

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039708.D
 Acq On : 10 Oct 2022 22:52
 Operator : SY/AP
 Sample : N4955-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 11 07:23:08 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	1054162	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2737527	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2475539	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1818384	9.840	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	70558	0.577	ppbv	100
3) Chlorodifluoromethane	2.687	51	65517	0.524	ppbv	92
4) Chloromethane	2.828	50	39019	0.517	ppbv	92
5) Vinyl Chloride	2.931	62	33006m	0.525	ppbv	
6) Bromomethane	3.137	94	12096m	0.521	ppbv	
7) Chloroethane	3.208	64	13174m	0.572	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	74282	0.507	ppbv	100
9) Propene	2.706	41	31200	0.546	ppbv	91
10) Heptane	7.571	43	62913	0.472	ppbv	98
11) Trichlorofluoromethane	3.571	101	72555	0.479	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.073	101	52886	0.463	ppbv	97
13) Ethanol	3.269	45	5107m	1.173	ppbv	
14) Bromoethene	3.378	108	20633	0.452	ppbv #	88
15) Acetone	3.491	43	63425	0.541	ppbv	92
16) 1,3-Butadiene	2.999	39	26344	0.443	ppbv	91
17) tert-Butyl alcohol	3.902	59	47269	0.449	ppbv	99
18) 1,1-Dichloroethene	3.886	96	23434	0.466	ppbv	96
19) Isopropyl Alcohol	3.600	45	37194m	0.622	ppbv	
20) Methylene Chloride	3.941	84	29906	0.551	ppbv #	93
21) Allyl Chloride	4.002	41	35037	0.439	ppbv	91
22) trans-1,2-Dichloroethene	4.452	96	24123m	0.485	ppbv	
23) Vinyl Acetate	4.632	43	23578	0.445	ppbv #	89
24) 1,1-Dichloroethane	4.568	63	46857	0.444	ppbv #	89
25) Ethyl Acetate	5.211	43	119648	0.468	ppbv	97
26) Hexane	5.211	57	55114	0.508	ppbv	95
27) Carbon Disulfide	4.131	76	40457	0.355	ppbv #	84
28) Methyl tert-Butyl Ether	4.603	73	45798m	0.502	ppbv	
29) Chloroform	5.272	83	75513	0.482	ppbv	99
30) Cyclohexane	6.593	84	32835	0.391	ppbv #	83
31) cis-1,2-Dichloroethene	5.079	61	43998	0.448	ppbv	93
32) 1,1,1-Trichloroethane	6.005	97	64512m	0.455	ppbv	
34) 2-Butanone	4.803	43	51064	0.380	ppbv	91
35) Carbon Tetrachloride	6.487	117	60971	0.420	ppbv	94
36) Benzene	6.362	78	105990	0.506	ppbv	96
37) 1,2-Dichloroethane	5.799	62	53160m	0.467	ppbv	
38) Trichloroethene	7.282	130	56927	0.503	ppbv	95
39) 1,2-Dichloropropane	7.063	63	43333m	0.536	ppbv	
40) 1,4-Dioxane	7.311	88	16711m	0.506	ppbv	
41) Tetrahydrofuran	5.584	42	33783	0.410	ppbv	92
42) Bromodichloromethane	7.240	83	66965m	0.423	ppbv	
43) Methyl Methacrylate	7.481	69	32674m	0.428	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	176302	0.489	ppbv	98
45) t-1,3-Dichloropropene	8.703	75	18961m	0.294	ppbv	

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

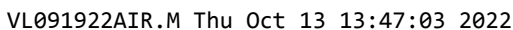
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

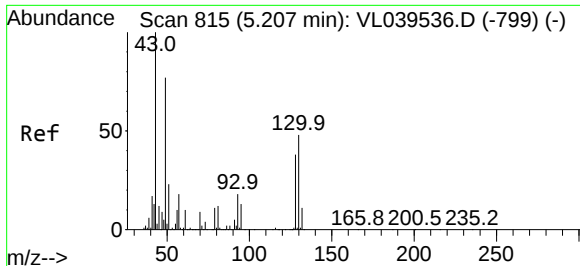
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	29326m	0.320	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	38737	0.439	ppbv	95
48) Dibromochloromethane	9.690	129	47452m	0.357	ppbv	
49) Bromoform	12.387	173	34829m	0.317	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	83940	0.397	ppbv	97
51) 2-Hexanone	9.558	43	63956m	0.409	ppbv	
52) Tetrachloroethene	10.606	164	37092	0.465	ppbv	88
53) Toluene	9.211	91	97403m	0.418	ppbv	
54) 1,2-Dibromoethane	9.992	107	39781	0.421	ppbv #	78
56) 1,1,1,2-Tetrachloroethane	11.497	131	42882m	0.429	ppbv	
57) Chlorobenzene	11.510	112	99012m	0.544	ppbv	
58) Ethyl Benzene	12.076	91	121834m	0.427	ppbv	
59) m/p-Xylene	12.359	91	215971m	0.850	ppbv	
60) o-Xylene	13.040	91	104753	0.432	ppbv	99
61) Styrene	12.886	104	44530m	0.341	ppbv	
62) Isopropylbenzene	14.014	105	171510	0.470	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	52196m	0.539	ppbv	
64) n-propylbenzene	14.902	120	40134m	0.429	ppbv	
65) tert-Butylbenzene	16.079	119	150215	0.466	ppbv	97
66) Benzyl Chloride	16.310	91	10310m	0.402	ppbv	
67) sec-Butylbenzene	16.622	105	196778	0.435	ppbv	100
69) p-Isopropyltoluene	16.982	119	145718	0.392	ppbv	92
70) n-Butylbenzene	17.876	91	162373m	0.446	ppbv	
71) 2-Chlorotoluene	14.786	91	116246m	0.441	ppbv	
72) 4-Ethyltoluene	15.178	105	126997m	0.459	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	115595m	0.456	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	127688	0.450	ppbv #	96
75) 1,3-Dichlorobenzene	16.317	146	72947	0.430	ppbv	88
76) 1,4-Dichlorobenzene	16.461	146	82807m	0.488	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	84768m	0.513	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	57134	0.452	ppbv #	82
79) Naphthalene	21.374	128	76582m	0.409	ppbv	
80) Naphthalene,2-methyl-	24.368	142	18687	0.265	ppbv	89
81) 1,2,4-Trichlorobenzene	21.127	180	54225m	0.440	ppbv	

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

Quant Time: Oct 11 07:23:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

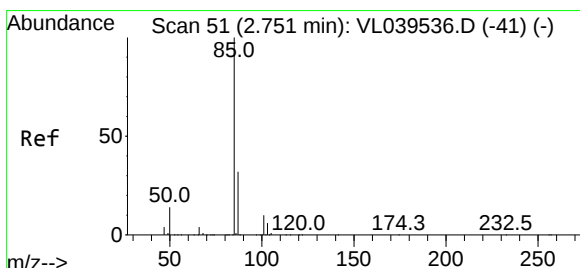
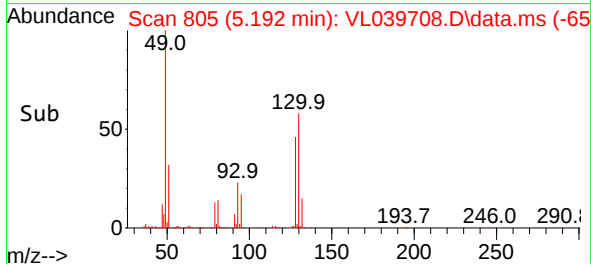
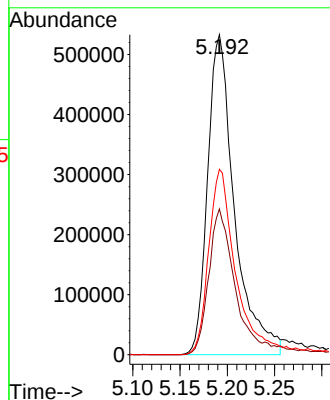
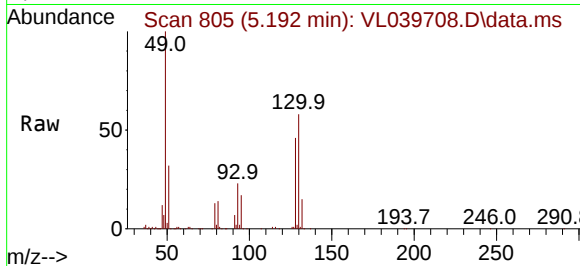




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.015 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

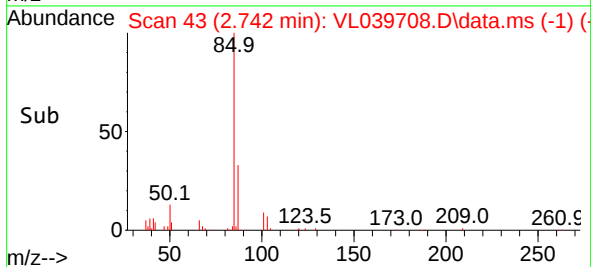
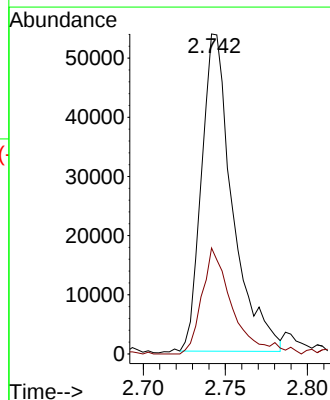
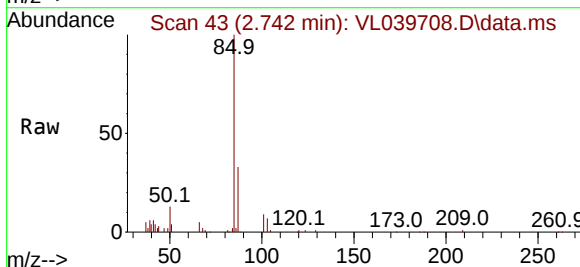
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

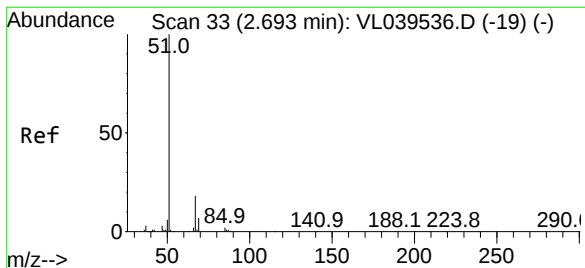
Tgt Ion: 49 Resp: 1054162
 Ion Ratio Lower Upper
 49 100
 128 47.8 26.7 80.0
 130 62.1 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.577 ppbv
 RT: 2.742 min Scan# 43
 Delta R.T. -0.009 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion: 85 Resp: 70558
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.7 40.1

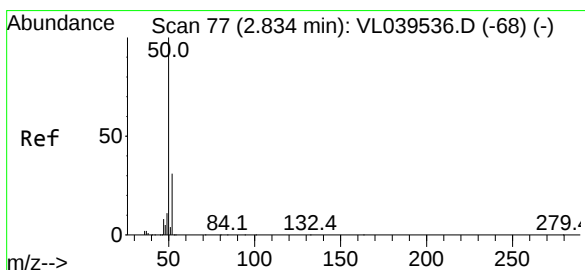
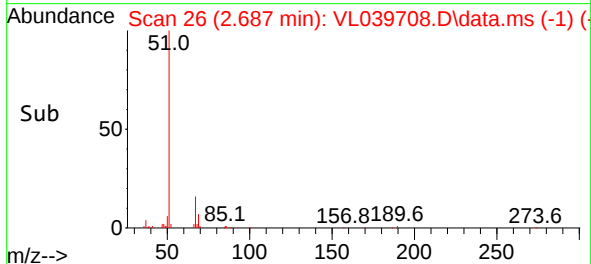
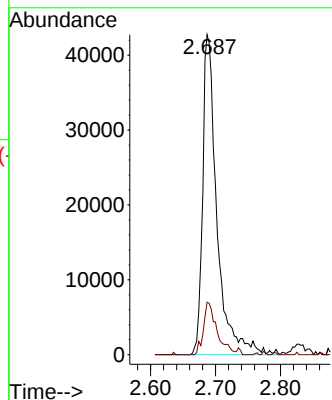
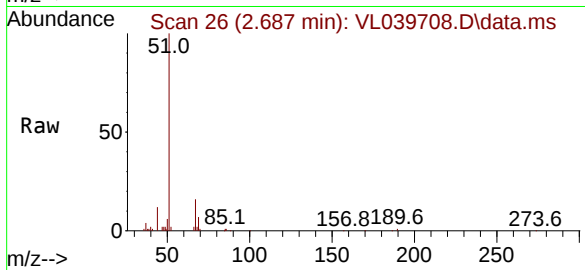




#3
Chlorodifluoromethane
Concen: 0.524 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

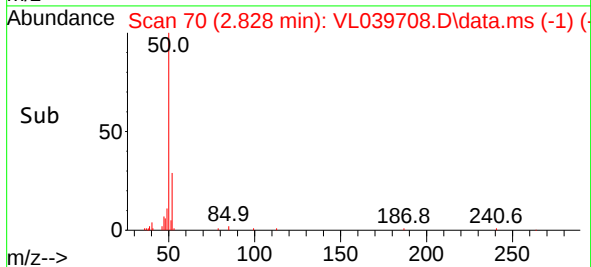
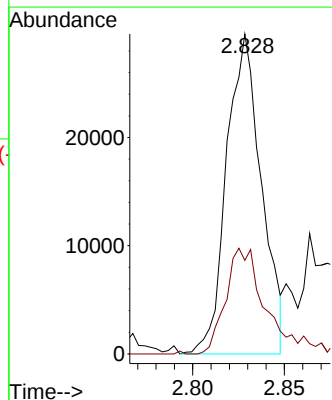
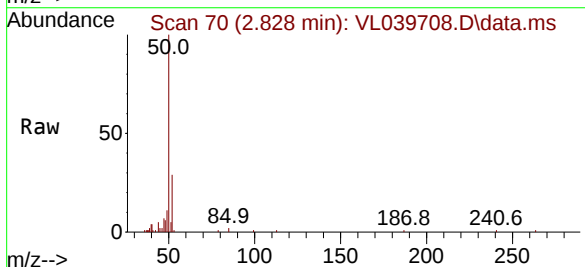
Instrument :
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ClientSampleId :
MDL-AIR-03-QT4-2022DL

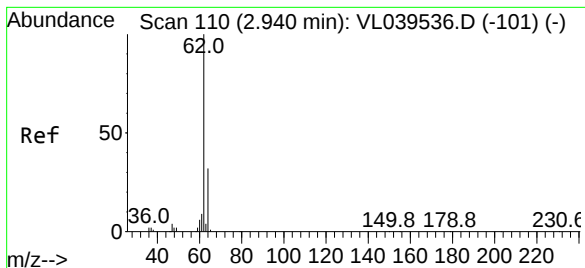
Tgt Ion: 51 Resp: 65517
Ion Ratio Lower Upper
51 100
67 16.0 15.7 23.5



#4
Chloromethane
Concen: 0.517 ppbv
RT: 2.828 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 50 Resp: 39019
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7

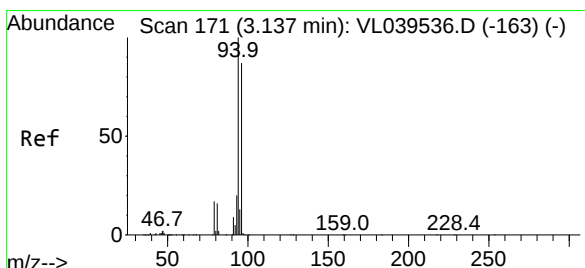
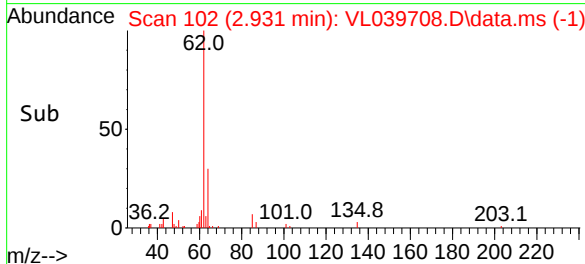
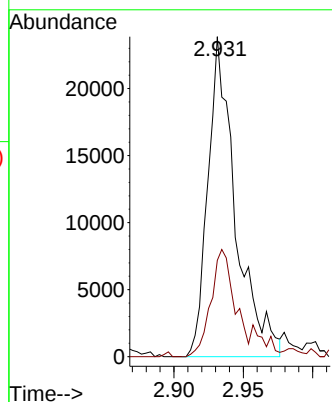
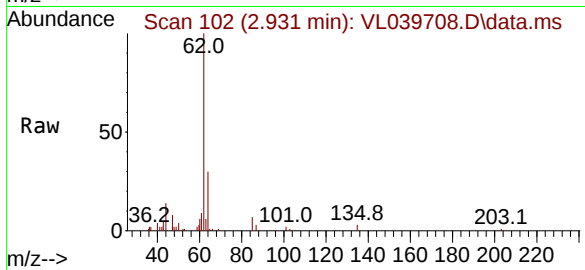




#5
 Vinyl Chloride
 Concen: 0.525 ppbv m
 RT: 2.931 min Scan# 110
 Delta R.T. -0.009 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

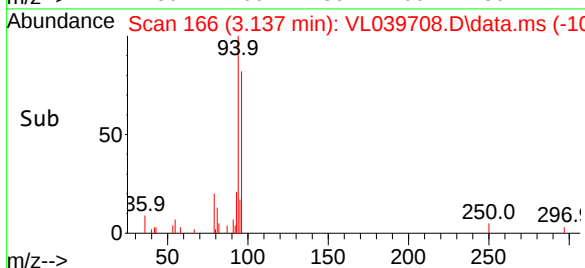
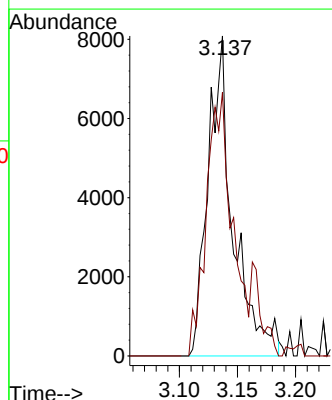
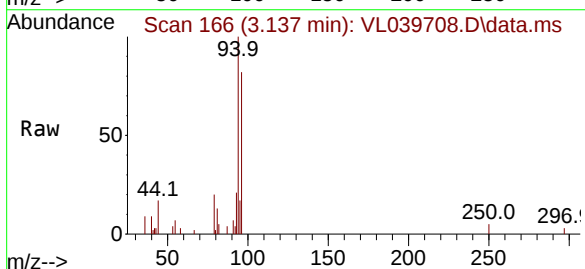
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

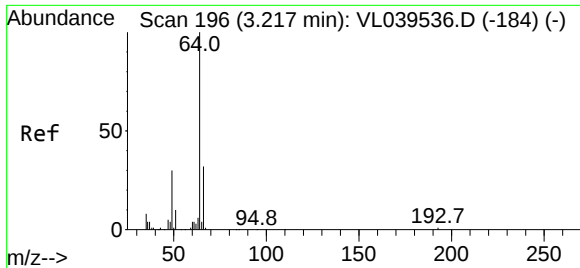
Tgt Ion: 62 Resp: 33006
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.6 36.8



#6
 Bromomethane
 Concen: 0.521 ppbv m
 RT: 3.137 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion: 94 Resp: 12096
 Ion Ratio Lower Upper
 94 100
 96 82.3 75.6 113.4

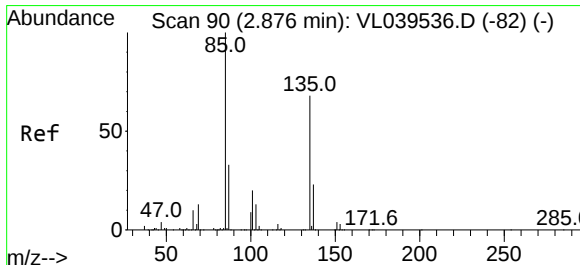
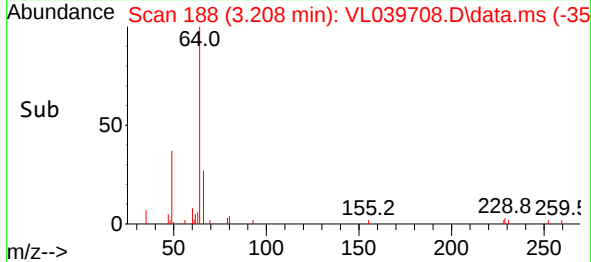
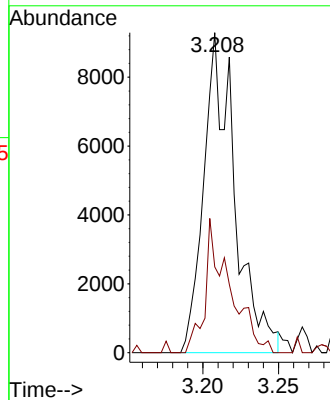
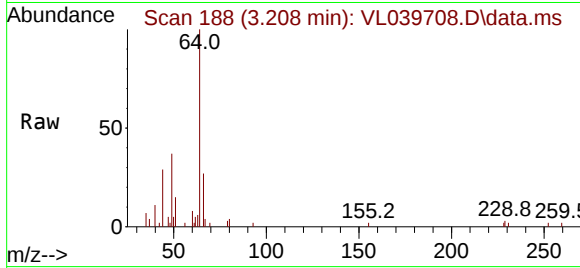




#7
Chloroethane
Concen: 0.572 ppbv m
RT: 3.208 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

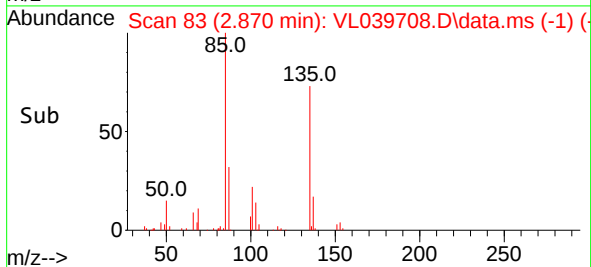
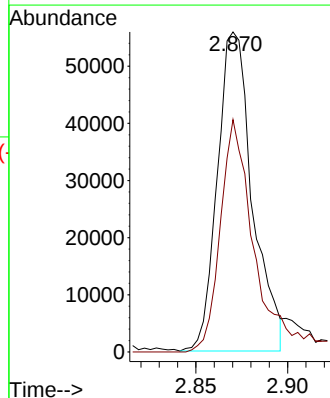
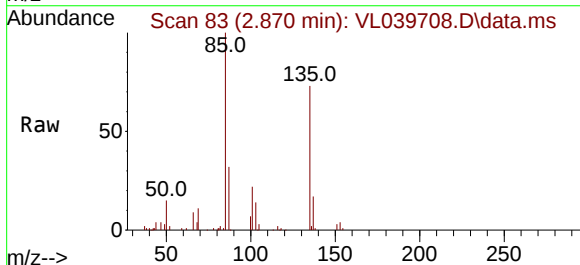
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

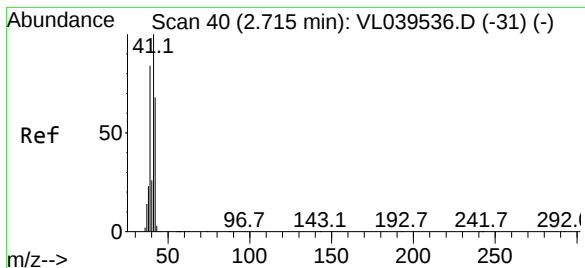
Tgt Ion: 64 Resp: 13174
Ion Ratio Lower Upper
64 100
66 26.8 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 0.507 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 85 Resp: 74282
Ion Ratio Lower Upper
85 100
135 73.9 59.0 88.4





