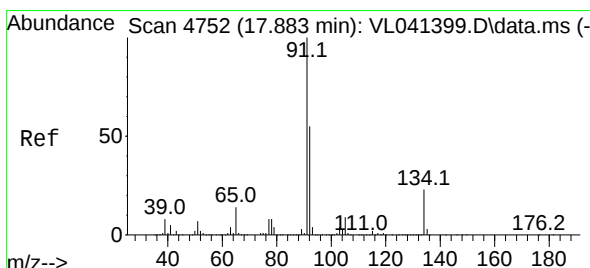
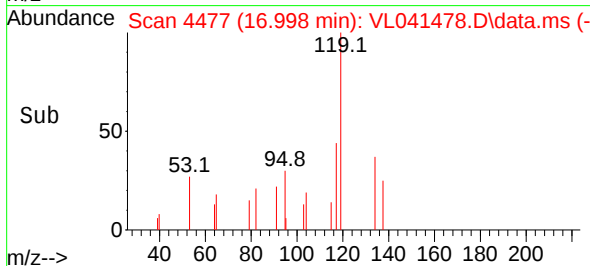
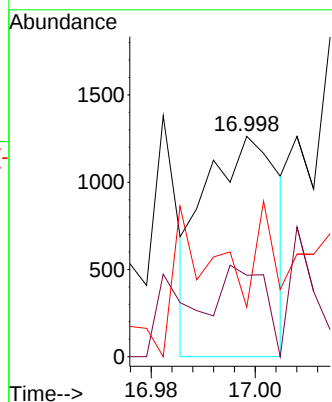
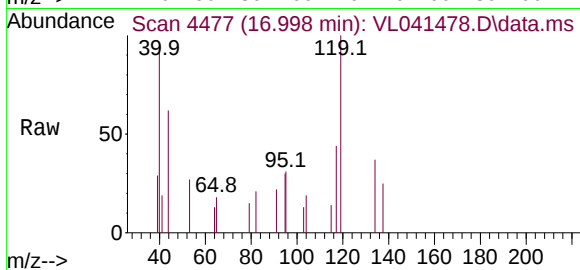
Tgt Ion:119 Resp: 1241

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 132.8 23.2 34.8#



#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

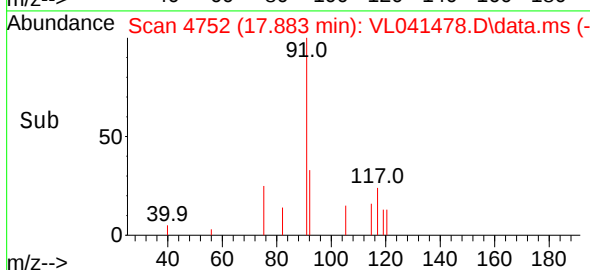
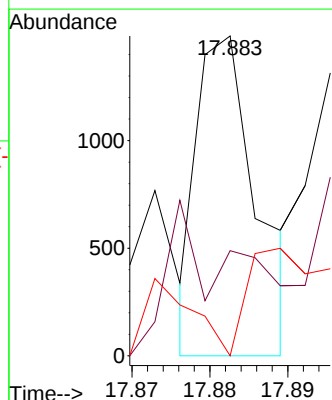
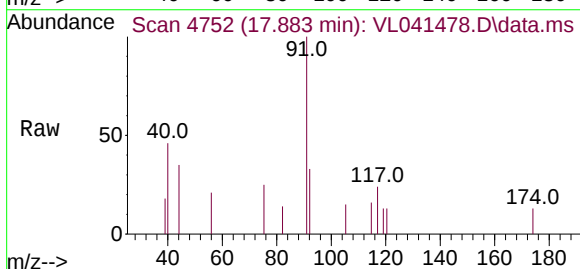
Tgt Ion: 91 Resp: 792

