

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039709.D
 Acq On : 10 Oct 2022 23:30
 Operator : SY/AP
 Sample : N4955-15 MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 11 07:23:53 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	1023421	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2697529	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2393569	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1812326	10.143	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	82340	0.694	ppbv	90
3) Chlorodifluoromethane	2.690	51	54219	0.446	ppbv	99
4) Chloromethane	2.829	50	35539	0.485	ppbv	91
5) Vinyl Chloride	2.935	62	26440	0.433	ppbv	98
6) Bromomethane	3.137	94	10452m	0.464	ppbv	
7) Chloroethane	3.211	64	11858m	0.531	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	67369m	0.473	ppbv	
9) Propene	2.713	41	29587m	0.533	ppbv	
10) Heptane	7.568	43	52636m	0.407	ppbv	
11) Trichlorofluoromethane	3.575	101	56562	0.385	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	48646	0.438	ppbv	95
13) Ethanol	3.269	45	4048m	0.958	ppbv	
14) Bromoethene	3.375	108	17185	0.388	ppbv #	88
15) Acetone	3.494	43	56935m	0.500	ppbv	
16) 1,3-Butadiene	2.999	39	24398	0.422	ppbv	100
17) tert-Butyl alcohol	3.909	59	46389m	0.454	ppbv	
18) 1,1-Dichloroethene	3.890	96	20852m	0.427	ppbv	
19) Isopropyl Alcohol	3.600	45	27894m	0.481	ppbv	
20) Methylene Chloride	3.944	84	26295	0.499	ppbv	93
21) Allyl Chloride	4.005	41	29356	0.379	ppbv	87
22) trans-1,2-Dichloroethene	4.452	96	21098	0.437	ppbv	94
23) Vinyl Acetate	4.639	43	18671	0.363	ppbv #	88
24) 1,1-Dichloroethane	4.571	63	45601	0.445	ppbv #	96
25) Ethyl Acetate	5.218	43	98177	0.395	ppbv #	94
26) Hexane	5.211	57	45886	0.435	ppbv	93
27) Carbon Disulfide	4.128	76	36822m	0.332	ppbv	
28) Methyl tert-Butyl Ether	4.603	73	35034	0.396	ppbv	91
29) Chloroform	5.272	83	62450	0.411	ppbv	95
30) Cyclohexane	6.597	84	31243m	0.383	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	41761m	0.438	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	57593m	0.418	ppbv	
34) 2-Butanone	4.803	43	46905	0.354	ppbv	99
35) Carbon Tetrachloride	6.491	117	52670	0.368	ppbv	87
36) Benzene	6.362	78	82103	0.398	ppbv #	89
37) 1,2-Dichloroethane	5.806	62	46955m	0.418	ppbv	
38) Trichloroethene	7.282	130	43694	0.392	ppbv	95
39) 1,2-Dichloropropane	7.063	63	29687	0.373	ppbv	96
40) 1,4-Dioxane	7.320	88	13595m	0.418	ppbv	
41) Tetrahydrofuran	5.584	42	31591m	0.389	ppbv	
42) Bromodichloromethane	7.243	83	58899m	0.377	ppbv	
43) Methyl Methacrylate	7.478	69	25977m	0.346	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	139244	0.392	ppbv	94
45) t-1,3-Dichloropropene	8.700	75	17358m	0.273	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

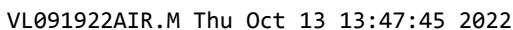
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

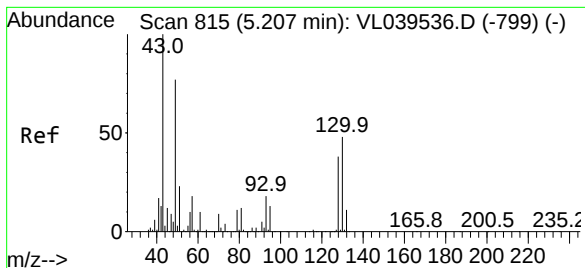
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	25698	0.284	ppbv #	82
47) 1,1,2-Trichloroethane	8.893	97	35867m	0.412	ppbv	
48) Dibromochloromethane	9.693	129	39440	0.301	ppbv	97
49) Bromoform	12.391	173	31756m	0.293	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	66720	0.320	ppbv	99
51) 2-Hexanone	9.565	43	50302m	0.326	ppbv	
52) Tetrachloroethene	10.600	164	32673m	0.415	ppbv	
53) Toluene	9.204	91	75740	0.330	ppbv	99
54) 1,2-Dibromoethane	9.995	107	34964m	0.375	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.491	131	38864m	0.402	ppbv	
57) Chlorobenzene	11.510	112	80992	0.460	ppbv #	92
58) Ethyl Benzene	12.076	91	92298m	0.334	ppbv	
59) m/p-Xylene	12.359	91	169067m	0.688	ppbv	
60) o-Xylene	13.047	91	82997m	0.354	ppbv	
61) Styrene	12.892	104	35066m	0.278	ppbv	
62) Isopropylbenzene	14.018	105	142835	0.405	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.028	83	43320m	0.463	ppbv	
64) n-propylbenzene	14.899	120	31328m	0.347	ppbv	
65) tert-Butylbenzene	16.079	119	115762	0.371	ppbv	93
66) Benzyl Chloride	16.304	91	8833m	0.356	ppbv	
67) sec-Butylbenzene	16.619	105	162469	0.371	ppbv	99
69) p-Isopropyltoluene	16.982	119	128673m	0.358	ppbv	
70) n-Butylbenzene	17.876	91	126255m	0.358	ppbv	
71) 2-Chlorotoluene	14.786	91	88563	0.348	ppbv	97
72) 4-Ethyltoluene	15.185	105	95056m	0.355	ppbv	
73) 1,3,5-Trimethylbenzene	15.339	105	83708	0.342	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.098	105	106900m	0.389	ppbv	
75) 1,3-Dichlorobenzene	16.307	146	65326m	0.399	ppbv	
76) 1,4-Dichlorobenzene	16.455	146	71909m	0.439	ppbv	
77) 1,2-Dichlorobenzene	17.124	146	71660m	0.448	ppbv	
78) Hexachloro-1,3-Butadiene	22.609	225	57127	0.468	ppbv	97
79) Naphthalene	21.371	128	52772	0.291	ppbv #	91
80) Naphthalene,2-methyl-	24.371	142	10178	0.149	ppbv	91
81) 1,2,4-Trichlorobenzene	21.127	180	44440m	0.373	ppbv	

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

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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

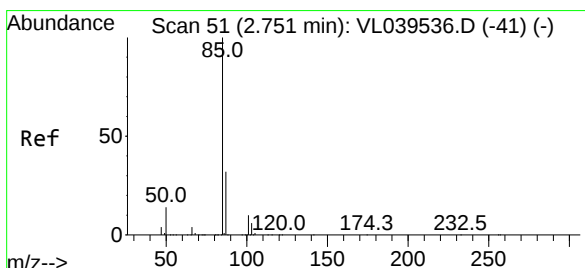
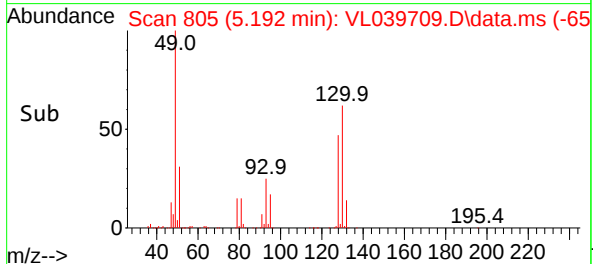
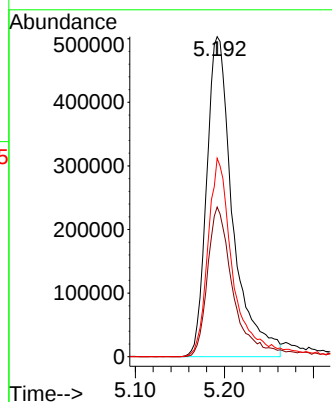
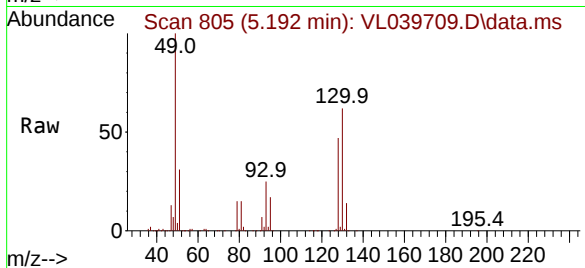




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.015 min
 Lab File: VL039709.D
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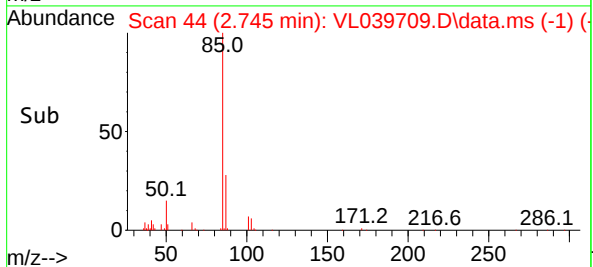
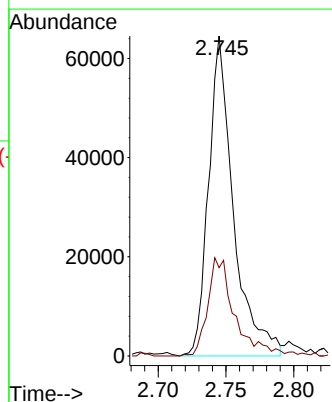
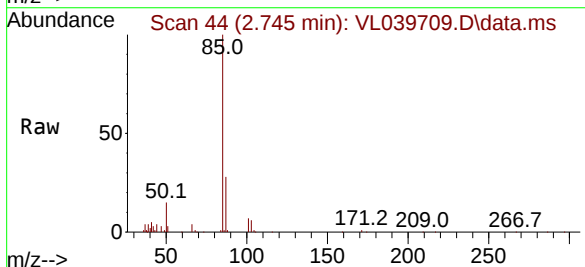
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

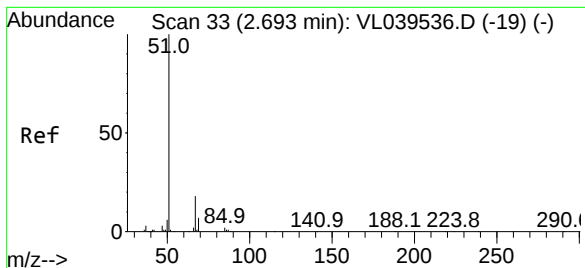
Tgt Ion: 49 Resp: 1023421
 Ion Ratio Lower Upper
 49 100
 128 48.1 26.7 80.0
 130 62.4 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.694 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 85 Resp: 82340
 Ion Ratio Lower Upper
 85 100
 87 27.6 26.7 40.1

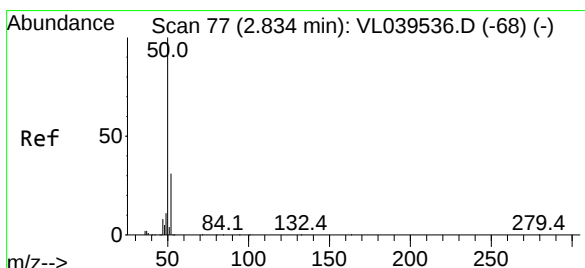
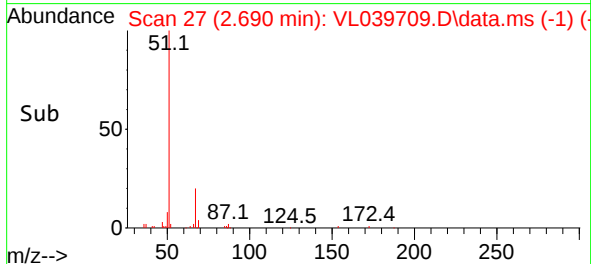
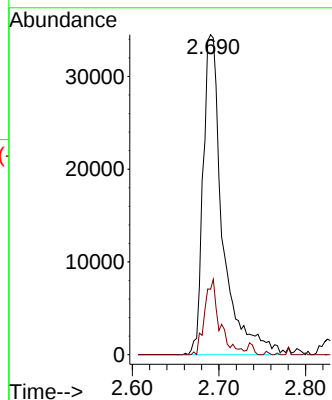
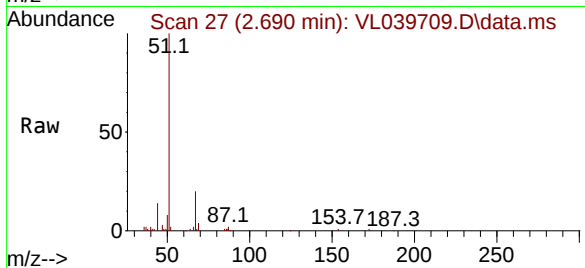




#3
Chlorodifluoromethane
Concen: 0.446 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

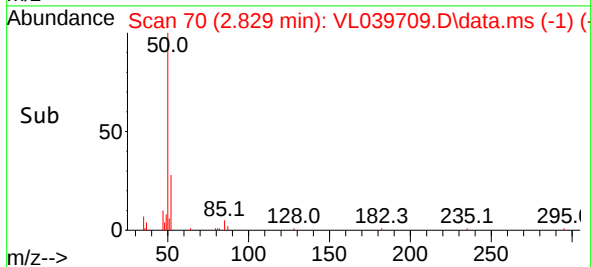
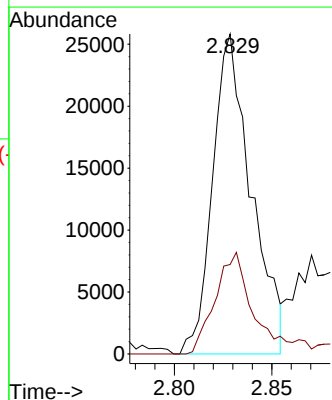
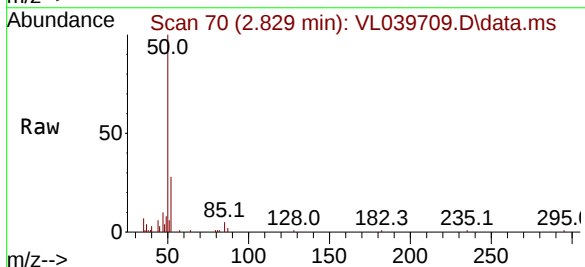
Instrument :
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ClientSampleId :
MDL-AIR-03-QT4-2022DL

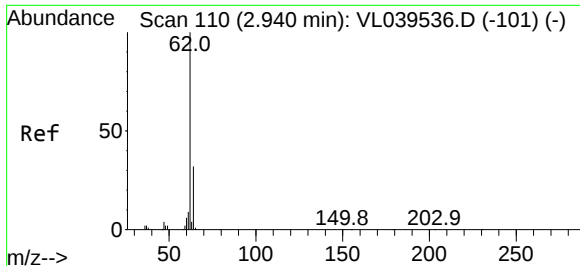
Tgt Ion: 51 Resp: 54219
Ion Ratio Lower Upper
51 100
67 19.2 15.7 23.5



#4
Chloromethane
Concen: 0.485 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 50 Resp: 35539
Ion Ratio Lower Upper
50 100
52 27.9 26.5 39.7

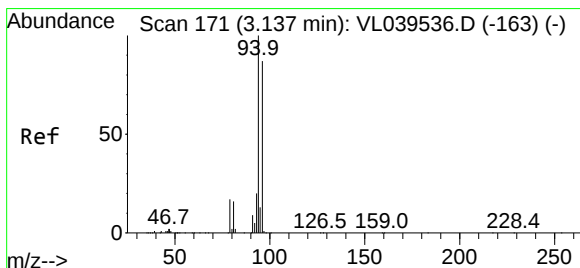
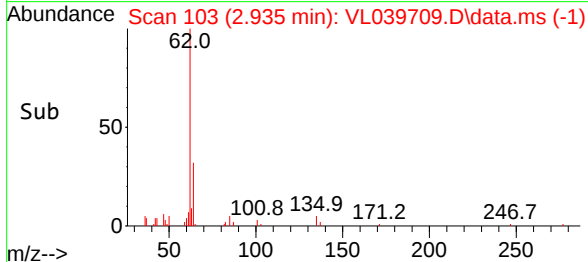
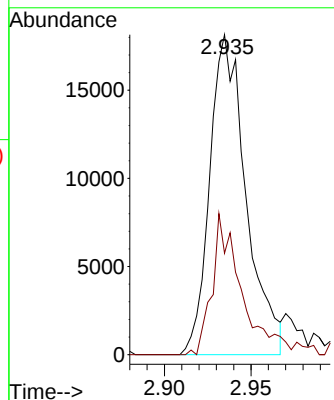
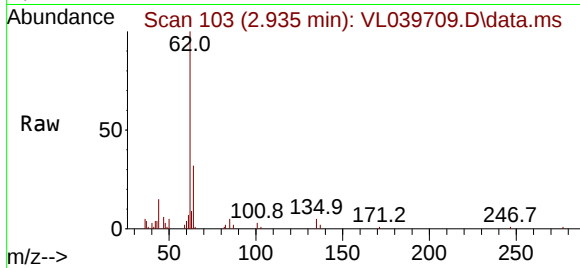




#5
 Vinyl Chloride
 Concen: 0.433 ppbv
 RT: 2.935 min Scan# 103
 Delta R.T. -0.006 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

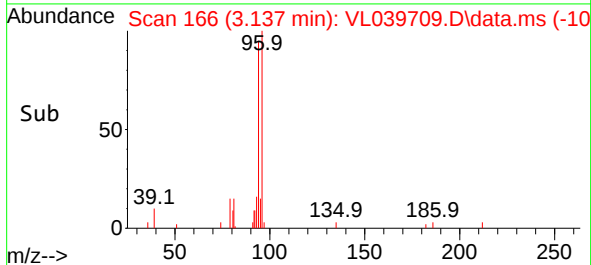
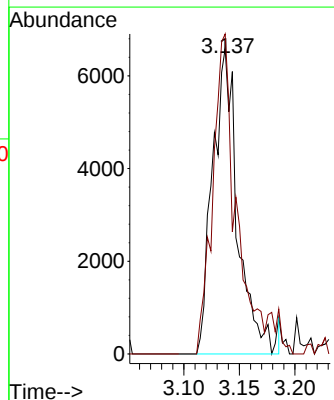
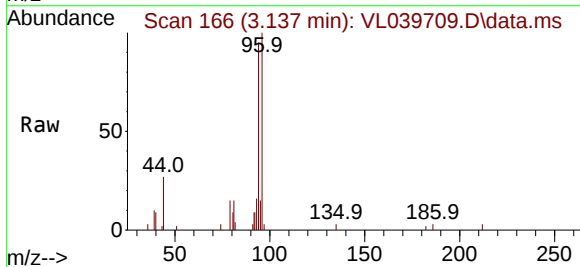
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

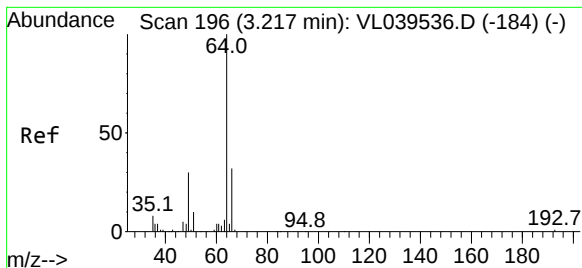
Tgt Ion: 62 Resp: 26440
 Ion Ratio Lower Upper
 62 100
 64 31.7 24.6 36.8



#6
 Bromomethane
 Concen: 0.464 ppbv m
 RT: 3.137 min Scan# 166
 Delta R.T. 0.001 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 94 Resp: 10452
 Ion Ratio Lower Upper
 94 100
 96 104.8 75.6 113.4





#7

Chloroethane

Concen: 0.531 ppbv m

RT: 3.211 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

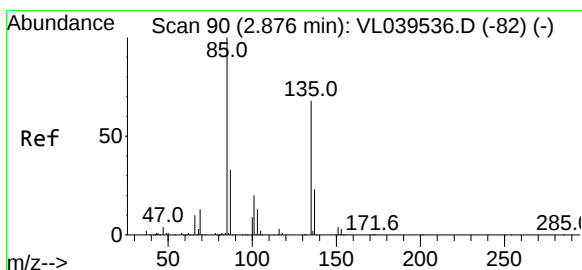
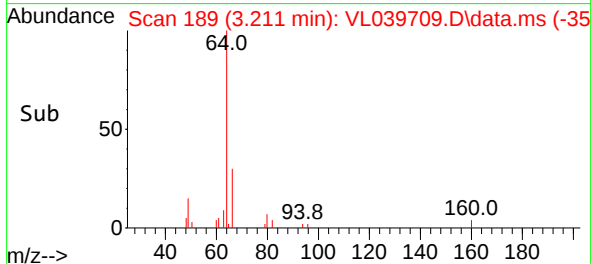
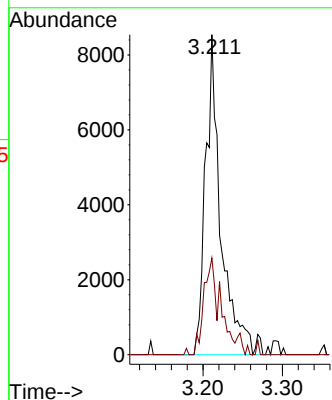
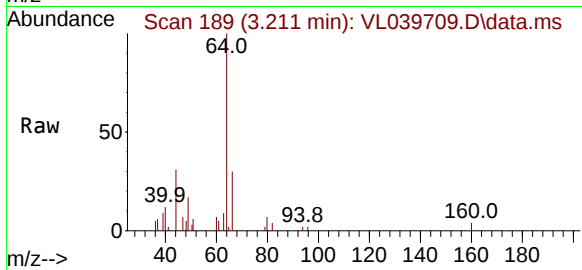
MDL-AIR-03-QT4-2022DL

Tgt Ion: 64 Resp: 11858

Ion Ratio Lower Upper

64 100

66 30.2 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 0.473 ppbv m

RT: 2.870 min Scan# 83

Delta R.T. -0.006 min

Lab File: VL039709.D

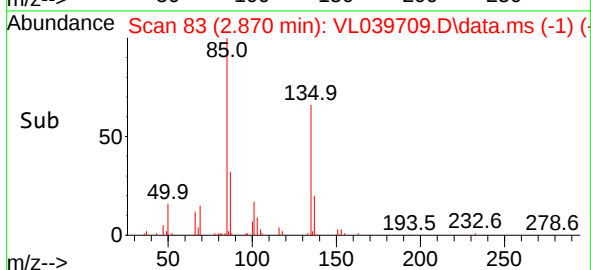
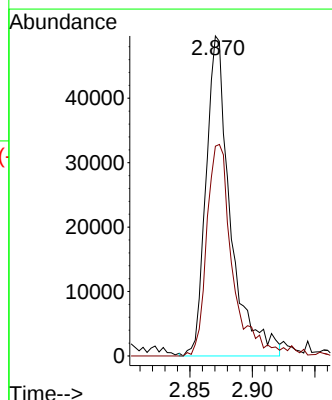
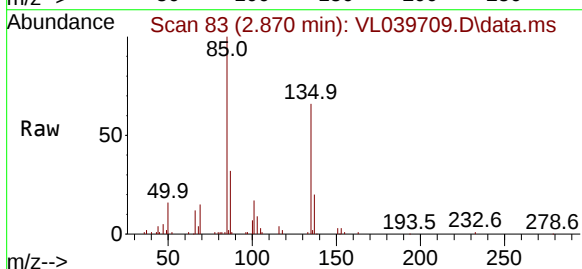
Acq: 10 Oct 2022 23:30

