

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041474.D
 Acq On : 1 Aug 2024 11:58
 Operator : SY/MD
 Sample : P3390-15 0.45 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 02 05:21:04 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	5.189	49	866647	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2432361	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2284853	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1814752	10.321	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.896	85	1190	0.008	ppbv	90
3) Chlorodifluoromethane	2.661	51	34875	0.338	ppbv	99
4) Chloromethane	2.806	50	28777	0.524	ppbv	91
5) Vinyl Chloride	2.915	62	24545	0.454	ppbv	93
6) Bromomethane	3.115	94	14294	0.514	ppbv #	81
7) Chloroethane	3.192	64	6837	0.366	ppbv	91
8) Dichlorotetrafluoroethane	2.845	85	67166	0.508	ppbv	98
9) Propene	2.684	41	3521	0.074	ppbv #	35
10) Heptane	7.574	43	29360	0.276	ppbv #	61
11) Trichlorofluoromethane	3.552	101	66057	0.499	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.060	101	50038	0.525	ppbv	95
13) Ethanol	3.246	45	345	0.081	ppbv #	41
14) Bromoethene	3.362	108	15333	0.413	ppbv #	85
15) Acetone	3.484	43	46934	0.477	ppbv #	85
16) 1,3-Butadiene	2.976	39	24574	0.467	ppbv	98
17) tert-Butyl alcohol	3.893	59	39394	0.439	ppbv #	93
18) 1,1-Dichloroethene	3.877	96	10066	0.247	ppbv #	80
19) Isopropyl Alcohol	3.591	45	18583	0.323	ppbv #	74
20) Methylene Chloride	3.931	84	19342	0.527	ppbv	87
21) Allyl Chloride	3.989	41	28834	0.447	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	20121	0.493	ppbv	94
23) Vinyl Acetate	4.635	43	33783	0.449	ppbv #	92
24) 1,1-Dichloroethane	4.555	63	46121	0.521	ppbv	98
25) Ethyl Acetate	5.211	43	88009	0.450	ppbv #	97
26) Hexane	5.211	57	14766	0.182	ppbv #	1
27) Carbon Disulfide	4.121	76	33147	0.349	ppbv #	77
28) Methyl tert-Butyl Ether	4.594	73	24285	0.475	ppbv	96
29) Chloroform	5.269	83	67065	0.507	ppbv	95
30) Cyclohexane	6.594	84	13313	0.201	ppbv #	10
31) cis-1,2-Dichloroethene	5.076	61	37837	0.472	ppbv	93
32) 1,1,1-Trichloroethane	5.999	97	60022	0.466	ppbv	96
34) 2-Butanone	4.799	43	52208	0.444	ppbv	97
35) Carbon Tetrachloride	6.487	117	59112	0.441	ppbv	90
36) Benzene	6.365	78	77478	0.436	ppbv	98
37) 1,2-Dichloroethane	5.806	62	45981	0.462	ppbv	99
38) Trichloroethene	7.291	130	36809	0.452	ppbv #	91
39) 1,2-Dichloropropane	7.063	63	18889	0.278	ppbv	90
40) 1,4-Dioxane	7.272	88	60	0.002	ppbv #	1
41) Tetrahydrofuran	5.571	42	10392	0.154	ppbv #	25
42) Bromodichloromethane	7.246	83	61981	0.432	ppbv	91
43) Methyl Methacrylate	7.475	69	12429	0.195	ppbv #	1
44) 2,2,4-Trimethylpentane	7.323	57	125213	0.422	ppbv #	88
45) t-1,3-Dichloropropene	8.214	75	146	0.002	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

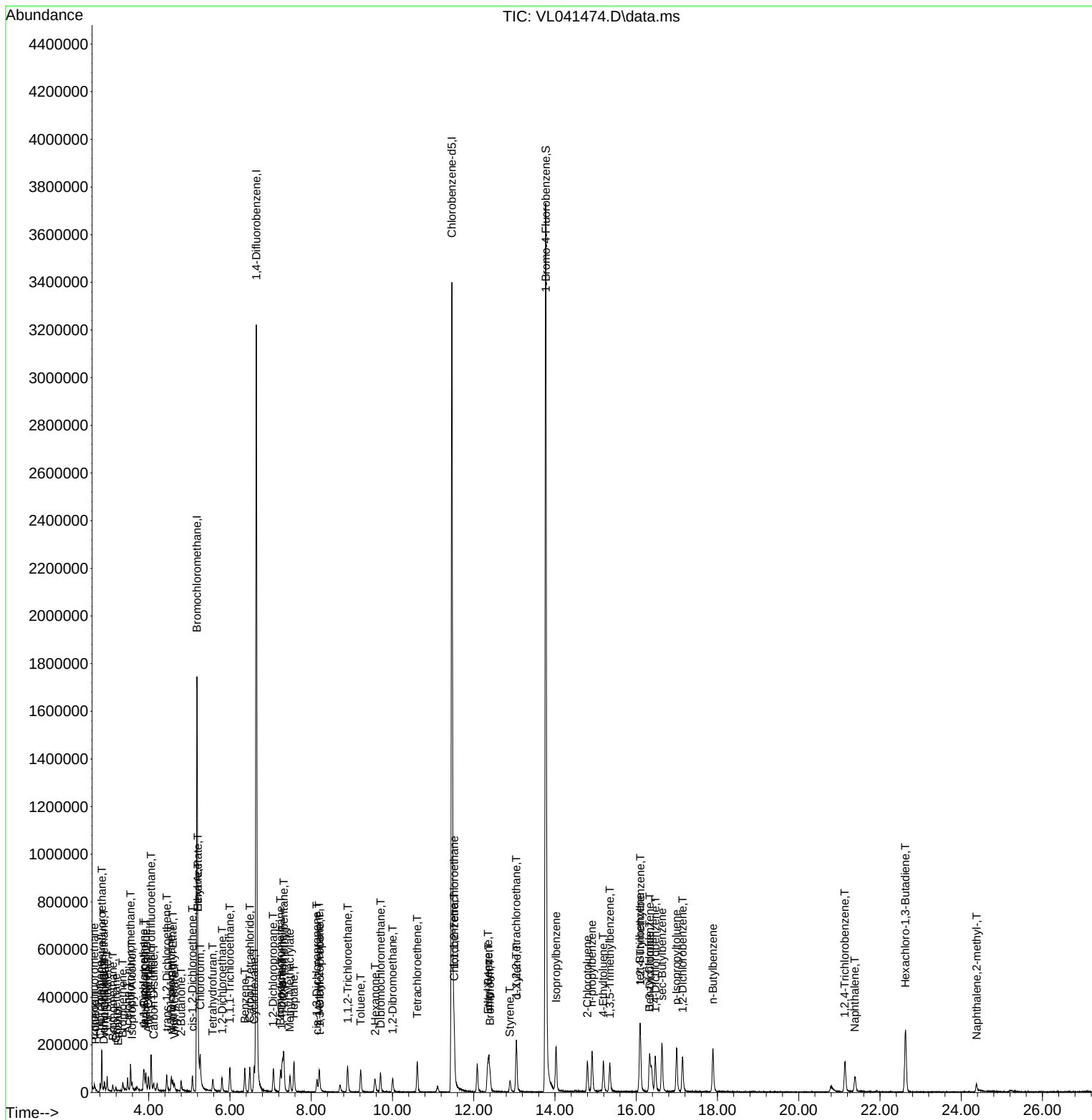
Quant Time: Aug 02 05:21:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 02 03:13:29 2024
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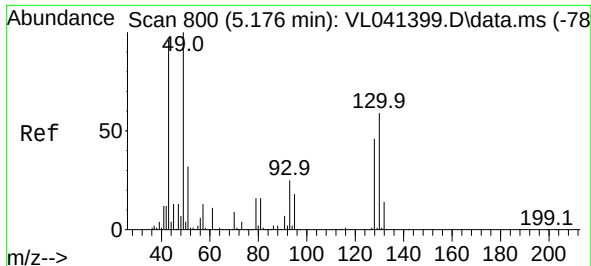
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	28523	0.337	ppbv	87
47) 1,1,2-Trichloroethane	8.899	97	17822	0.238	ppbv	96
48) Dibromochloromethane	9.709	129	46139	0.382	ppbv	99
49) Bromoform	12.400	173	18374	0.180	ppbv #	25
50) 4-Methyl-2-Pentanone	8.195	43	41924	0.226	ppbv #	40
51) 2-Hexanone	9.574	43	39111	0.279	ppbv #	86
52) Tetrachloroethene	10.613	164	28759	0.419	ppbv	92
53) Toluene	9.217	91	71167	0.359	ppbv	100
54) 1,2-Dibromoethane	10.005	107	24673	0.247	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	11752	0.133	ppbv #	1
57) Chlorobenzene	11.523	112	83888	0.516	ppbv #	86
58) Ethyl Benzene	12.355	91	24330	0.092	ppbv	96
59) m/p-Xylene	12.368	91	35881	0.158	ppbv #	1
60) o-Xylene	13.056	91	84166	0.391	ppbv	96
61) Styrene	12.889	104	18792	0.194	ppbv #	47
62) Isopropylbenzene	14.031	105	145679	0.446	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	72751	0.536	ppbv	98
64) n-propylbenzene	14.912	120	35489	0.415	ppbv	80
65) tert-Butylbenzene	16.088	119	88158	0.299	ppbv #	24
66) Benzyl Chloride	16.326	91	2278	0.120	ppbv #	41
67) sec-Butylbenzene	16.638	105	188956	0.464	ppbv	98
69) p-Isopropyltoluene	16.989	119	61868	0.183	ppbv #	47
70) n-Butylbenzene	17.889	91	140888	0.407	ppbv	98
71) 2-Chlorotoluene	14.799	91	96357	0.400	ppbv	98
72) 4-Ethyltoluene	15.188	105	98424	0.389	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.352	105	80459	0.369	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	115382	0.455	ppbv	93
75) 1,3-Dichlorobenzene	16.330	146	76646	0.481	ppbv	98
76) 1,4-Dichlorobenzene	16.471	146	44882	0.291	ppbv #	41
77) 1,2-Dichlorobenzene	17.143	146	37741	0.239	ppbv #	17
78) Hexachloro-1,3-Butadiene	22.625	225	36735	0.273	ppbv #	14
79) Naphthalene	21.378	128	32099	0.143	ppbv #	96
80) Naphthalene,2-methyl-	24.381	142	28433	0.152	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	24880	0.187	ppbv #	10

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

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

Quant Time: Aug 02 05:21:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Fri Aug 02 03:13:29 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 80

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

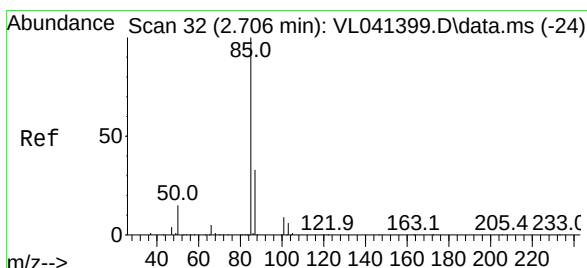
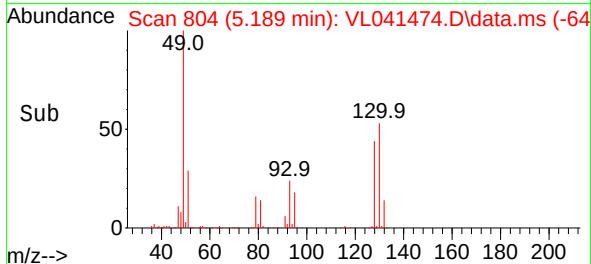
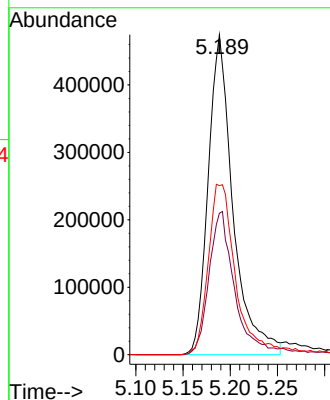
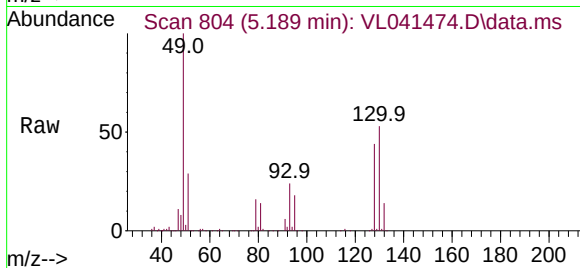
Tgt Ion: 49 Resp: 866647

Ion Ratio Lower Upper

49 100

128 48.2 23.8 71.4

130 61.8 30.8 92.4



#2

Dichlorodifluoromethane

Concen: 0.008 ppbv

RT: 2.896 min Scan# 91

Delta R.T. 0.167 min

Lab File: VL041474.D

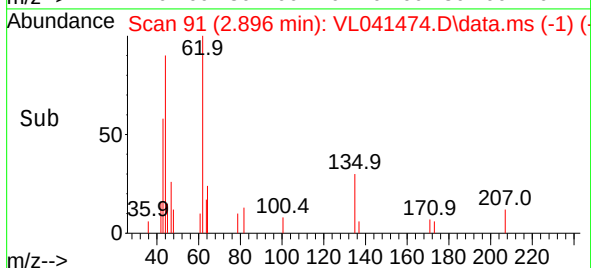
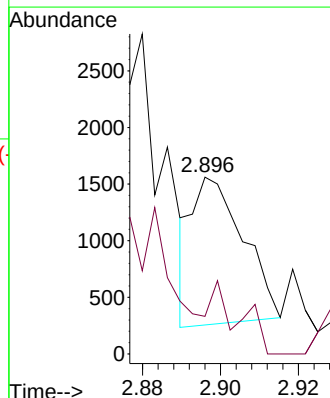
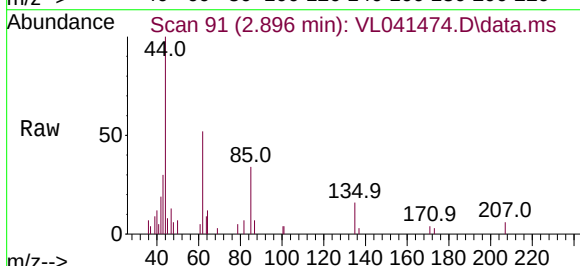
Acq: 1 Aug 2024 11:58

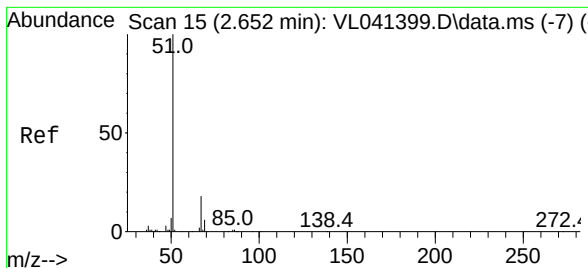
Tgt Ion: 85 Resp: 1190

Ion Ratio Lower Upper

85 100

87 26.8 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.338 ppbv

RT: 2.661 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

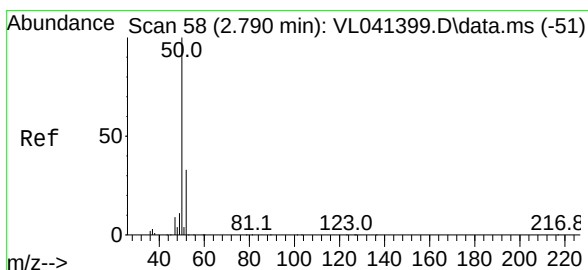
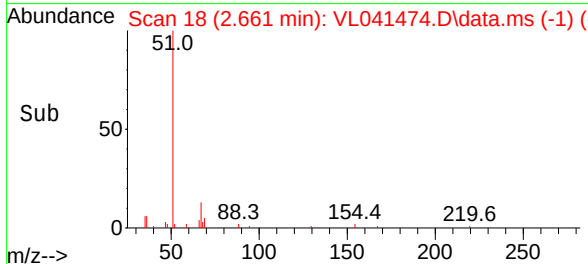
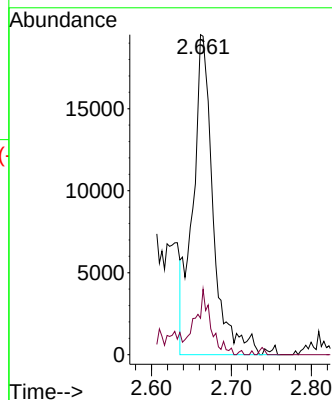
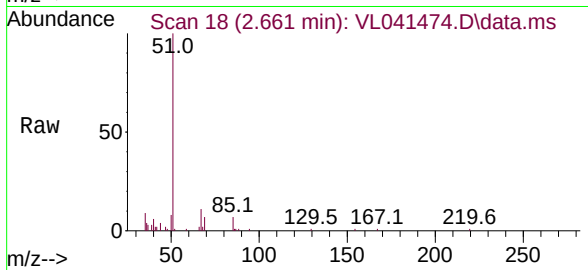
MDL-AIR-03-QT3-2024

Tgt Ion: 51 Resp: 34875

Ion Ratio Lower Upper

51 100

67 18.7 14.5 21.7



#4

Chloromethane

Concen: 0.524 ppbv

RT: 2.806 min Scan# 63

Delta R.T. -0.007 min

Lab File: VL041474.D

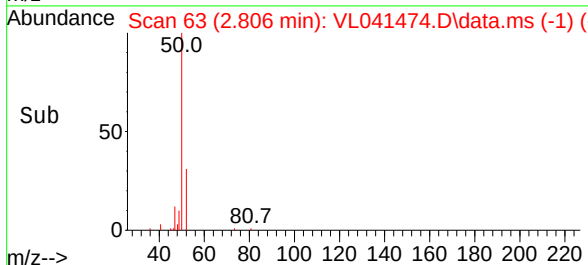
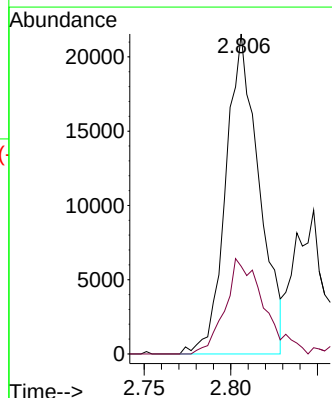
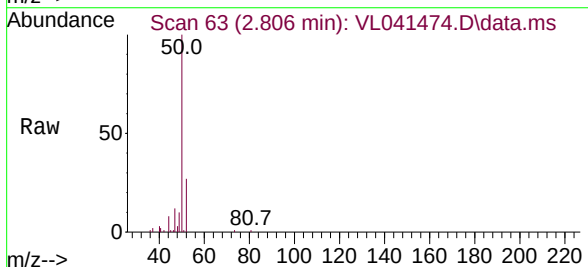
Acq: 1 Aug 2024 11:58

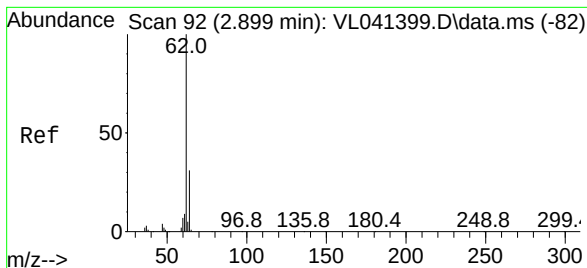
Tgt Ion: 50 Resp: 28777

Ion Ratio Lower Upper

50 100

52 27.4 26.1 39.1





#5

Vinyl Chloride

Concen: 0.454 ppbv

RT: 2.915 min Scan# 91

Delta R.T. -0.007 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

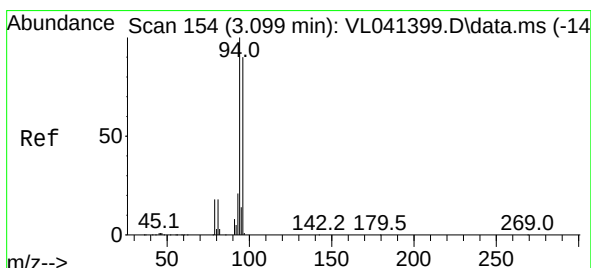
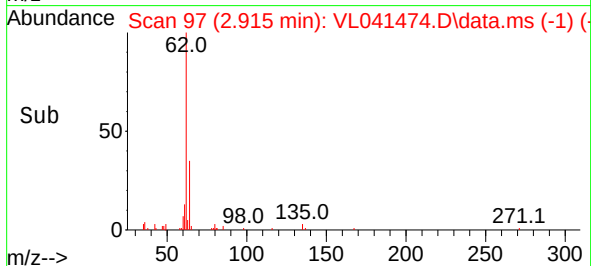
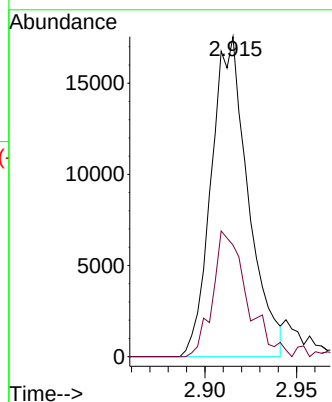
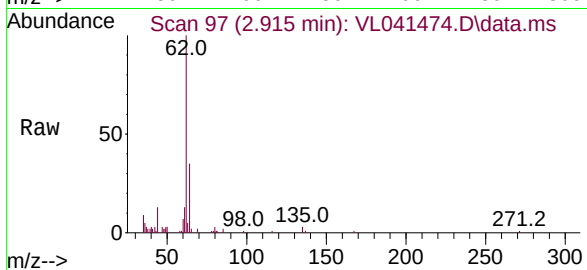
MDL-AIR-03-QT3-2024

Tgt Ion: 62 Resp: 24545

Ion Ratio Lower Upper

62 100

64 34.9 25.0 37.4



#6

Bromomethane

Concen: 0.514 ppbv

RT: 3.115 min Scan# 159

Delta R.T. -0.003 min

Lab File: VL041474.D

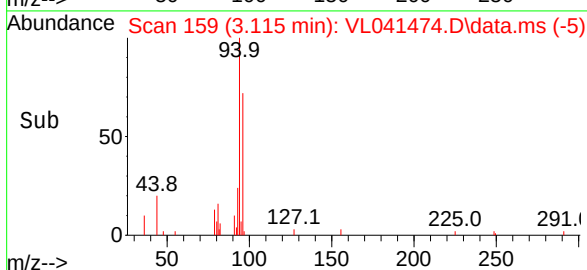
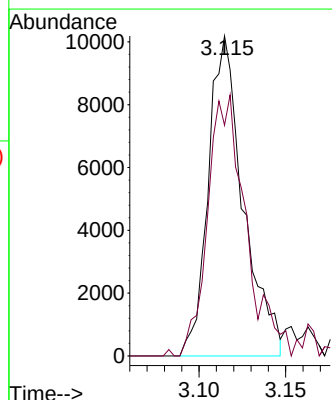
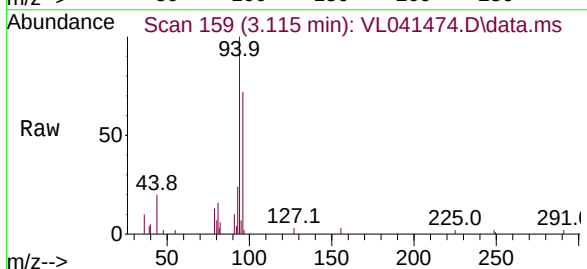
Acq: 1 Aug 2024 11:58