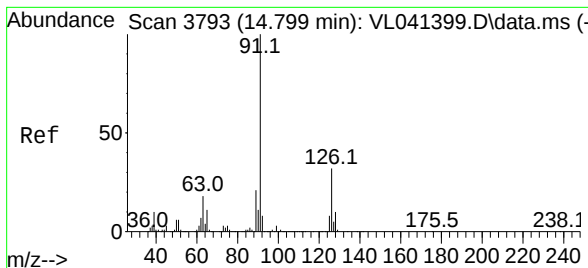
Ion Ratio Lower Upper

91 100

92 0.0 43.2 64.8#

134 0.0 18.5 27.7#





#71

2-Chlorotoluene

Concen: 0.005 ppbv

RT: 14.802 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

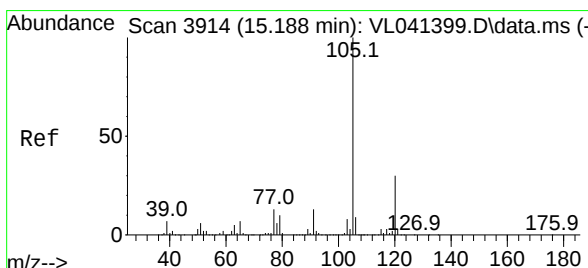
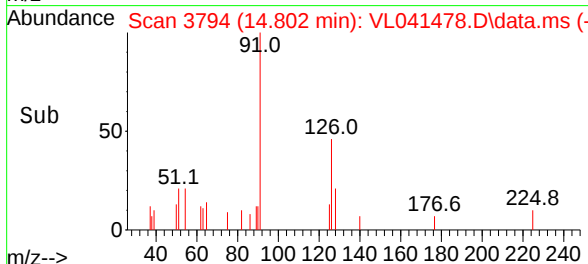
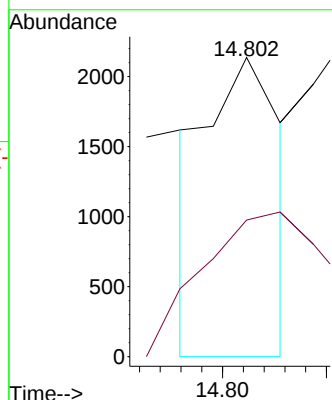
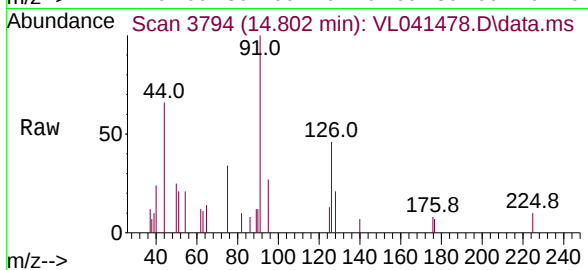
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 1052

Ion Ratio Lower Upper

91 100

126 162.6 12.7 50.9#



#72

4-Ethyltoluene

Concen: 0.007 ppbv

RT: 15.198 min Scan# 3917

Delta R.T. 0.006 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion: 105 Resp: 1699

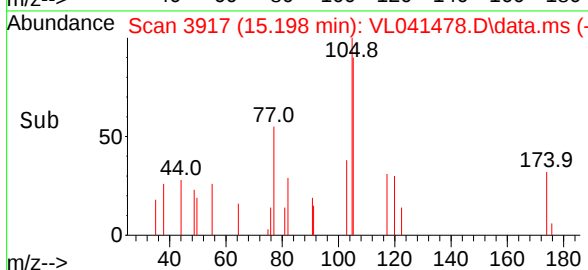
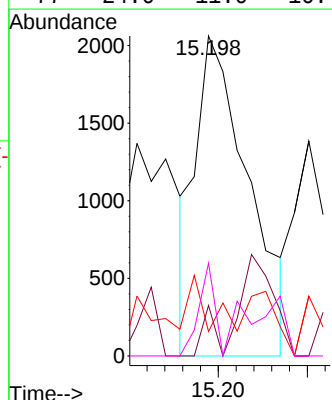
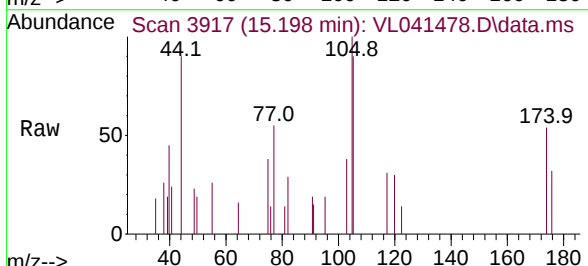
Ion Ratio Lower Upper

