

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040802.D
 Acq On : 25 Oct 2023 16:15
 Operator : SY/MD
 Sample : 04699-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Quant Time: Oct 26 03:52:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	947881	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2537041	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2358666	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1837292	10.586	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	83786	0.502	ppbv	98
3) Chlorodifluoromethane	2.694	51	69244	0.497	ppbv	92
4) Chloromethane	2.829	50	24184	0.440	ppbv	96
5) Vinyl Chloride	2.938	62	23810	0.419	ppbv	100
6) Bromomethane	3.131	94	9702	0.413	ppbv #	80
7) Chloroethane	3.208	64	4543	0.246	ppbv	89
8) Dichlorotetrafluoroethane	2.870	85	59953	0.474	ppbv	96
9) Propene	2.706	41	23717	0.458	ppbv	100
10) Heptane	7.568	43	28391	0.218	ppbv #	38
11) Trichlorofluoromethane	3.568	101	61858	0.480	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	20667	0.225	ppbv #	13
13) Ethanol	3.269	45	3320	0.284	ppbv #	12
14) Bromoethene	3.378	108	9880	0.251	ppbv #	13
15) Acetone	3.491	43	63723	0.650	ppbv	94
16) 1,3-Butadiene	2.999	39	22400	0.436	ppbv	93
17) tert-Butyl alcohol	3.899	59	37632	0.375	ppbv	98
18) 1,1-Dichloroethene	3.890	96	18219	0.442	ppbv #	90
19) Isopropyl Alcohol	3.603	45	25599	0.406	ppbv #	42
20) Methylene Chloride	3.941	84	24784	0.607	ppbv	90
21) Allyl Chloride	4.005	41	24101	0.373	ppbv #	72
22) trans-1,2-Dichloroethene	4.446	96	9647	0.220	ppbv	91
23) Vinyl Acetate	4.632	43	36738	0.294	ppbv #	94
24) 1,1-Dichloroethane	4.562	63	21470	0.228	ppbv #	92
25) Ethyl Acetate	5.211	43	91057	0.424	ppbv	97
26) Hexane	5.211	57	27945	0.285	ppbv #	23
27) Carbon Disulfide	4.131	76	43314	0.400	ppbv #	89
28) Methyl tert-Butyl Ether	4.603	73	27433	0.360	ppbv	97
29) Chloroform	5.269	83	69696	0.491	ppbv	91
30) Cyclohexane	6.591	84	15673	0.188	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	38482	0.426	ppbv	96
32) 1,1,1-Trichloroethane	5.999	97	63531	0.420	ppbv	96
34) 2-Butanone	4.800	43	48646	0.424	ppbv #	83
36) Benzene	6.369	78	32958	0.169	ppbv	95
37) 1,2-Dichloroethane	5.800	62	48408	0.484	ppbv	99
38) Trichloroethene	7.285	130	32623	0.378	ppbv	93
39) 1,2-Dichloropropane	7.070	63	13446	0.176	ppbv	96
40) 1,4-Dioxane	7.301	88	4512	0.156	ppbv #	1
42) Bromodichloromethane	7.240	83	32139	0.215	ppbv	97
43) Methyl Methacrylate	7.465	69	11112	0.142	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	147268	0.446	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	7945	0.128	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	34543	0.431	ppbv	96
48) Dibromochloromethane	9.693	129	51731	0.385	ppbv	100

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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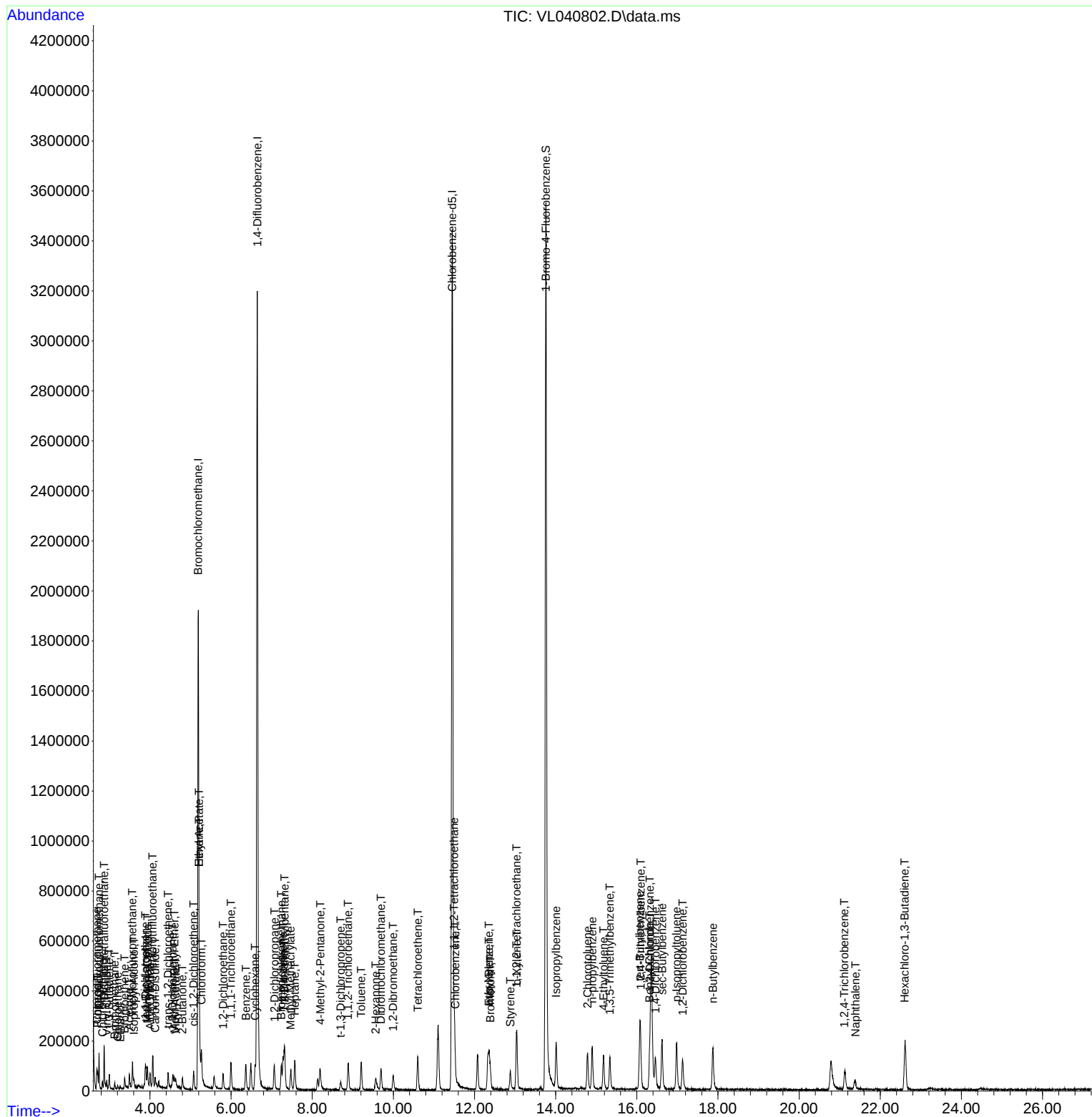
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
49) Bromoform	12.391	173	21512	0.197	ppbv	#	42
50) 4-Methyl-2-Pentanone	8.198	43	74411	0.379	ppbv		96
51) 2-Hexanone	9.565	43	30889	0.207	ppbv	#	61
52) Tetrachloroethene	10.600	164	30740	0.388	ppbv		94
53) Toluene	9.205	91	86148	0.371	ppbv		98
54) 1,2-Dibromoethane	9.996	107	47292	0.421	ppbv		84
56) 1,1,1,2-Tetrachloroethane	11.494	131	41614	0.432	ppbv	#	1
57) Chlorobenzene	11.526	112	15012	0.089	ppbv		98
58) Ethyl Benzene	12.356	91	28685	0.097	ppbv		95
59) m/p-Xylene	12.356	91	28685	0.117	ppbv	#	1
60) o-Xylene	13.040	91	102313	0.439	ppbv		99
61) Styrene	12.886	104	16090	0.125	ppbv	#	1
62) Isopropylbenzene	14.011	105	82055	0.229	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	13.034	83	78513	0.450	ppbv		96
64) n-propylbenzene	14.905	120	28853	0.300	ppbv	#	1
65) tert-Butylbenzene	16.072	119	136020	0.421	ppbv		92
66) Benzyl Chloride	16.314	91	1497	0.046	ppbv	#	1
67) sec-Butylbenzene	16.625	105	196855	0.445	ppbv		97
69) p-Isopropyltoluene	16.976	119	68266	0.184	ppbv	#	47
70) n-Butylbenzene	17.876	91	145682	0.400	ppbv		99
71) 2-Chlorotoluene	14.786	91	116986	0.435	ppbv		93
72) 4-Ethyltoluene	15.179	105	109686	0.402	ppbv	#	95
73) 1,3,5-Trimethylbenzene	15.333	105	100208	0.417	ppbv		97
74) 1,2,4-Trimethylbenzene	16.095	105	50365	0.192	ppbv		94
75) 1,3-Dichlorobenzene	16.320	146	45359	0.278	ppbv	#	56
76) 1,4-Dichlorobenzene	16.462	146	44405	0.275	ppbv	#	64
77) 1,2-Dichlorobenzene	17.130	146	61946	0.387	ppbv		92
78) Hexachloro-1,3-Butadiene	22.603	225	22143	0.193	ppbv	#	4
79) Naphthalene	21.387	128	16769	0.079	ppbv		97
81) 1,2,4-Trichlorobenzene	21.117	180	10871	0.094	ppbv	#	11

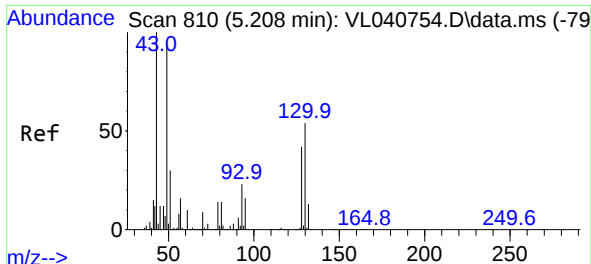
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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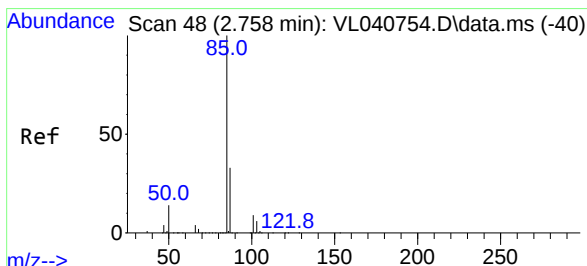
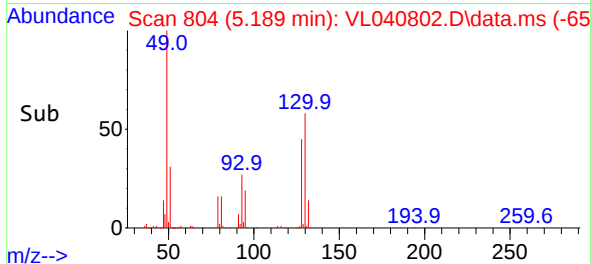
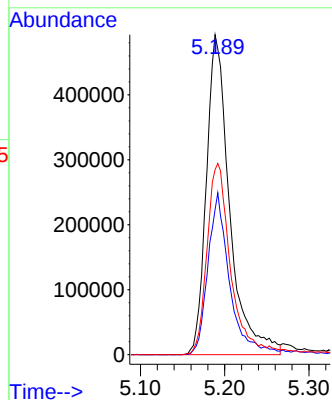
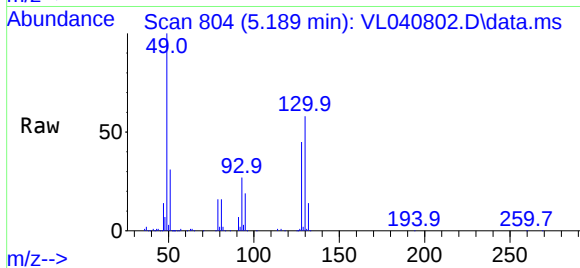




