

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041475.D
 Acq On : 1 Aug 2024 12:49
 Operator : SY/MD
 Sample : P3390-15 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 02 05:21:49 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	801807	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2289276	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2087881	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1632408	10.160	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	83915	0.608	ppbv	98
3) Chlorodifluoromethane	2.681	51	52787	0.553	ppbv	99
4) Chloromethane	2.816	50	27765	0.547	ppbv	95
5) Vinyl Chloride	2.922	62	25392	0.507	ppbv	94
6) Bromomethane	3.118	94	7518	0.292	ppbv	98
7) Chloroethane	3.202	64	9014	0.522	ppbv	93
8) Dichlorotetrafluoroethane	2.861	85	66166	0.541	ppbv	95
9) Propene	2.697	41	24606	0.561	ppbv	96
10) Heptane	7.578	43	41634	0.423	ppbv	99
11) Trichlorofluoromethane	3.562	101	62020	0.506	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.067	101	47255	0.536	ppbv	97
13) Ethanol	3.256	45	1025	0.262	ppbv #	1
14) Bromoethene	3.372	108	8863	0.258	ppbv #	1
15) Acetone	3.488	43	52833	0.580	ppbv	91
16) 1,3-Butadiene	2.986	39	21438	0.440	ppbv	84
17) tert-Butyl alcohol	3.893	59	18929	0.228	ppbv #	53
18) 1,1-Dichloroethene	3.883	96	19132	0.507	ppbv	94
19) Isopropyl Alcohol	3.597	45	26084	0.490	ppbv #	82
20) Methylene Chloride	3.935	84	18404	0.542	ppbv	88
21) Allyl Chloride	3.999	41	25635	0.429	ppbv	86
22) trans-1,2-Dichloroethene	4.446	96	10081	0.267	ppbv	91
23) Vinyl Acetate	4.639	43	30503	0.438	ppbv #	91
24) 1,1-Dichloroethane	4.568	63	17667	0.216	ppbv	96
25) Ethyl Acetate	5.214	43	77322	0.427	ppbv	97
26) Hexane	5.218	57	12562	0.167	ppbv #	1
27) Carbon Disulfide	4.131	76	29714	0.338	ppbv #	80
28) Methyl tert-Butyl Ether	4.597	73	22971	0.485	ppbv	97
29) Chloroform	5.275	83	57559	0.470	ppbv	90
30) Cyclohexane	6.600	84	20436	0.334	ppbv #	83
31) cis-1,2-Dichloroethene	5.076	61	31989	0.431	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	54216	0.455	ppbv	95
34) 2-Butanone	4.800	43	47027	0.425	ppbv	100
35) Carbon Tetrachloride	6.002	117	2067	0.016	ppbv	84
36) Benzene	6.369	78	67043	0.401	ppbv	97
37) 1,2-Dichloroethane	5.803	62	43128	0.461	ppbv	97
38) Trichloroethene	7.288	130	32438	0.423	ppbv	88
39) 1,2-Dichloropropane	7.073	63	28639	0.447	ppbv #	86
40) 1,4-Dioxane	7.311	88	4278	0.166	ppbv #	1
41) Tetrahydrofuran	5.584	42	20739	0.327	ppbv #	87
42) Bromodichloromethane	7.246	83	53623	0.397	ppbv #	98
43) Methyl Methacrylate	7.478	69	12759	0.213	ppbv #	13
44) 2,2,4-Trimethylpentane	7.327	57	118265	0.423	ppbv #	91
45) t-1,3-Dichloropropene	8.237	75	225	0.004	ppbv	97

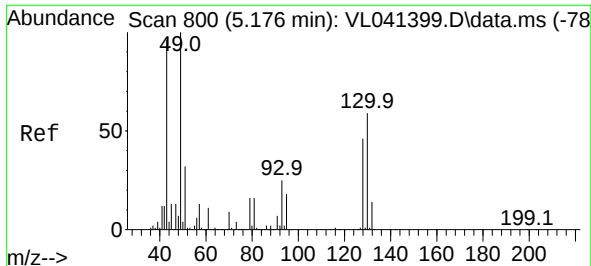
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	25273	0.317	ppbv #	94
47) 1,1,2-Trichloroethane	8.896	97	33003	0.468	ppbv	91
48) Dibromochloromethane	9.706	129	22898	0.201	ppbv #	30
49) Bromoform	12.404	173	30269	0.315	ppbv	95
50) 4-Methyl-2-Pentanone	8.160	43	678	0.004	ppbv #	40
51) 2-Hexanone	9.574	43	16072	0.122	ppbv #	30
52) Tetrachloroethene	10.616	164	15568	0.241	ppbv	86
53) Toluene	9.221	91	66443	0.357	ppbv	98
54) 1,2-Dibromoethane	10.005	107	20333	0.216	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.510	131	38661	0.477	ppbv #	1
57) Chlorobenzene	11.523	112	71864	0.483	ppbv	96
58) Ethyl Benzene	12.089	91	86265	0.358	ppbv	94
59) m/p-Xylene	12.368	91	85399	0.411	ppbv #	37
60) o-Xylene	13.060	91	77407	0.394	ppbv	96
61) Styrene	12.896	104	14690	0.166	ppbv #	36
62) Isopropylbenzene	14.031	105	126602	0.424	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	55938	0.451	ppbv	90
64) n-propylbenzene	14.912	120	13989	0.179	ppbv #	1
65) tert-Butylbenzene	16.085	119	102564	0.380	ppbv	92
66) Benzyl Chloride	16.320	91	1899	0.110	ppbv #	69
67) sec-Butylbenzene	16.638	105	150159	0.404	ppbv	98
69) p-Isopropyltoluene	16.998	119	102990	0.334	ppbv	93
70) n-Butylbenzene	17.896	91	112104	0.354	ppbv	99
71) 2-Chlorotoluene	14.799	91	53826	0.244	ppbv #	43
72) 4-Ethyltoluene	15.198	105	79296	0.343	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.346	105	31005	0.156	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.108	105	92215	0.398	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	26756	0.184	ppbv #	4
76) 1,4-Dichlorobenzene	16.471	146	33529	0.238	ppbv #	29
77) 1,2-Dichlorobenzene	17.137	146	18393	0.127	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.628	225	34765	0.282	ppbv #	30
79) Naphthalene	21.378	128	14845	0.073	ppbv	100
80) Naphthalene,2-methyl-	24.378	142	19628	0.114	ppbv #	63
81) 1,2,4-Trichlorobenzene	21.140	180	17568	0.144	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

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MDL-AIR-03-QT3-2024

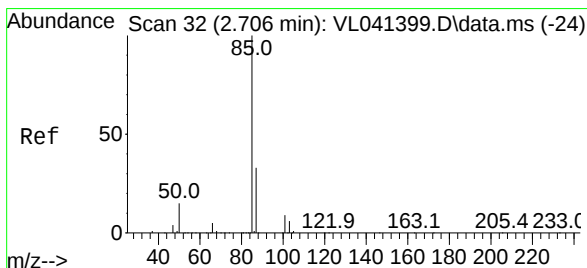
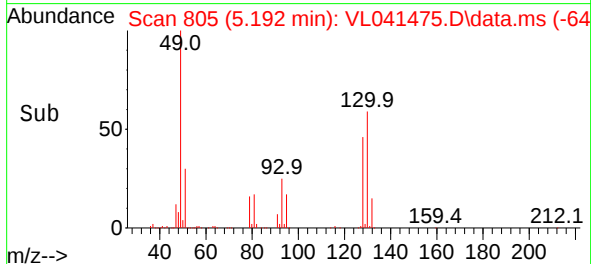
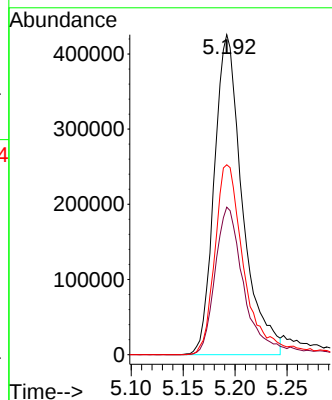
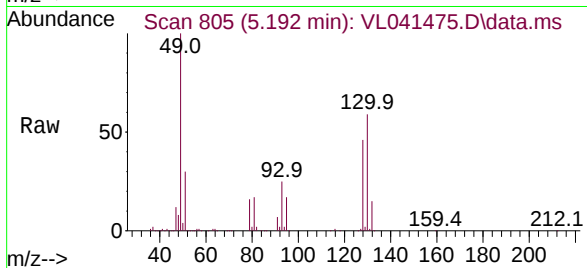
Tgt Ion: 49 Resp: 801807

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

130 64.1 30.8 92.4



#2

Dichlorodifluoromethane

Concen: 0.608 ppbv

RT: 2.732 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL041475.D

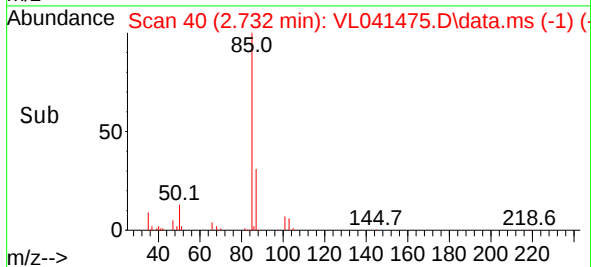
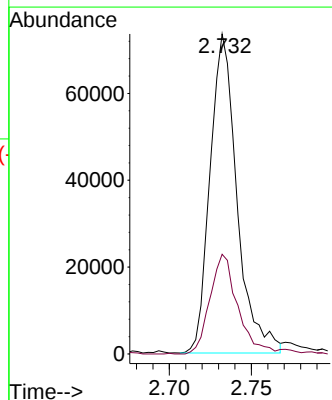
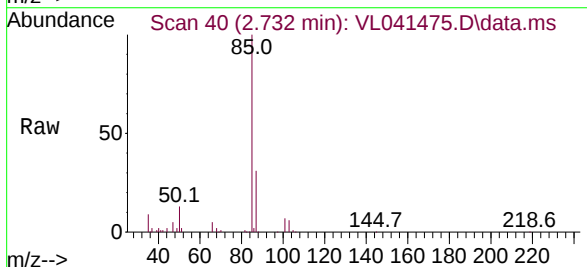
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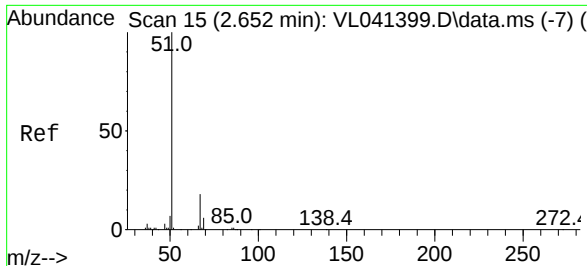
Tgt Ion: 85 Resp: 83915

Ion Ratio Lower Upper

85 100

87 31.3 26.0 39.0

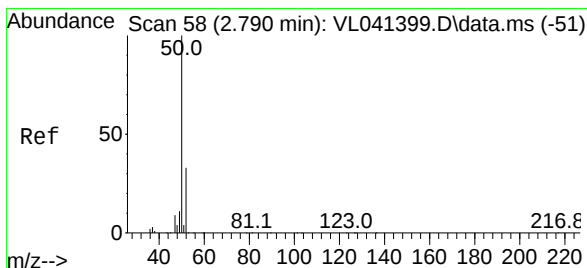
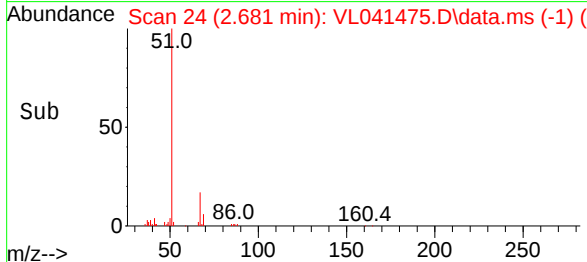
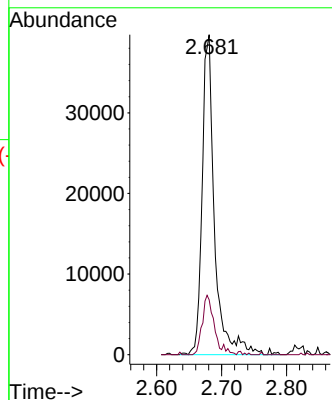
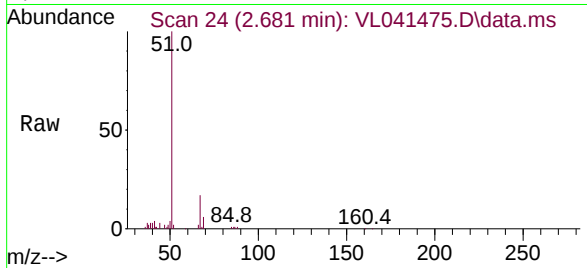




#3
Chlorodifluoromethane
Concen: 0.553 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

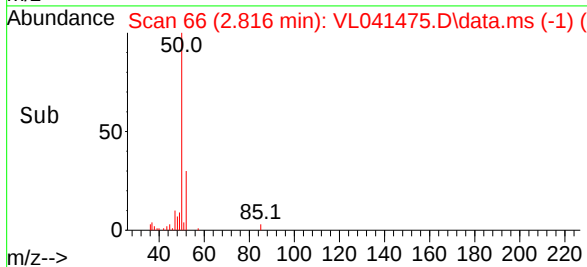
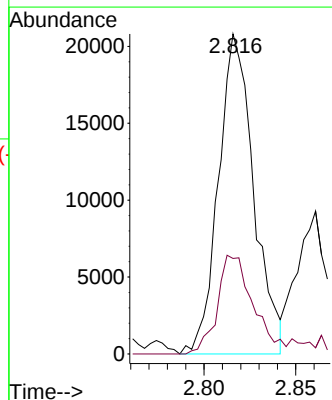
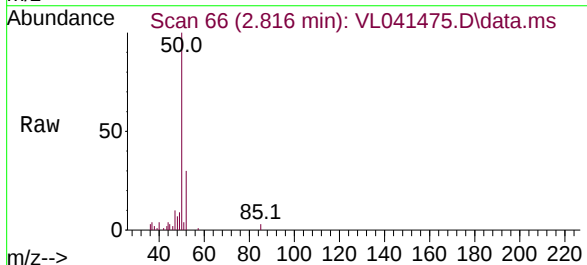
Instrument :
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MDL-AIR-03-QT3-2024

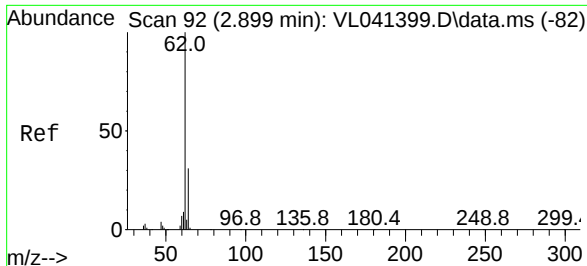
Tgt Ion: 51 Resp: 52787
Ion Ratio Lower Upper
51 100
67 18.5 14.5 21.7



#4
Chloromethane
Concen: 0.547 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

Tgt Ion: 50 Resp: 27765
Ion Ratio Lower Upper
50 100
52 29.8 26.1 39.1

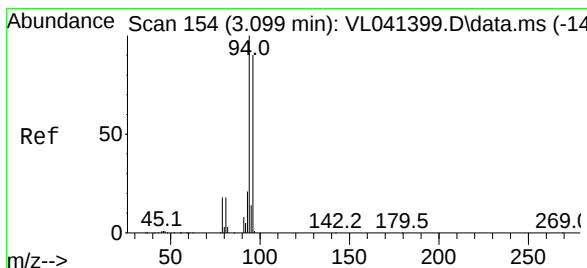
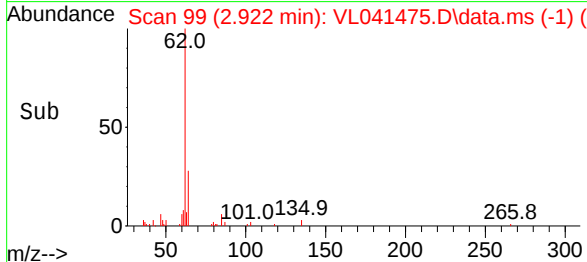
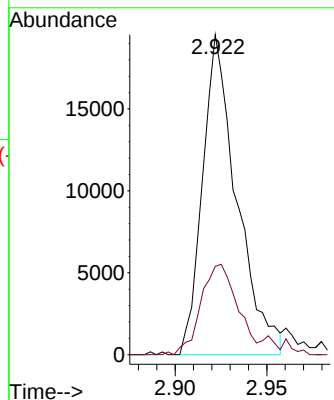
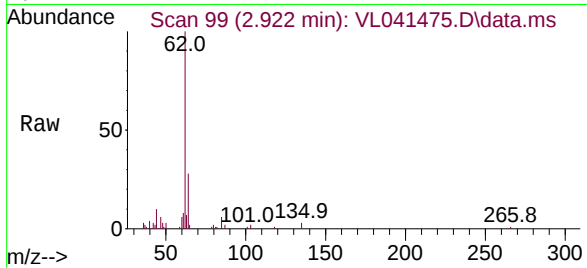




#5
 Vinyl Chloride
 Concen: 0.507 ppbv
 RT: 2.922 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

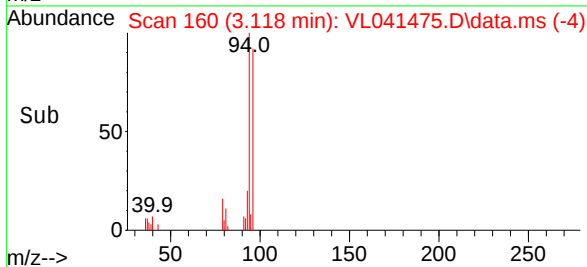
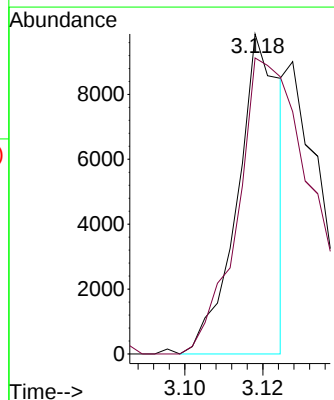
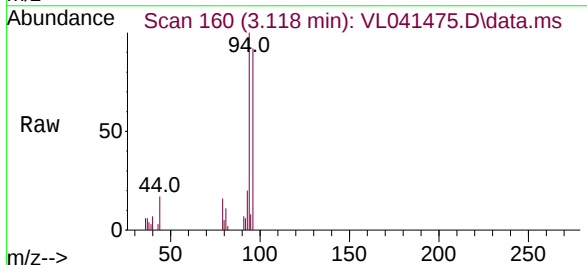
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT3-2024

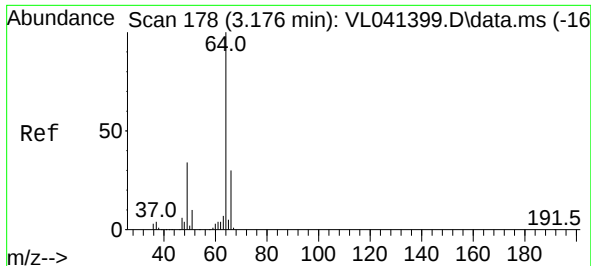
Tgt Ion: 62 Resp: 25392
 Ion Ratio Lower Upper
 62 100
 64 27.7 25.0 37.4



#6
 Bromomethane
 Concen: 0.292 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

Tgt Ion: 94 Resp: 7518
 Ion Ratio Lower Upper
 94 100
 96 92.5 72.3 108.5

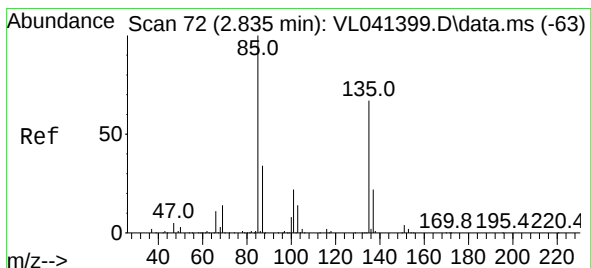
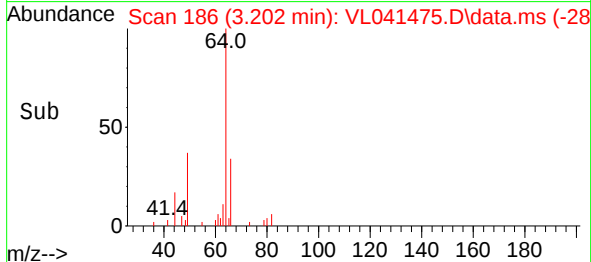
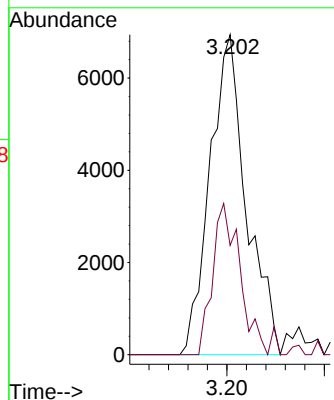
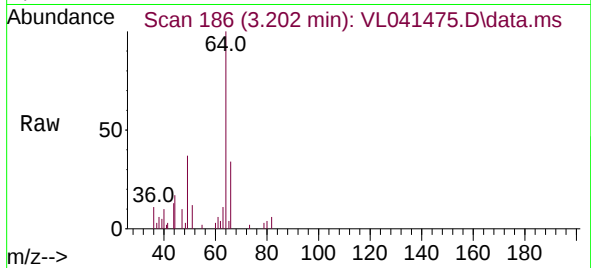




#7
Chloroethane
Concen: 0.522 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

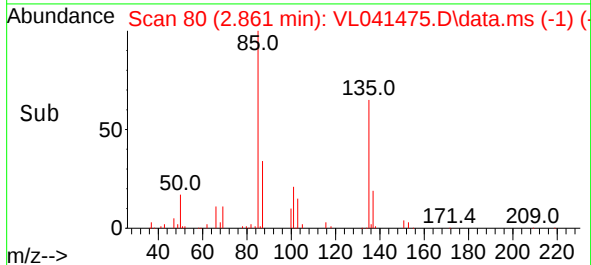
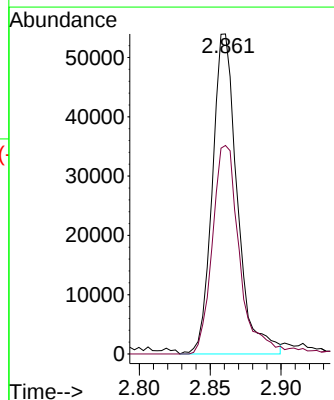
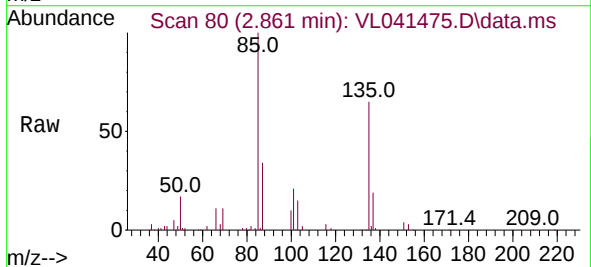
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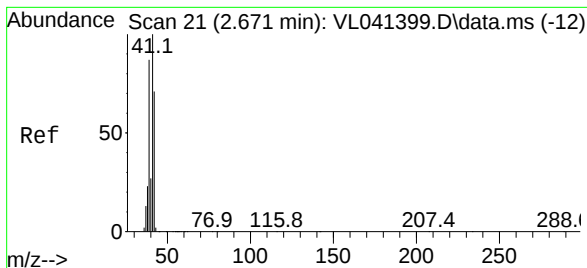
Tgt Ion: 64 Resp: 9014
Ion Ratio Lower Upper
64 100
66 34.2 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 0.541 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