Tgt Ion: 85 Resp: 67369

Ion Ratio Lower Upper

85 100

135 71.2 59.0 88.4





#9

Propene

Concen: 0.533 ppbv m

RT: 2.713 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

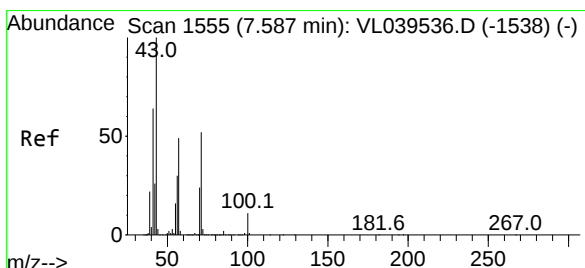
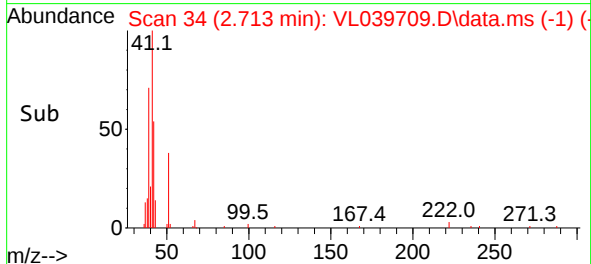
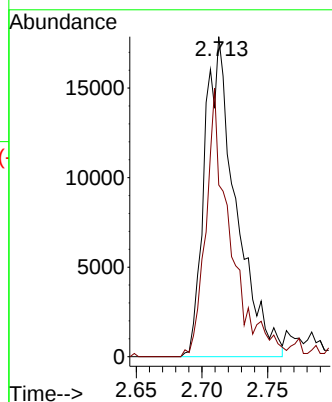
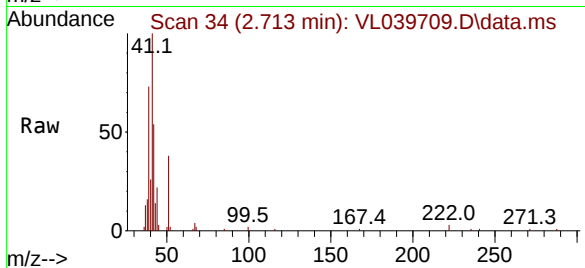
MDL-AIR-03-QT4-2022DL

Tgt Ion: 41 Resp: 29587

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#



#10

Heptane

Concen: 0.407 ppbv m

RT: 7.568 min Scan# 1544

Delta R.T. -0.019 min

Lab File: VL039709.D

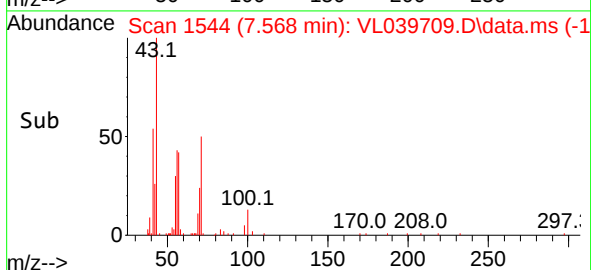
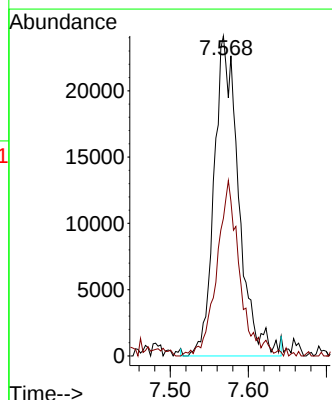
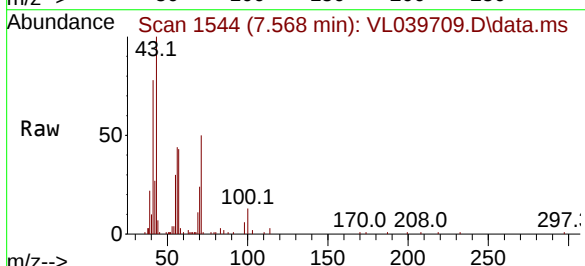
Acq: 10 Oct 2022 23:30

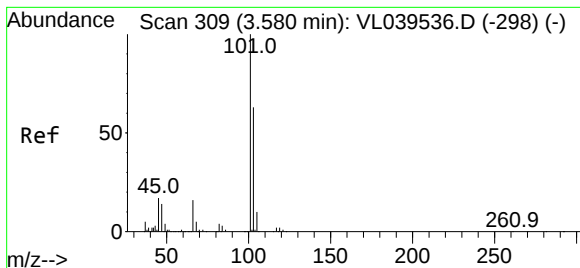
Tgt Ion: 43 Resp: 52636

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.385 ppbv

RT: 3.575 min Scan# 309

Delta R.T. -0.006 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

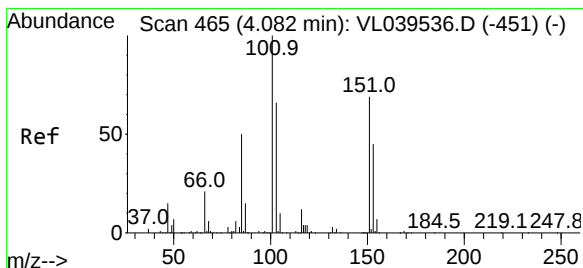
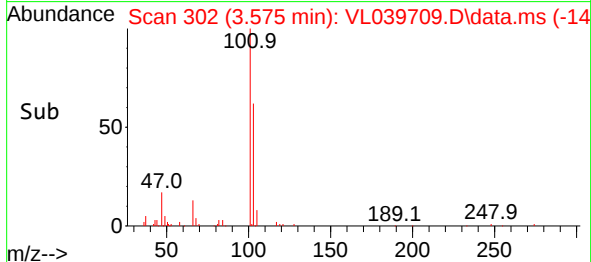
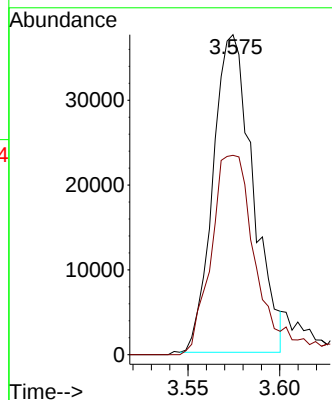
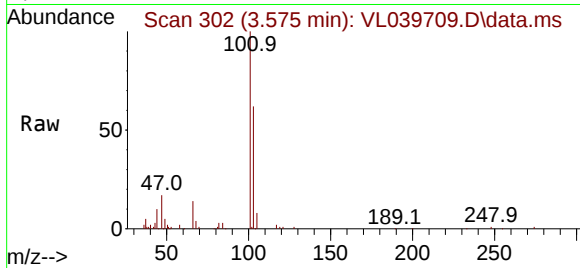
MDL-AIR-03-QT4-2022DL

Tgt Ion:101 Resp: 56562

Ion Ratio Lower Upper

101 100

103 62.8 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.438 ppbv

RT: 4.073 min Scan# 457

Delta R.T. -0.009 min

Lab File: VL039709.D

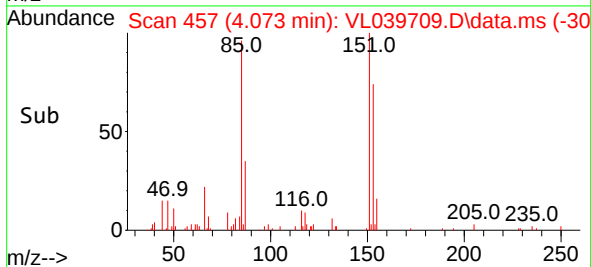
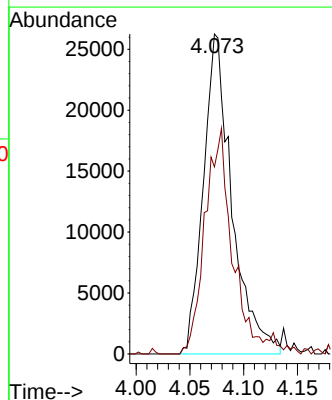
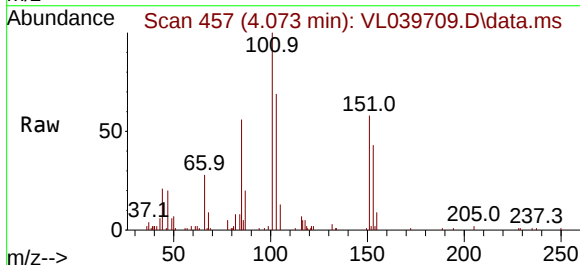
Acq: 10 Oct 2022 23:30

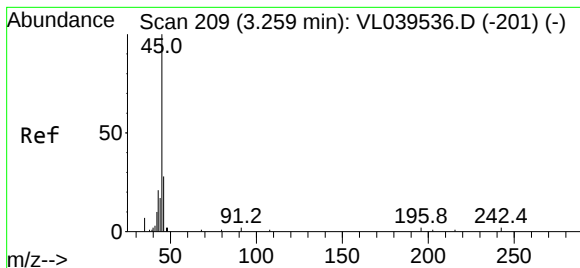
Tgt Ion:101 Resp: 48646

Ion Ratio Lower Upper

101 100

151 69.3 58.9 88.3





#13

Ethanol

Concen: 0.958 ppbv

RT: 3.269 min Scan# 209

Delta R.T. 0.010 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

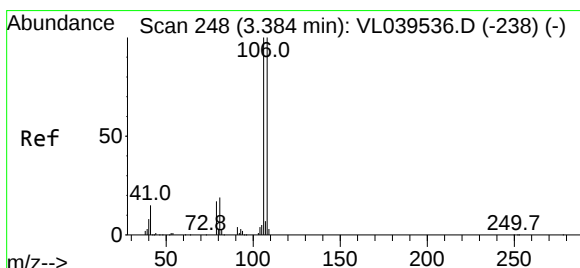
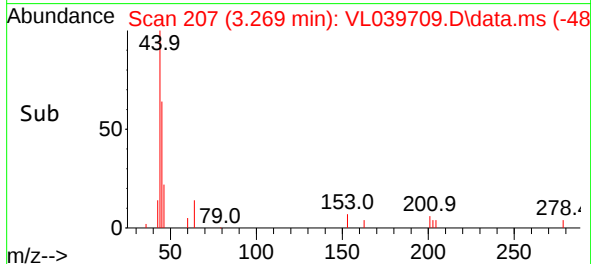
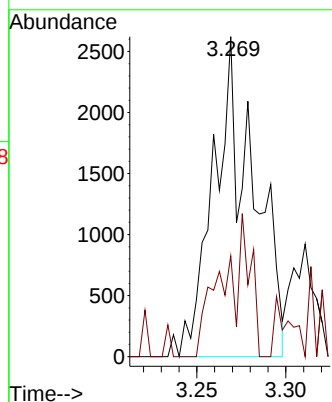
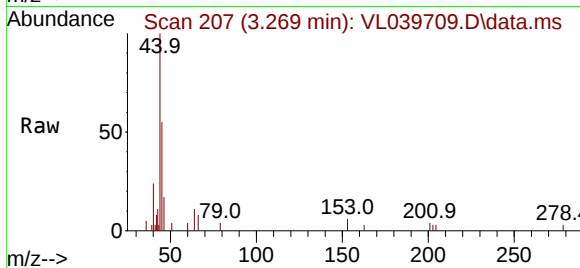
MDL-AIR-03-QT4-2022DL

Tgt Ion: 45 Resp: 4048

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#



#14

Bromoethene

Concen: 0.388 ppbv

RT: 3.375 min Scan# 240

Delta R.T. -0.009 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

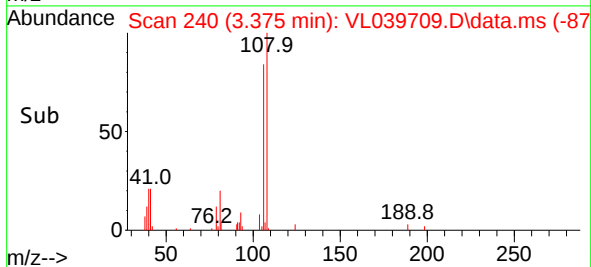
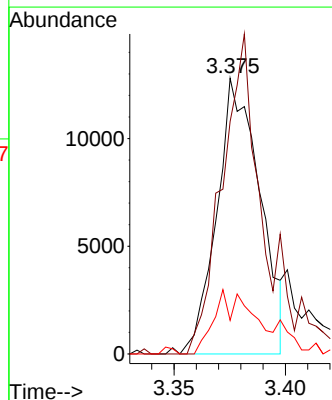
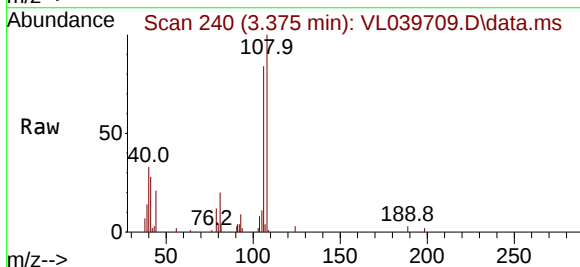
Tgt Ion: 108 Resp: 17185

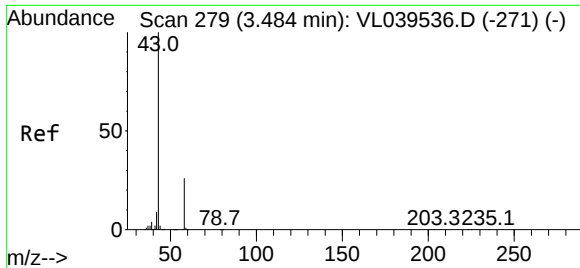
Ion Ratio Lower Upper

108 100

106 120.6 87.1 130.7

79 26.2 14.6 22.0#

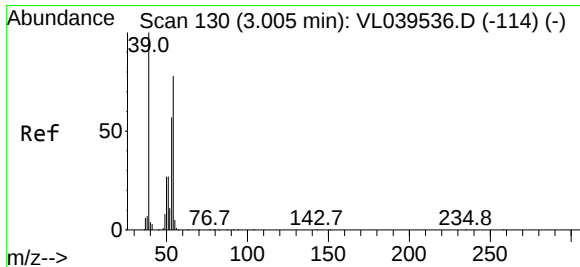
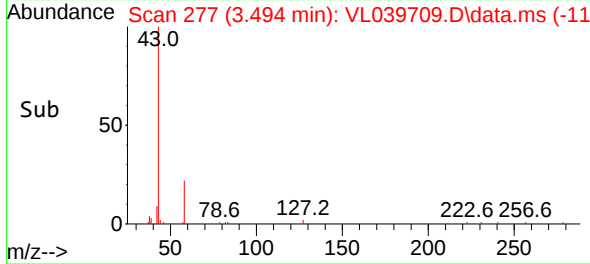
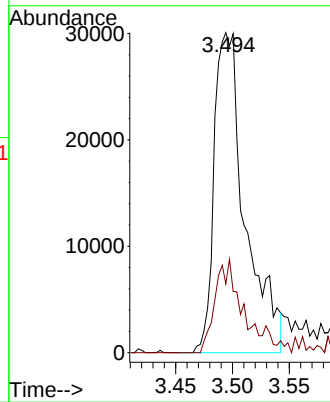
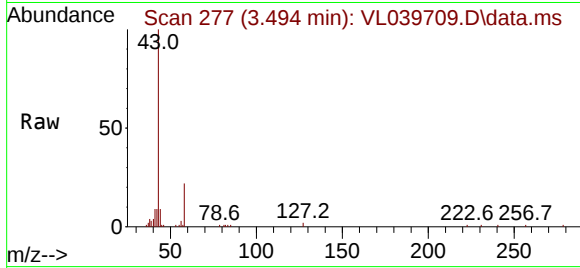




#15
Acetone
Concen: 0.500 ppbv m
RT: 3.494 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

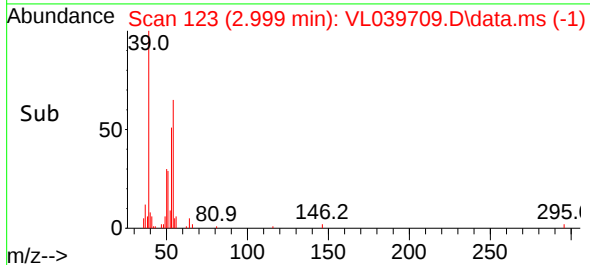
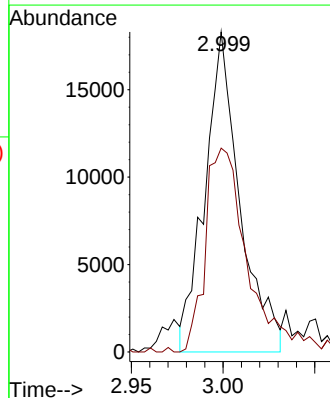
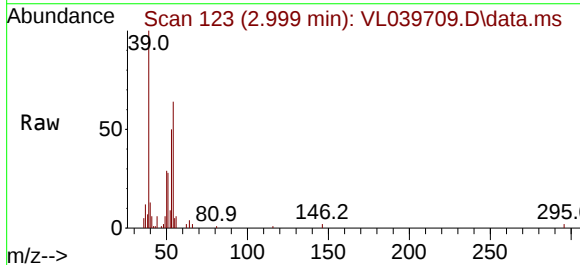
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

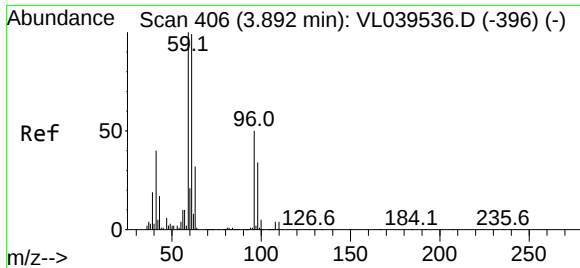
Tgt Ion: 43 Resp: 56935
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#16
1,3-Butadiene
Concen: 0.422 ppbv
RT: 2.999 min Scan# 123
Delta R.T. -0.006 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 39 Resp: 24398
Ion Ratio Lower Upper
39 100
54 79.7 63.7 95.5

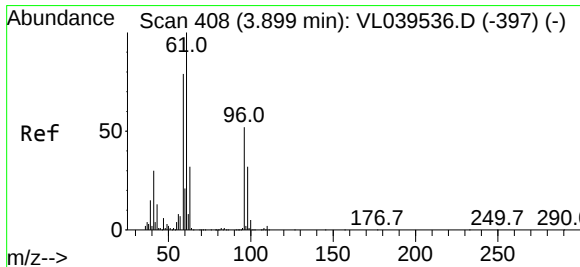
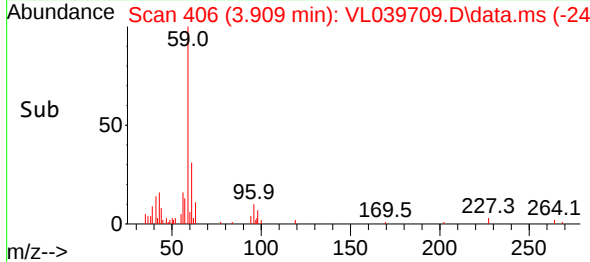
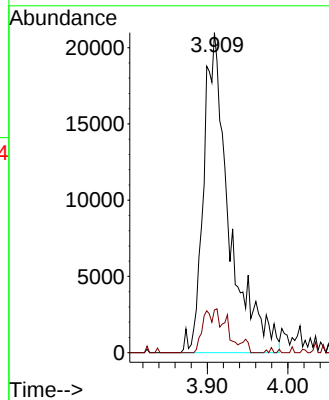
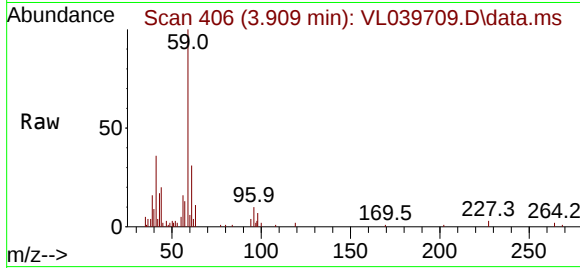




#17
tert-Butyl alcohol
Concen: 0.454 ppbv m
RT: 3.909 min Scan# 406
Delta R.T. 0.017 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

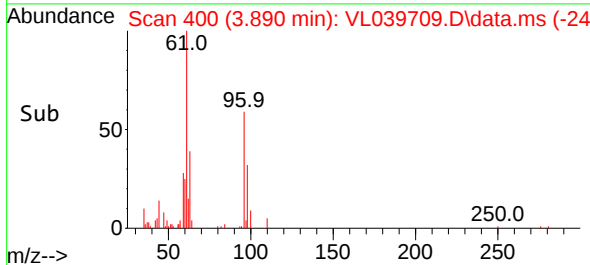
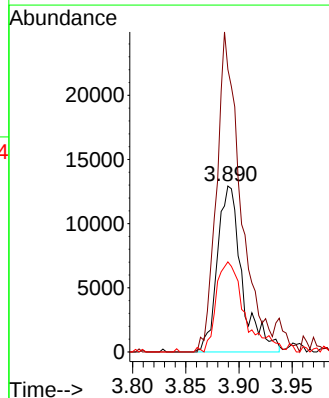
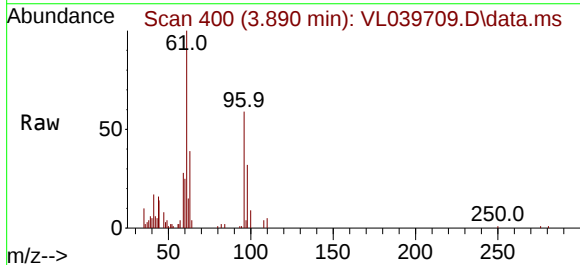
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

Tgt Ion: 59 Resp: 46389
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#18
1,1-Dichloroethene
Concen: 0.427 ppbv m
RT: 3.890 min Scan# 400
Delta R.T. -0.009 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 96 Resp: 20852
Ion Ratio Lower Upper
96 100
61 170.3 152.2 228.4
98 54.3 51.8 77.6

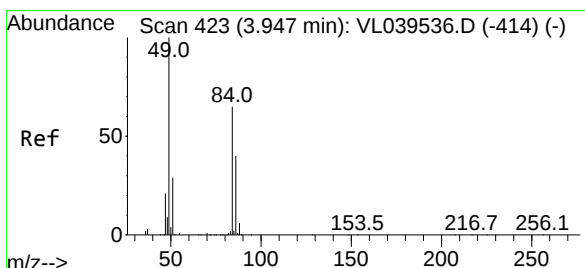
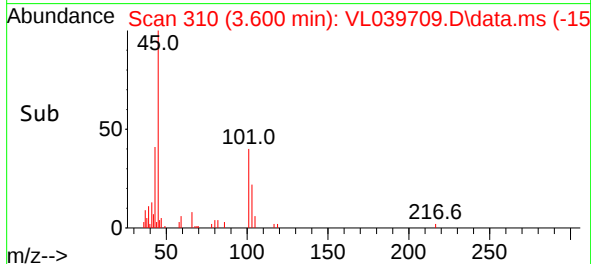
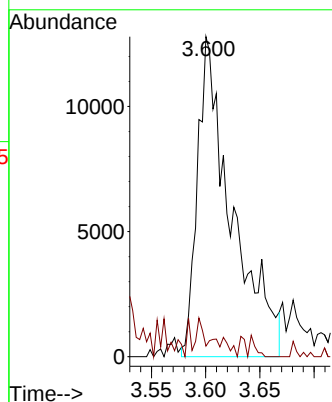
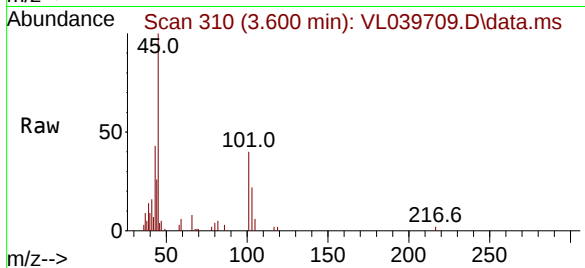