#9

Propene

Concen: 0.546 ppbv

RT: 2.706 min Scan# 31

Delta R.T. -0.009 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

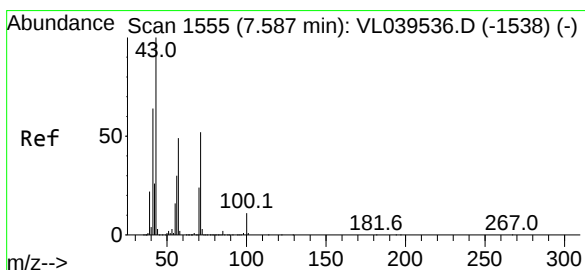
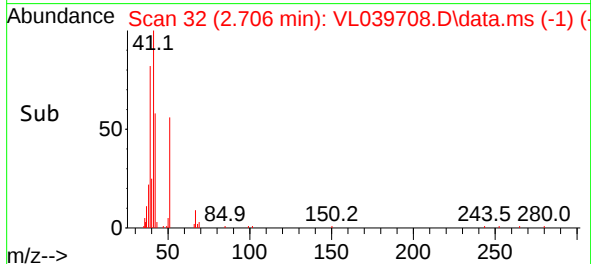
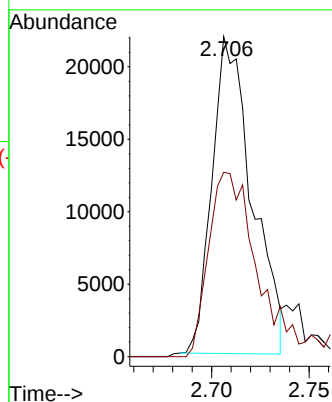
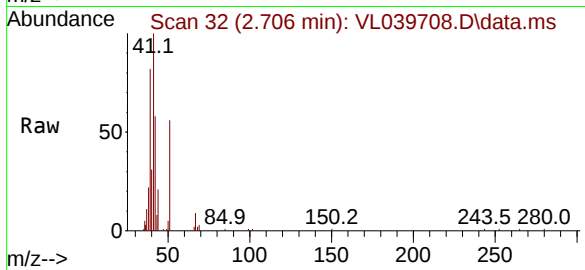
MDL-AIR-03-QT4-2022DL

Tgt Ion: 41 Resp: 31200

Ion Ratio Lower Upper

41 100

42 76.3 55.2 82.8



#10

Heptane

Concen: 0.472 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.016 min

Lab File: VL039708.D

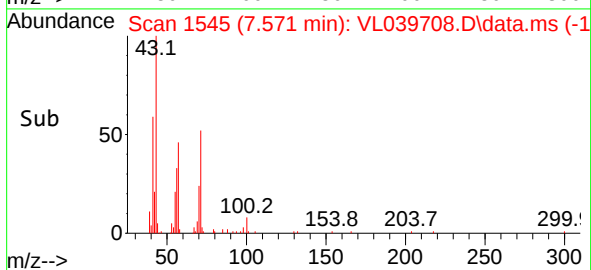
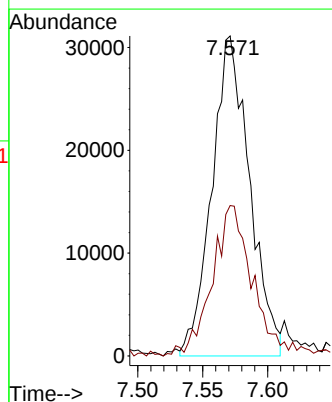
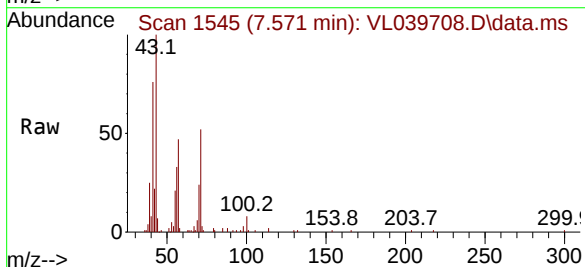
Acq: 10 Oct 2022 22:52

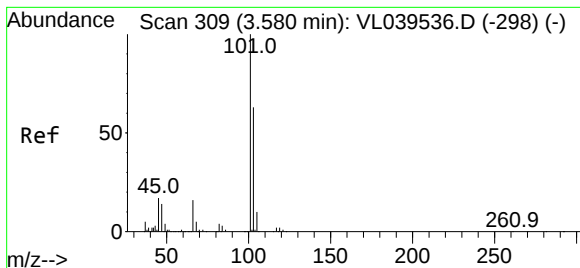
Tgt Ion: 43 Resp: 62913

Ion Ratio Lower Upper

43 100

57 52.0 40.5 60.7

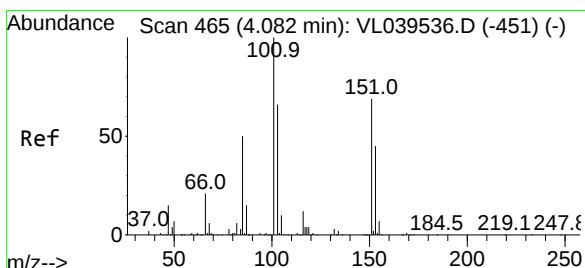
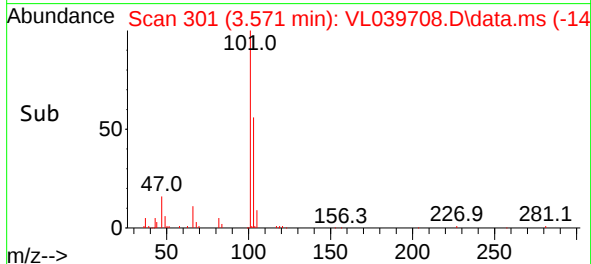
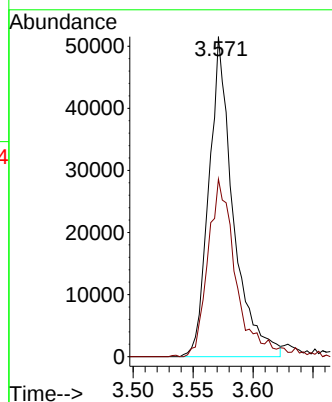
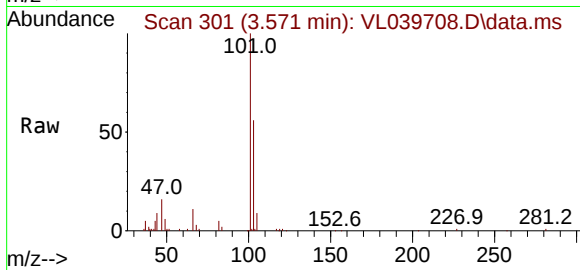




#11
 Trichlorofluoromethane
 Concen: 0.479 ppbv
 RT: 3.571 min Scan# 309
 Delta R.T. -0.009 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

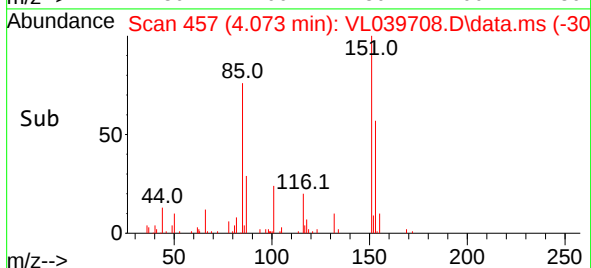
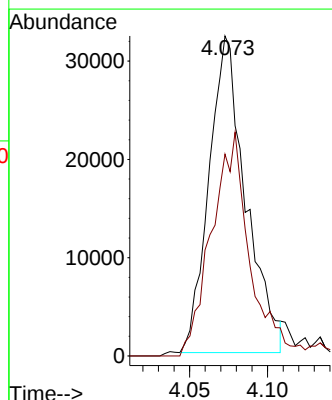
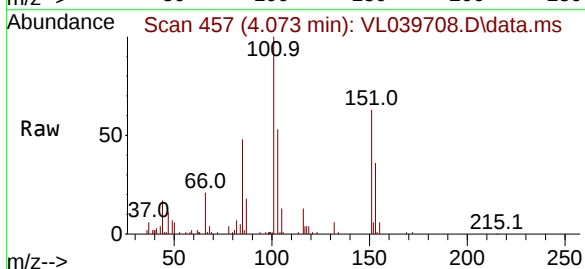
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

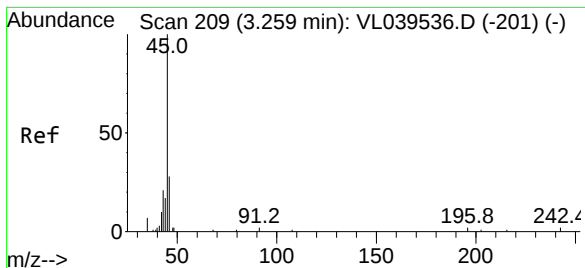
Tgt Ion:101 Resp: 72555
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.463 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. -0.009 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion:101 Resp: 52886
 Ion Ratio Lower Upper
 101 100
 151 76.5 58.9 88.3





#13

Ethanol

Concen: 1.173 ppbv

RT: 3.269 min Scan# 209

Delta R.T. 0.010 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

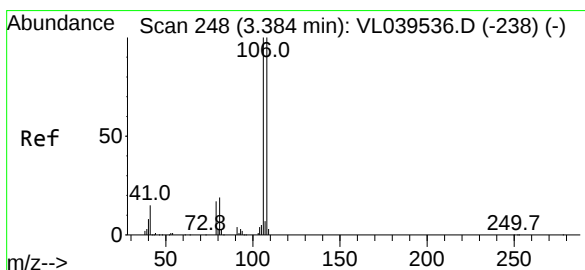
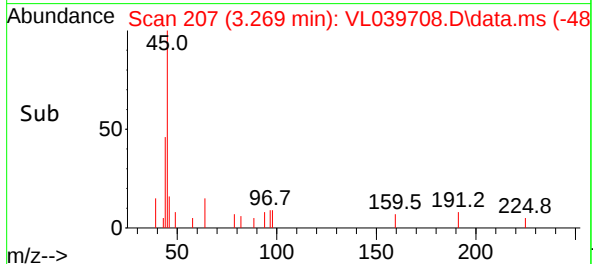
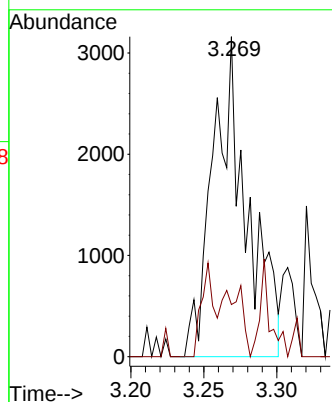
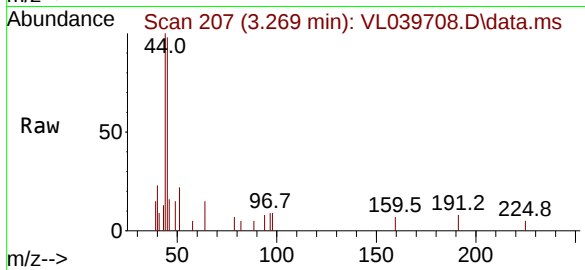
MDL-AIR-03-QT4-2022DL

Tgt Ion: 45 Resp: 5107

Ion Ratio Lower Upper

45 100

46 24.1 22.8 91.2



#14

Bromoethene

Concen: 0.452 ppbv

RT: 3.378 min Scan# 241

Delta R.T. -0.006 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

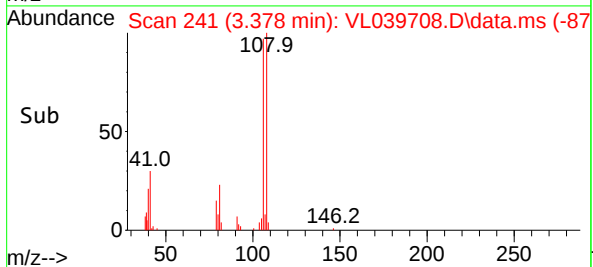
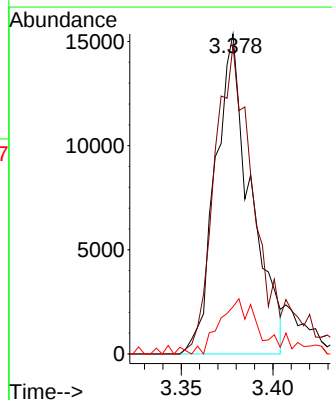
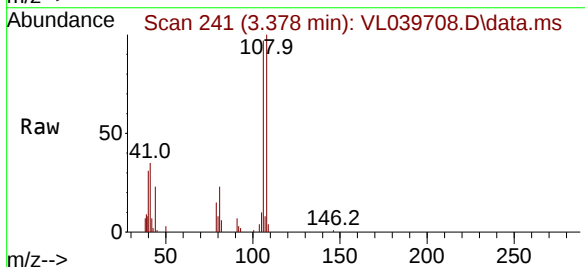
Tgt Ion: 108 Resp: 20633

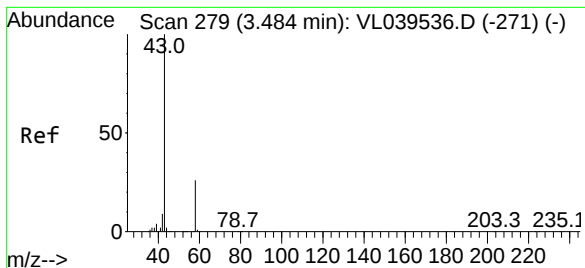
Ion Ratio Lower Upper

108 100

106 121.4 87.1 130.7

79 22.4 14.6 22.0#





#15

Acetone

Concen: 0.541 ppbv

RT: 3.491 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

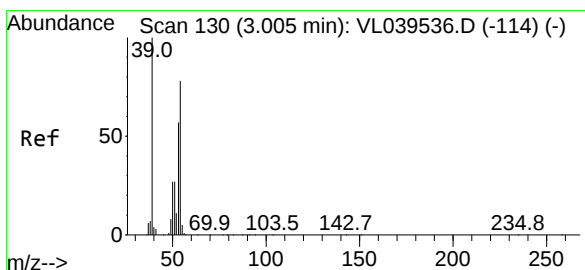
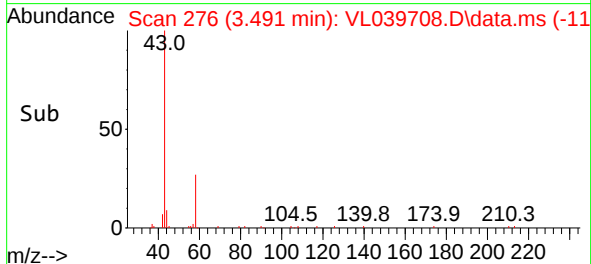
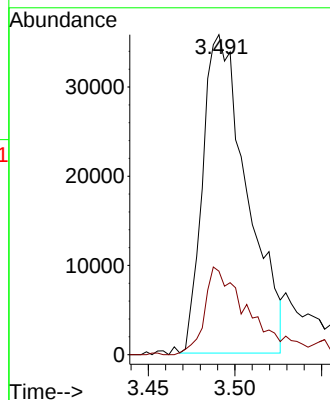
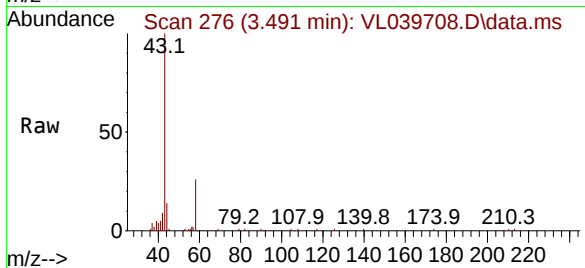
MDL-AIR-03-QT4-2022DL

Tgt Ion: 43 Resp: 63425

Ion Ratio Lower Upper

43 100

58 30.2 21.0 31.6



#16

1,3-Butadiene

Concen: 0.443 ppbv

RT: 2.999 min Scan# 123

Delta R.T. -0.006 min

Lab File: VL039708.D

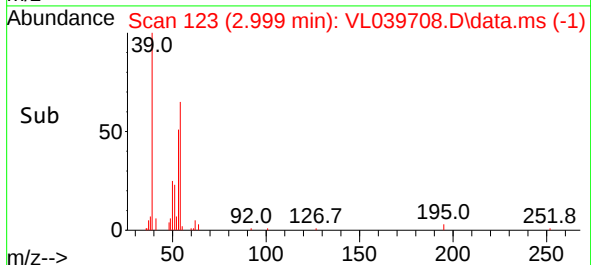
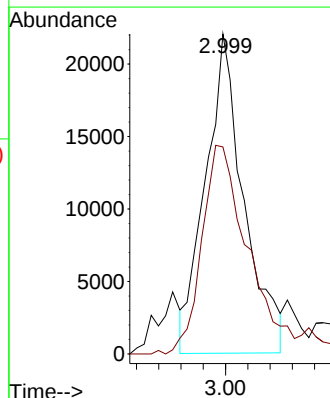
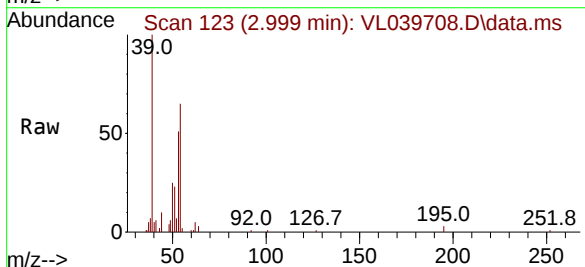
Acq: 10 Oct 2022 22:52

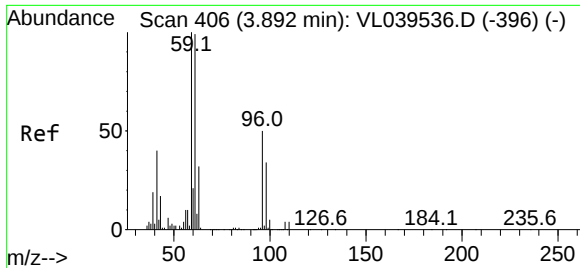
Tgt Ion: 39 Resp: 26344

Ion Ratio Lower Upper

39 100

54 87.9 63.7 95.5





#17

tert-Butyl alcohol

Concen: 0.449 ppbv

RT: 3.902 min Scan# 406

Delta R.T. 0.010 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

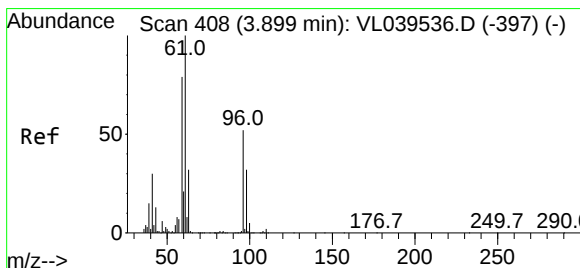
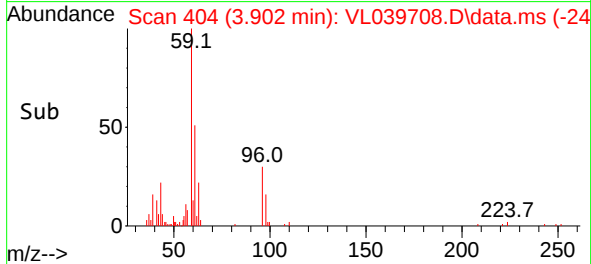
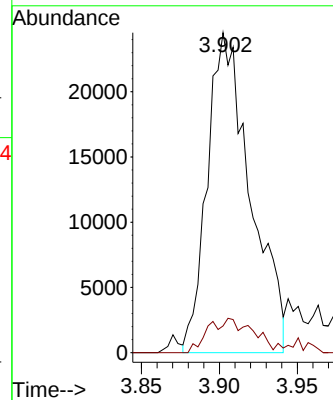
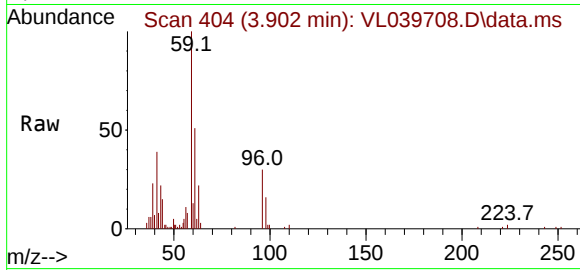
MDL-AIR-03-QT4-2022DL

Tgt Ion: 59 Resp: 47269

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 0.466 ppbv

RT: 3.886 min Scan# 399

Delta R.T. -0.012 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

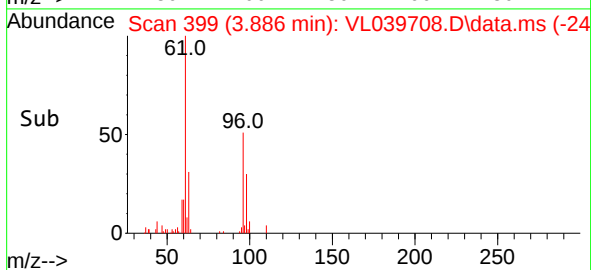
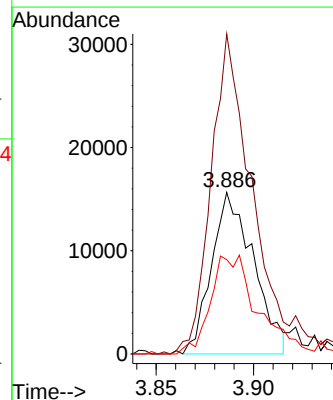
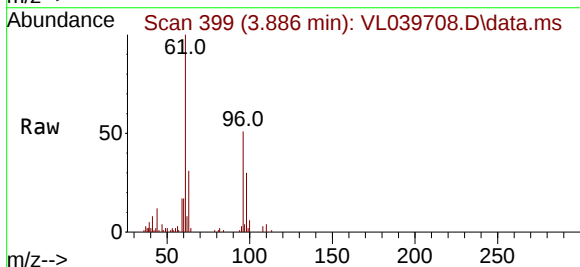
Tgt Ion: 96 Resp: 23434