Tgt Ion: 85 Resp: 66166
Ion Ratio Lower Upper
85 100
135 73.0 55.4 83.0





#9

Propene

Concen: 0.561 ppbv

RT: 2.697 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

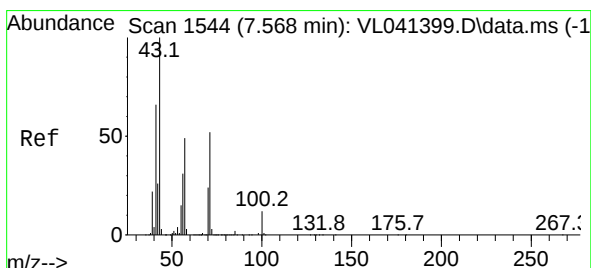
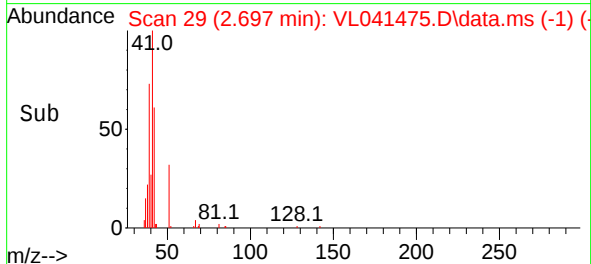
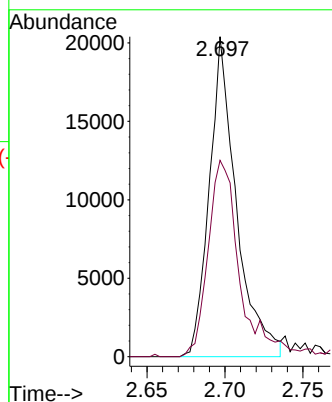
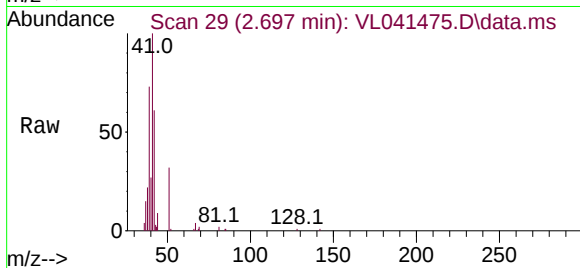
MDL-AIR-03-QT3-2024

Tgt Ion: 41 Resp: 24606

Ion Ratio Lower Upper

41 100

42 73.3 55.9 83.9



#10

Heptane

Concen: 0.423 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041475.D

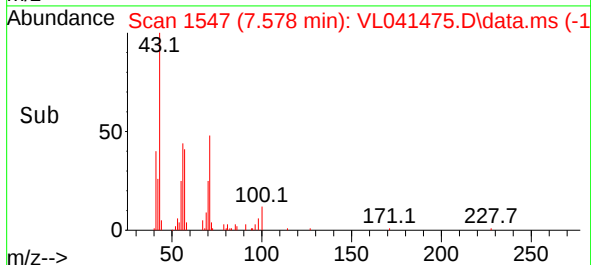
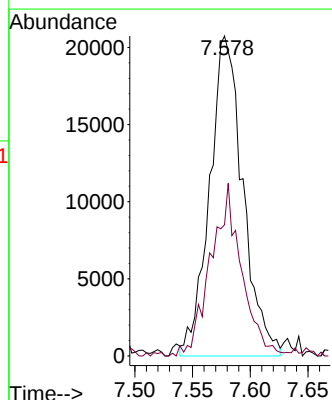
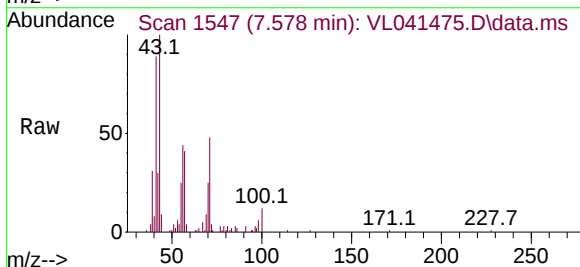
Acq: 1 Aug 2024 12:49

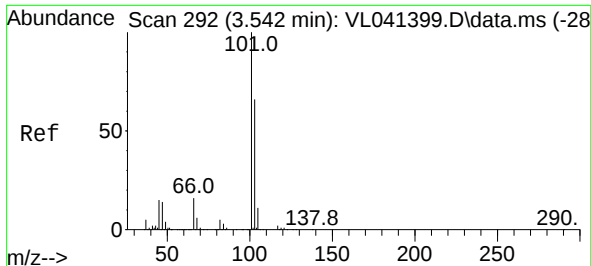
Tgt Ion: 43 Resp: 41634

Ion Ratio Lower Upper

43 100

57 50.1 40.5 60.7

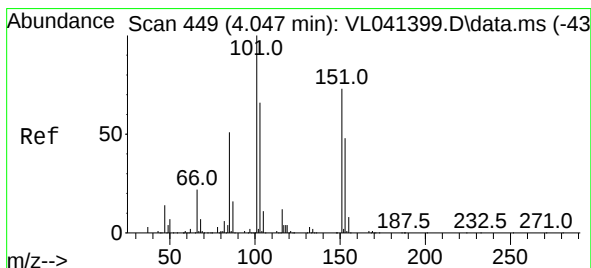
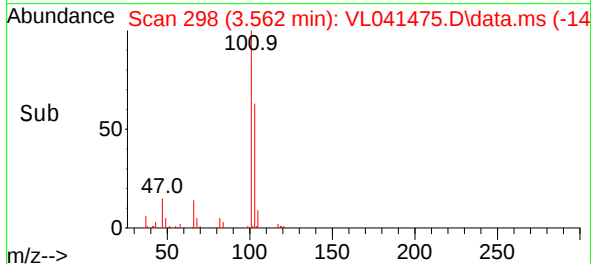
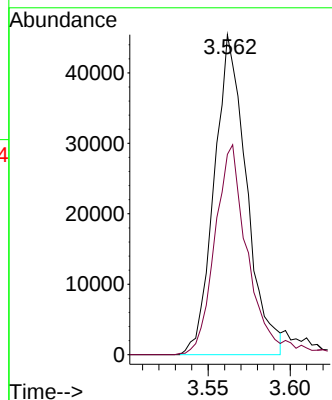
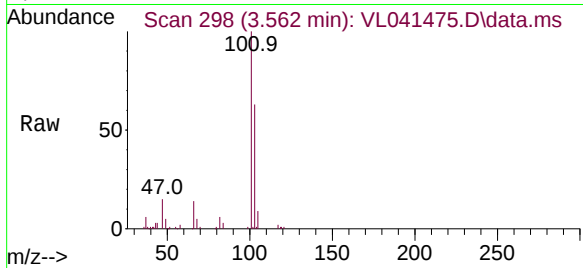




#11
 Trichlorofluoromethane
 Concen: 0.506 ppbv
 RT: 3.562 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

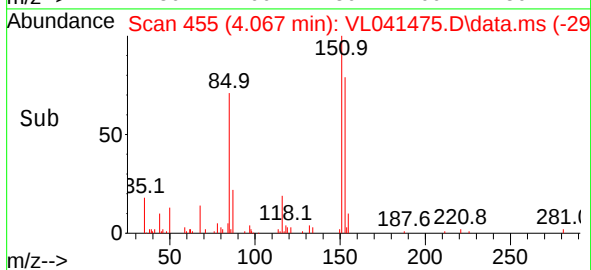
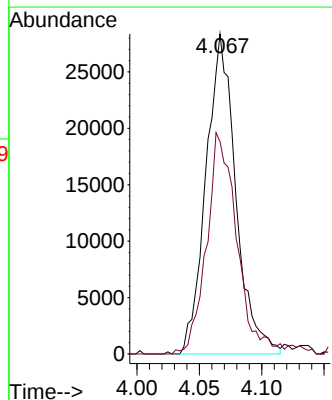
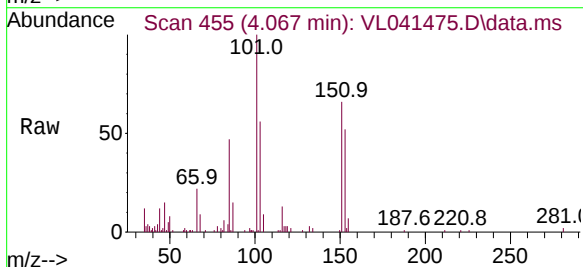
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

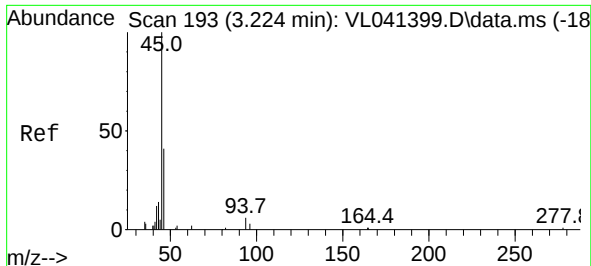
Tgt Ion:101 Resp: 62020
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.536 ppbv
 RT: 4.067 min Scan# 455
 Delta R.T. 0.003 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

Tgt Ion:101 Resp: 47255
 Ion Ratio Lower Upper
 101 100
 151 71.6 59.4 89.2





#13

Ethanol

Concen: 0.262 ppbv

RT: 3.256 min Scan# 203

Delta R.T. 0.010 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

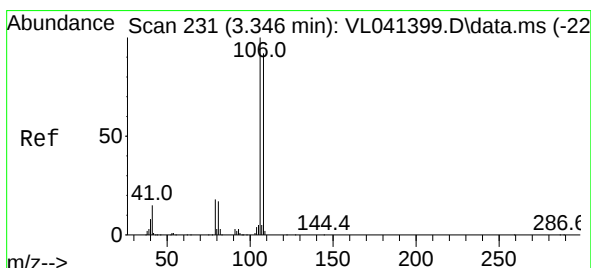
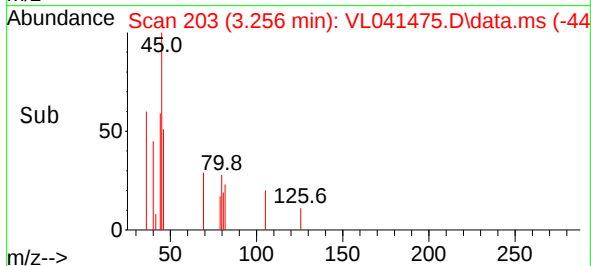
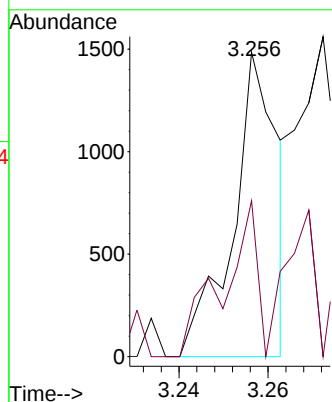
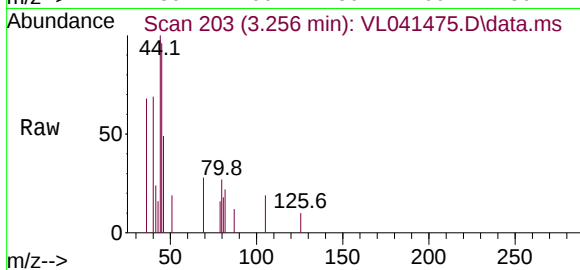
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 1025

Ion Ratio Lower Upper

45 100

46 136.1 13.4 53.4#



#14

Bromoethene

Concen: 0.258 ppbv

RT: 3.372 min Scan# 239

Delta R.T. 0.010 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

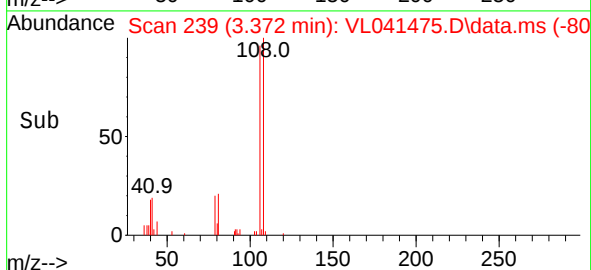
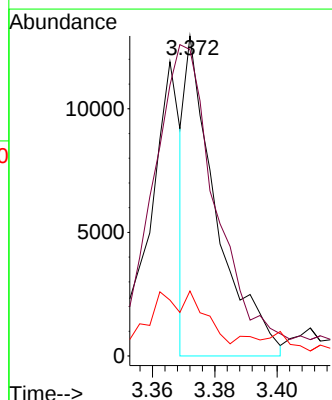
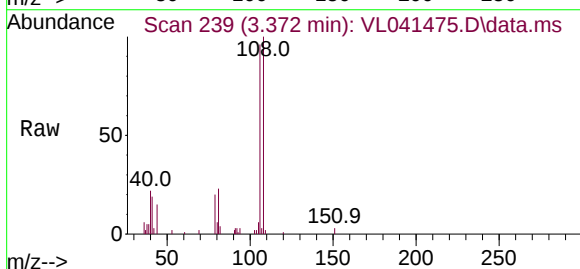
Tgt Ion:108 Resp: 8863

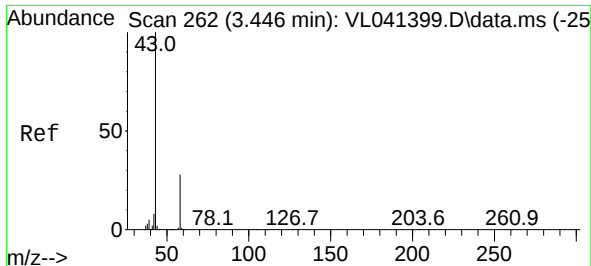
Ion Ratio Lower Upper

108 100

106 216.5 86.9 130.3#

79 60.9 16.2 24.4#





#15

Acetone

Concen: 0.580 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

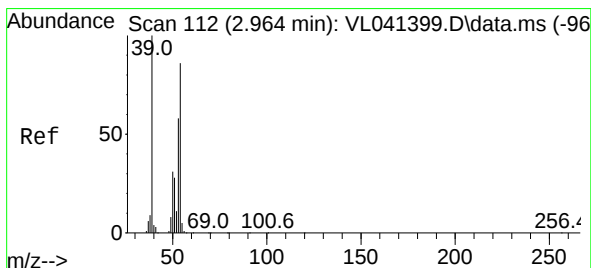
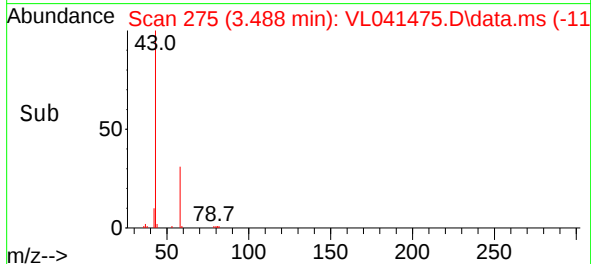
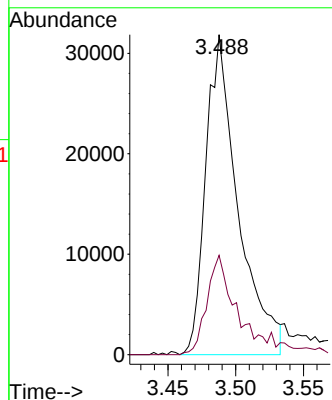
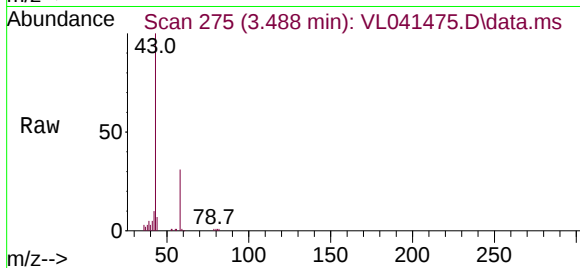
MDL-AIR-03-QT3-2024

Tgt Ion: 43 Resp: 52833

Ion Ratio Lower Upper

43 100

58 31.7 21.4 32.2



#16

1,3-Butadiene

Concen: 0.440 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.000 min

Lab File: VL041475.D

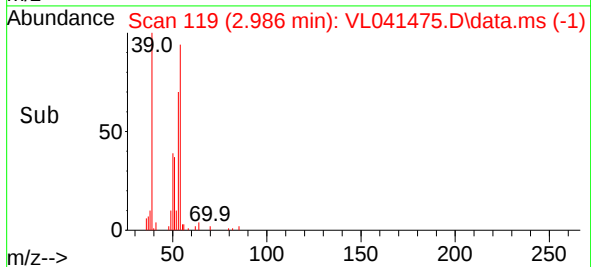
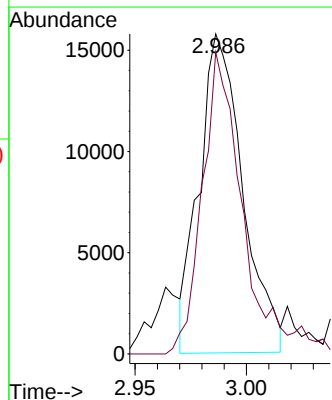
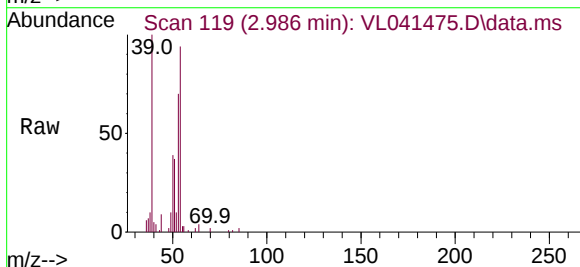
Acq: 1 Aug 2024 12:49

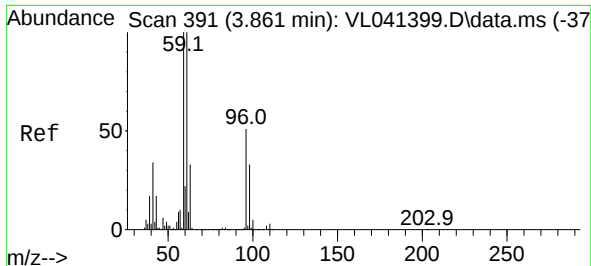
Tgt Ion: 39 Resp: 21438

Ion Ratio Lower Upper

39 100

54 91.7 62.5 93.7





#17

tert-Butyl alcohol

Concen: 0.228 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.019 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

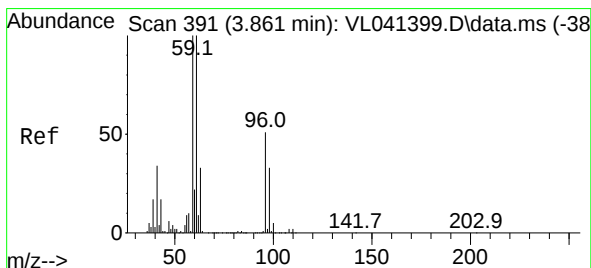
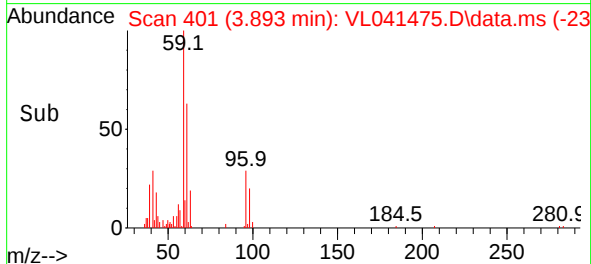
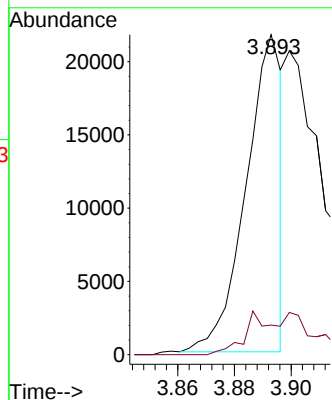
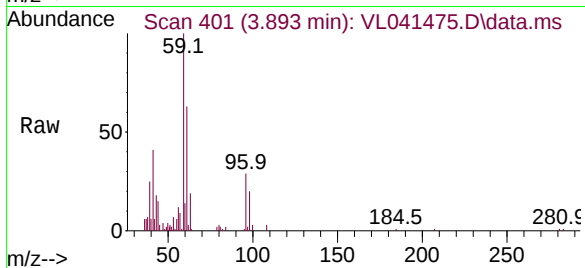
MDL-AIR-03-QT3-2024

Tgt Ion: 59 Resp: 18929

Ion Ratio Lower Upper

59 100

57 28.5 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.507 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

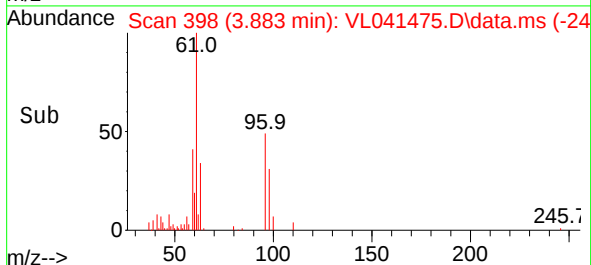
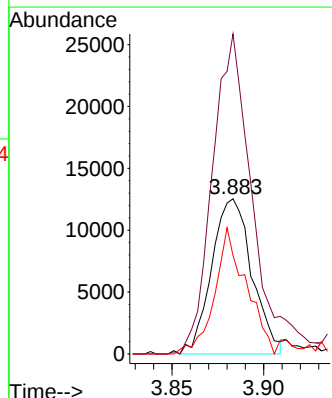
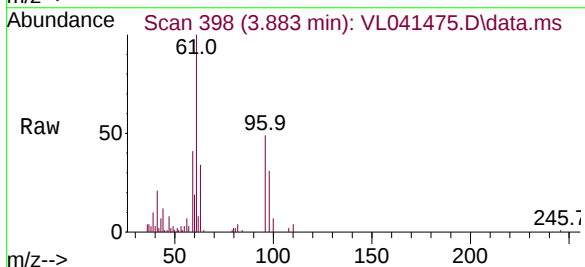
Tgt Ion: 96 Resp: 19132