#19
Isopropyl Alcohol
Concen: 0.481 ppbv m
RT: 3.600 min Scan# 312
Delta R.T. 0.010 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

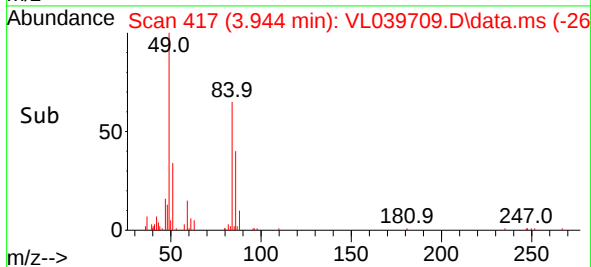
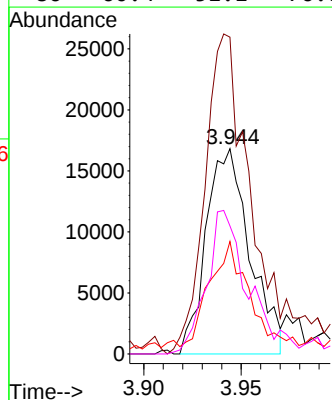
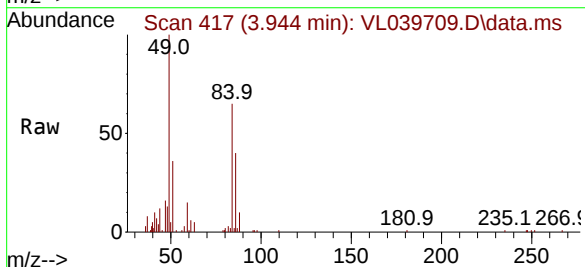
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

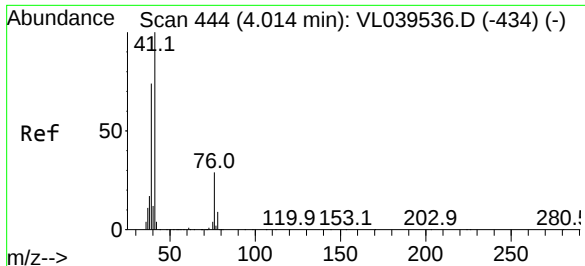
Tgt Ion: 45 Resp: 27894
Ion Ratio Lower Upper
45 100
58 3.9 3.2 4.8



#20
Methylene Chloride
Concen: 0.499 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.003 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 84 Resp: 26295
Ion Ratio Lower Upper
84 100
49 146.2 123.1 184.7
51 51.2 34.4 51.6
86 60.4 51.1 76.7

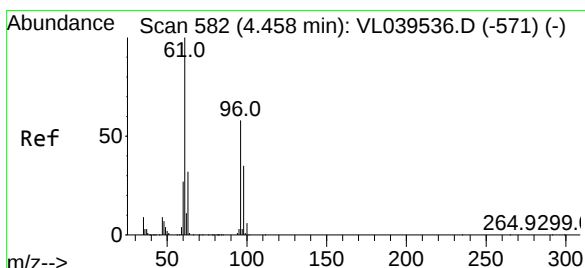
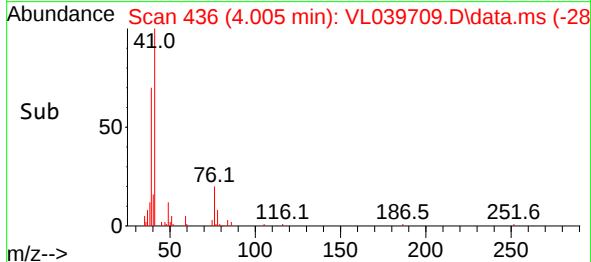
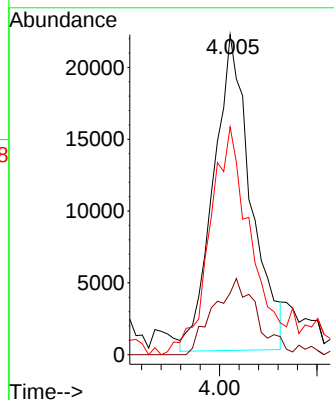
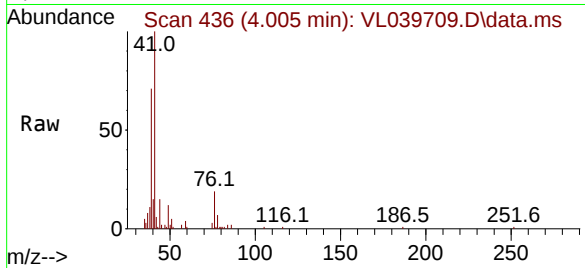




#21
 Allyl Chloride
 Concen: 0.379 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. -0.009 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

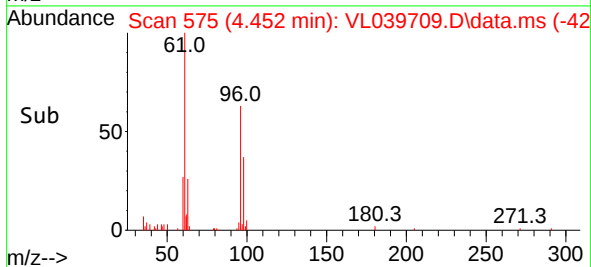
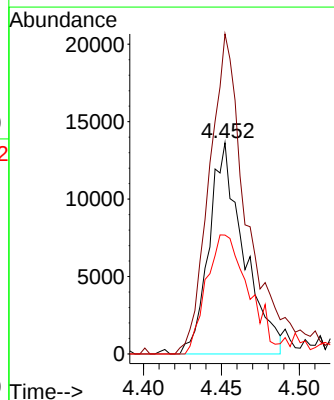
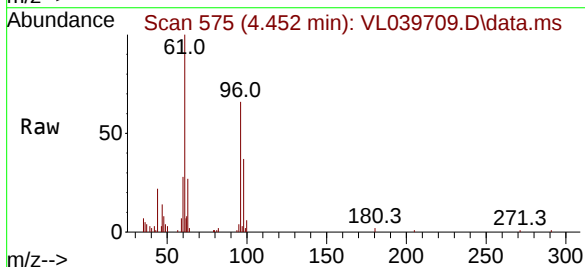
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

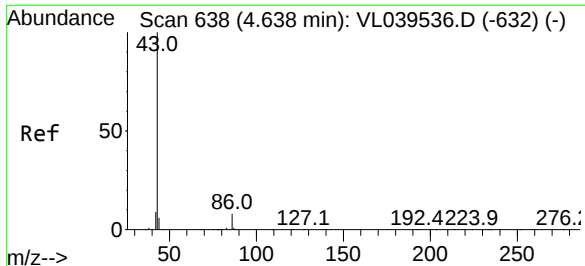
Tgt Ion: 41	Resp: 29356
Ion Ratio	Lower Upper
41	100
76	29.2 24.4 36.6
39	94.1 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 0.437 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. -0.006 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 96	Resp: 21098
Ion Ratio	Lower Upper
96	100
61	159.6 130.6 195.8
98	56.3 53.4 80.0

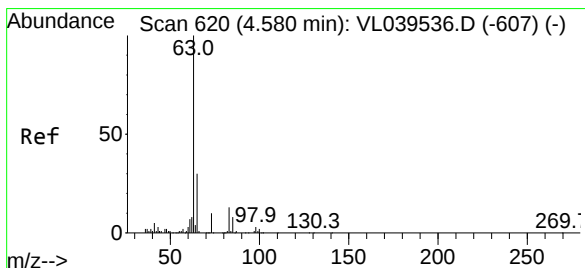
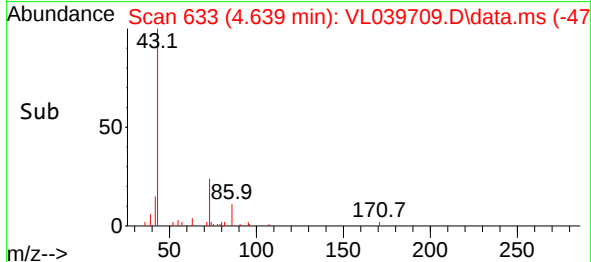
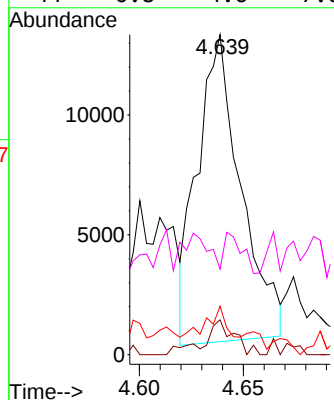
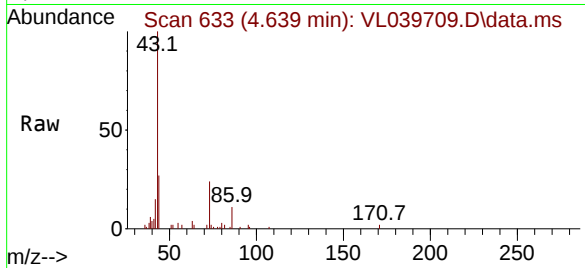




#23
 Vinyl Acetate
 Concen: 0.363 ppbv
 RT: 4.639 min Scan# 612
 Delta R.T. 0.001 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

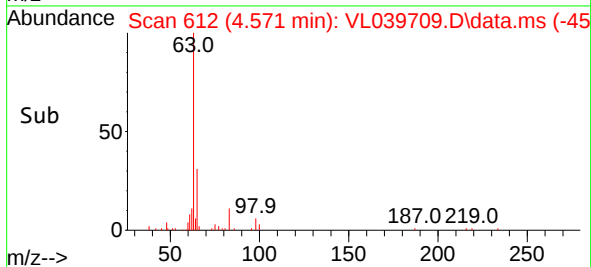
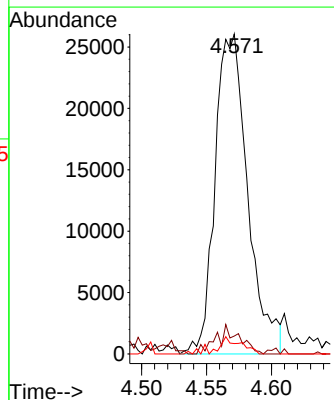
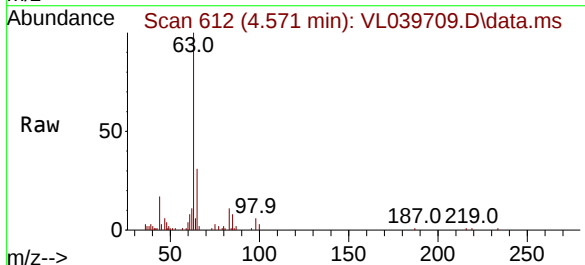
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

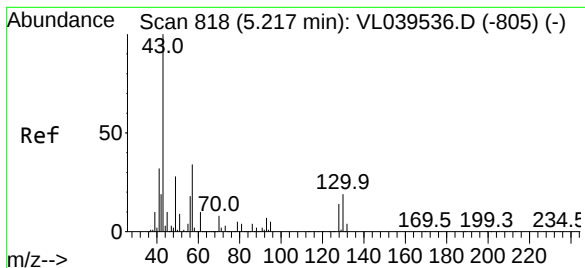
Tgt Ion:	43	Resp:	18671
Ion	Ratio	Lower	Upper
43	100		
86	12.9	5.0	7.6#
42	11.9	7.7	11.5#
44	0.8	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.445 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. -0.009 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion:	63	Resp:	45601
Ion	Ratio	Lower	Upper
63	100		
98	5.6	1.8	5.3#
100	3.2	1.5	4.4





#25

Ethyl Acetate

Concen: 0.395 ppbv

RT: 5.218 min Scan# 81

Delta R.T. 0.001 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion: 43 Resp: 98177

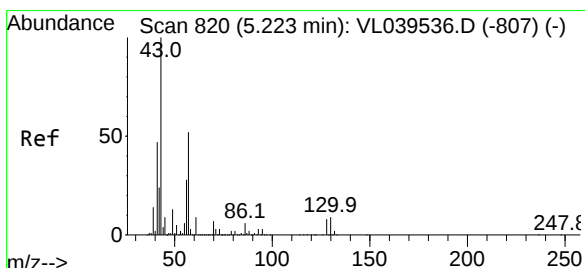
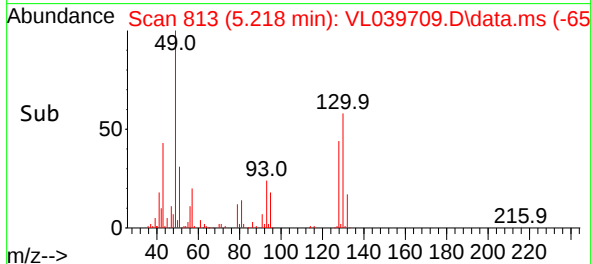
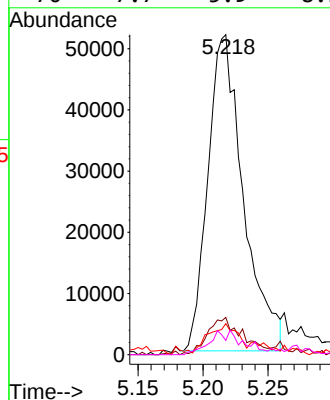
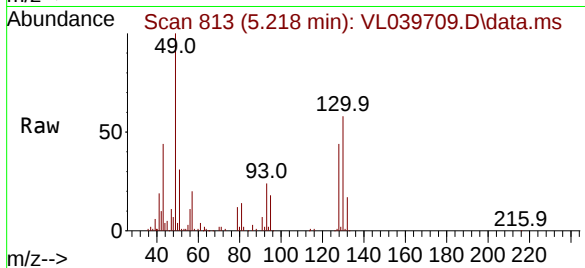
Ion Ratio Lower Upper

43 100

45 14.5 8.2 12.4#

61 12.2 8.3 12.5

70 7.7 5.9 8.9



#26

Hexane

Concen: 0.435 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Tgt Ion: 57 Resp: 45886

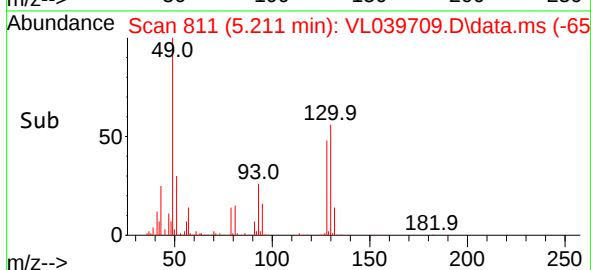
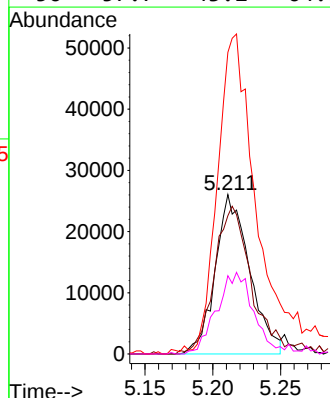
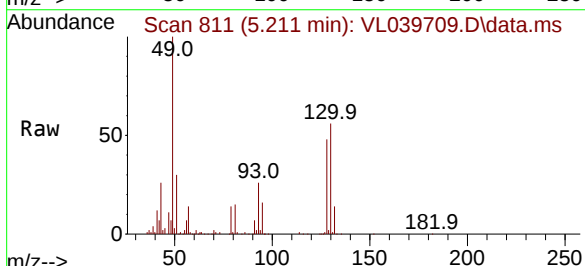
Ion Ratio Lower Upper

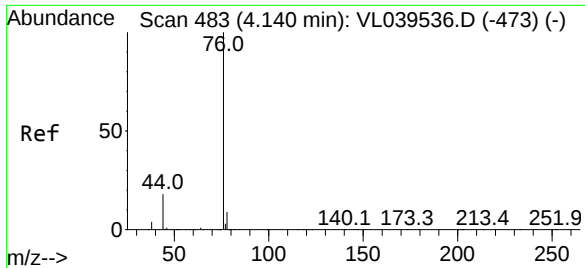
57 100

41 105.6 76.9 115.3

43 250.6 191.0 286.6

56 57.7 43.2 64.8

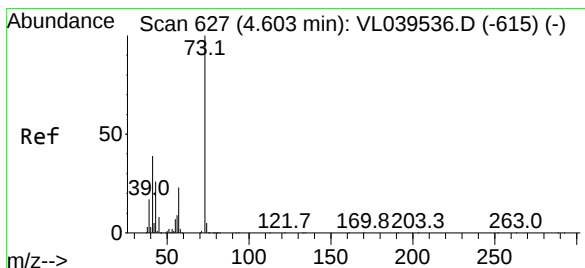
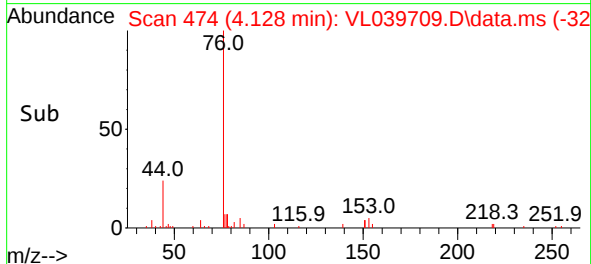
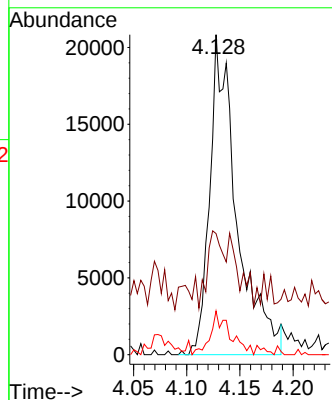
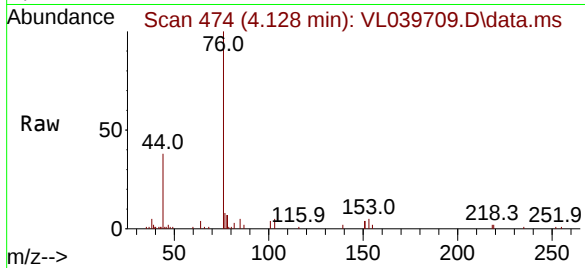




#27
Carbon Disulfide
Concen: 0.332 ppbv m
RT: 4.128 min Scan# 41
Delta R.T. -0.012 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

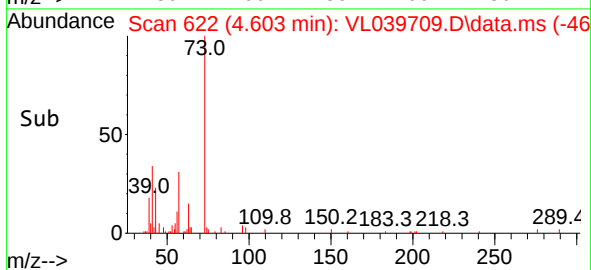
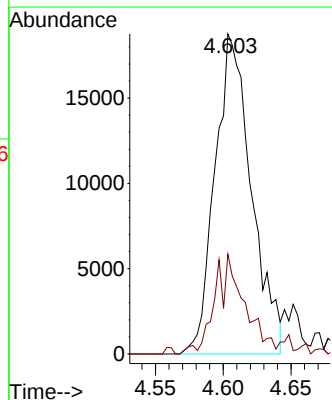
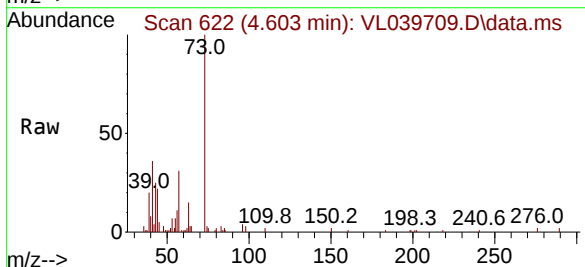
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

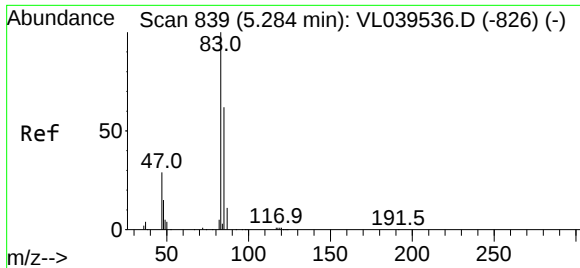
Tgt Ion: 76 Resp: 36822
Ion Ratio Lower Upper
76 100
44 27.4 14.6 21.8#
78 12.1 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 0.396 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.001 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 73 Resp: 35034
Ion Ratio Lower Upper
73 100
57 29.1 19.8 29.8

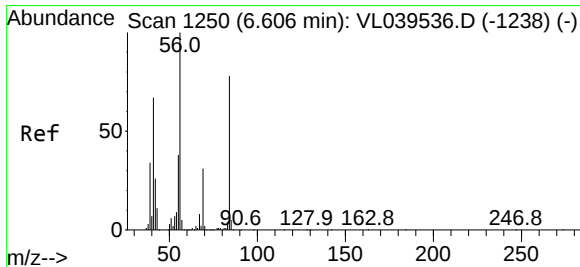
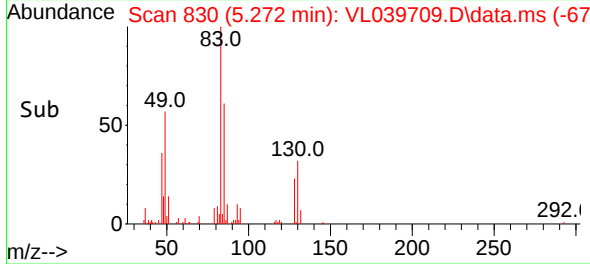
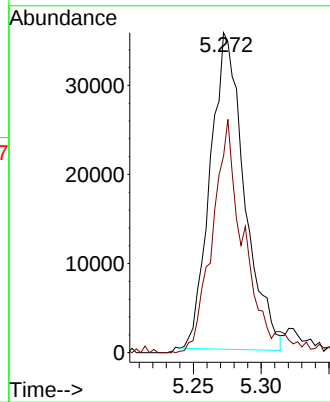
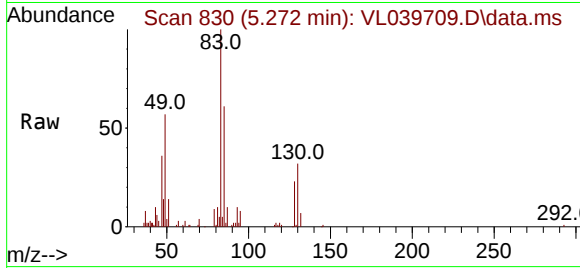