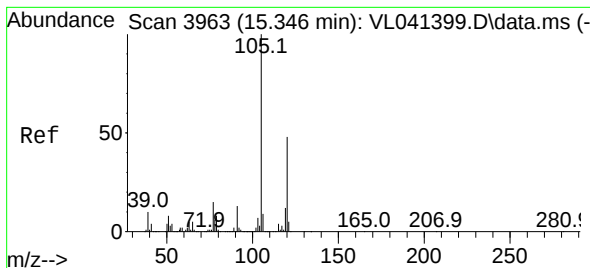
105 100

120 37.6 24.2 36.2#

91 0.0 10.4 15.6#

77 24.0 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.007 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

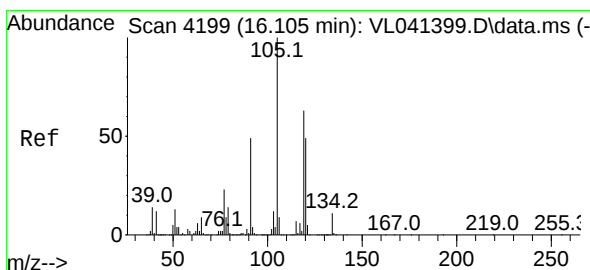
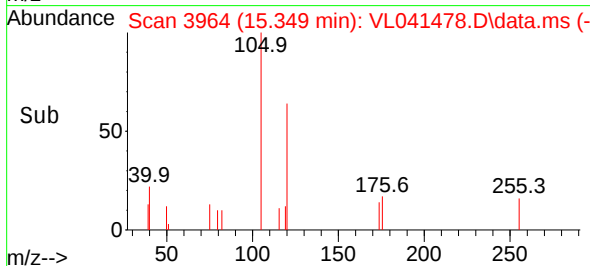
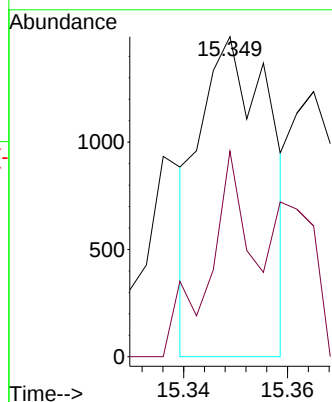
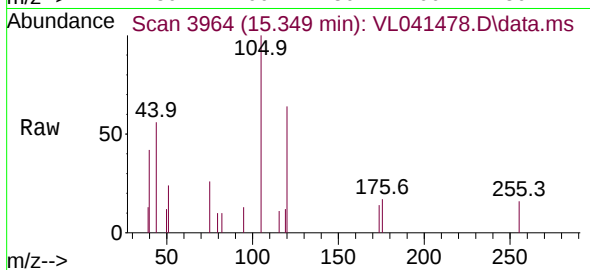
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 1391

Ion Ratio Lower Upper

105 100

120 99.8 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.004 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion:105 Resp: 996

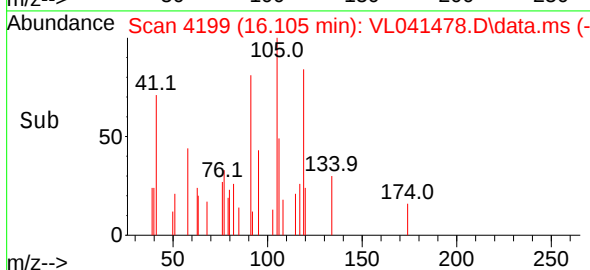
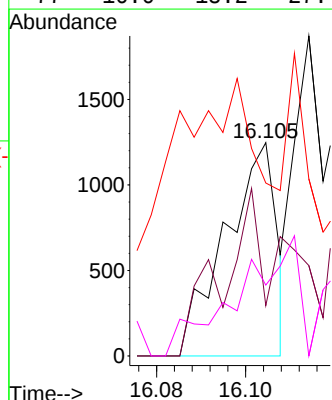
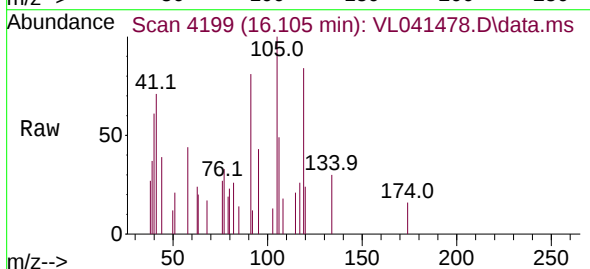
Ion Ratio Lower Upper