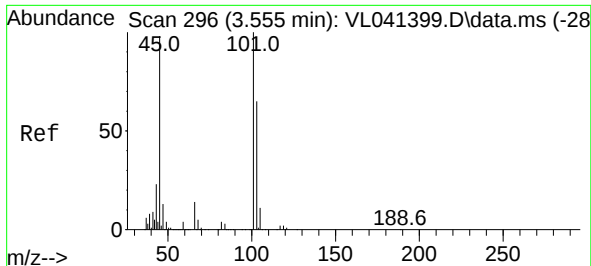
Ion Ratio Lower Upper

96 100

61 206.1 157.5 236.3

98 60.6 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.490 ppbv

RT: 3.597 min Scan# 309

Delta R.T. 0.023 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

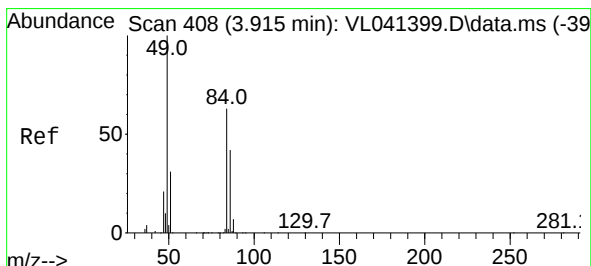
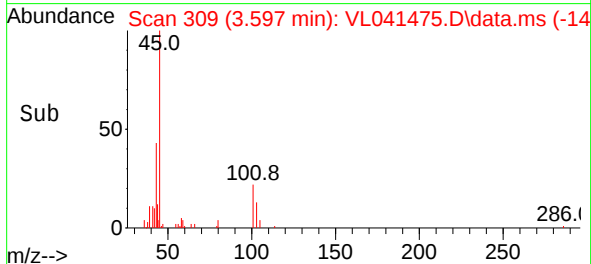
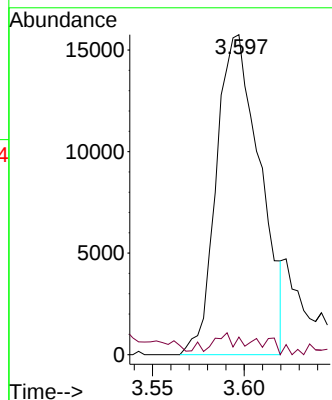
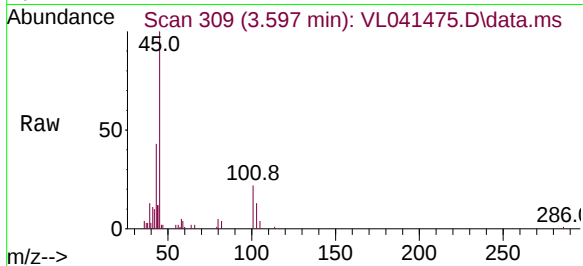
MDL-AIR-03-QT3-2024

Tgt Ion: 45 Resp: 26084

Ion Ratio Lower Upper

45 100

58 8.5 1.9 2.9#



#20

Methylene Chloride

Concen: 0.542 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Tgt Ion: 84 Resp: 18404

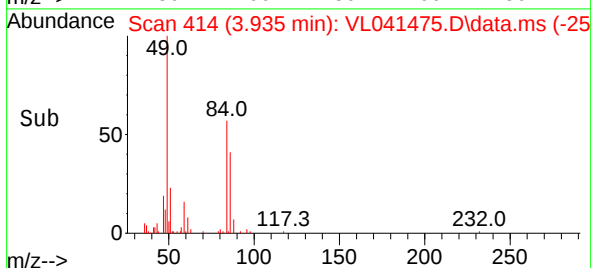
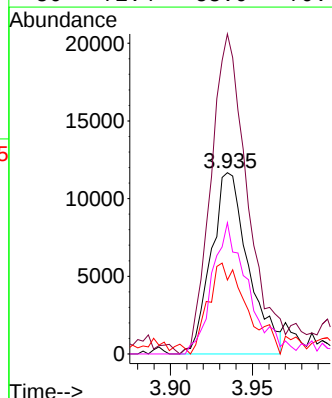
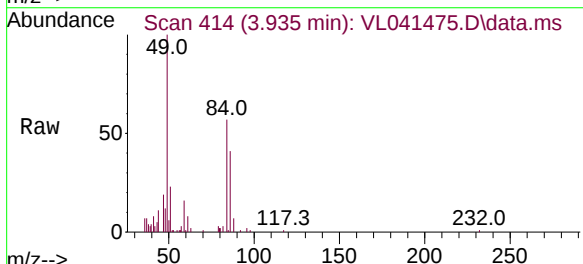
Ion Ratio Lower Upper

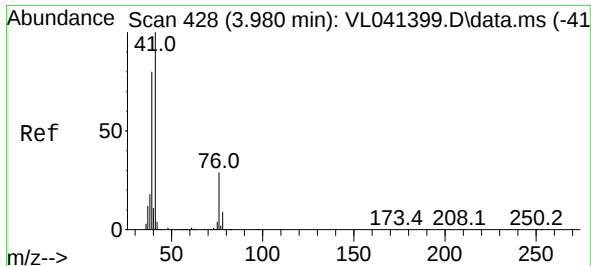
84 100

49 176.6 126.6 190.0

51 40.8 38.6 58.0

86 72.4 53.0 79.4





#21

Allyl Chloride

Concen: 0.429 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

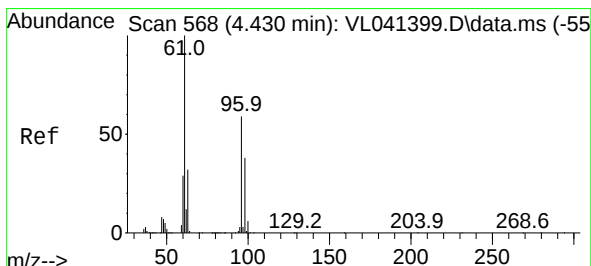
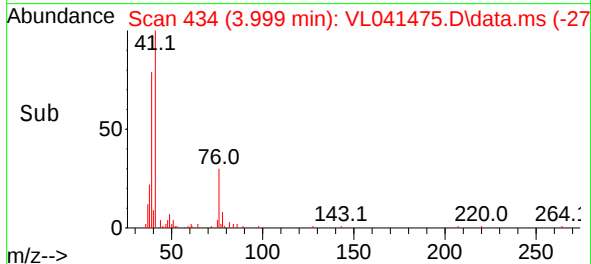
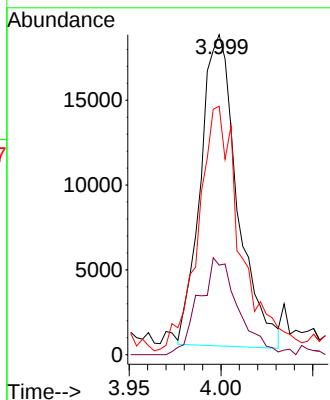
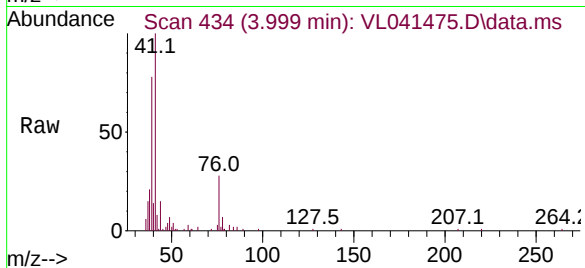
Tgt Ion: 41 Resp: 25635

Ion Ratio Lower Upper

41 100

76 34.8 23.7 35.5

39 93.9 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 0.267 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

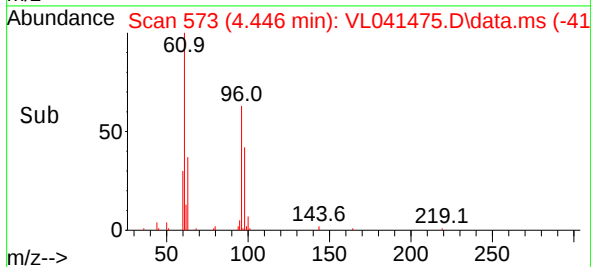
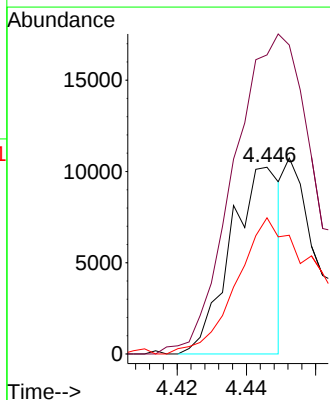
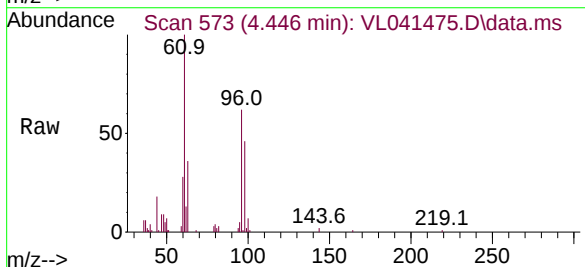
Tgt Ion: 96 Resp: 10081

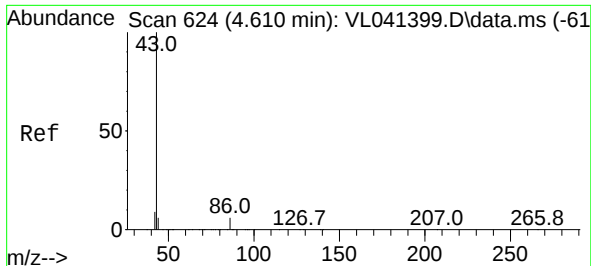
Ion Ratio Lower Upper

96 100

61 155.7 135.4 203.2

98 70.0 51.0 76.4

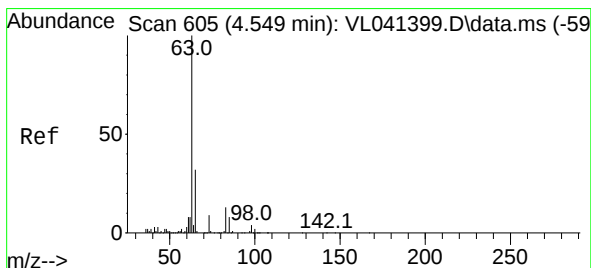
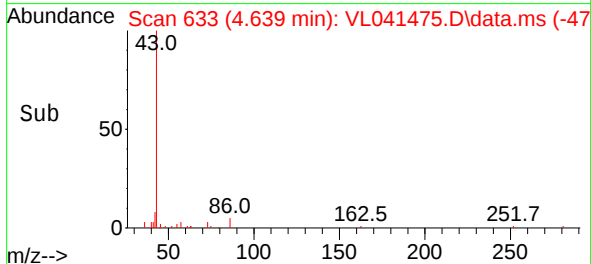
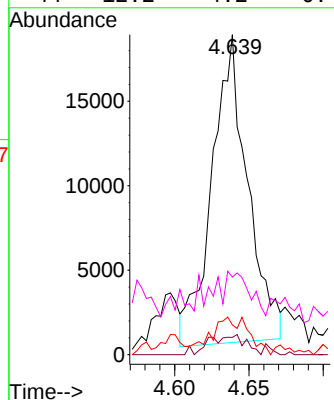
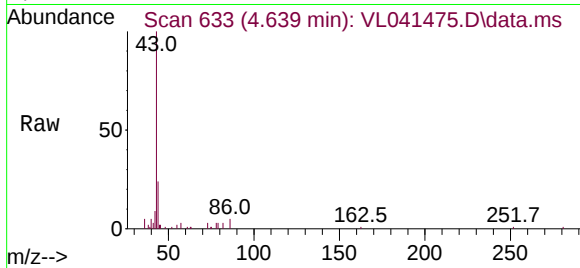




#23
 Vinyl Acetate
 Concen: 0.438 ppbv
 RT: 4.639 min Scan# 611
 Delta R.T. 0.013 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

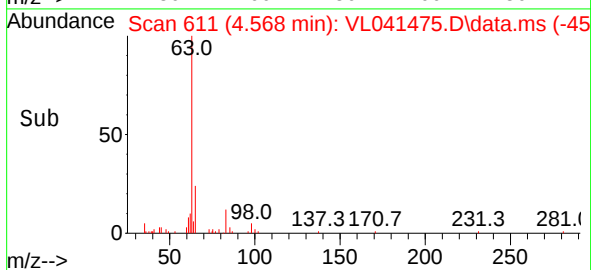
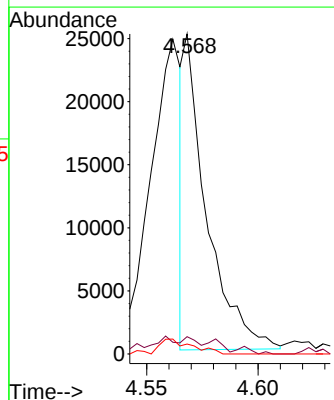
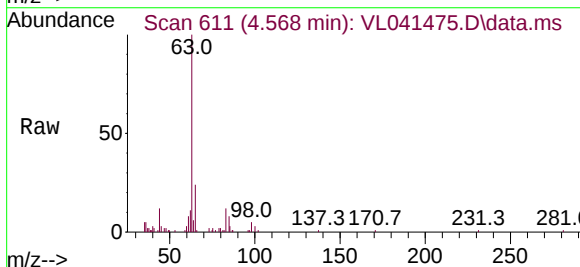
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

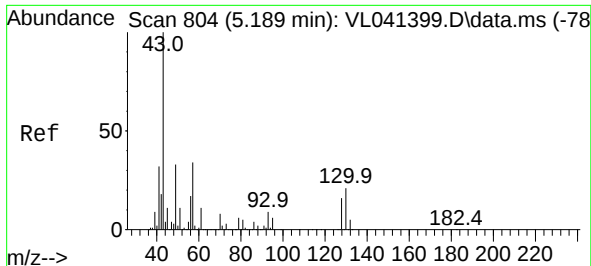
Tgt Ion:	43	Resp:	30503
Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.6	6.8
42	7.1	7.9	11.9#
44	12.2	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.216 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.006 min
 Lab File: VL041475.D
 Acq: 1 Aug 2024 12:49

Tgt Ion:	63	Resp:	17667
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.0	6.0
100	3.2	1.2	3.6





#25

Ethyl Acetate

Concen: 0.427 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.013 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

Tgt Ion: 43 Resp: 77322

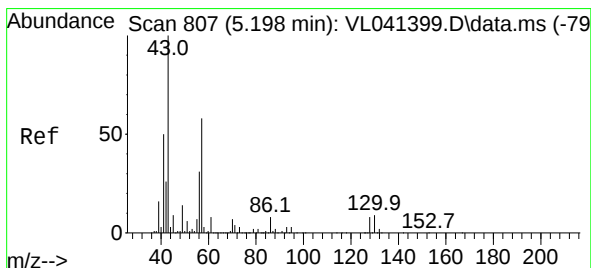
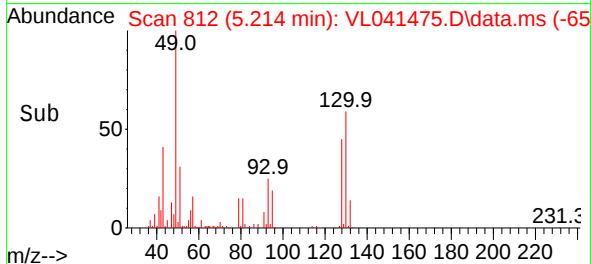
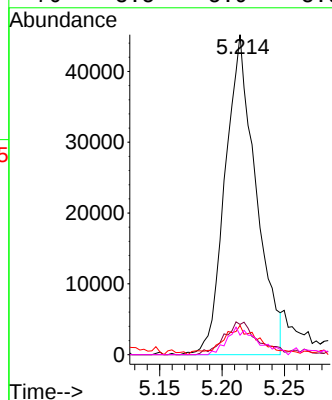
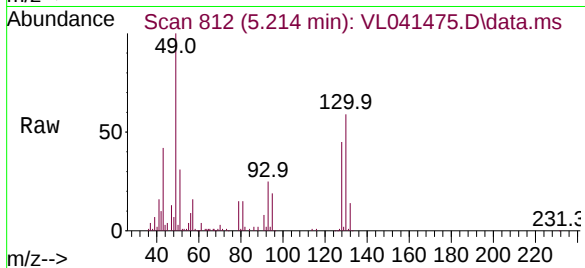
Ion Ratio Lower Upper

43 100

45 12.4 8.5 12.7

61 10.8 8.0 12.0

70 8.5 5.9 8.9



#26

Hexane

Concen: 0.167 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Tgt Ion: 57 Resp: 12562

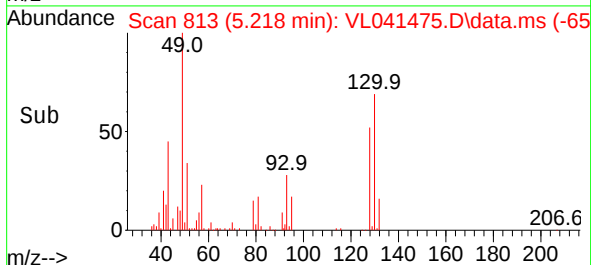
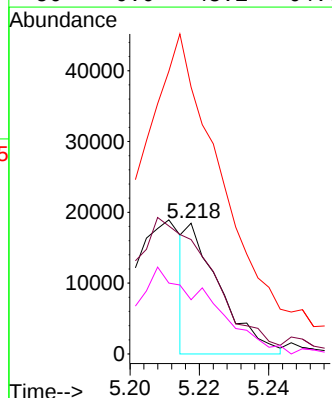
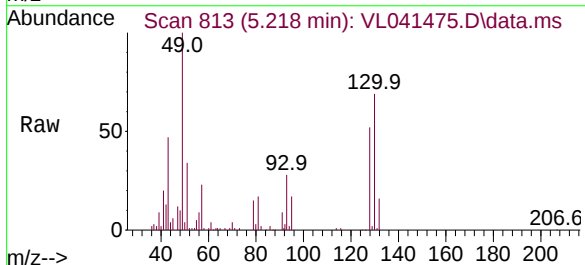
Ion Ratio Lower Upper

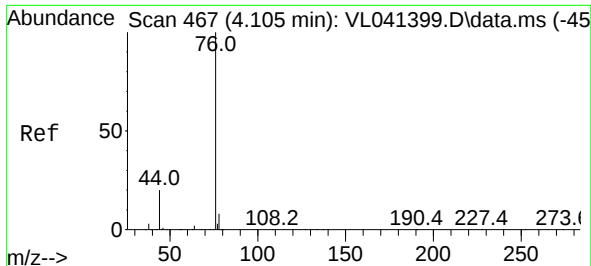
57 100

41 0.0 74.0 111.0#

43 704.8 193.6 290.4#

56 0.0 43.1 64.7#





#27

Carbon Disulfide

Concen: 0.338 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

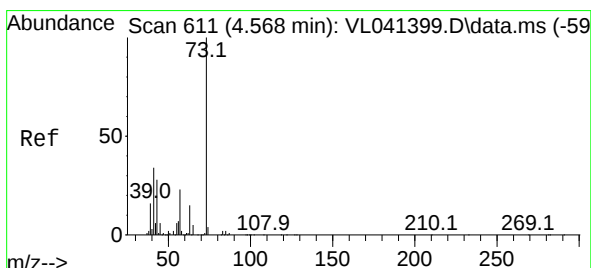
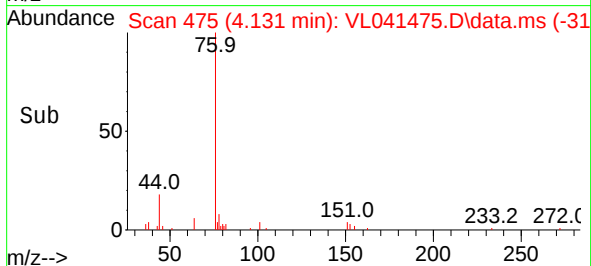
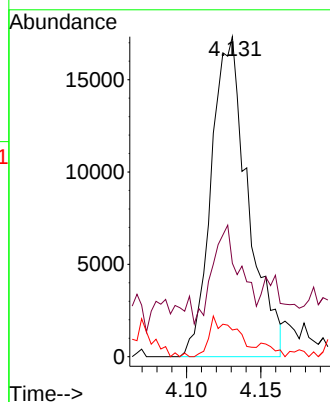
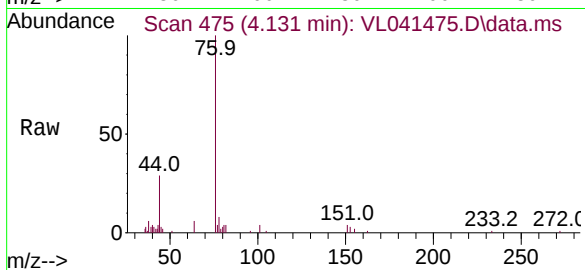
Tgt Ion: 76 Resp: 29714

Ion Ratio Lower Upper

76 100

44 31.9 15.6 23.4#

78 11.8 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.485 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.016 min

Lab File: VL041475.D

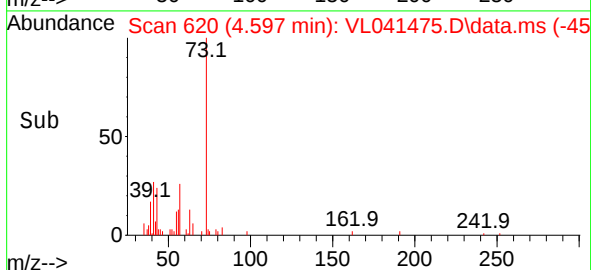
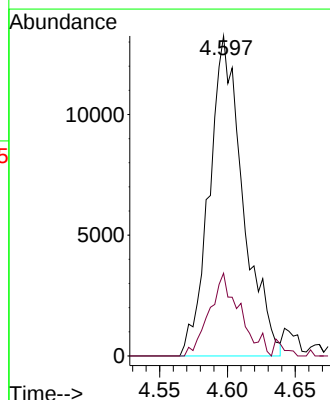
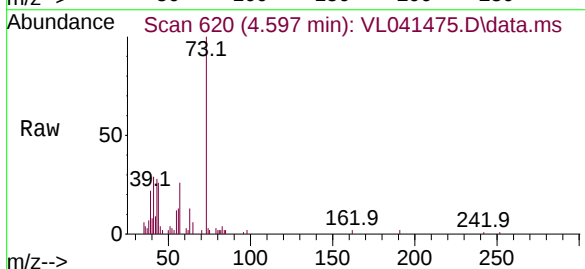
Acq: 1 Aug 2024 12:49

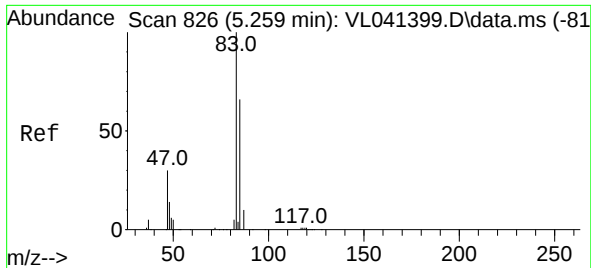
Tgt Ion: 73 Resp: 22971

Ion Ratio Lower Upper

73 100

57 25.0 18.9 28.3





#29

Chloroform

Concen: 0.470 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

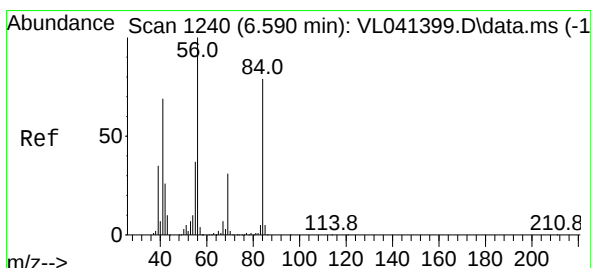
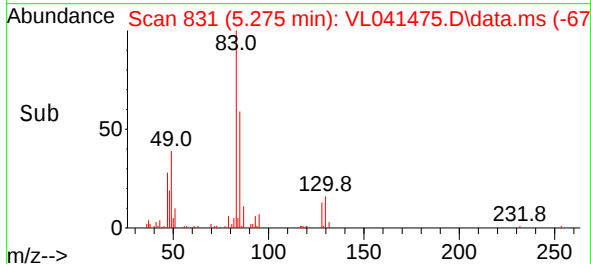
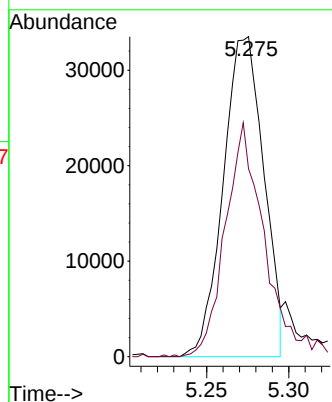
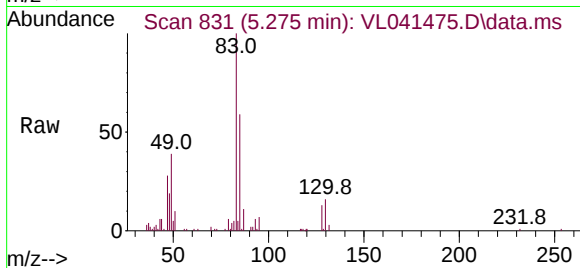
MDL-AIR-03-QT3-2024