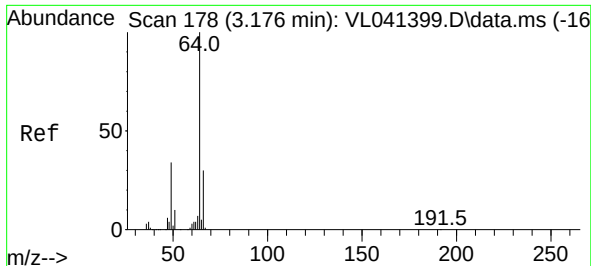
Tgt Ion: 94 Resp: 14294

Ion Ratio Lower Upper

94 100

96 72.1 72.3 108.5#

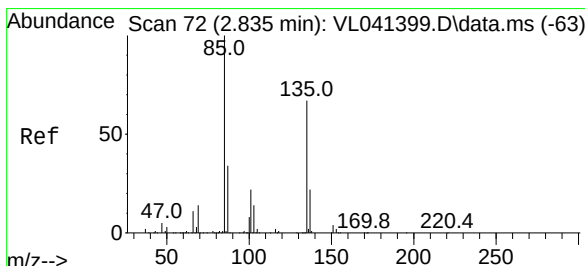
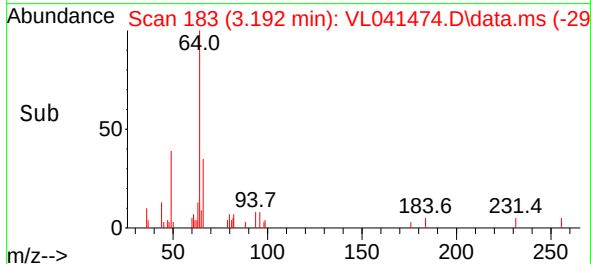
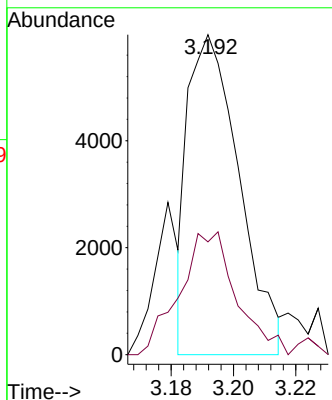
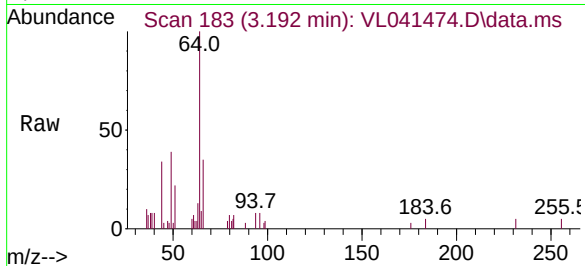




#7
Chloroethane
Concen: 0.366 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

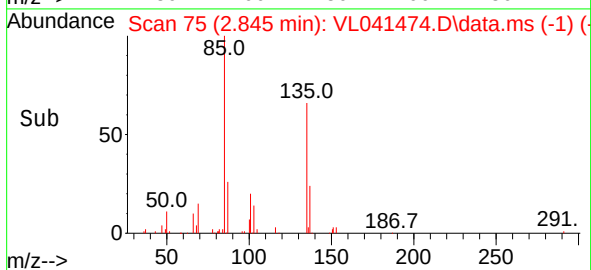
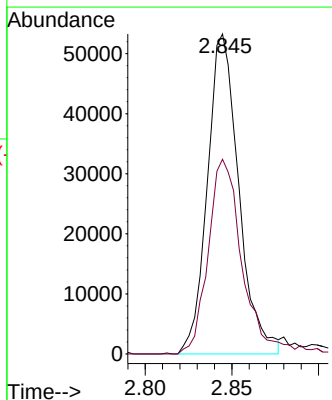
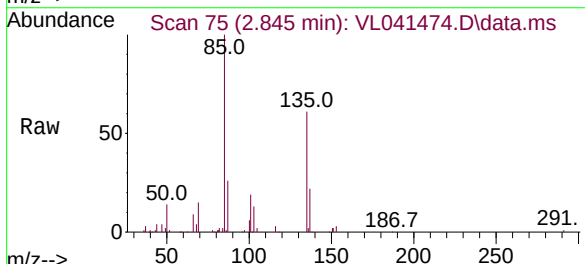
Instrument :
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MDL-AIR-03-QT3-2024

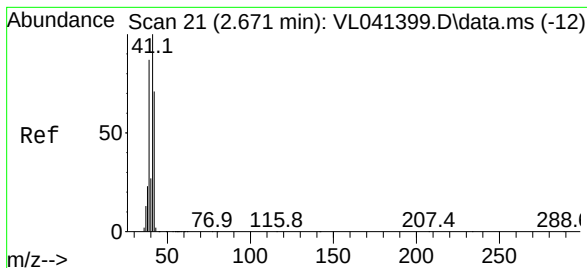
Tgt Ion: 64 Resp: 6837
Ion Ratio Lower Upper
64 100
66 35.2 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 0.508 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.013 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion: 85 Resp: 67166
Ion Ratio Lower Upper
85 100
135 67.5 55.4 83.0





#9

Propene

Concen: 0.074 ppbv

RT: 2.684 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

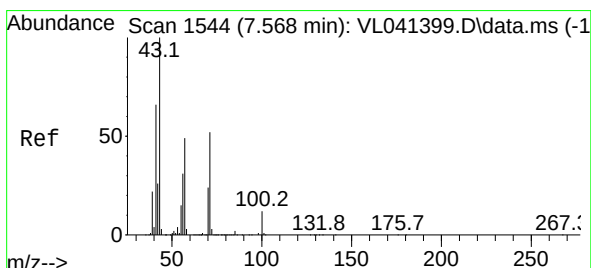
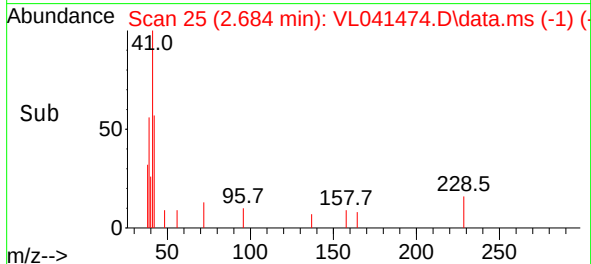
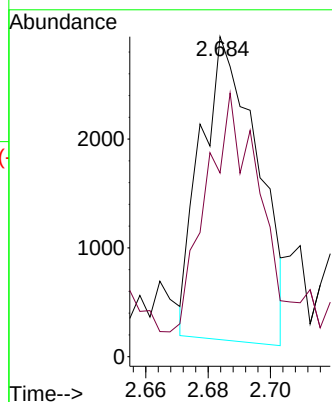
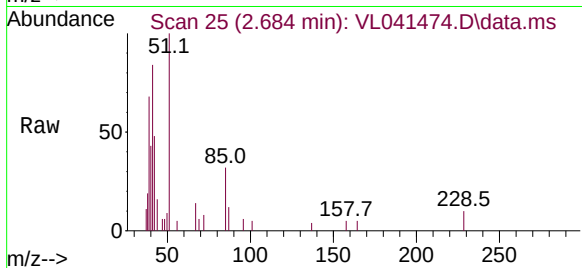
MDL-AIR-03-QT3-2024

Tgt Ion: 41 Resp: 3521

Ion Ratio Lower Upper

41 100

42 123.0 55.9 83.9#



#10

Heptane

Concen: 0.276 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.003 min

Lab File: VL041474.D

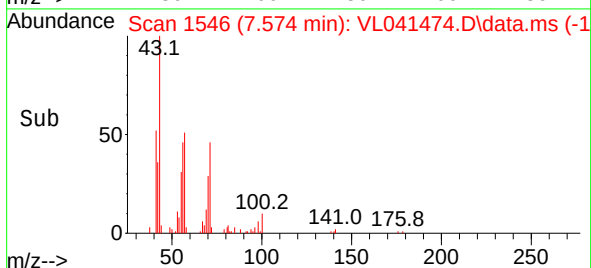
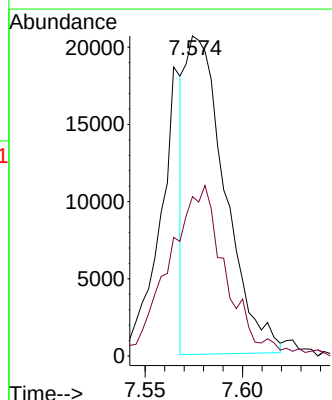
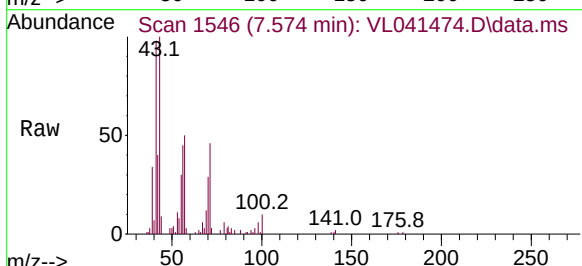
Acq: 1 Aug 2024 11:58

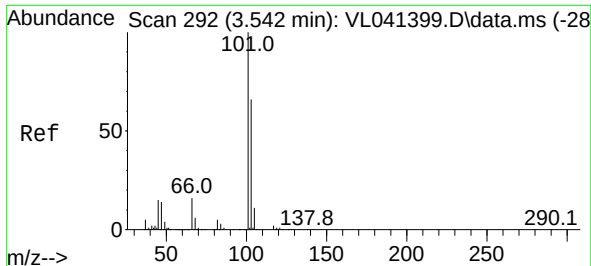
Tgt Ion: 43 Resp: 29360

Ion Ratio Lower Upper

43 100

57 77.6 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.499 ppbv

RT: 3.552 min Scan# 20

Delta R.T. -0.010 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

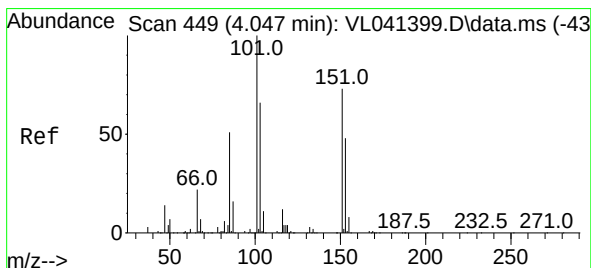
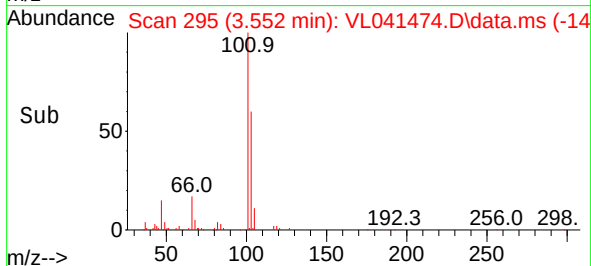
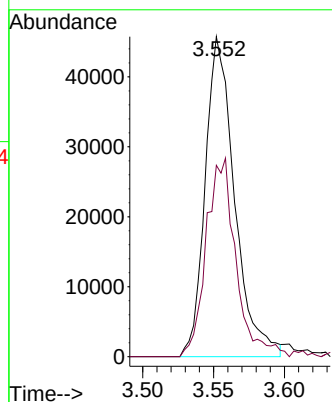
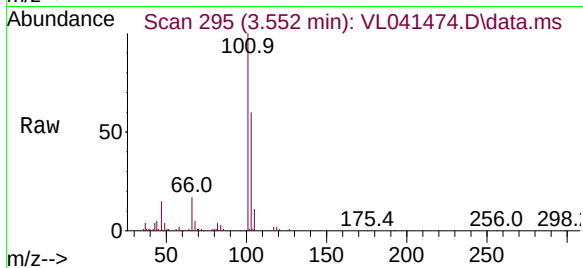
MDL-AIR-03-QT3-2024

Tgt Ion:101 Resp: 66057

Ion Ratio Lower Upper

101 100

103 59.8 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.525 ppbv

RT: 4.060 min Scan# 453

Delta R.T. -0.003 min

Lab File: VL041474.D

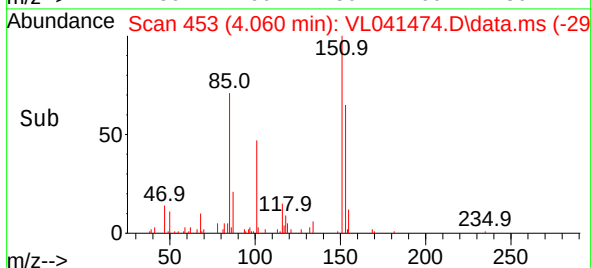
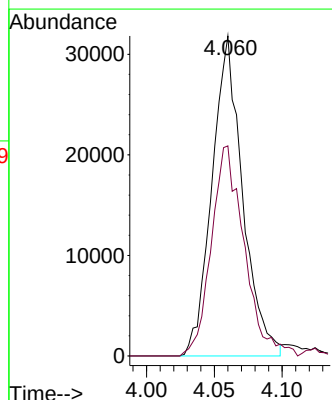
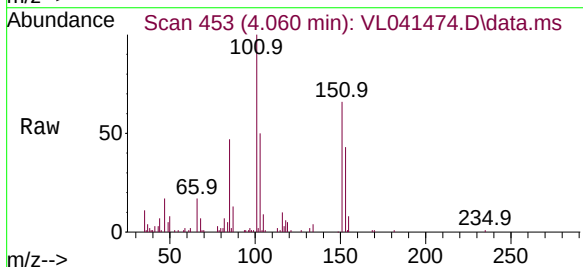
Acq: 1 Aug 2024 11:58

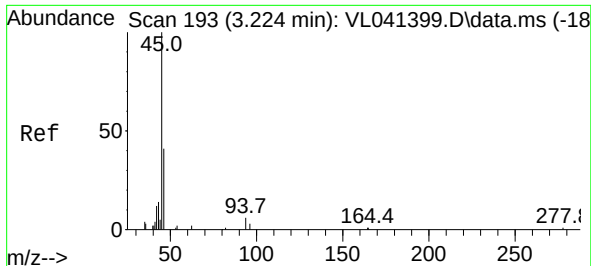
Tgt Ion:101 Resp: 50038

Ion Ratio Lower Upper

101 100

151 70.4 59.4 89.2





#13

Ethanol

Concen: 0.081 ppbv

RT: 3.246 min Scan# 200

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

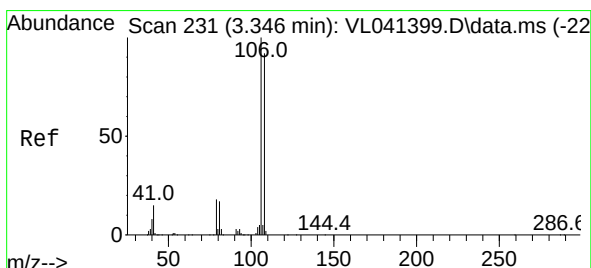
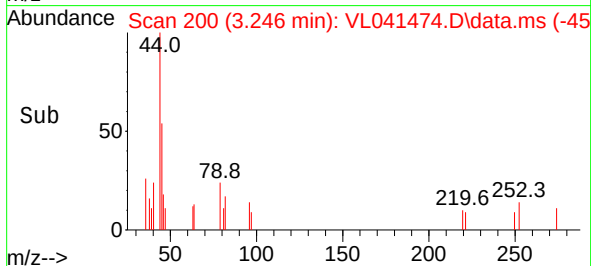
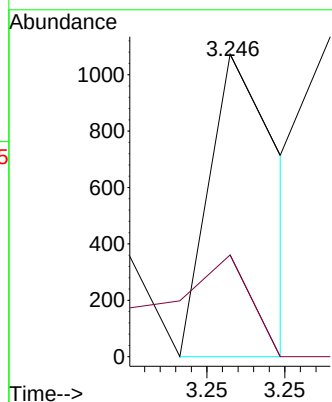
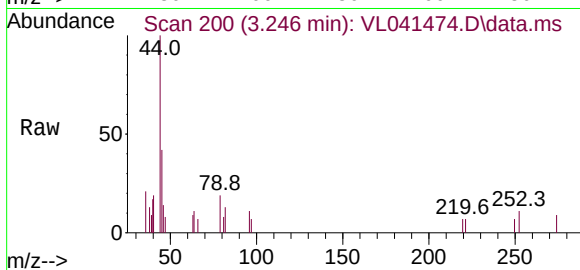
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 345

Ion Ratio Lower Upper

45 100

46 0.0 13.4 53.4#



#14

Bromoethene

Concen: 0.413 ppbv

RT: 3.362 min Scan# 236

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

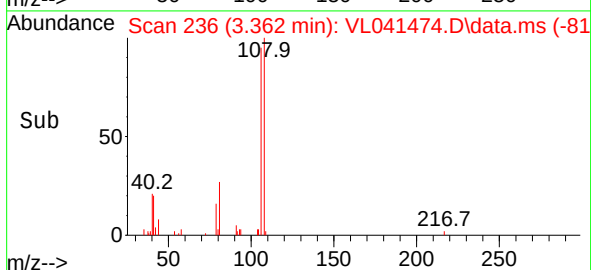
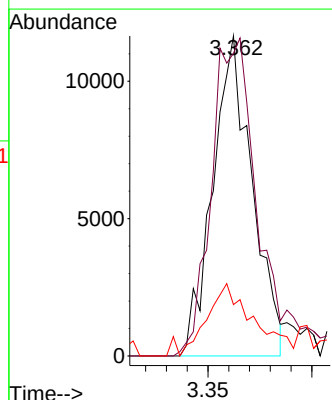
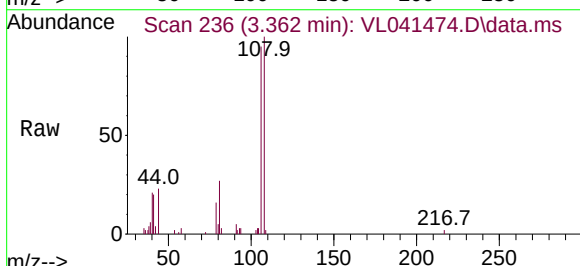
Tgt Ion:108 Resp: 15333

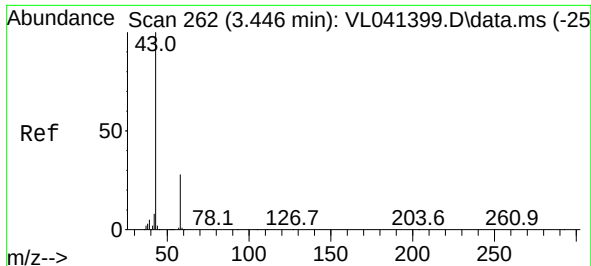
Ion Ratio Lower Upper

108 100

106 123.8 86.9 130.3

79 29.1 16.2 24.4#





#15

Acetone

Concen: 0.477 ppbv

RT: 3.484 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

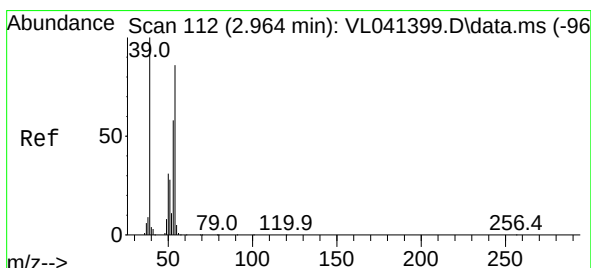
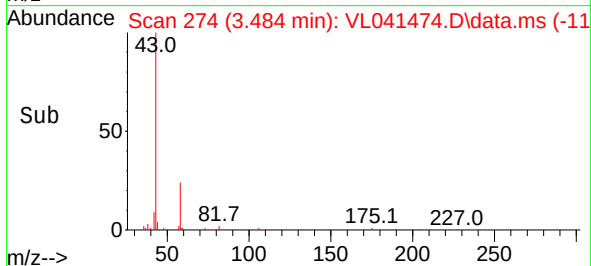
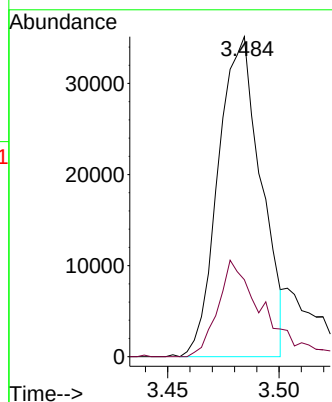
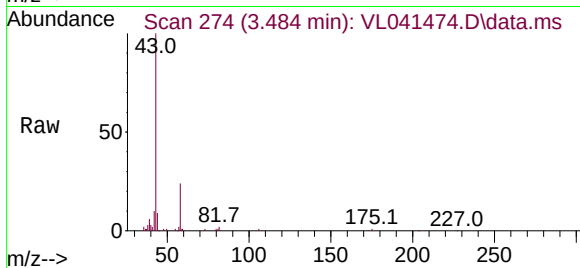
MDL-AIR-03-QT3-2024

Tgt Ion: 43 Resp: 46934

Ion Ratio Lower Upper

43 100

58 34.7 21.4 32.2#



#16

1,3-Butadiene

Concen: 0.467 ppbv

RT: 2.976 min Scan# 116

Delta R.T. -0.010 min

Lab File: VL041474.D

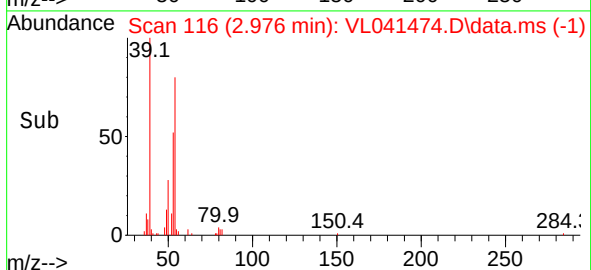
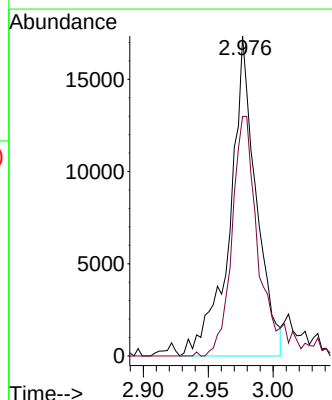
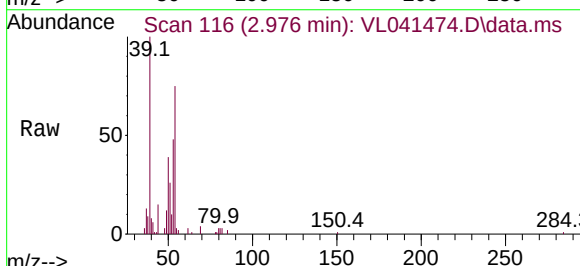
Acq: 1 Aug 2024 11:58

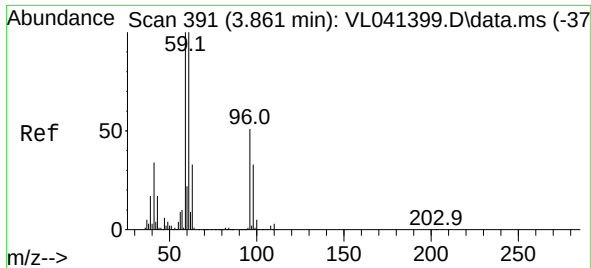
Tgt Ion: 39 Resp: 24574

Ion Ratio Lower Upper

39 100

54 79.4 62.5 93.7





#17

tert-Butyl alcohol

Concen: 0.439 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.019 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