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

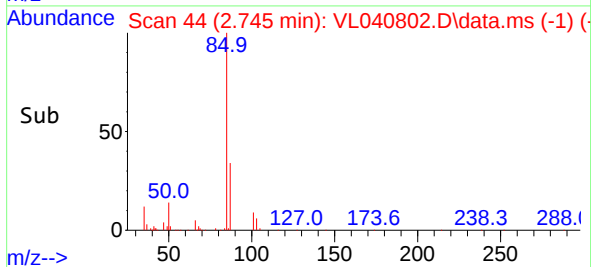
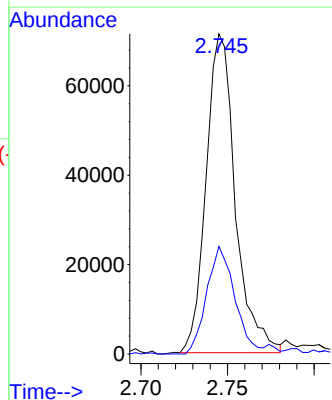
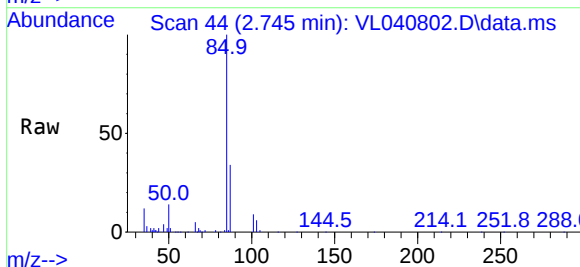
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 49 Resp: 947881
Ion Ratio Lower Upper
49 100
128 48.6 23.9 71.7
130 62.7 30.7 92.1

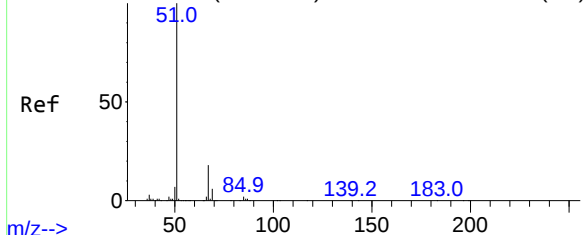


#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 85 Resp: 83786
Ion Ratio Lower Upper
85 100
87 33.7 26.0 39.0



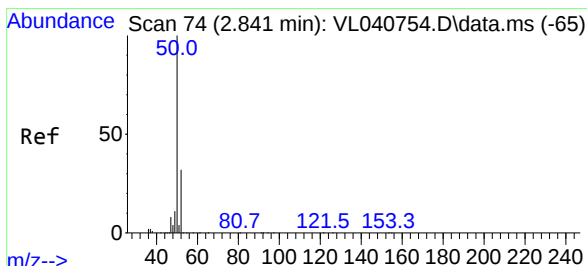
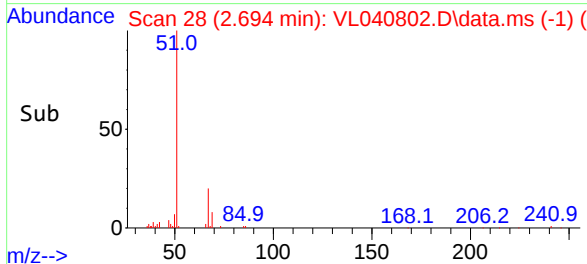
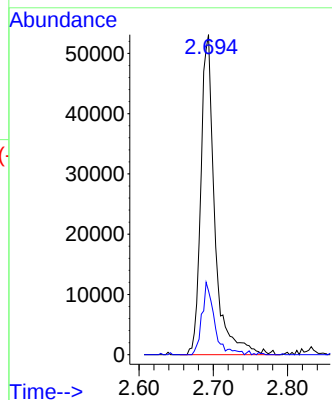
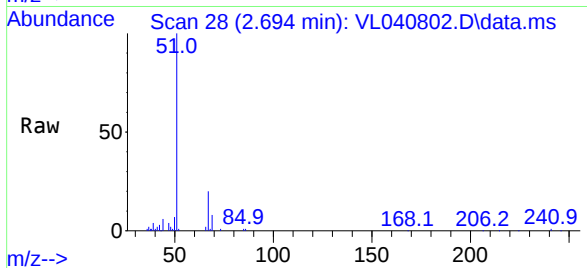
Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)



#3
Chlorodifluoromethane
Concen: 0.497 ppbv
RT: 2.694 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

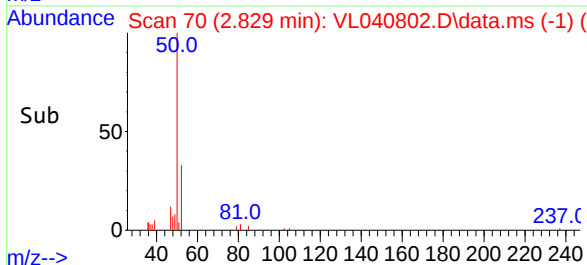
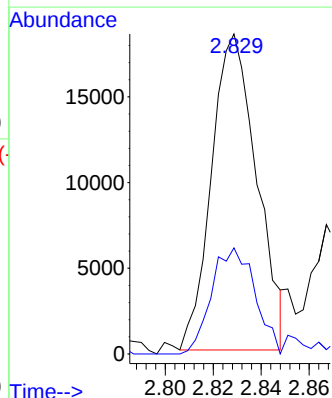
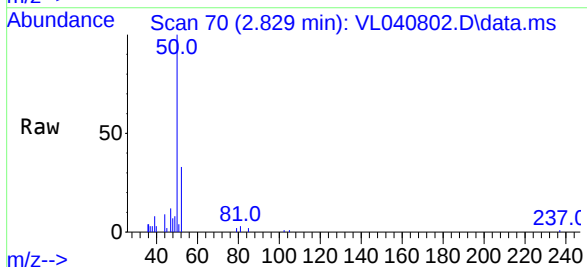
Instrument :
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ClientSampleId :
MDL-AIR-03-QT4-2023DL

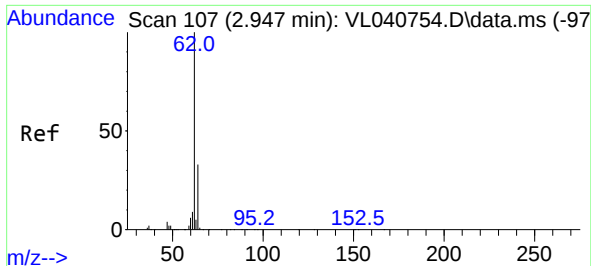
Tgt Ion: 51 Resp: 69244
Ion Ratio Lower Upper
51 100
67 20.5 13.8 20.6



#4
Chloromethane
Concen: 0.440 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 50 Resp: 24184
Ion Ratio Lower Upper
50 100
52 33.6 25.3 37.9

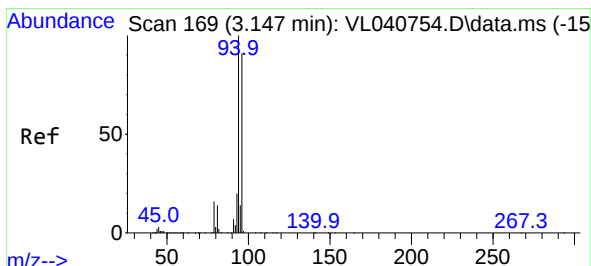
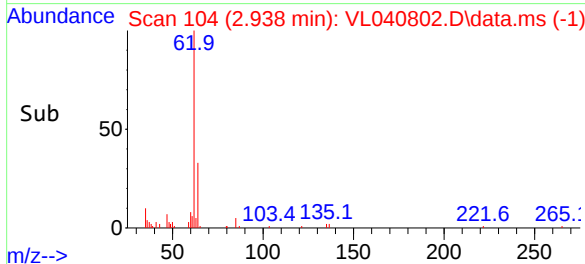
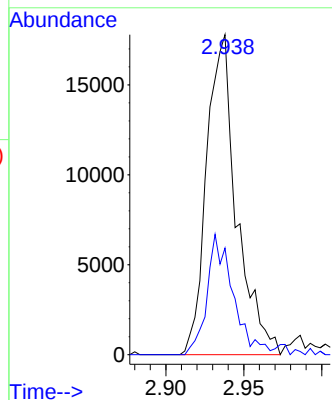
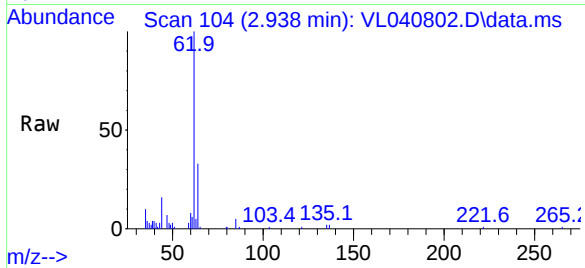




#5
 Vinyl Chloride
 Concen: 0.419 ppbv
 RT: 2.938 min Scan# 107
 Delta R.T. -0.009 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

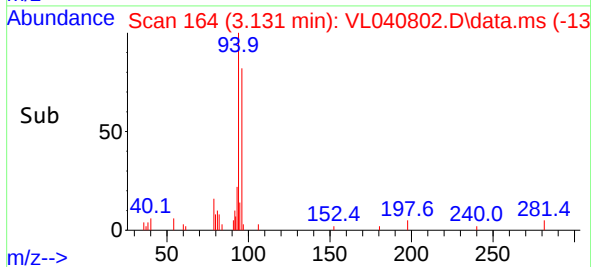
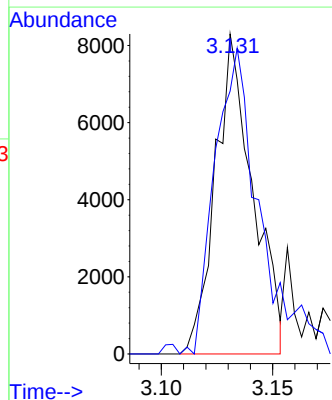
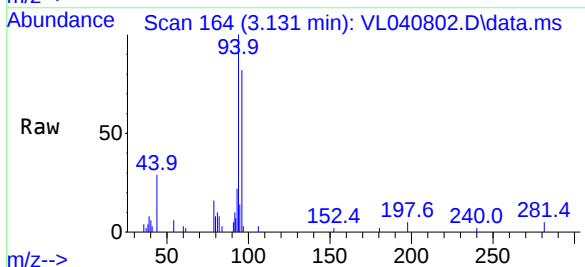
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