Tgt Ion: 83 Resp: 57559

Ion Ratio Lower Upper

83 100

85 58.8 53.1 79.7



#30

Cyclohexane

Concen: 0.334 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

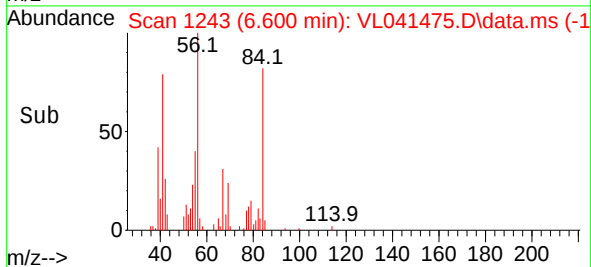
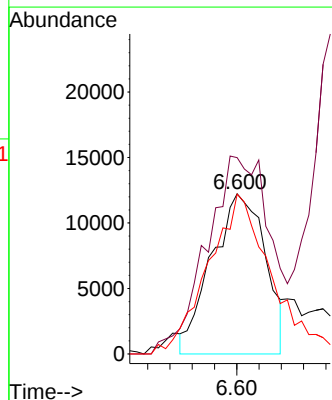
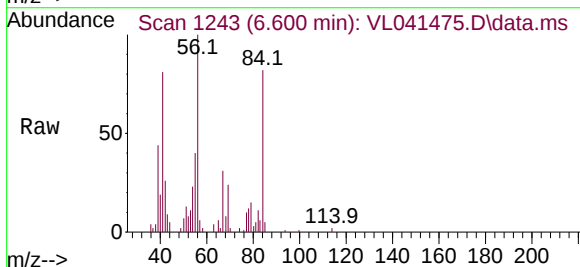
Tgt Ion: 84 Resp: 20436

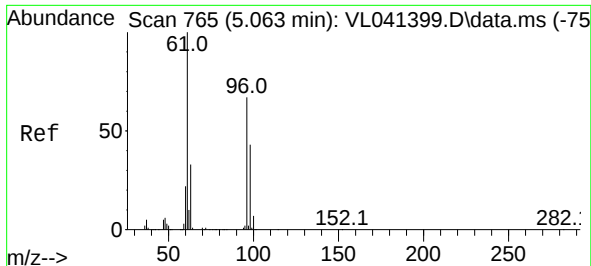
Ion Ratio Lower Upper

84 100

56 146.6 111.2 166.8

41 119.9 70.3 105.5#





#31

cis-1,2-Dichloroethene

Concen: 0.431 ppbv

RT: 5.076 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

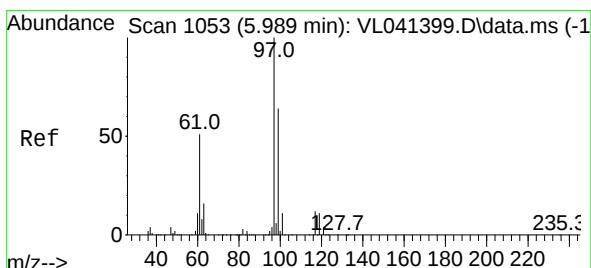
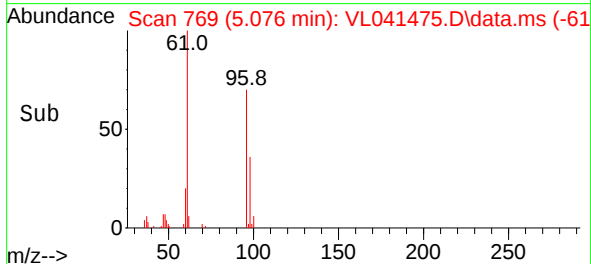
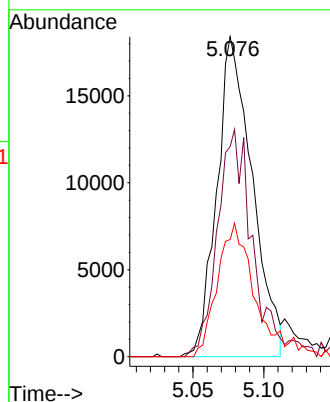
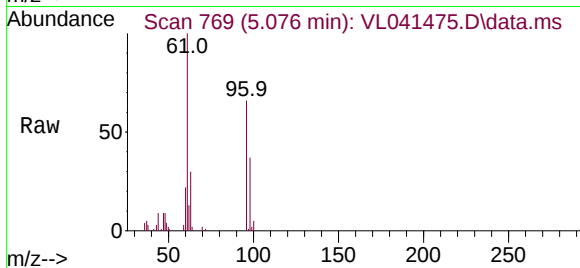
Tgt Ion: 61 Resp: 31989

Ion Ratio Lower Upper

61 100

96 65.7 53.4 80.2

98 36.6 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.455 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

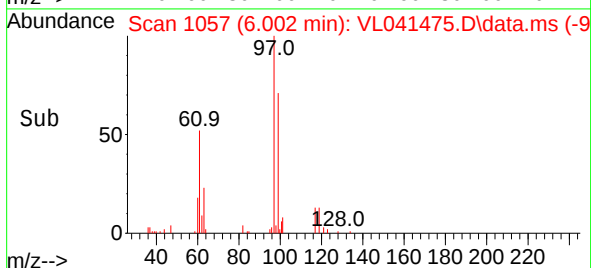
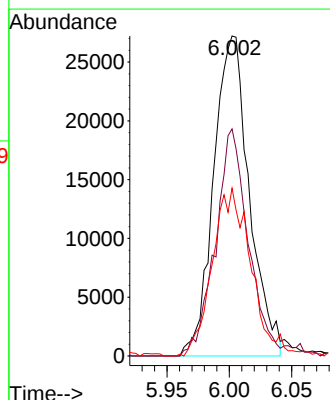
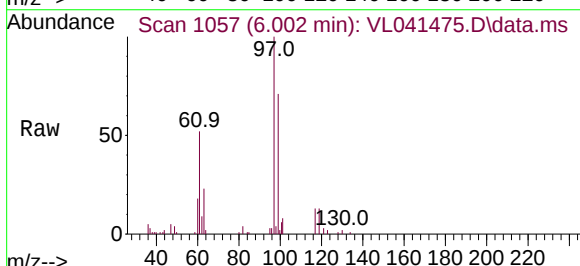
Tgt Ion: 97 Resp: 54216

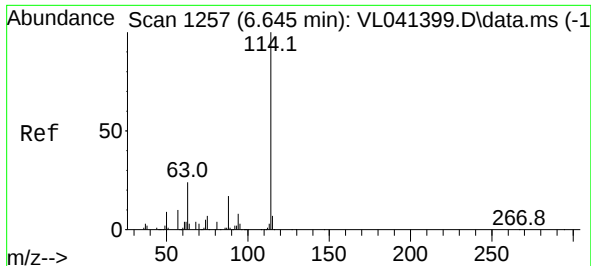
Ion Ratio Lower Upper

97 100

99 67.2 52.0 78.0

61 57.2 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

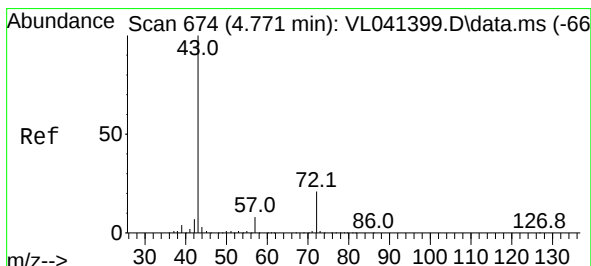
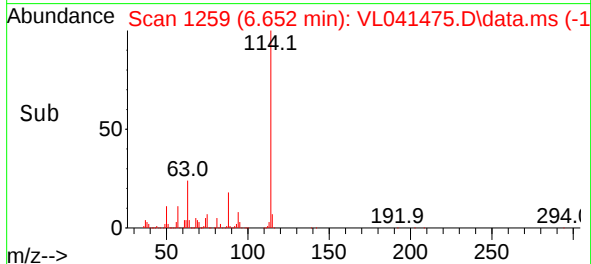
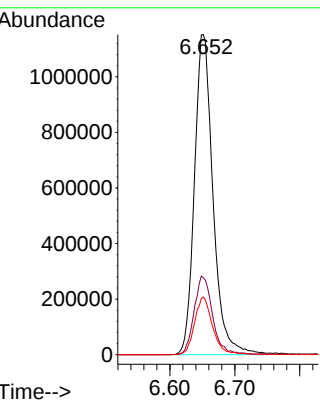
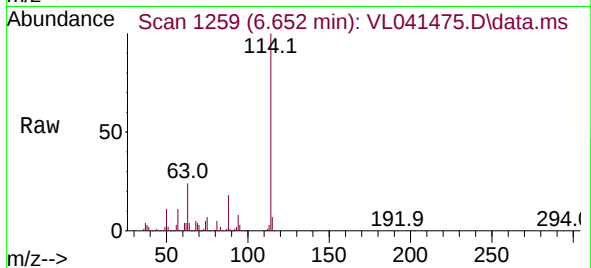
Tgt Ion:114 Resp: 2289276

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.425 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.016 min

Lab File: VL041475.D

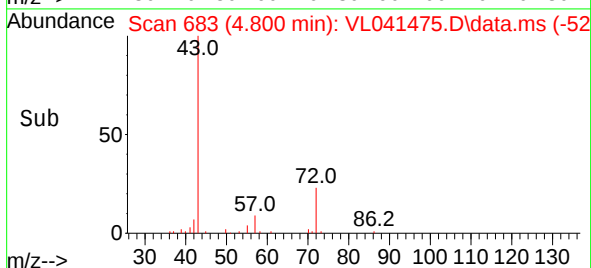
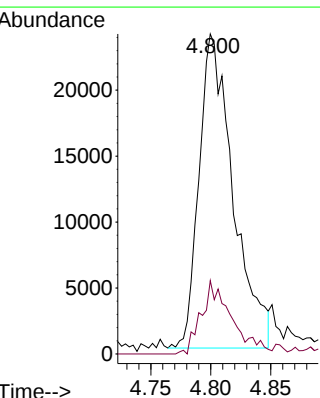
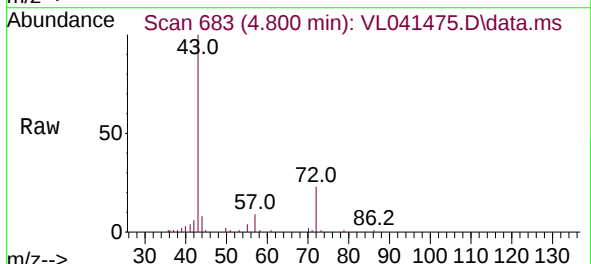
Acq: 1 Aug 2024 12:49

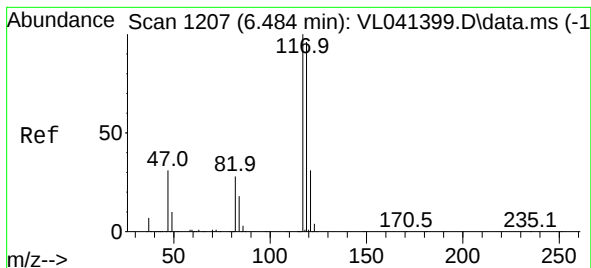
Tgt Ion: 43 Resp: 47027

Ion Ratio Lower Upper

43 100

72 21.4 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.016 ppbv

RT: 6.002 min Scan# 1107

Delta R.T. -0.489 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

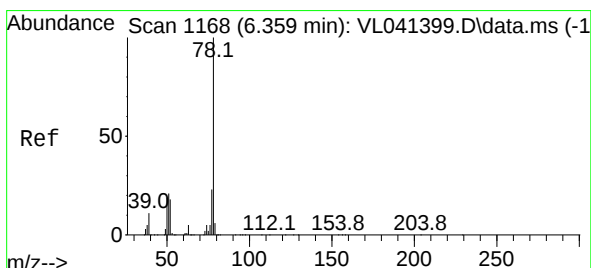
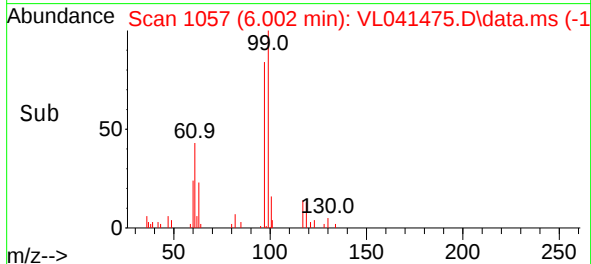
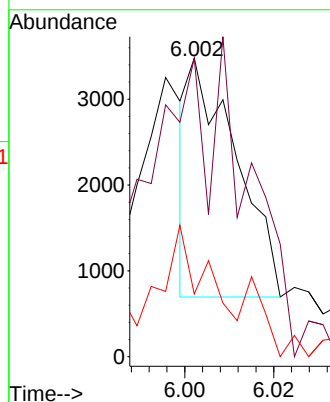
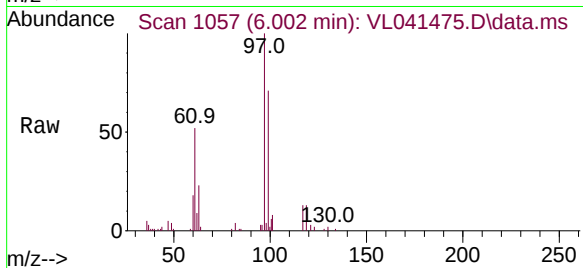
Tgt Ion:117 Resp: 2067

Ion Ratio Lower Upper

117 100

119 77.8 76.6 115.0

121 26.2 25.1 37.7



#36

Benzene

Concen: 0.401 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

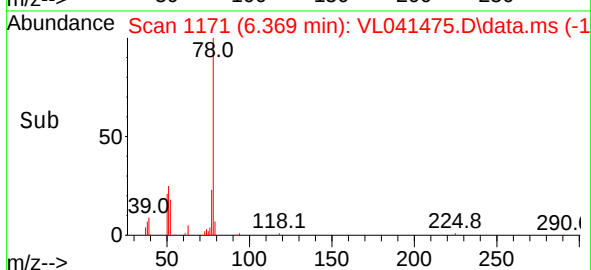
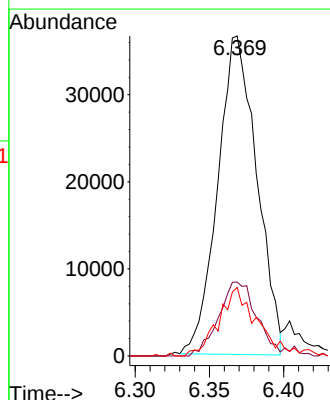
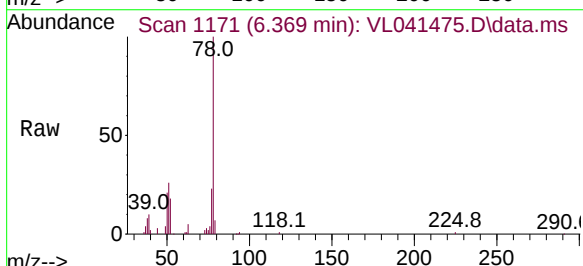
Tgt Ion: 78 Resp: 67043

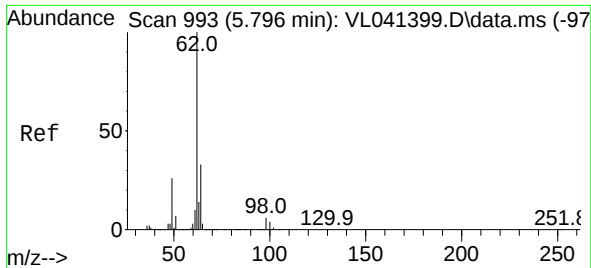
Ion Ratio Lower Upper

78 100

77 23.2 18.1 27.1

50 21.6 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.461 ppbv

RT: 5.803 min Scan# 993

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

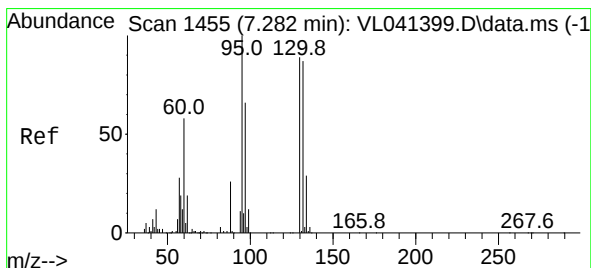
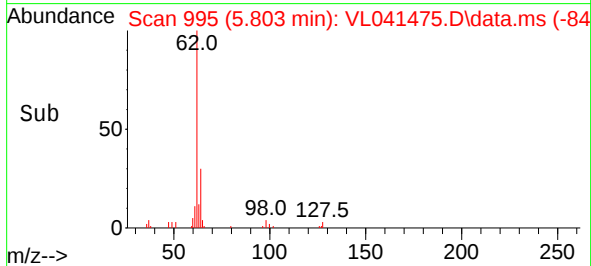
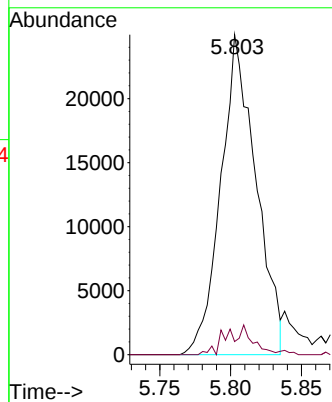
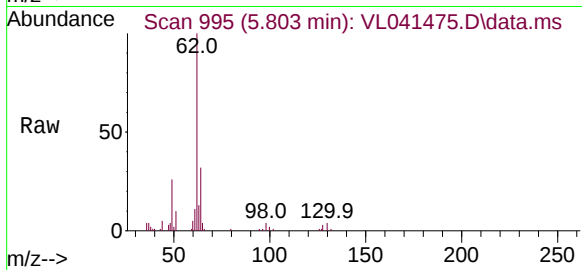
MDL-AIR-03-QT3-2024

Tgt Ion: 62 Resp: 43128

Ion Ratio Lower Upper

62 100

98 7.3 5.0 7.4



#38

Trichloroethene

Concen: 0.423 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Tgt Ion:130 Resp: 32438

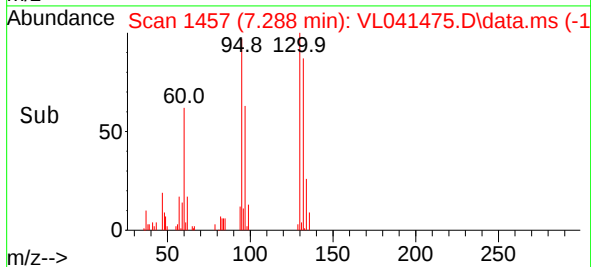
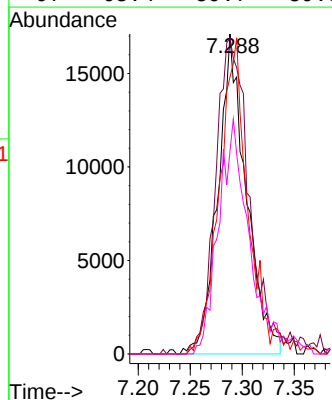
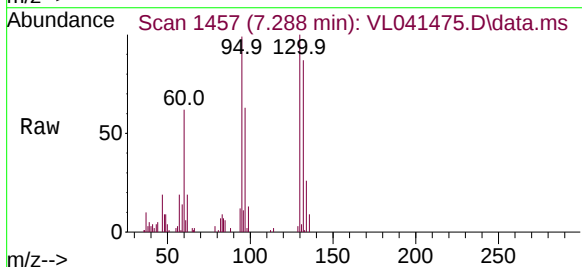
Ion Ratio Lower Upper

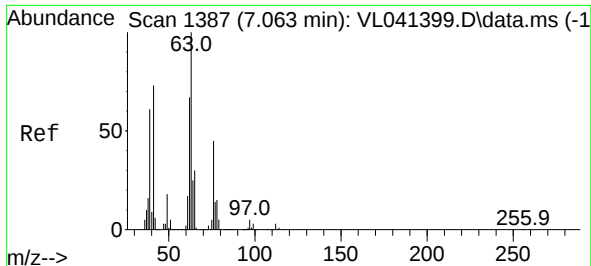
130 100

95 98.8 90.2 135.2

132 86.5 78.1 117.1

97 63.4 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.447 ppbv

RT: 7.073 min Scan# 1464

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

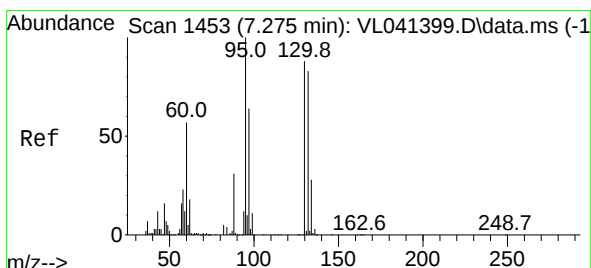
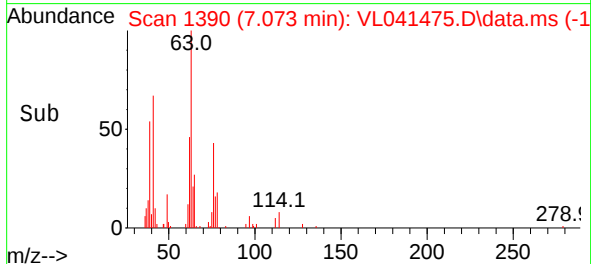
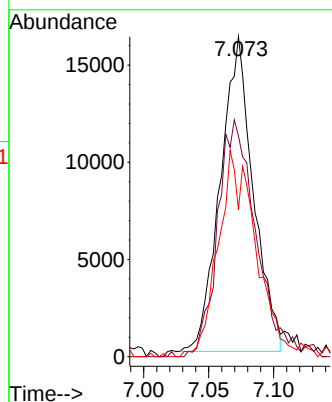
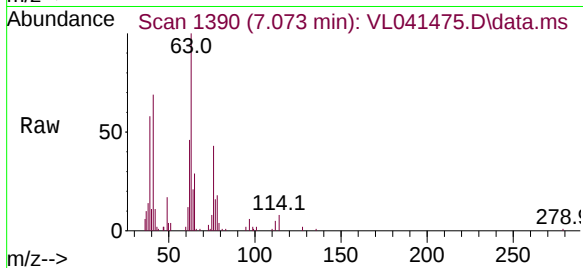
Tgt Ion: 63 Resp: 28639