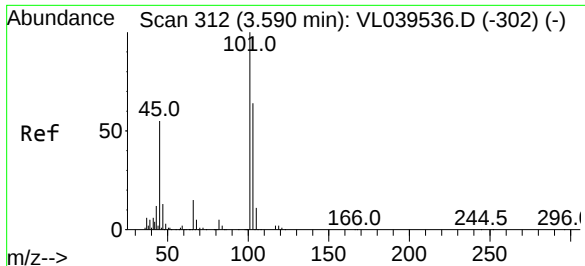
Ion Ratio Lower Upper

96 100

61 189.1 152.2 228.4

98 54.9 51.8 77.6

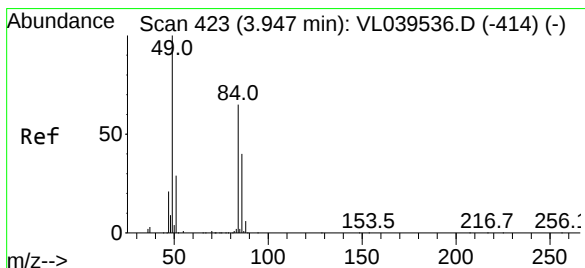
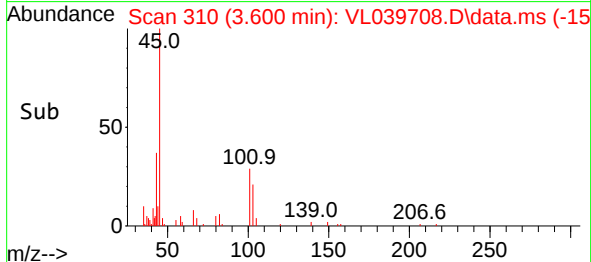
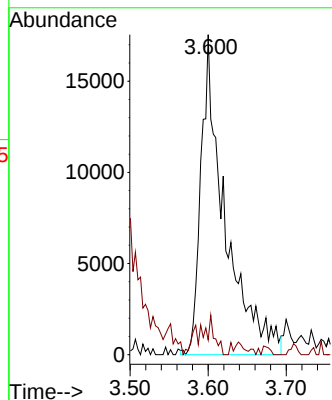
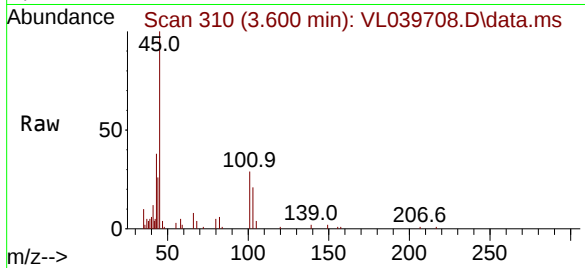




#19
Isopropyl Alcohol
Concen: 0.622 ppbv m
RT: 3.600 min Scan# 312
Delta R.T. 0.010 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

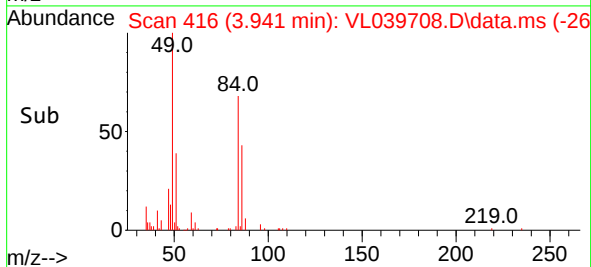
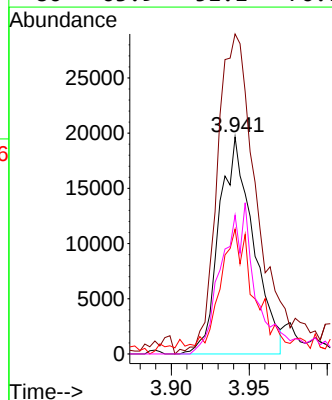
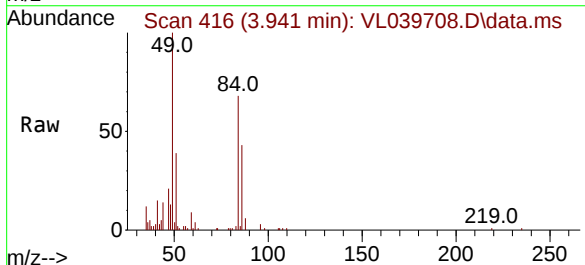
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

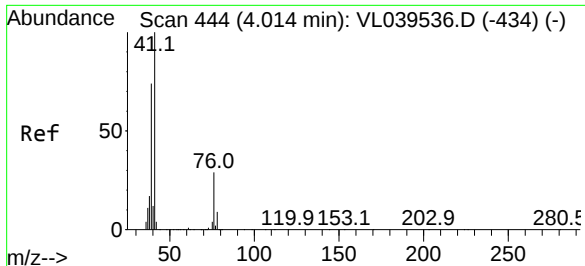
Tgt Ion: 45 Resp: 37194
Ion Ratio Lower Upper
45 100
58 7.5 3.2 4.8#



#20
Methylene Chloride
Concen: 0.551 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.006 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 84 Resp: 29906
Ion Ratio Lower Upper
84 100
49 145.4 123.1 184.7
51 54.3 34.4 51.6#
86 63.9 51.1 76.7

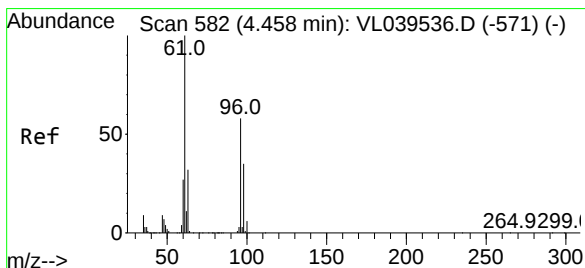
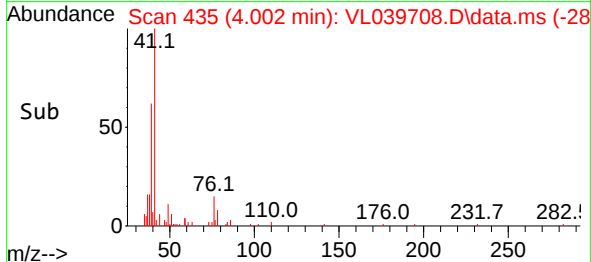
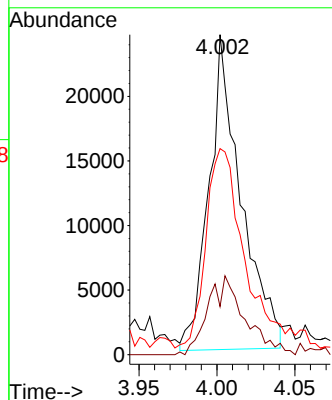
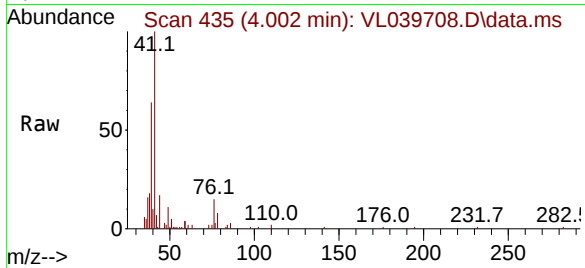




#21
 Allyl Chloride
 Concen: 0.439 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

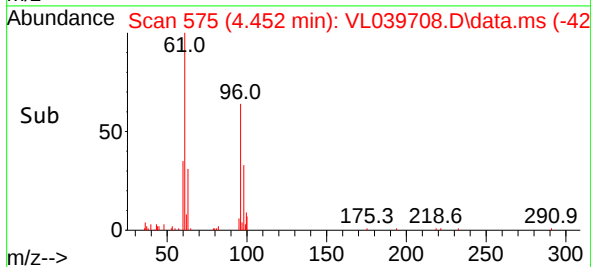
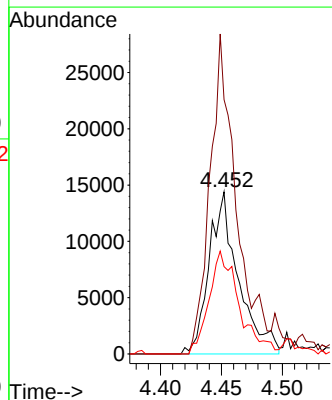
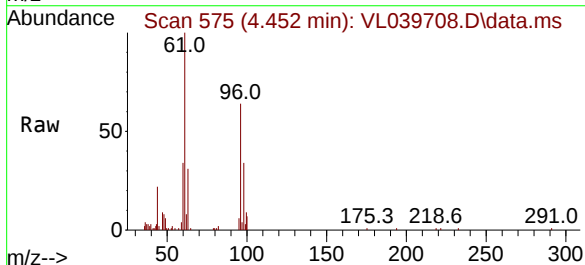
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

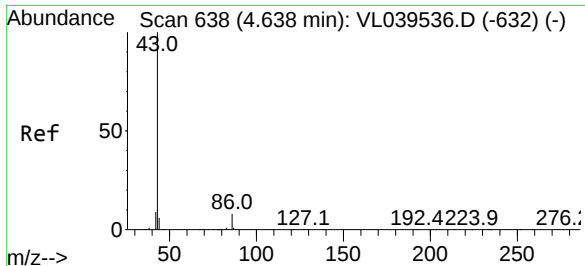
Tgt Ion:	41	Resp:	35037
Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.4	36.6
39	90.5	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 0.485 ppbv m
 RT: 4.452 min Scan# 575
 Delta R.T. -0.006 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion:	96	Resp:	24123
Ion	Ratio	Lower	Upper
96	100		
61	156.9	130.6	195.8
98	53.9	53.4	80.0

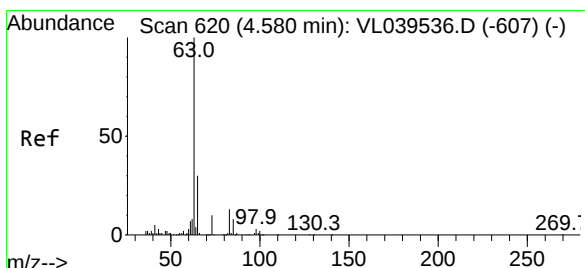
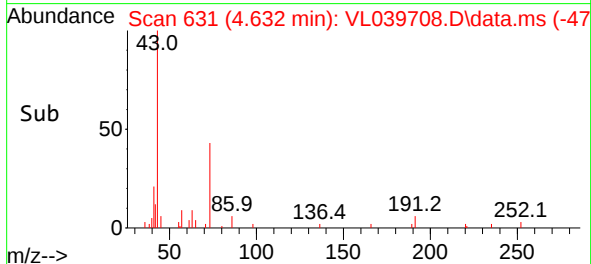
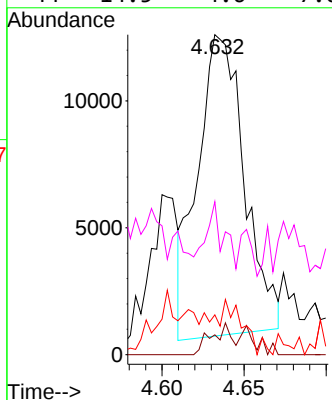
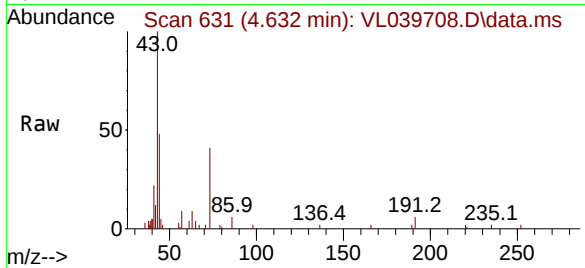




#23
 Vinyl Acetate
 Concen: 0.445 ppbv
 RT: 4.632 min Scan# 611
 Delta R.T. -0.006 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

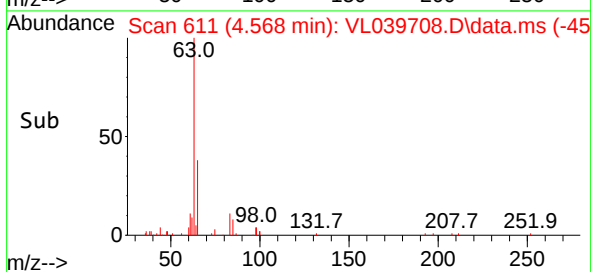
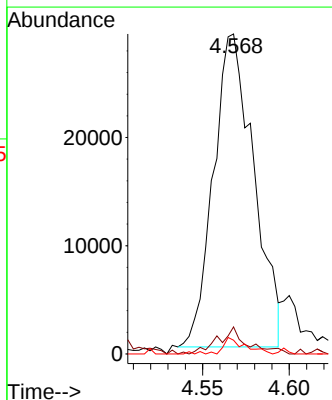
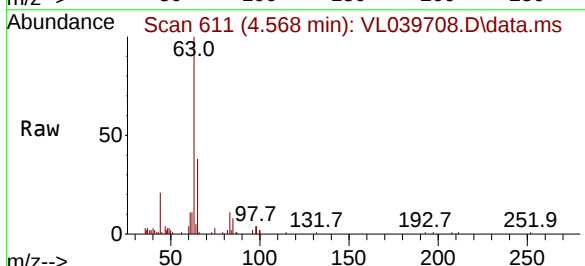
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

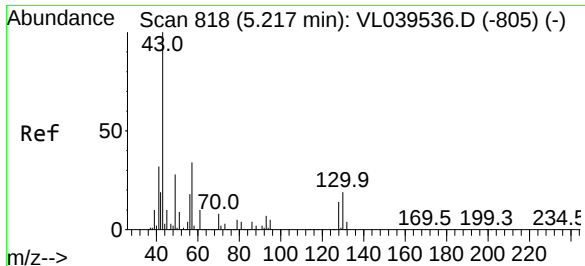
Tgt Ion:	43	Resp:	23578
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.6
42	7.1	7.7	11.5#
44	14.5	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.444 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. -0.012 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion:	63	Resp:	46857
Ion	Ratio	Lower	Upper
63	100		
98	8.6	1.8	5.3#
100	4.4	1.5	4.4#





#25

Ethyl Acetate

Concen: 0.468 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.006 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion: 43 Resp: 119648

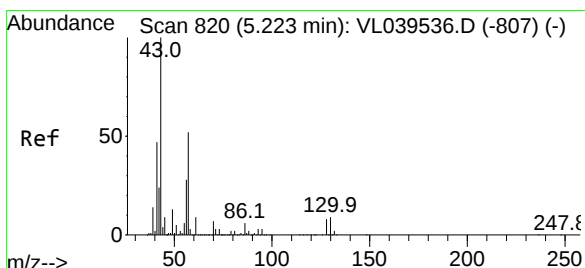
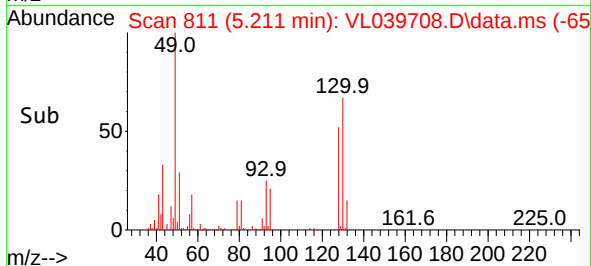
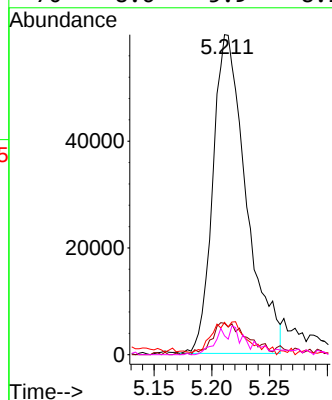
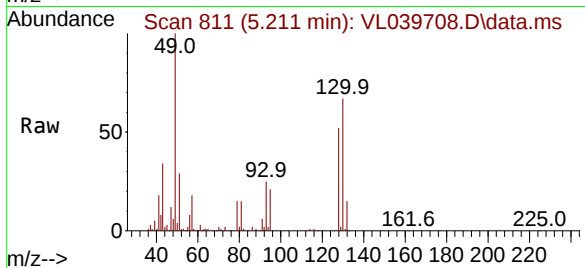
Ion Ratio Lower Upper

43 100

45 11.4 8.2 12.4

61 11.7 8.3 12.5

70 8.6 5.9 8.9



#26

Hexane

Concen: 0.508 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.012 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Tgt Ion: 57 Resp: 55114

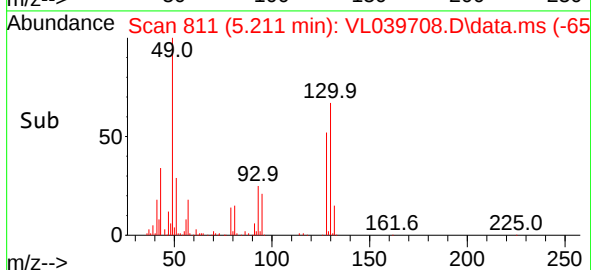
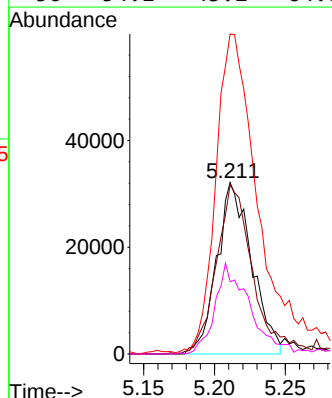
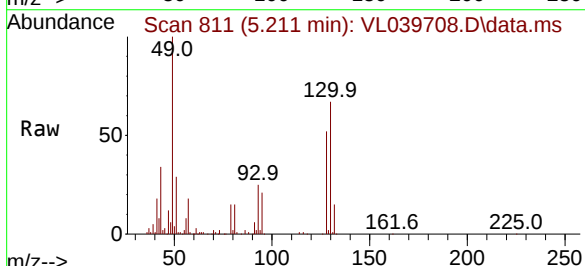
Ion Ratio Lower Upper

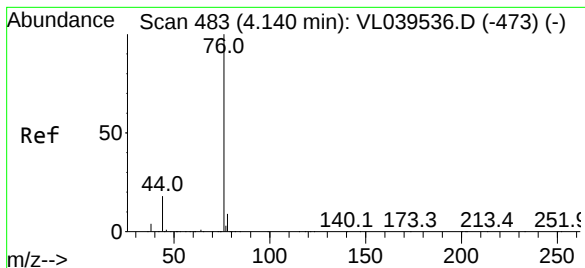
57 100

41 108.2 76.9 115.3

43 245.4 191.0 286.6

56 54.1 43.2 64.8





#27

Carbon Disulfide

Concen: 0.355 ppbv

RT: 4.131 min Scan# 41

Delta R.T. -0.009 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

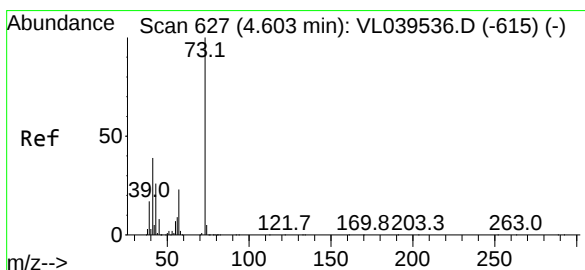
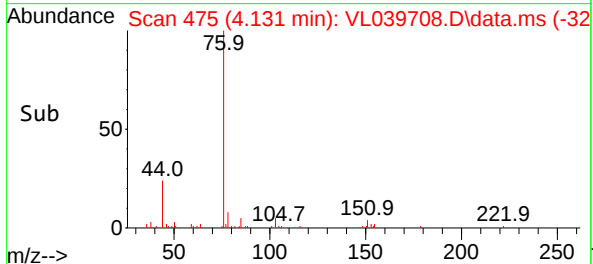
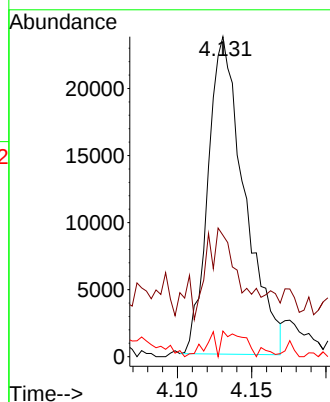
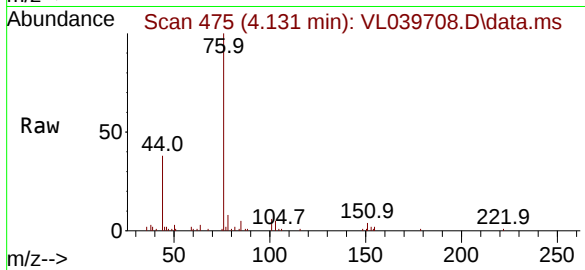
Tgt Ion: 76 Resp: 40457

Ion Ratio Lower Upper

76 100

44 27.9 14.6 21.8#

78 7.8 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 0.502 ppbv m

RT: 4.603 min Scan# 622

Delta R.T. 0.001 min

Lab File: VL039708.D

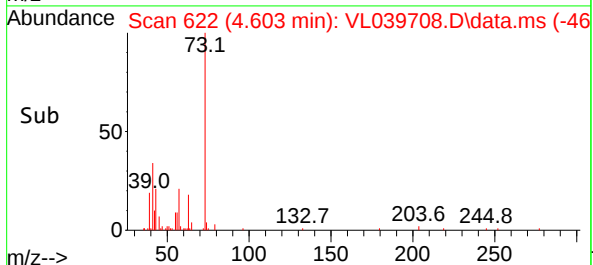
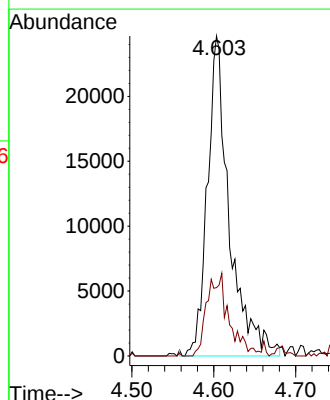
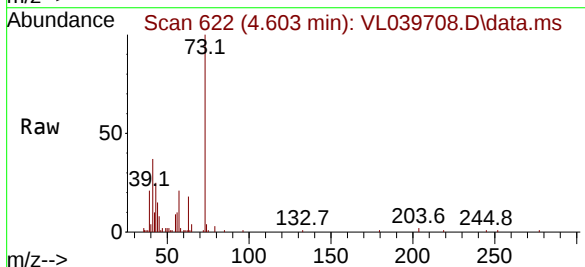
Acq: 10 Oct 2022 22:52

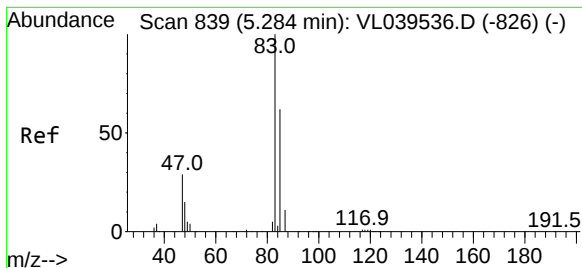
Tgt Ion: 73 Resp: 45798

Ion Ratio Lower Upper

73 100

57 25.7 19.8 29.8





#29

Chloroform

Concen: 0.482 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.012 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

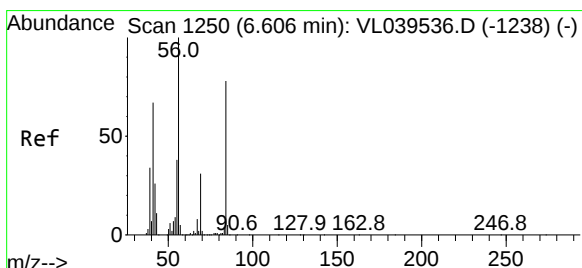
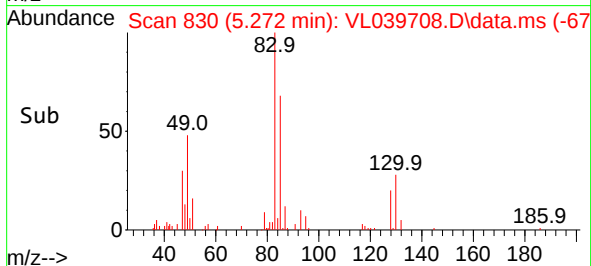
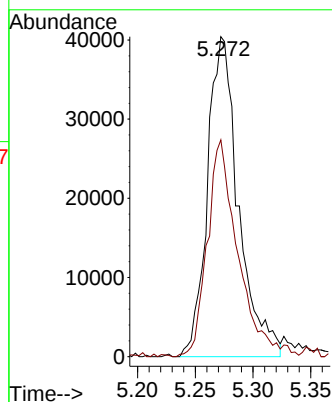
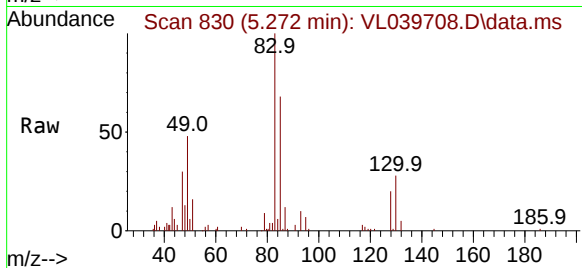
MDL-AIR-03-QT4-2022DL