#29
Chloroform
Concen: 0.411 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.012 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

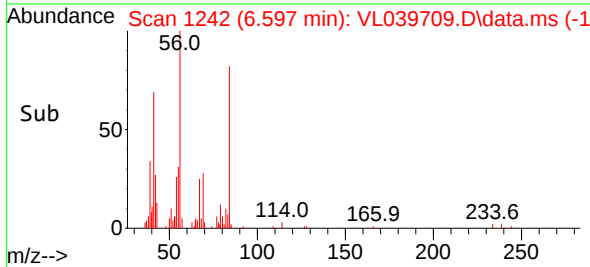
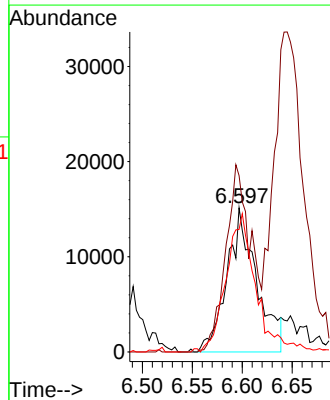
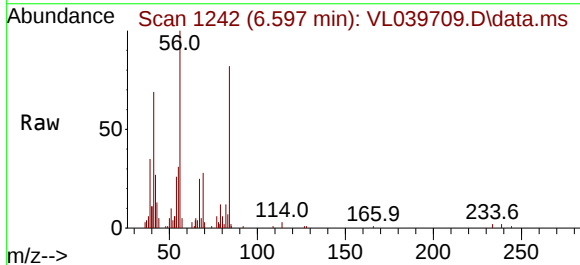
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

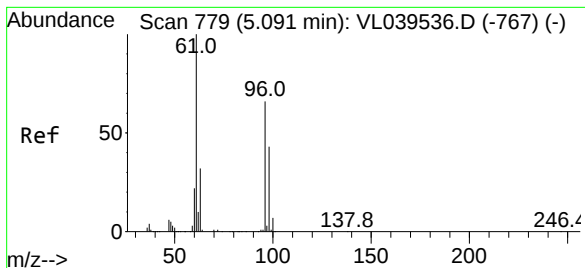
Tgt Ion: 83 Resp: 62450
Ion Ratio Lower Upper
83 100
85 61.8 52.8 79.2



#30
Cyclohexane
Concen: 0.383 ppbv m
RT: 6.597 min Scan# 1242
Delta R.T. -0.009 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 84 Resp: 31243
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 67.7 101.5#

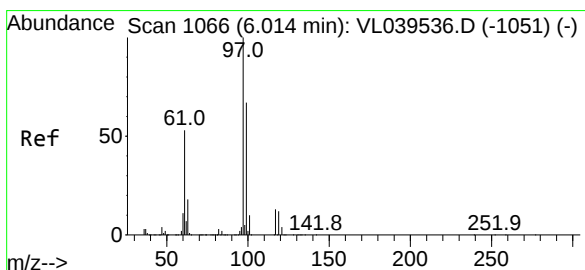
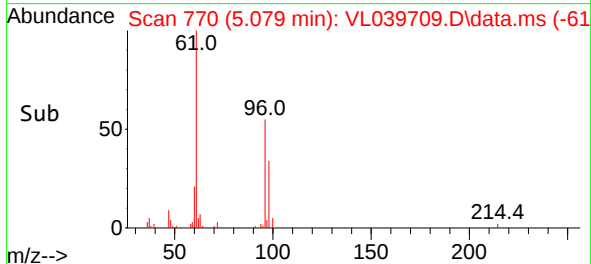
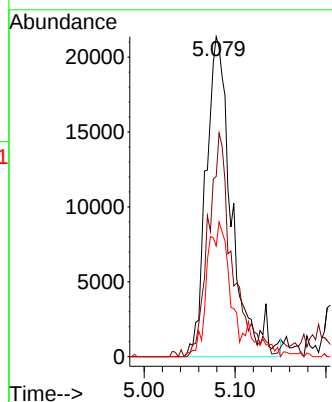
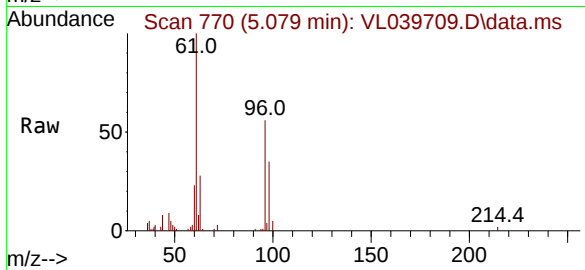




#31
 cis-1,2-Dichloroethene
 Concen: 0.438 ppbv m
 RT: 5.079 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

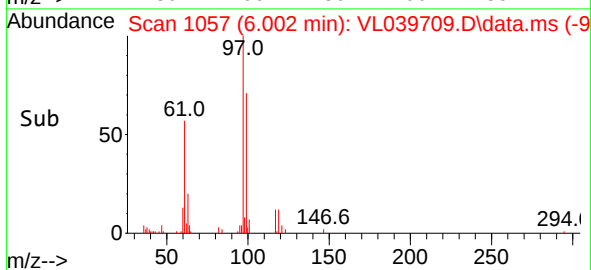
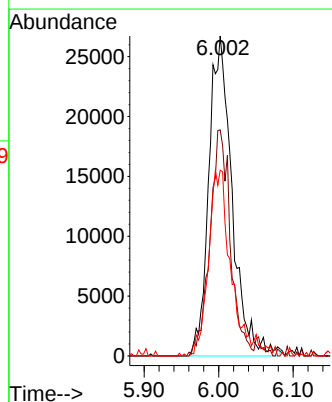
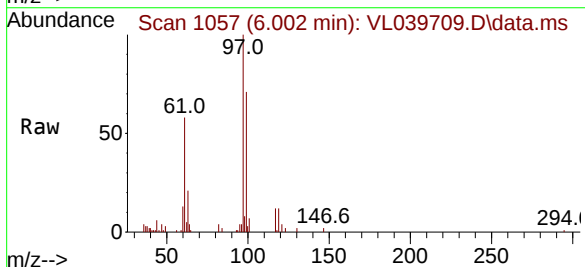
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

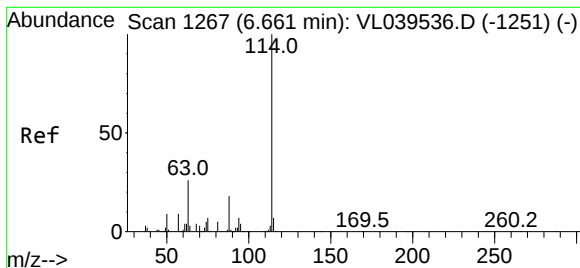
Tgt Ion: 61 Resp: 41761
 Ion Ratio Lower Upper
 61 100
 96 56.3 54.1 81.1
 98 34.6 34.6 52.0#



#32
 1,1,1-Trichloroethane
 Concen: 0.418 ppbv m
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.012 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 97 Resp: 57593
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 57.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.015 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

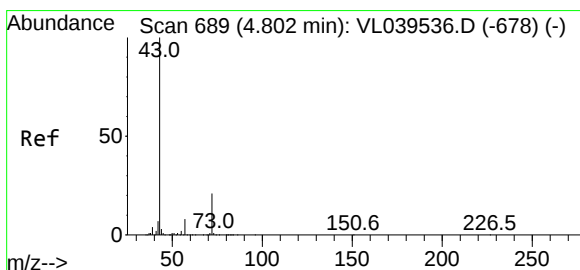
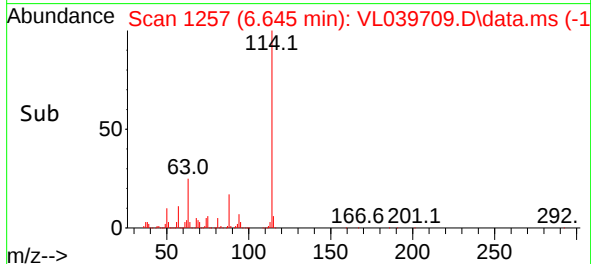
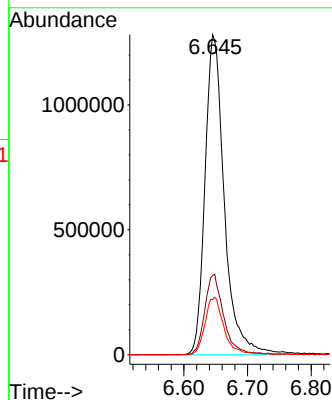
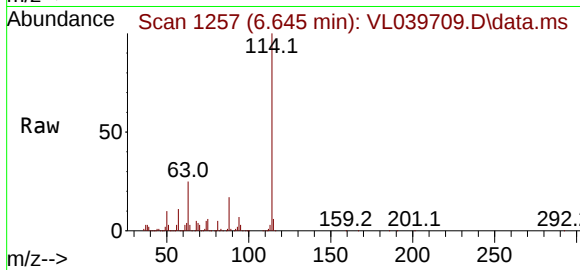
Tgt Ion:114 Resp: 2697529

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 0.354 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.001 min

Lab File: VL039709.D

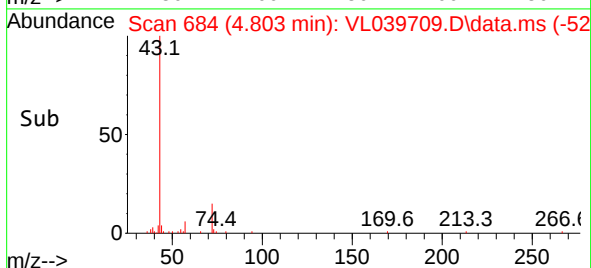
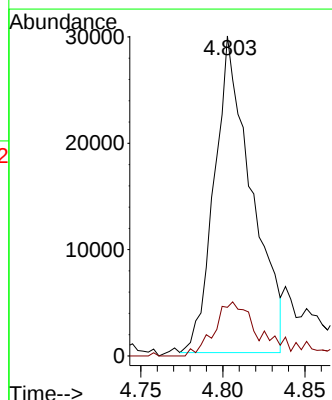
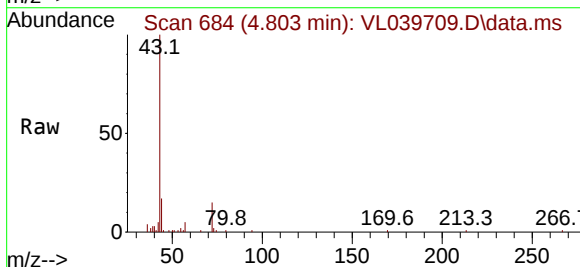
Acq: 10 Oct 2022 23:30

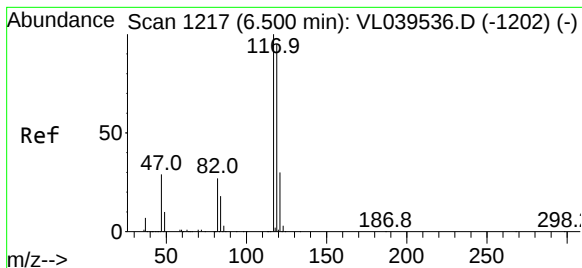
Tgt Ion: 43 Resp: 46905

Ion Ratio Lower Upper

43 100

72 23.0 17.9 26.9





#35

Carbon Tetrachloride

Concen: 0.368 ppbv

RT: 6.491 min Scan# 1169

Delta R.T. -0.009 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

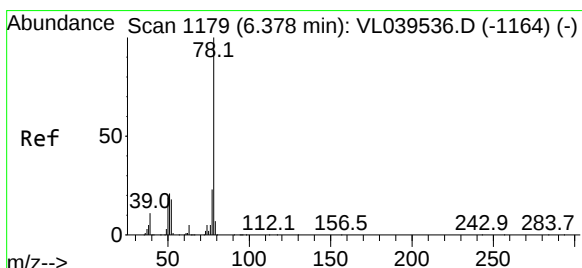
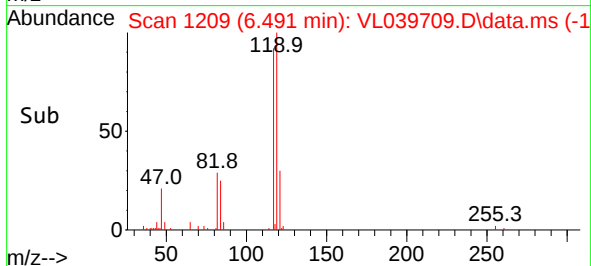
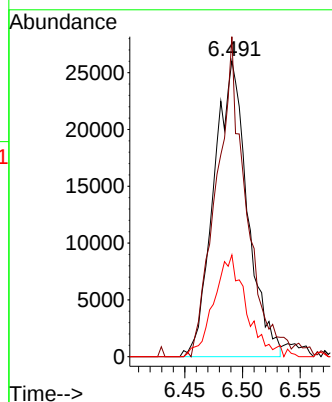
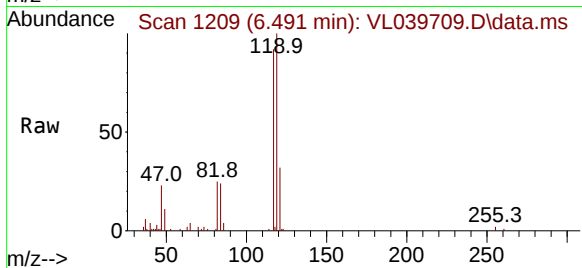
Tgt Ion:117 Resp: 52670

Ion Ratio Lower Upper

117 100

119 108.2 75.4 113.2

121 34.4 24.2 36.2



#36

Benzene

Concen: 0.398 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.015 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

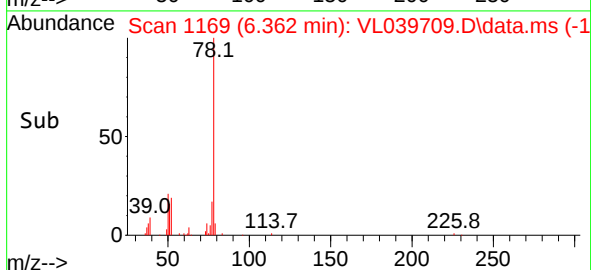
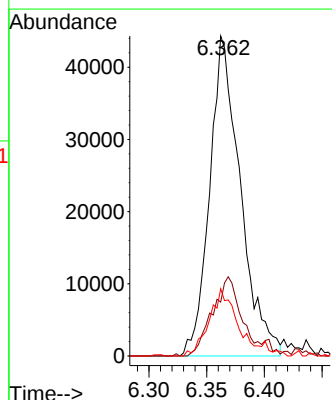
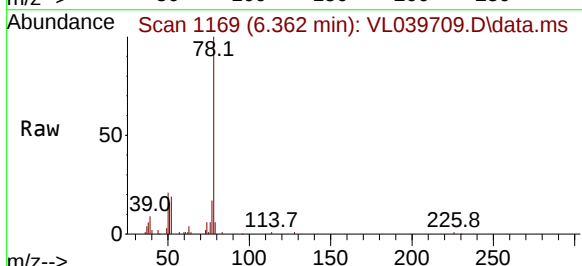
Tgt Ion: 78 Resp: 82103

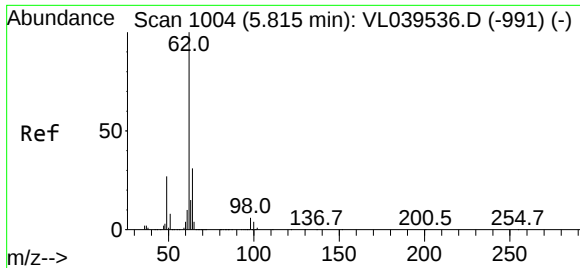
Ion Ratio Lower Upper

78 100

77 16.9 20.3 30.5#

50 21.0 15.5 23.3

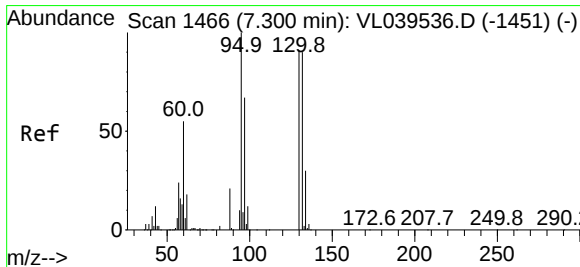
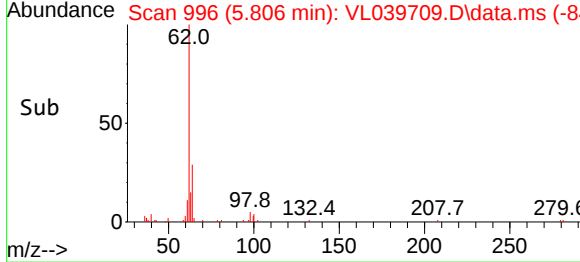
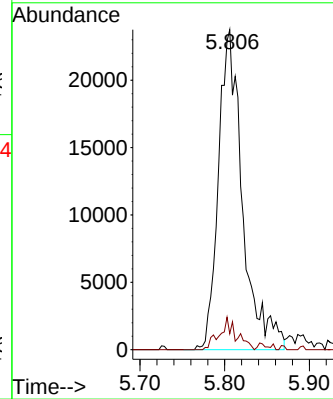
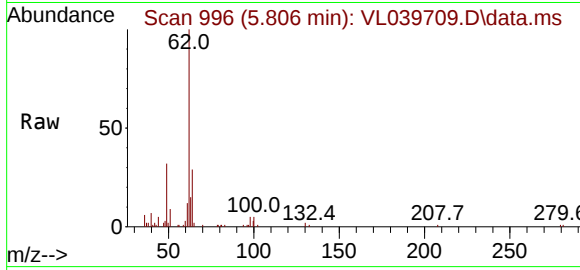




#37
1,2-Dichloroethane
Concen: 0.418 ppbv
RT: 5.806 min Scan# 91
Delta R.T. -0.009 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

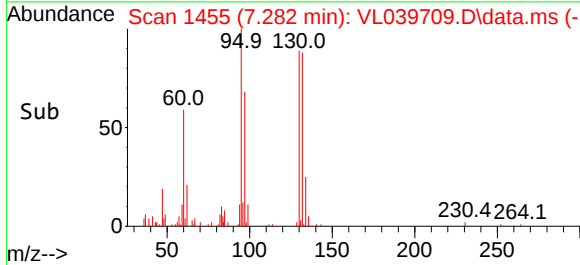
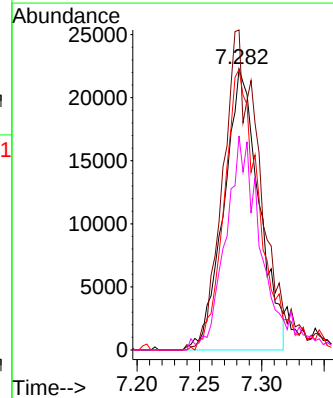
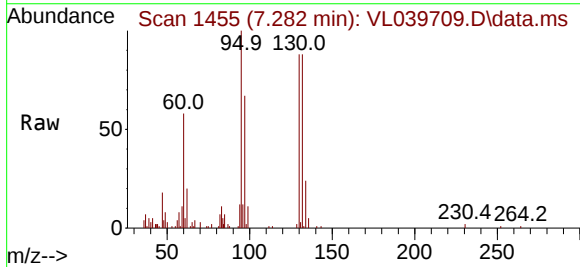
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

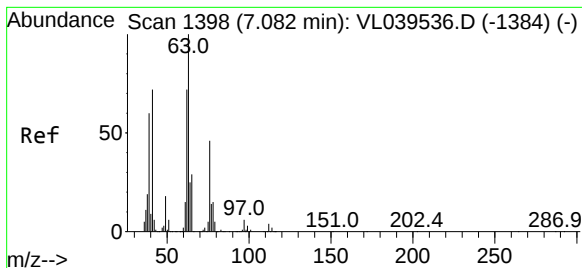
Tgt Ion: 62 Resp: 46955
Ion Ratio Lower Upper
62 100
98 7.9 5.1 7.7#



#38
Trichloroethene
Concen: 0.392 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 130 Resp: 43694
Ion Ratio Lower Upper
130 100
95 113.9 87.3 130.9
132 99.9 76.7 115.1
97 76.1 56.5 84.7





#39

1,2-Dichloropropane

Concen: 0.373 ppbv

RT: 7.063 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

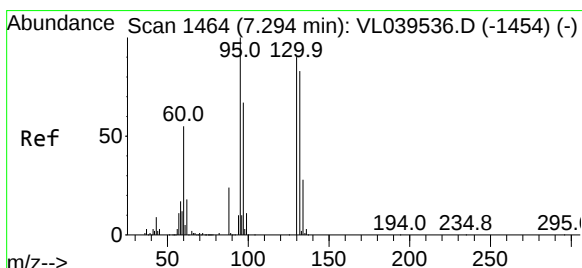
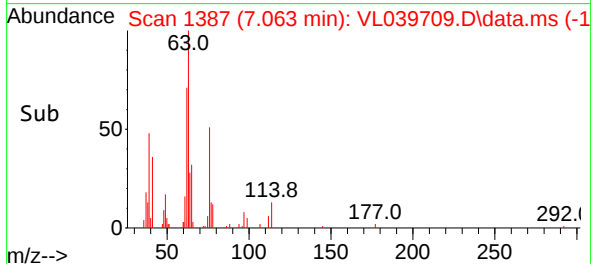
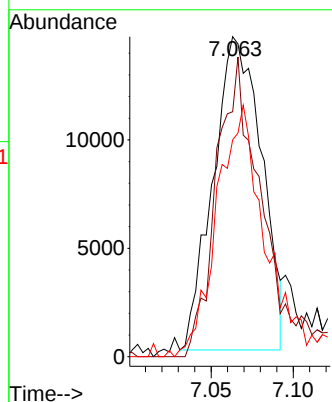
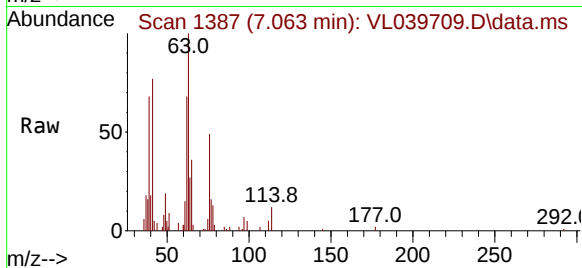
Tgt Ion: 63 Resp: 29687

Ion Ratio Lower Upper

63 100

41 78.2 59.6 89.4

62 67.0 51.4 77.0



#40

1,4-Dioxane

Concen: 0.418 ppbv m

RT: 7.320 min Scan# 1467

Delta R.T. 0.026 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Tgt Ion: 88 Resp: 13595