Ion Ratio Lower Upper

63 100

41 70.2 58.3 87.5

62 46.7 53.9 80.9#



#40

1,4-Dioxane

Concen: 0.166 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.032 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Tgt Ion: 88 Resp: 4278

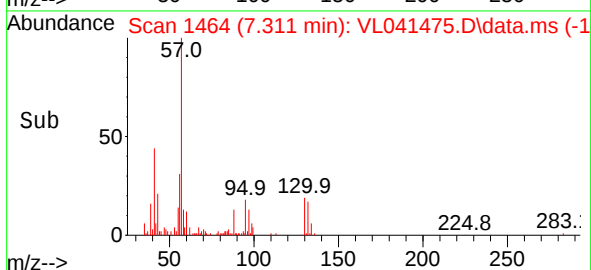
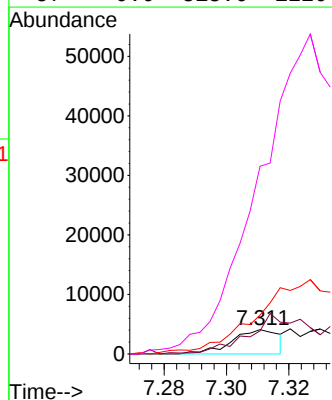
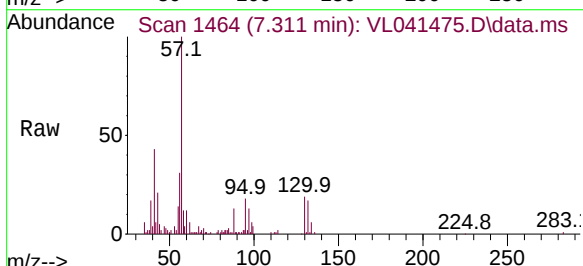
Ion Ratio Lower Upper

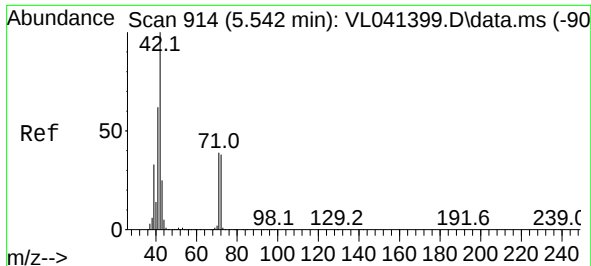
88 100

58 355.8 95.8 143.6#

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.327 ppbv

RT: 5.584 min Scan# 914

Delta R.T. 0.032 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

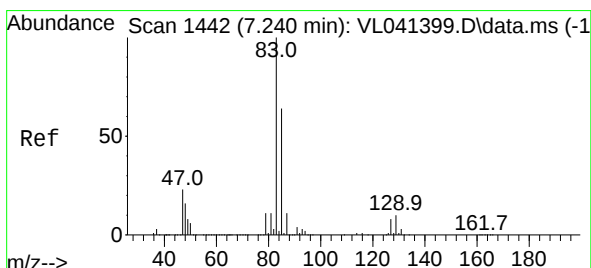
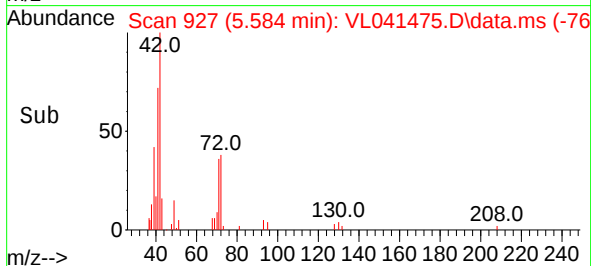
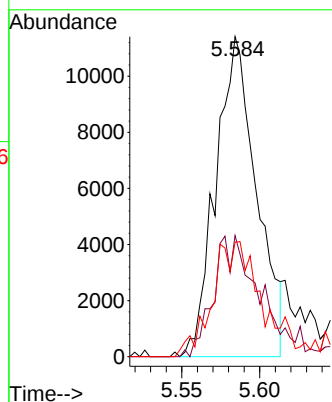
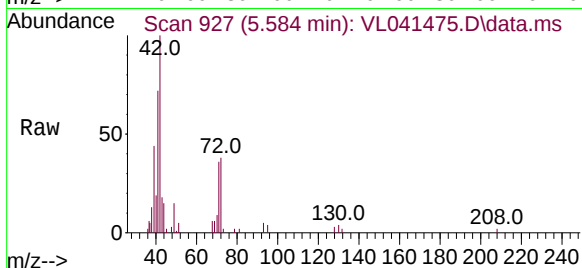
Tgt Ion: 42 Resp: 20739

Ion Ratio Lower Upper

42 100

72 45.5 31.2 46.8

71 46.9 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.397 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

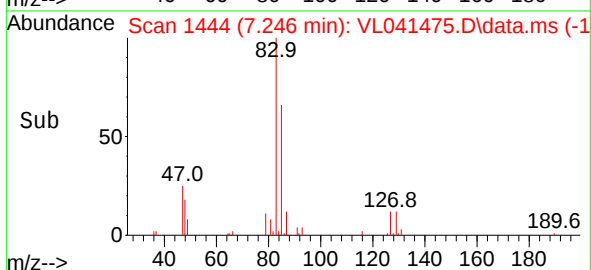
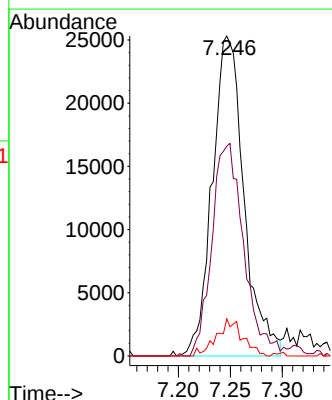
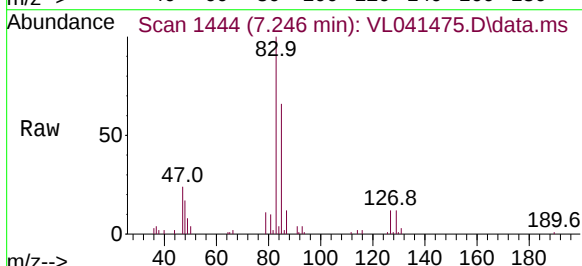
Tgt Ion: 83 Resp: 53623

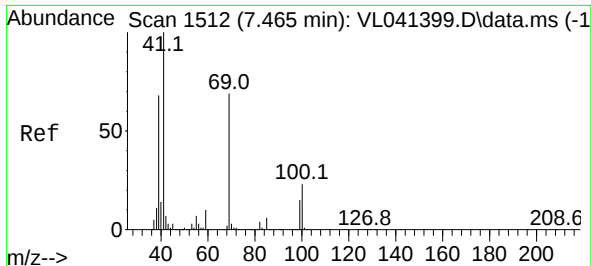
Ion Ratio Lower Upper

83 100

85 64.8 51.4 77.0

127 11.6 6.7 10.1#





#43

Methyl Methacrylate

Concen: 0.213 ppbv

RT: 7.478 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_1

ClientSampleId :

MDL-AIR-03-QT3-2024

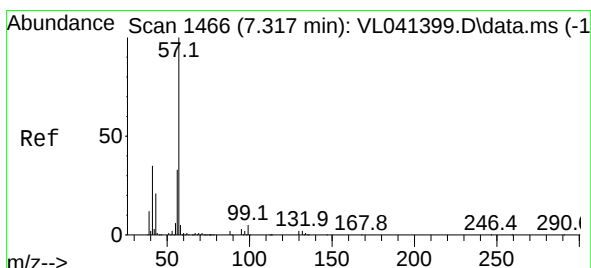
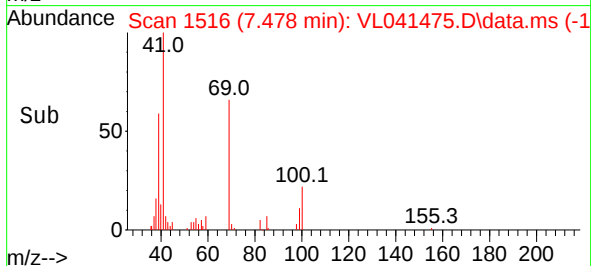
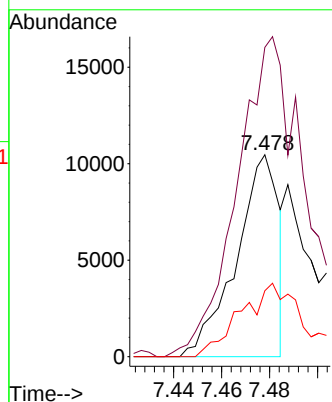
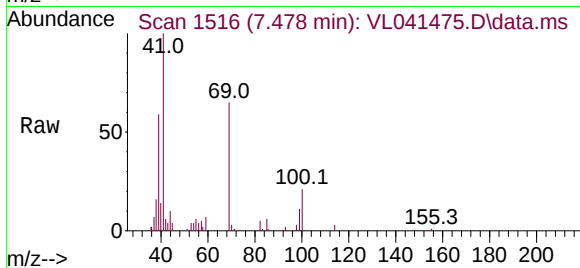
Tgt Ion: 69 Resp: 12759

Ion Ratio Lower Upper

69 100

41 270.8 118.7 178.1#

100 57.1 27.0 40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.423 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

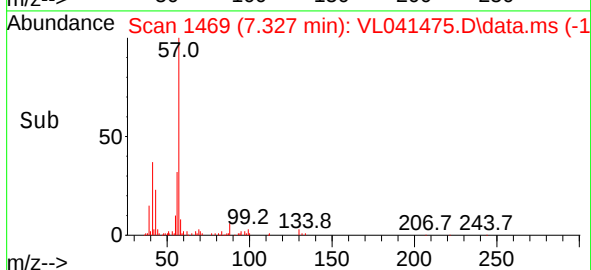
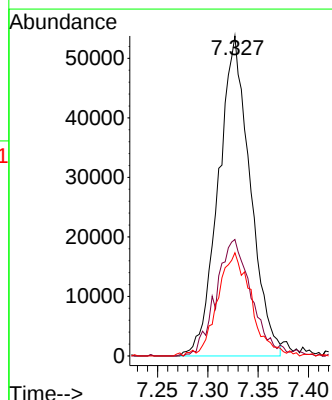
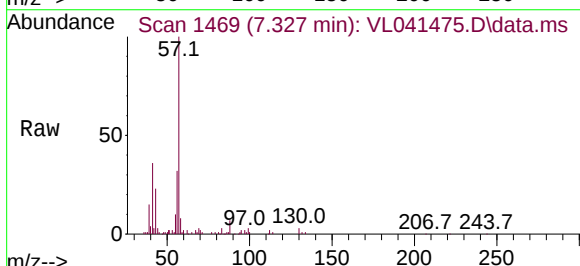
Tgt Ion: 57 Resp: 118265

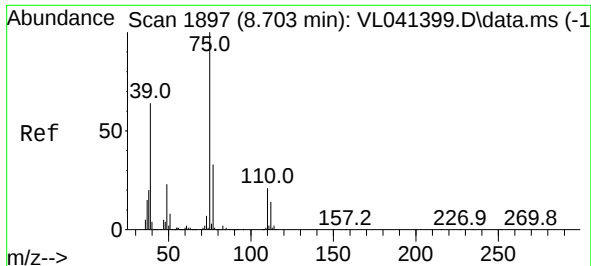
Ion Ratio Lower Upper

57 100

41 41.1 27.0 40.6#

56 34.6 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 0.004 ppbv

RT: 8.237 min Scan# 1752

Delta R.T. -0.473 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

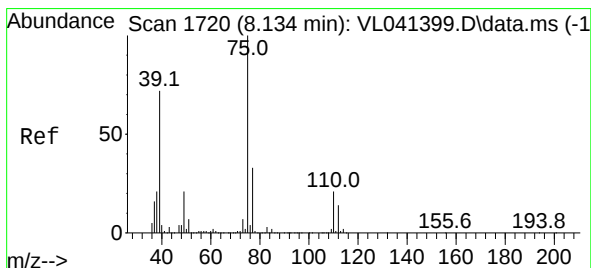
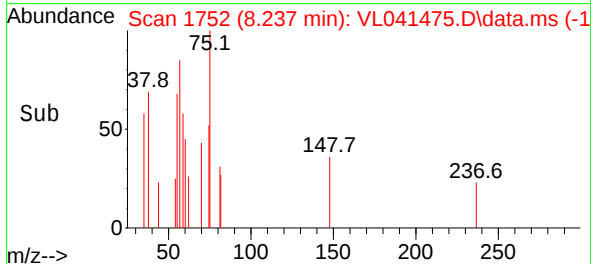
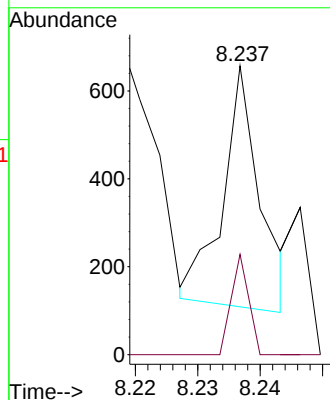
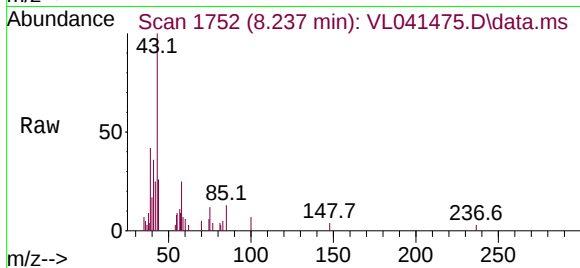
MDL-AIR-03-QT3-2024

Tgt Ion: 75 Resp: 225

Ion Ratio Lower Upper

75 100

77 34.7 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 0.317 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

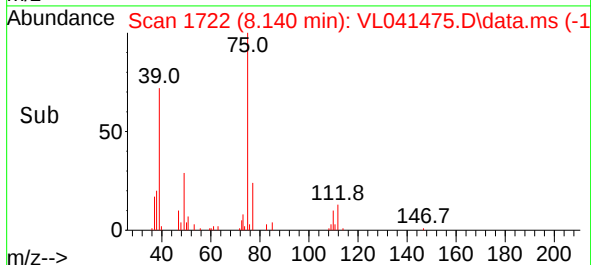
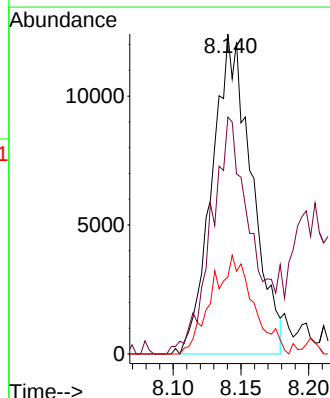
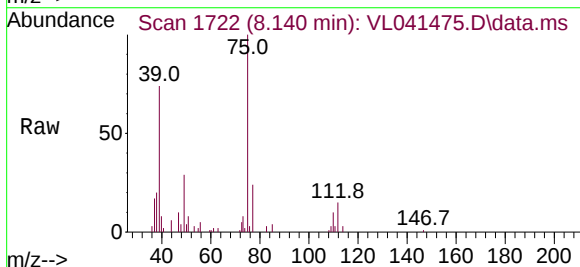
Tgt Ion: 75 Resp: 25273

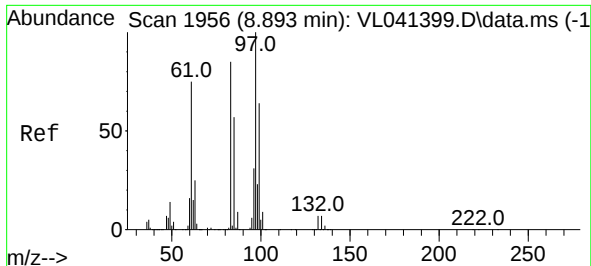
Ion Ratio Lower Upper

75 100

39 70.0 57.3 85.9

77 24.1 26.2 39.2#





#47

1,1,2-Trichloroethane

Concen: 0.468 ppbv

RT: 8.896 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

Tgt Ion: 97 Resp: 33003

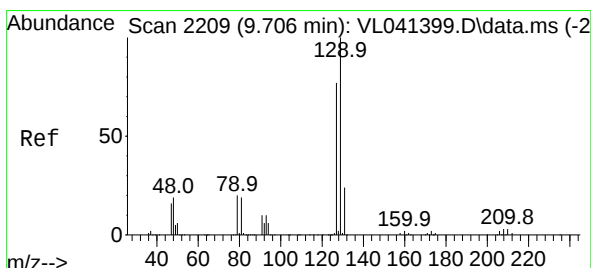
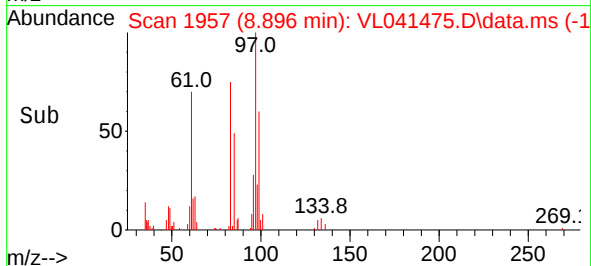
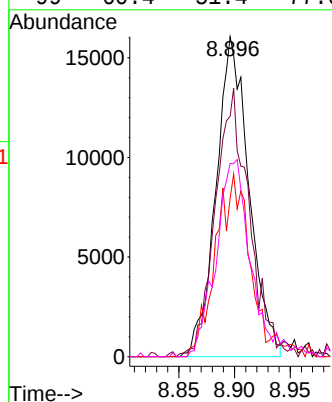
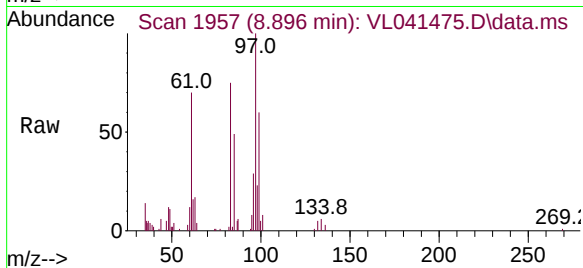
Ion Ratio Lower Upper

97 100

83 74.2 67.6 101.4

85 49.5 45.9 68.9

99 60.4 51.4 77.0



#48

Dibromochloromethane

Concen: 0.201 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VL041475.D

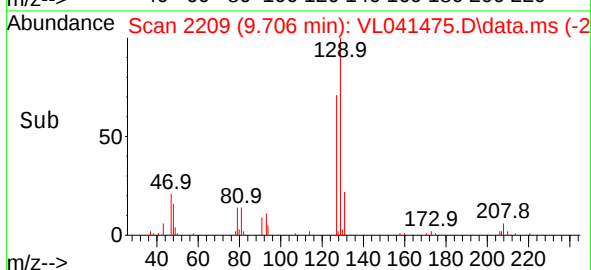
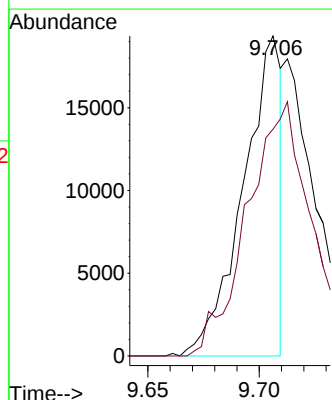
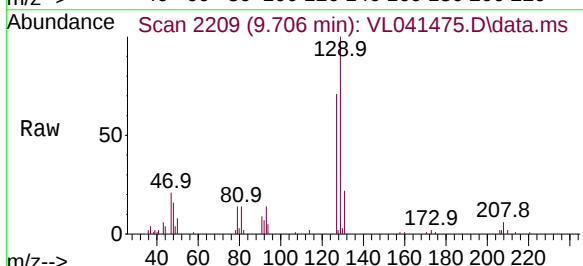
Acq: 1 Aug 2024 12:49

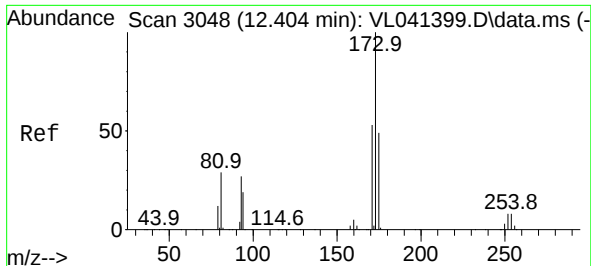
Tgt Ion: 129 Resp: 22898

Ion Ratio Lower Upper

129 100

127 139.8 39.3 117.8#





#49

Bromoform

Concen: 0.315 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

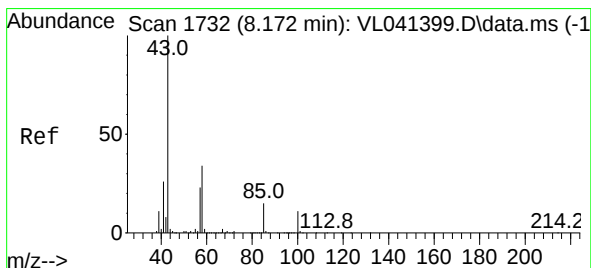
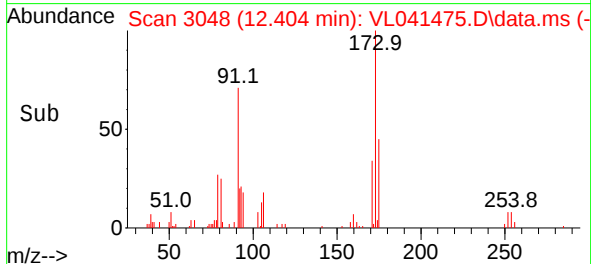
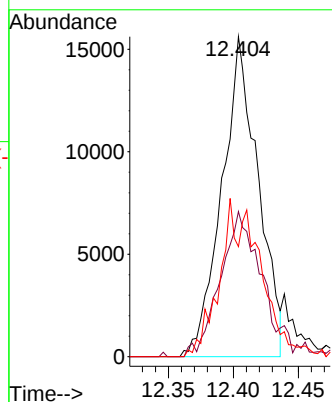
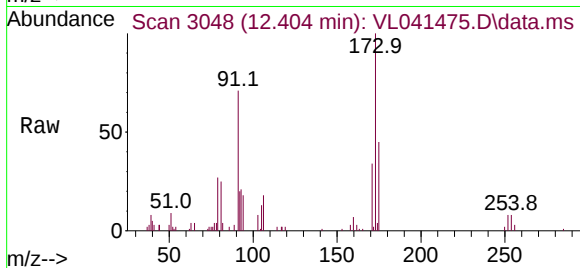
Tgt Ion:173 Resp: 30269