Tgt Ion: 83 Resp: 75513

Ion Ratio Lower Upper

83 100

85 67.0 52.8 79.2



#30

Cyclohexane

Concen: 0.391 ppbv

RT: 6.593 min Scan# 1241

Delta R.T. -0.012 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

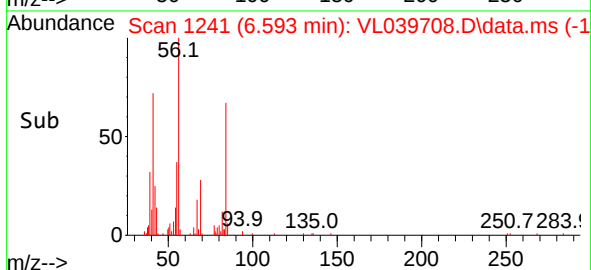
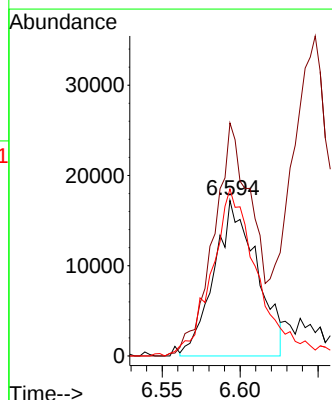
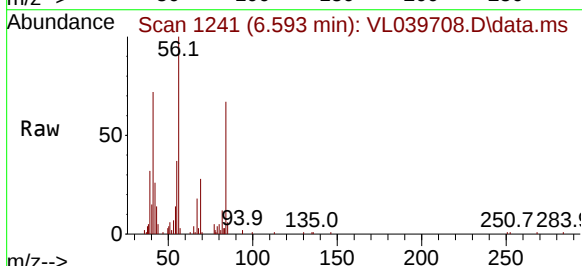
Tgt Ion: 84 Resp: 32835

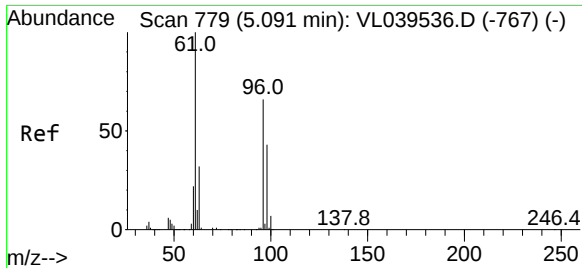
Ion Ratio Lower Upper

84 100

56 140.1 107.7 161.5

41 118.0 67.7 101.5

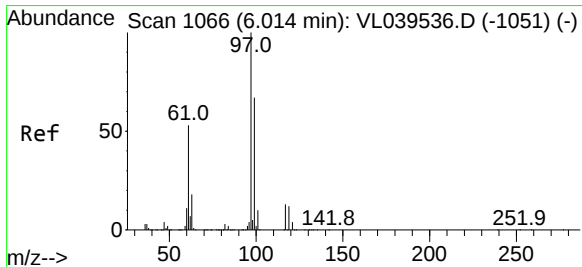
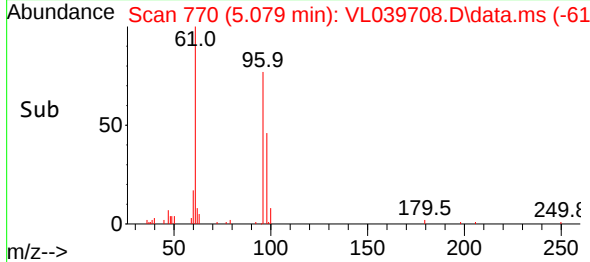
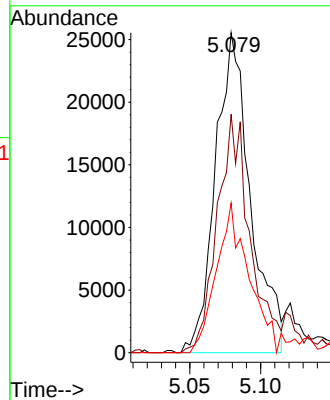
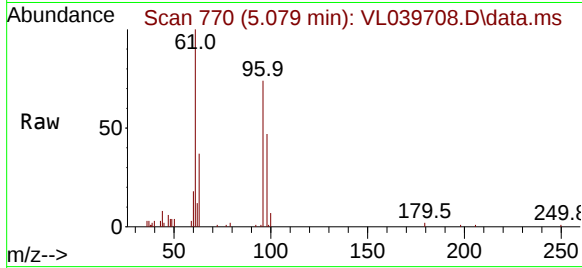




#31
 cis-1,2-Dichloroethene
 Concen: 0.448 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

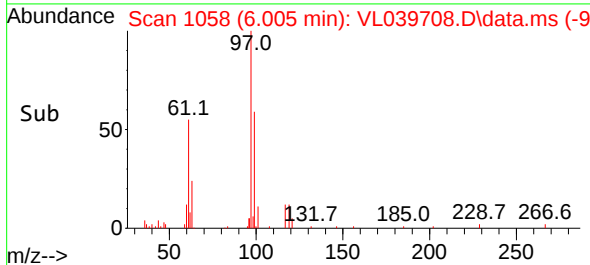
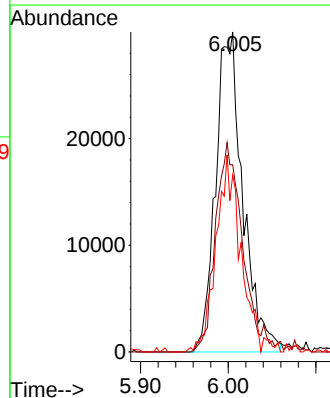
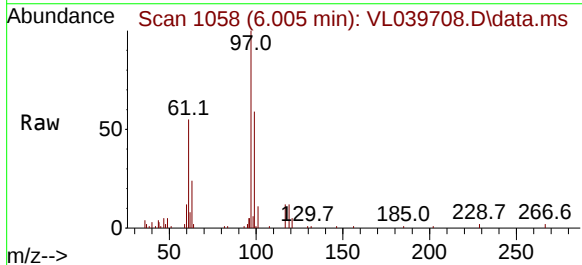
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

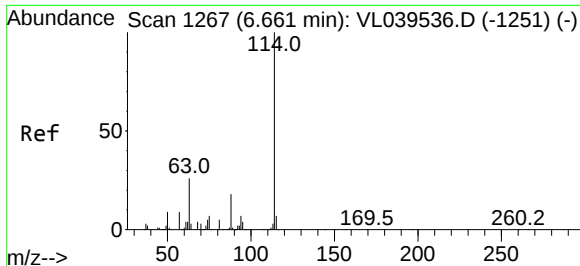
Tgt Ion:	61	Resp:	43998
Ion	Ratio	Lower	Upper
61	100		
96	74.5	54.1	81.1
98	46.8	34.6	52.0



#32
 1,1,1-Trichloroethane
 Concen: 0.455 ppbv m
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.009 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion:	97	Resp:	64512
Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.3	78.5
61	56.8	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

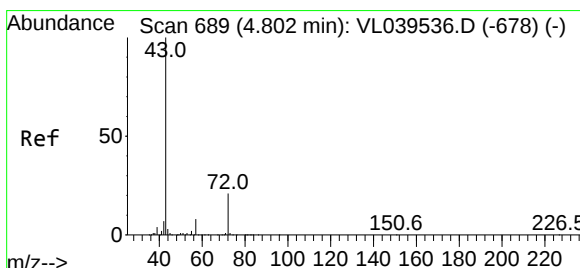
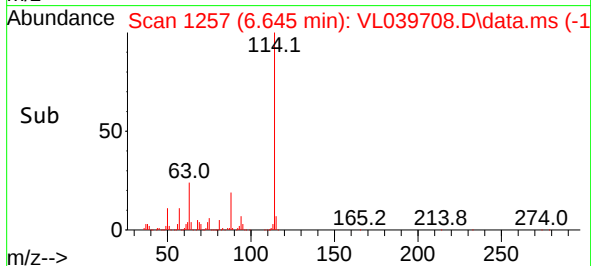
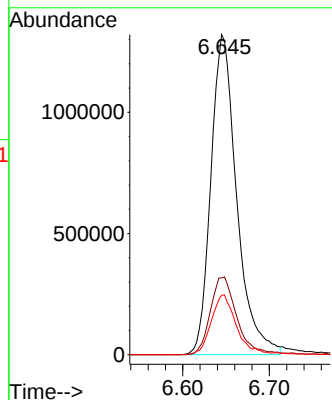
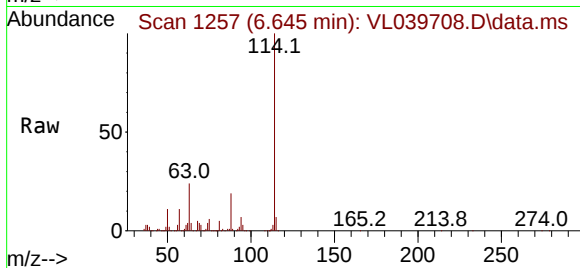
Tgt Ion:114 Resp: 2737527

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.4

88 18.7 14.5 21.7



#34

2-Butanone

Concen: 0.380 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.001 min

Lab File: VL039708.D

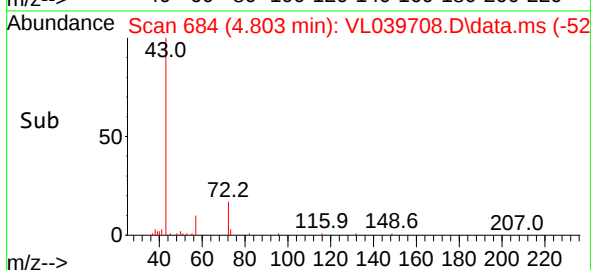
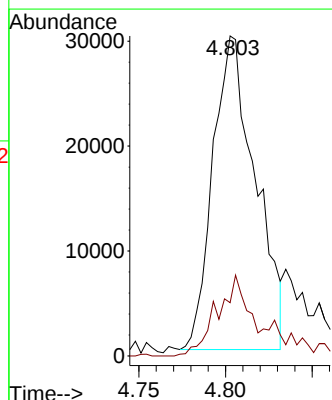
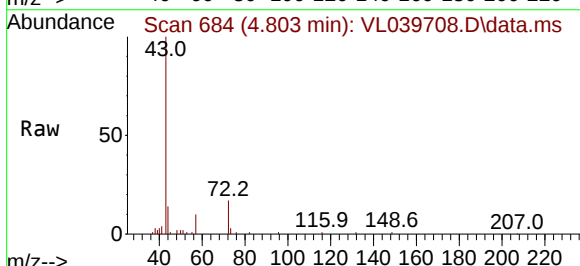
Acq: 10 Oct 2022 22:52

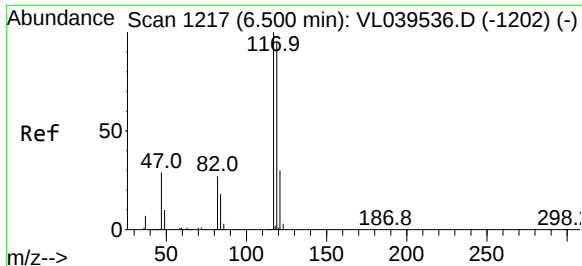
Tgt Ion: 43 Resp: 51064

Ion Ratio Lower Upper

43 100

72 26.6 17.9 26.9

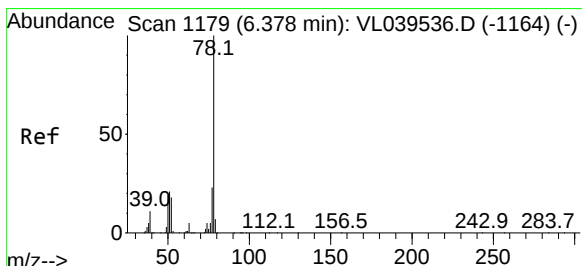
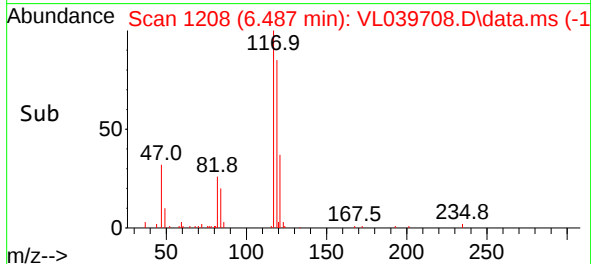
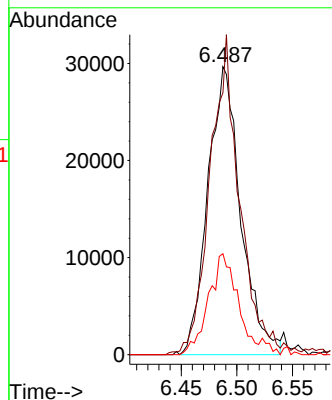
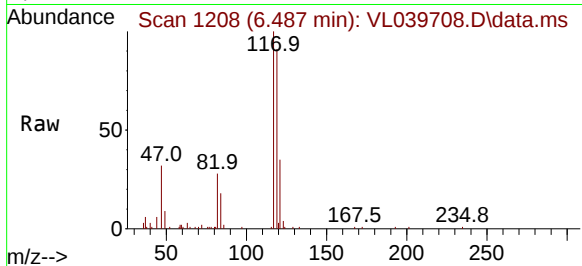




#35
Carbon Tetrachloride
Concen: 0.420 ppbv
RT: 6.487 min Scan# 1169
Delta R.T. -0.012 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

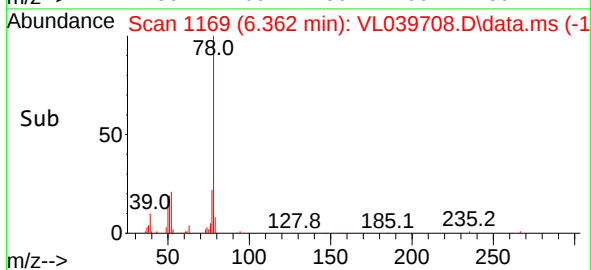
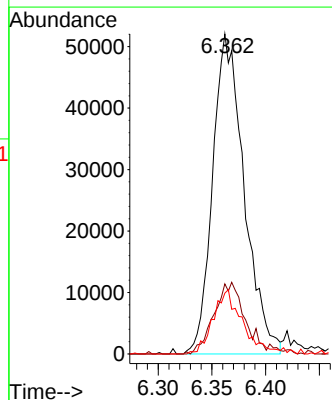
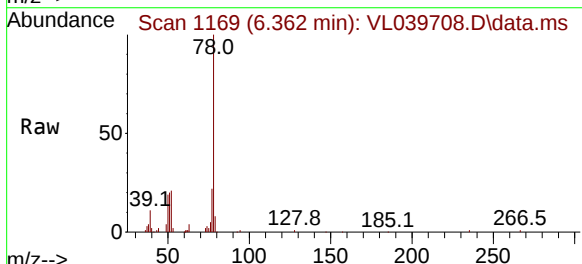
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

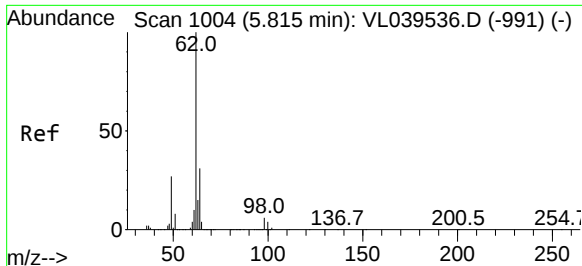
Tgt Ion: 117 Resp: 60971
Ion Ratio Lower Upper
117 100
119 89.7 75.4 113.2
121 35.1 24.2 36.2



#36
Benzene
Concen: 0.506 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 78 Resp: 105990
Ion Ratio Lower Upper
78 100
77 21.9 20.3 30.5
50 19.0 15.5 23.3

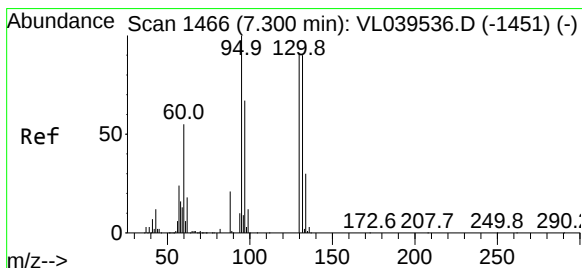
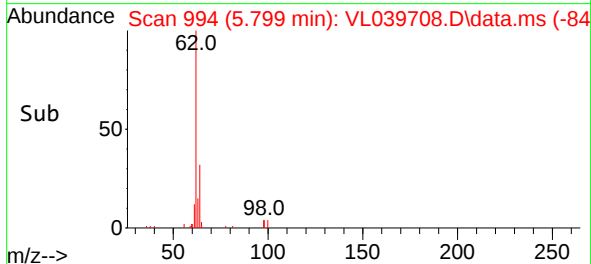
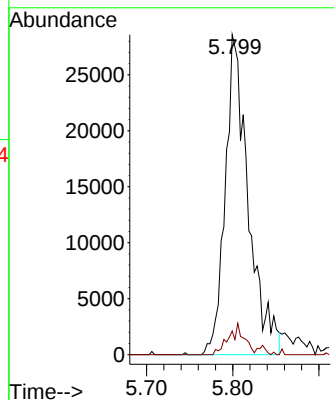
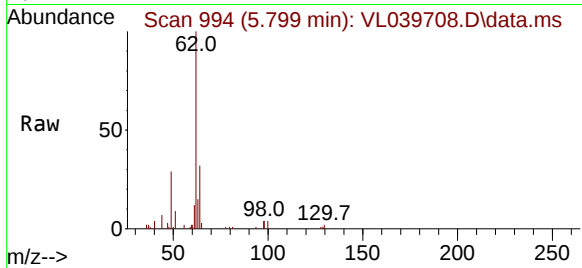




#37
1,2-Dichloroethane
Concen: 0.467 ppbv
RT: 5.799 min Scan# 994
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

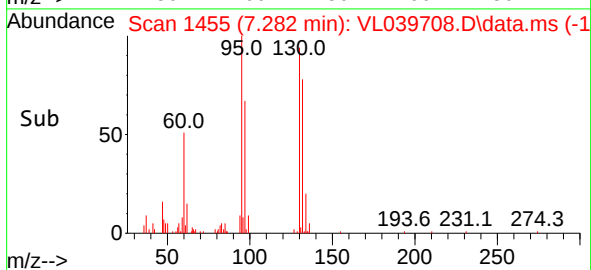
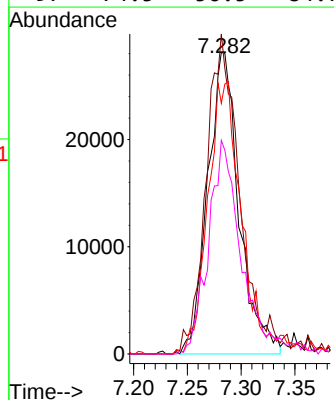
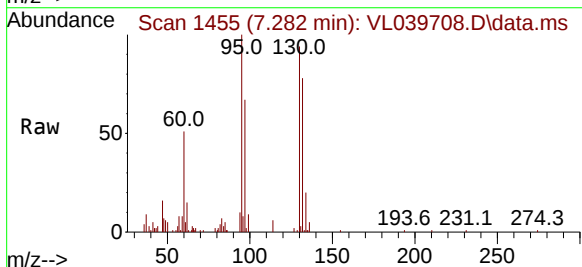
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

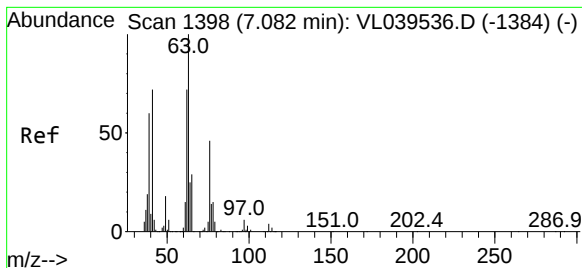
Tgt Ion: 62 Resp: 53160
Ion Ratio Lower Upper
62 100
98 7.7 5.1 7.7#



#38
Trichloroethene
Concen: 0.503 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.019 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion:130 Resp: 56927
Ion Ratio Lower Upper
130 100
95 108.5 87.3 130.9
132 85.0 76.7 115.1
97 74.5 56.5 84.7





#39

1,2-Dichloropropane

Concen: 0.536 ppbv m

RT: 7.063 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

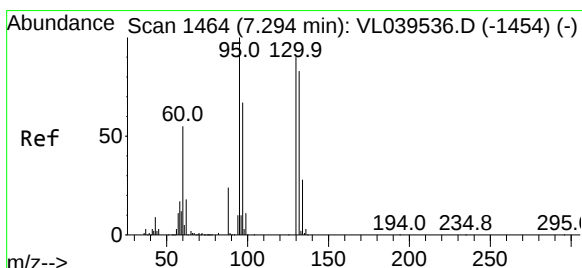
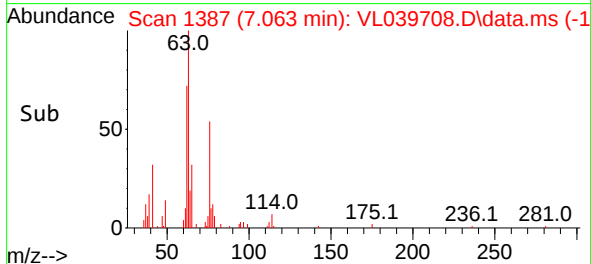
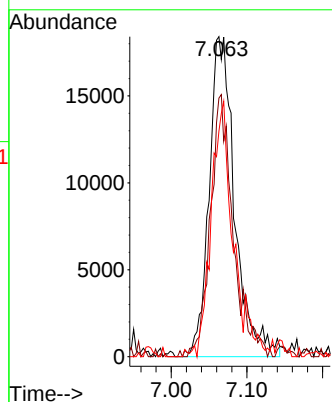
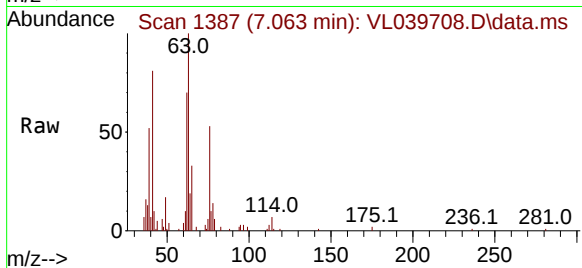
Tgt Ion: 63 Resp: 43333

Ion Ratio Lower Upper

63 100

41 80.8 59.6 89.4

62 70.5 51.4 77.0



#40

1,4-Dioxane

Concen: 0.506 ppbv m

RT: 7.311 min Scan# 1464

Delta R.T. 0.017 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Tgt Ion: 88 Resp: 16711