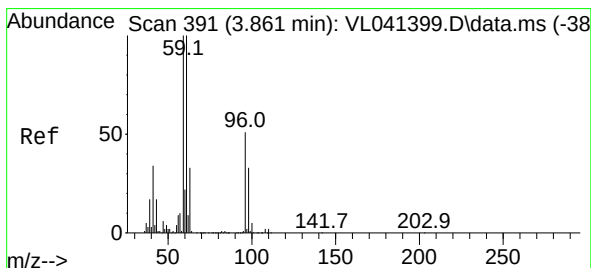
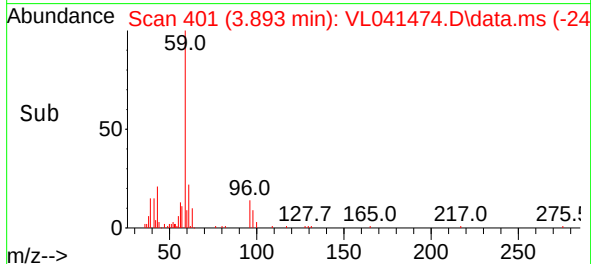
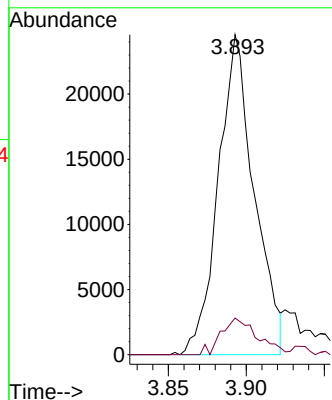
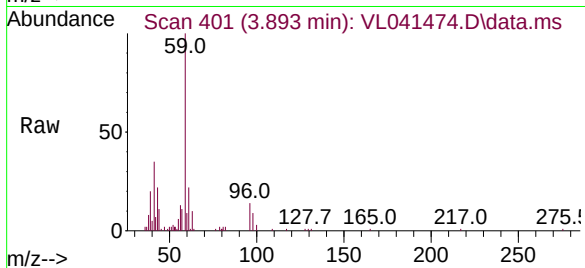
MDL-AIR-03-QT3-2024

Tgt Ion: 59 Resp: 39394

Ion Ratio Lower Upper

59 100

57 13.3 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.247 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

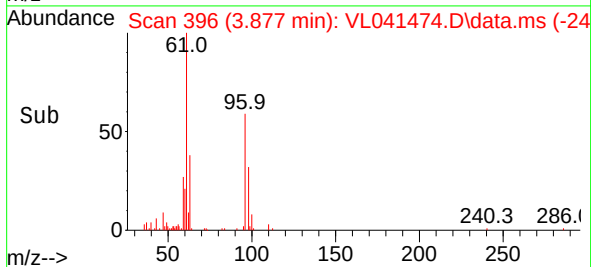
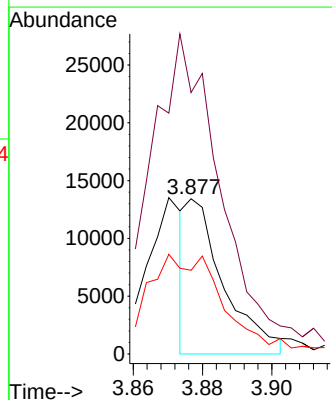
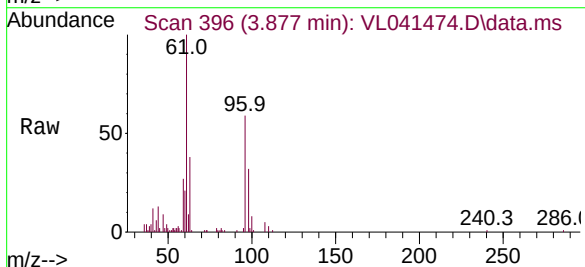
Tgt Ion: 96 Resp: 10066

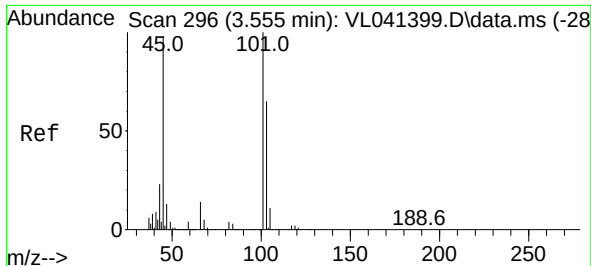
Ion Ratio Lower Upper

96 100

61 167.3 157.5 236.3

98 49.0 51.2 76.8#





#19

Isopropyl Alcohol

Concen: 0.323 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.016 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

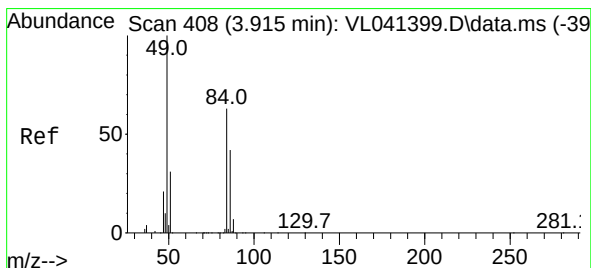
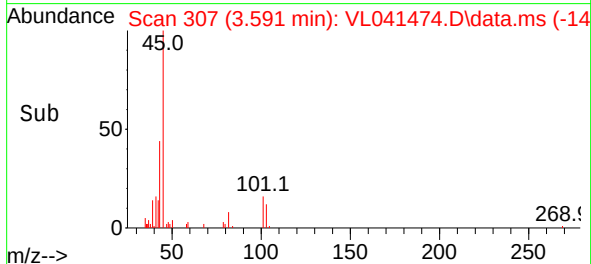
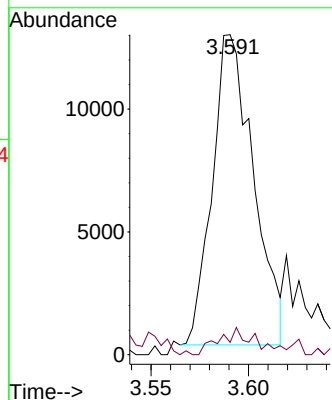
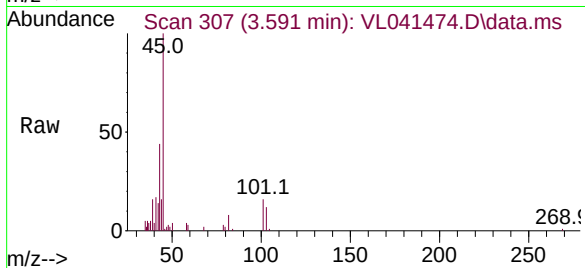
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 18583

Ion Ratio Lower Upper

45 100

58 11.3 1.9 2.9#



#20

Methylene Chloride

Concen: 0.527 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Tgt Ion: 84 Resp: 19342

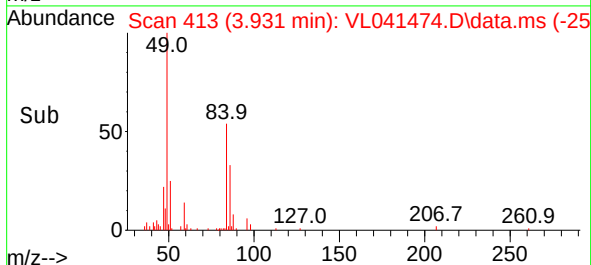
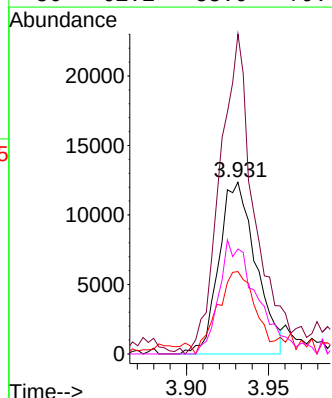
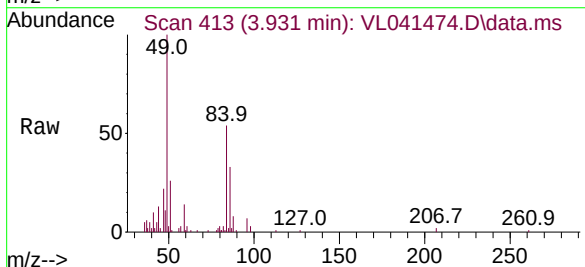
Ion Ratio Lower Upper

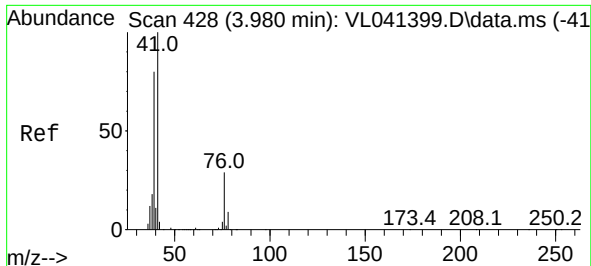
84 100

49 182.9 126.6 190.0

51 46.4 38.6 58.0

86 61.1 53.0 79.4





#21

Allyl Chloride

Concen: 0.447 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

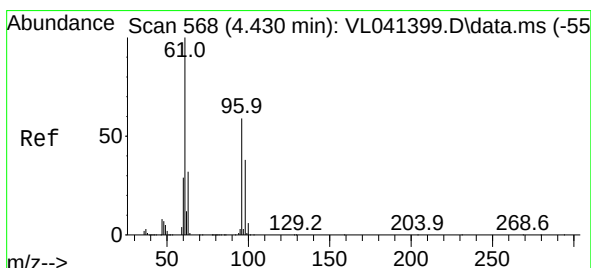
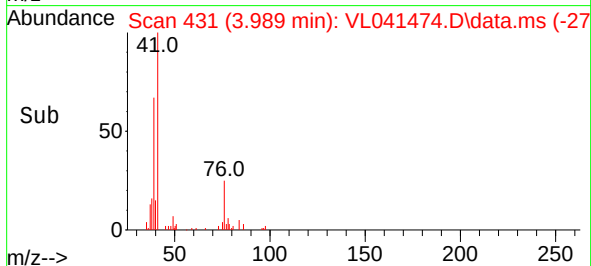
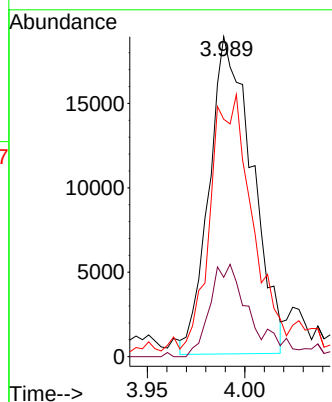
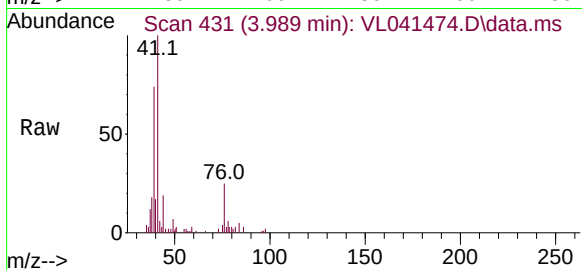
Tgt Ion: 41 Resp: 28834

Ion Ratio Lower Upper

41 100

76 29.0 23.7 35.5

39 96.0 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 0.493 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

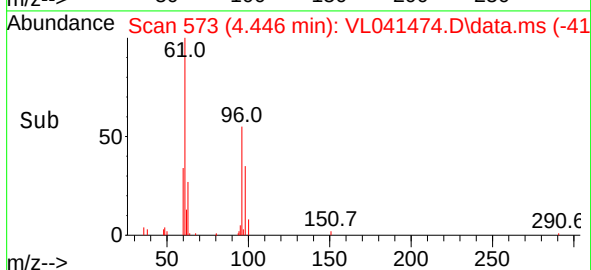
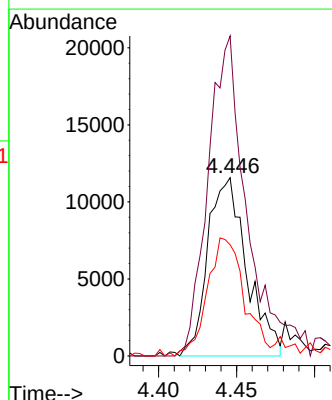
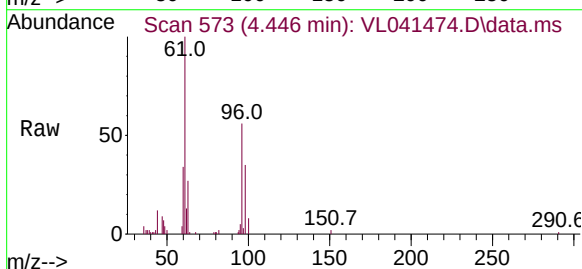
Tgt Ion: 96 Resp: 20121

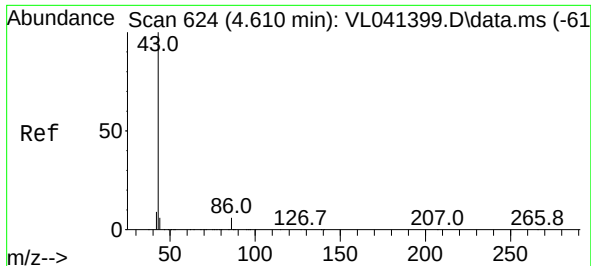
Ion Ratio Lower Upper

96 100

61 176.8 135.4 203.2

98 59.4 51.0 76.4

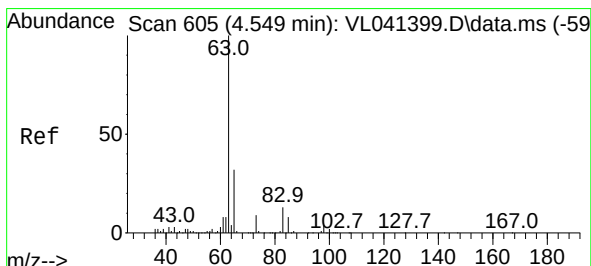
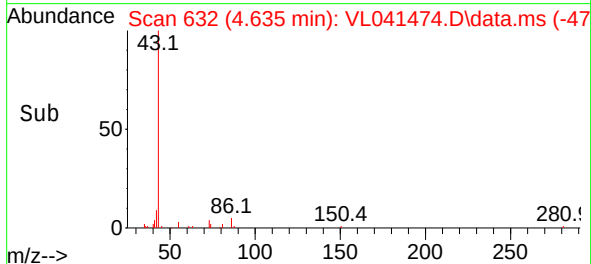
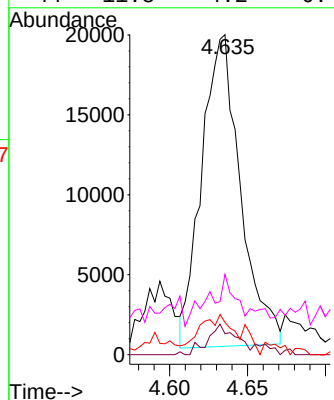
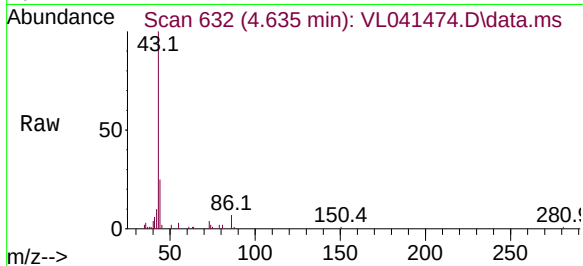




#23
 Vinyl Acetate
 Concen: 0.449 ppbv
 RT: 4.635 min Scan# 601
 Delta R.T. 0.010 min
 Lab File: VL041474.D
 Acq: 1 Aug 2024 11:58

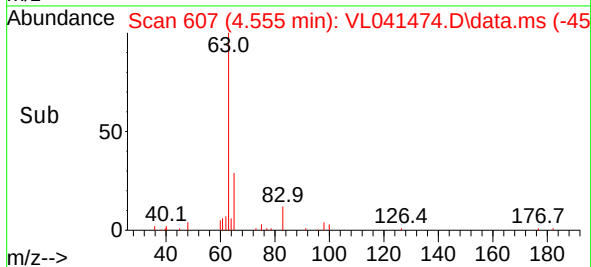
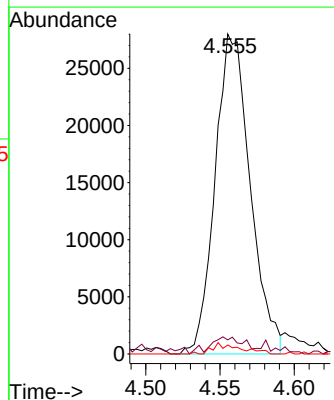
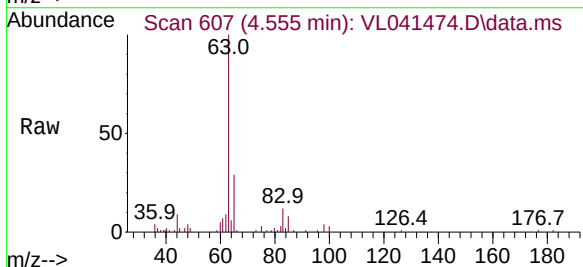
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT3-2024

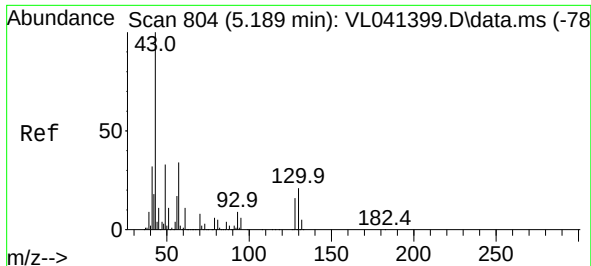
Tgt Ion: 43	Resp: 33783
Ion Ratio	Lower Upper
43 100	
86 7.1	4.6 6.8#
42 8.6	7.9 11.9
44 11.8	4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.521 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.007 min
 Lab File: VL041474.D
 Acq: 1 Aug 2024 11:58

Tgt Ion: 63	Resp: 46121
Ion Ratio	Lower Upper
63 100	
98 3.3	2.0 6.0
100 2.8	1.2 3.6





#25

Ethyl Acetate

Concen: 0.450 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

Tgt Ion: 43 Resp: 88009

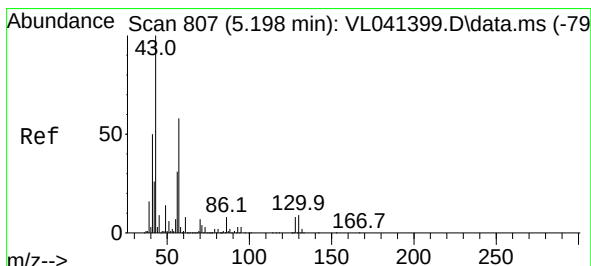
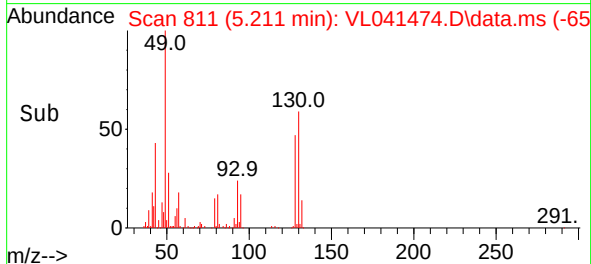
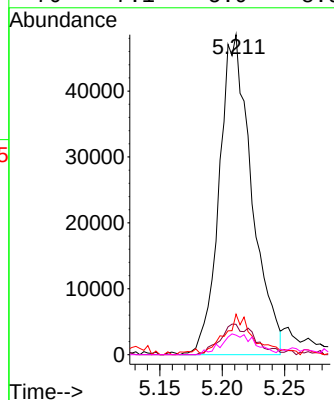
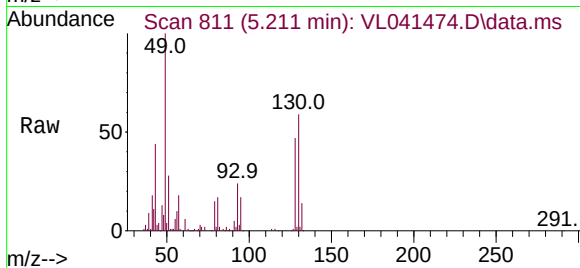
Ion Ratio Lower Upper

43 100

45 10.4 8.5 12.7

61 13.1 8.0 12.0#

70 7.1 5.9 8.9



#26

Hexane

Concen: 0.182 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Tgt Ion: 57 Resp: 14766

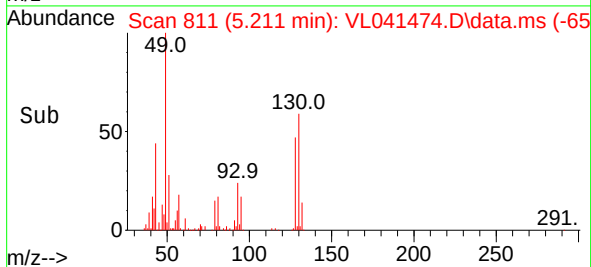
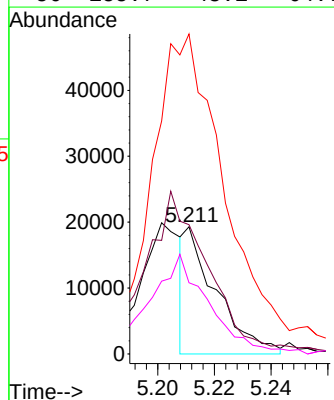
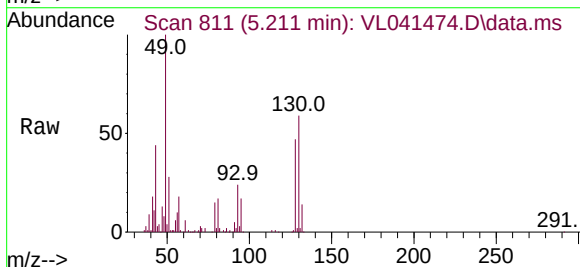
Ion Ratio Lower Upper

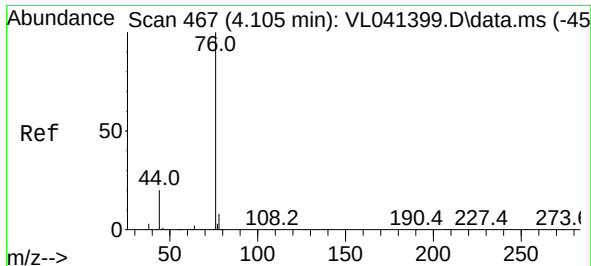
57 100

41 271.2 74.0 111.0#

43 643.8 193.6 290.4#

56 155.7 43.1 64.7#





#27

Carbon Disulfide

Concen: 0.349 ppbv

RT: 4.121 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

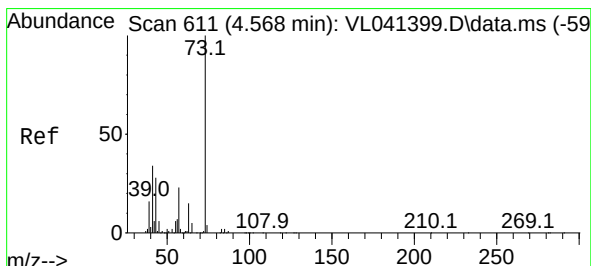
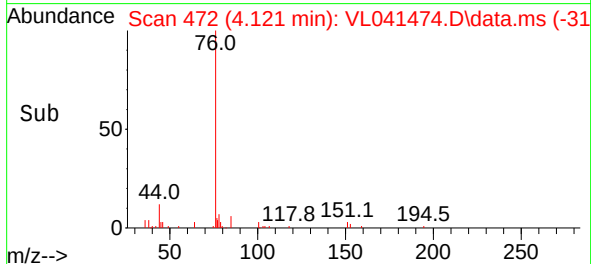
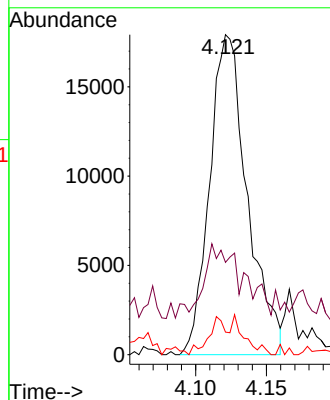
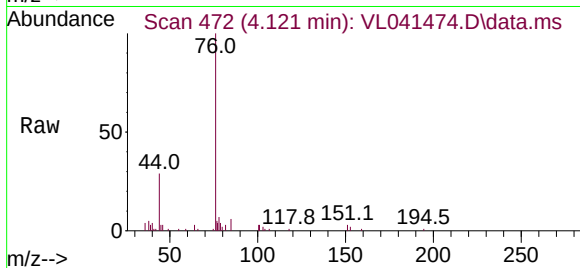
Tgt Ion: 76 Resp: 33147