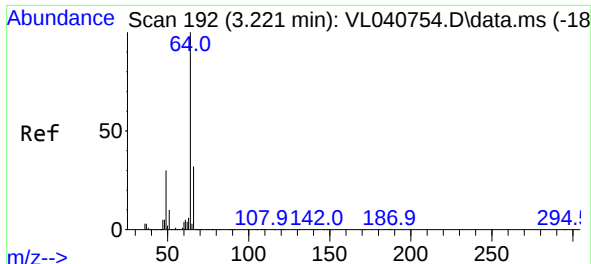
Tgt Ion: 62 Resp: 23810
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.6 39.8



#6
 Bromomethane
 Concen: 0.413 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Tgt Ion: 94 Resp: 9702
 Ion Ratio Lower Upper
 94 100
 96 71.8 72.6 109.0#

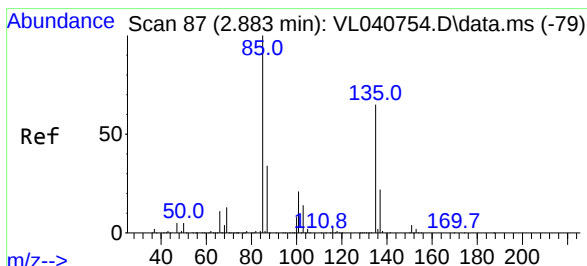
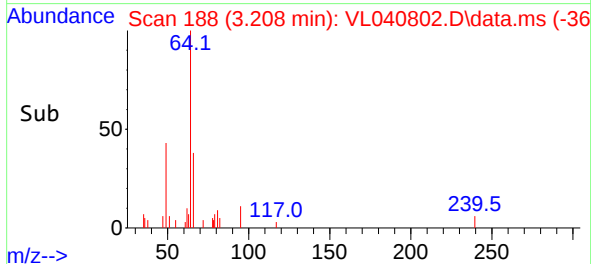
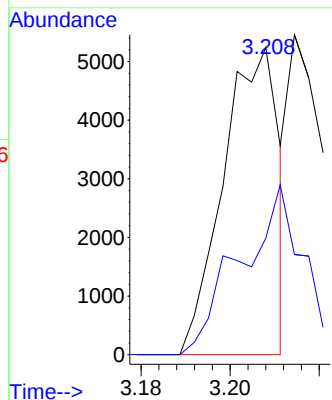
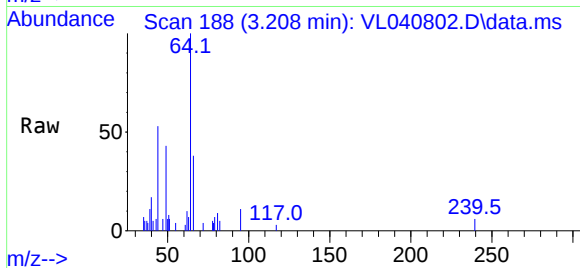




#7
Chloroethane
Concen: 0.246 ppbv
RT: 3.208 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

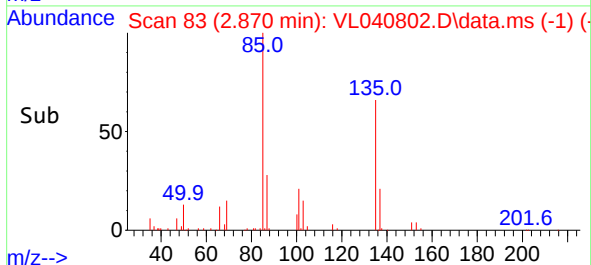
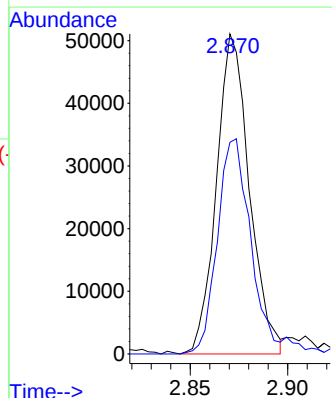
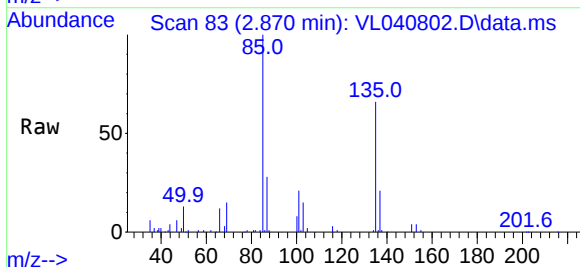
Instrument :
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Tgt Ion: 64 Resp: 4543
Ion Ratio Lower Upper
64 100
66 38.0 25.4 38.2

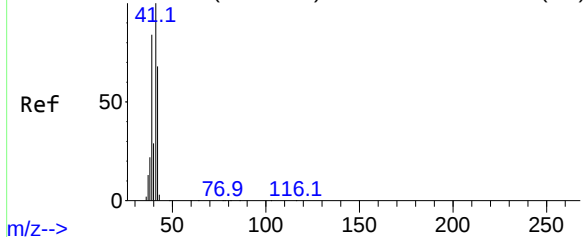


#8
Dichlorotetrafluoroethane
Concen: 0.474 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 85 Resp: 59953
Ion Ratio Lower Upper
85 100
135 72.3 55.4 83.2



Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



#9

Propene

Concen: 0.458 ppbv

RT: 2.706 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

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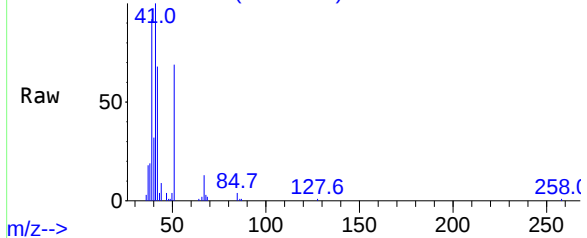
Tgt Ion: 41 Resp: 23717

Ion Ratio Lower Upper

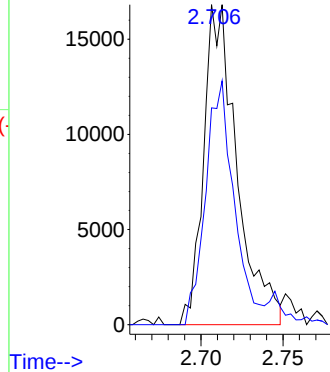
41 100

42 71.2 57.1 85.7

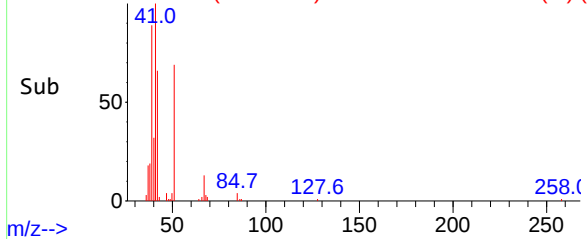
Abundance Scan 32 (2.706 min): VL040802.D\data.ms



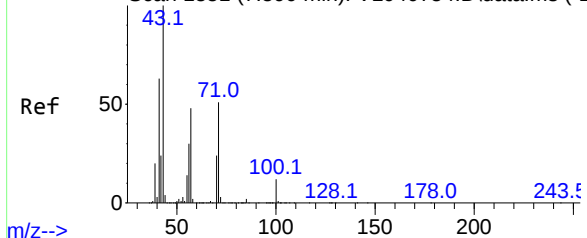
Abundance



Abundance Scan 32 (2.706 min): VL040802.D\data.ms (-1)



Abundance Scan 1551 (7.590 min): VL040754.D\data.ms (-1)



#10

Heptane

Concen: 0.218 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

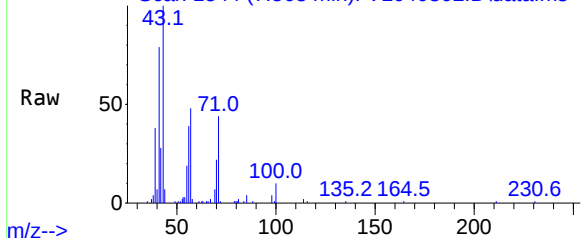
Tgt Ion: 43 Resp: 28391

Ion Ratio Lower Upper

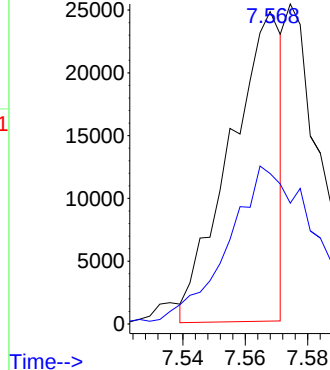
43 100

57 92.7 40.0 60.0#

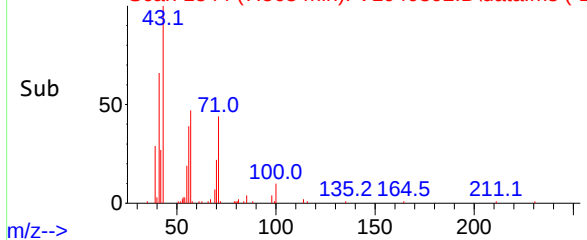
Abundance Scan 1544 (7.568 min): VL040802.D\data.ms

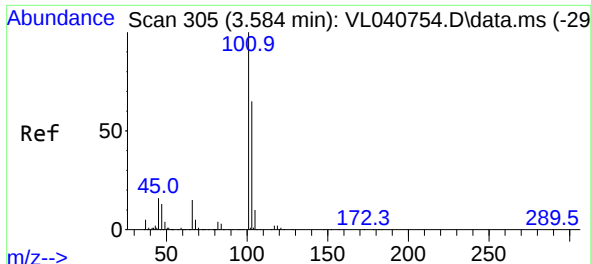


Abundance



Abundance Scan 1544 (7.568 min): VL040802.D\data.ms (-1)

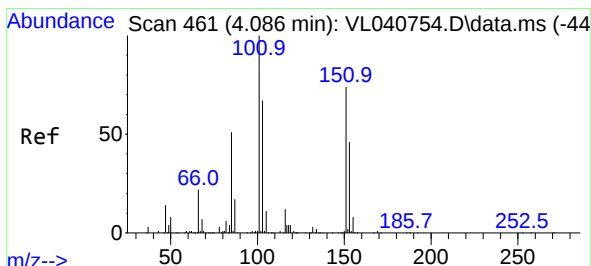
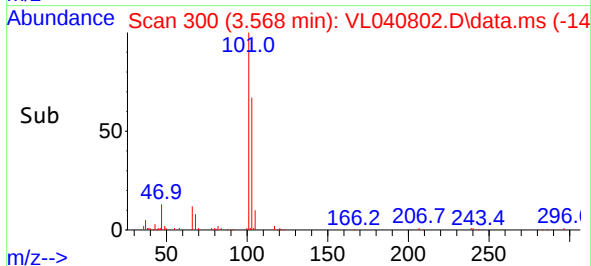
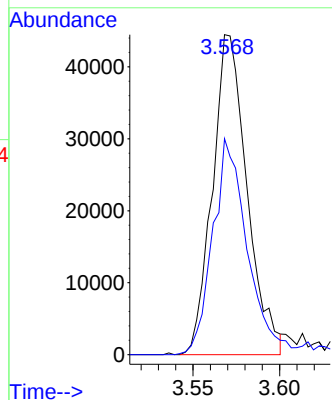
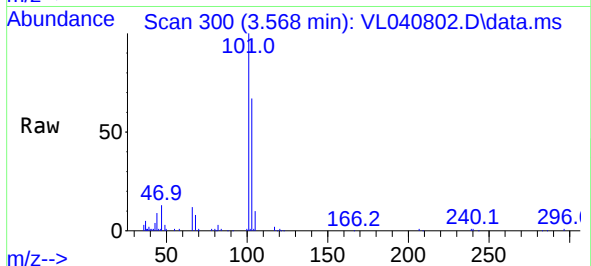