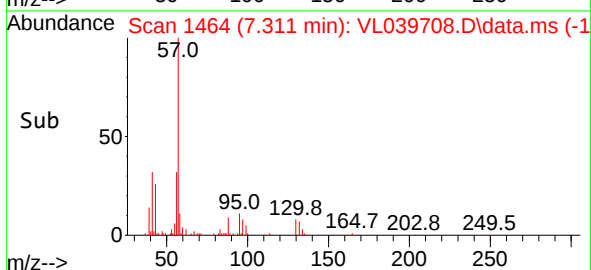
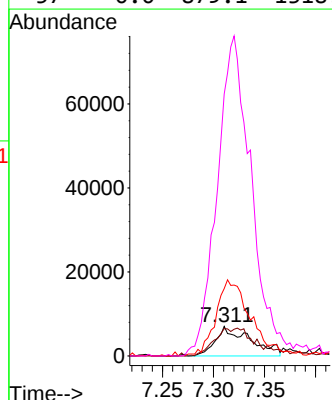
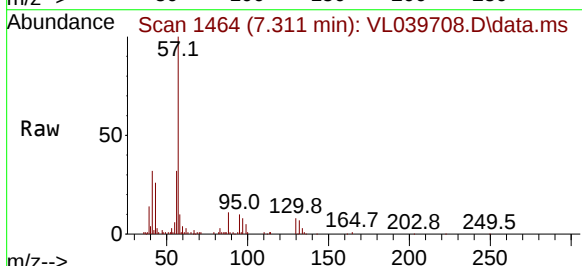
Ion Ratio Lower Upper

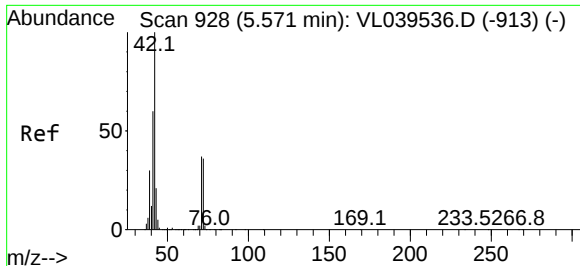
88 100

58 0.0 100.2 150.4#

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#

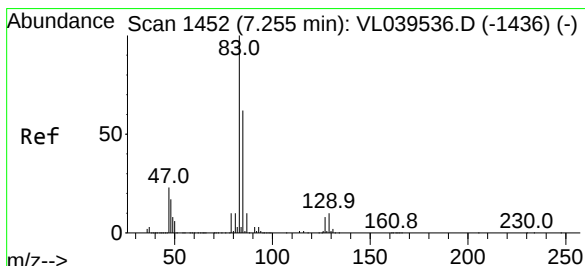
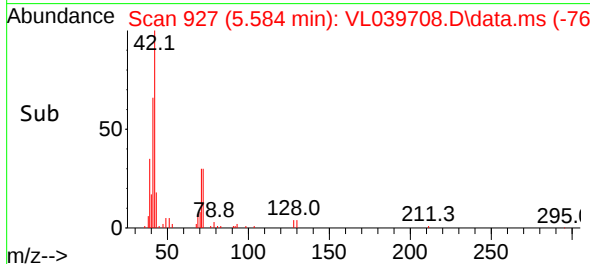
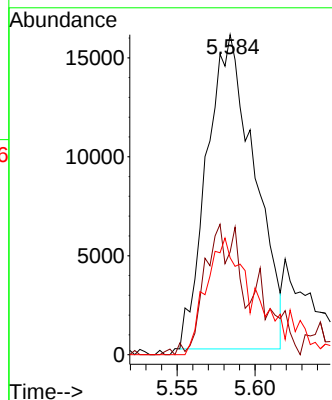
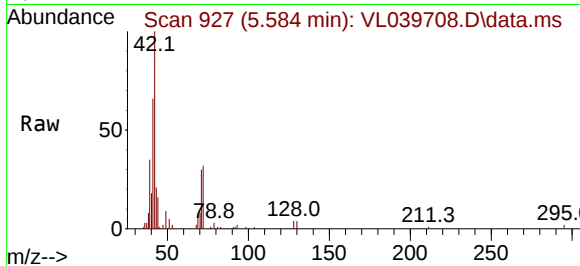




#41
Tetrahydrofuran
Concen: 0.410 ppbv
RT: 5.584 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

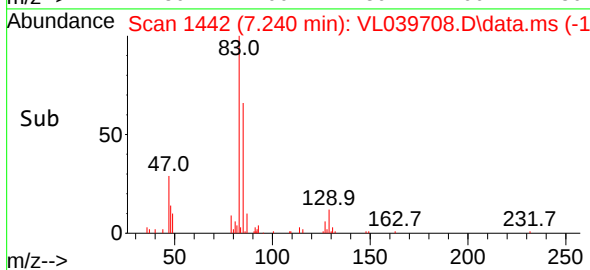
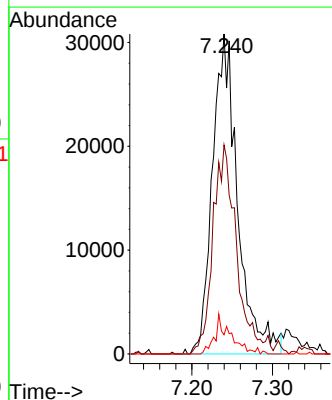
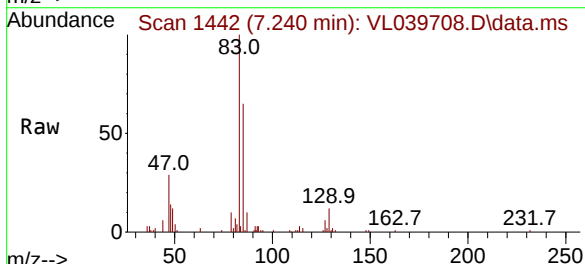
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

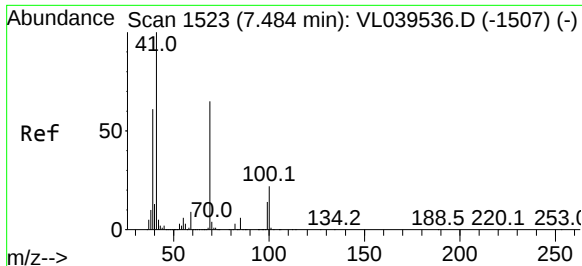
Tgt Ion:	42	Resp:	33783
Ion	Ratio	Lower	Upper
42	100		
72	47.7	31.8	47.8
71	42.1	31.8	47.8



#42
Bromodichloromethane
Concen: 0.423 ppbv m
RT: 7.240 min Scan# 1442
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion:	83	Resp:	66965
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1
127	6.0	6.6	9.8





#43

Methyl Methacrylate

Concen: 0.428 ppbv

RT: 7.481 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

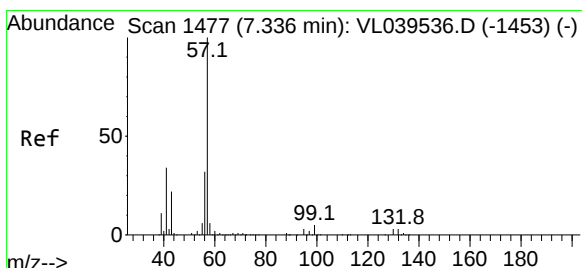
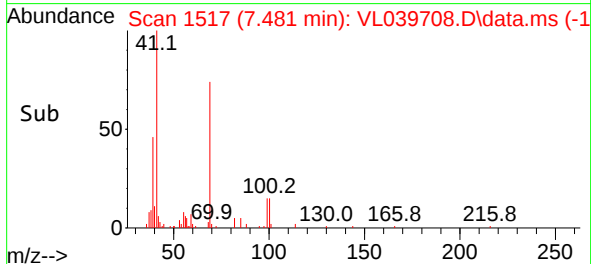
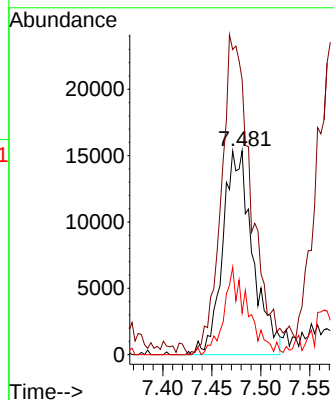
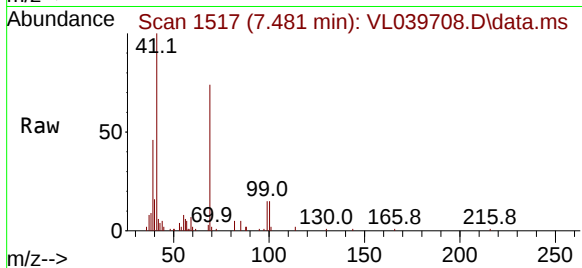
Tgt Ion: 69 Resp: 32674

Ion Ratio Lower Upper

69 100

41 151.2 120.8 181.2

100 35.2 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 0.489 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

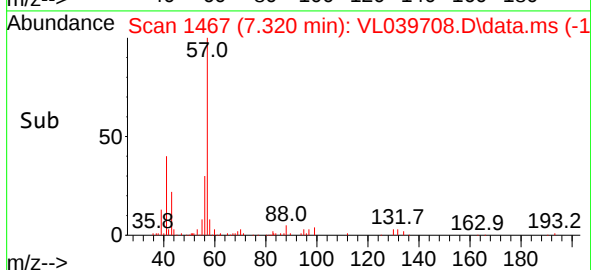
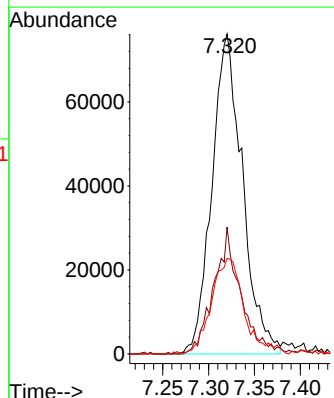
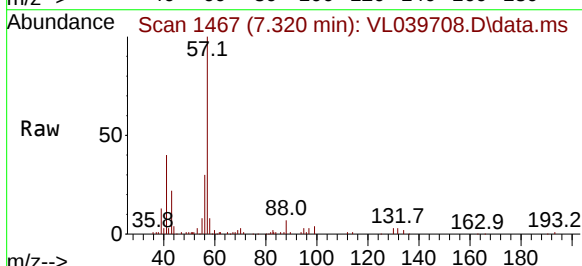
Tgt Ion: 57 Resp: 176302

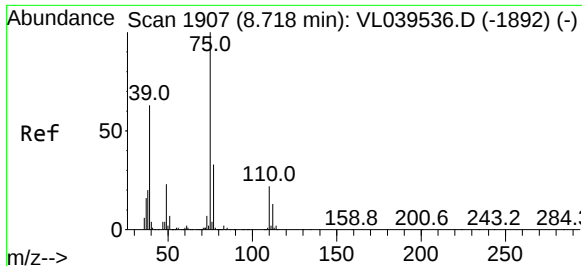
Ion Ratio Lower Upper

57 100

41 35.5 27.4 41.2

56 32.0 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 0.294 ppbv m

RT: 8.703 min Scan# 1719

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

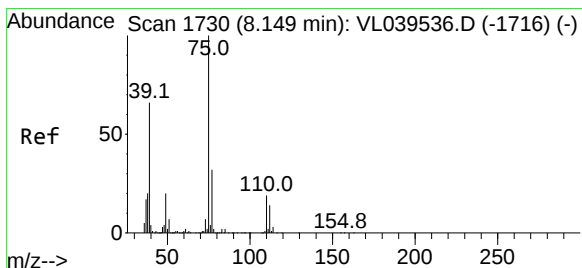
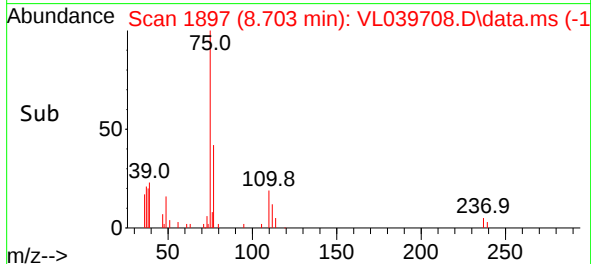
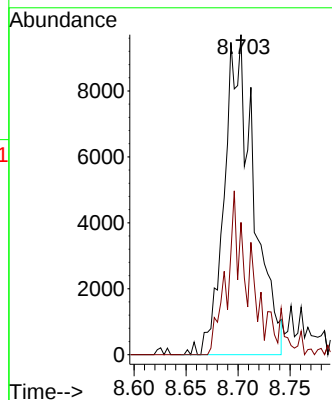
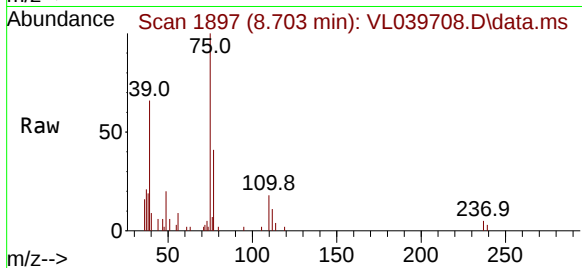
MDL-AIR-03-QT4-2022DL

Tgt Ion: 75 Resp: 18961

Ion Ratio Lower Upper

75 100

77 41.4 24.6 36.8#



#46

cis-1,3-Dichloropropene

Concen: 0.320 ppbv m

RT: 8.130 min Scan# 1719

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

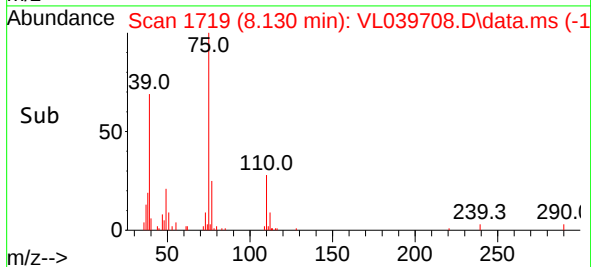
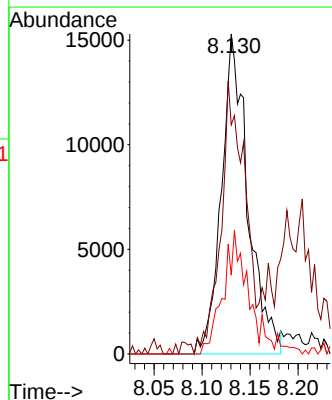
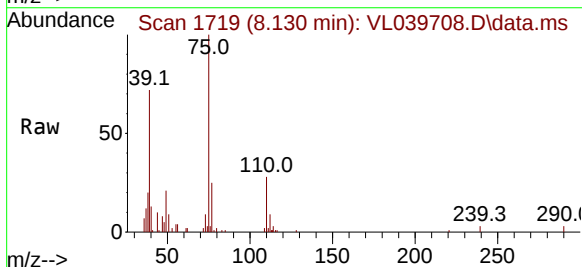
Tgt Ion: 75 Resp: 29326

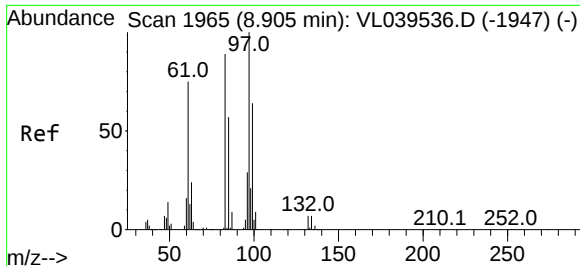
Ion Ratio Lower Upper

75 100

39 71.6 55.0 82.4

77 24.6 25.7 38.5#

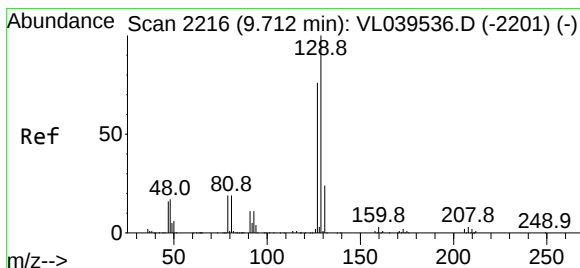
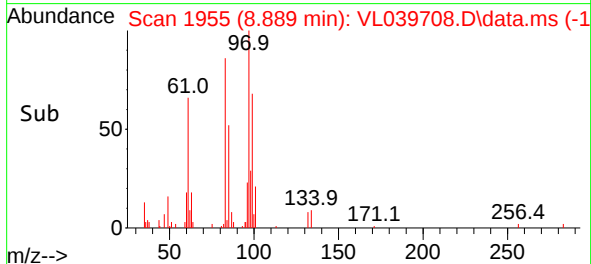
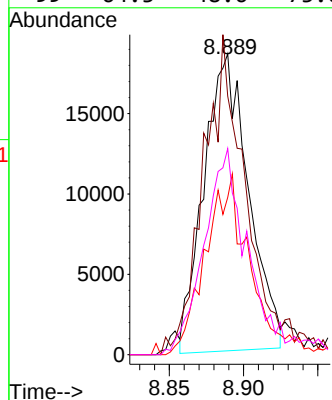
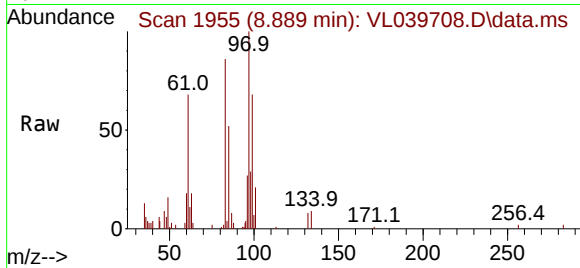




#47
1,1,2-Trichloroethane
Concen: 0.439 ppbv
RT: 8.889 min Scan# 1965
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

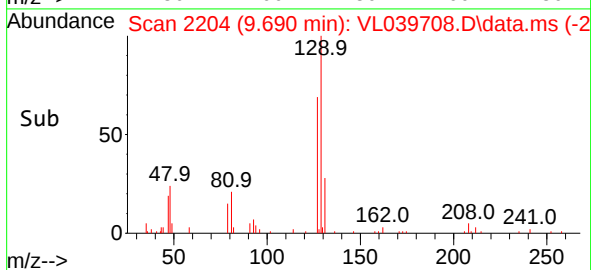
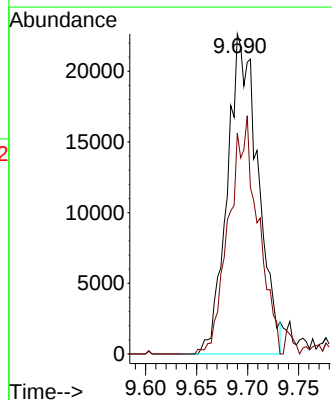
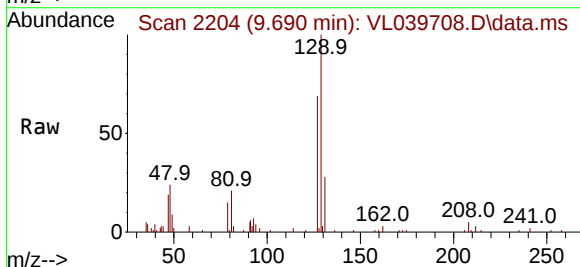
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

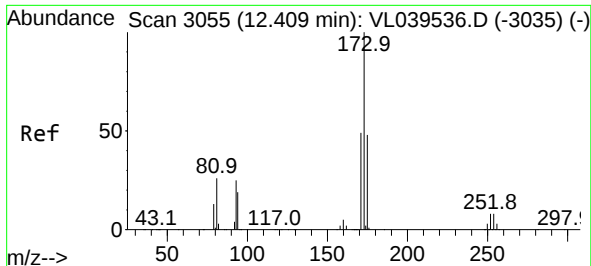
Tgt Ion: 97	Resp: 38737
Ion Ratio	Lower Upper
97 100	
83 81.8	67.4 101.0
85 50.3	45.1 67.7
99 64.3	48.6 73.0



#48
Dibromochloromethane
Concen: 0.357 ppbv m
RT: 9.690 min Scan# 2204
Delta R.T. -0.022 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion:129	Resp: 47452
Ion Ratio	Lower Upper
129 100	
127 0.0	39.3 117.9#





#49

Bromoform

Concen: 0.317 ppbv m

RT: 12.387 min Scan# 3055

Delta R.T. -0.022 min

Lab File: VL039708.D

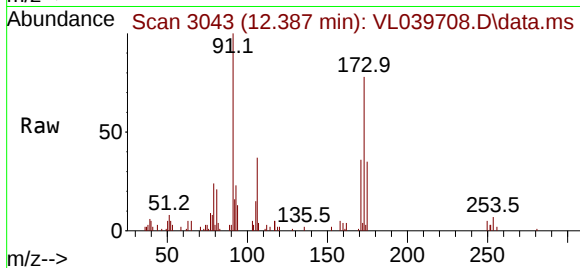
Acq: 10 Oct 2022 22:52

Instrument :

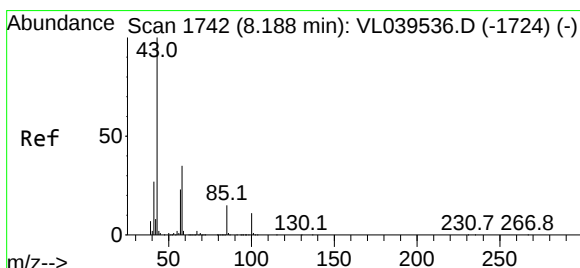
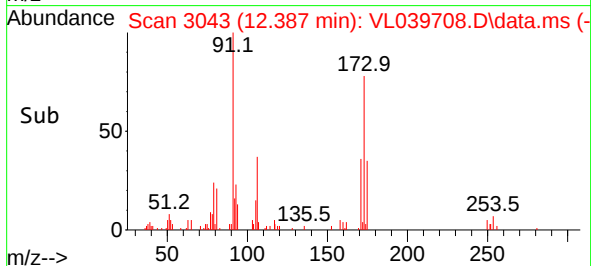
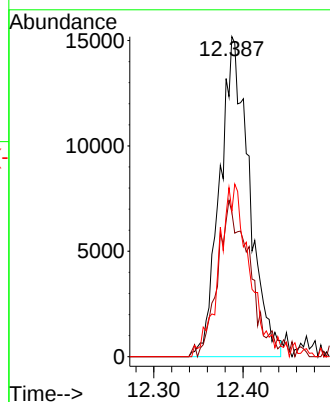
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL



Tgt Ion:173	Resp:	34829
Ion	Ratio	Lower Upper
173	100	
175	54.9	40.3 60.5
171	57.1	42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 0.397 ppbv