Ion Ratio Lower Upper

76 100

44 35.0 15.6 23.4#

78 10.3 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 0.475 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.013 min

Lab File: VL041474.D

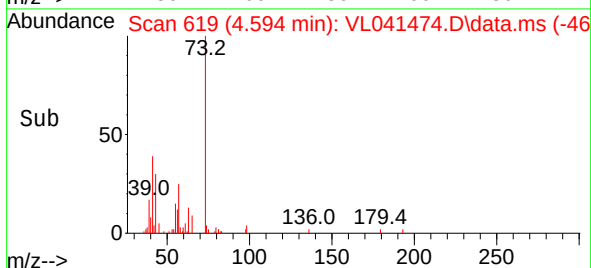
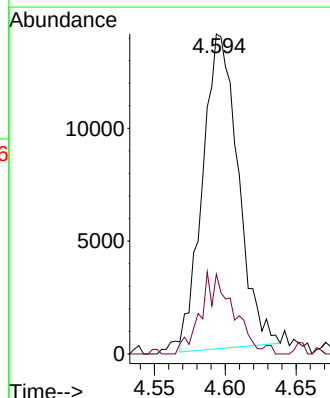
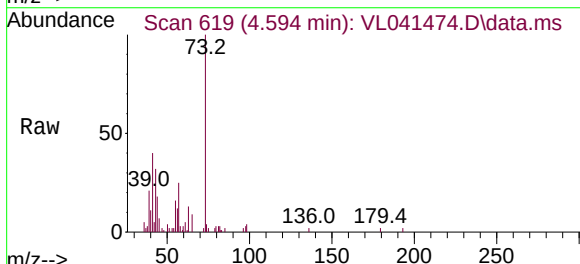
Acq: 1 Aug 2024 11:58

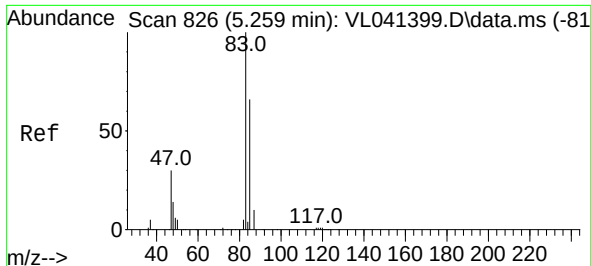
Tgt Ion: 73 Resp: 24285

Ion Ratio Lower Upper

73 100

57 25.7 18.9 28.3





#29

Chloroform

Concen: 0.507 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

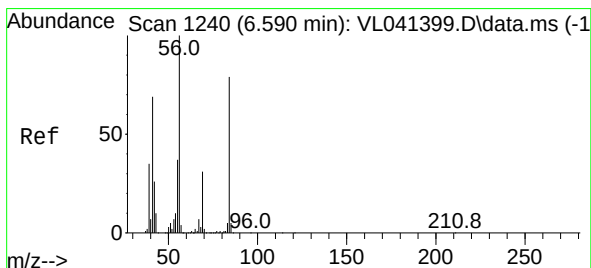
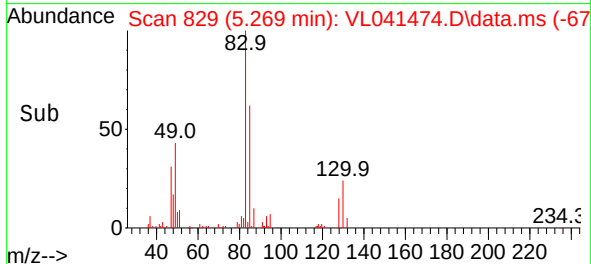
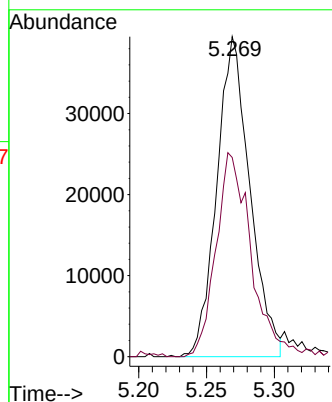
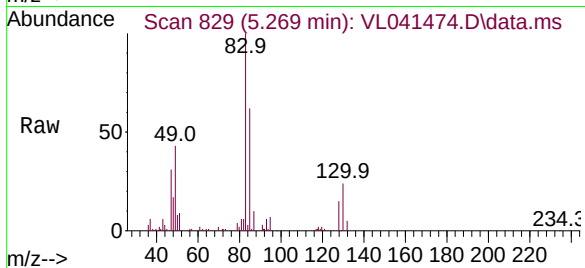
MDL-AIR-03-QT3-2024

Tgt Ion: 83 Resp: 67065

Ion Ratio Lower Upper

83 100

85 62.2 53.1 79.7



#30

Cyclohexane

Concen: 0.201 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

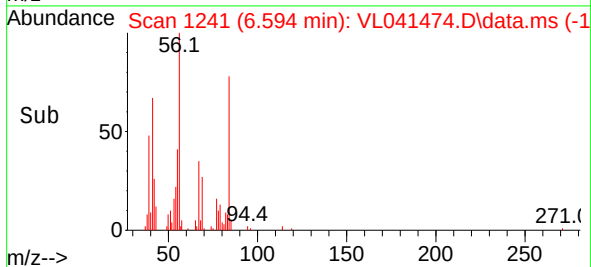
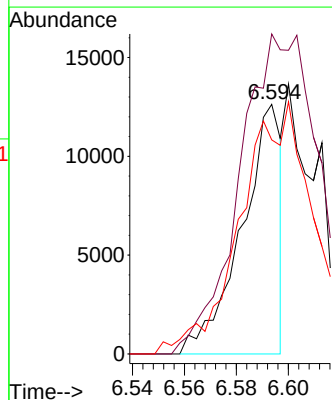
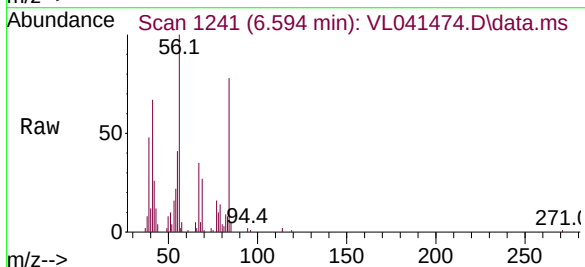
Tgt Ion: 84 Resp: 13313

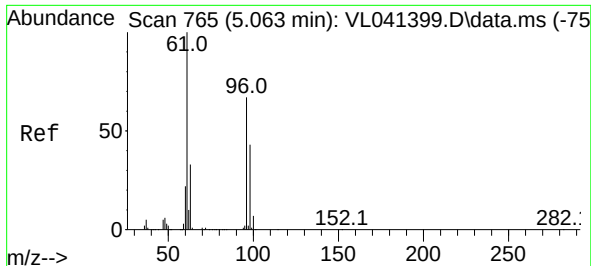
Ion Ratio Lower Upper

84 100

56 244.2 111.2 166.8#

41 0.0 70.3 105.5#





#31

cis-1,2-Dichloroethene

Concen: 0.472 ppbv

RT: 5.076 min Scan# 765

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

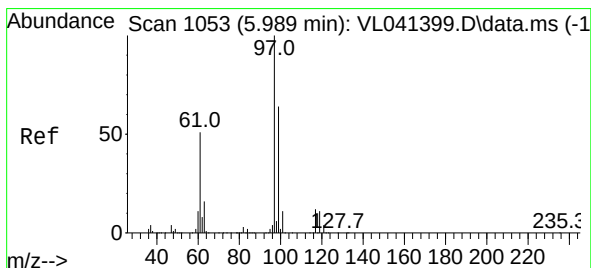
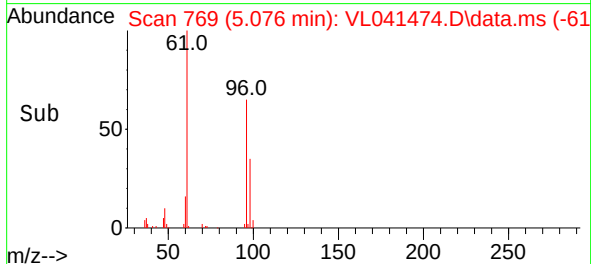
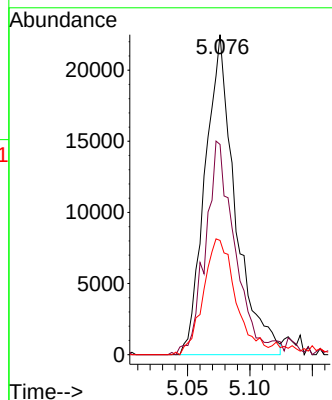
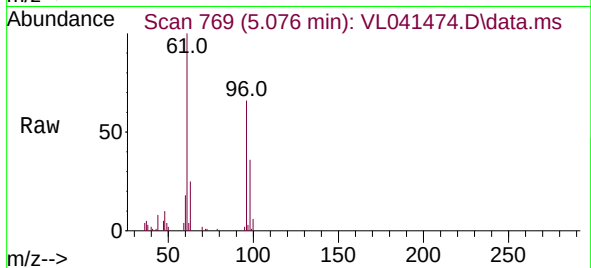
Tgt Ion: 61 Resp: 37837

Ion Ratio Lower Upper

61 100

96 63.3 53.4 80.2

98 35.7 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.466 ppbv

RT: 5.999 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

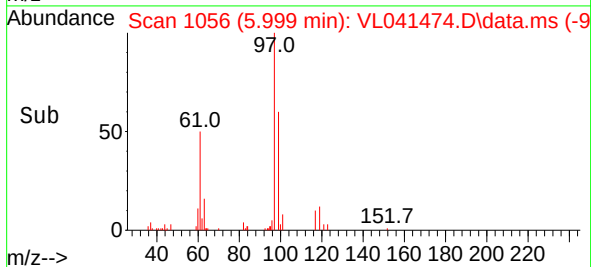
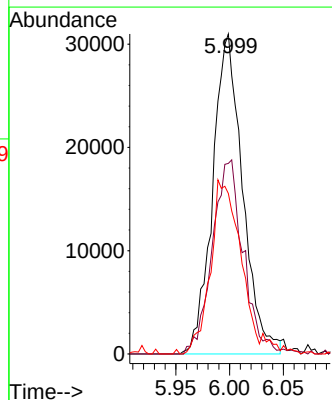
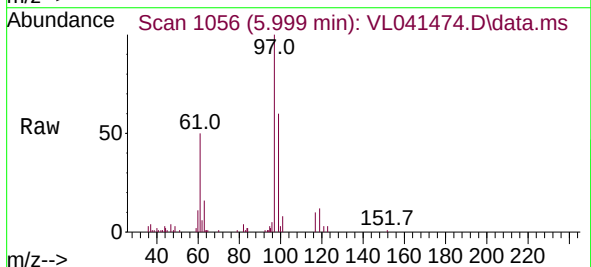
Tgt Ion: 97 Resp: 60022

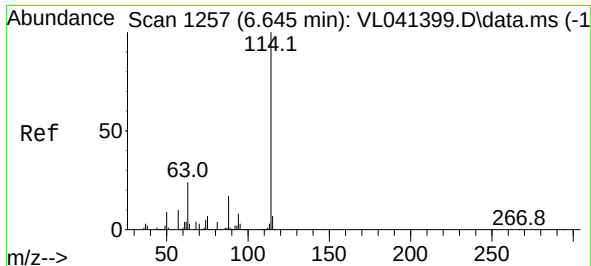
Ion Ratio Lower Upper

97 100

99 63.4 52.0 78.0

61 57.0 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

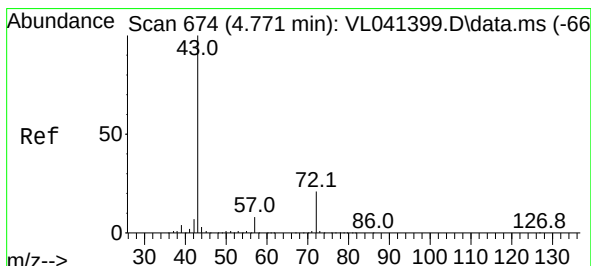
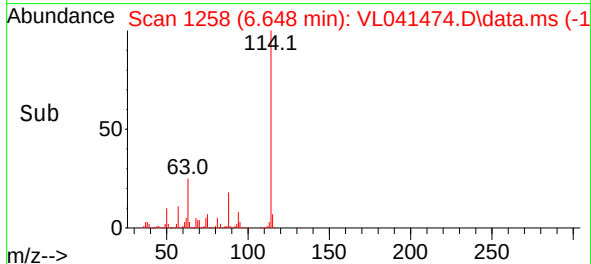
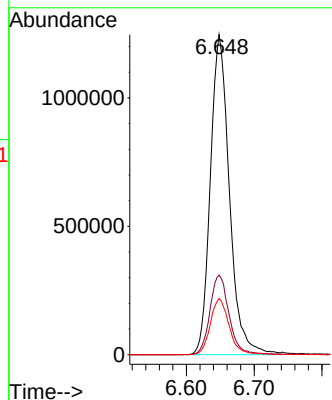
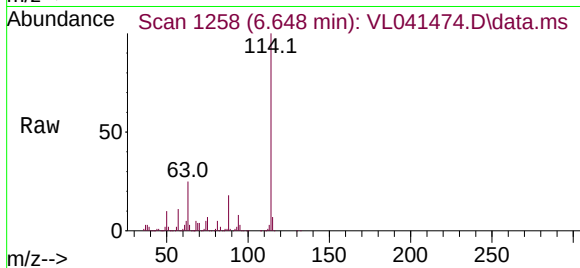
Tgt Ion:114 Resp: 2432361

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.444 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.016 min

Lab File: VL041474.D

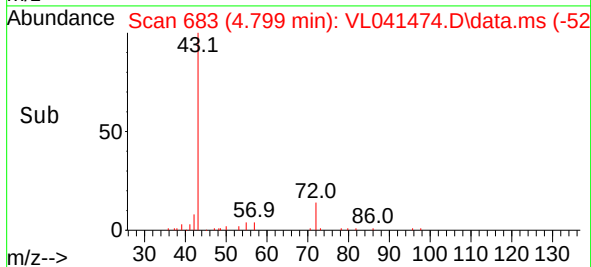
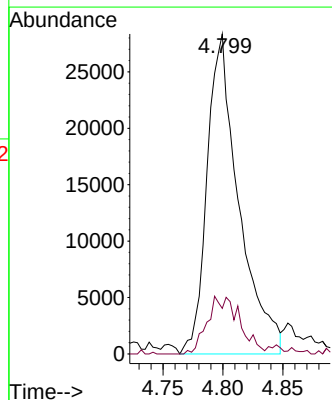
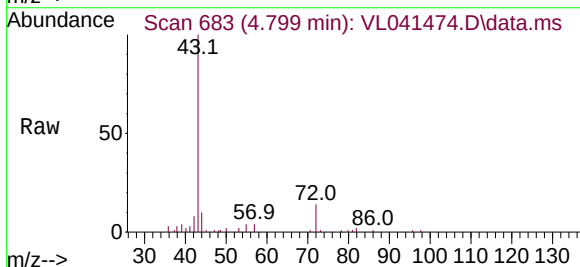
Acq: 1 Aug 2024 11:58

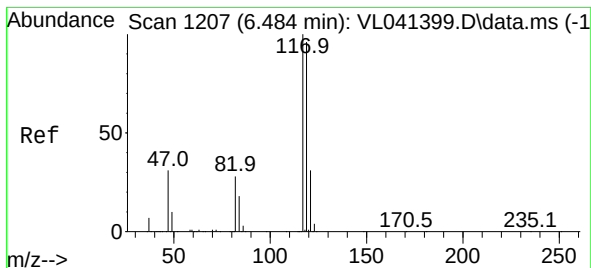
Tgt Ion: 43 Resp: 52208

Ion Ratio Lower Upper

43 100

72 20.1 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.441 ppbv

RT: 6.487 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

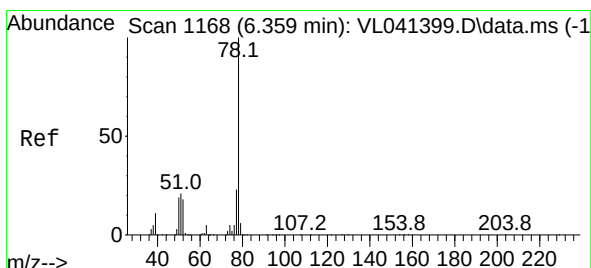
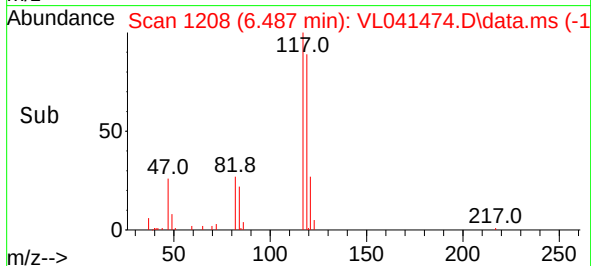
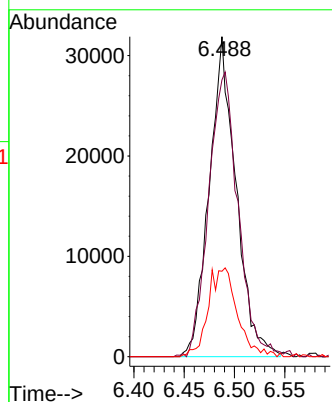
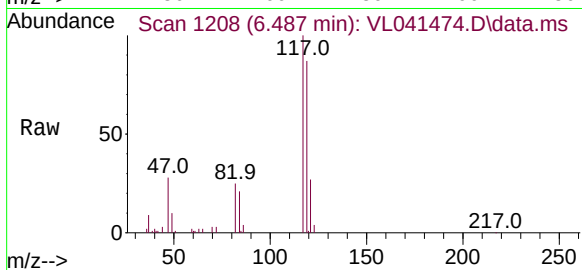
Tgt Ion:117 Resp: 59112

Ion Ratio Lower Upper

117 100

119 86.0 76.6 115.0

121 26.7 25.1 37.7



#36

Benzene

Concen: 0.436 ppbv

RT: 6.365 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

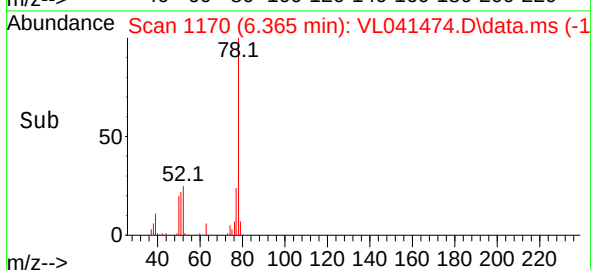
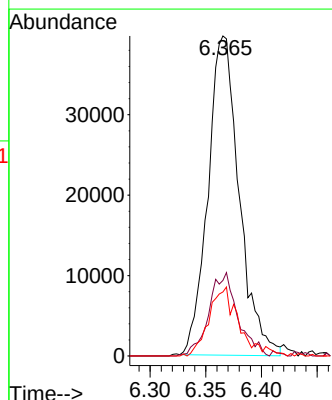
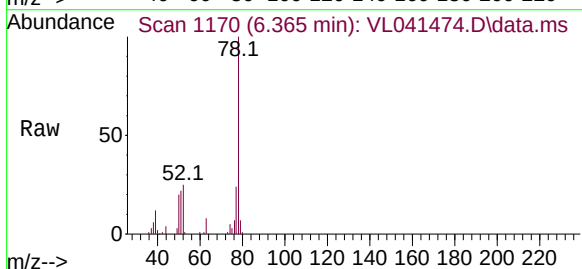
Tgt Ion: 78 Resp: 77478

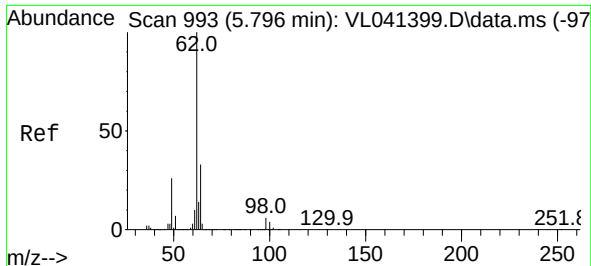
Ion Ratio Lower Upper

78 100

77 23.3 18.1 27.1

50 20.2 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.462 ppbv

RT: 5.806 min Scan# 993

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

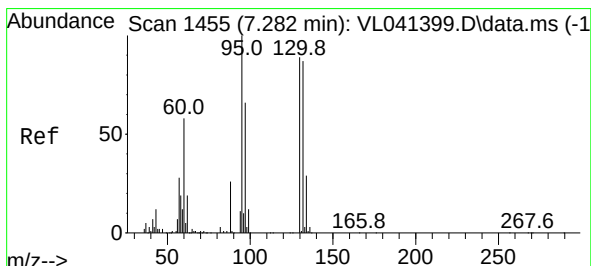
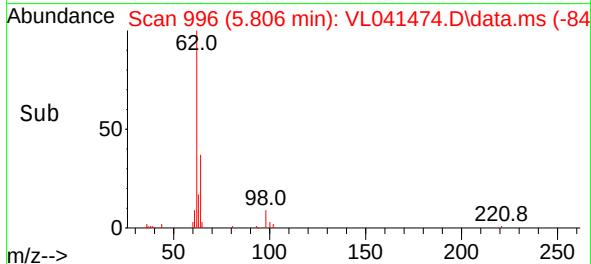
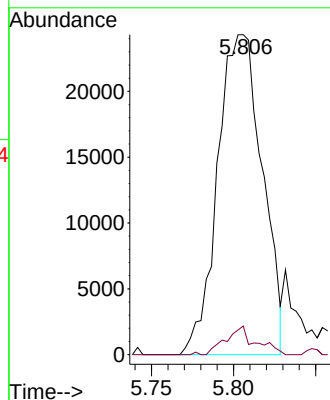
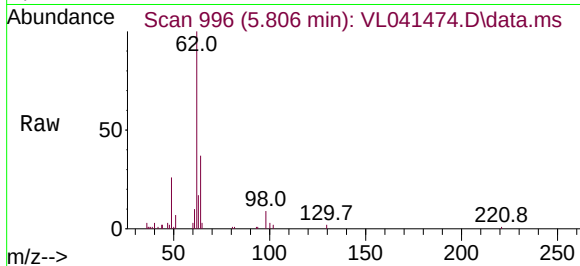
MDL-AIR-03-QT3-2024

Tgt Ion: 62 Resp: 45981

Ion Ratio Lower Upper

62 100

98 5.9 5.0 7.4



#38

Trichloroethene

Concen: 0.452 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Tgt Ion:130 Resp: 36809

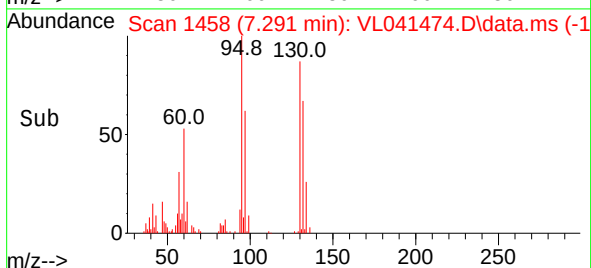
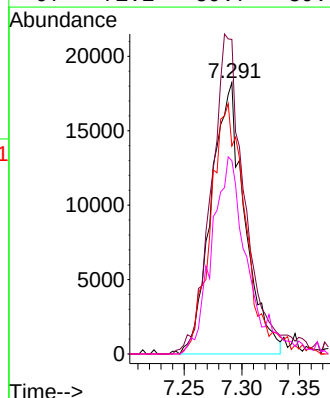
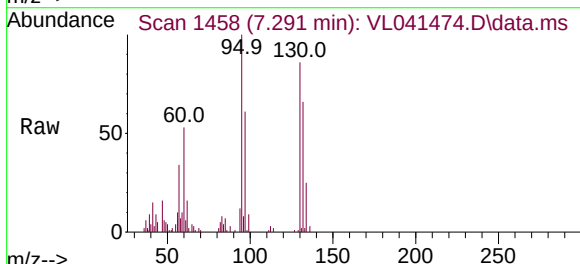
Ion Ratio Lower Upper