#11
 Trichlorofluoromethane
 Concen: 0.480 ppbv
 RT: 3.568 min Scan# 305
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

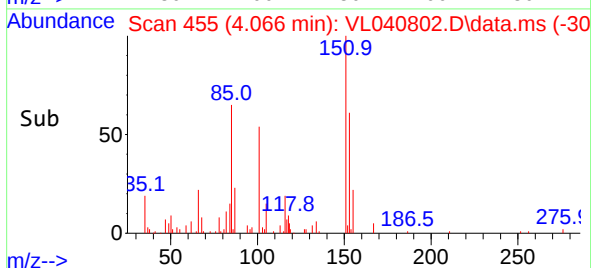
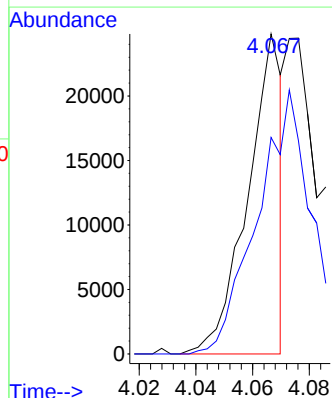
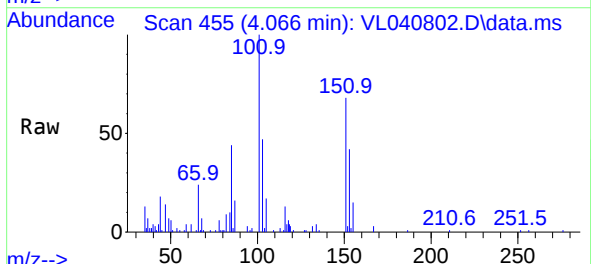
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

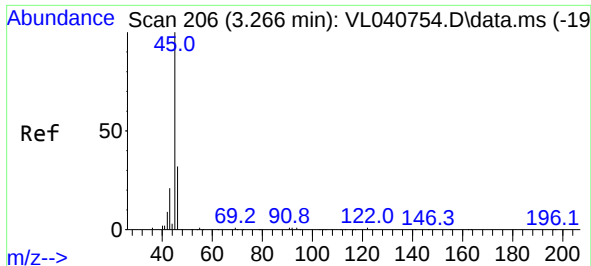
Tgt Ion:101 Resp: 61858
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.2 78.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.225 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Tgt Ion:101 Resp: 20667
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.1 87.1#





#13

Ethanol

Concen: 0.284 ppbv

RT: 3.269 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

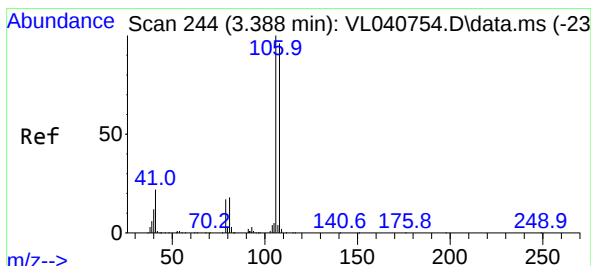
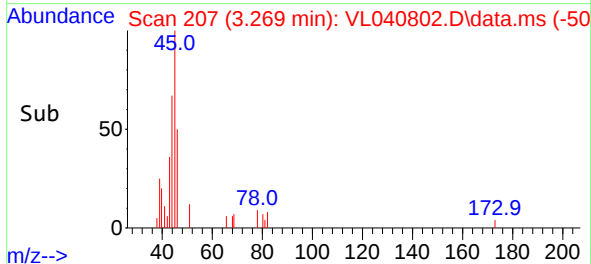
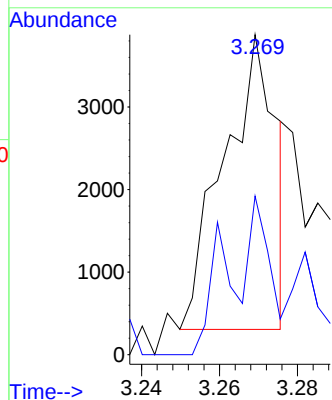
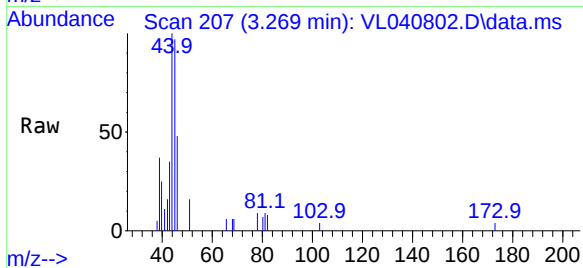
MDL-AIR-03-QT4-2023DL

Tgt Ion: 45 Resp: 3320

Ion Ratio Lower Upper

45 100

46 88.3 14.6 58.2#



#14

Bromoethene

Concen: 0.251 ppbv

RT: 3.378 min Scan# 241

Delta R.T. -0.010 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

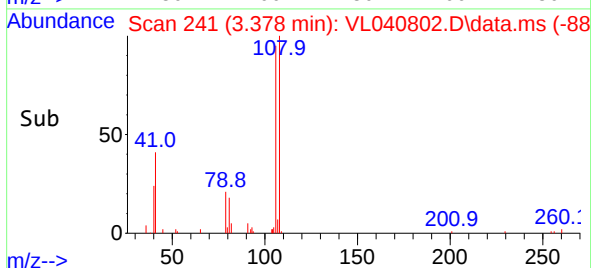
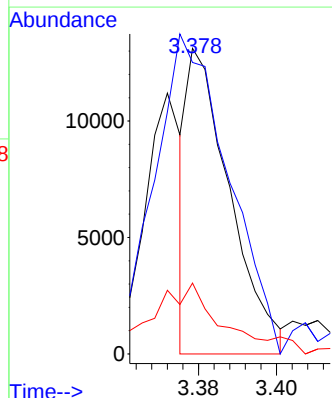
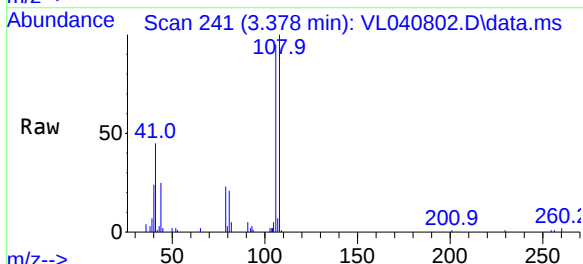
Tgt Ion: 108 Resp: 9880

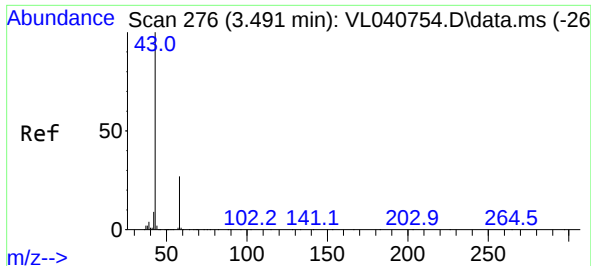
Ion Ratio Lower Upper

108 100

106 204.2 85.2 127.8#

79 40.2 15.7 23.5#

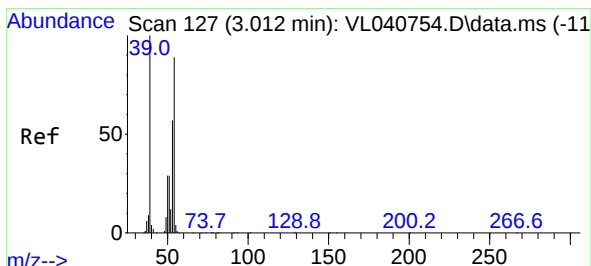
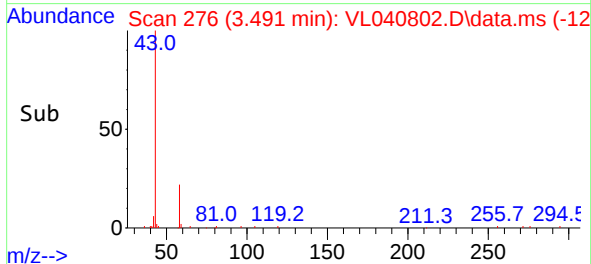
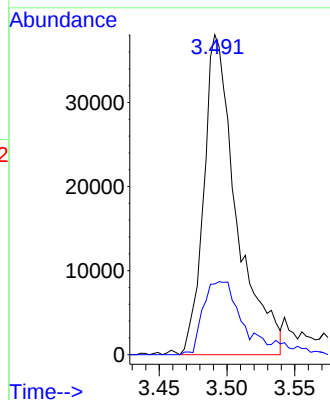
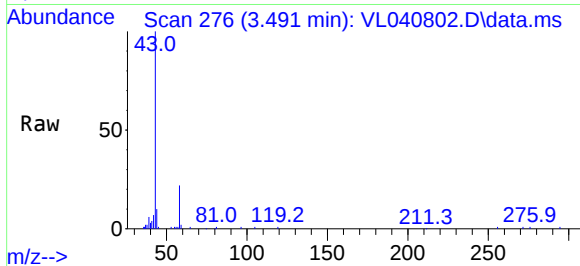




#15
Acetone
Concen: 0.650 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

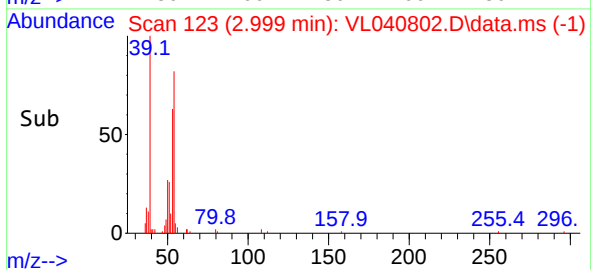
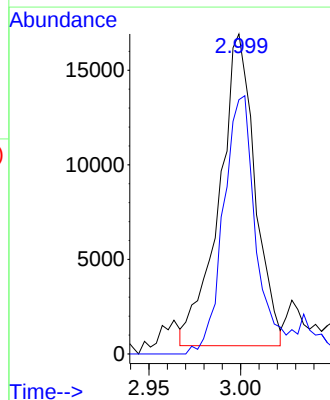
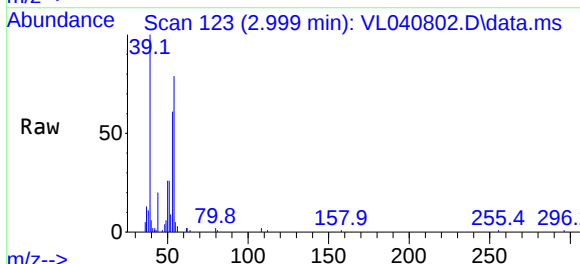
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