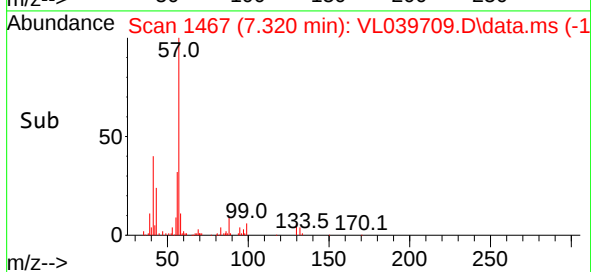
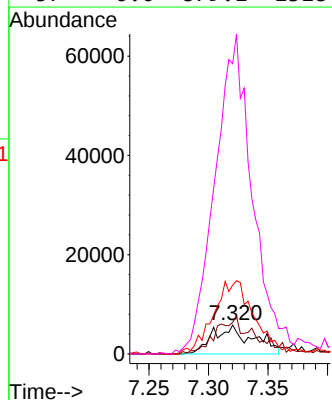
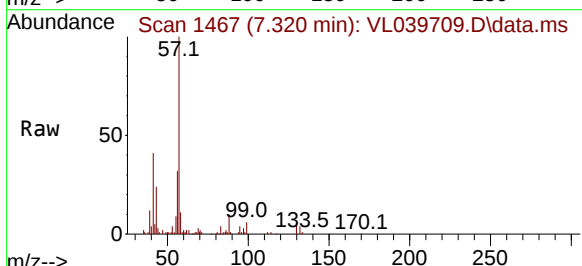
Ion Ratio Lower Upper

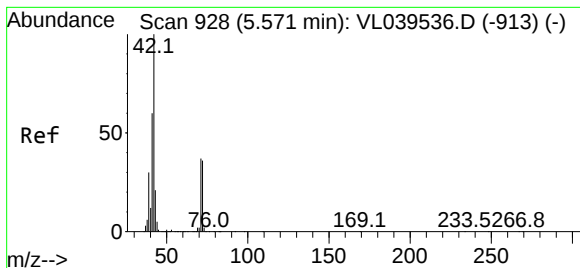
88 100

58 0.0 100.2 150.4#

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#





#41

Tetrahydrofuran

Concen: 0.389 ppbv m

RT: 5.584 min Scan# 91

Delta R.T. 0.014 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

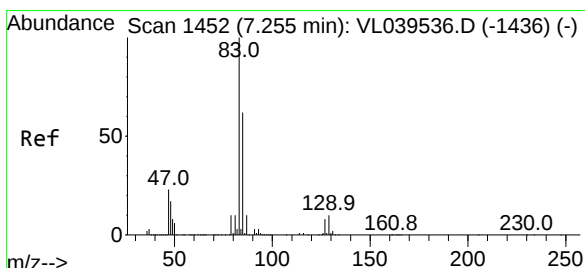
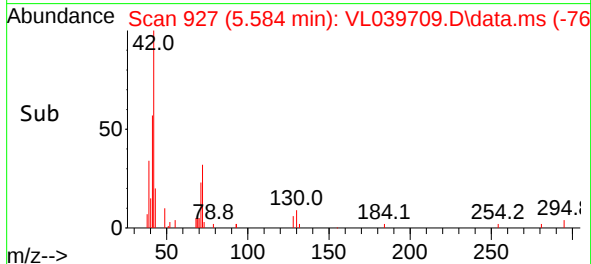
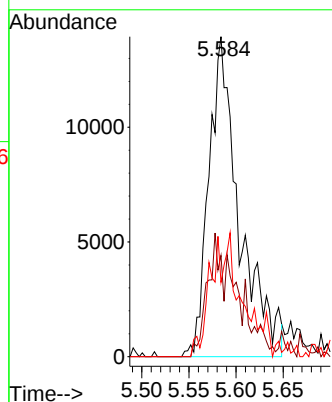
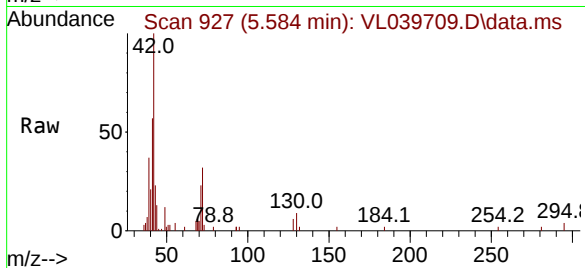
Tgt Ion: 42 Resp: 31591

Ion Ratio Lower Upper

42 100

72 36.6 31.8 47.8

71 40.4 31.8 47.8



#42

Bromodichloromethane

Concen: 0.377 ppbv m

RT: 7.243 min Scan# 1443

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

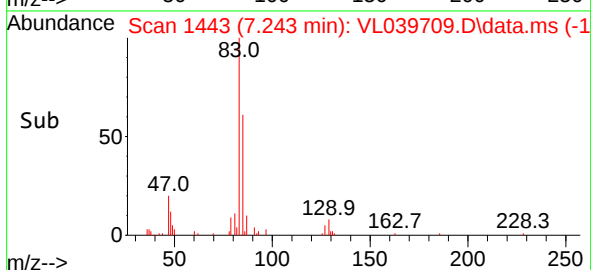
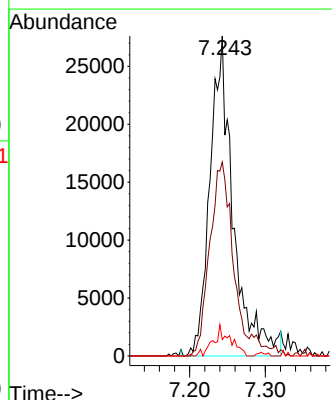
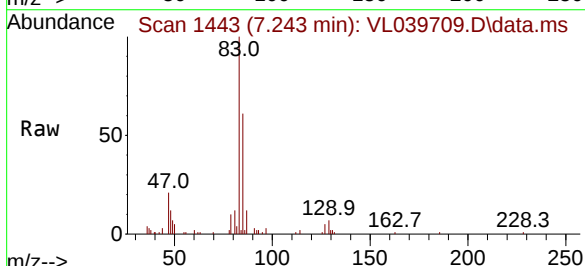
Tgt Ion: 83 Resp: 58899

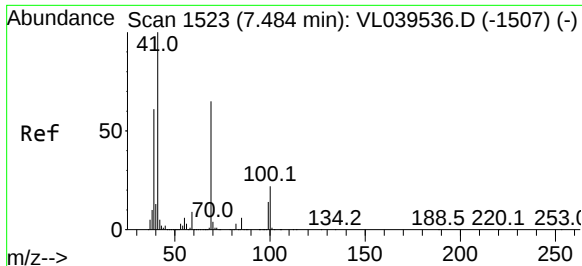
Ion Ratio Lower Upper

83 100

85 60.6 50.7 76.1

127 5.1 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.346 ppbv

RT: 7.478 min Scan# 1516

Delta R.T. -0.006 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_1

ClientSampleId :

MDL-AIR-03-QT4-2022DL

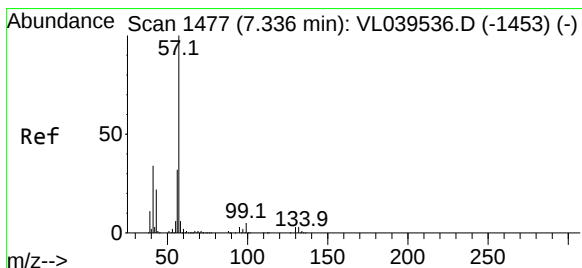
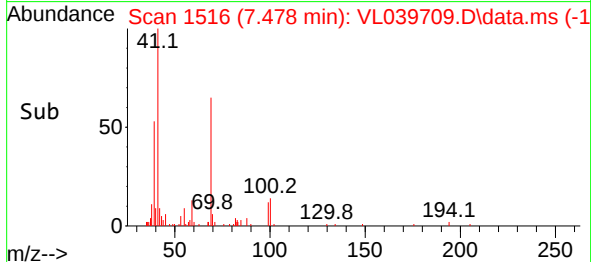
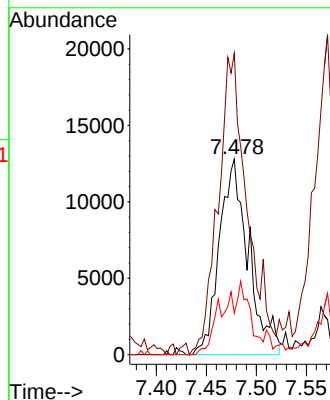
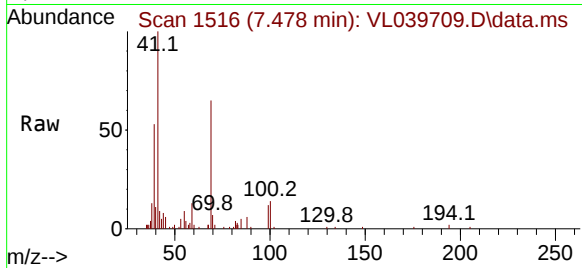
Tgt Ion: 69 Resp: 25977

Ion Ratio Lower Upper

69 100

41 162.0 120.8 181.2

100 37.8 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 0.392 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

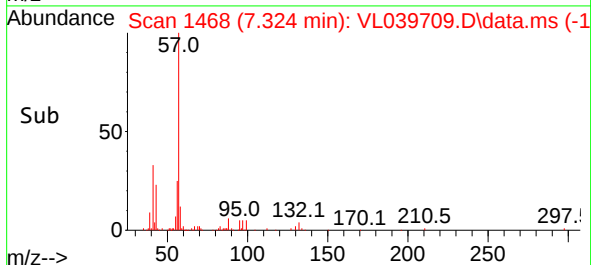
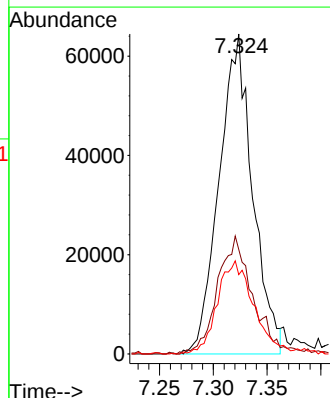
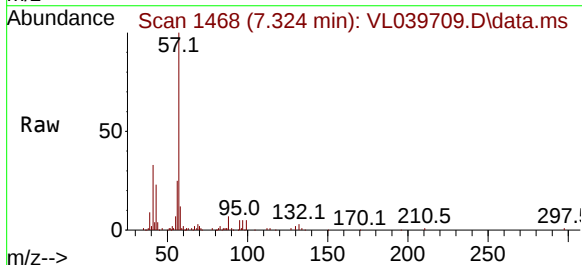
Tgt Ion: 57 Resp: 139244

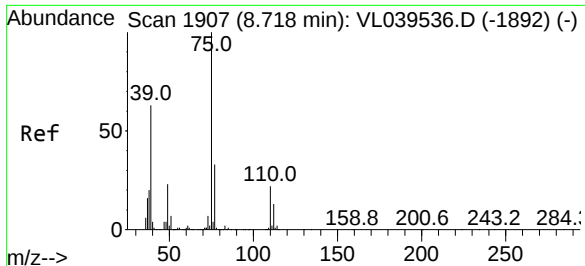
Ion Ratio Lower Upper

57 100

41 39.2 27.4 41.2

56 32.5 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 0.273 ppbv

RT: 8.700 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

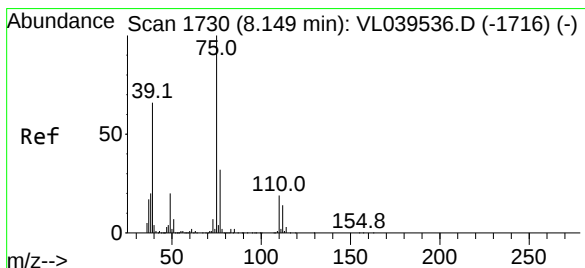
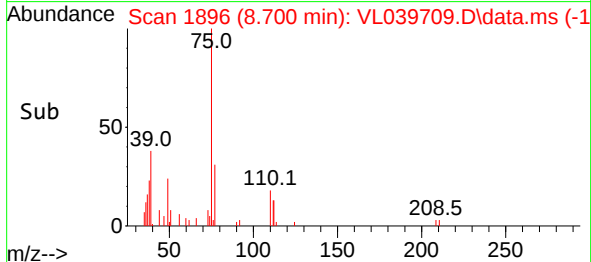
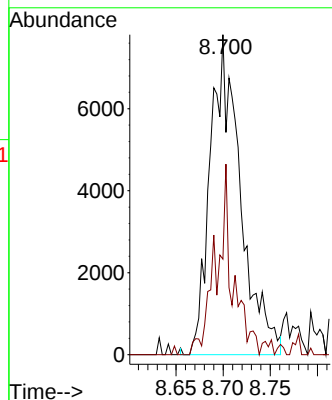
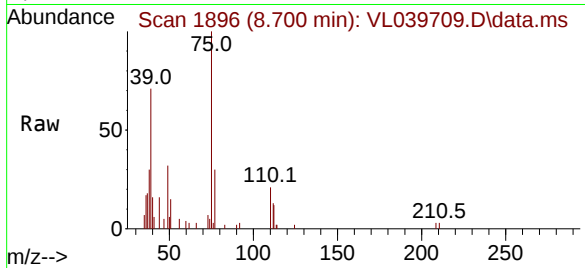
MDL-AIR-03-QT4-2022DL

Tgt Ion: 75 Resp: 17358

Ion Ratio Lower Upper

75 100

77 29.9 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 0.284 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

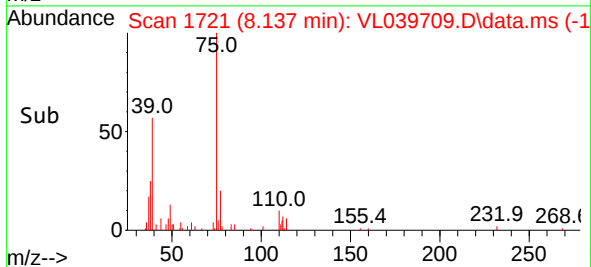
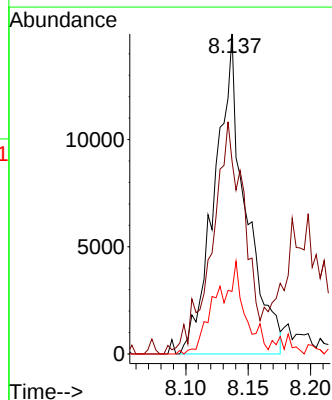
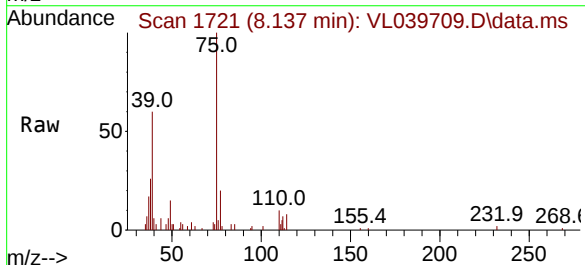
Tgt Ion: 75 Resp: 25698

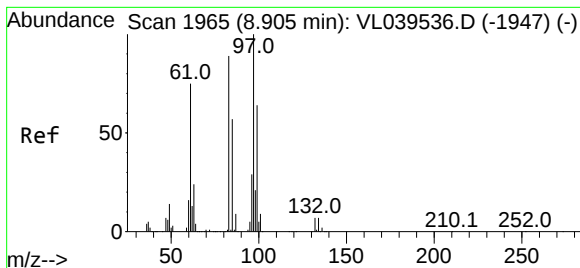
Ion Ratio Lower Upper

75 100

39 56.8 55.0 82.4

77 18.4 25.7 38.5#





#47

1,1,2-Trichloroethane

Concen: 0.412 ppbv

RT: 8.893 min Scan# 1965

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion: 97 Resp: 35867

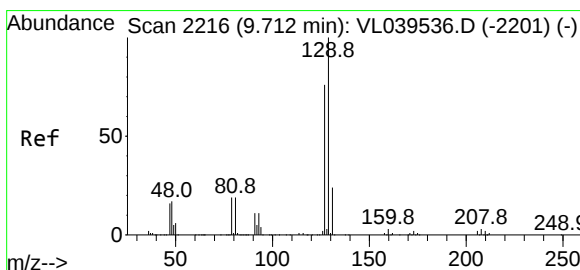
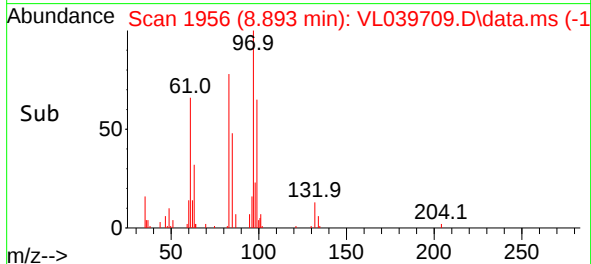
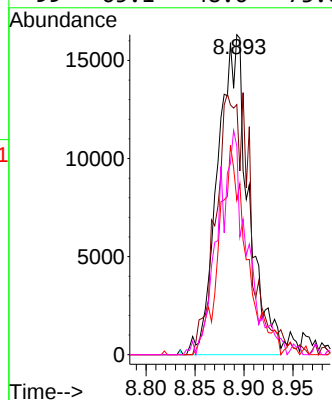
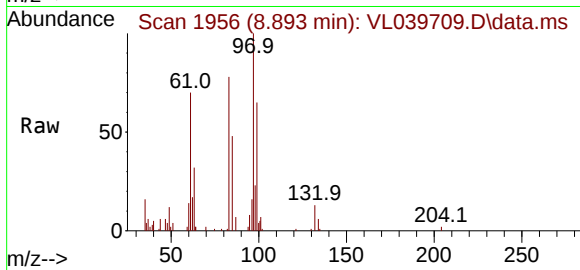
Ion Ratio Lower Upper

97 100

83 78.1 67.4 101.0

85 48.2 45.1 67.7

99 65.1 48.6 73.0



#48

Dibromochloromethane

Concen: 0.301 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. -0.019 min

Lab File: VL039709.D

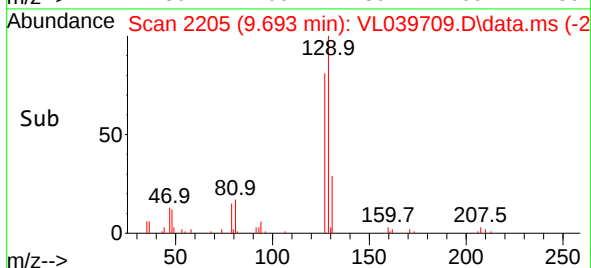
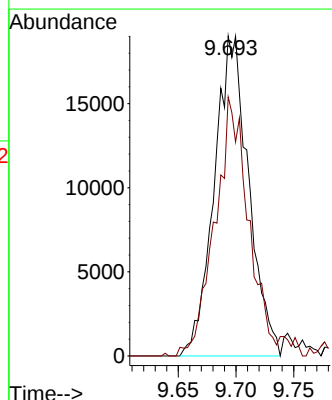
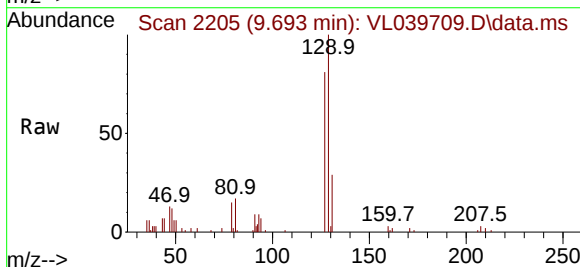
Acq: 10 Oct 2022 23:30

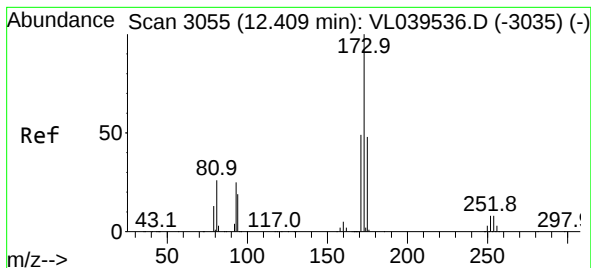
Tgt Ion: 129 Resp: 39440

Ion Ratio Lower Upper

129 100

127 81.5 39.3 117.9





#49

Bromoform

Concen: 0.293 ppbv m

RT: 12.391 min Scan# 3055

Delta R.T. -0.019 min

Lab File: VL039709.D

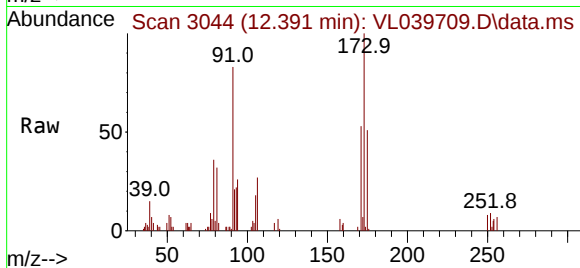
Acq: 10 Oct 2022 23:30

Instrument :

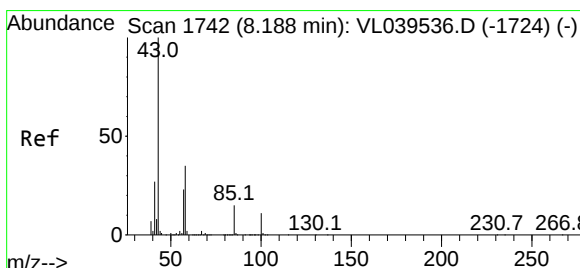
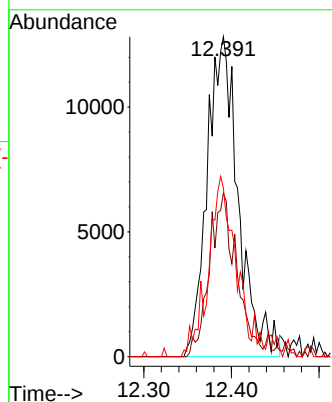
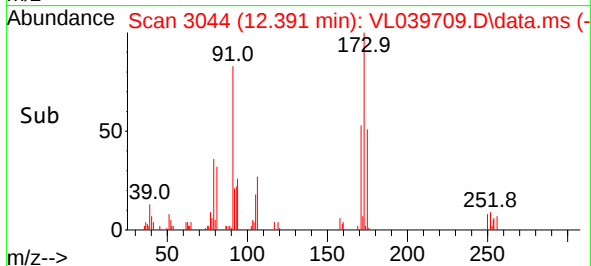
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL



Tgt Ion:	173	Resp:	31756
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.3	60.5#
171	0.0	42.9	64.3#



#50

4-Methyl-2-Pentanone

Concen: 0.320 ppbv

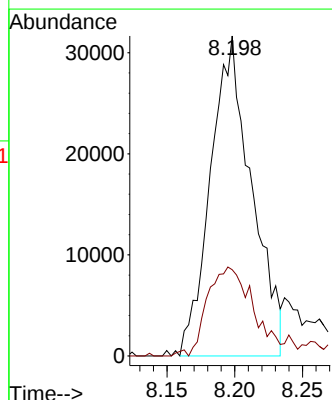
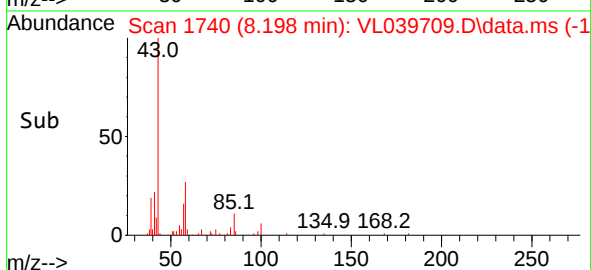
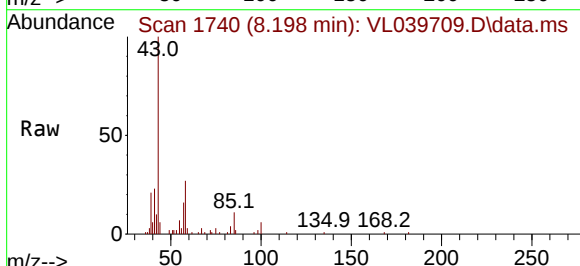
RT: 8.198 min Scan# 1740