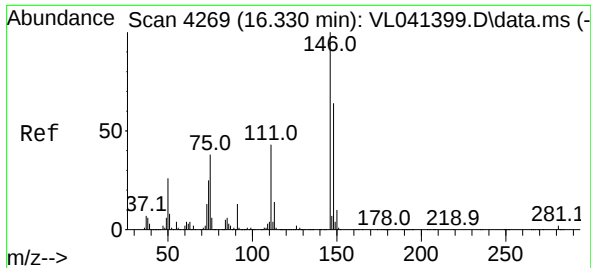
105 100

120 23.7 39.5 59.3#

91 3.5 39.8 59.8#

77 16.0 18.2 27.4#

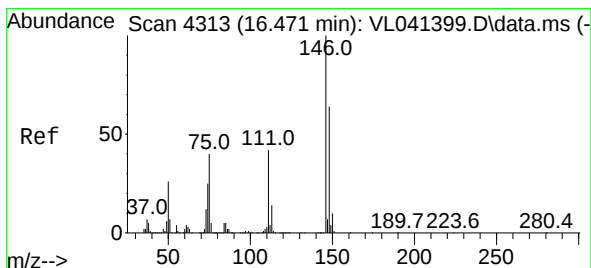
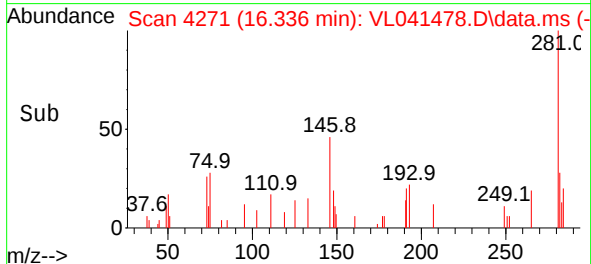
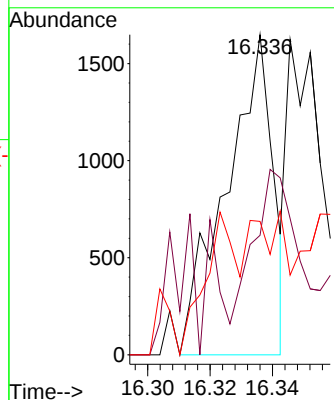
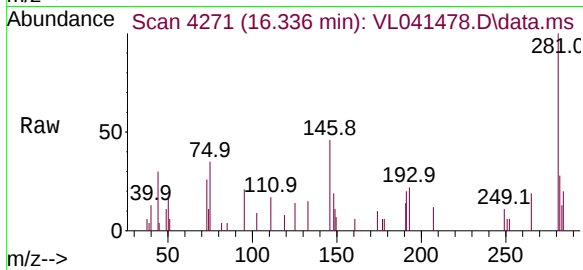




#75
1,3-Dichlorobenzene
Concen: 0.011 ppbv
RT: 16.336 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