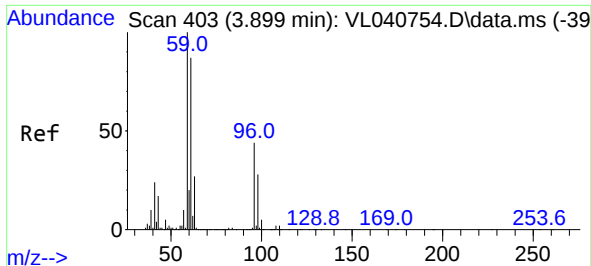
Tgt Ion: 43 Resp: 63723
Ion Ratio Lower Upper
43 100
58 30.3 21.6 32.4



#16
1,3-Butadiene
Concen: 0.436 ppbv
RT: 2.999 min Scan# 123
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 39 Resp: 22400
Ion Ratio Lower Upper
39 100
54 84.7 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.375 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.000 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

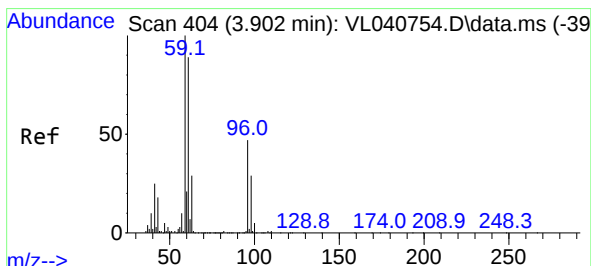
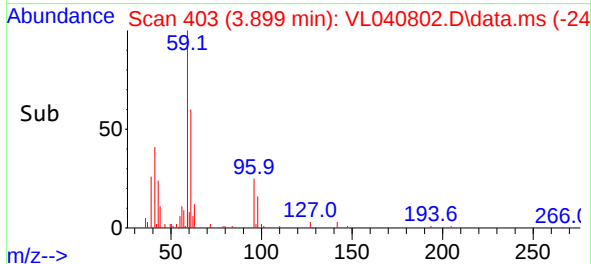
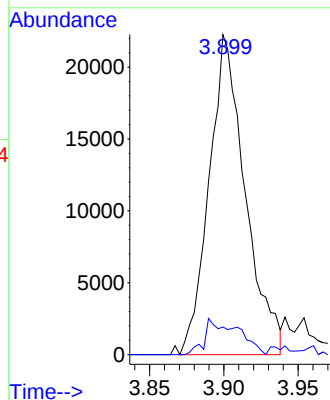
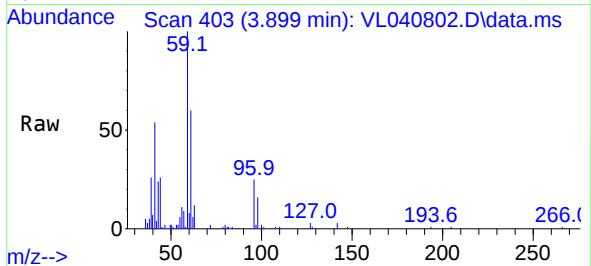
MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 37632

Ion Ratio Lower Upper

59 100

57 11.7 8.6 13.0



#18

1,1-Dichloroethene

Concen: 0.442 ppbv

RT: 3.890 min Scan# 400

Delta R.T. -0.013 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

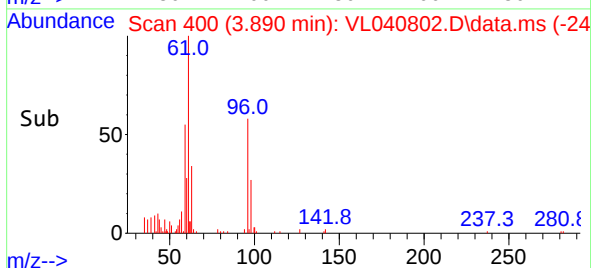
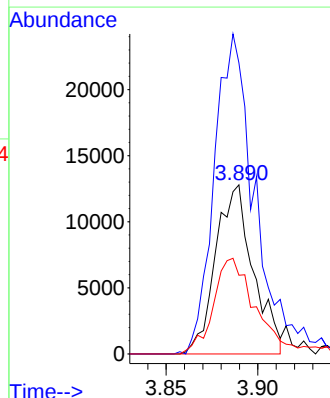
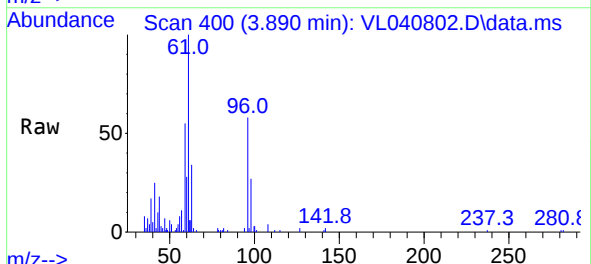
Tgt Ion: 96 Resp: 18219

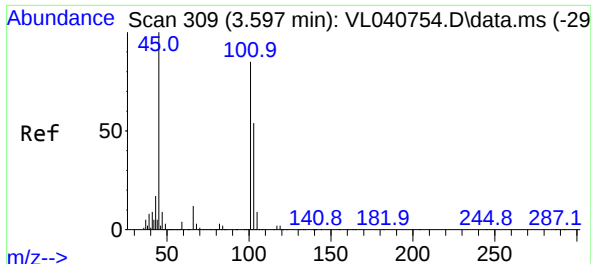
Ion Ratio Lower Upper

96 100

61 180.9 152.5 228.7

98 46.5 49.6 74.4#





#19

Isopropyl Alcohol

Concen: 0.406 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.007 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

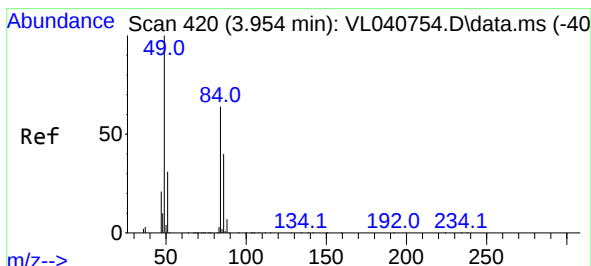
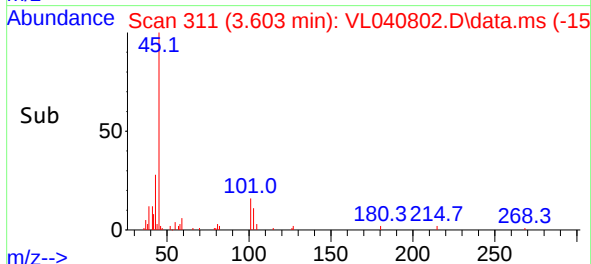
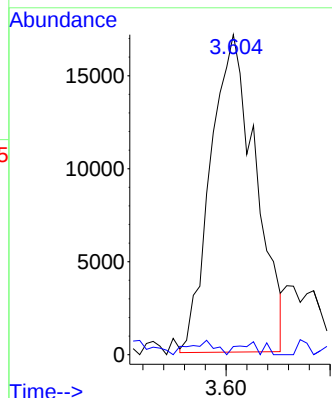
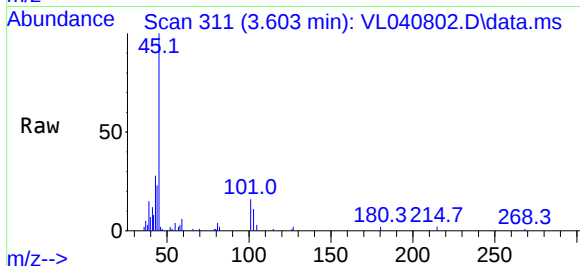
MDL-AIR-03-QT4-2023DL

Tgt Ion: 45 Resp: 25599

Ion Ratio Lower Upper

45 100

58 2.7 30.3 45.5#



#20

Methylene Chloride

Concen: 0.607 ppbv

RT: 3.941 min Scan# 416

Delta R.T. -0.013 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Tgt Ion: 84 Resp: 24784

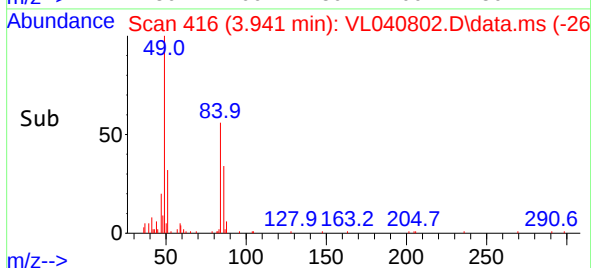
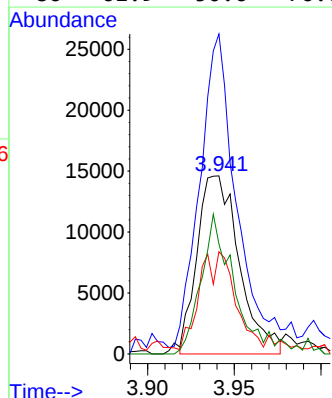
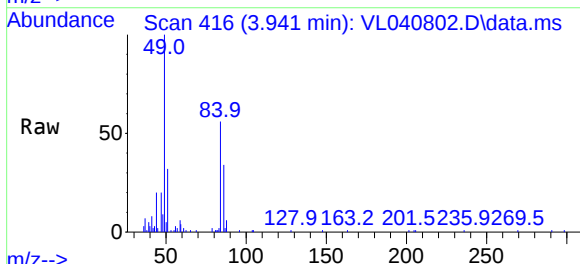
Ion Ratio Lower Upper

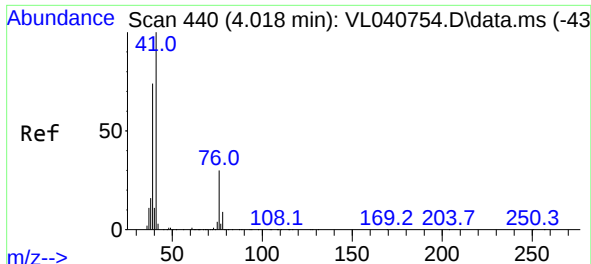
84 100

49 172.9 125.6 188.4

51 57.2 38.9 58.3

86 61.9 50.6 76.0





#21

Allyl Chloride

Concen: 0.373 ppbv

RT: 4.005 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

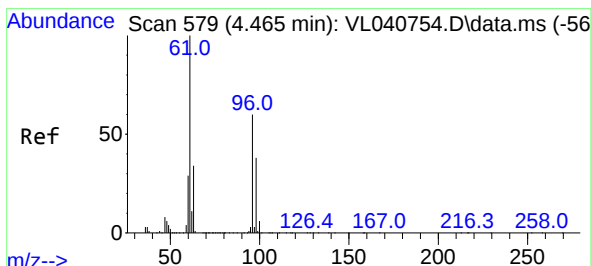
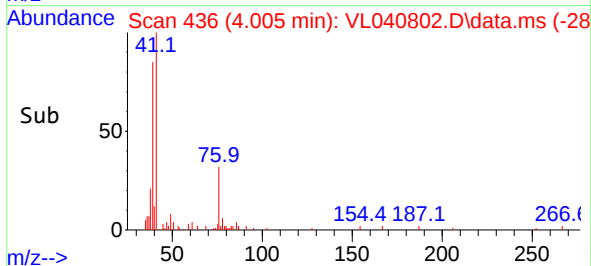
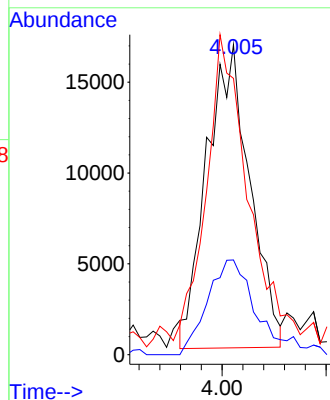
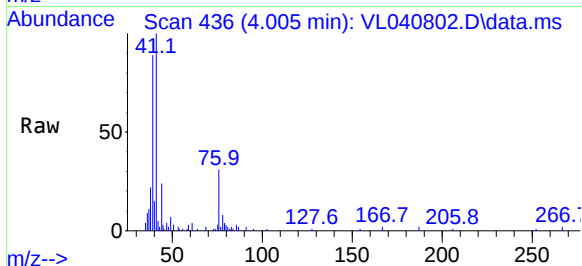
Tgt Ion: 41 Resp: 24101