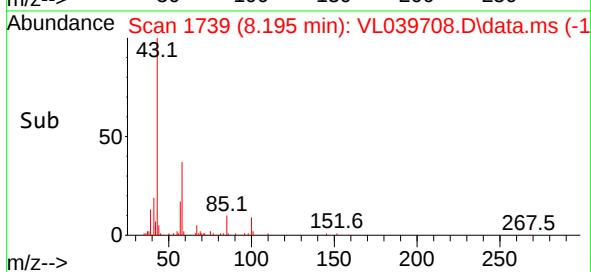
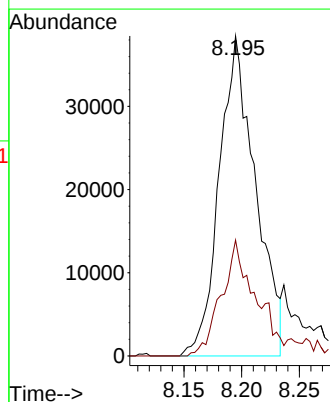
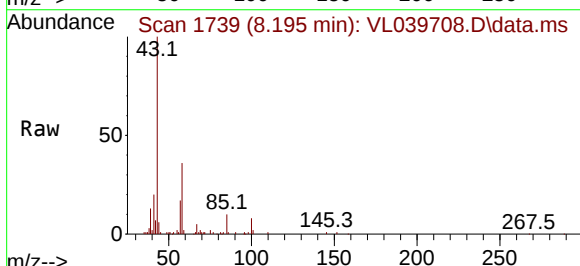
RT: 8.195 min Scan# 1739

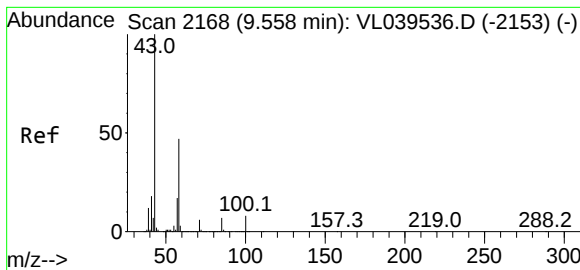
Delta R.T. 0.007 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Tgt Ion: 43	Resp:	83940
Ion	Ratio	Lower Upper
43	100	
58	38.0	28.8 43.2

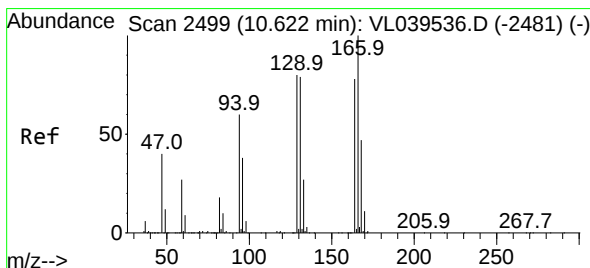
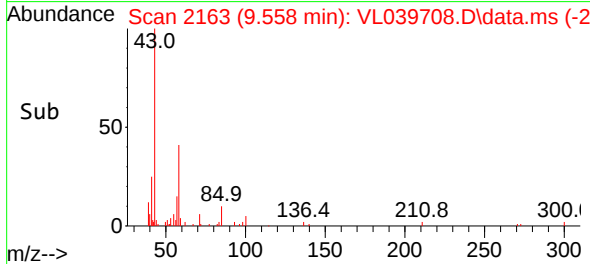
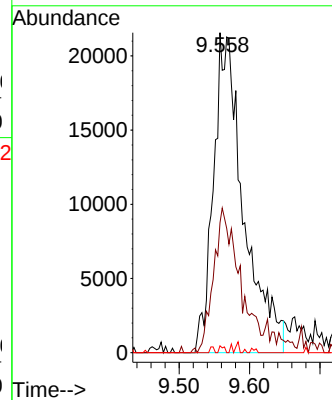
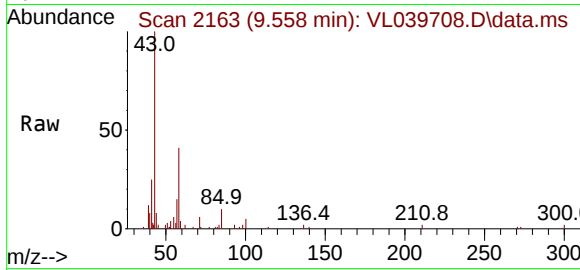




#51
2-Hexanone
Concen: 0.409 ppbv m
RT: 9.558 min Scan# 2168
Delta R.T. 0.001 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

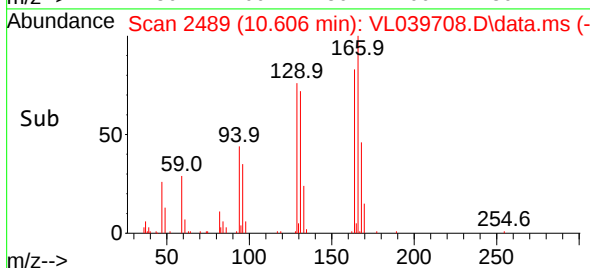
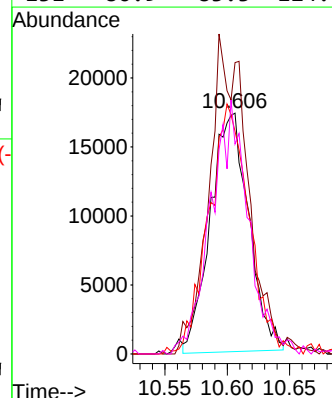
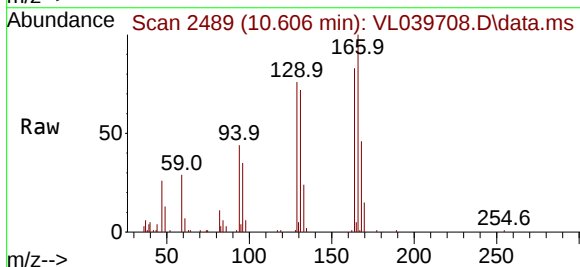
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

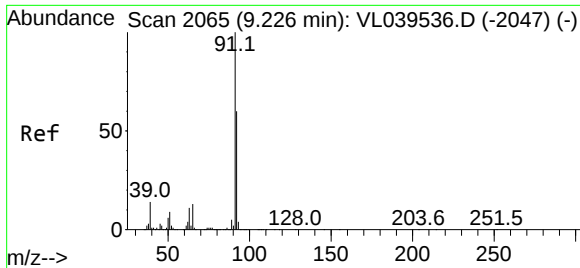
Tgt Ion: 43 Resp: 63956
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.465 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 164 Resp: 37092
Ion Ratio Lower Upper
164 100
166 122.7 102.2 153.2
129 91.5 85.8 128.8
131 86.9 83.3 124.9





#53

Toluene

Concen: 0.418 ppbv m

RT: 9.211 min Scan# 2065

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

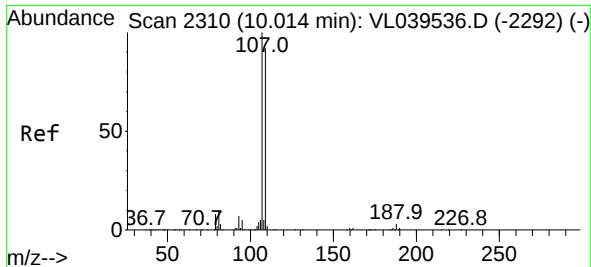
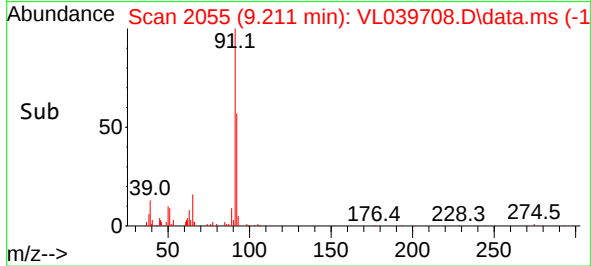
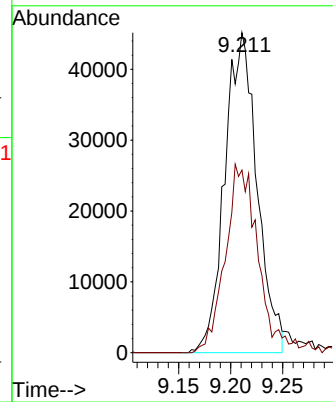
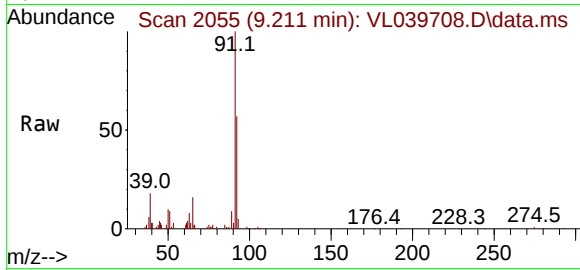
MDL-AIR-03-QT4-2022DL

Tgt Ion: 91 Resp: 97403

Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 0.421 ppbv

RT: 9.992 min Scan# 2298

Delta R.T. -0.022 min

Lab File: VL039708.D

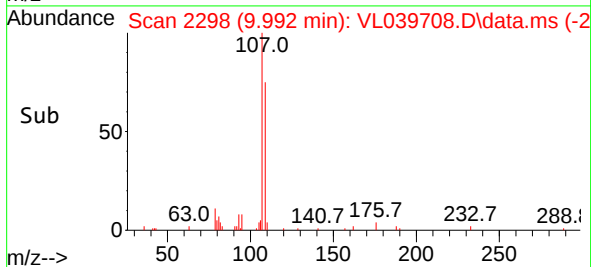
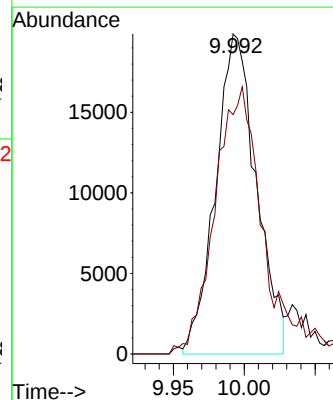
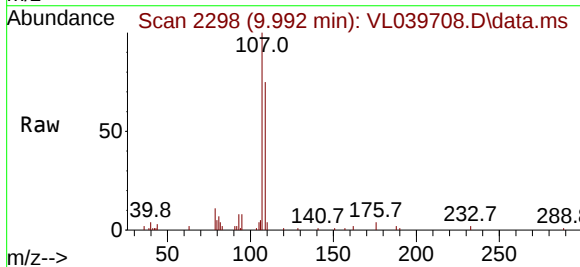
Acq: 10 Oct 2022 22:52

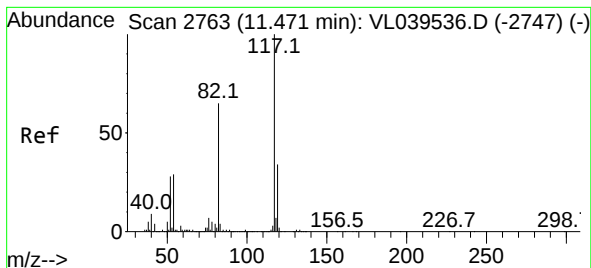
Tgt Ion: 107 Resp: 39781

Ion Ratio Lower Upper

107 100

109 72.7 74.8 112.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

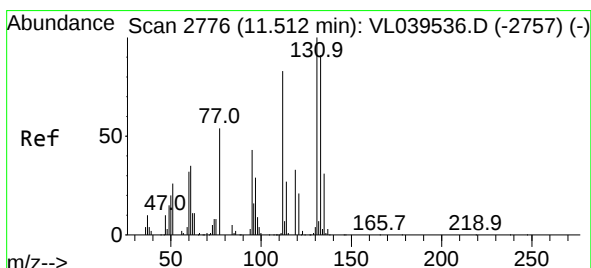
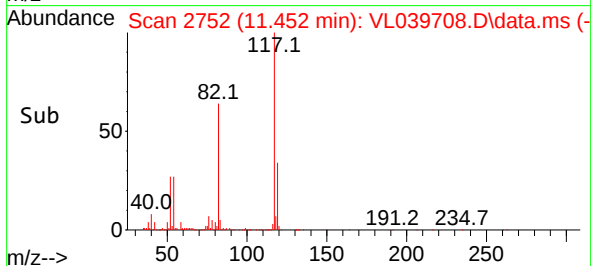
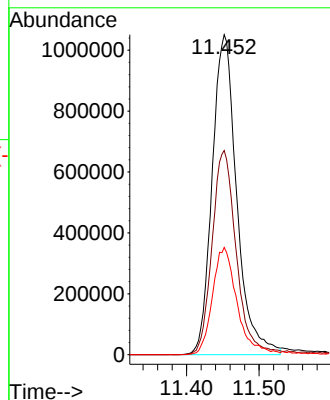
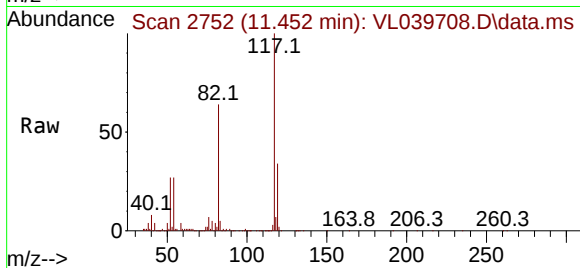
Tgt Ion:117 Resp: 2475539

Ion Ratio Lower Upper

117 100

82 63.2 50.8 76.2

119 34.4 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.429 ppbv m

RT: 11.497 min Scan# 2766

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

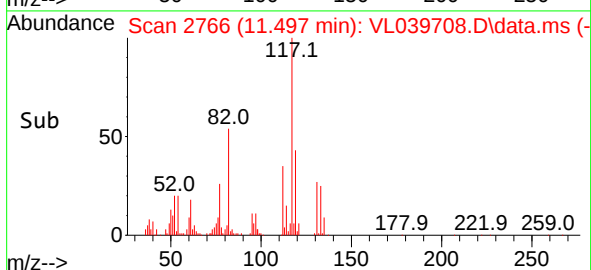
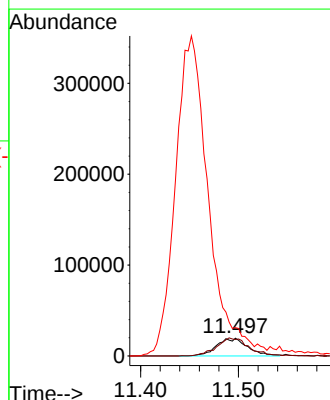
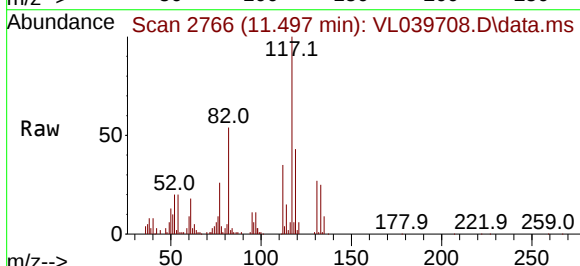
Tgt Ion:131 Resp: 42882

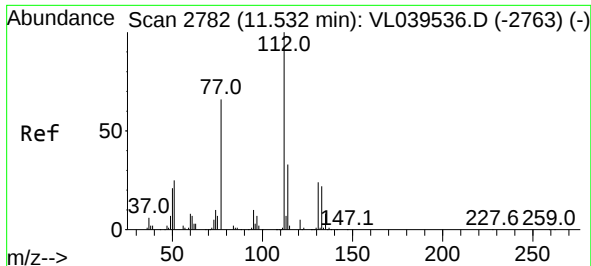
Ion Ratio Lower Upper

131 100

133 0.0 76.8 115.2#

119 0.0 46.2 69.4#

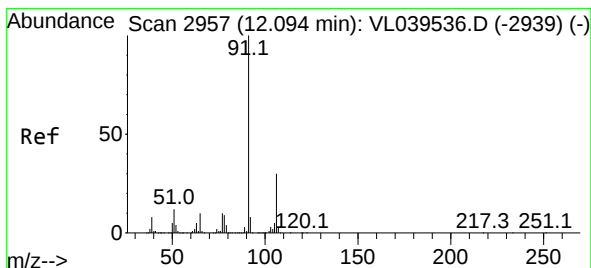
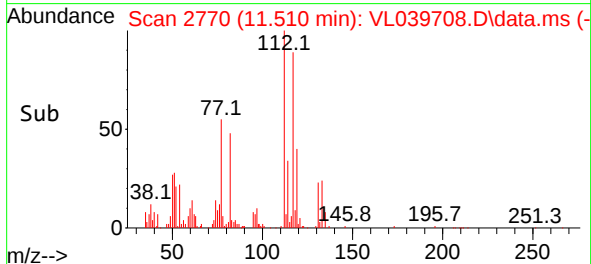
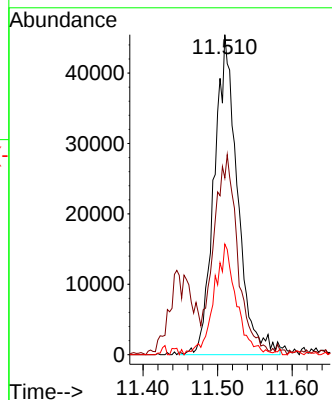
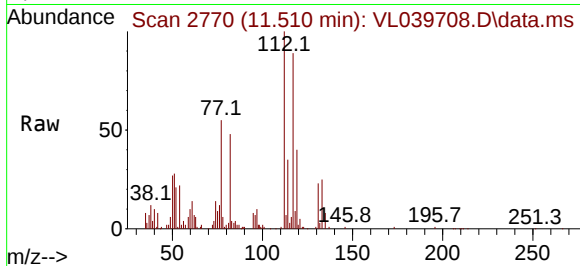




#57
Chlorobenzene
Concen: 0.544 ppbv m
RT: 11.510 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

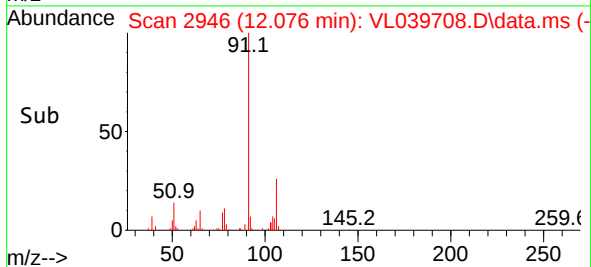
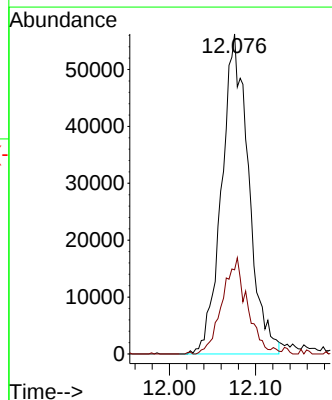
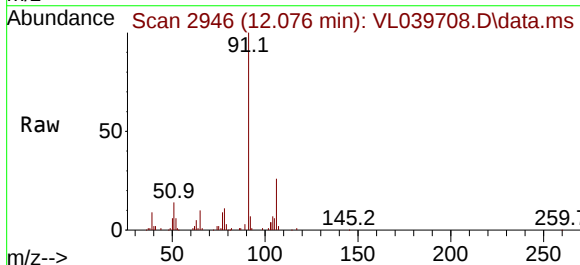
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

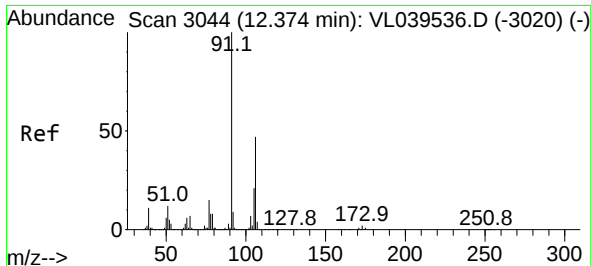
Tgt Ion:112 Resp: 99012
Ion Ratio Lower Upper
112 100
77 55.2 51.0 76.4
114 34.6 27.5 33.6#



#58
Ethyl Benzene
Concen: 0.427 ppbv m
RT: 12.076 min Scan# 2946
Delta R.T. -0.019 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 91 Resp: 121834
Ion Ratio Lower Upper
91 100
106 26.3 25.4 38.0





#59

m/p-Xylene

Concen: 0.850 ppbv m

RT: 12.359 min Scan# 3034

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

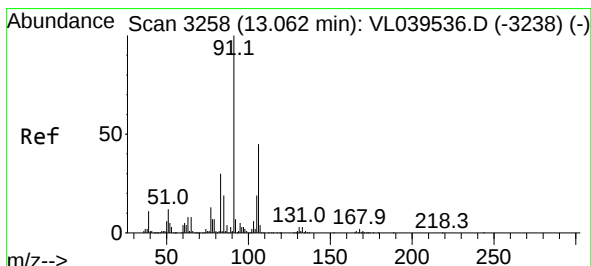
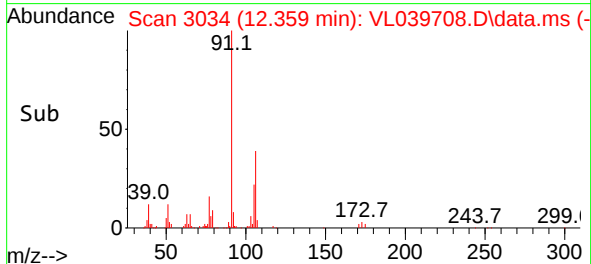
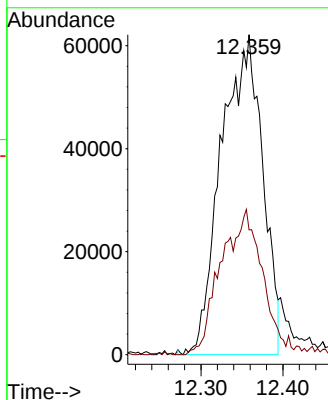
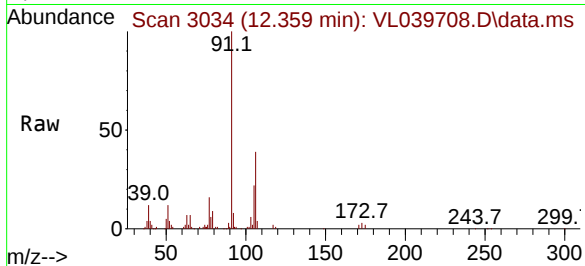
MDL-AIR-03-QT4-2022DL

Tgt Ion: 91 Resp: 215971

Ion Ratio Lower Upper

91 100

106 46.0 35.4 53.2



#60

o-Xylene

Concen: 0.432 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.022 min

Lab File: VL039708.D

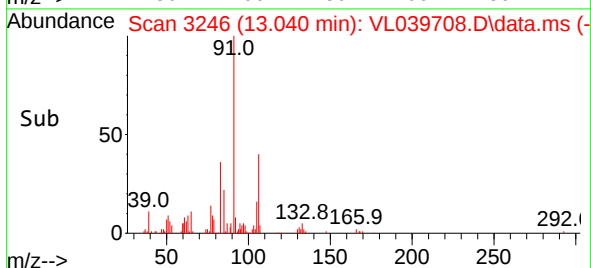
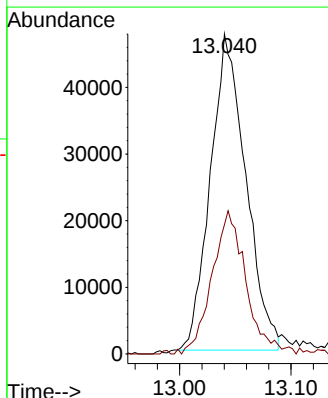
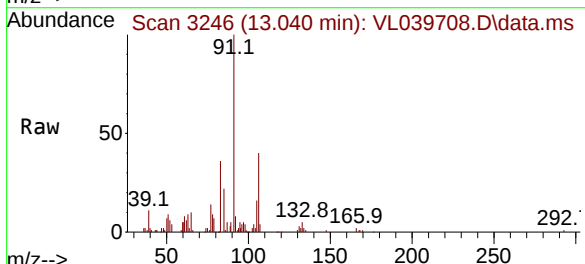
Acq: 10 Oct 2022 22:52