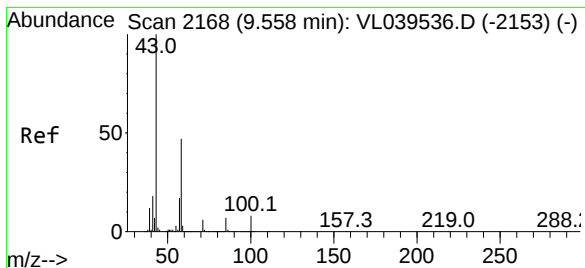
Delta R.T. 0.010 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Tgt Ion:	43	Resp:	66720
Ion Ratio	Lower	Upper	
43	100		
58	36.8	28.8	43.2





#51

2-Hexanone

Concen: 0.326 ppbv m

RT: 9.565 min Scan# 2165

Delta R.T. 0.007 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

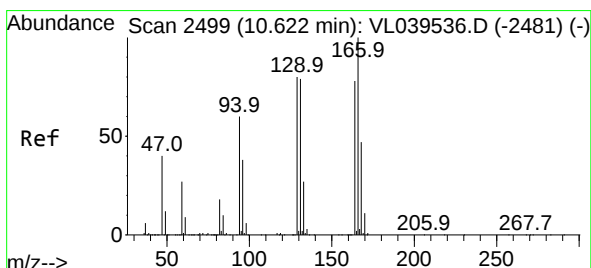
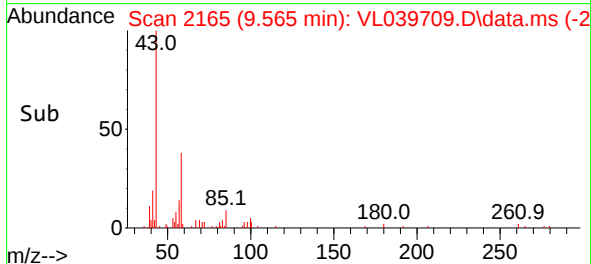
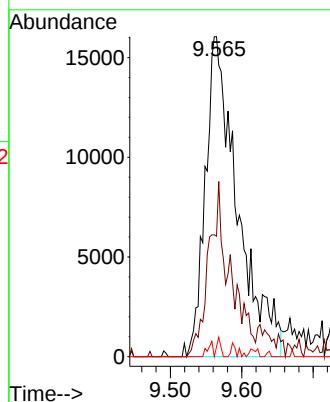
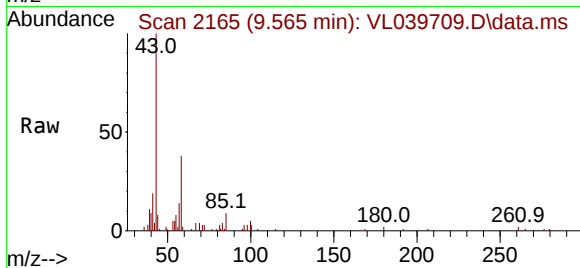
Tgt Ion: 43 Resp: 50302

Ion Ratio Lower Upper

43 100

58 43.3 38.4 57.6

98 1.5 0.3 0.5#



#52

Tetrachloroethene

Concen: 0.415 ppbv m

RT: 10.600 min Scan# 2487

Delta R.T. -0.022 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Tgt Ion: 164 Resp: 32673

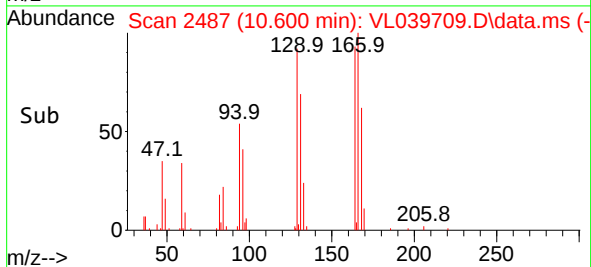
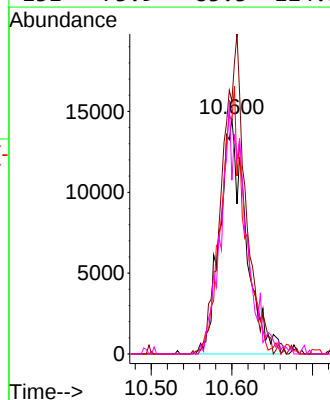
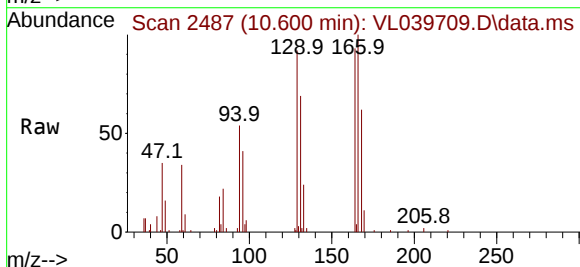
Ion Ratio Lower Upper

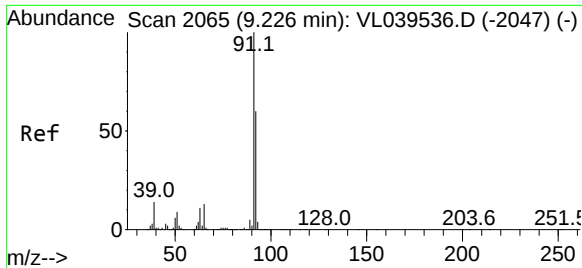
164 100

166 107.4 102.2 153.2

129 99.3 85.8 128.8

131 73.9 83.3 124.9#

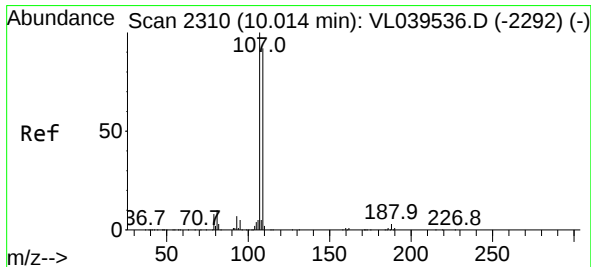
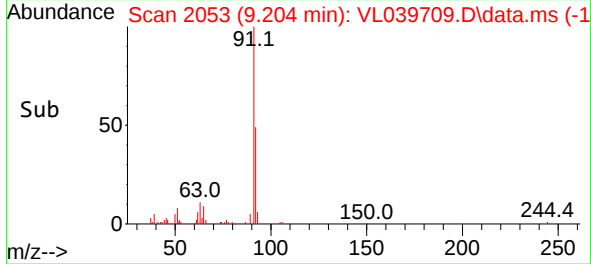
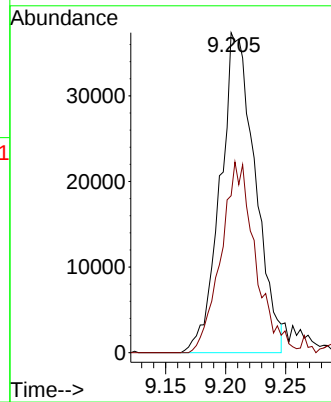
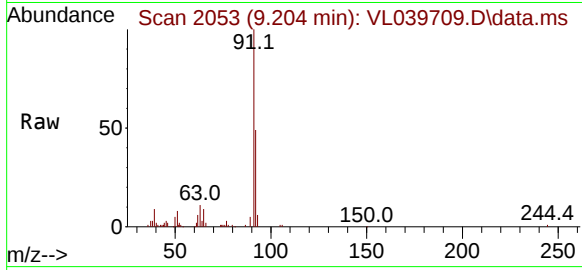




#53
Toluene
Concen: 0.330 ppbv
RT: 9.204 min Scan# 2065
Delta R.T. -0.022 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

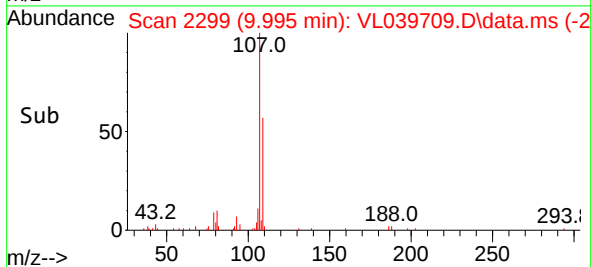
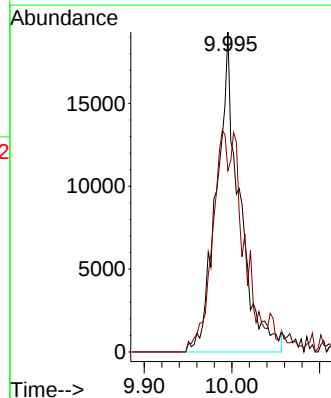
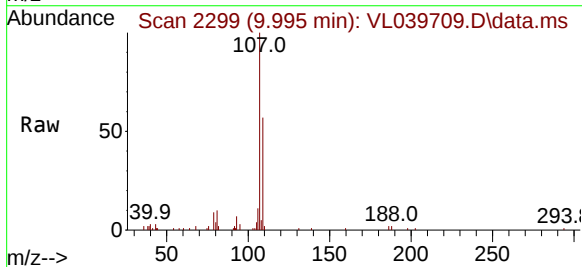
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

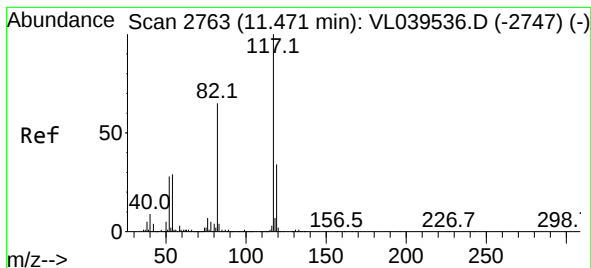
Tgt Ion: 91 Resp: 75740
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.375 ppbv m
RT: 9.995 min Scan# 2299
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 107 Resp: 34964
Ion Ratio Lower Upper
107 100
109 56.6 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: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

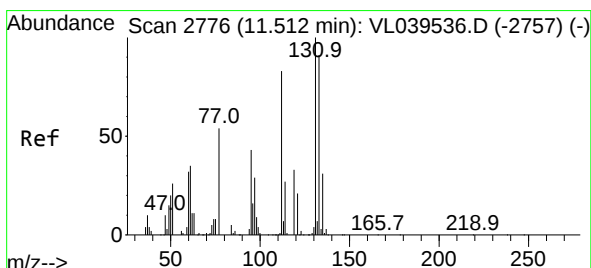
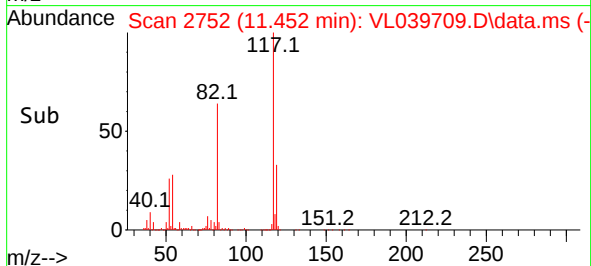
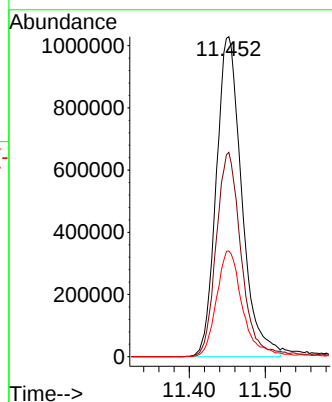
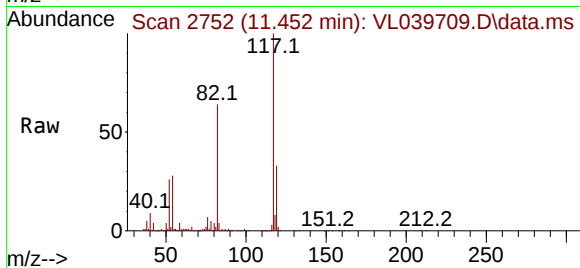
Tgt Ion:117 Resp: 2393569

Ion Ratio Lower Upper

117 100

82 64.3 50.8 76.2

119 34.6 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.402 ppbv m

RT: 11.491 min Scan# 2764

Delta R.T. -0.022 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

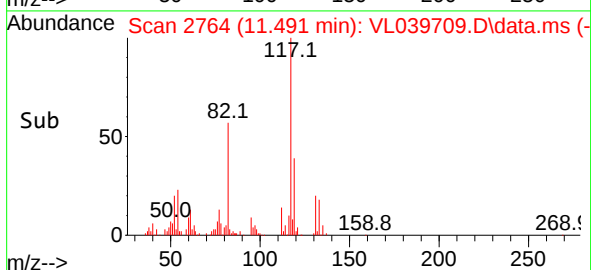
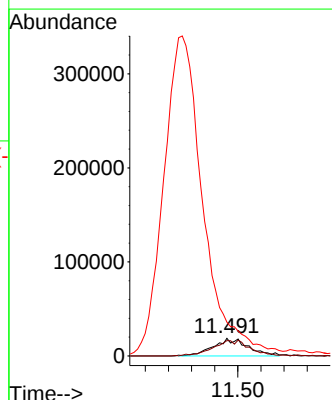
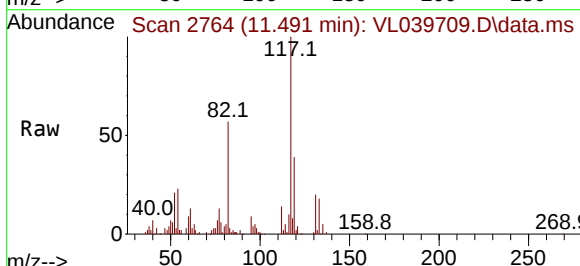
Tgt Ion:131 Resp: 38864

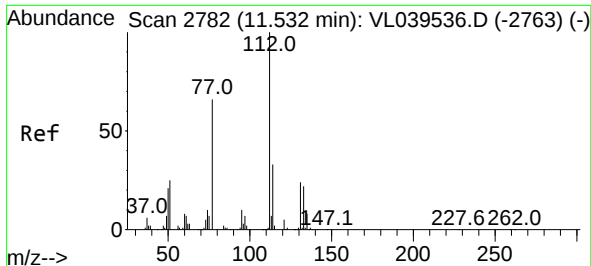
Ion Ratio Lower Upper

131 100

133 0.0 76.8 115.2#

119 0.0 46.2 69.4#

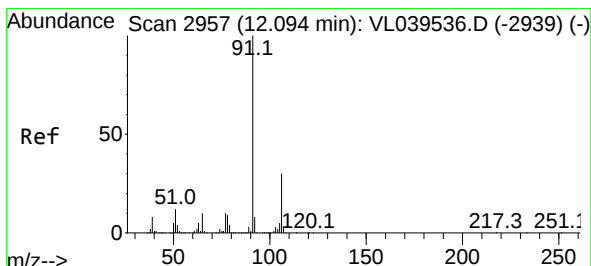
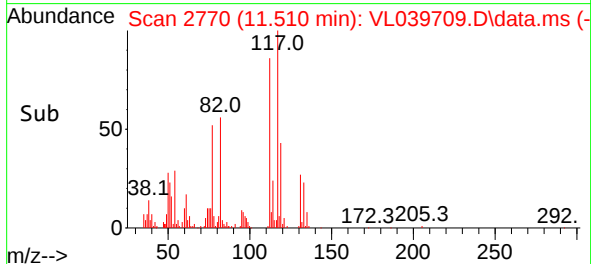
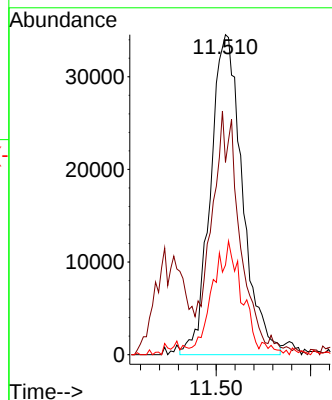
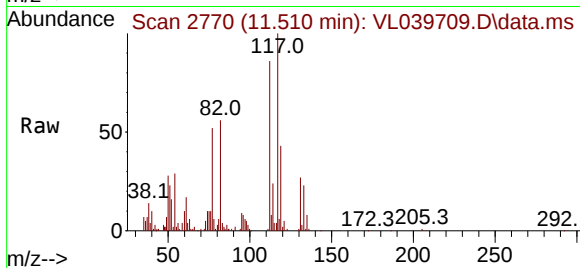




#57
Chlorobenzene
Concen: 0.460 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.022 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

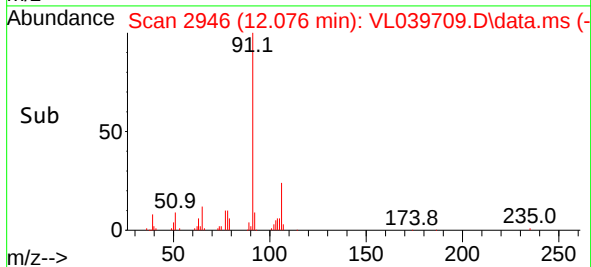
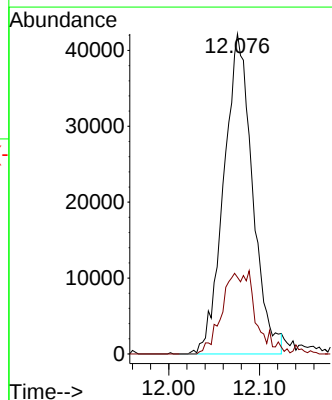
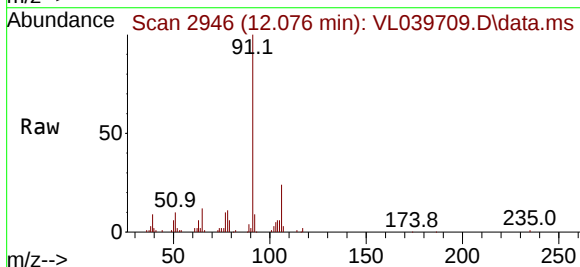
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

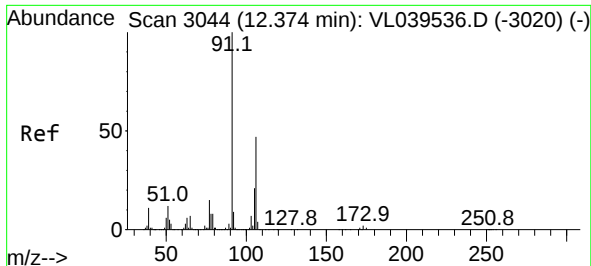
Tgt Ion:112 Resp: 80992
Ion Ratio Lower Upper
112 100
77 56.3 51.0 76.4
114 27.0 27.5 33.6#



#58
Ethyl Benzene
Concen: 0.334 ppbv m
RT: 12.076 min Scan# 2946
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 91 Resp: 92298
Ion Ratio Lower Upper
91 100
106 24.0 25.4 38.0#





#59

m/p-Xylene

Concen: 0.688 ppbv m

RT: 12.359 min Scan# 3034

Delta R.T. -0.015 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

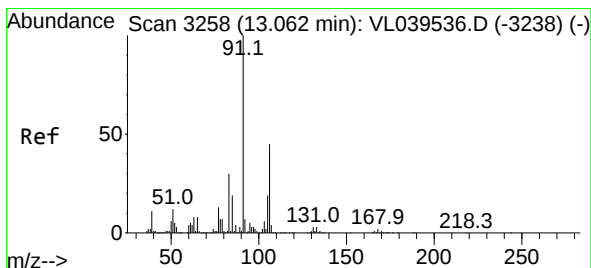
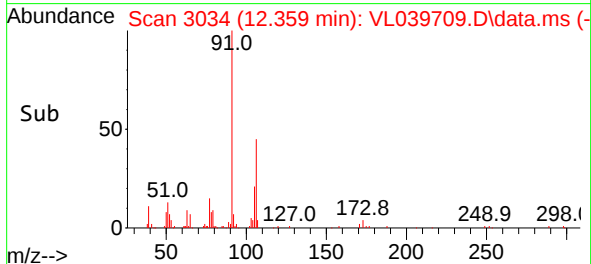
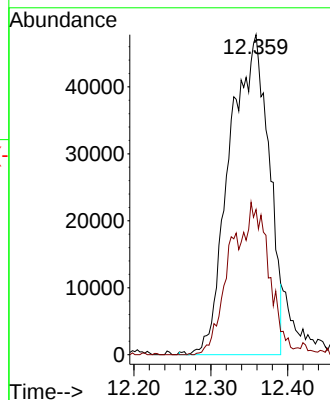
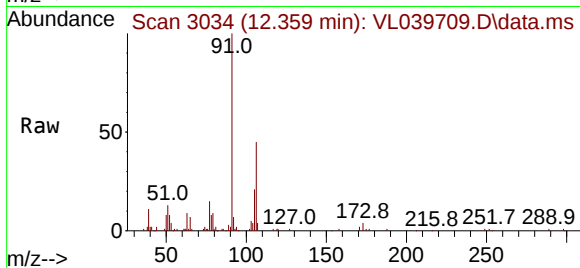
MDL-AIR-03-QT4-2022DL

Tgt Ion: 91 Resp: 169067

Ion Ratio Lower Upper

91 100

106 48.4 35.4 53.2



#60

o-Xylene

Concen: 0.354 ppbv m

RT: 13.047 min Scan# 3248

Delta R.T. -0.015 min

Lab File: VL039709.D

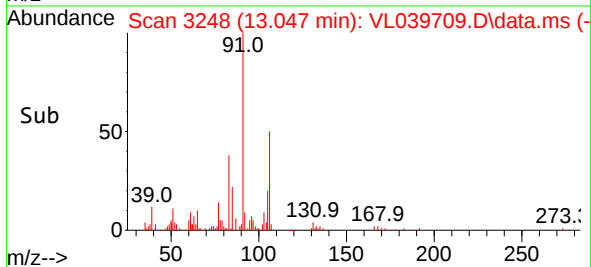
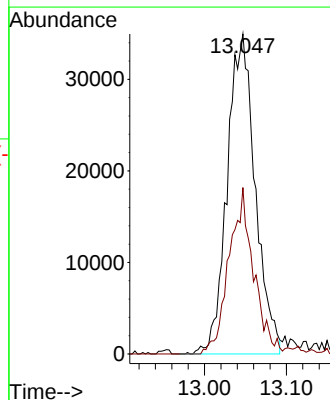
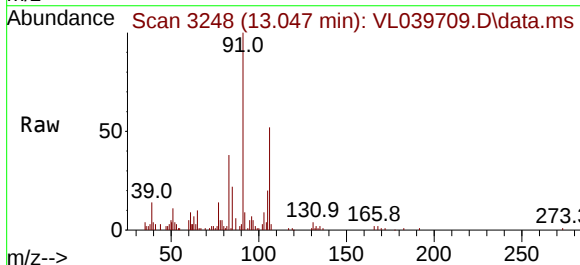
Acq: 10 Oct 2022 23:30

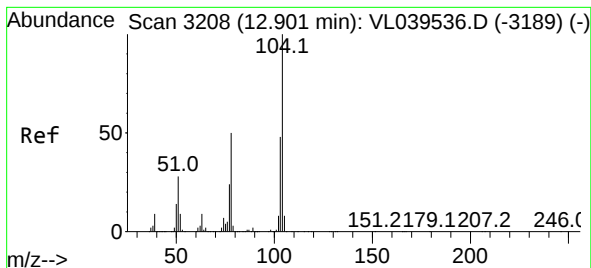
Tgt Ion: 91 Resp: 82997

Ion Ratio Lower Upper

91 100

106 0.0 22.4 67.3#





#61

Styrene

Concen: 0.278 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.009 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