Ion Ratio Lower Upper

41 100

76 39.1 24.1 36.1#

39 108.7 63.8 95.6#



#22

trans-1,2-Dichloroethene

Concen: 0.220 ppbv

RT: 4.446 min Scan# 573

Delta R.T. -0.019 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

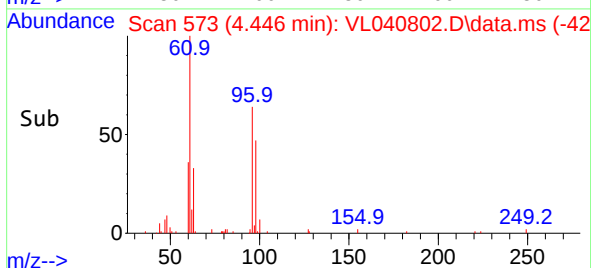
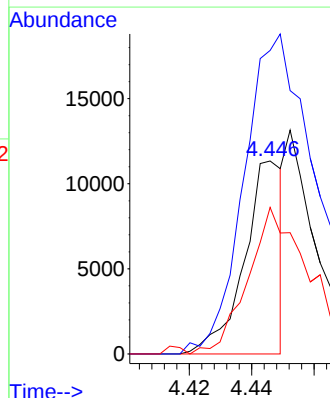
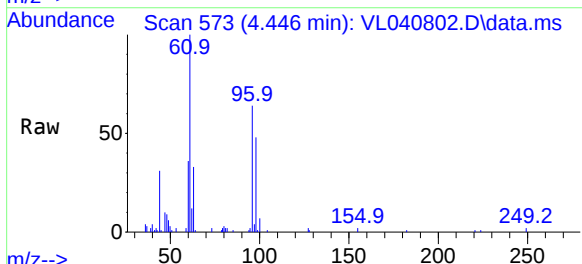
Tgt Ion: 96 Resp: 9647

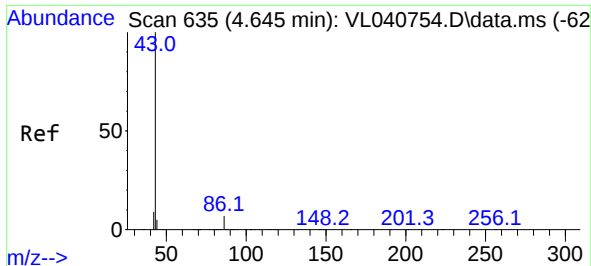
Ion Ratio Lower Upper

96 100

61 157.3 134.0 201.0

98 72.6 51.0 76.4

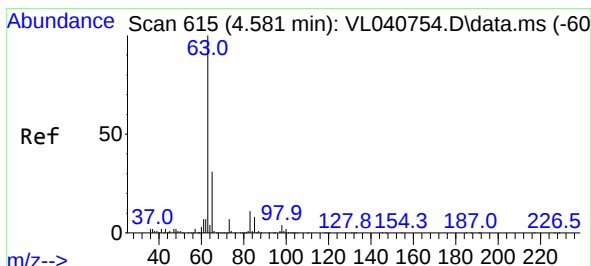
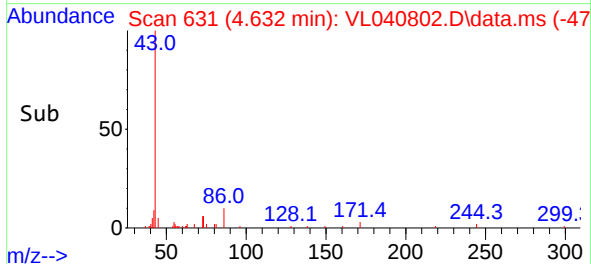
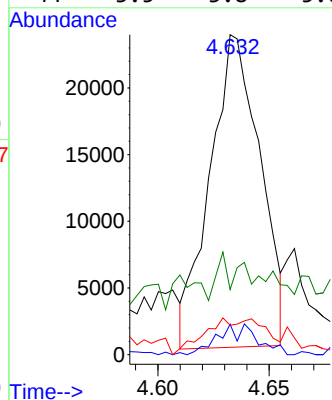
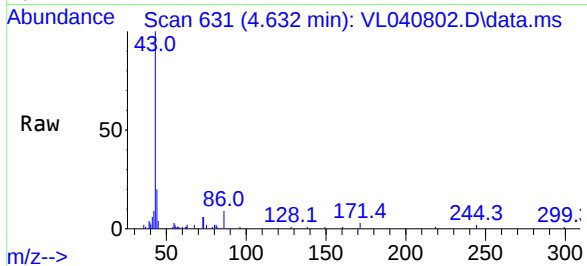




#23
 Vinyl Acetate
 Concen: 0.294 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

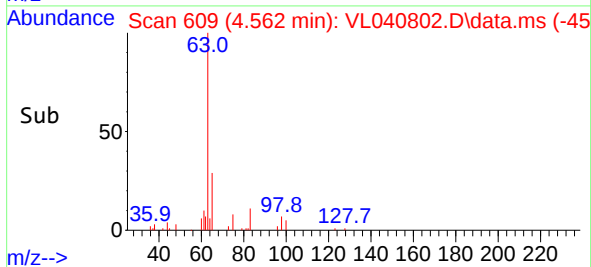
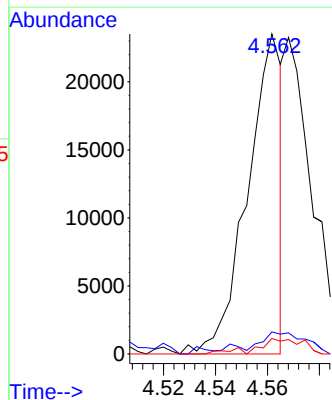
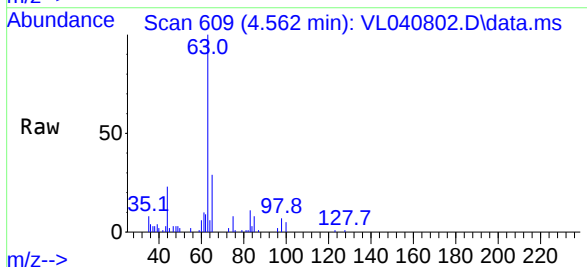
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

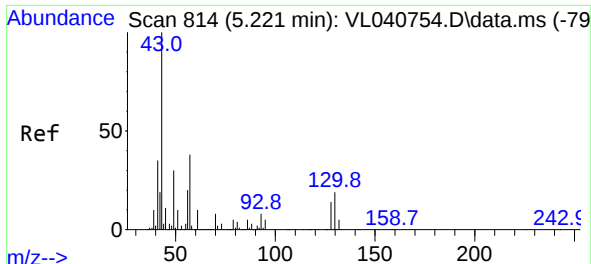
Tgt Ion:	43	Resp:	36738
Ion	Ratio	Lower	Upper
43	100		
86	10.5	4.9	7.3#
42	8.7	7.8	11.6
44	3.5	3.8	5.6#



#24
 1,1-Dichloroethane
 Concen: 0.228 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Tgt Ion:	63	Resp:	21470
Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.0	5.8#
100	4.8	1.3	3.8#



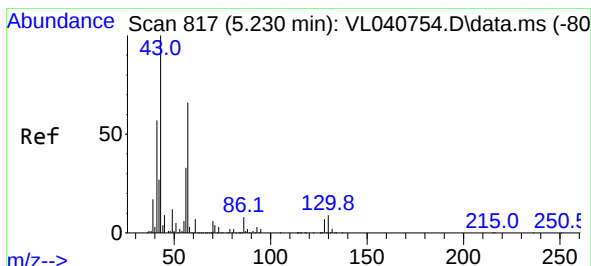
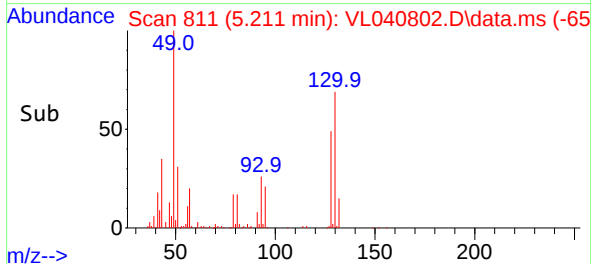
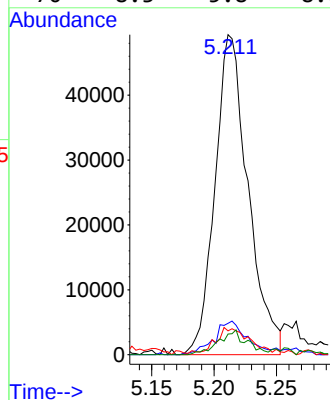
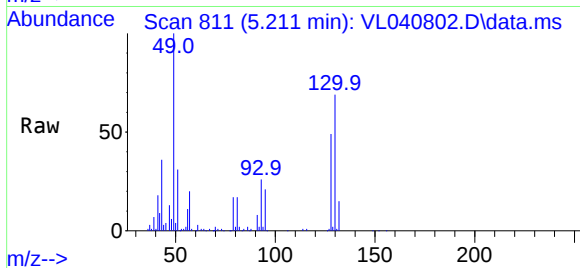


#25
Ethyl Acetate
Concen: 0.424 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 91057

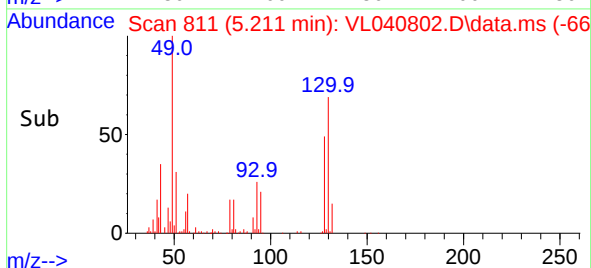
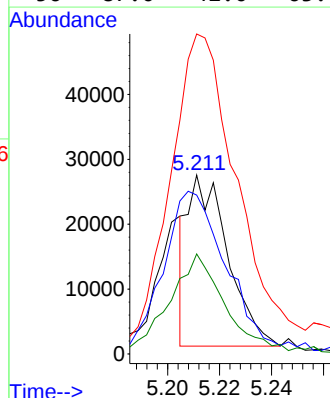
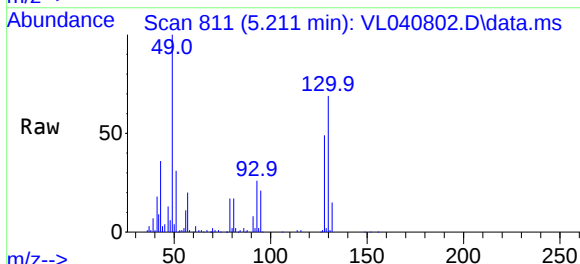
Ion	Ratio	Lower	Upper
43	100		
45	12.0	8.2	12.4
61	10.1	8.2	12.2
70	8.3	5.8	8.6