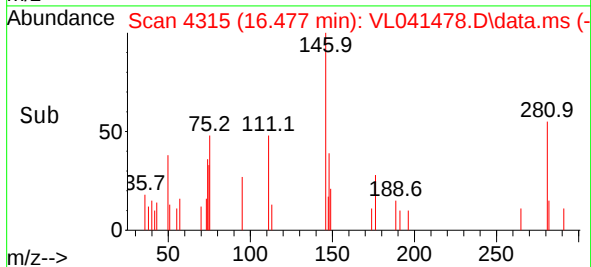
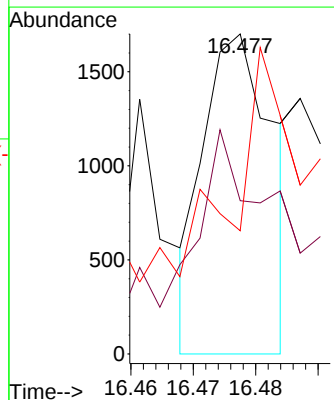
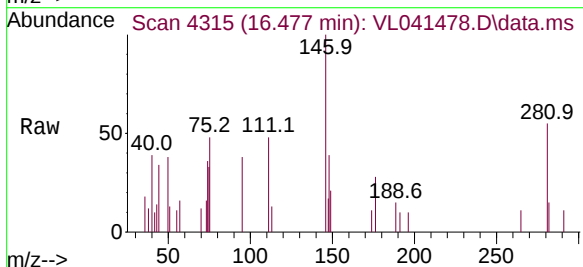
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

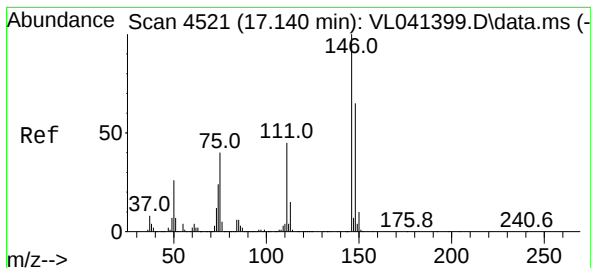
Tgt Ion:146 Resp: 1716
Ion Ratio Lower Upper
146 100
111 100.3 22.6 67.8#
148 0.0 32.3 96.8#



#76
1,4-Dichlorobenzene
Concen: 0.009 ppbv
RT: 16.477 min Scan# 4315
Delta R.T. 0.006 min
Lab File: VL041478.D
Acq: 1 Aug 2024 14:52

Tgt Ion:146 Resp: 1310
Ion Ratio Lower Upper
146 100
111 126.0 22.4 67.0#
148 214.0 33.1 99.5#





#77

1,2-Dichlorobenzene

Concen: 0.002 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041478.D

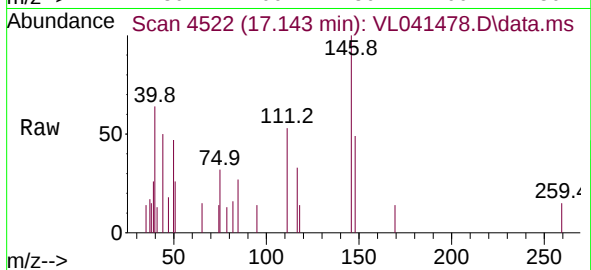
Acq: 1 Aug 2024 14:52

Instrument :

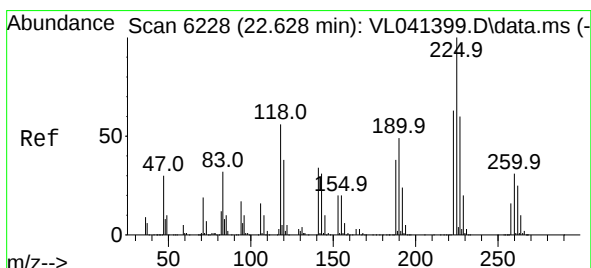
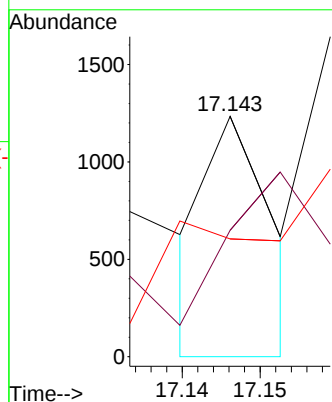
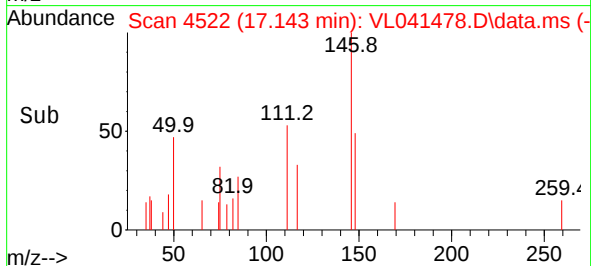
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024