Ion Ratio Lower Upper

173 100

175 53.2 39.9 59.9

171 55.4 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.004 ppbv

RT: 8.160 min Scan# 1728

Delta R.T. -0.019 min

Lab File: VL041475.D

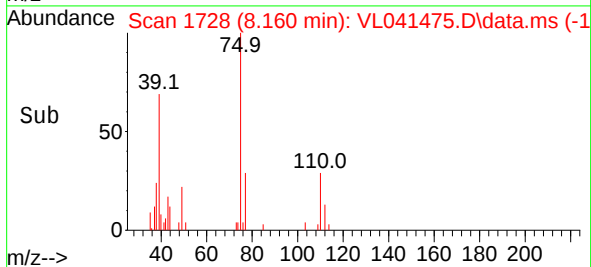
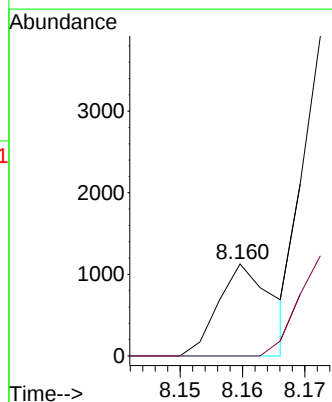
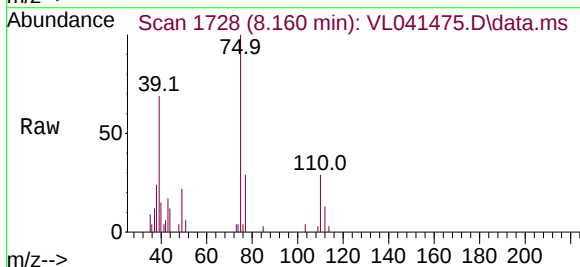
Acq: 1 Aug 2024 12:49

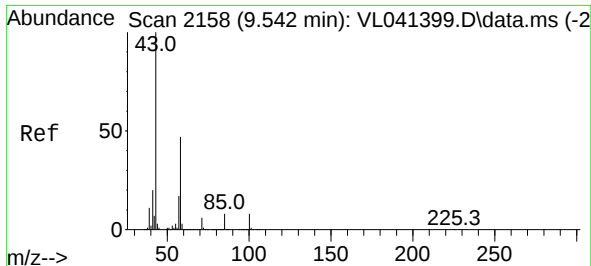
Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

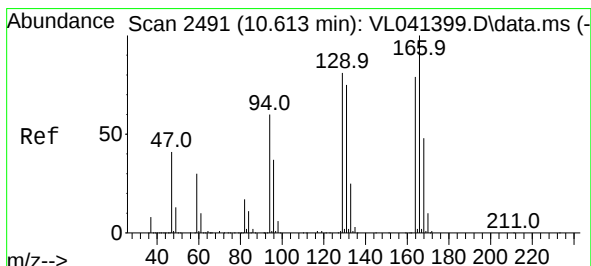
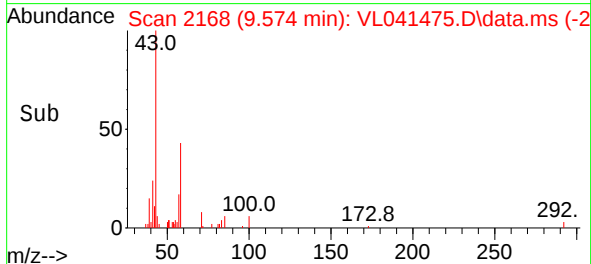
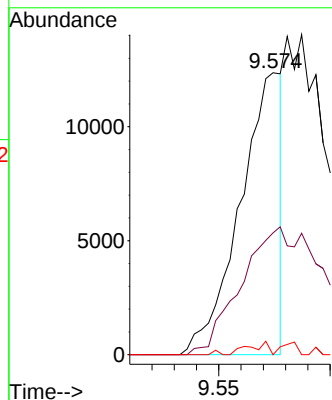
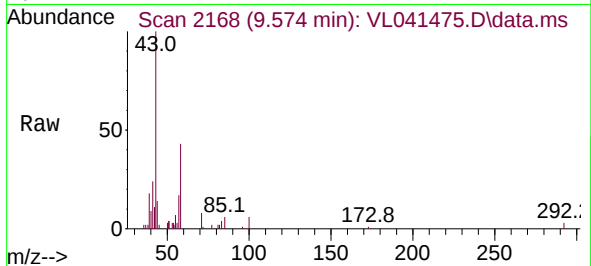




#51
2-Hexanone
Concen: 0.122 ppbv
RT: 9.574 min Scan# 2158
Delta R.T. 0.029 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

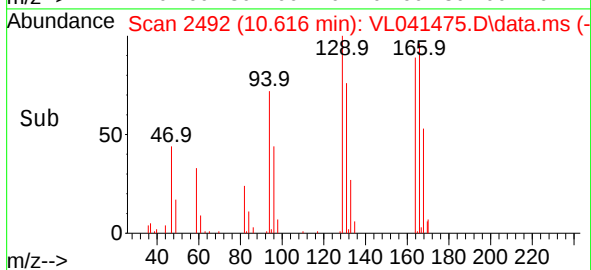
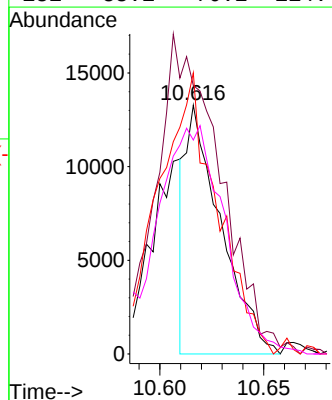
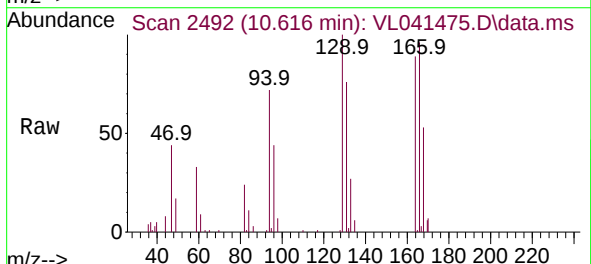
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

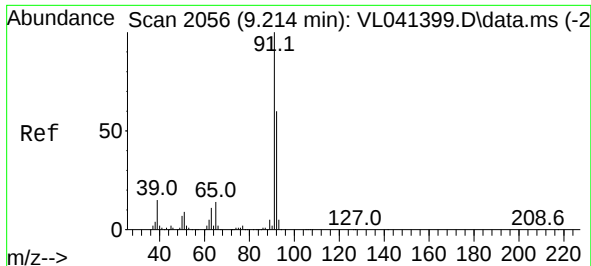
Tgt Ion: 43 Resp: 16072
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 4.4 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.241 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.003 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

Tgt Ion:164 Resp: 15568
Ion Ratio Lower Upper
164 100
166 105.1 101.1 151.7
129 110.5 81.7 122.5
131 83.1 76.2 114.4





#53

Toluene

Concen: 0.357 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

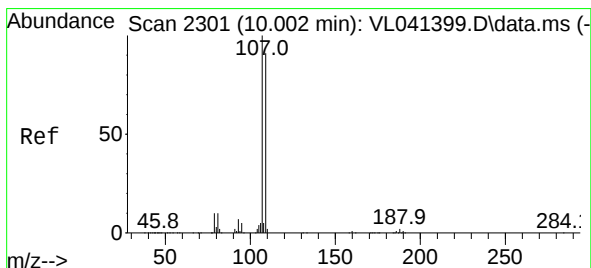
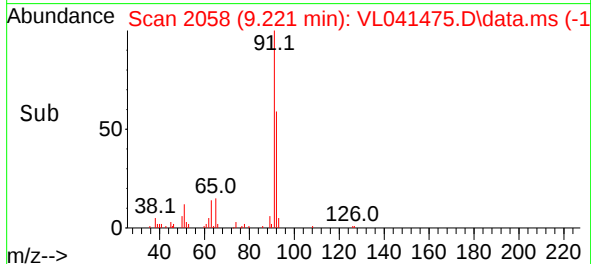
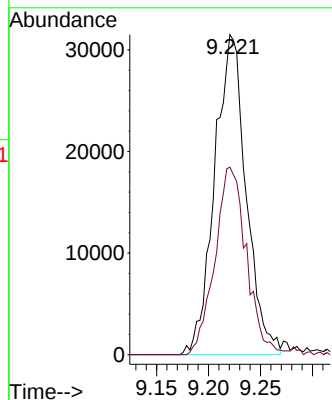
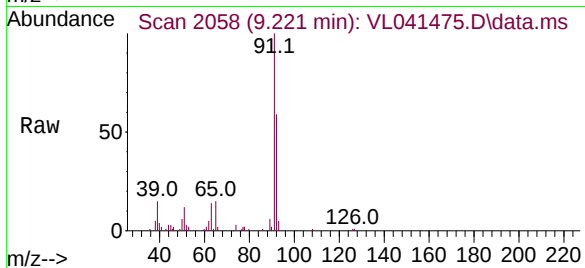
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 66443

Ion Ratio Lower Upper

91 100

92 59.7 48.7 73.1



#54

1,2-Dibromoethane

Concen: 0.216 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041475.D

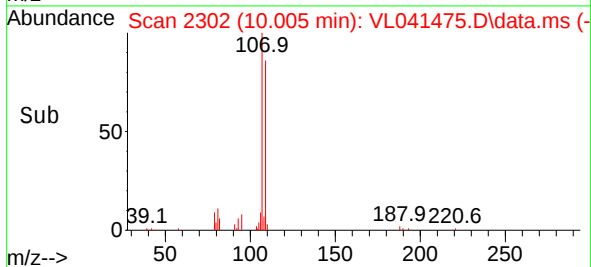
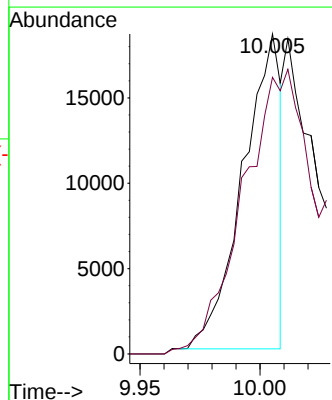
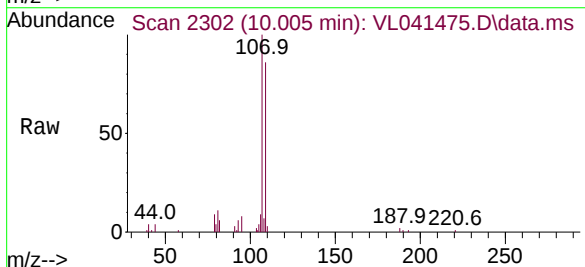
Acq: 1 Aug 2024 12:49

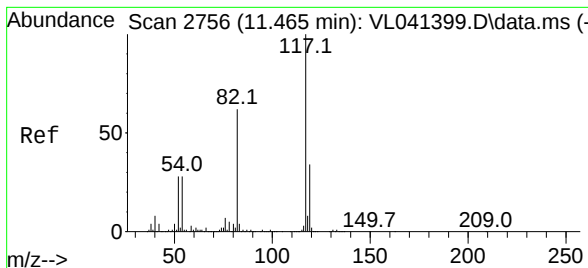
Tgt Ion: 107 Resp: 20333

Ion Ratio Lower Upper

107 100

109 86.0 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: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

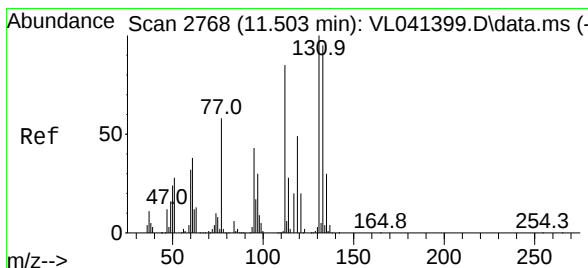
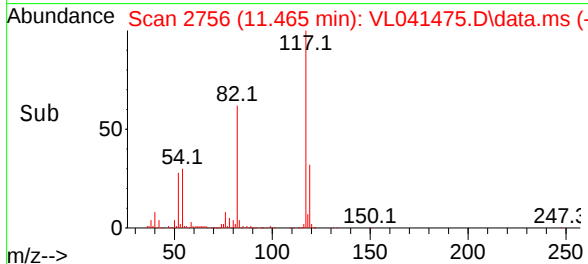
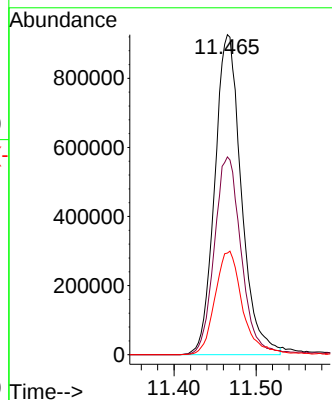
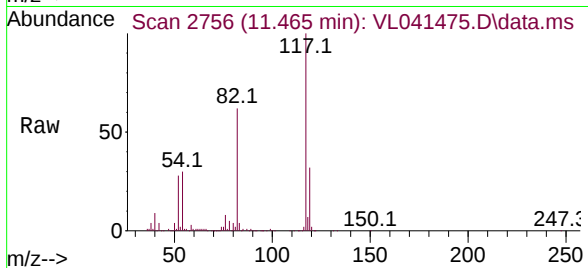
Tgt Ion:117 Resp: 2087881

Ion Ratio Lower Upper

117 100

82 63.1 51.0 76.6

119 33.7 45.2 67.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 0.477 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

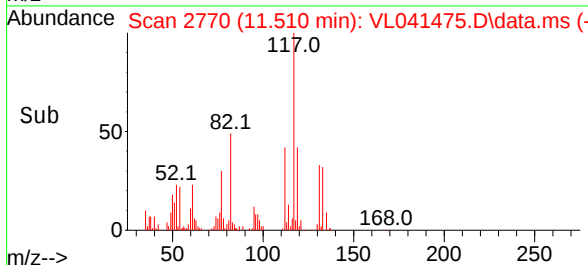
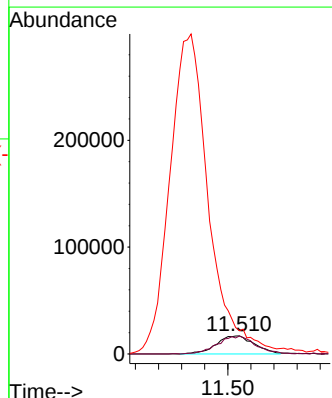
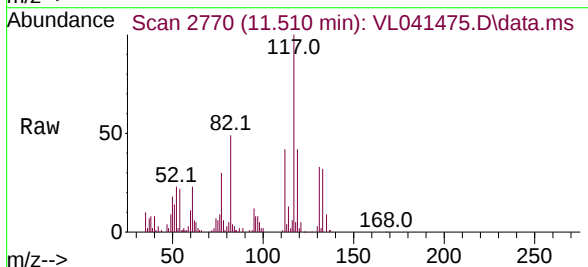
Tgt Ion:131 Resp: 38661

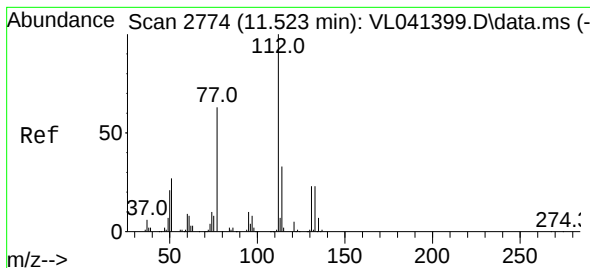
Ion Ratio Lower Upper

131 100

133 100.0 77.0 115.4

119 1845.5 121.5 182.3#





#57

Chlorobenzene

Concen: 0.483 ppbv

RT: 11.523 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

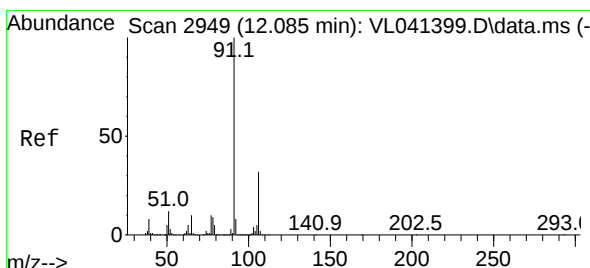
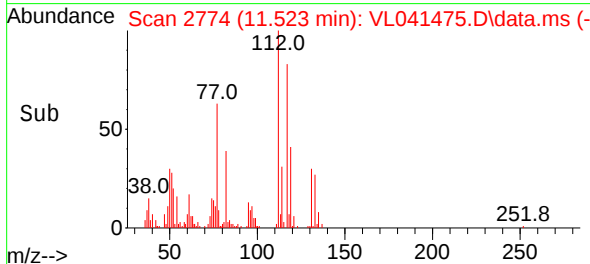
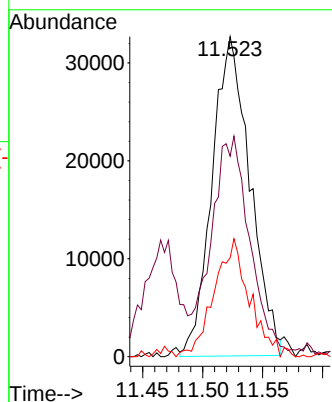
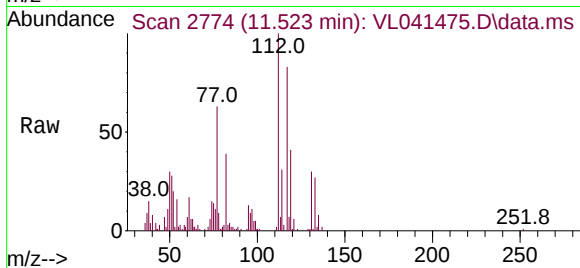
Tgt Ion:112 Resp: 71864

Ion Ratio Lower Upper

112 100

77 60.2 51.1 76.7

114 30.6 29.5 36.1



#58

Ethyl Benzene

Concen: 0.358 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041475.D

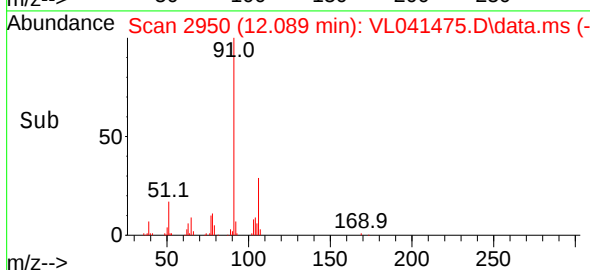
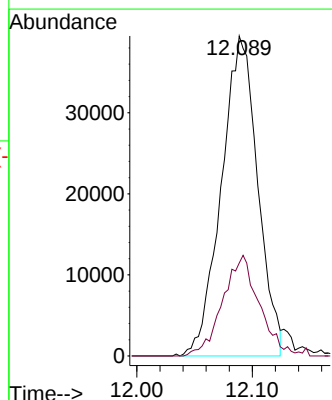
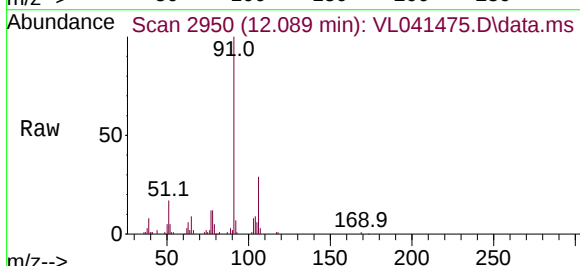
Acq: 1 Aug 2024 12:49

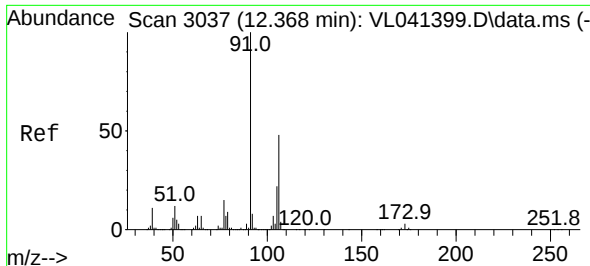
Tgt Ion: 91 Resp: 86265

Ion Ratio Lower Upper

91 100

106 29.0 25.8 38.8





#59

m/p-Xylene

Concen: 0.411 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

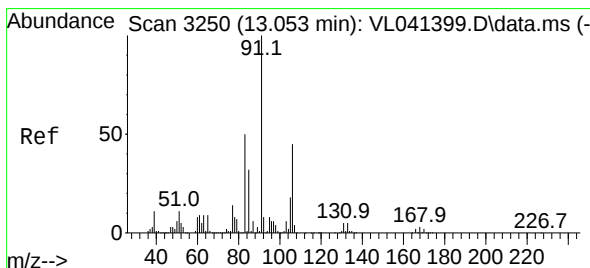
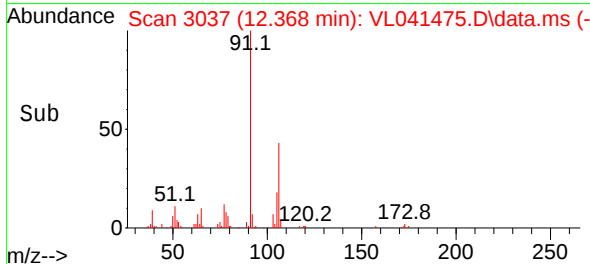
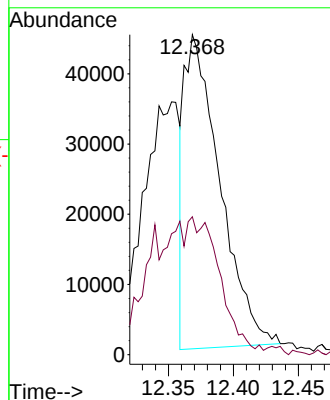
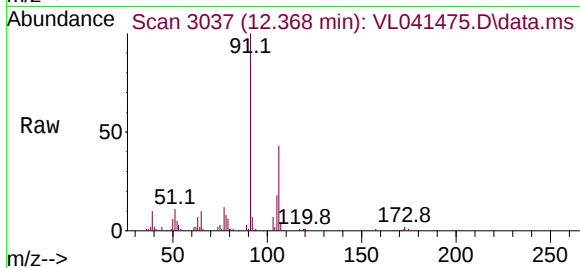
MDL-AIR-03-QT3-2024

Tgt Ion: 91 Resp: 85399

Ion Ratio Lower Upper

91 100

106 86.5 36.3 54.5#



#60

o-Xylene

Concen: 0.394 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VL041475.D

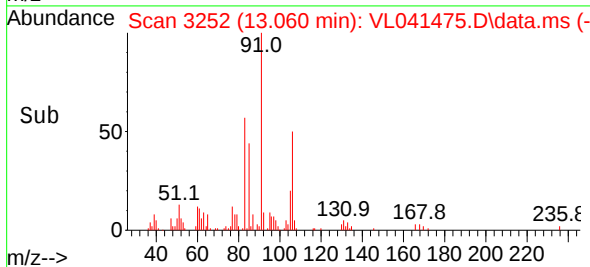
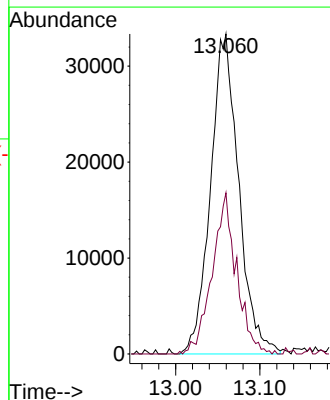
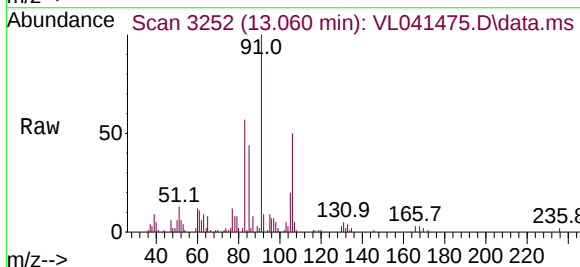
Acq: 1 Aug 2024 12:49