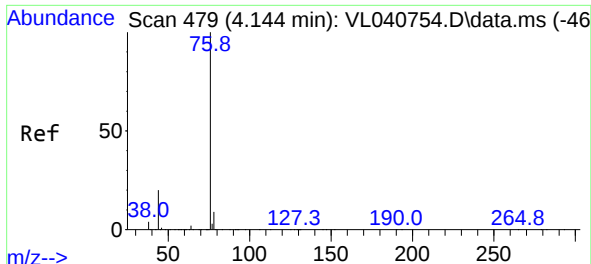


#26
Hexane
Concen: 0.285 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 57 Resp: 27945

Ion	Ratio	Lower	Upper
57	100		
41	164.6	71.4	107.2#
43	362.0	182.3	273.5#
56	87.0	42.0	63.0#

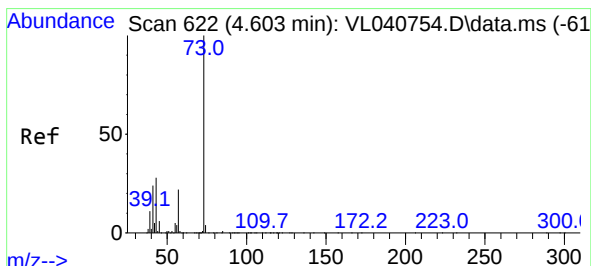
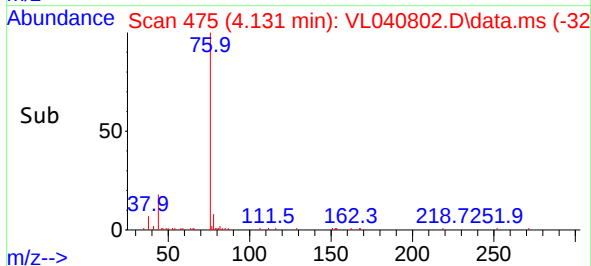
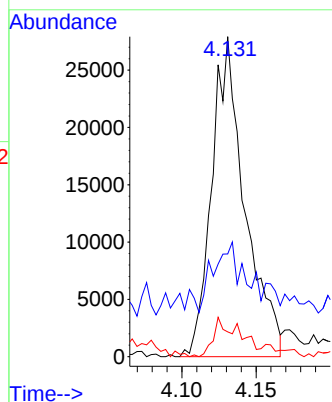
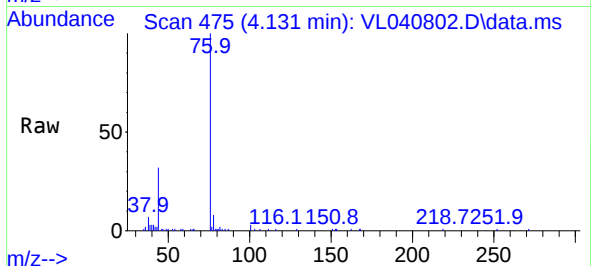




#27
Carbon Disulfide
Concen: 0.400 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

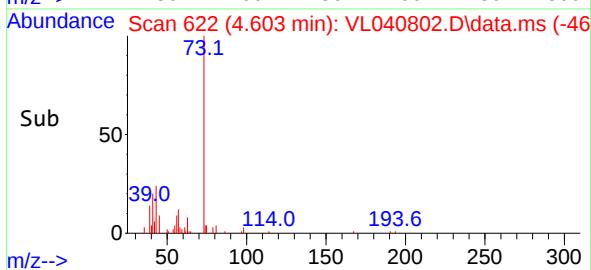
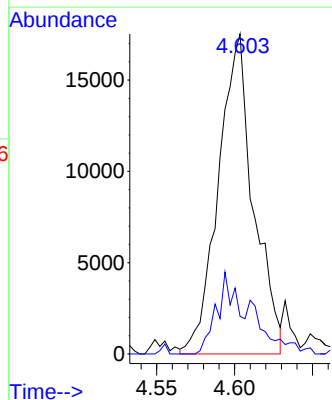
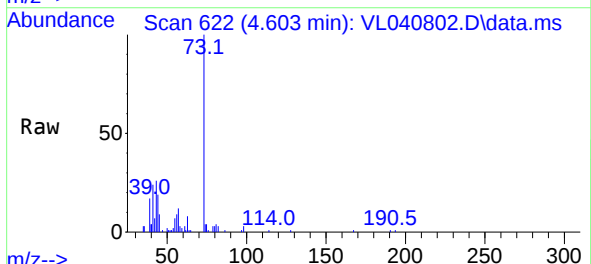
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

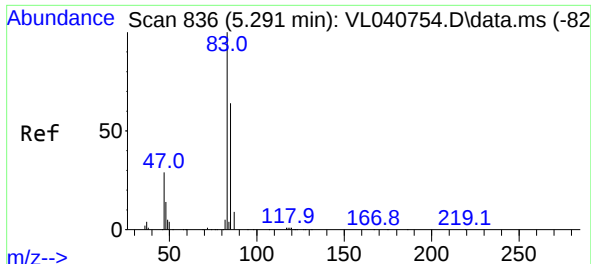
Tgt Ion: 76 Resp: 43314
Ion Ratio Lower Upper
76 100
44 26.4 16.6 25.0#
78 12.6 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 0.360 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.000 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 73 Resp: 27433
Ion Ratio Lower Upper
73 100
57 25.2 18.9 28.3





#29

Chloroform

Concen: 0.491 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040802.D

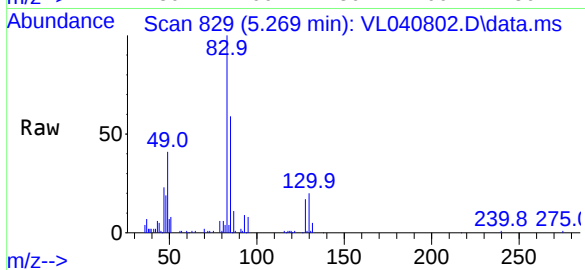
Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

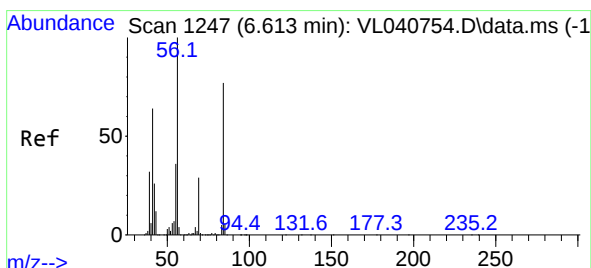
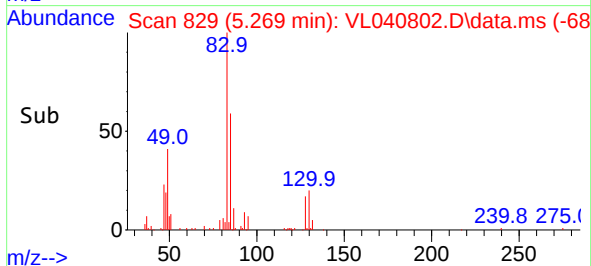
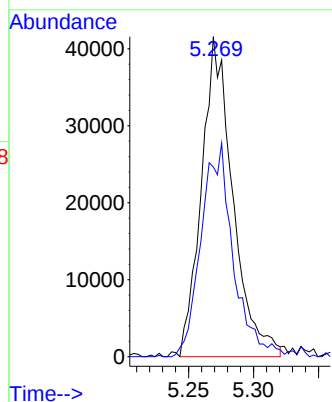


Tgt Ion: 83 Resp: 69696

Ion Ratio Lower Upper

83 100

85 57.1 51.3 76.9



#30

Cyclohexane

Concen: 0.188 ppbv

RT: 6.591 min Scan# 1240

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

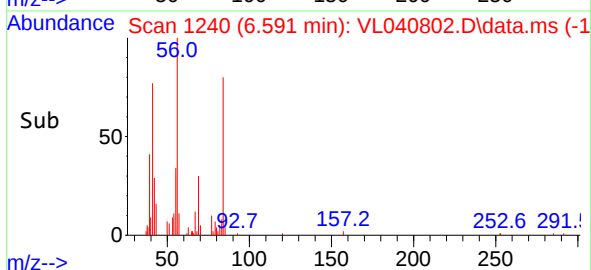
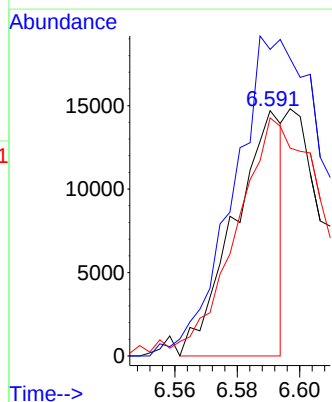
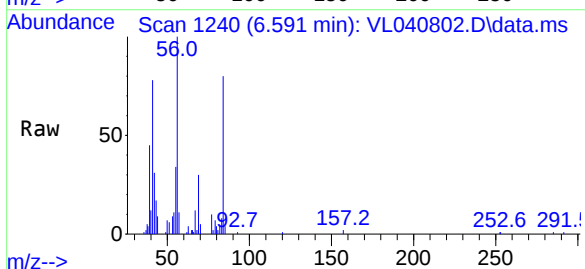
Tgt Ion: 84 Resp: 15673

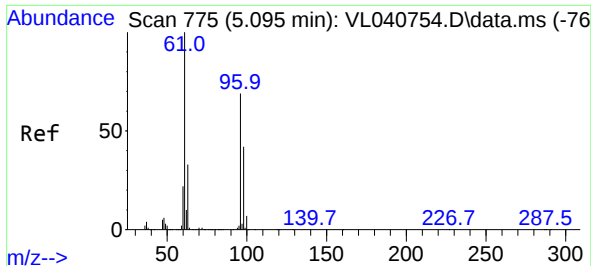
Ion Ratio Lower Upper

84 100

56 259.9 110.3 165.5#

41 195.4 67.4 101.2#

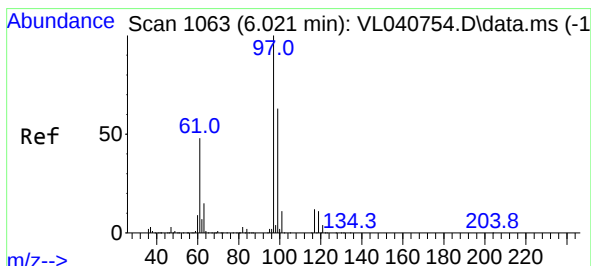
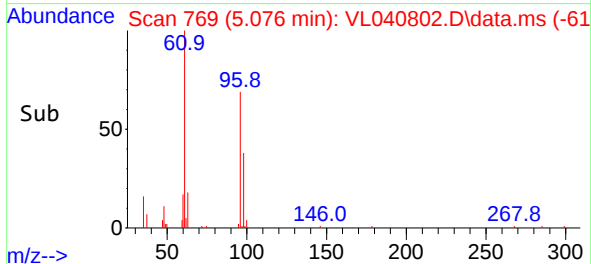
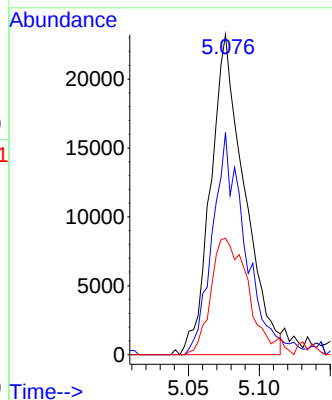
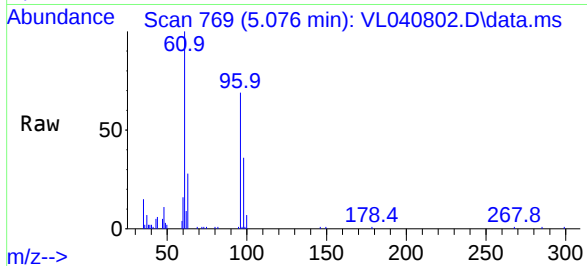