Tgt Ion:	146	Resp:	357
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	0.0	32.2	96.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.006 ppbv

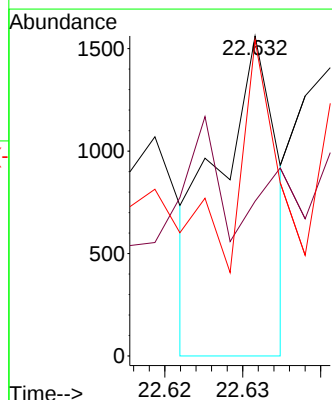
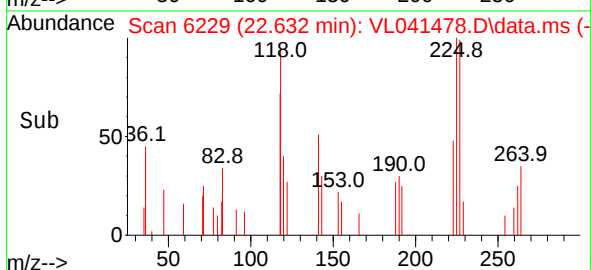
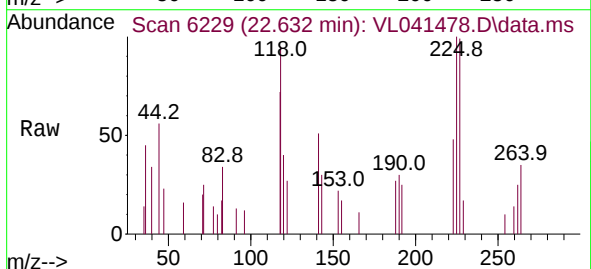
RT: 22.632 min Scan# 6229

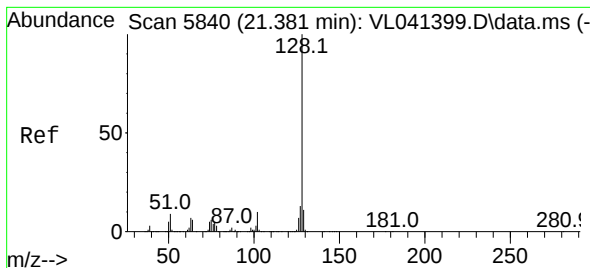
Delta R.T. 0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Tgt Ion:	225	Resp:	833
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	50.8	76.2#





#79

Naphthalene

Concen: 0.001 ppbv

RT: 21.378 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

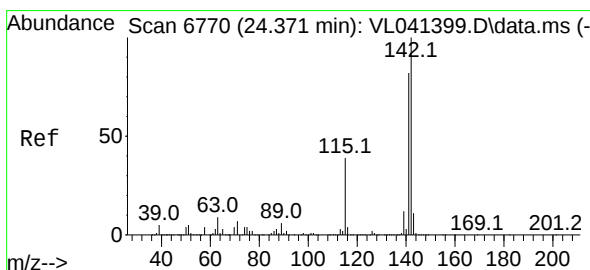
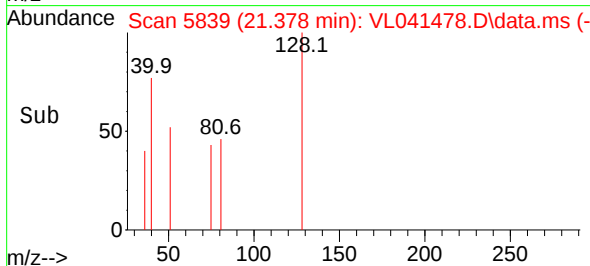
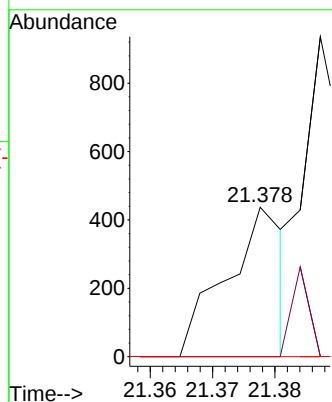
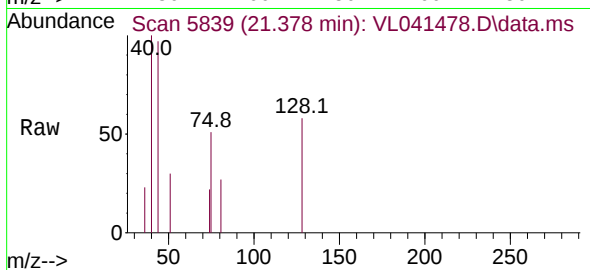
Tgt Ion:128 Resp: 280