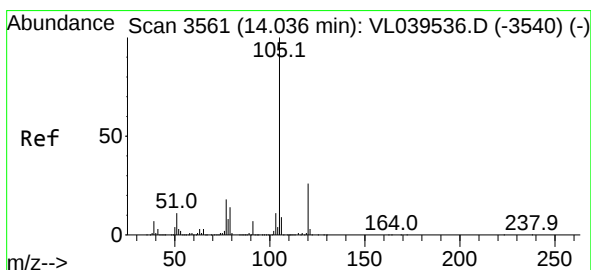
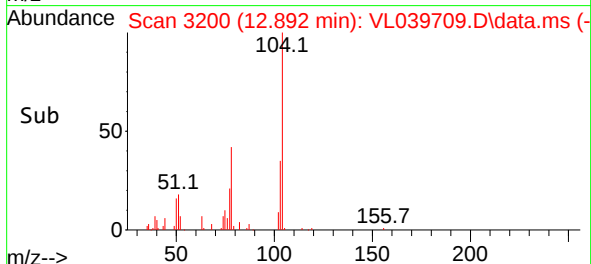
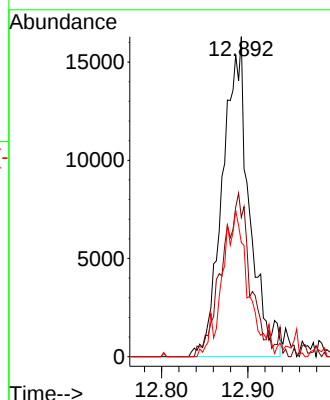
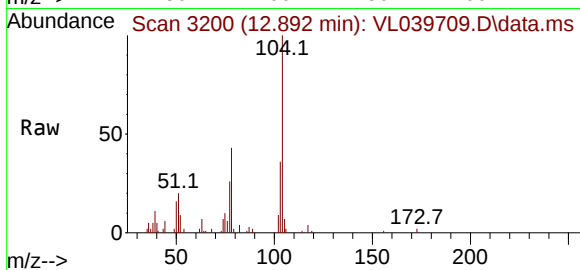
Tgt Ion:104 Resp: 35066

Ion Ratio Lower Upper

104 100

78 0.0 41.2 61.8#

103 0.0 38.7 58.1#



#62

Isopropylbenzene

Concen: 0.405 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.019 min

Lab File: VL039709.D

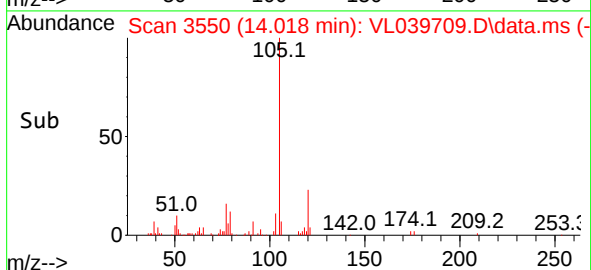
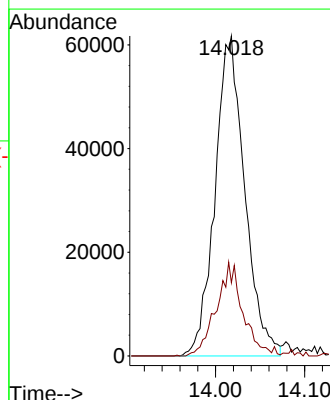
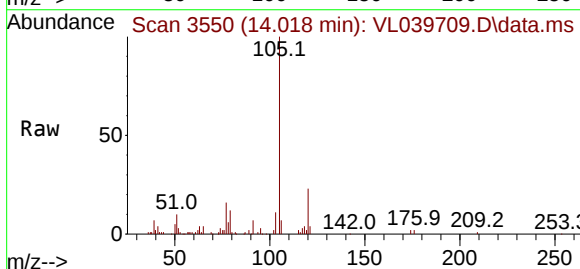
Acq: 10 Oct 2022 23:30

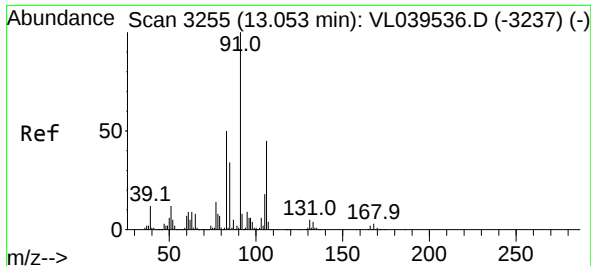
Tgt Ion:105 Resp: 142835

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

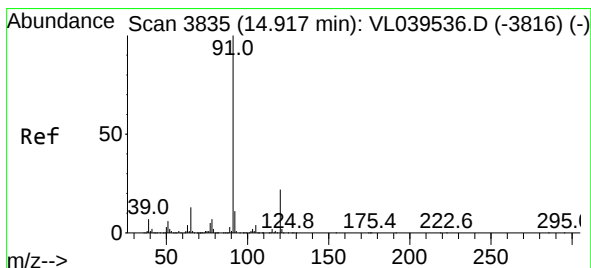
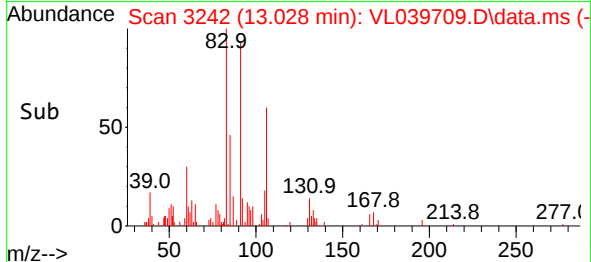
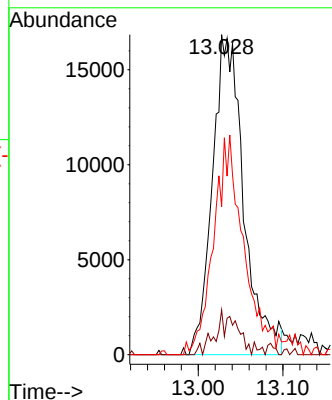
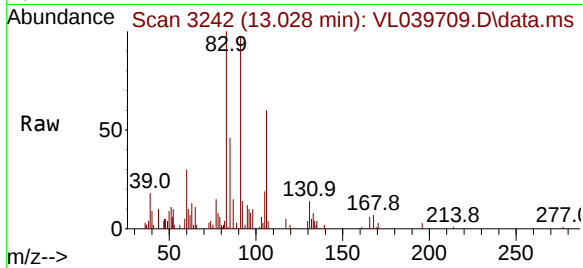




#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv m
RT: 13.028 min Scan# 31
Delta R.T. -0.025 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

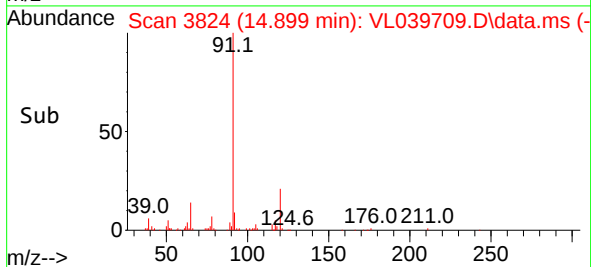
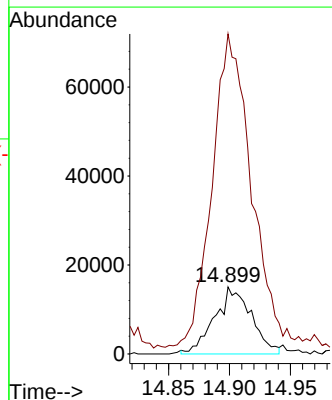
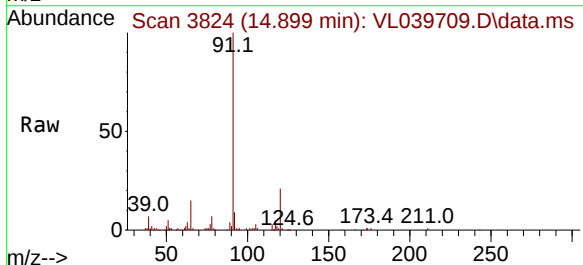
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

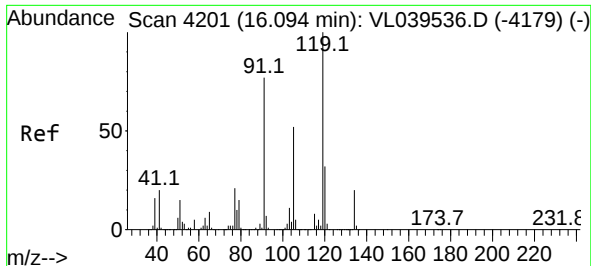
Tgt Ion: 83 Resp: 43320
Ion Ratio Lower Upper
83 100
131 10.0 5.3 15.8
85 0.0 33.1 99.5#



#64
n-propylbenzene
Concen: 0.347 ppbv m
RT: 14.899 min Scan# 3824
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion:120 Resp: 31328
Ion Ratio Lower Upper
120 100
91 0.0 367.2 550.8#

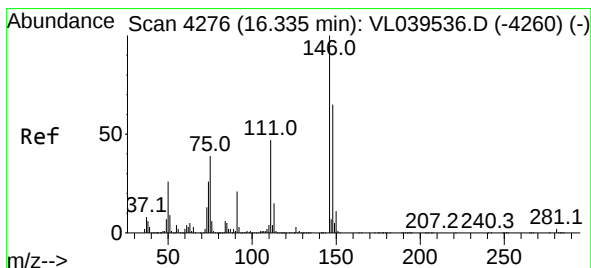
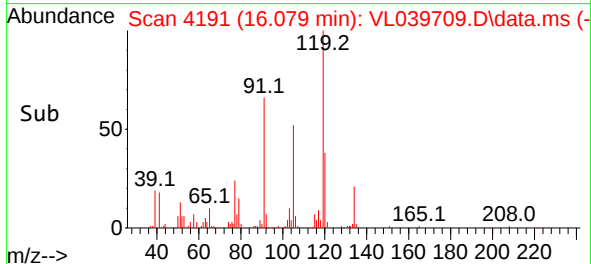
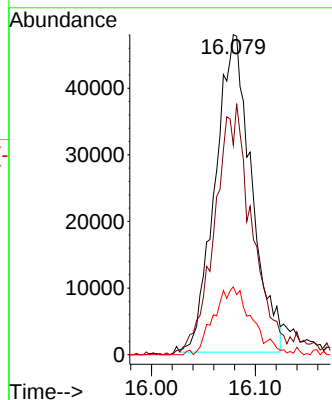
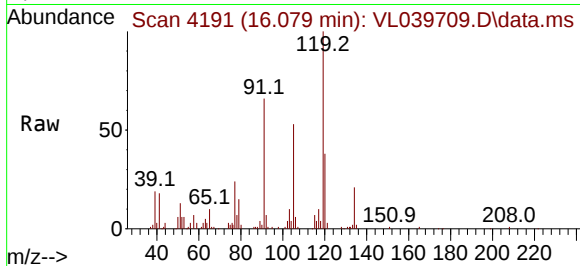




#65
 tert-Butylbenzene
 Concen: 0.371 ppbv
 RT: 16.079 min Scan# 4179
 Delta R.T. -0.015 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

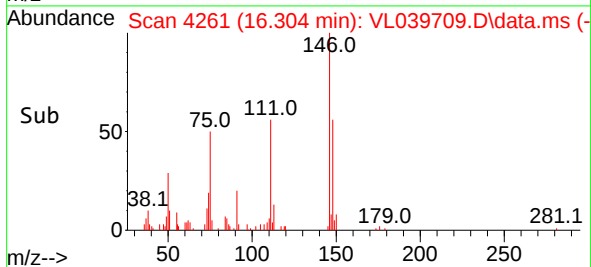
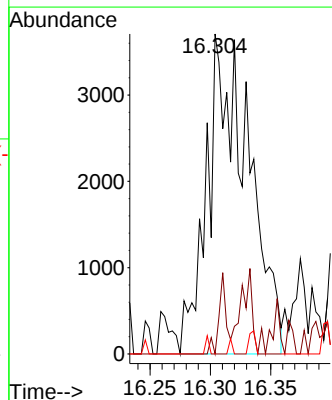
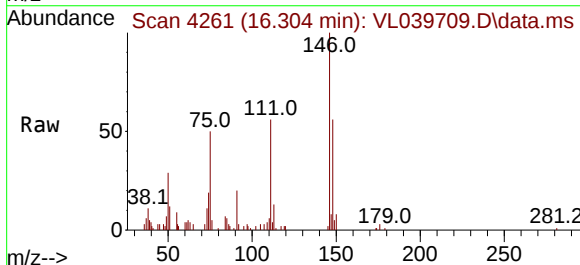
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

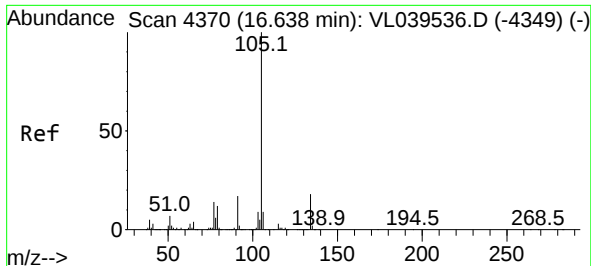
Tgt Ion: 119 Resp: 115762
 Ion Ratio Lower Upper
 119 100
 91 85.8 63.4 95.2
 134 22.6 15.9 23.9



#66
 Benzyl Chloride
 Concen: 0.356 ppbv m
 RT: 16.304 min Scan# 4261
 Delta R.T. -0.031 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 91 Resp: 8833
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 19.7#
 128 0.0 4.4 6.6#

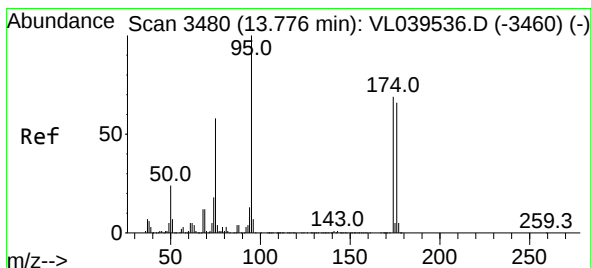
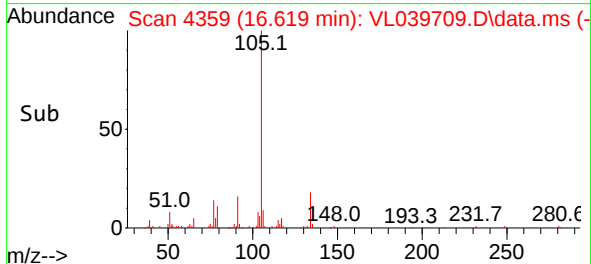
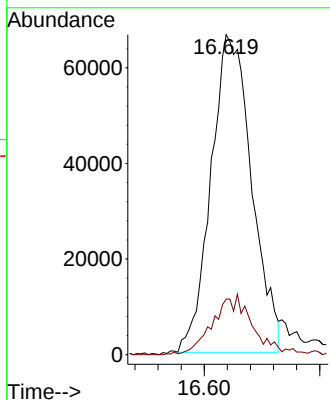
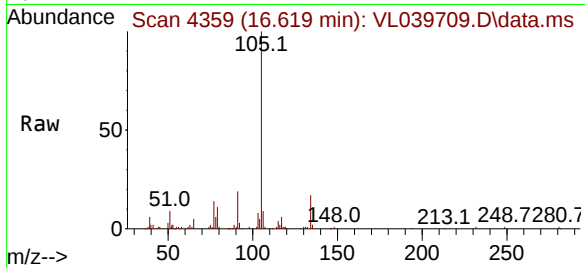




#67
 sec-Butylbenzene
 Concen: 0.371 ppbv
 RT: 16.619 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

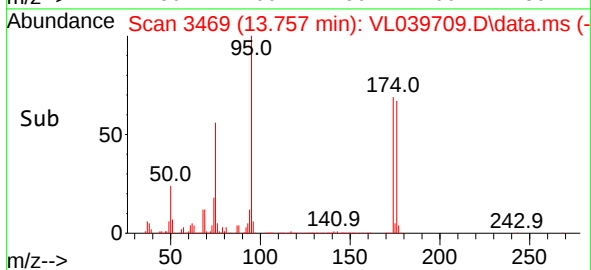
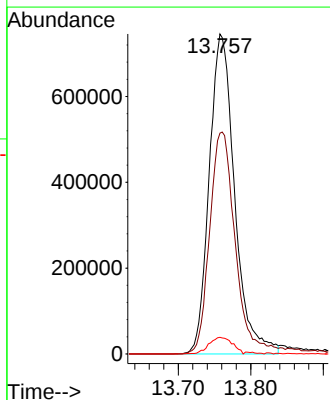
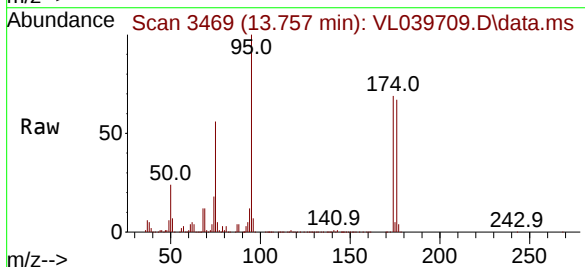
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

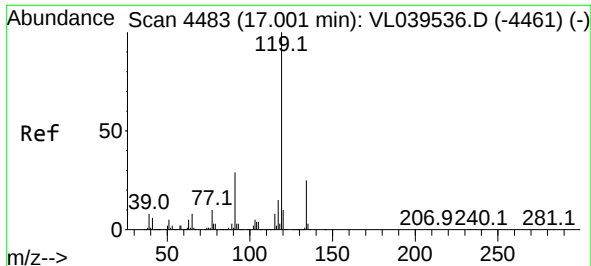
Tgt Ion:105 Resp: 162469
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.143 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. -0.019 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion: 95 Resp: 1812326
 Ion Ratio Lower Upper
 95 100
 174 72.6 55.9 83.9
 175 5.3 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.358 ppbv m

RT: 16.982 min Scan# 4483

Delta R.T. -0.019 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

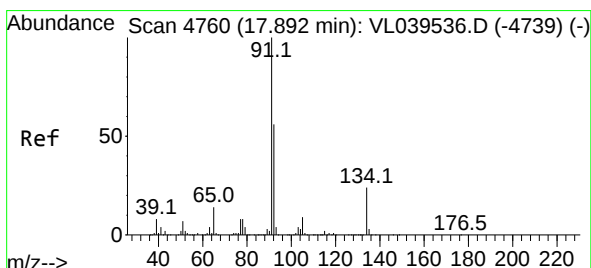
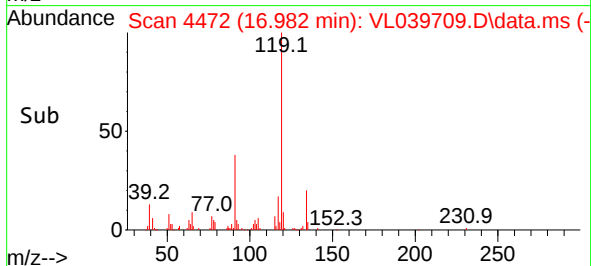
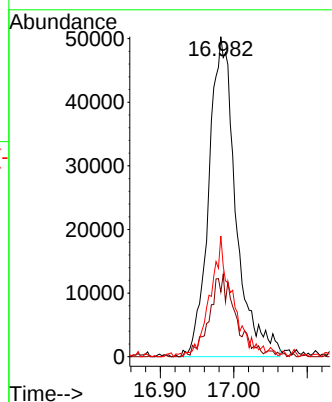
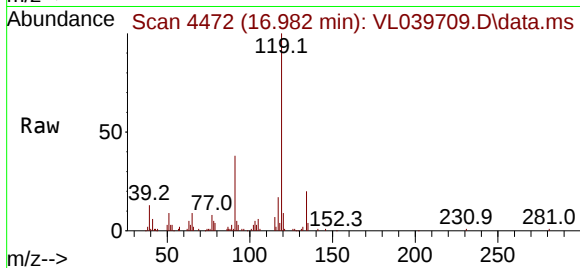
Tgt Ion:119 Resp: 128673

Ion Ratio Lower Upper

119 100

134 0.0 20.3 30.5#

91 32.5 22.9 34.3



#70

n-Butylbenzene

Concen: 0.358 ppbv m

RT: 17.876 min Scan# 4750

Delta R.T. -0.015 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

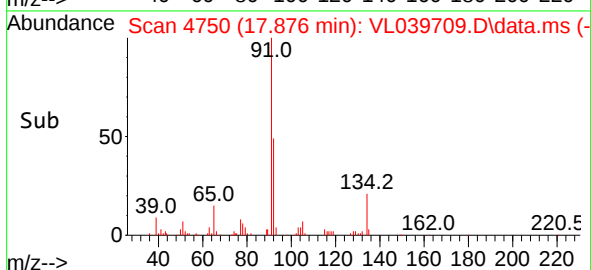
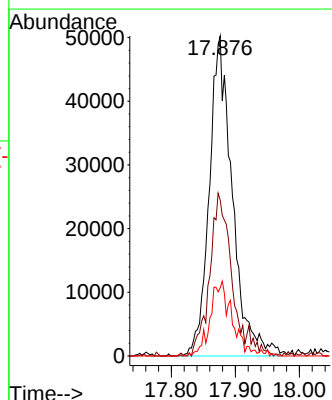
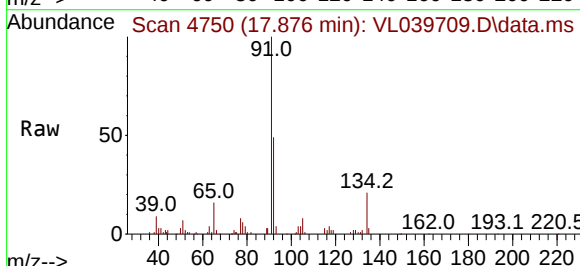
Tgt Ion: 91 Resp: 126255