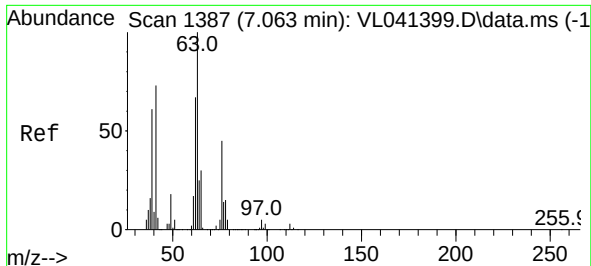
130 100

95 114.3 90.2 135.2

132 76.7 78.1 117.1#

97 71.2 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.278 ppbv

RT: 7.063 min Scan# 1452

Delta R.T. -0.007 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

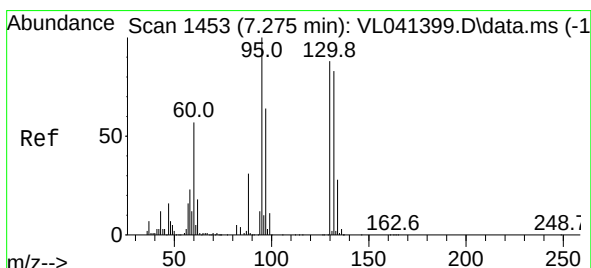
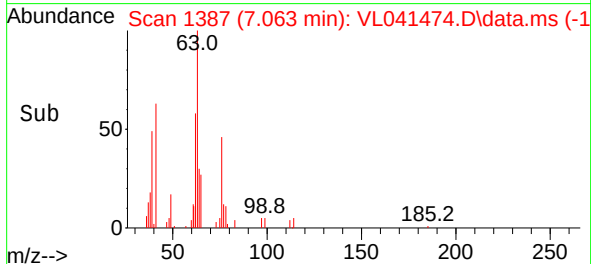
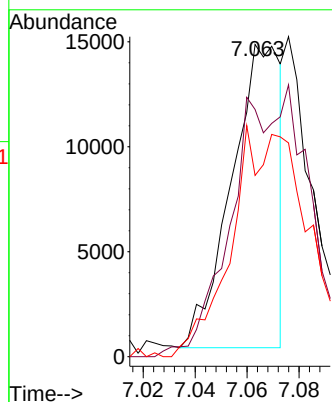
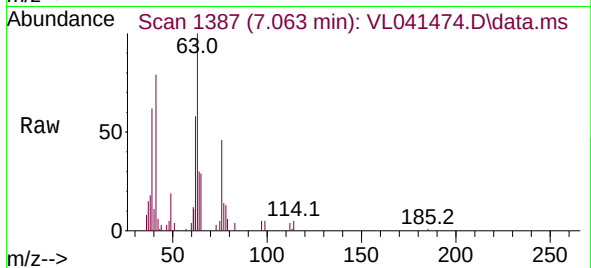
Tgt Ion: 63 Resp: 18889

Ion Ratio Lower Upper

63 100

41 78.3 58.3 87.5

62 56.4 53.9 80.9



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.007 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Tgt Ion: 88 Resp: 60

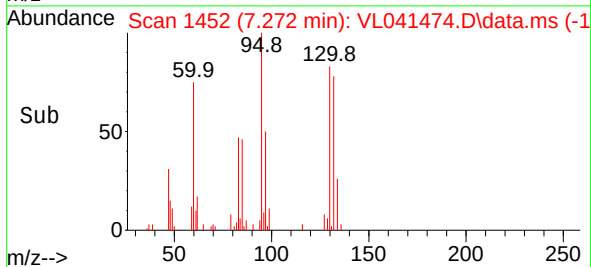
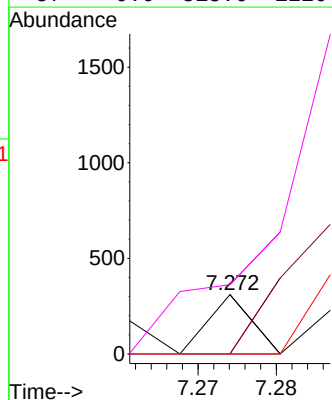
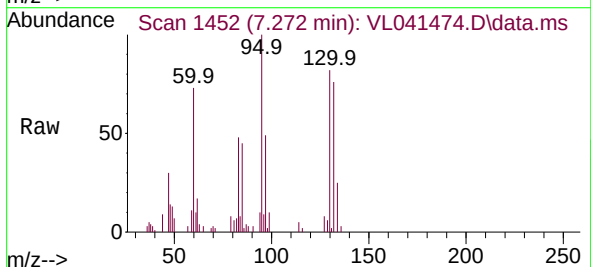
Ion Ratio Lower Upper

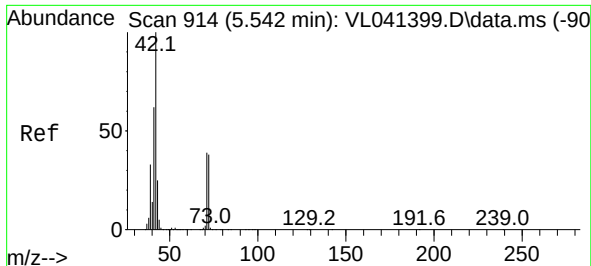
88 100

58 0.0 95.8 143.6#

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.154 ppbv

RT: 5.571 min Scan# 914

Delta R.T. 0.019 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

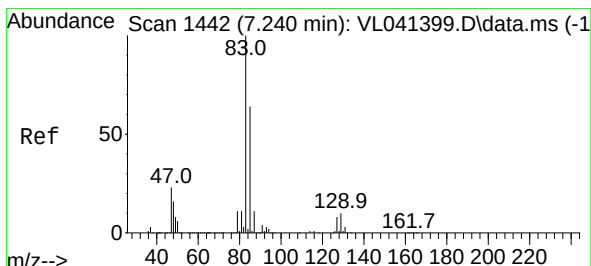
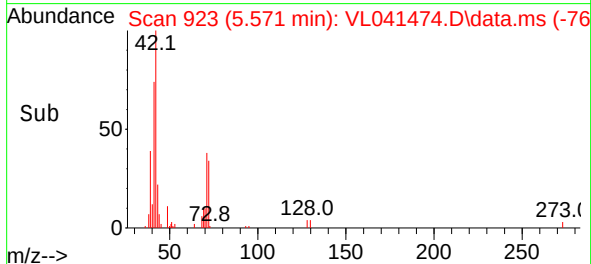
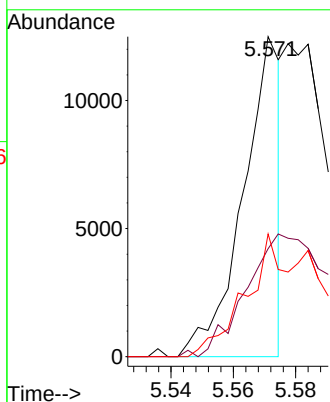
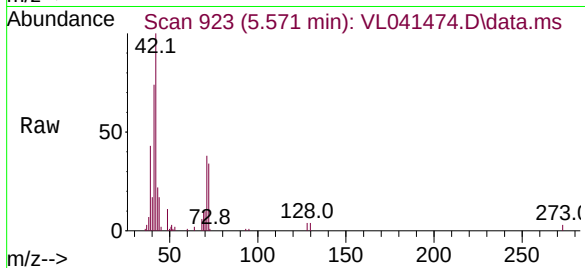
Tgt Ion: 42 Resp: 10392

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

71 90.1 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.432 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

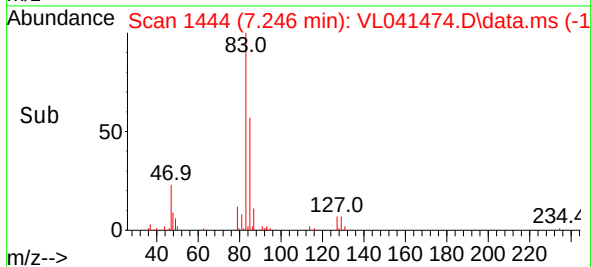
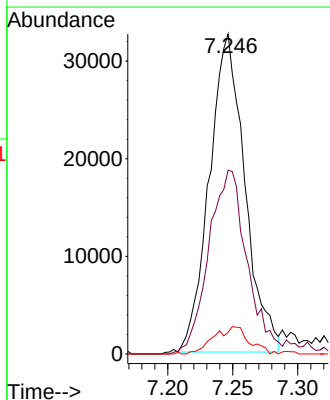
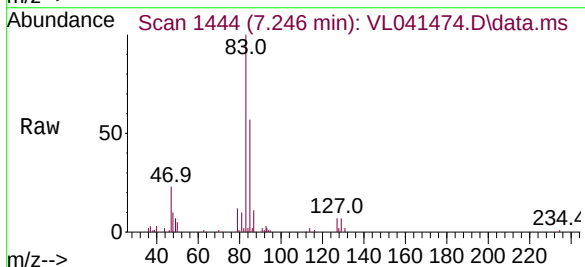
Tgt Ion: 83 Resp: 61981

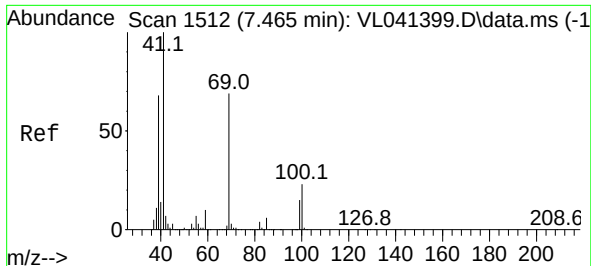
Ion Ratio Lower Upper

83 100

85 56.9 51.4 77.0

127 6.8 6.7 10.1





#43

Methyl Methacrylate

Concen: 0.195 ppbv

RT: 7.475 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

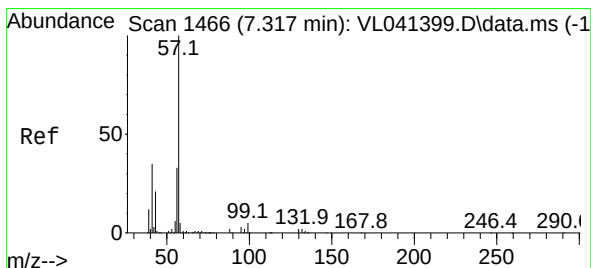
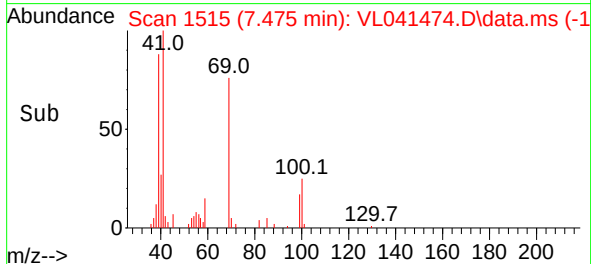
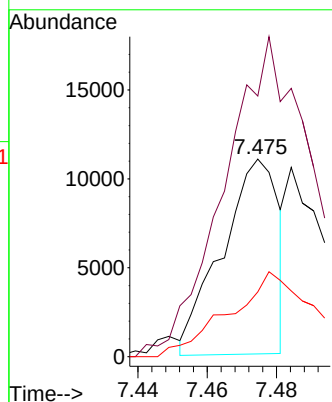
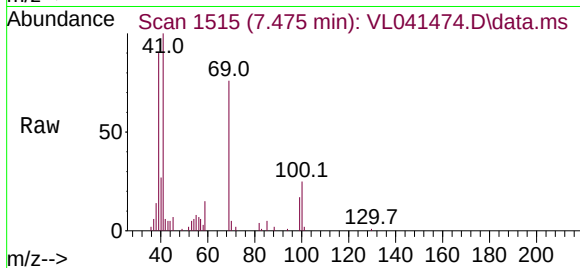
Tgt Ion: 69 Resp: 12429

Ion Ratio Lower Upper

69 100

41 283.4 118.7 178.1#

100 69.6 27.0 40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.422 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

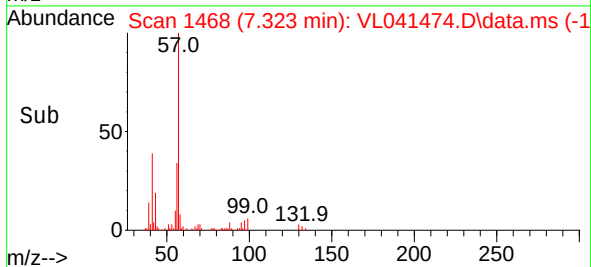
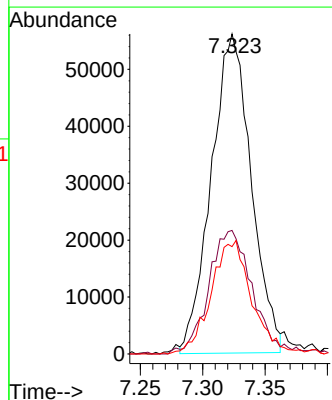
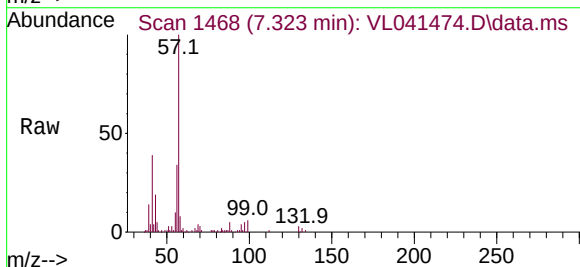
Tgt Ion: 57 Resp: 125213

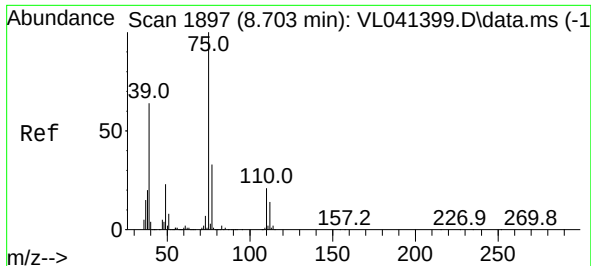
Ion Ratio Lower Upper

57 100

41 42.7 27.0 40.6#

56 36.6 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 0.002 ppbv

RT: 8.214 min Scan# 1

Delta R.T. -0.495 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

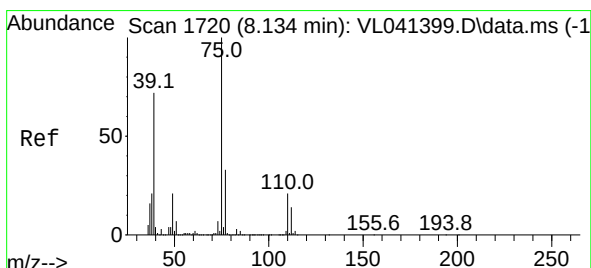
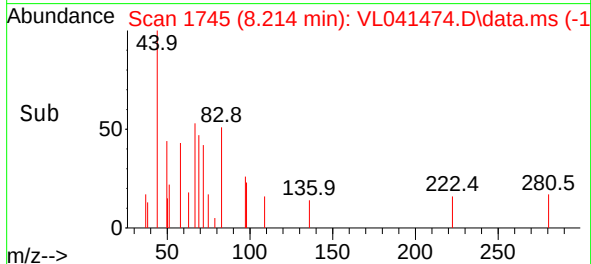
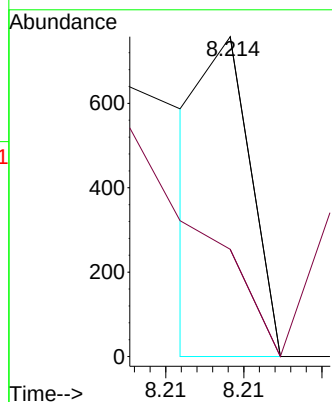
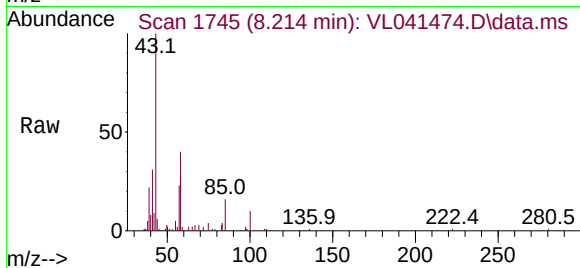
MDL-AIR-03-QT3-2024

Tgt Ion: 75 Resp: 146

Ion Ratio Lower Upper

75 100

77 33.5 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 0.337 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

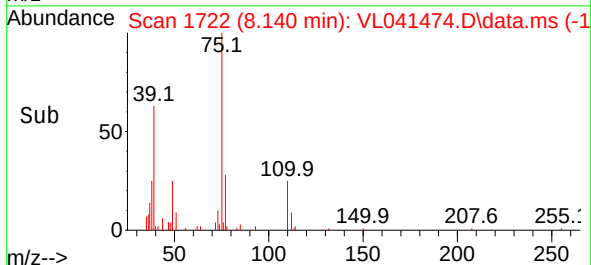
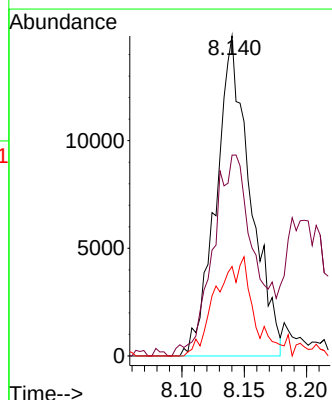
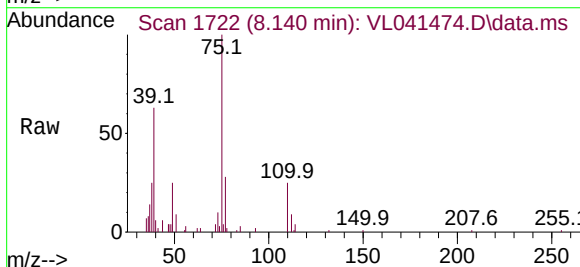
Tgt Ion: 75 Resp: 28523

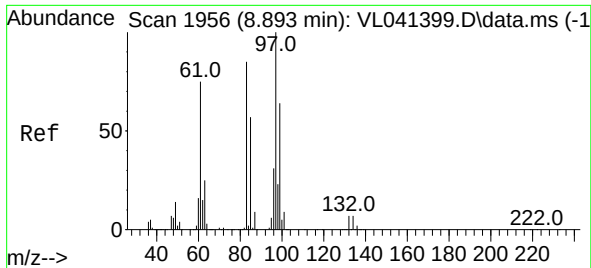
Ion Ratio Lower Upper

75 100

39 59.2 57.3 85.9

77 27.9 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 0.238 ppbv

RT: 8.899 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

Tgt Ion: 97 Resp: 17822

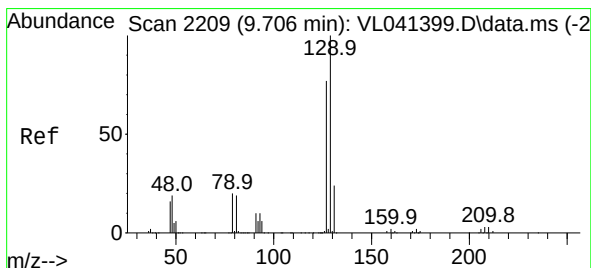
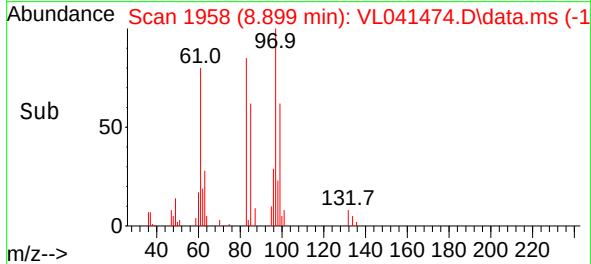
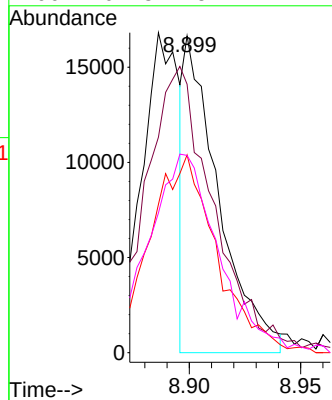
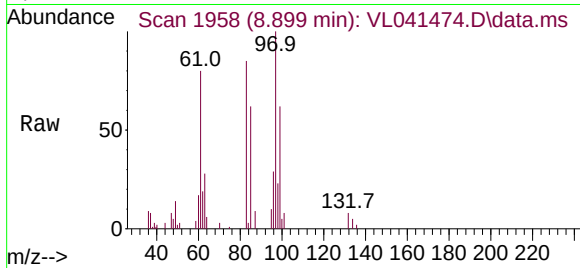
Ion Ratio Lower Upper

97 100

83 85.3 67.6 101.4

85 63.7 45.9 68.9

99 61.3 51.4 77.0



#48

Dibromochloromethane

Concen: 0.382 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VL041474.D

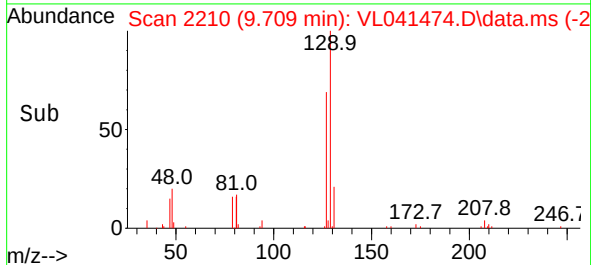
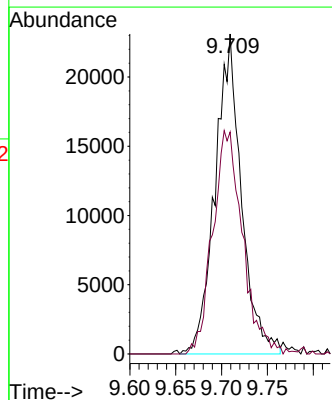
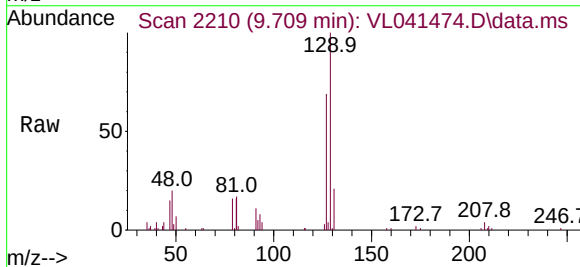
Acq: 1 Aug 2024 11:58