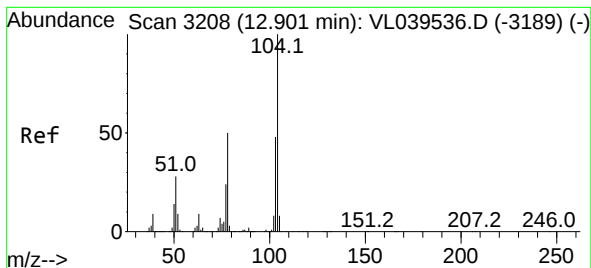
Tgt Ion: 91 Resp: 104753

Ion Ratio Lower Upper

91 100

106 44.0 22.4 67.3





#61

Styrene

Concen: 0.341 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

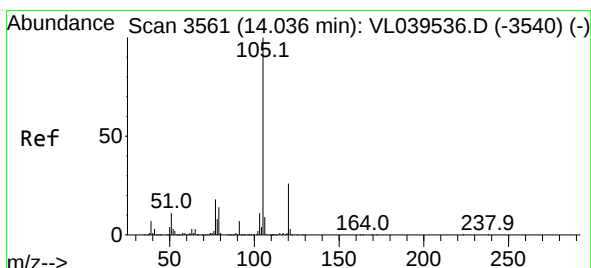
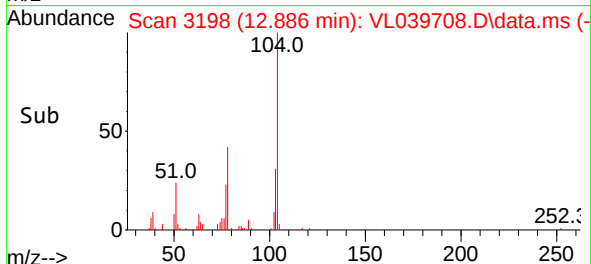
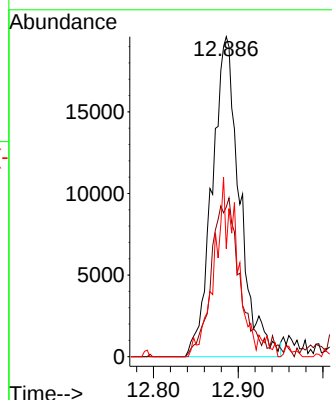
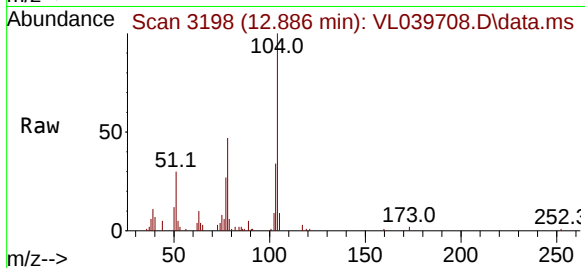
Tgt Ion:104 Resp: 44530

Ion Ratio Lower Upper

104 100

78 53.7 41.2 61.8

103 48.2 38.7 58.1



#62

Isopropylbenzene

Concen: 0.470 ppbv

RT: 14.014 min Scan# 3549

Delta R.T. -0.022 min

Lab File: VL039708.D

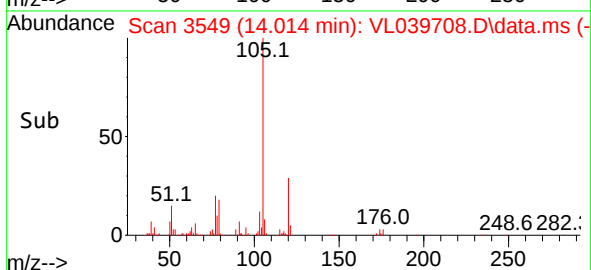
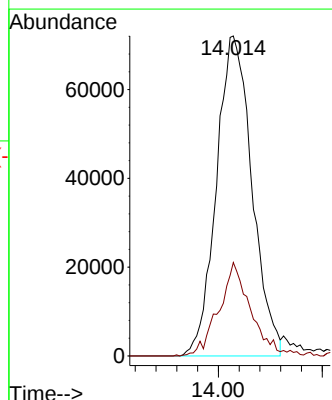
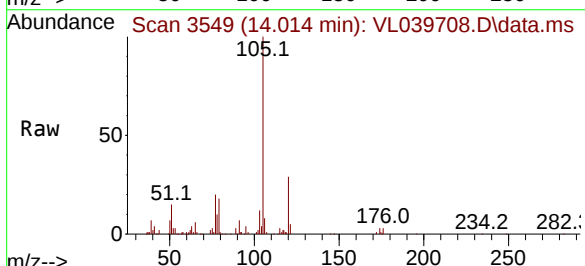
Acq: 10 Oct 2022 22:52

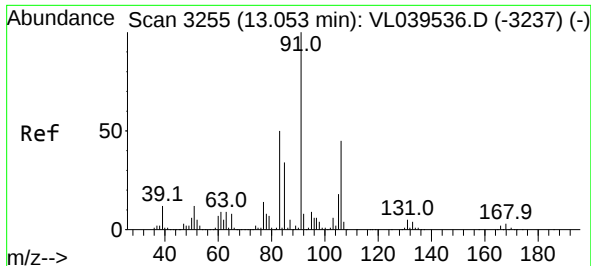
Tgt Ion:105 Resp: 171510

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

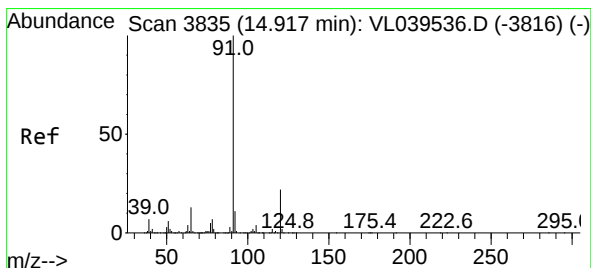
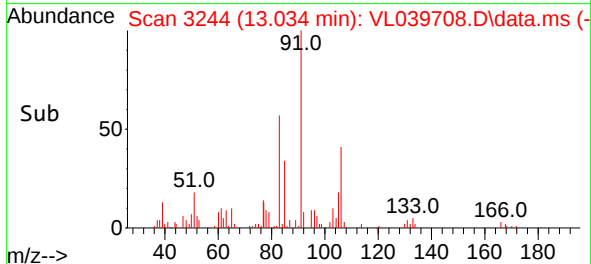
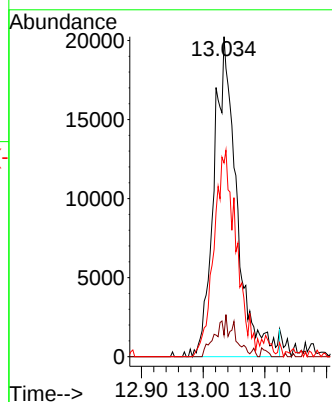
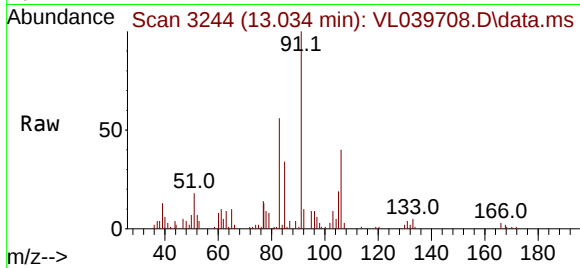




#63
1,1,2,2-Tetrachloroethane
Concen: 0.539 ppbv m
RT: 13.034 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

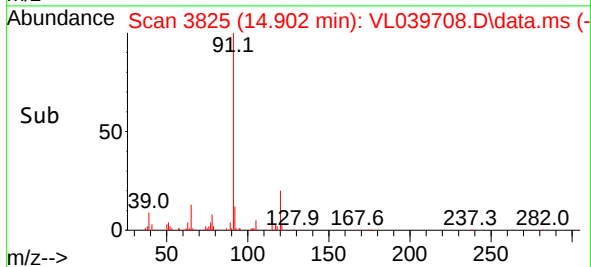
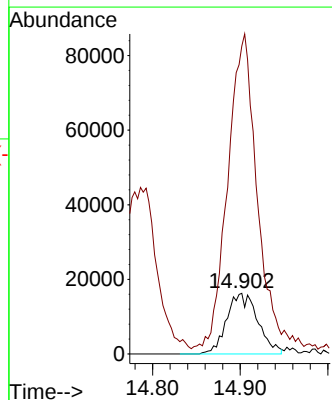
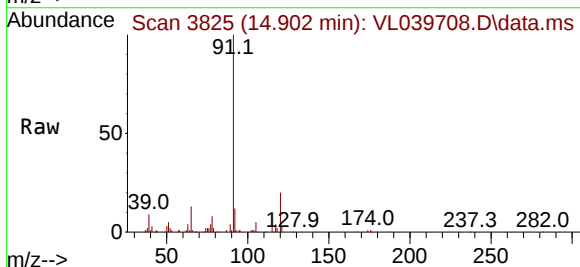
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

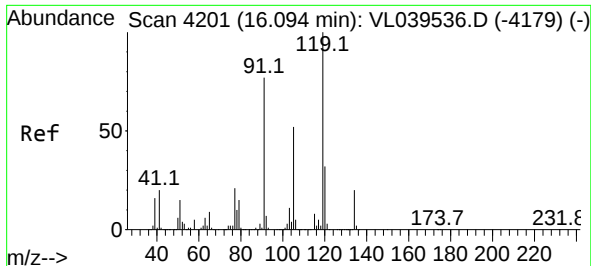
Tgt Ion: 83 Resp: 52196
Ion Ratio Lower Upper
83 100
131 11.5 5.3 15.8
85 66.8 33.1 99.5



#64
n-propylbenzene
Concen: 0.429 ppbv m
RT: 14.902 min Scan# 3825
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 120 Resp: 40134
Ion Ratio Lower Upper
120 100
91 290.6 367.2 550.8#

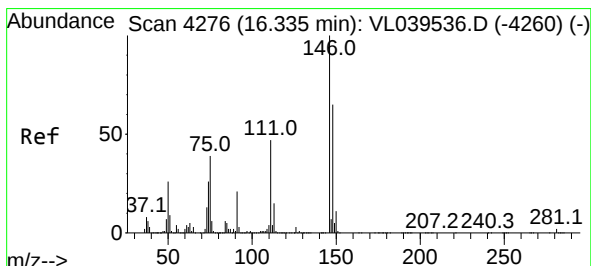
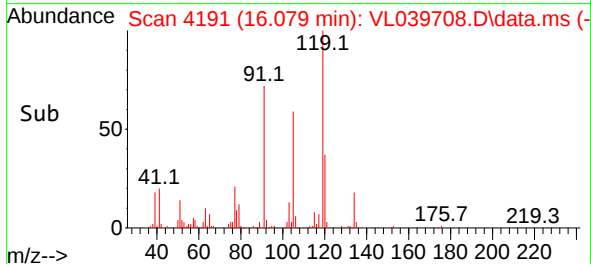
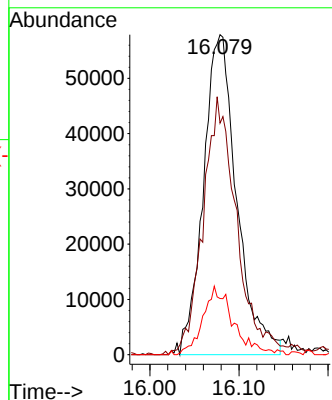
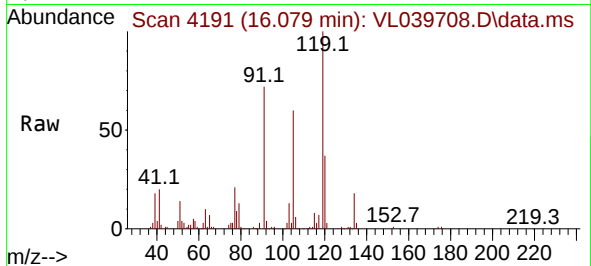




#65
tert-Butylbenzene
Concen: 0.466 ppbv
RT: 16.079 min Scan# 4179
Delta R.T. -0.016 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

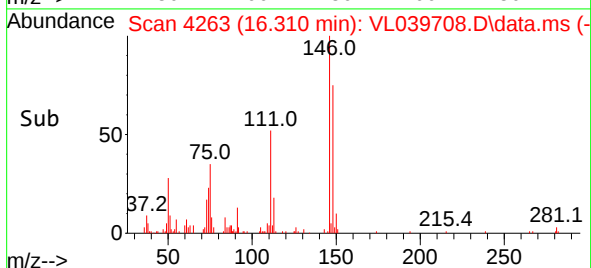
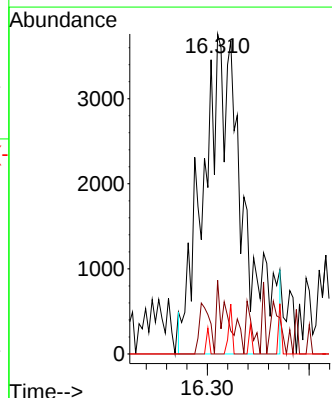
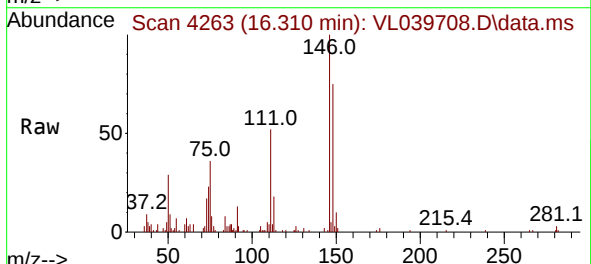
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

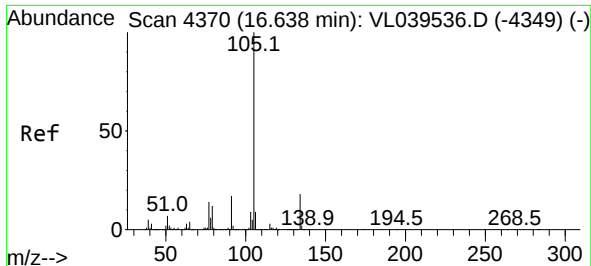
Tgt Ion:119 Resp: 150215
Ion Ratio Lower Upper
119 100
91 82.7 63.4 95.2
134 19.7 15.9 23.9



#66
Benzyl Chloride
Concen: 0.402 ppbv m
RT: 16.310 min Scan# 4263
Delta R.T. -0.025 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 91 Resp: 10310
Ion Ratio Lower Upper
91 100
126 14.7 13.1 19.7
128 0.0 4.4 6.6

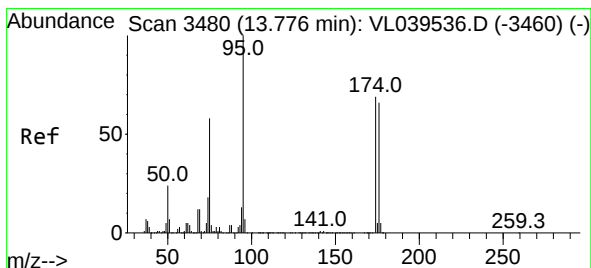
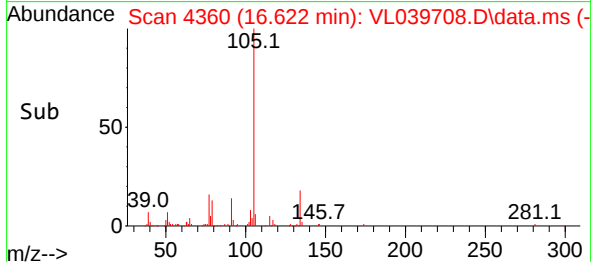
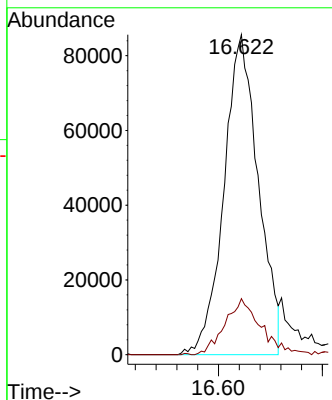
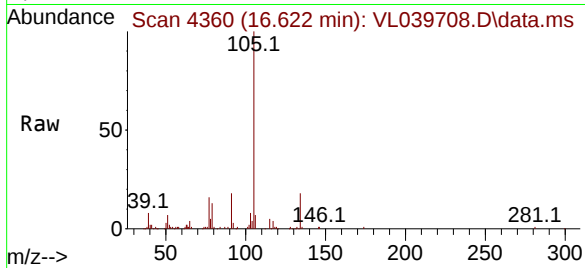




#67
 sec-Butylbenzene
 Concen: 0.435 ppbv
 RT: 16.622 min Scan# 4360
 Delta R.T. -0.016 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

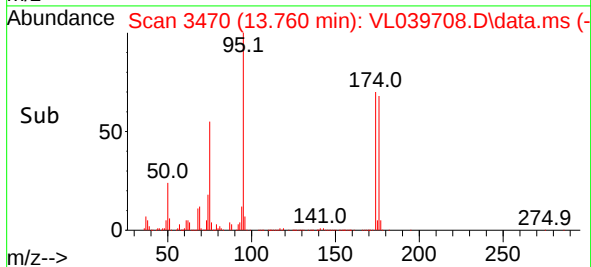
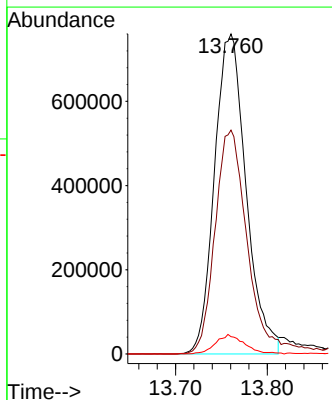
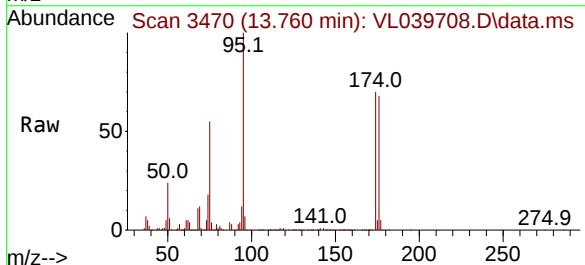
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

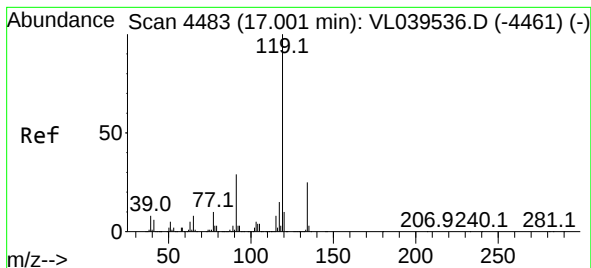
Tgt Ion:105 Resp: 196778
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.840 ppbv
 RT: 13.760 min Scan# 3470
 Delta R.T. -0.016 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Tgt Ion: 95 Resp: 1818384
 Ion Ratio Lower Upper
 95 100
 174 74.6 55.9 83.9
 175 5.8 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.392 ppbv

RT: 16.982 min Scan# 4483

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

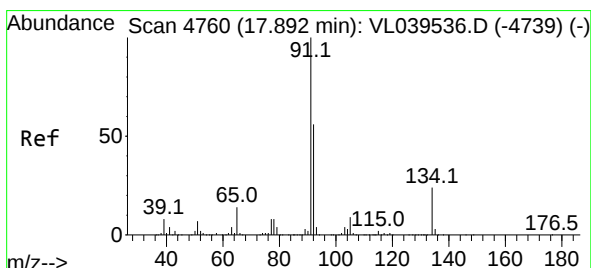
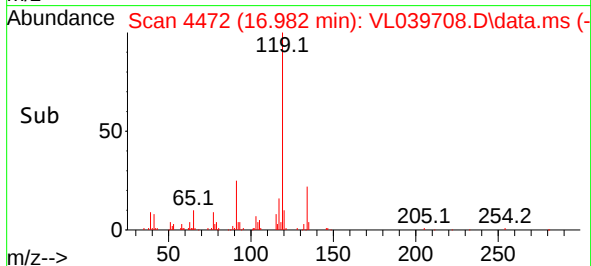
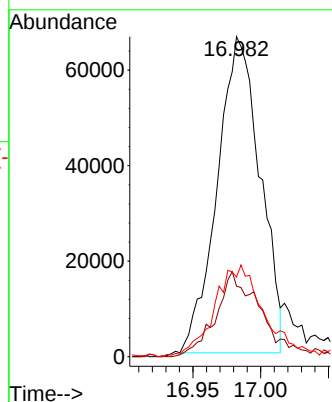
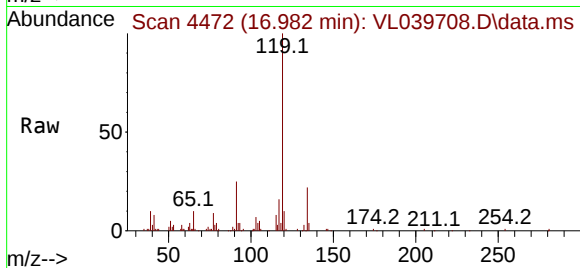
Tgt Ion:119 Resp: 145718

Ion Ratio Lower Upper

119 100

134 29.2 20.3 30.5

91 33.5 22.9 34.3



#70

n-Butylbenzene

Concen: 0.446 ppbv m

RT: 17.876 min Scan# 4750

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

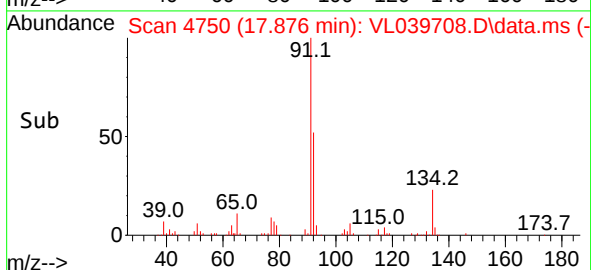
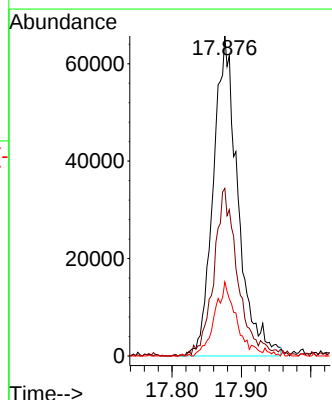
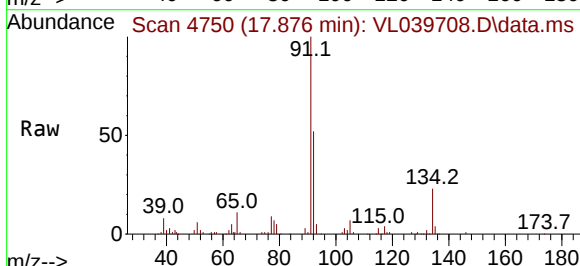
Tgt Ion: 91 Resp: 162373