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 9.0 13.4#



#80

Naphthalene,2-methyl-

Concen: 0.001 ppbv

RT: 24.310 min Scan# 6751

Delta R.T. -0.058 min

Lab File: VL041478.D

Acq: 1 Aug 2024 14:52

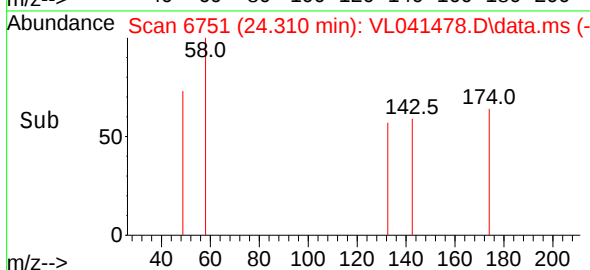
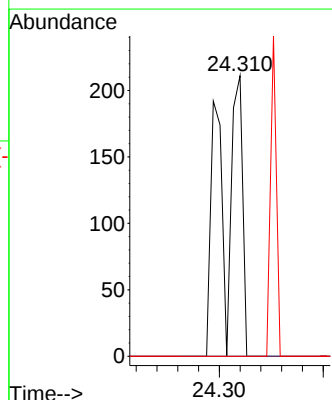
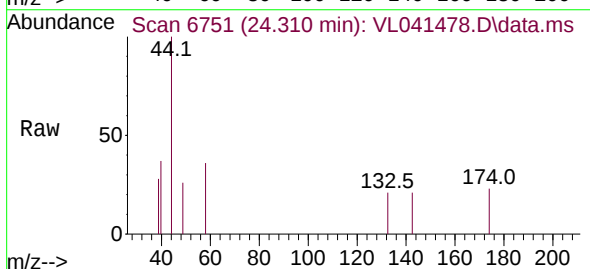
Tgt Ion:142 Resp: 147

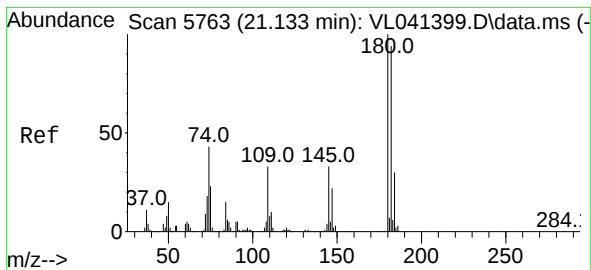
Ion Ratio Lower Upper

142 100

141 0.0 67.0 100.4#

115 0.0 32.2 48.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.002 ppbv

RT: 21.143 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041478.D

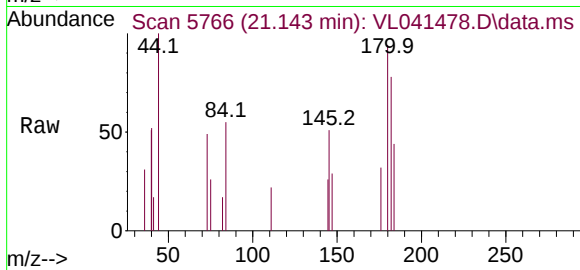
Acq: 1 Aug 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024



Tgt Ion:180 Resp: 304

Ion Ratio Lower Upper

180 100

182 0.0 76.7 115.1#

184 0.0 24.5 36.7#