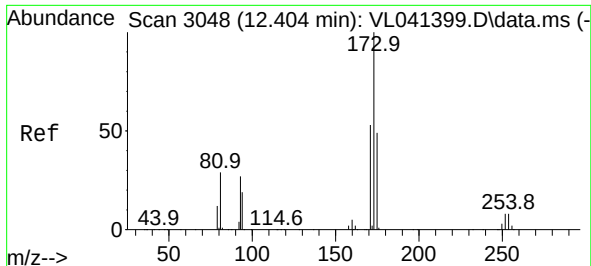
Tgt Ion: 129 Resp: 46139

Ion Ratio Lower Upper

129 100

127 79.4 39.3 117.8





#49

Bromoform

Concen: 0.180 ppbv

RT: 12.400 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

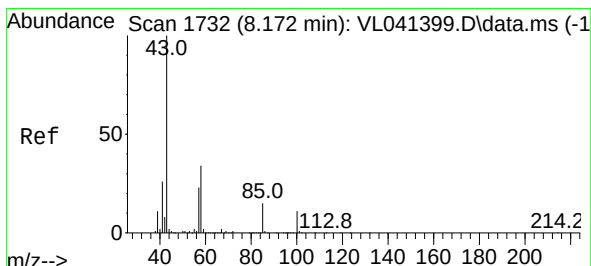
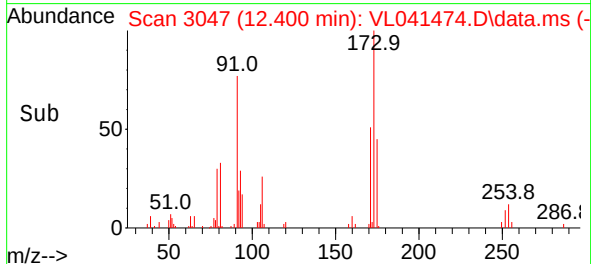
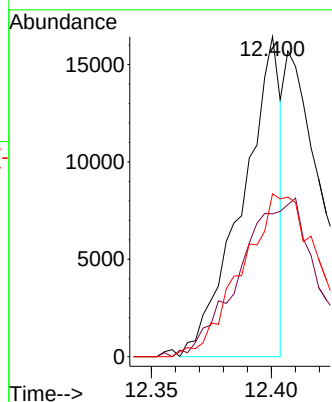
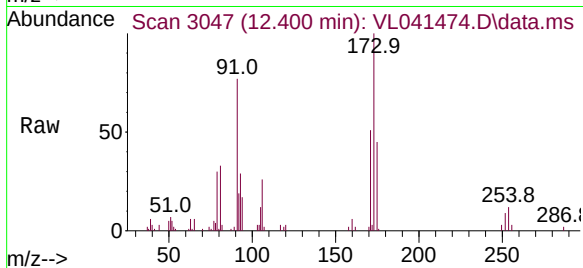
Tgt Ion:173 Resp: 18374

Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

171 106.8 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.226 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.016 min

Lab File: VL041474.D

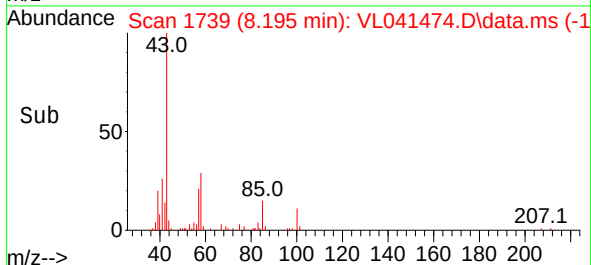
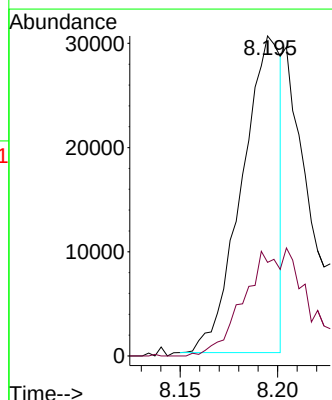
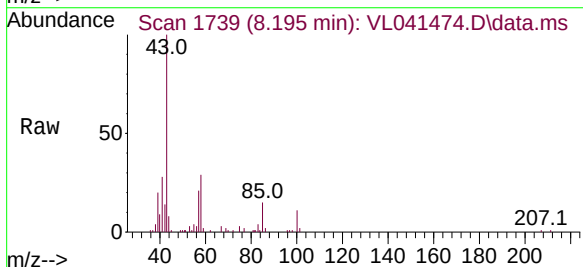
Acq: 1 Aug 2024 11:58

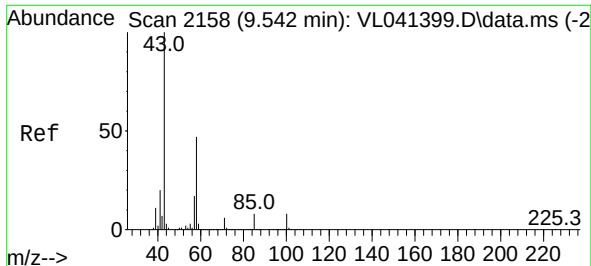
Tgt Ion: 43 Resp: 41924

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

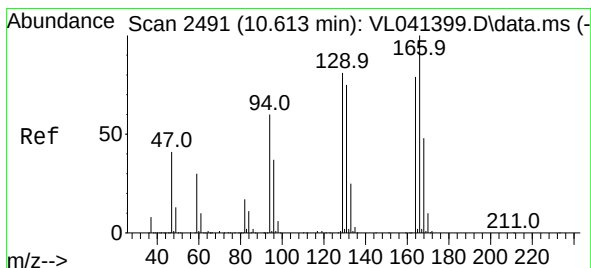
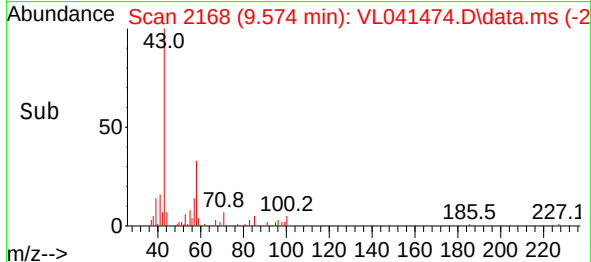
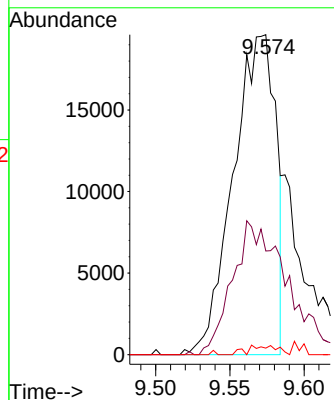
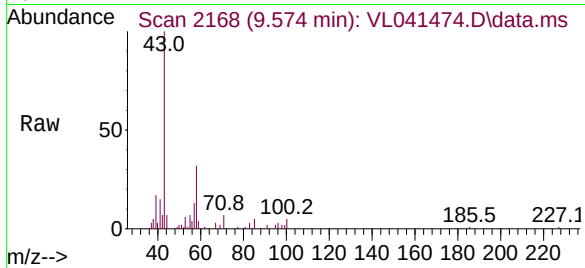




#51
2-Hexanone
Concen: 0.279 ppbv
RT: 9.574 min Scan# 2158
Delta R.T. 0.029 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

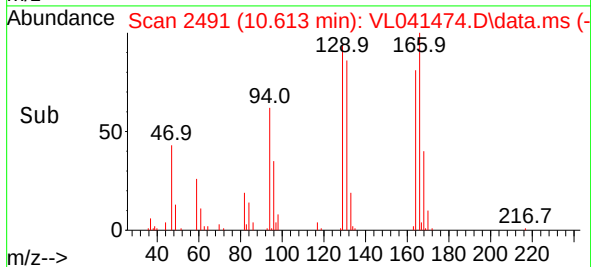
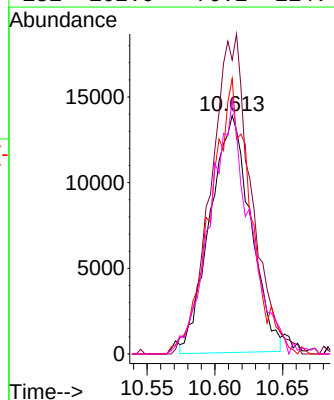
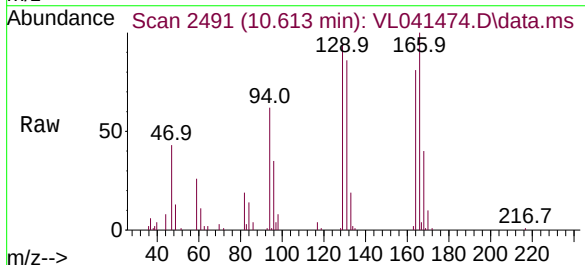
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

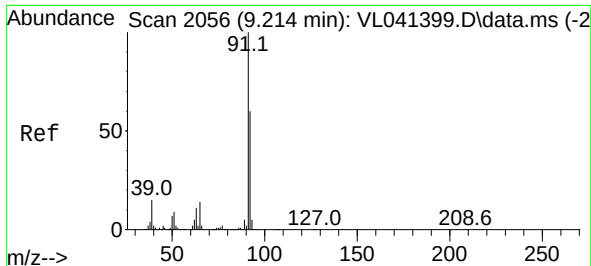
Tgt Ion: 43 Resp: 39111
Ion Ratio Lower Upper
43 100
58 57.3 38.2 57.2#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.419 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.000 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion: 164 Resp: 28759
Ion Ratio Lower Upper
164 100
166 121.0 101.1 151.7
129 113.0 81.7 122.5
131 102.9 76.2 114.4





#53

Toluene

Concen: 0.359 ppbv

RT: 9.217 min Scan# 2056

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

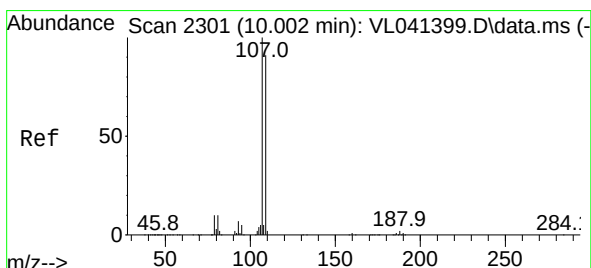
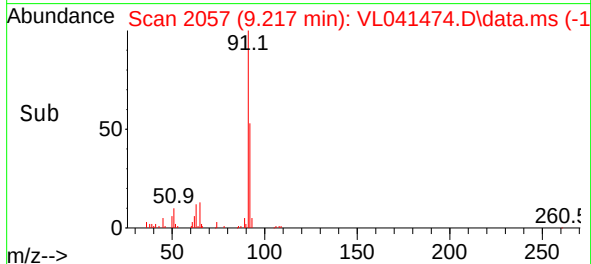
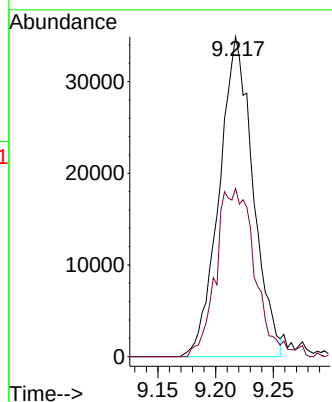
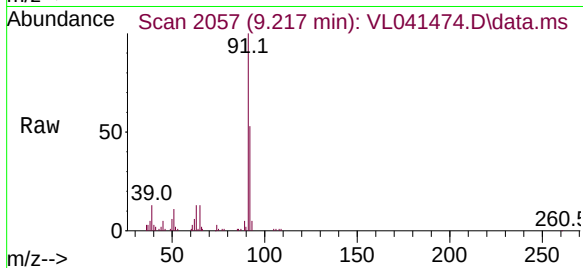
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 71167

Ion Ratio Lower Upper

91 100

92 60.7 48.7 73.1



#54

1,2-Dibromoethane

Concen: 0.247 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041474.D

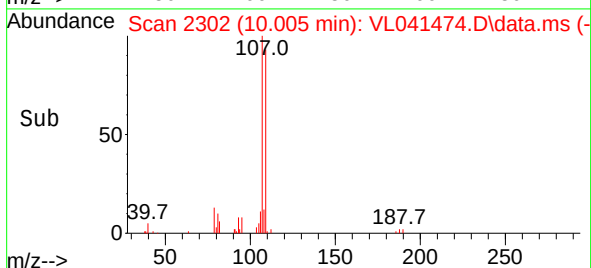
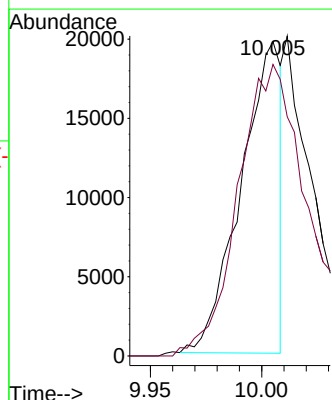
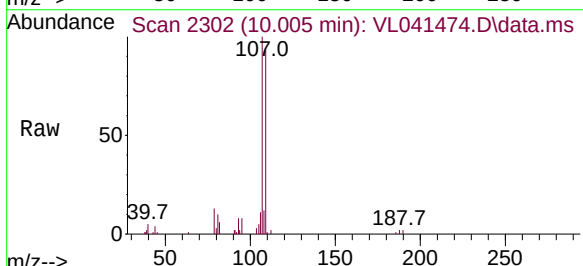
Acq: 1 Aug 2024 11:58

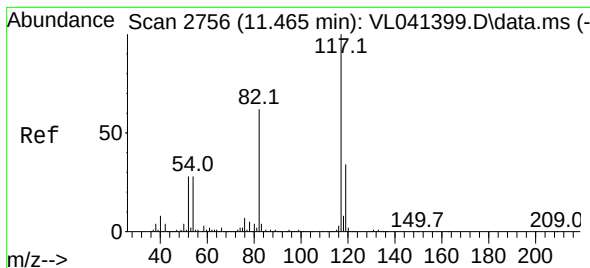
Tgt Ion: 107 Resp: 24673

Ion Ratio Lower Upper

107 100

109 91.1 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

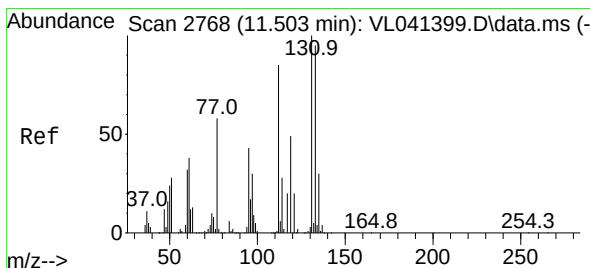
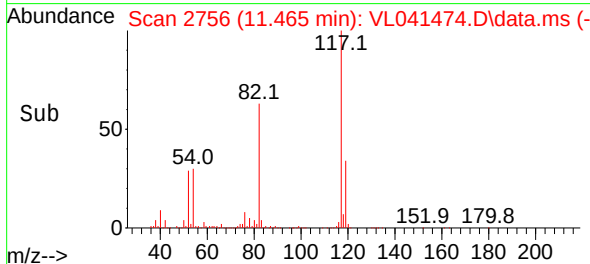
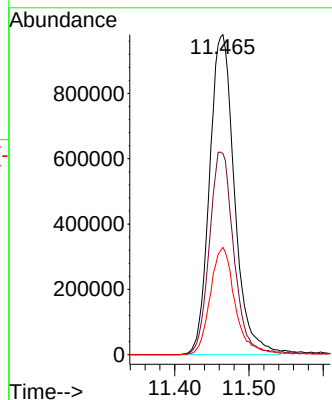
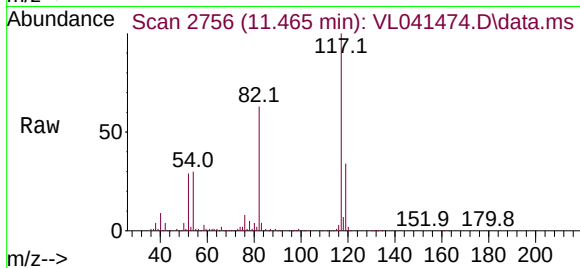
Tgt Ion:117 Resp: 2284853

Ion Ratio Lower Upper

117 100

82 63.2 51.0 76.6

119 33.8 45.2 67.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 0.133 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. 0.013 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

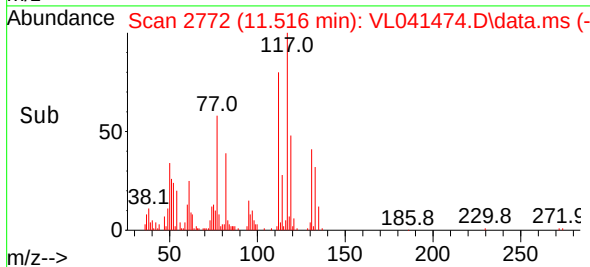
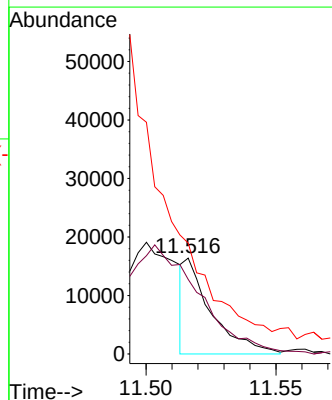
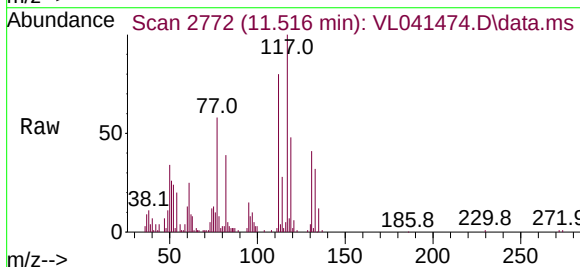
Tgt Ion:131 Resp: 11752

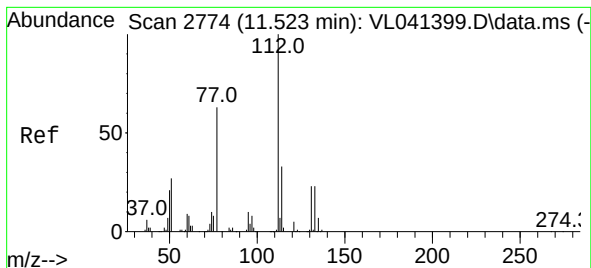
Ion Ratio Lower Upper

131 100

133 0.0 77.0 115.4#

119 0.0 121.5 182.3#





#57

Chlorobenzene

Concen: 0.516 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

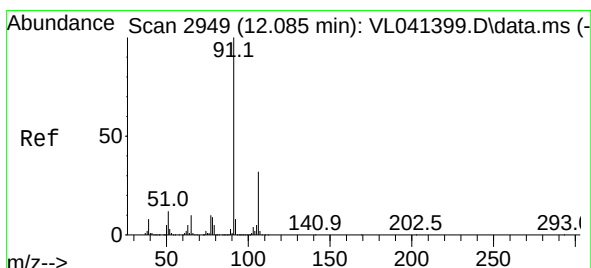
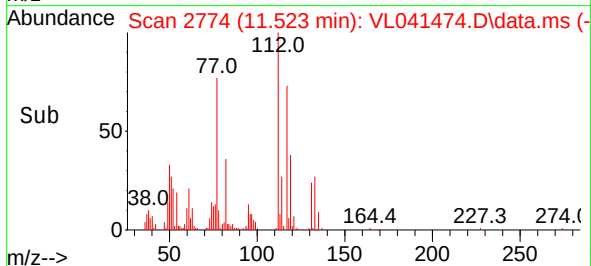
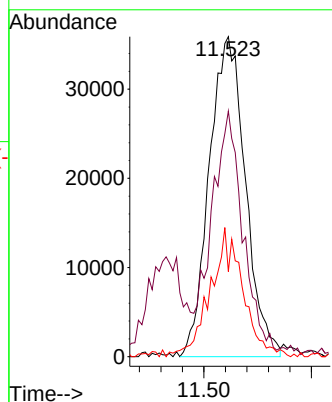
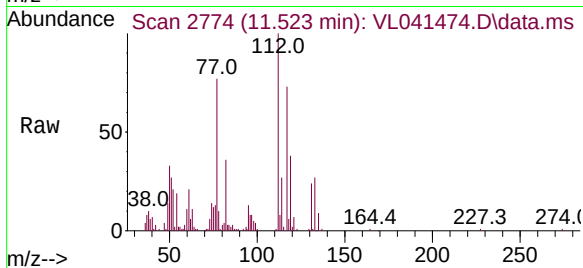
Tgt Ion:112 Resp: 83888

Ion Ratio Lower Upper

112 100

77 74.1 51.1 76.7

114 24.7 29.5 36.1#



#58

Ethyl Benzene

Concen: 0.092 ppbv

RT: 12.355 min Scan# 3033

Delta R.T. 0.270 min

Lab File: VL041474.D

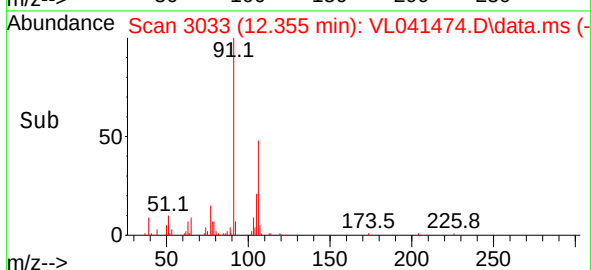
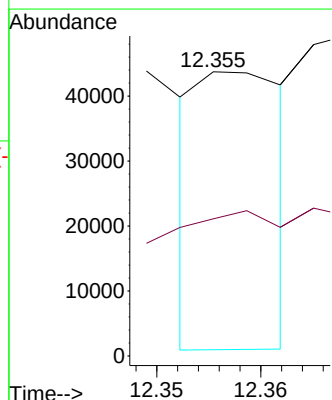
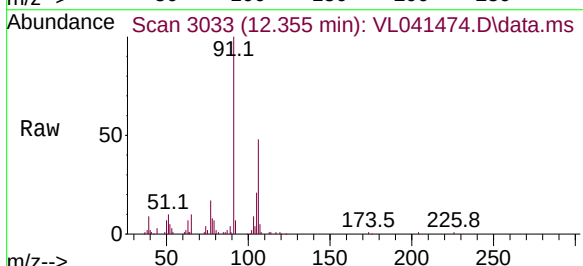
Acq: 1 Aug 2024 11:58

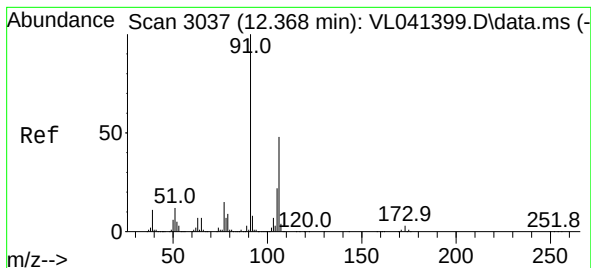
Tgt Ion: 91 Resp: 24330

Ion Ratio Lower Upper

91 100

106 34.4 25.8 38.8





#59

m/p-Xylene

Concen: 0.158 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

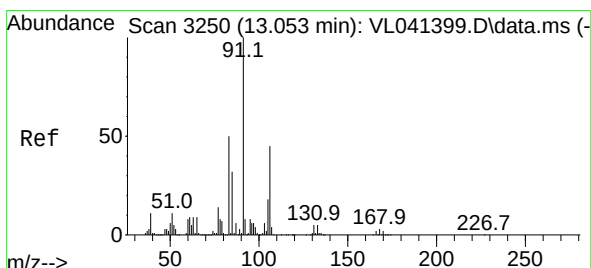
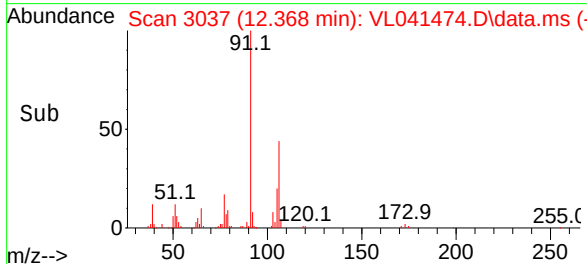
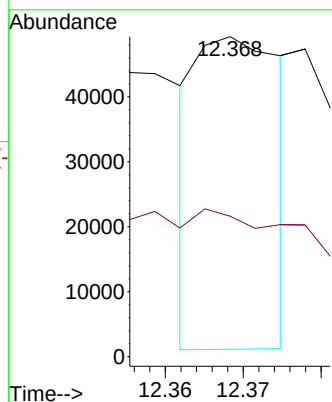
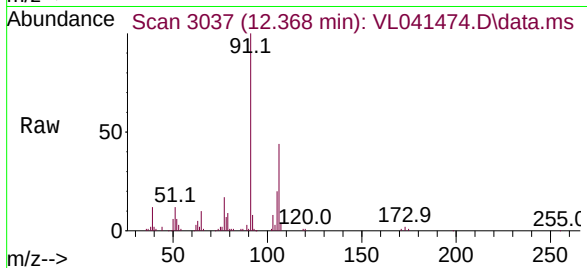
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 35881