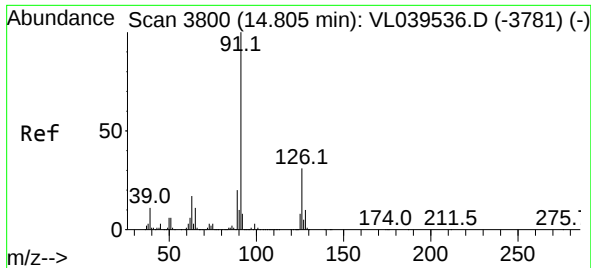
Ion Ratio Lower Upper

91 100

92 49.5 43.4 65.2

134 0.0 18.9 28.3#

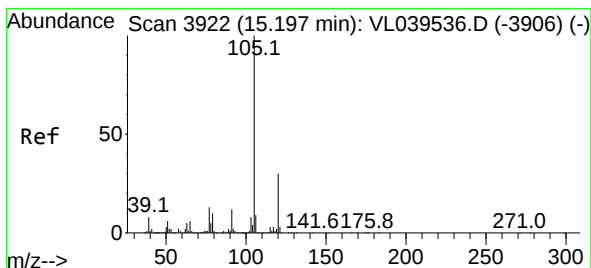
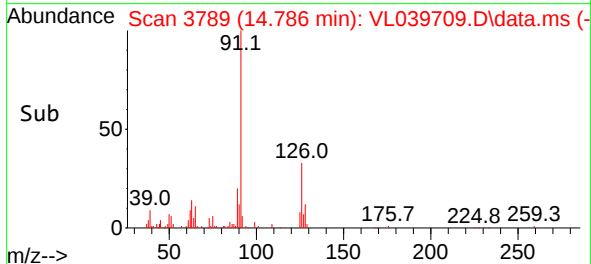
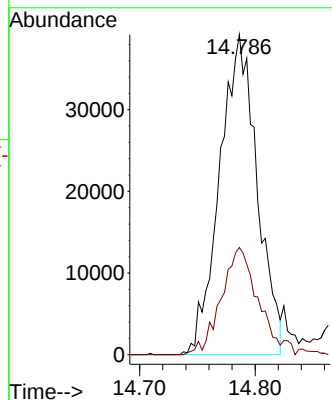
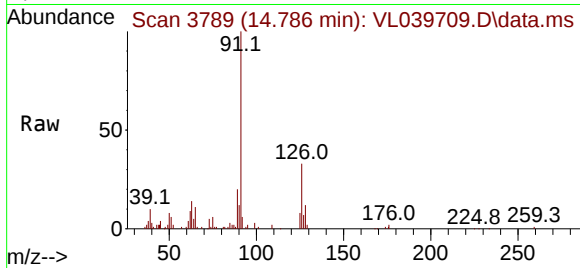




#71
2-Chlorotoluene
Concen: 0.348 ppbv
RT: 14.786 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

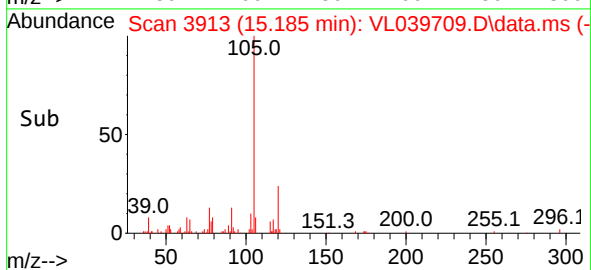
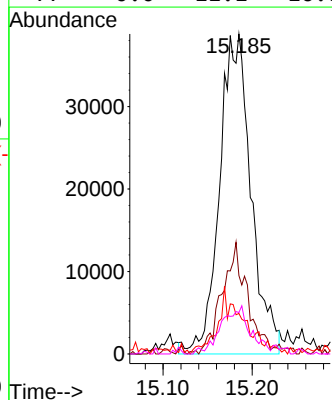
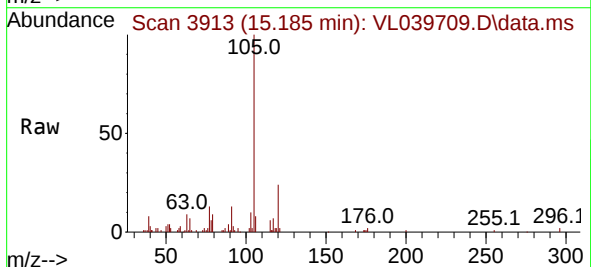
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

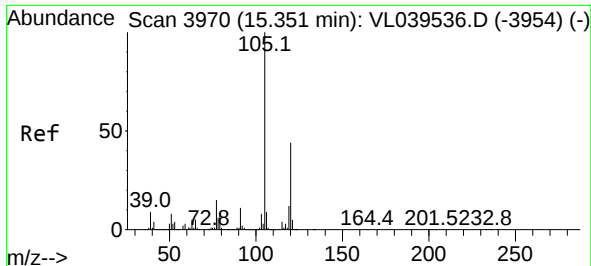
Tgt Ion: 91 Resp: 88563
Ion Ratio Lower Upper
91 100
126 34.0 13.0 51.8



#72
4-Ethyltoluene
Concen: 0.355 ppbv m
RT: 15.185 min Scan# 3913
Delta R.T. -0.012 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion: 105 Resp: 95056
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 16.0 10.2 15.4#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.342 ppbv

RT: 15.339 min Scan# 3970

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

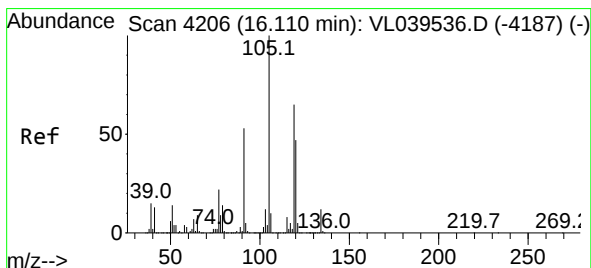
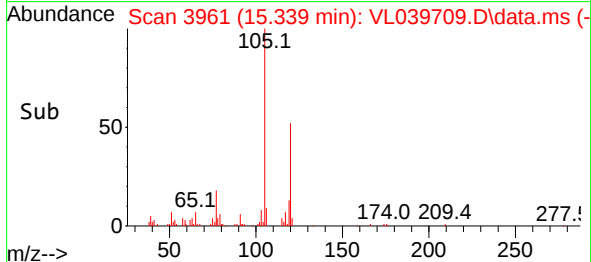
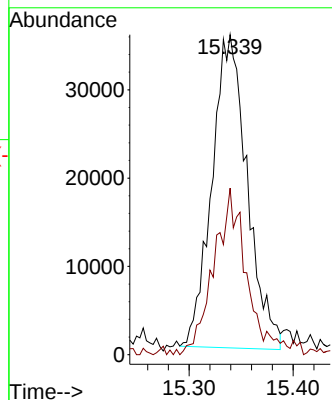
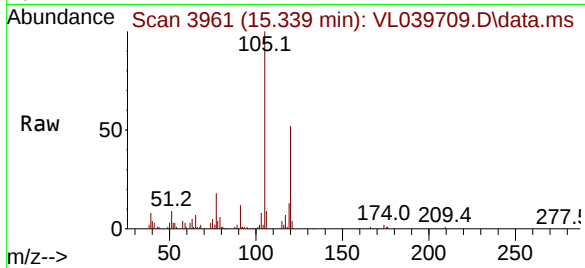
MDL-AIR-03-QT4-2022DL

Tgt Ion:105 Resp: 83708

Ion Ratio Lower Upper

105 100

120 57.9 38.2 57.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.389 ppbv m

RT: 16.098 min Scan# 4197

Delta R.T. -0.012 min

Lab File: VL039709.D

Acq: 10 Oct 2022 23:30

Tgt Ion:105 Resp: 106900

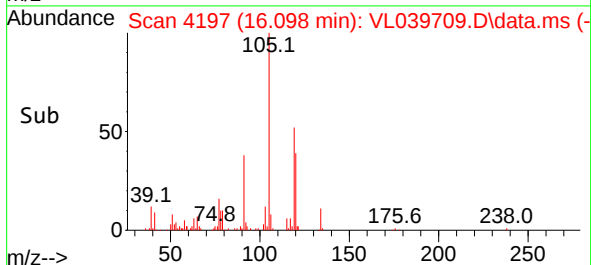
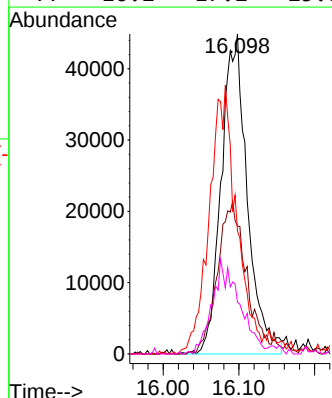
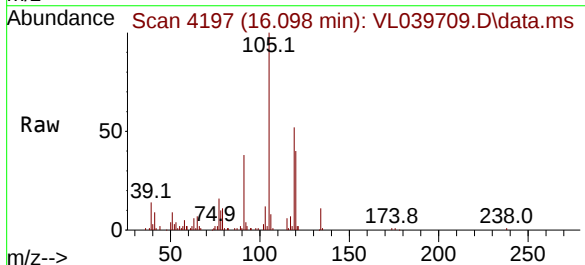
Ion Ratio Lower Upper

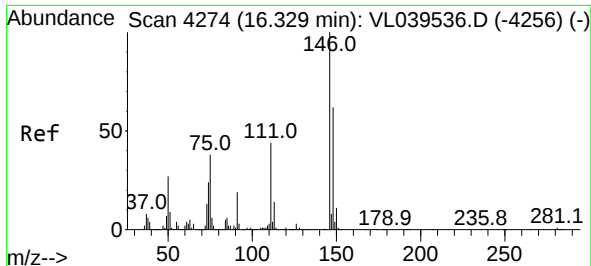
105 100

120 39.9 39.5 59.3

91 38.4 39.2 58.8#

77 16.2 17.2 25.8#

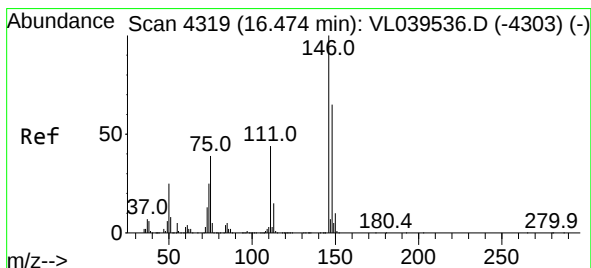
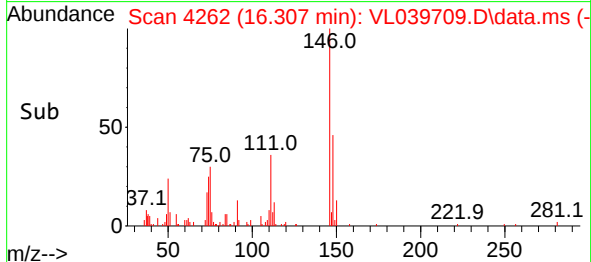
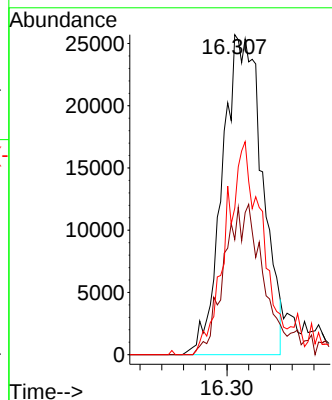
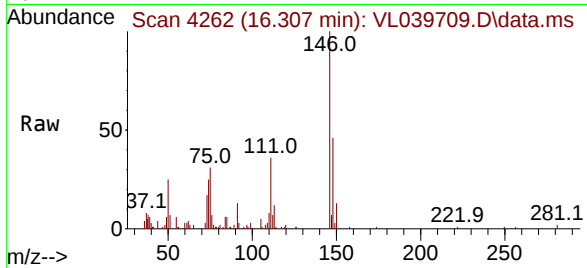




#75
1,3-Dichlorobenzene
Concen: 0.399 ppbv m
RT: 16.307 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

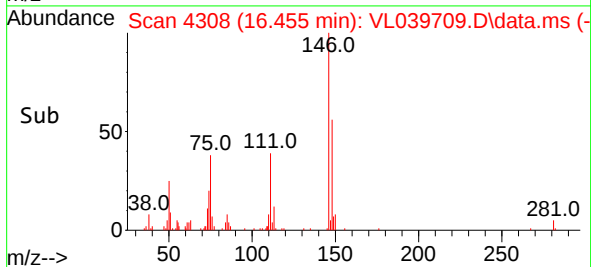
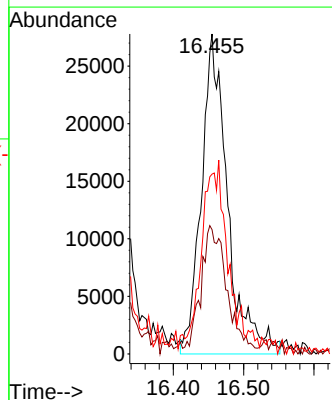
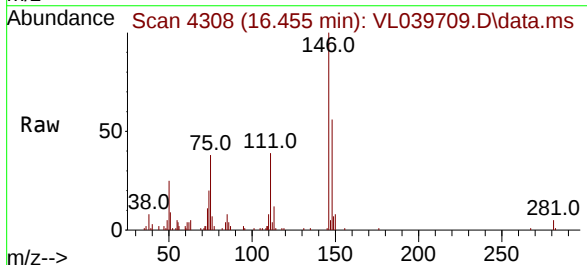
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

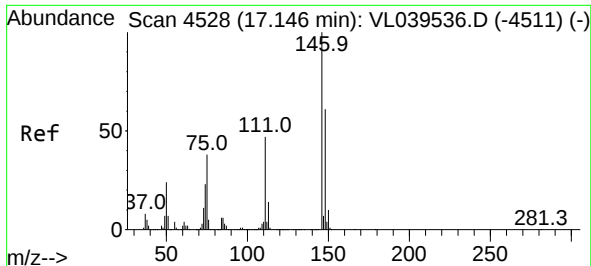
Tgt Ion:146 Resp: 65326
Ion Ratio Lower Upper
146 100
111 0.0 22.9 68.7#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.439 ppbv m
RT: 16.455 min Scan# 4308
Delta R.T. -0.019 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion:146 Resp: 71909
Ion Ratio Lower Upper
146 100
111 43.4 22.9 68.8
148 0.0 33.6 100.8#

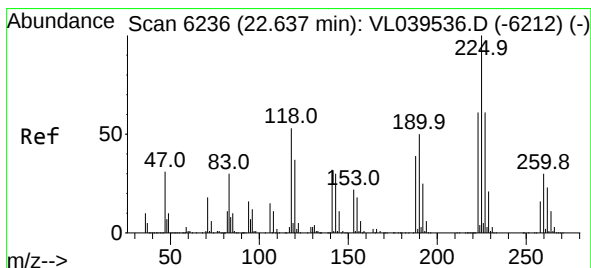
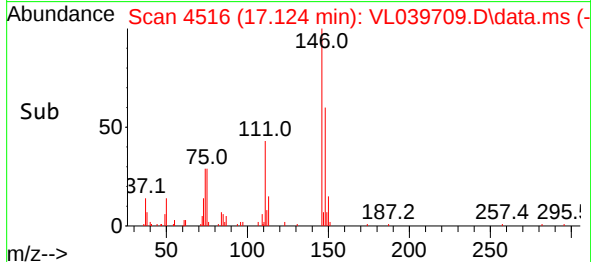
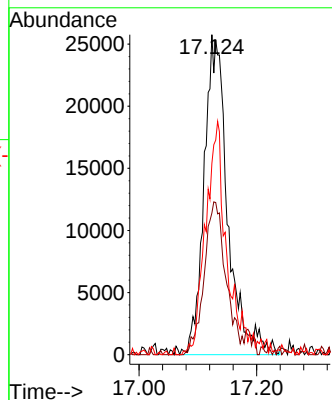
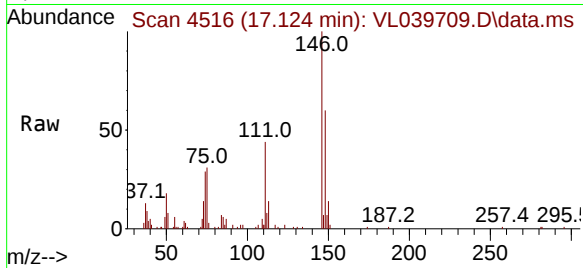




#77
 1,2-Dichlorobenzene
 Concen: 0.448 ppbv m
 RT: 17.124 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

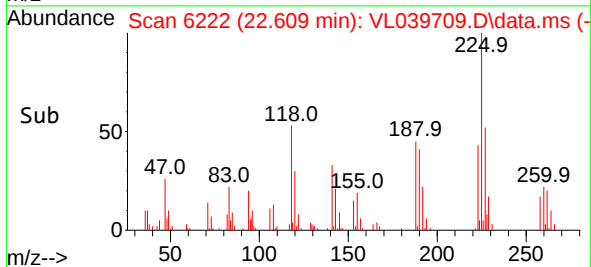
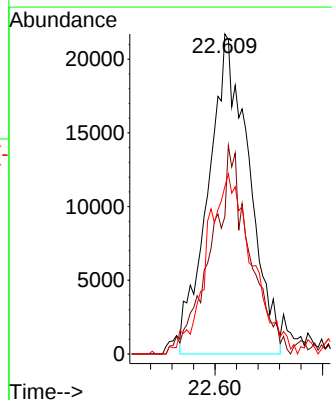
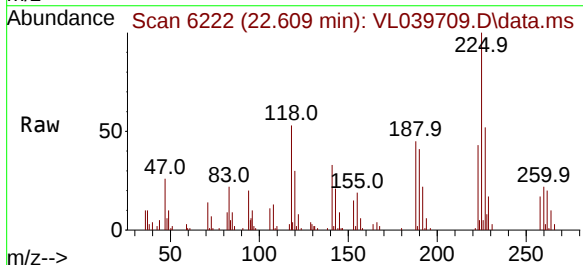
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

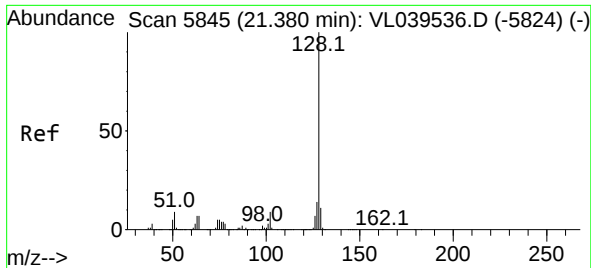
Tgt Ion:146 Resp: 71660
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.5#
 148 0.0 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.468 ppbv
 RT: 22.609 min Scan# 6222
 Delta R.T. -0.028 min
 Lab File: VL039709.D
 Acq: 10 Oct 2022 23:30

Tgt Ion:225 Resp: 57127
 Ion Ratio Lower Upper
 225 100
 223 61.2 51.8 77.6
 227 62.6 51.4 77.2

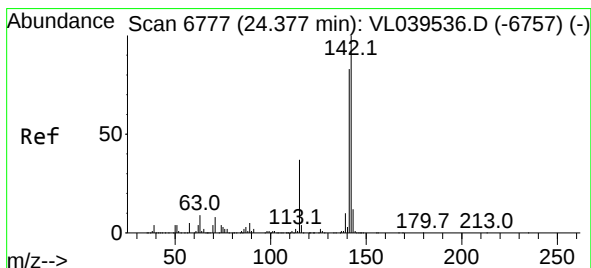
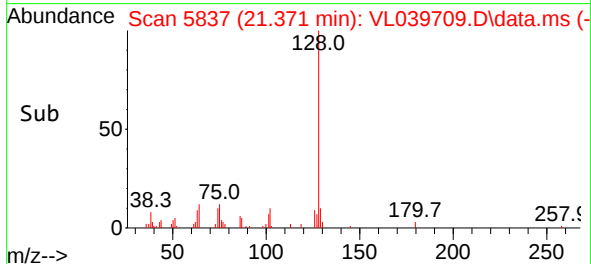
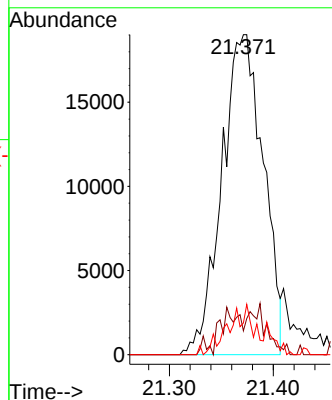
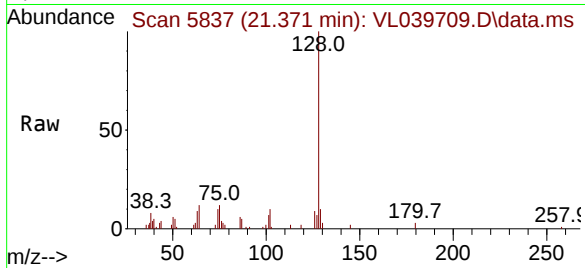




#79
Naphthalene
Concen: 0.291 ppbv
RT: 21.371 min Scan# 5837
Delta R.T. -0.009 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

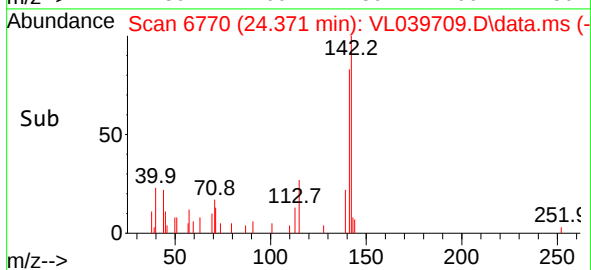
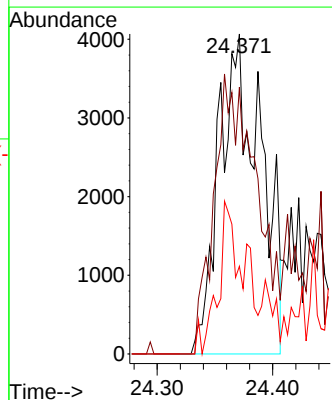
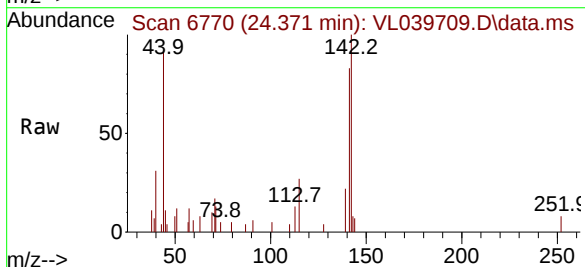
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

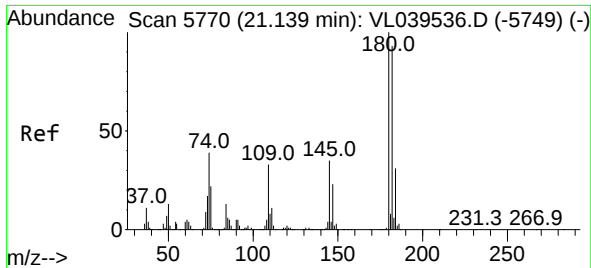
Tgt Ion:128 Resp: 52772
Ion Ratio Lower Upper
128 100
127 7.4 10.6 15.8#
129 9.9 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 0.149 ppbv
RT: 24.371 min Scan# 6770
Delta R.T. -0.006 min
Lab File: VL039709.D
Acq: 10 Oct 2022 23:30

Tgt Ion:142 Resp: 10178
Ion Ratio Lower Upper
142 100
141 96.8 68.9 103.3
115 36.0 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 0.373 ppbv m

RT: 21.127 min Scan# 5

Delta R.T. -0.012 min

Lab File: VL039709.D

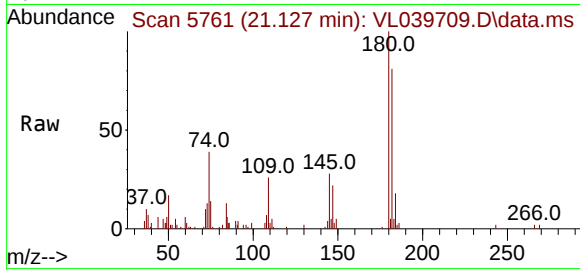
Acq: 10 Oct 2022 23:30

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL



Tgt Ion:180 Resp: 44440

Ion Ratio Lower Upper

180 100

182 96.2 77.1 115.7

184 0.0 24.3 36.5#