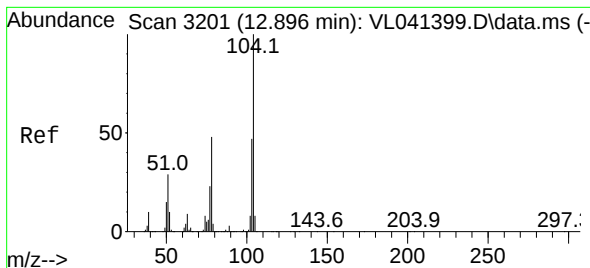
Tgt Ion: 91 Resp: 77407

Ion Ratio Lower Upper

91 100

106 43.6 23.1 69.3





#61

Styrene

Concen: 0.166 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

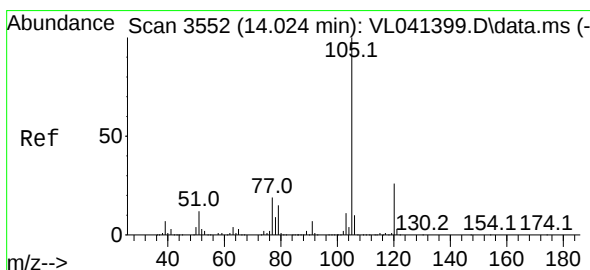
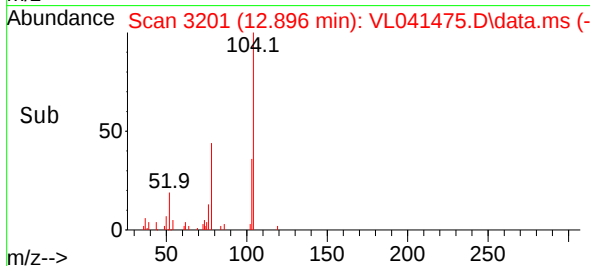
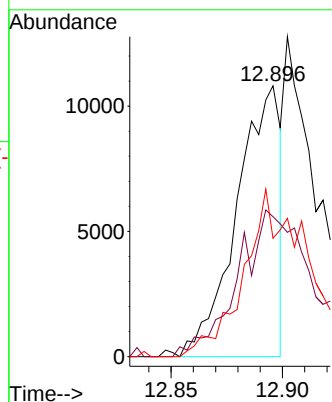
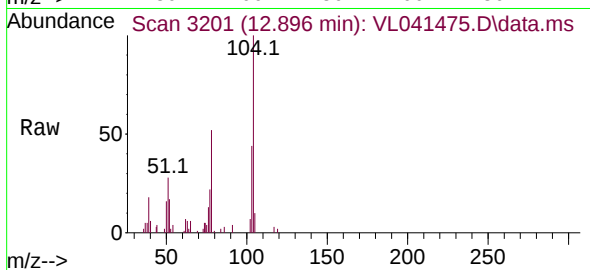
Tgt Ion:104 Resp: 14690

Ion Ratio Lower Upper

104 100

78 94.3 40.8 61.2#

103 92.7 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.424 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041475.D

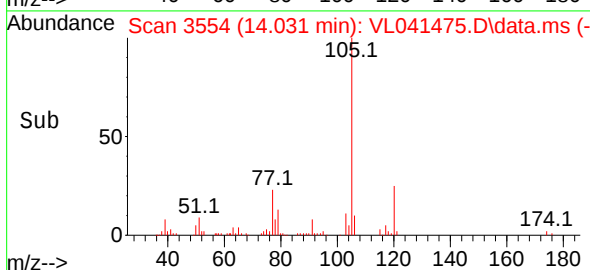
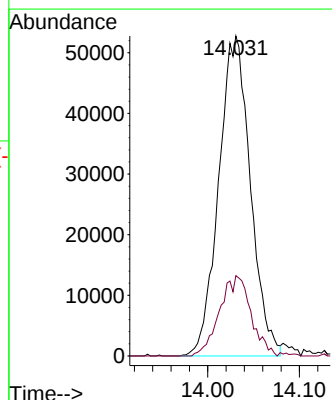
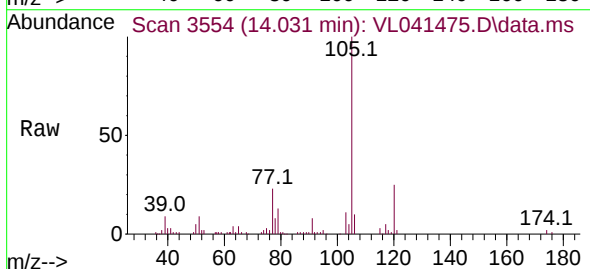
Acq: 1 Aug 2024 12:49

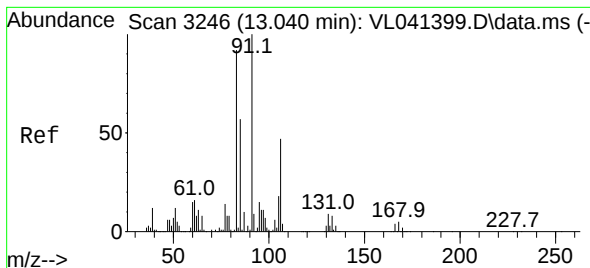
Tgt Ion:105 Resp: 126602

Ion Ratio Lower Upper

105 100

120 25.2 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.451 ppbv

RT: 13.050 min Scan# 3246

Delta R.T. 0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

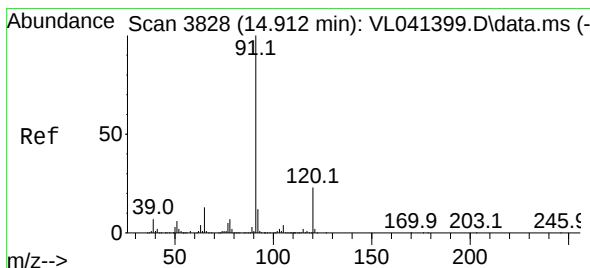
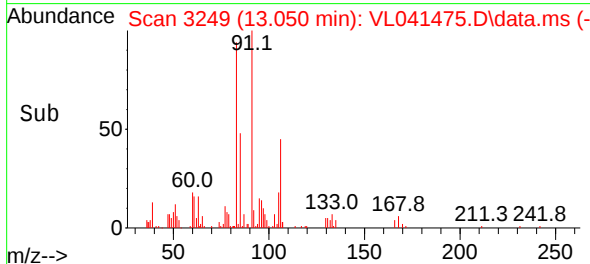
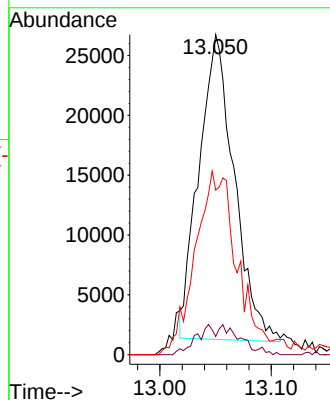
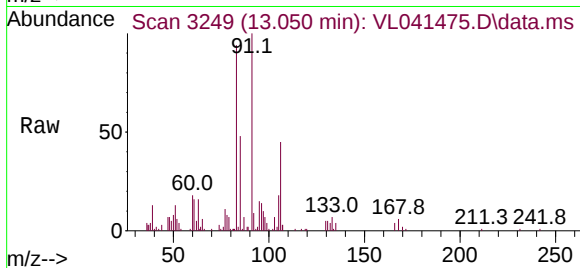
Tgt Ion: 83 Resp: 55938

Ion Ratio Lower Upper

83 100

131 11.5 4.8 14.4

85 74.1 32.6 98.0



#64

n-propylbenzene

Concen: 0.179 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.000 min

Lab File: VL041475.D

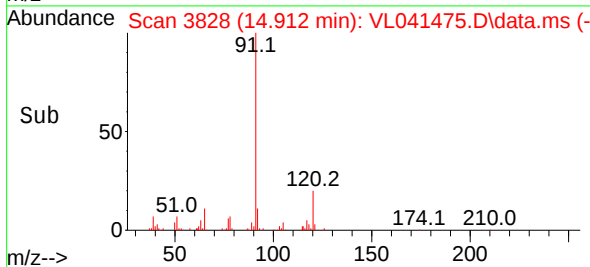
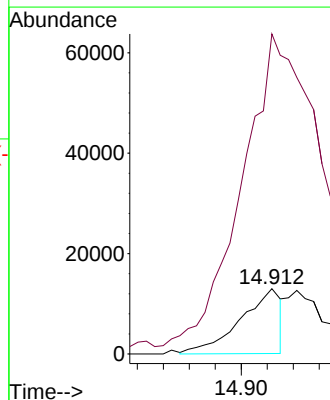
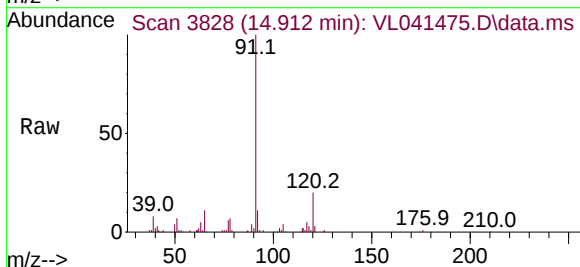
Acq: 1 Aug 2024 12:49

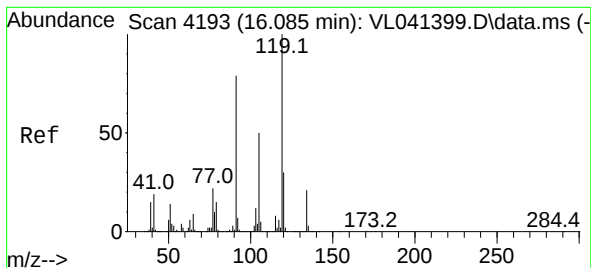
Tgt Ion:120 Resp: 13989

Ion Ratio Lower Upper

120 100

91 1068.4 361.4 542.0#





#65

tert-Butylbenzene

Concen: 0.380 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

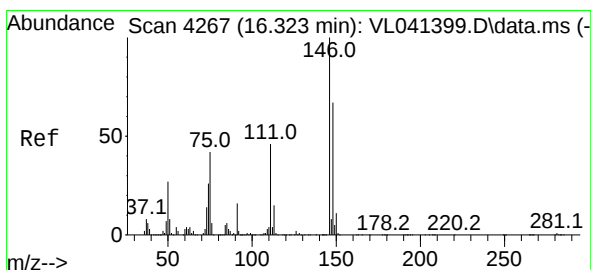
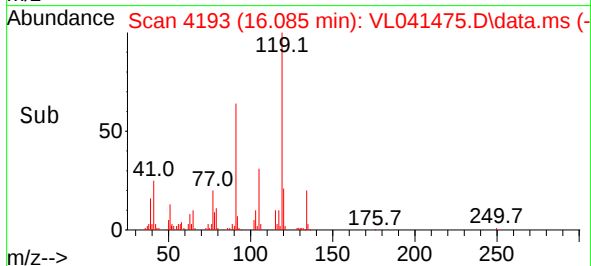
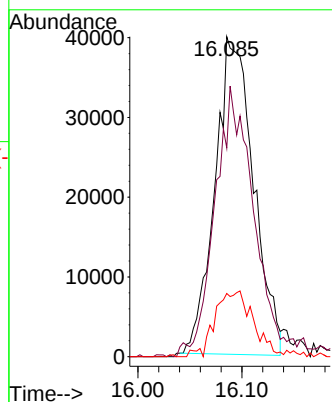
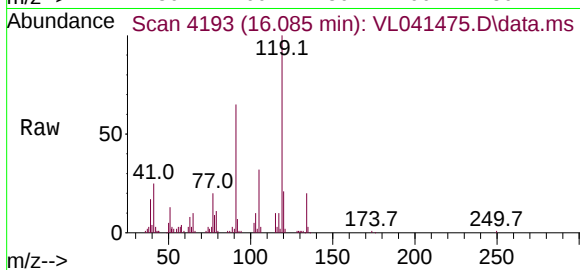
Tgt Ion:119 Resp: 102564

Ion Ratio Lower Upper

119 100

91 89.0 64.2 96.2

134 20.6 15.7 23.5



#66

Benzyl Chloride

Concen: 0.110 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. -0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

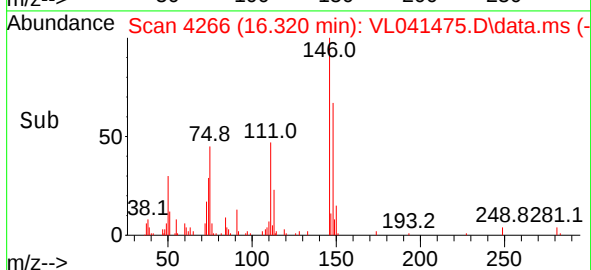
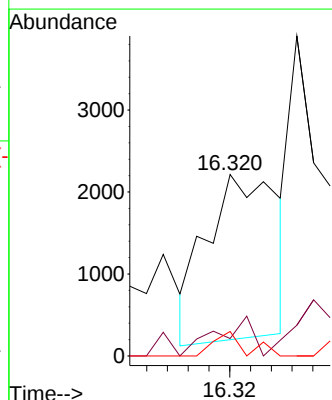
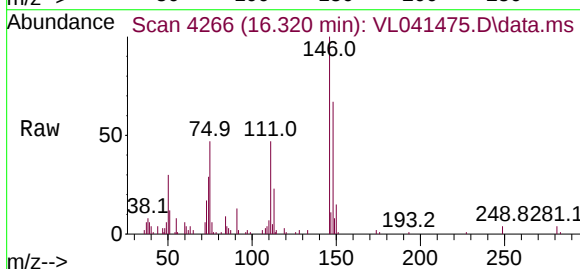
Tgt Ion: 91 Resp: 1899

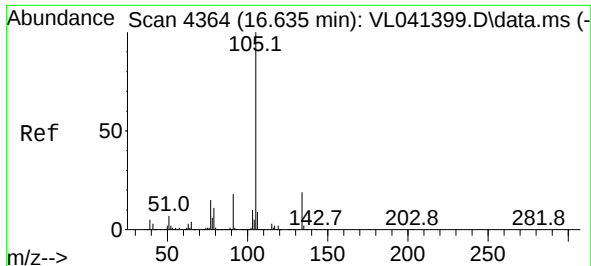
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

128 6.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 0.404 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

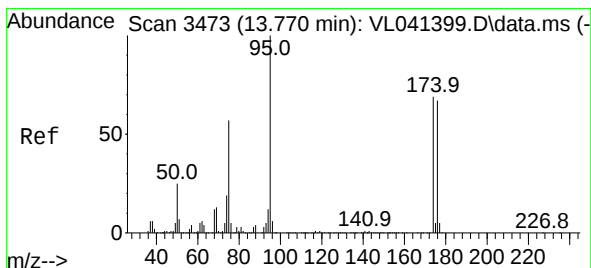
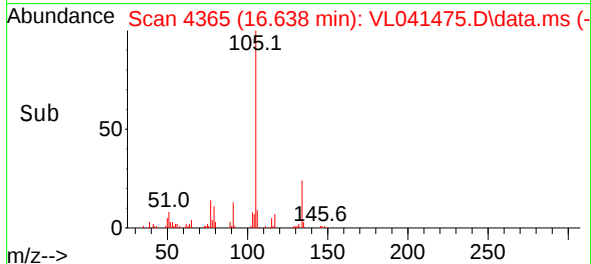
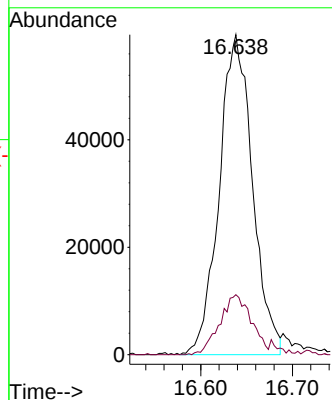
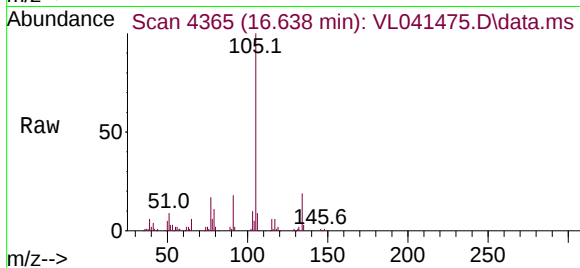
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 150159

Ion Ratio Lower Upper

105 100

134 19.2 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.160 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

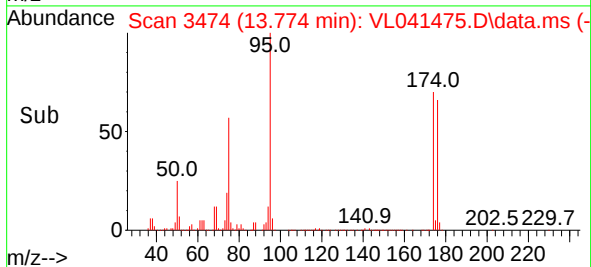
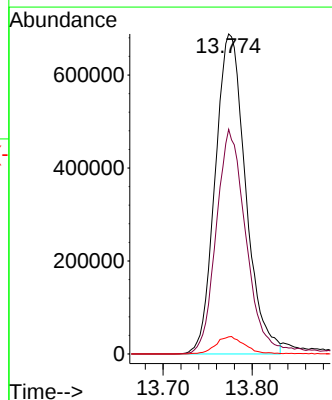
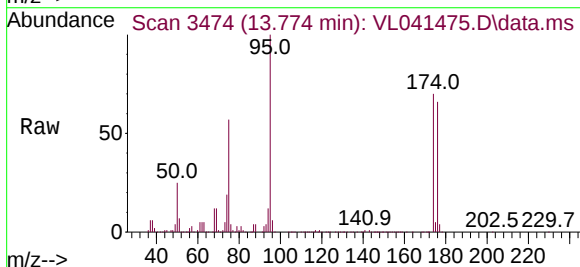
Tgt Ion: 95 Resp: 1632408

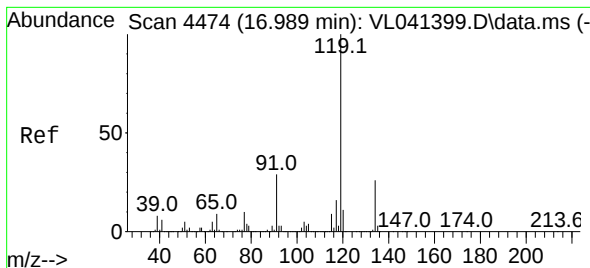
Ion Ratio Lower Upper

95 100

174 71.3 56.3 84.5

175 5.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.334 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. 0.006 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

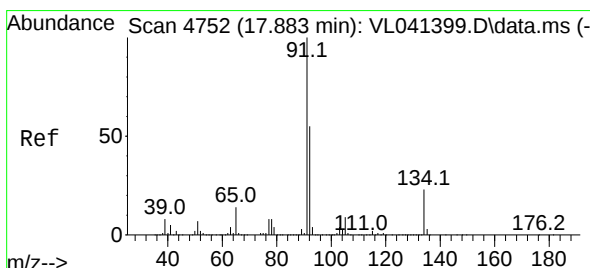
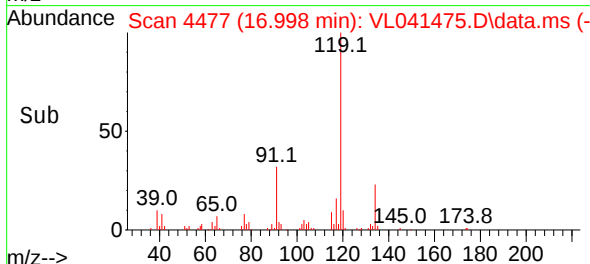
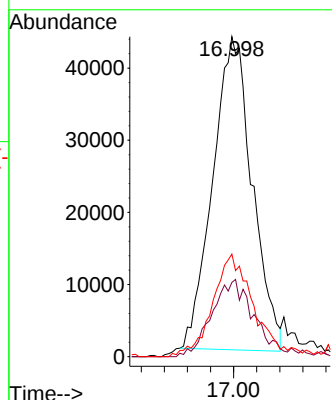
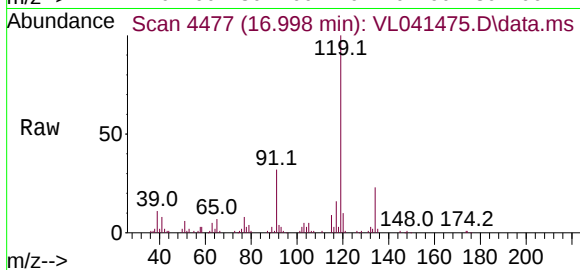
Tgt Ion:119 Resp: 102990

Ion Ratio Lower Upper

119 100

134 27.4 20.5 30.7

91 34.2 23.2 34.8



#70

n-Butylbenzene

Concen: 0.354 ppbv

RT: 17.896 min Scan# 4756

Delta R.T. 0.013 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

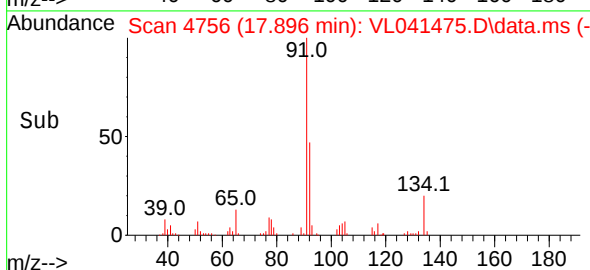
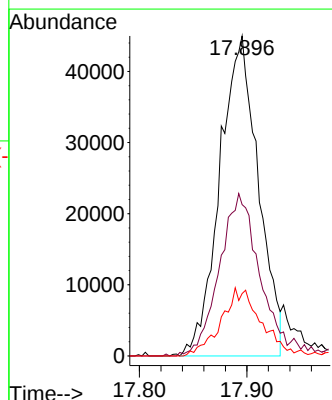
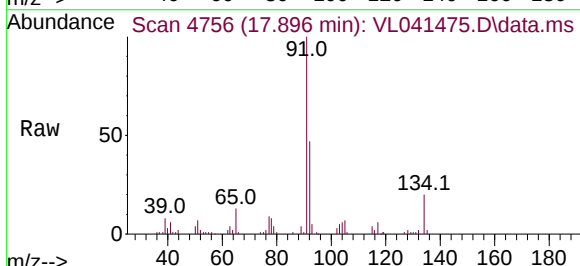
Tgt Ion: 91 Resp: 112104