Ion Ratio Lower Upper

91 100

106 227.8 36.3 54.5#



#60

o-Xylene

Concen: 0.391 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.000 min

Lab File: VL041474.D

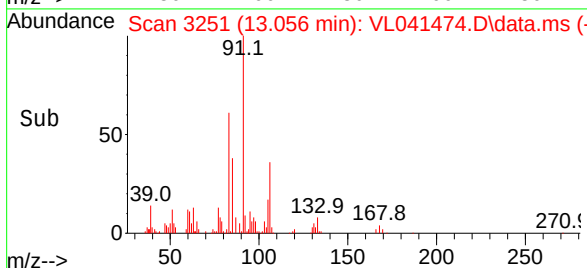
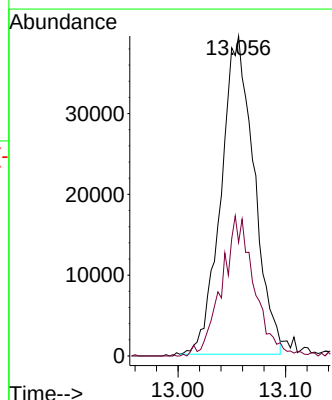
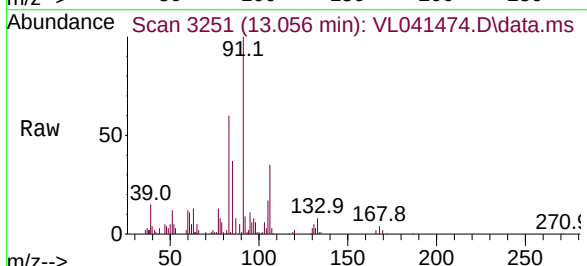
Acq: 1 Aug 2024 11:58

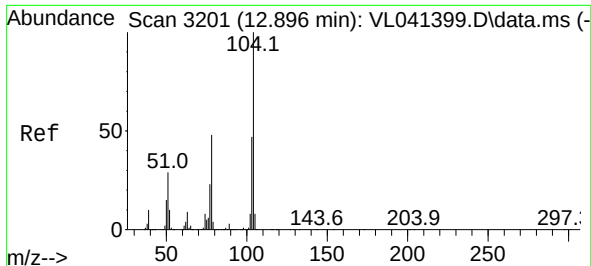
Tgt Ion: 91 Resp: 84166

Ion Ratio Lower Upper

91 100

106 43.6 23.1 69.3

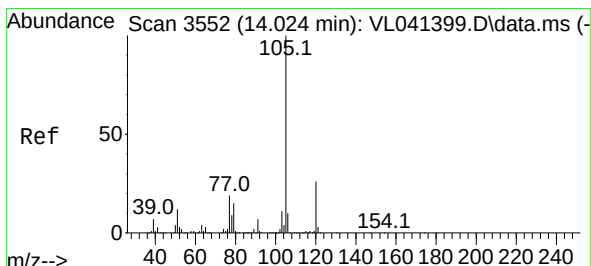
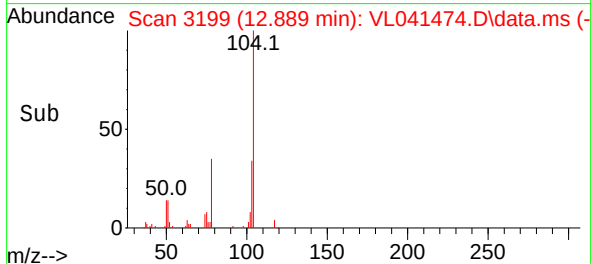
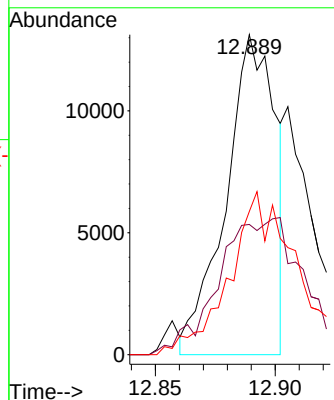
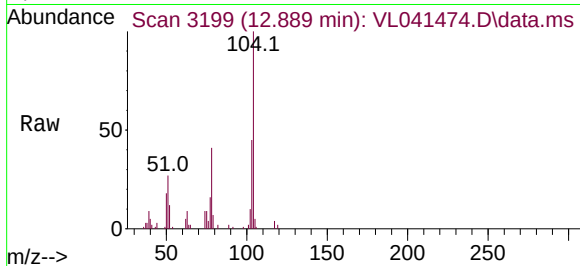




#61
Styrene
Concen: 0.194 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.007 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

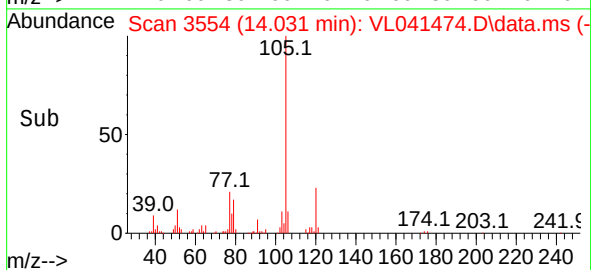
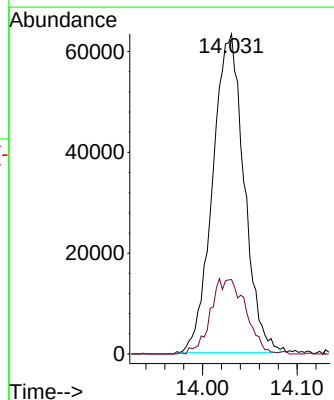
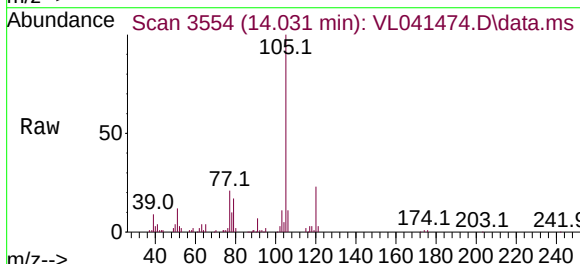
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

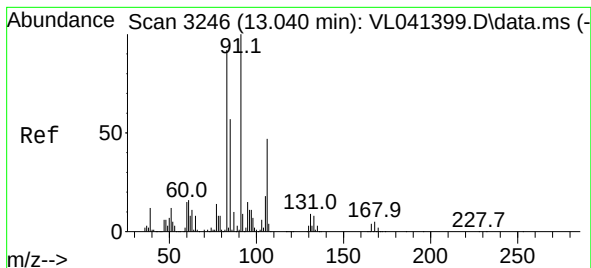
Tgt Ion:104 Resp: 18792
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 68.3 38.2 57.4#



#62
Isopropylbenzene
Concen: 0.446 ppbv
RT: 14.031 min Scan# 3554
Delta R.T. 0.003 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion:105 Resp: 145679
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.4

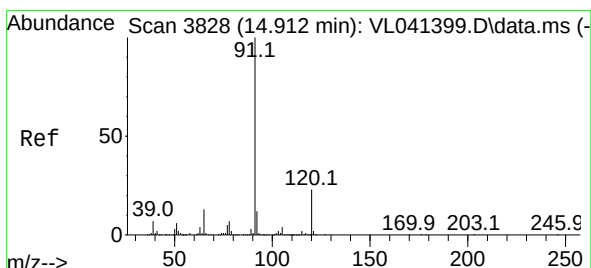
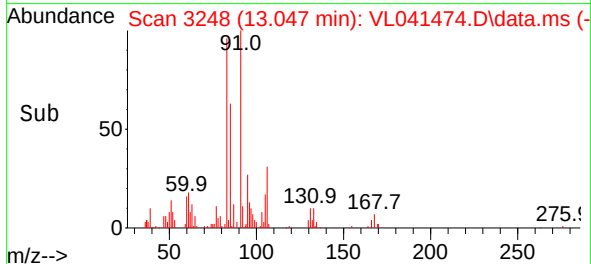
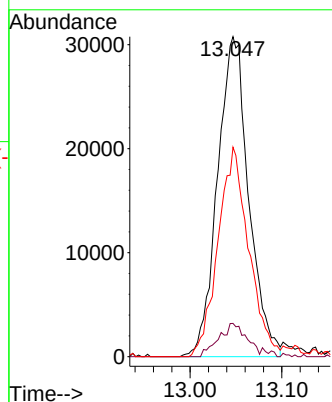
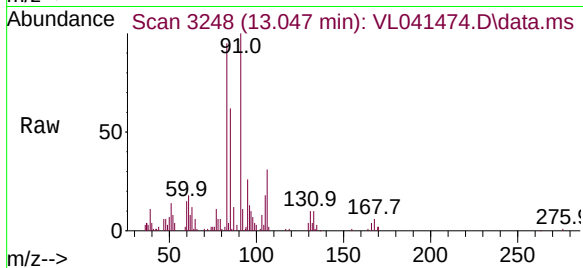




#63
1,1,2,2-Tetrachloroethane
Concen: 0.536 ppbv
RT: 13.047 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

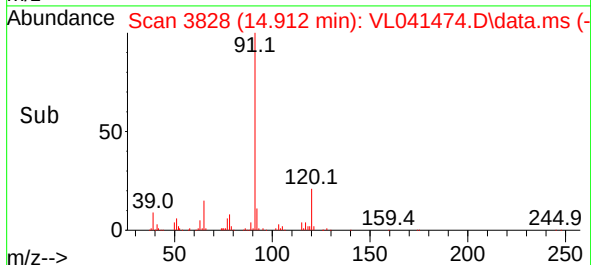
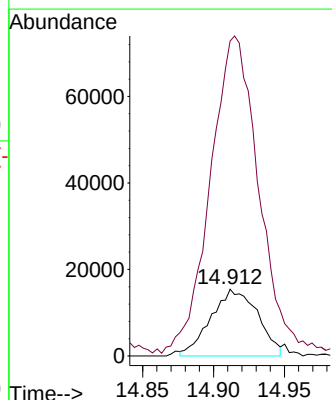
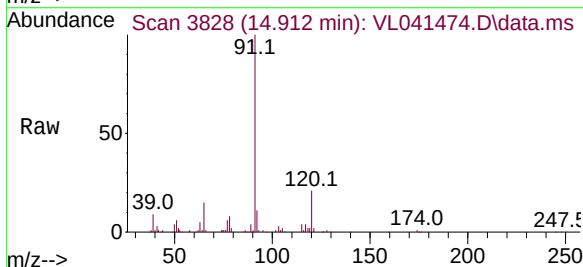
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

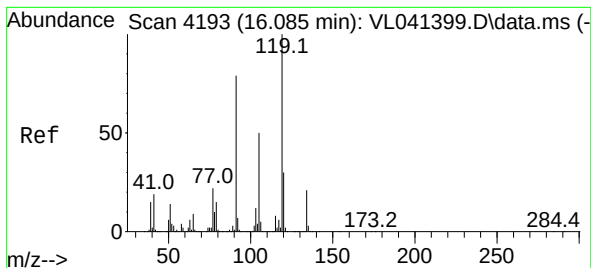
Tgt Ion: 83 Resp: 72751
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 67.4 32.6 98.0



#64
n-propylbenzene
Concen: 0.415 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. -0.000 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion:120 Resp: 35489
Ion Ratio Lower Upper
120 100
91 503.8 361.4 542.0





#65

tert-Butylbenzene

Concen: 0.299 ppbv

RT: 16.088 min Scan# 4193

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

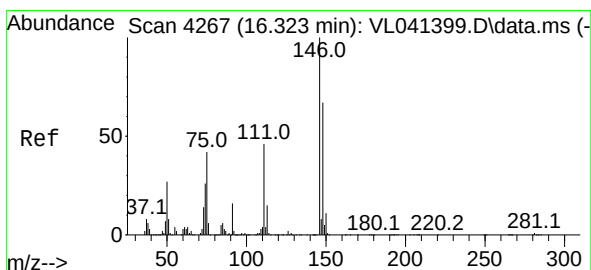
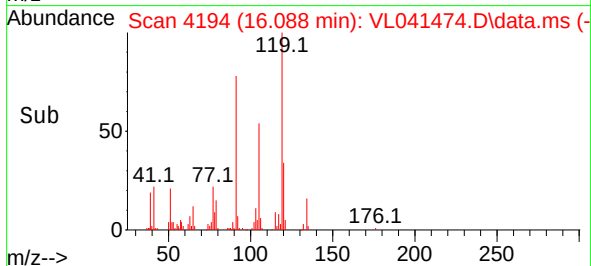
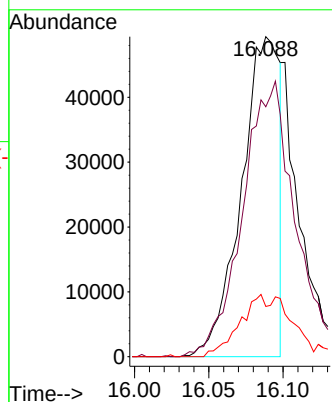
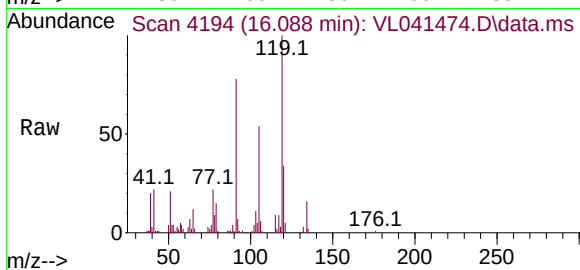
Tgt Ion:119 Resp: 88158

Ion Ratio Lower Upper

119 100

91 0.0 64.2 96.2#

134 27.3 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.120 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

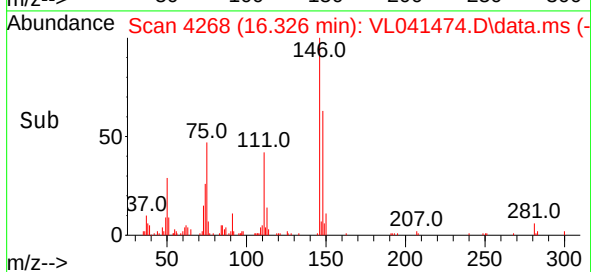
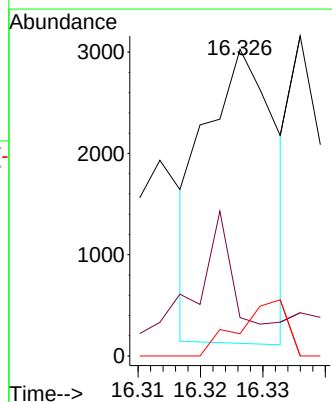
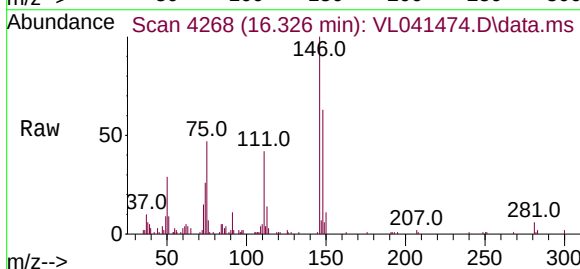
Tgt Ion: 91 Resp: 2278

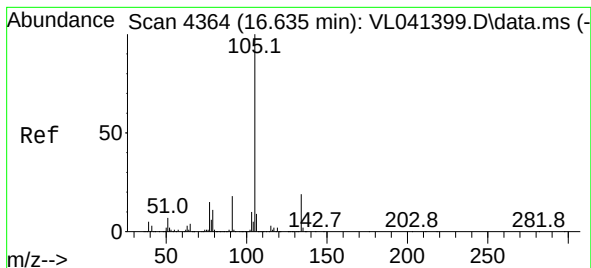
Ion Ratio Lower Upper

91 100

126 49.2 13.8 20.8#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.464 ppbv

RT: 16.638 min Scan# 4365

Delta R.T. 0.006 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

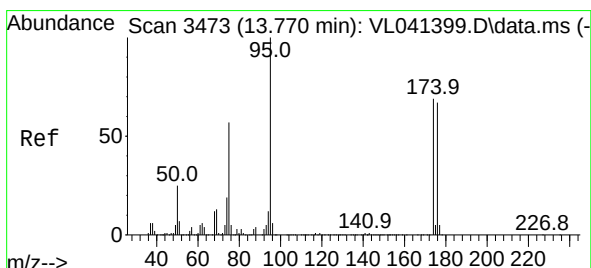
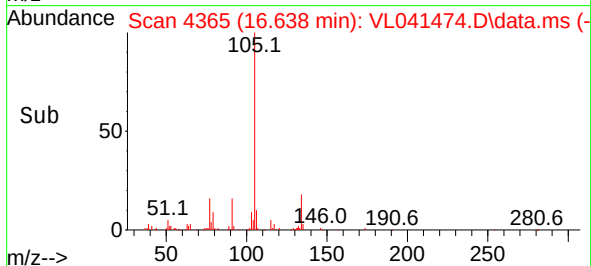
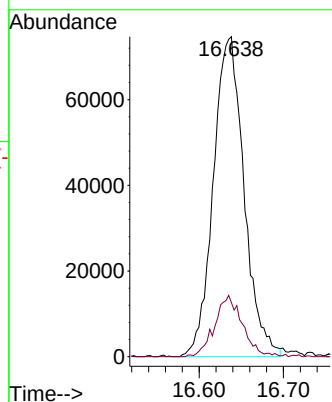
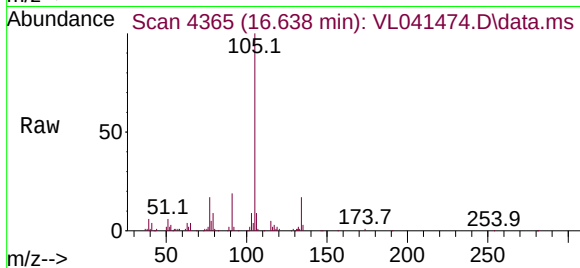
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 188956

Ion Ratio Lower Upper

105 100

134 17.4 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.321 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

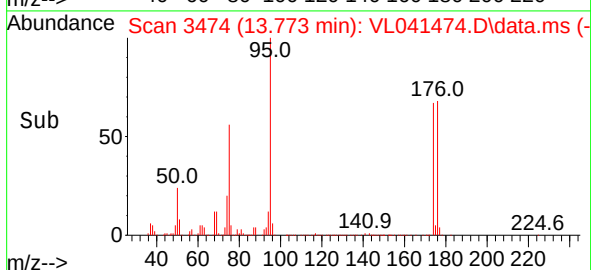
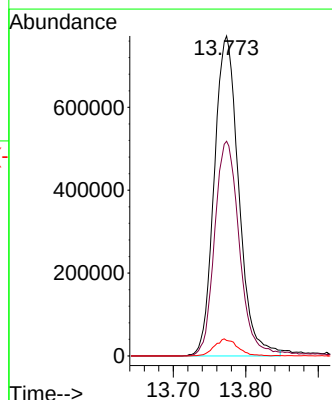
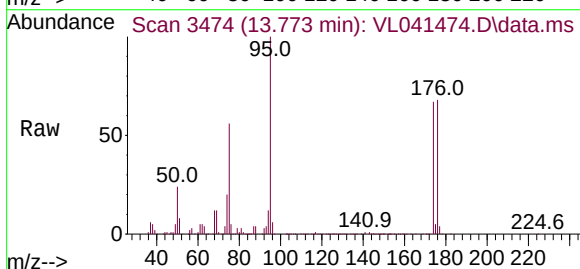
Tgt Ion: 95 Resp: 1814752

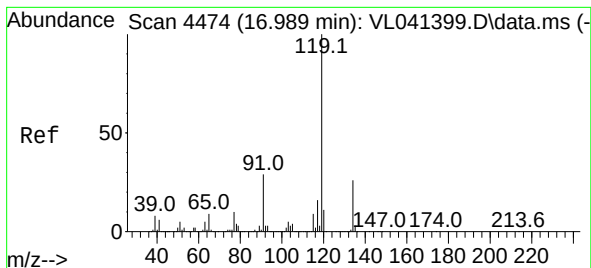
Ion Ratio Lower Upper

95 100

174 69.4 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.183 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

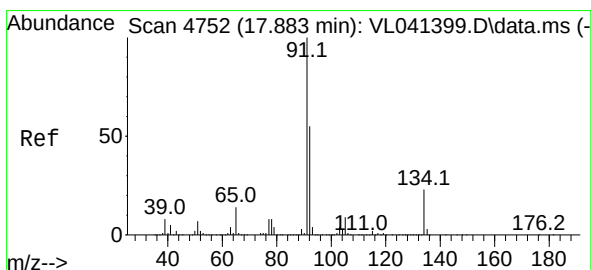
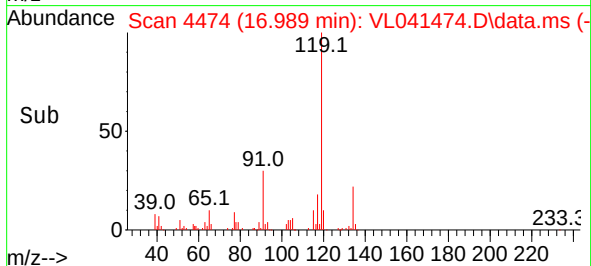
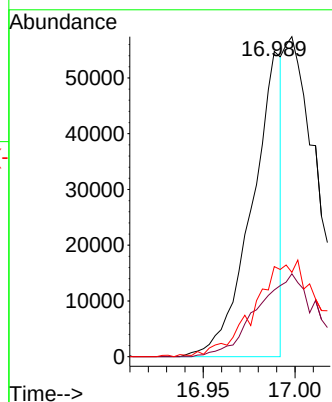
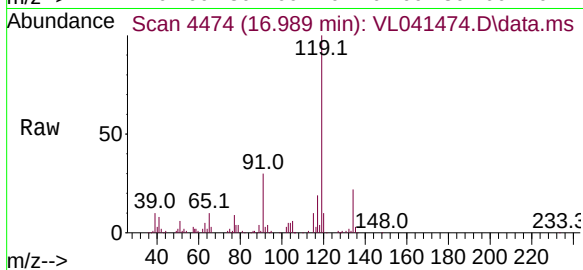
Tgt Ion:119 Resp: 61868

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 23.2 34.8#



#70

n-Butylbenzene

Concen: 0.407 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.006 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

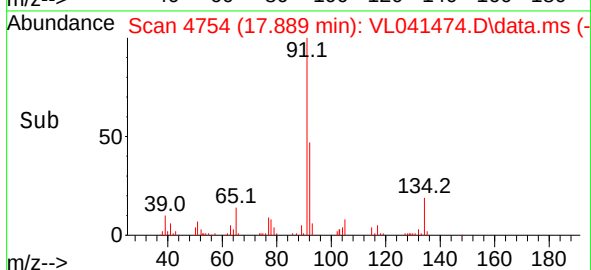
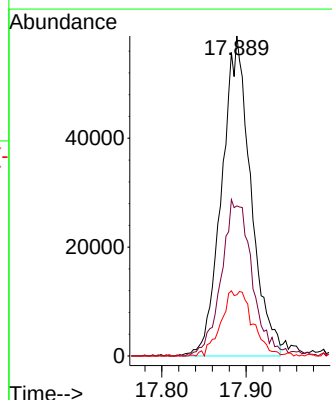
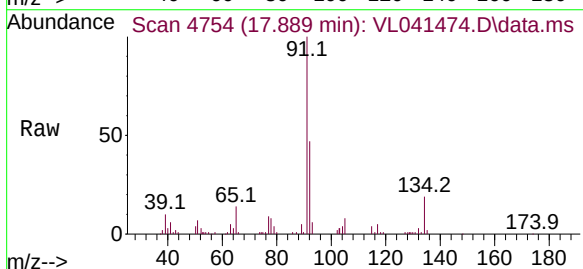
Tgt Ion: 91 Resp: 140888