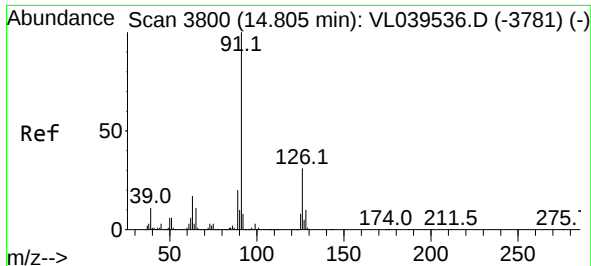
Ion Ratio Lower Upper

91 100

92 51.9 43.4 65.2

134 20.9 18.9 28.3

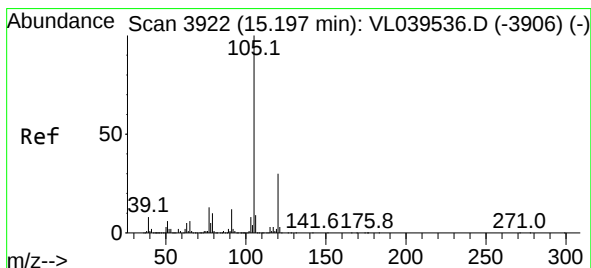
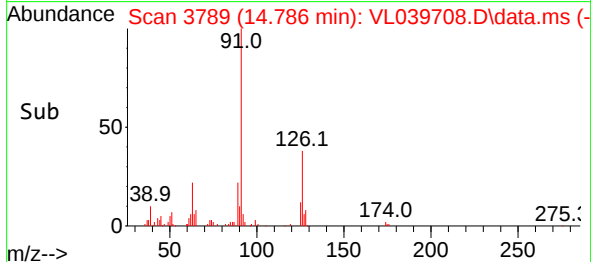
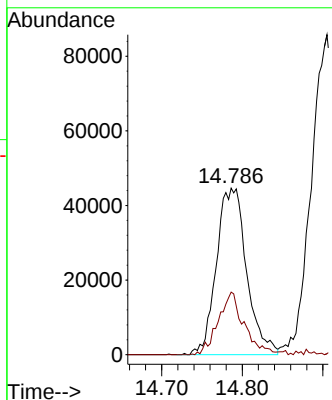
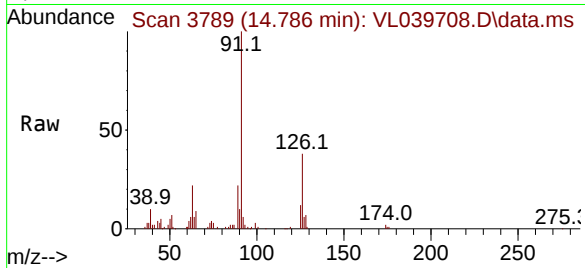




#71
2-Chlorotoluene
Concen: 0.441 ppbv m
RT: 14.786 min Scan# 3111
Delta R.T. -0.019 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

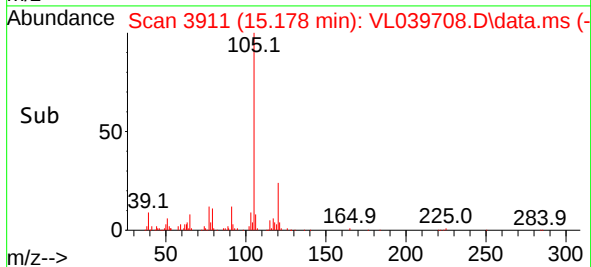
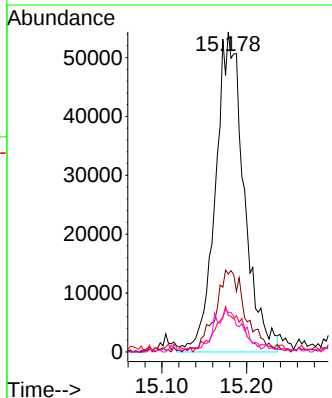
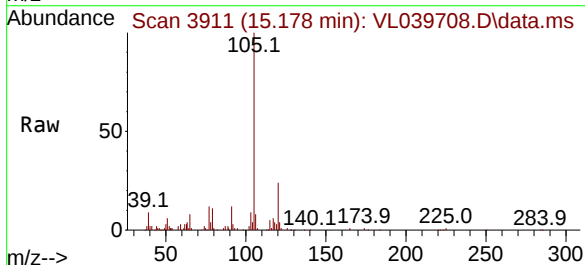
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

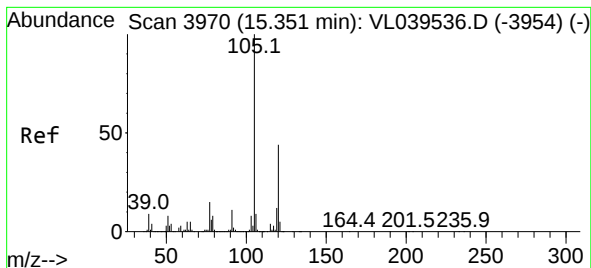
Tgt Ion: 91 Resp: 116246
Ion Ratio Lower Upper
91 100
126 1.9 13.0 51.8#



#72
4-Ethyltoluene
Concen: 0.459 ppbv m
RT: 15.178 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion: 105 Resp: 126997
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 0.0 10.2 15.4#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.456 ppbv m

RT: 15.336 min Scan# 3960

Delta R.T. -0.016 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

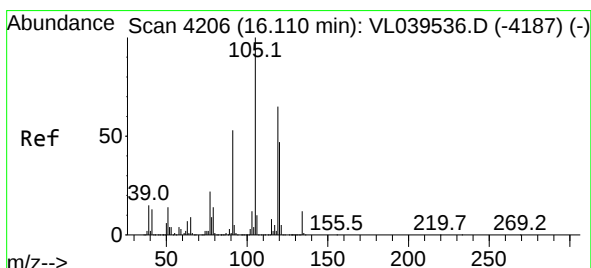
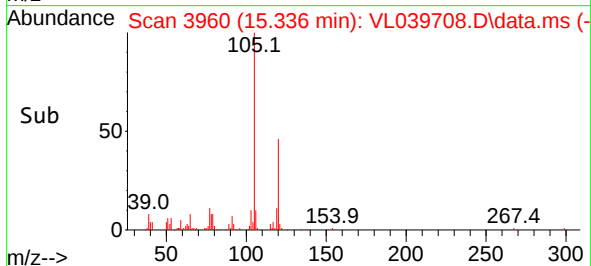
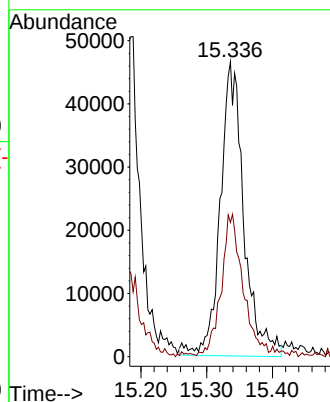
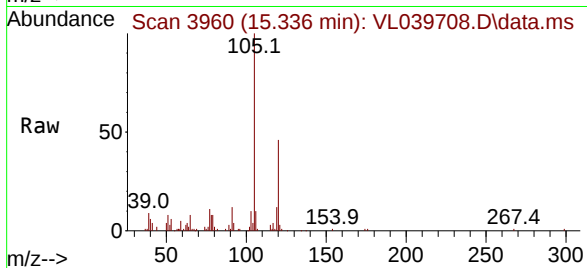
MDL-AIR-03-QT4-2022DL

Tgt Ion:105 Resp: 115595

Ion Ratio Lower Upper

105 100

120 45.5 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 0.450 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Tgt Ion:105 Resp: 127688

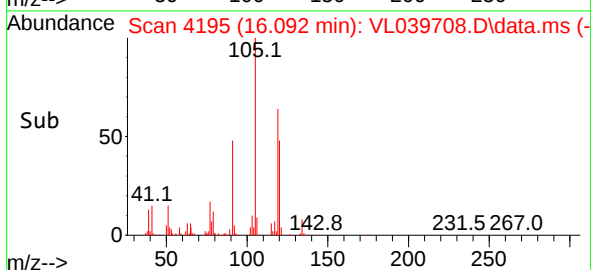
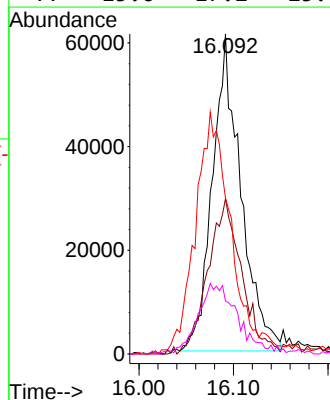
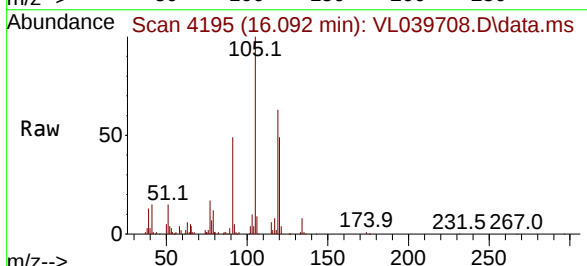
Ion Ratio Lower Upper

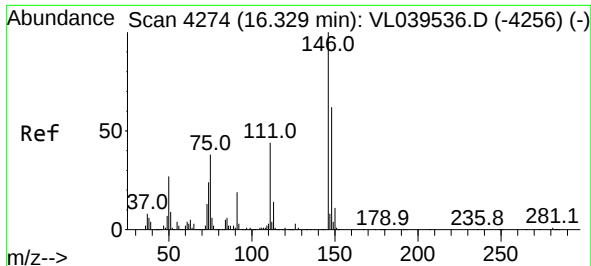
105 100

120 48.3 39.5 59.3

91 46.6 39.2 58.8

77 15.6 17.2 25.8#

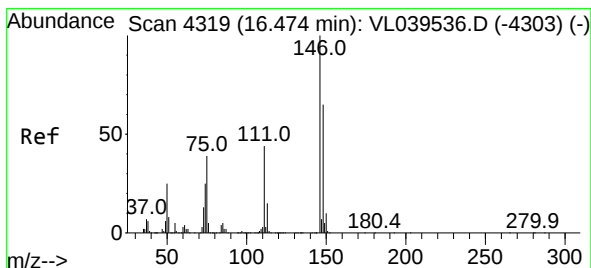
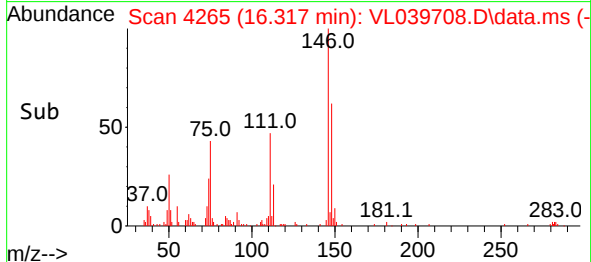
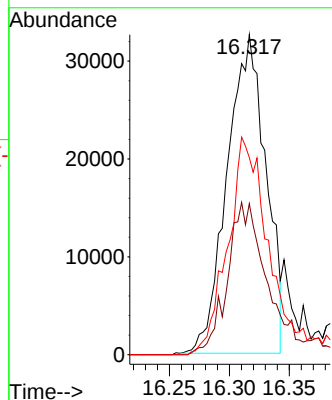
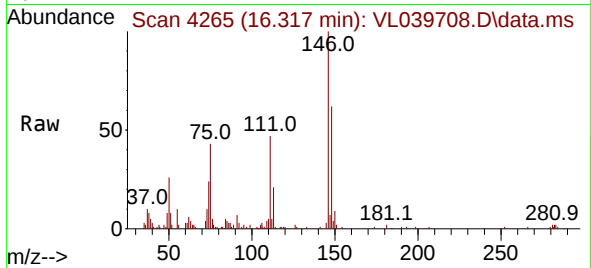




#75
1,3-Dichlorobenzene
Concen: 0.430 ppbv
RT: 16.317 min Scan# 41
Delta R.T. -0.012 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

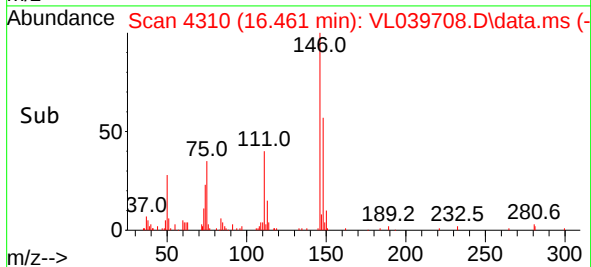
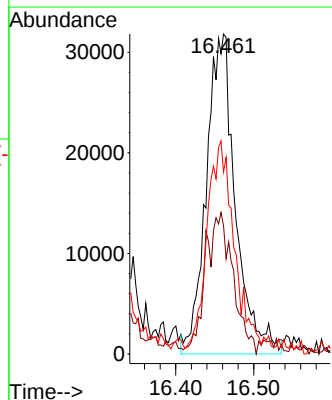
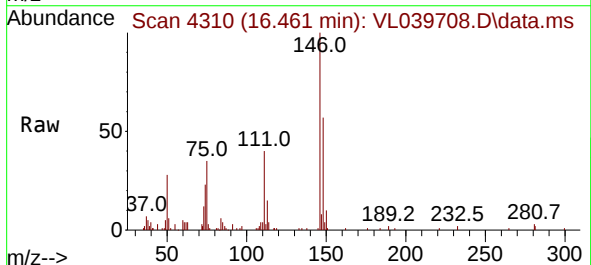
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

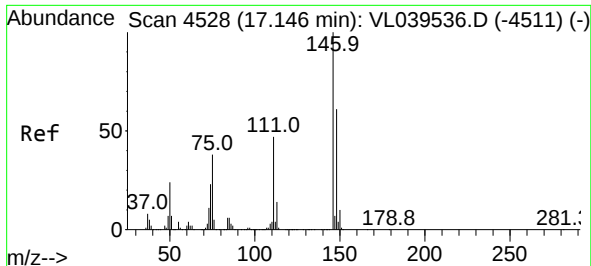
Tgt Ion:146 Resp: 72947
Ion Ratio Lower Upper
146 100
111 51.3 22.9 68.7
148 75.6 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 0.488 ppbv m
RT: 16.461 min Scan# 4310
Delta R.T. -0.012 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion:146 Resp: 82807
Ion Ratio Lower Upper
146 100
111 0.0 22.9 68.8#
148 0.0 33.6 100.8#





#77

1,2-Dichlorobenzene

Concen: 0.513 ppbv m

RT: 17.127 min Scan# 4

Delta R.T. -0.019 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

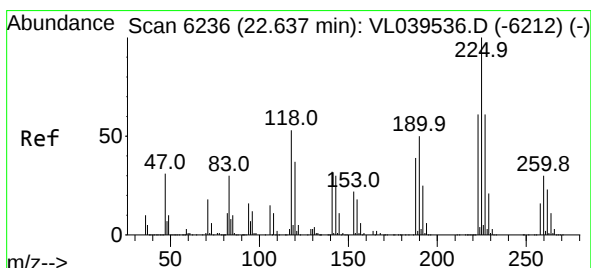
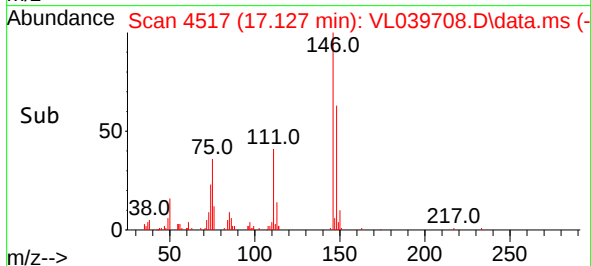
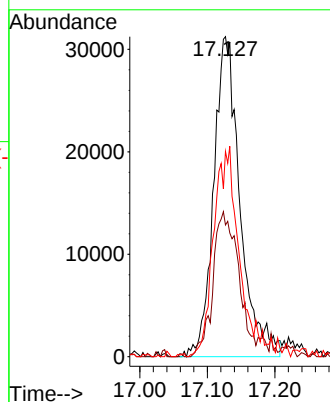
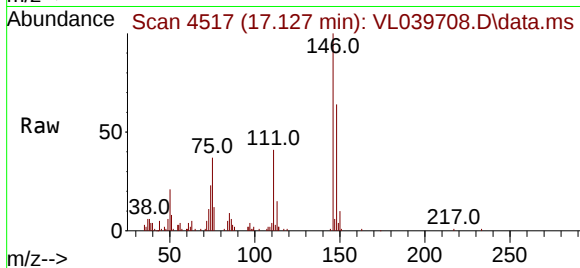
Tgt Ion:146 Resp: 84768

Ion Ratio Lower Upper

146 100

111 47.2 23.8 71.5

148 0.0 32.3 96.8#



#78

Hexachloro-1,3-Butadiene

Concen: 0.452 ppbv

RT: 22.612 min Scan# 6223

Delta R.T. -0.025 min

Lab File: VL039708.D

Acq: 10 Oct 2022 22:52

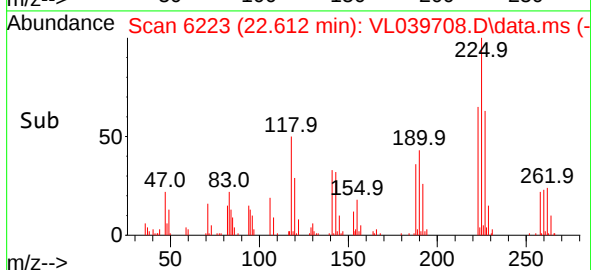
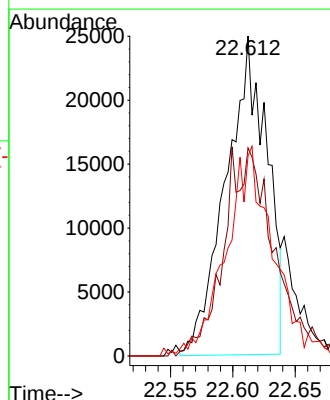
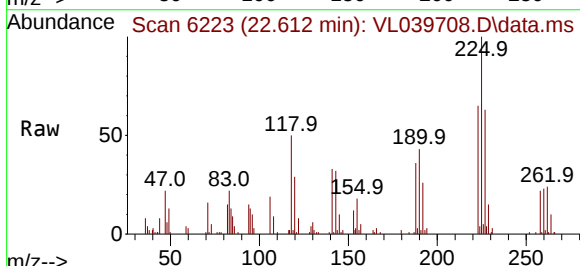
Tgt Ion:225 Resp: 57134

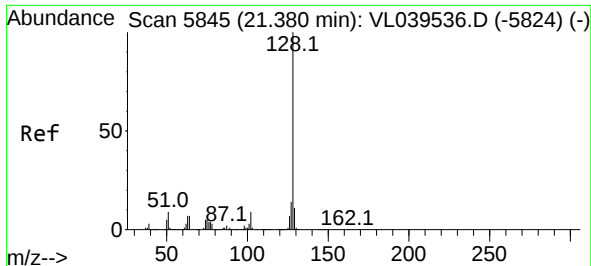
Ion Ratio Lower Upper

225 100

223 80.9 51.8 77.6#

227 75.7 51.4 77.2

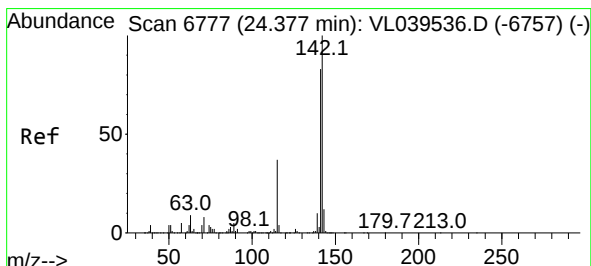
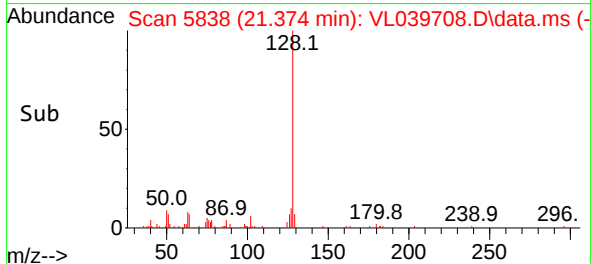
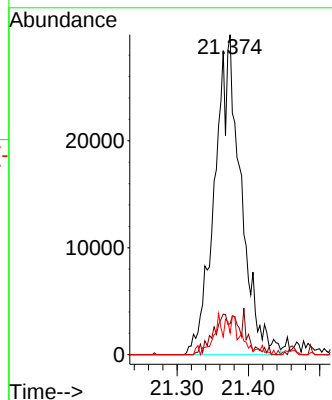
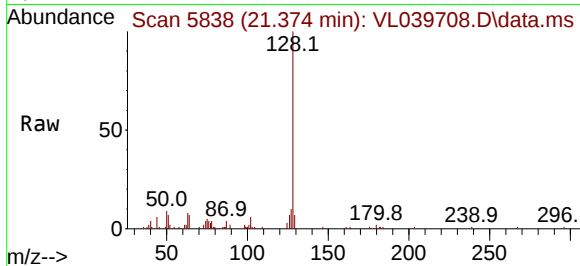




#79
Naphthalene
Concen: 0.409 ppbv m
RT: 21.374 min Scan# 5838
Delta R.T. -0.006 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

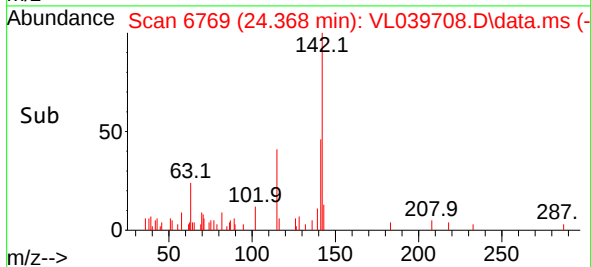
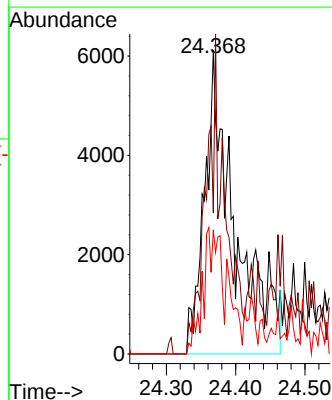
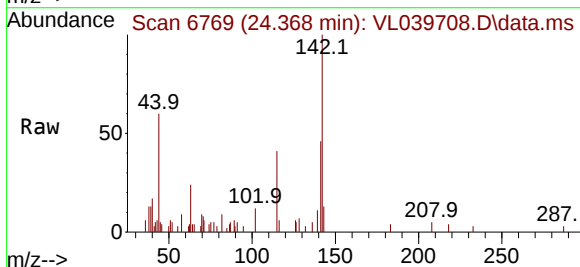
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

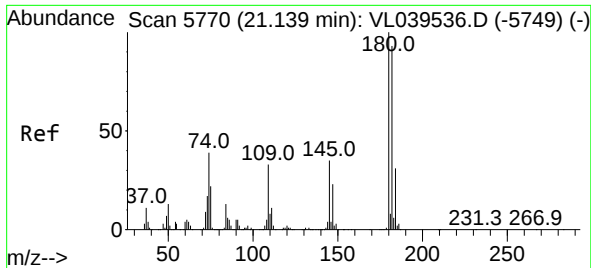
Tgt Ion:128 Resp: 76582
Ion Ratio Lower Upper
128 100
127 9.7 10.6 15.8#
129 6.7 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.265 ppbv
RT: 24.368 min Scan# 6769
Delta R.T. -0.009 min
Lab File: VL039708.D
Acq: 10 Oct 2022 22:52

Tgt Ion:142 Resp: 18687
Ion Ratio Lower Upper
142 100
141 75.0 68.9 103.3
115 31.9 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 0.440 ppbv m
 RT: 21.127 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VL039708.D
 Acq: 10 Oct 2022 22:52

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Tgt Ion:180 Resp: 54225
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.1 115.7#
 184 31.3 24.3 36.5