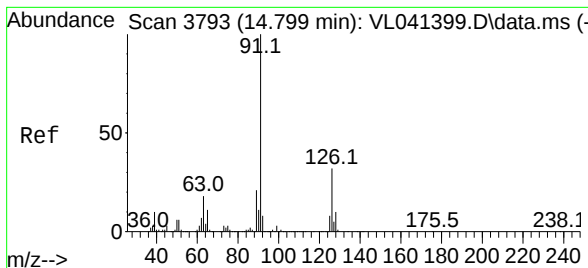
Ion Ratio Lower Upper

91 100

92 54.9 43.2 64.8

134 22.5 18.5 27.7

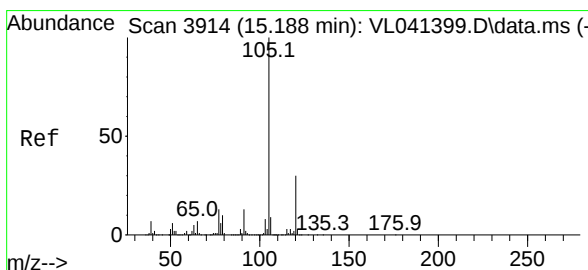
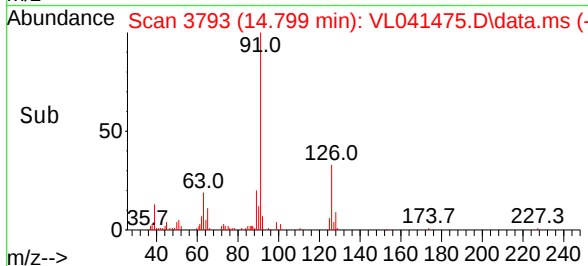
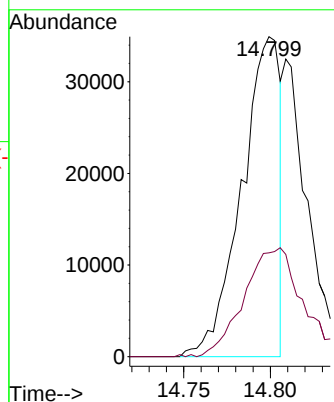
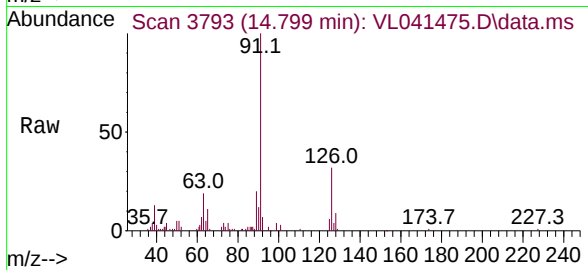




#71
2-Chlorotoluene
Concen: 0.244 ppbv
RT: 14.799 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

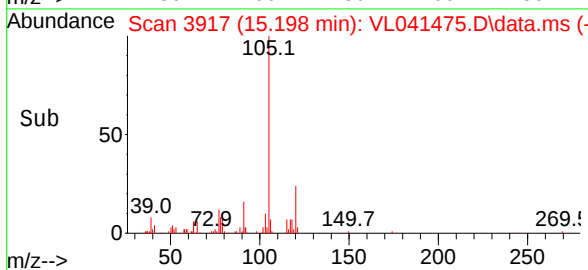
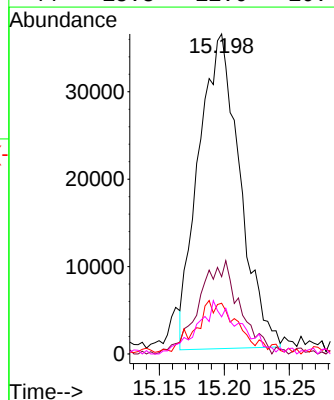
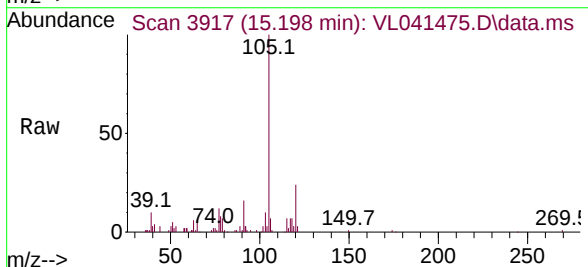
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2024

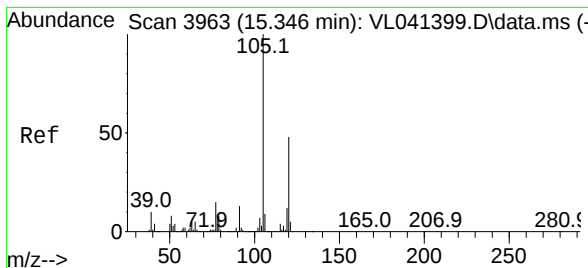
Tgt Ion: 91 Resp: 53826
Ion Ratio Lower Upper
91 100
126 0.0 12.7 50.9#



#72
4-Ethyltoluene
Concen: 0.343 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.006 min
Lab File: VL041475.D
Acq: 1 Aug 2024 12:49

Tgt Ion:105 Resp: 79296
Ion Ratio Lower Upper
105 100
120 30.4 24.2 36.2
91 17.4 10.4 15.6#
77 18.3 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.156 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

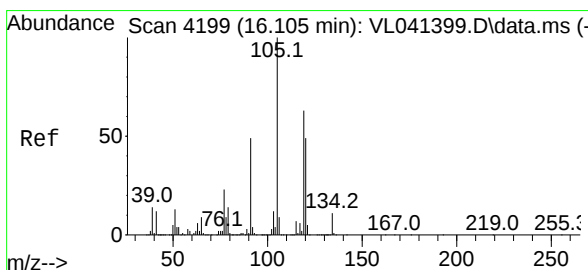
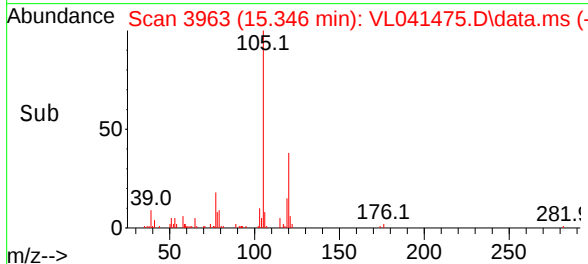
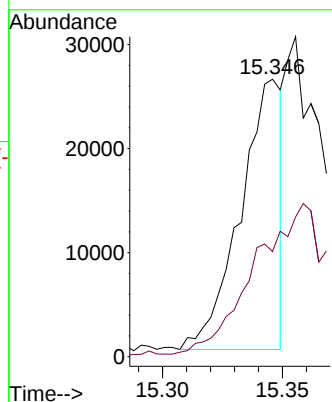
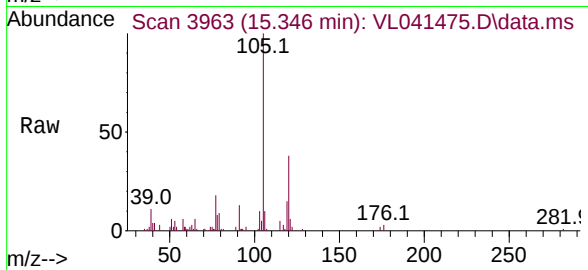
MDL-AIR-03-QT3-2024

Tgt Ion:105 Resp: 31005

Ion Ratio Lower Upper

105 100

120 37.3 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.398 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Tgt Ion:105 Resp: 92215

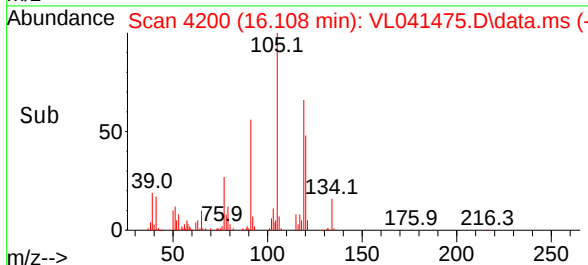
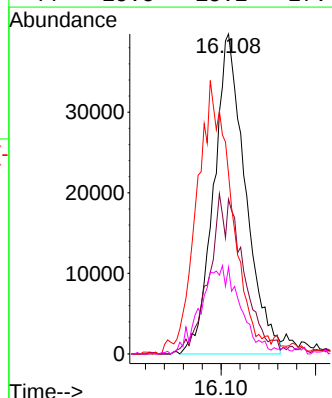
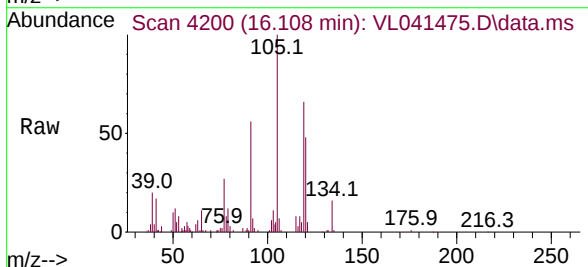
Ion Ratio Lower Upper

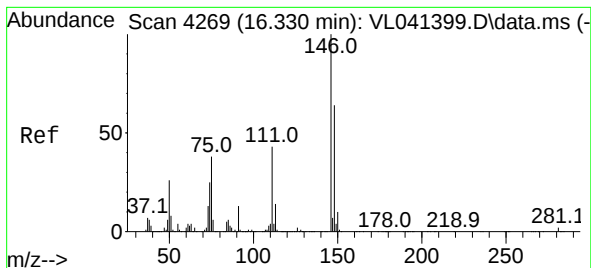
105 100

120 47.2 39.5 59.3

91 53.9 39.8 59.8

77 25.5 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.184 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

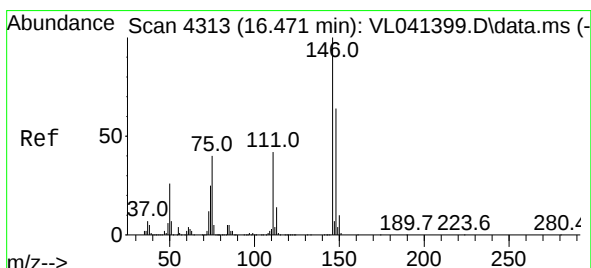
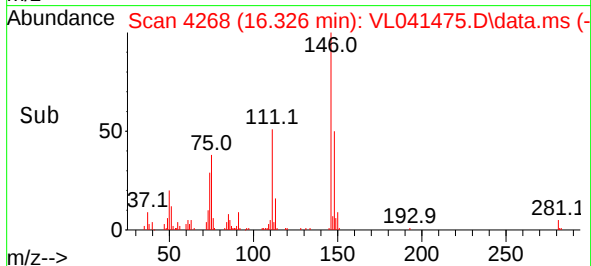
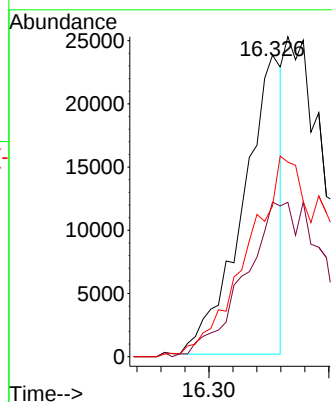
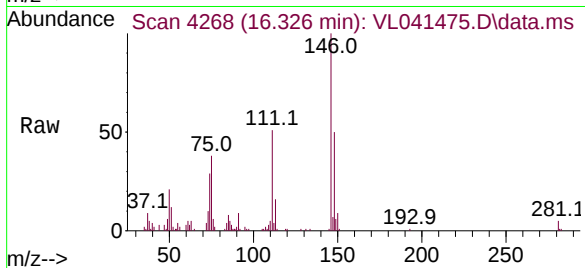
Tgt Ion:146 Resp: 26756

Ion Ratio Lower Upper

146 100

111 121.3 22.6 67.8#

148 0.0 32.3 96.8#



#76

1,4-Dichlorobenzene

Concen: 0.238 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

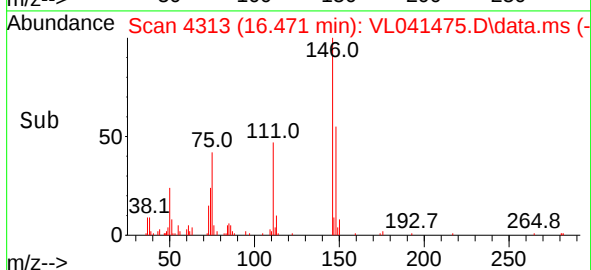
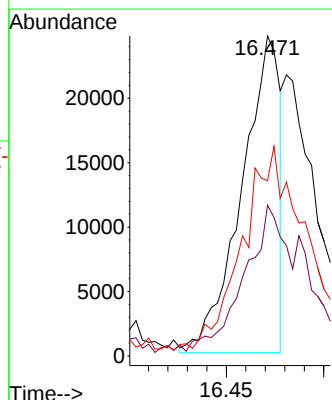
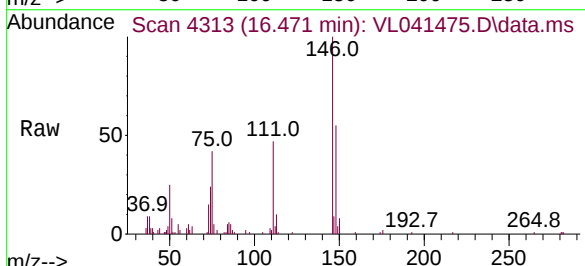
Tgt Ion:146 Resp: 33529

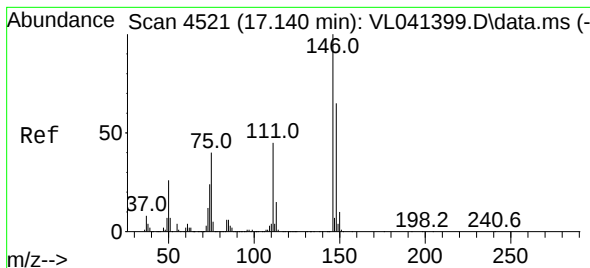
Ion Ratio Lower Upper

146 100

111 82.0 22.4 67.0#

148 130.0 33.1 99.5#





#77

1,2-Dichlorobenzene

Concen: 0.127 ppbv

RT: 17.137 min Scan# 4521

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

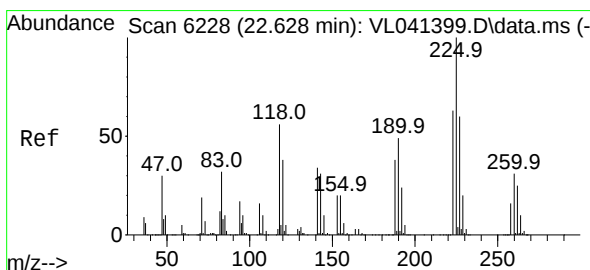
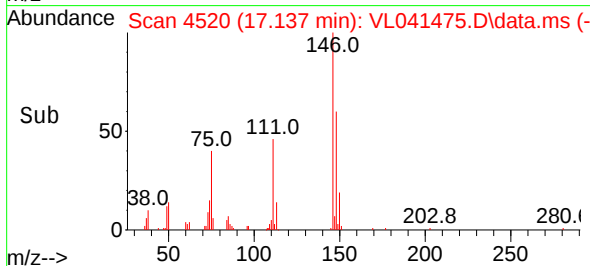
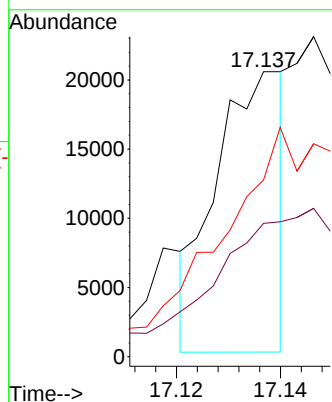
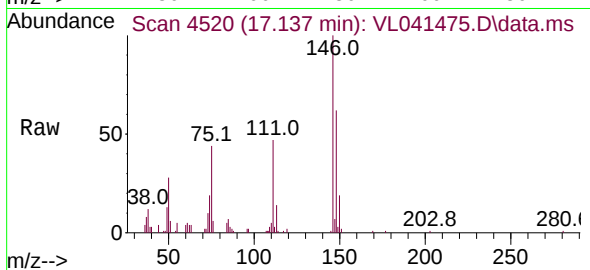
Tgt Ion:146 Resp: 18393

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.0#

148 234.3 32.2 96.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.282 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. 0.000 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

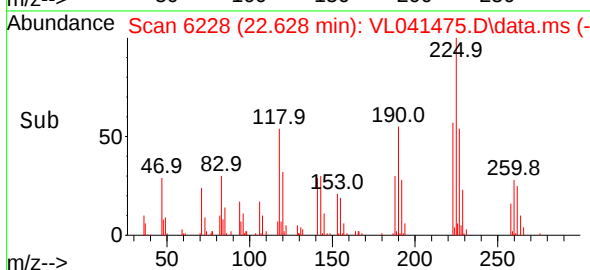
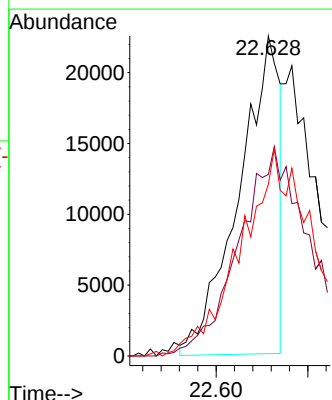
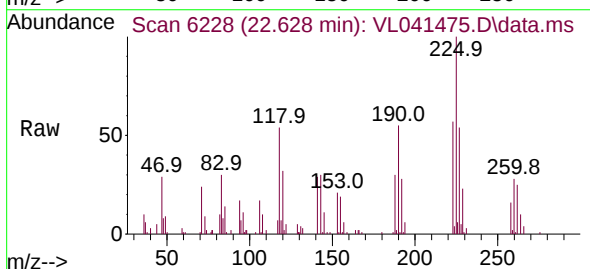
Tgt Ion:225 Resp: 34765

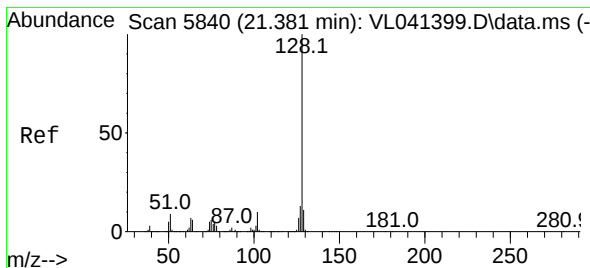
Ion Ratio Lower Upper

225 100

223 118.4 50.6 76.0#

227 117.8 50.8 76.2#





#79

Naphthalene

Concen: 0.073 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.003 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024

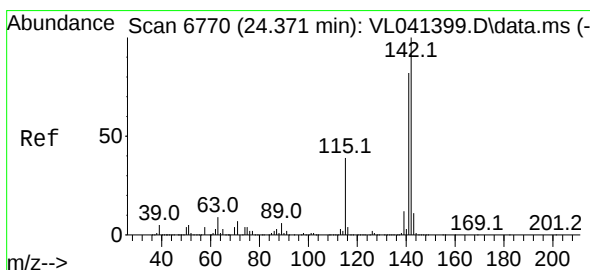
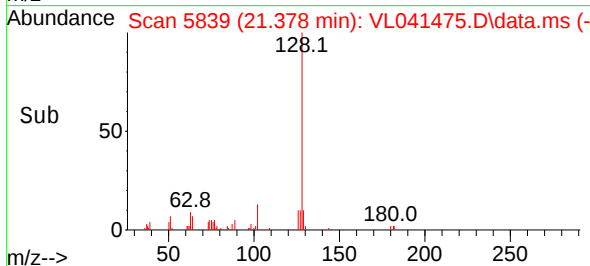
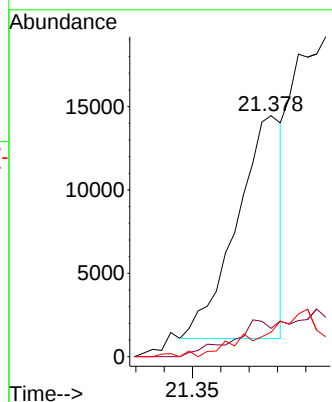
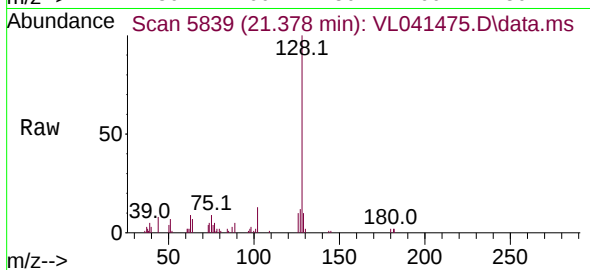
Tgt Ion:128 Resp: 14845

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.0 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 0.114 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. 0.010 min

Lab File: VL041475.D

Acq: 1 Aug 2024 12:49

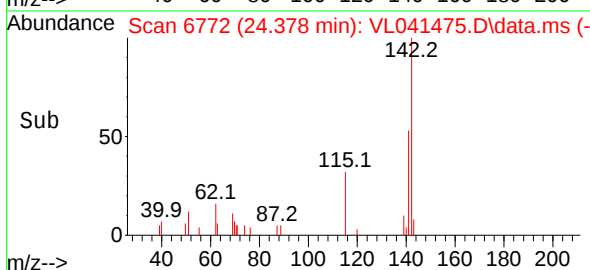
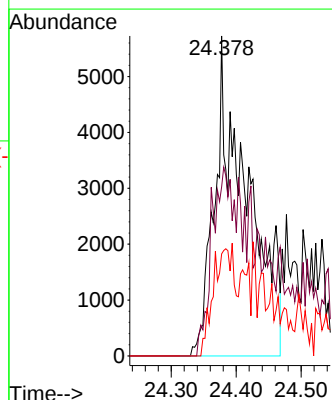
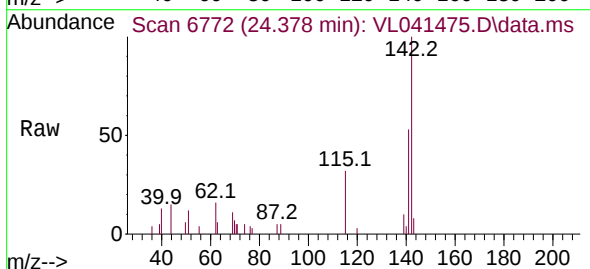
Tgt Ion:142 Resp: 19628

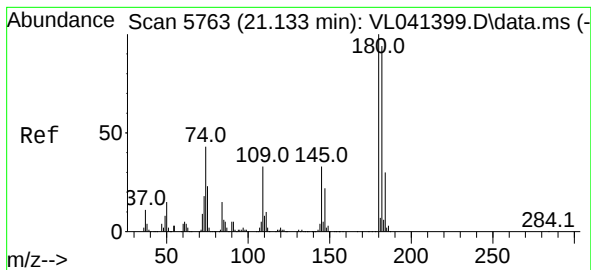
Ion Ratio Lower Upper

142 100

141 47.6 67.0 100.4#

115 21.8 32.2 48.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.144 ppbv

RT: 21.140 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041475.D

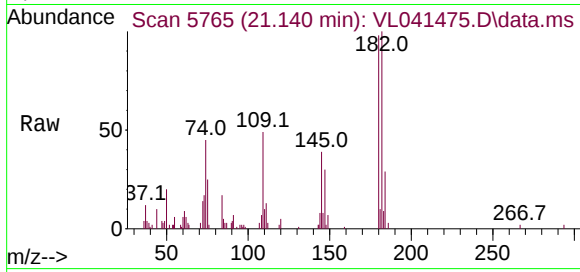
Acq: 1 Aug 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2024



Tgt Ion:180 Resp: 17568

Ion Ratio Lower Upper

180 100

182 0.0 76.7 115.1#

184 0.0 24.5 36.7#