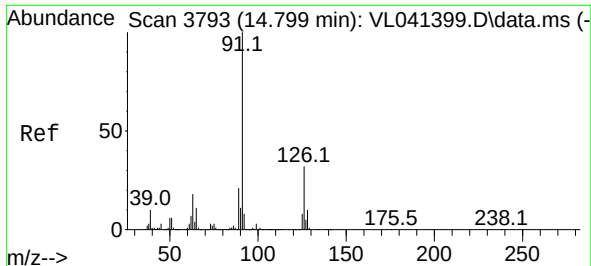
Ion Ratio Lower Upper

91 100

92 52.2 43.2 64.8

134 22.3 18.5 27.7

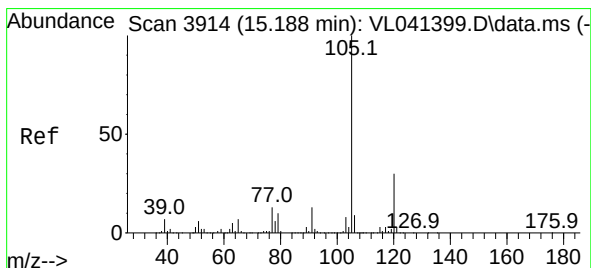
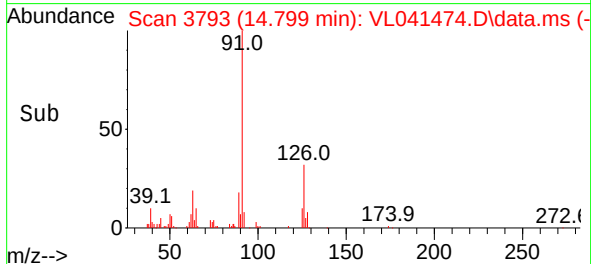
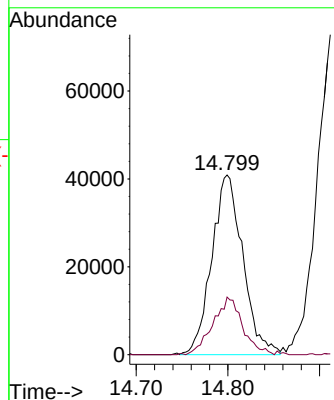
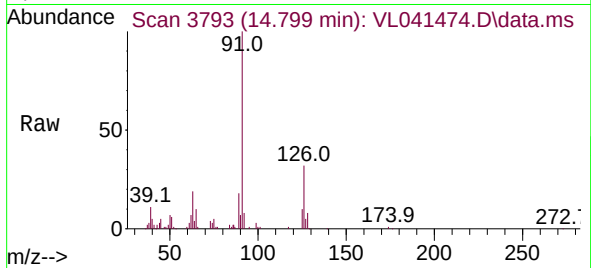




#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. -0.000 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

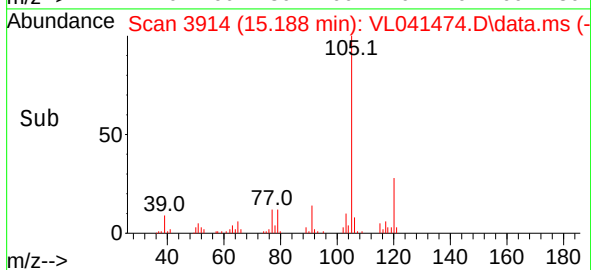
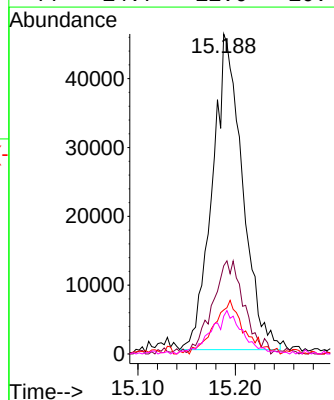
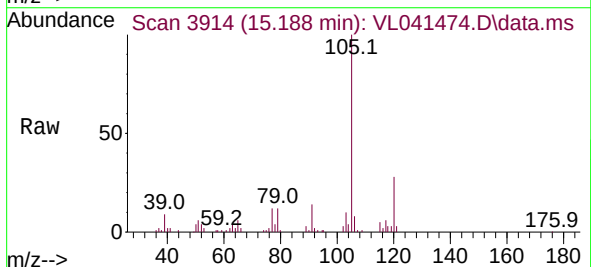
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

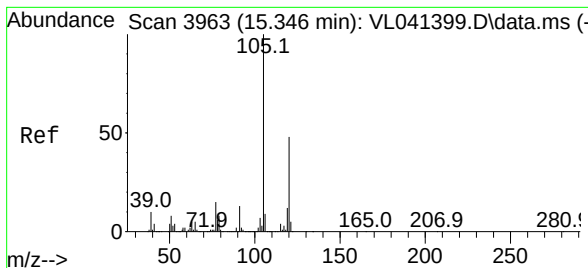
Tgt Ion: 91 Resp: 96357
Ion Ratio Lower Upper
91 100
126 30.8 12.7 50.9



#72
4-Ethyltoluene
Concen: 0.389 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion: 105 Resp: 98424
Ion Ratio Lower Upper
105 100
120 32.3 24.2 36.2
91 17.7 10.4 15.6#
77 14.7 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.369 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_1

ClientSampleId :

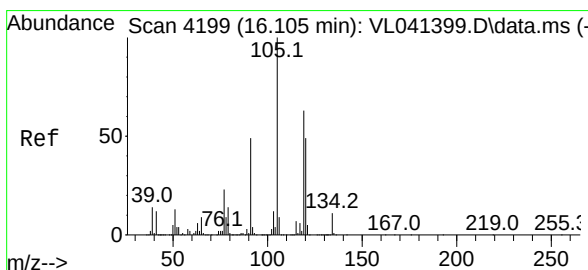
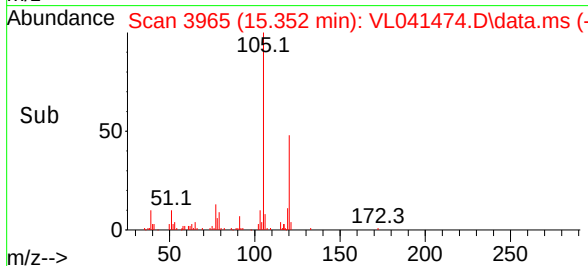
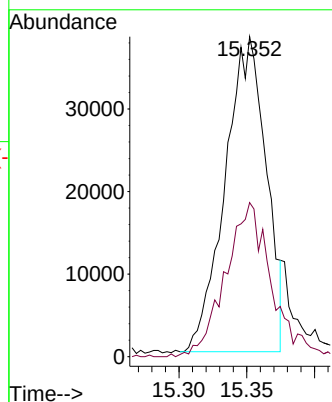
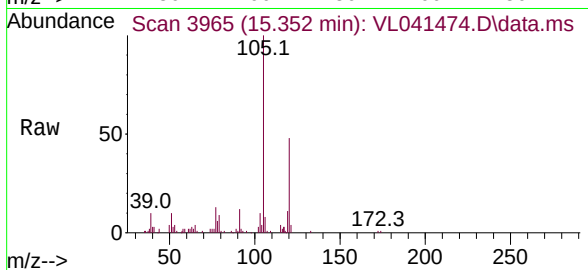
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 80459

Ion Ratio Lower Upper

105 100

120 48.2 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.455 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Tgt Ion:105 Resp: 115382

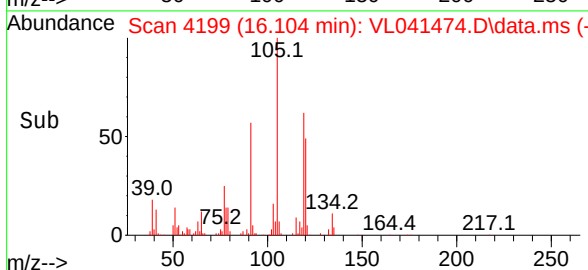
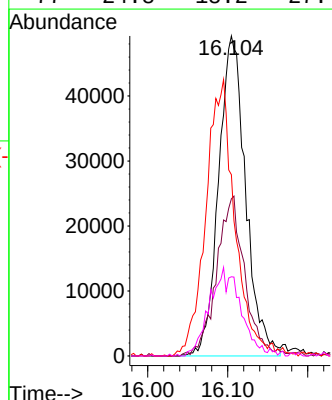
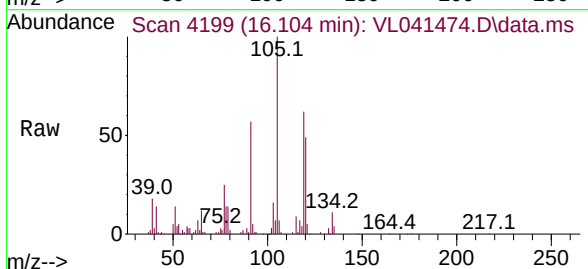
Ion Ratio Lower Upper

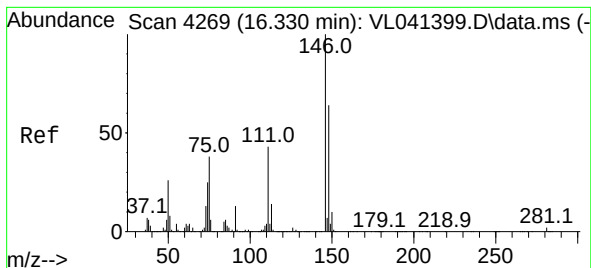
105 100

120 54.4 39.5 59.3

91 55.3 39.8 59.8

77 24.8 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.481 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_1

ClientSampleId :

MDL-AIR-03-QT3-2024

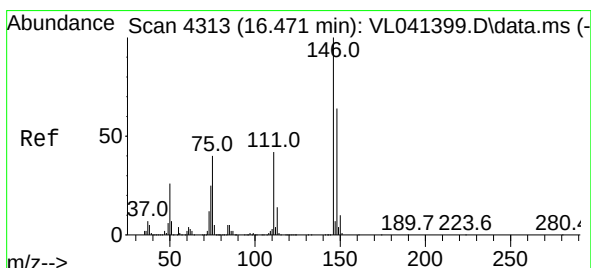
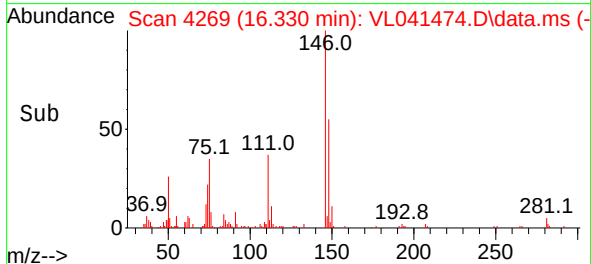
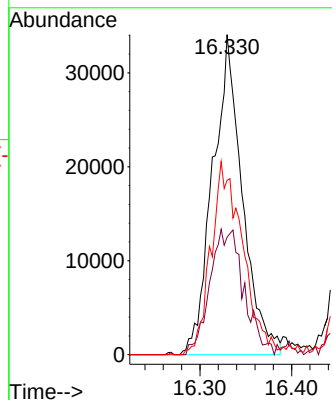
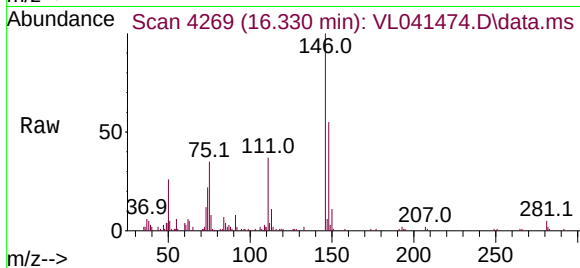
Tgt Ion:146 Resp: 76646

Ion Ratio Lower Upper

146 100

111 46.5 22.6 67.8

148 65.7 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 0.291 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. -0.000 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

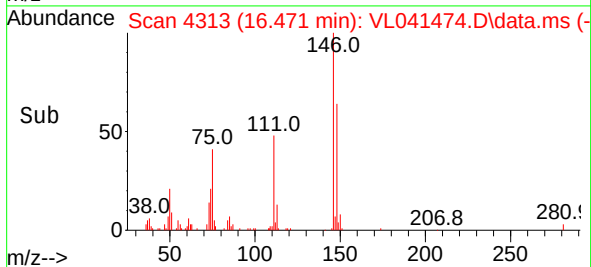
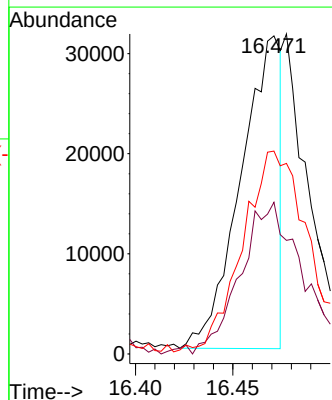
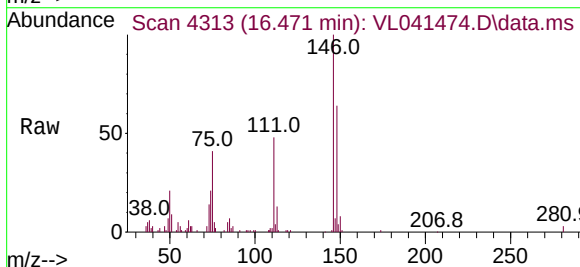
Tgt Ion:146 Resp: 44882

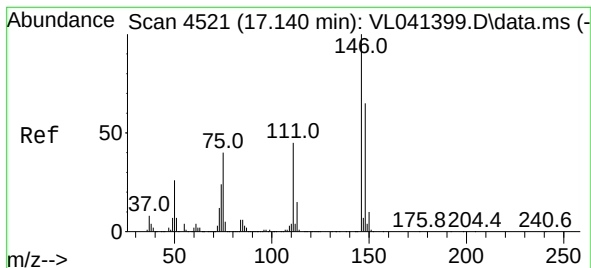
Ion Ratio Lower Upper

146 100

111 81.7 22.4 67.0#

148 114.8 33.1 99.5#





#77

1,2-Dichlorobenzene

Concen: 0.239 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

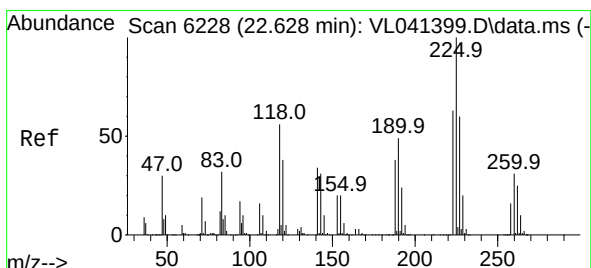
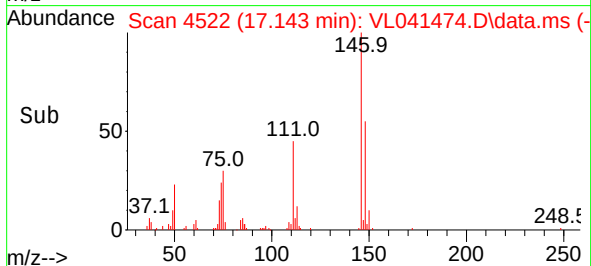
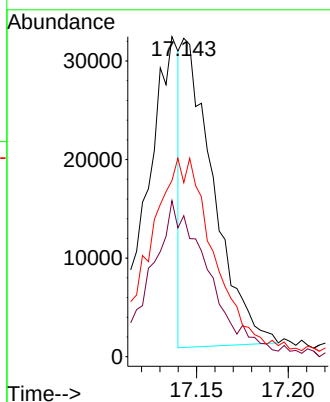
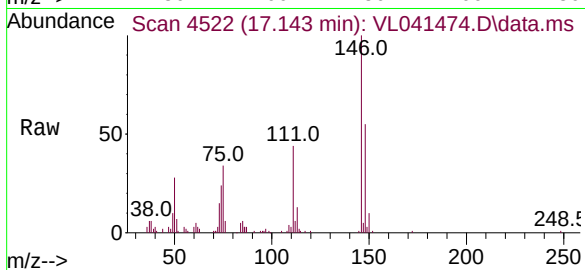
Tgt Ion:146 Resp: 37741

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.0#

148 137.3 32.2 96.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.273 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. -0.003 min

Lab File: VL041474.D

Acq: 1 Aug 2024 11:58

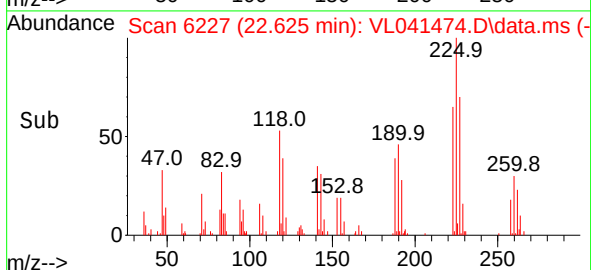
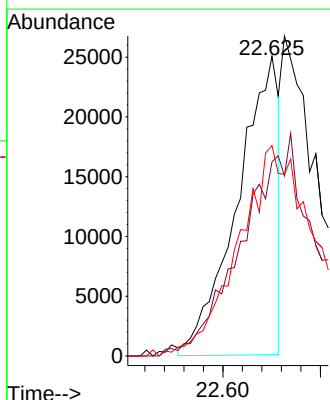
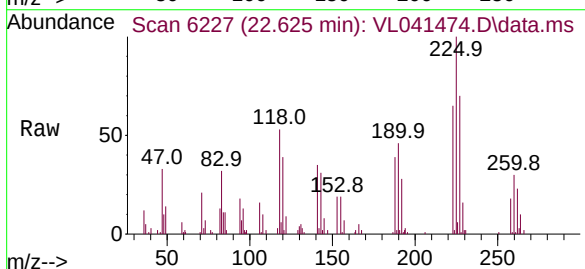
Tgt Ion:225 Resp: 36735

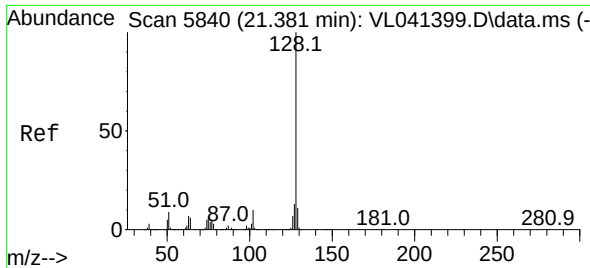
Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

227 133.7 50.8 76.2#

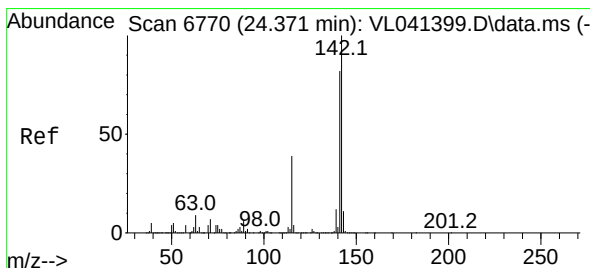
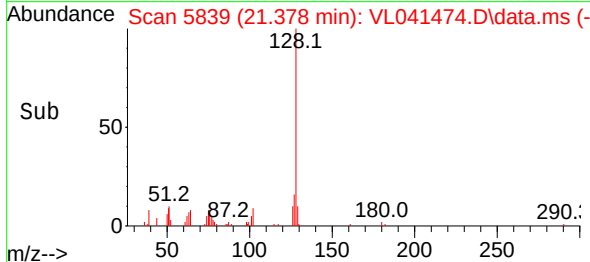
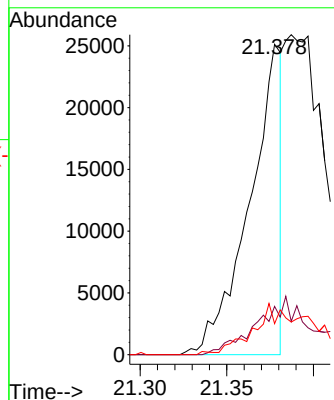
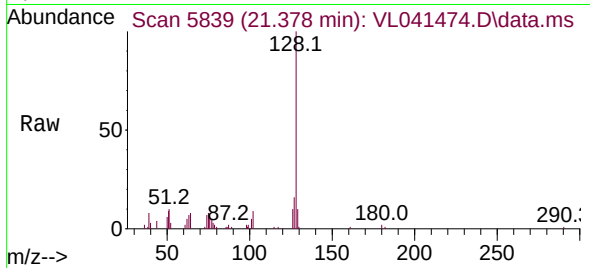




#79
Naphthalene
Concen: 0.143 ppbv
RT: 21.378 min Scan# 5839
Delta R.T. -0.003 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

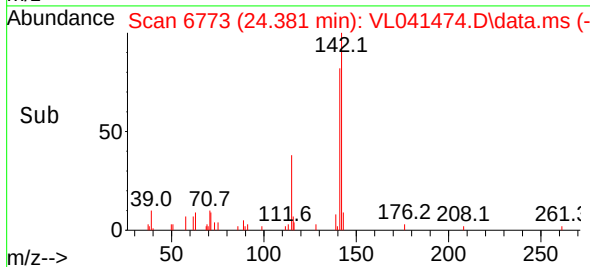
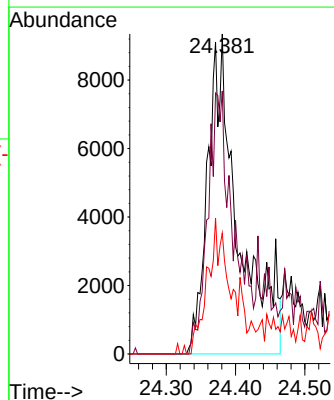
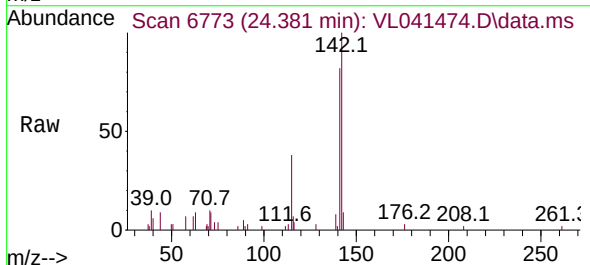
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

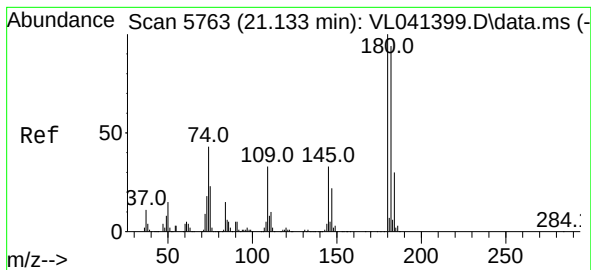
Tgt Ion:128 Resp: 32099
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 10.9 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 0.152 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.013 min
Lab File: VL041474.D
Acq: 1 Aug 2024 11:58

Tgt Ion:142 Resp: 28433
Ion Ratio Lower Upper
142 100
141 83.8 67.0 100.4
115 34.4 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 0.187 ppbv

RT: 21.133 min Scan# 5

Delta R.T. -0.003 min

Lab File: VL041474.D

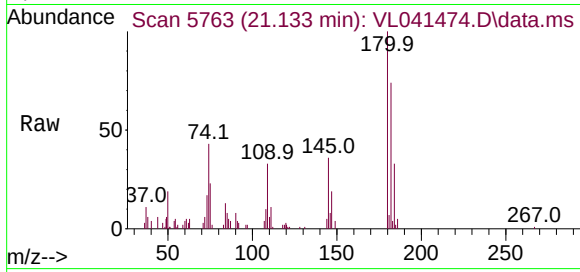
Acq: 1 Aug 2024 11:58

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024



Tgt Ion:180 Resp: 24880

Ion Ratio Lower Upper

180 100

182 0.0 76.7 115.1#

184 65.2 24.5 36.7#