#31
cis-1,2-Dichloroethene
Concen: 0.426 ppbv
RT: 5.076 min Scan# 710
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

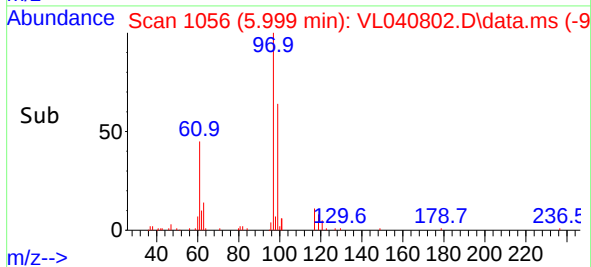
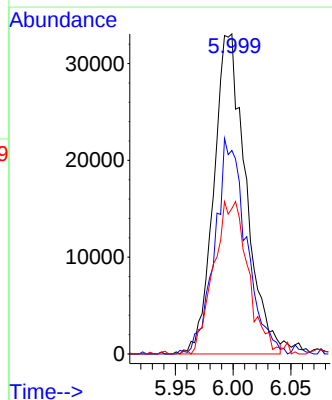
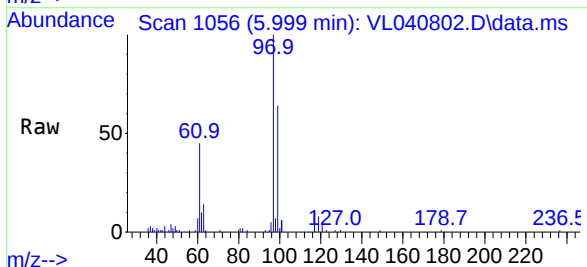
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

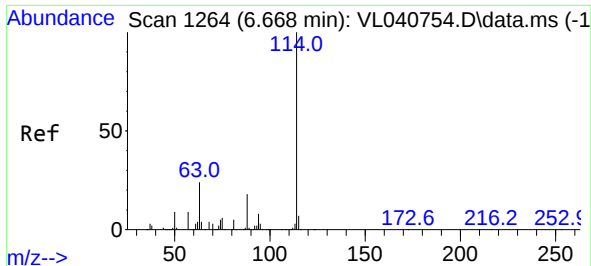
Tgt Ion: 61 Resp: 38482
Ion Ratio Lower Upper
61 100
96 69.4 55.1 82.7
98 36.4 33.5 50.3



#32
1,1,1-Trichloroethane
Concen: 0.420 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 97 Resp: 63531
Ion Ratio Lower Upper
97 100
99 67.4 51.8 77.6
61 52.0 38.6 58.0

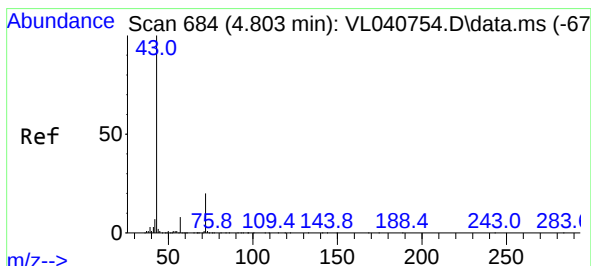
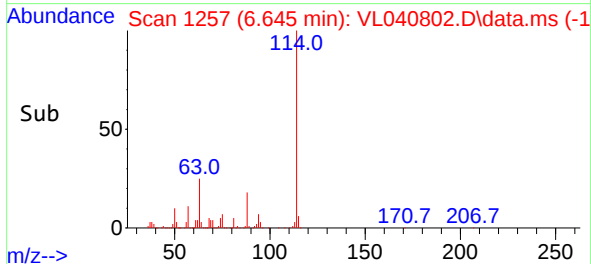
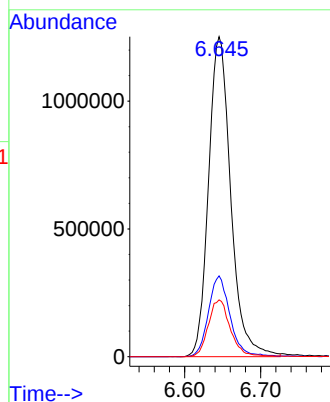
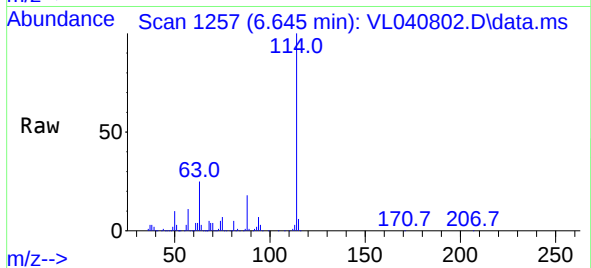




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

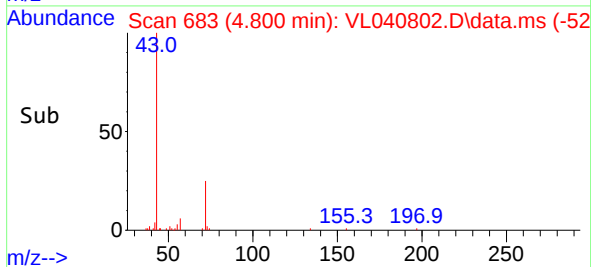
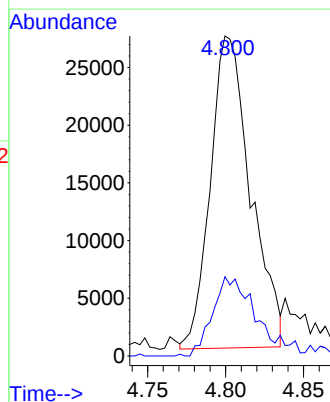
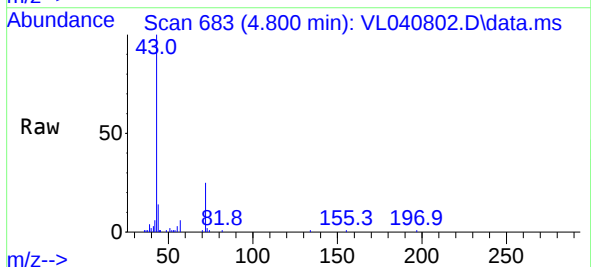
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

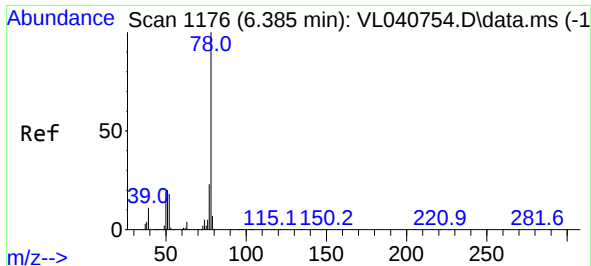
Tgt Ion:114 Resp: 2537041
Ion Ratio Lower Upper
114 100
63 24.8 19.8 29.6
88 17.8 14.2 21.2



#34
2-Butanone
Concen: 0.424 ppbv
RT: 4.800 min Scan# 683
Delta R.T. -0.003 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 43 Resp: 48646
Ion Ratio Lower Upper
43 100
72 29.1 16.8 25.2#

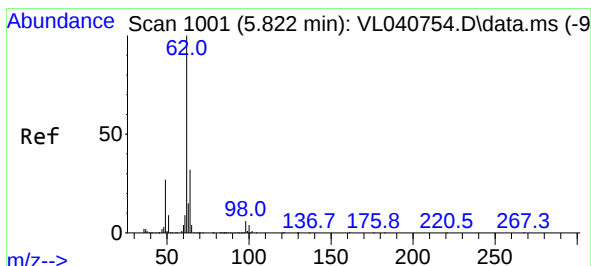
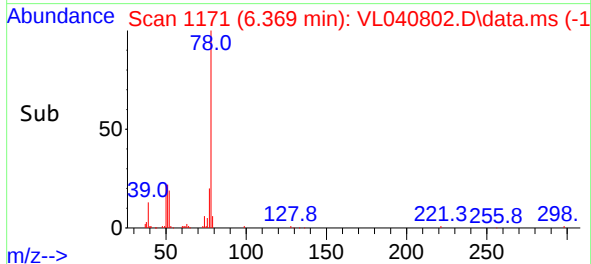
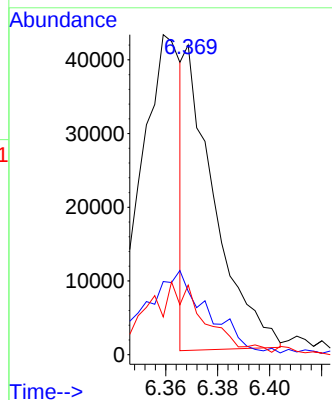
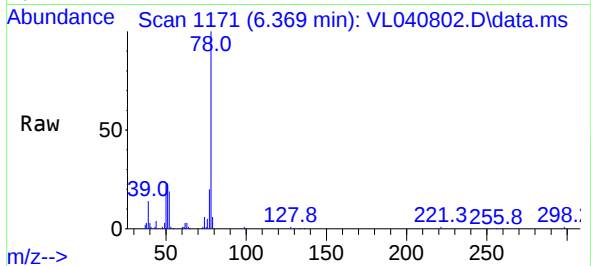




#36
Benzene
Concen: 0.169 ppbv
RT: 6.369 min Scan# 1176
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

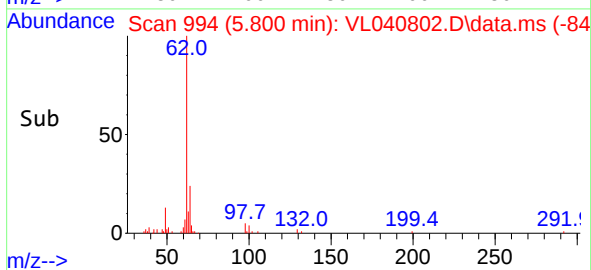
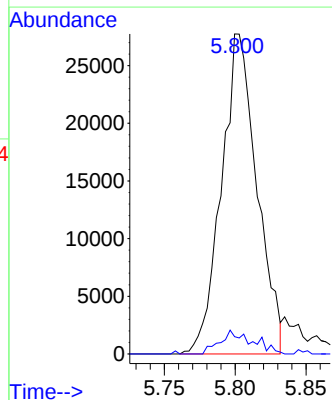
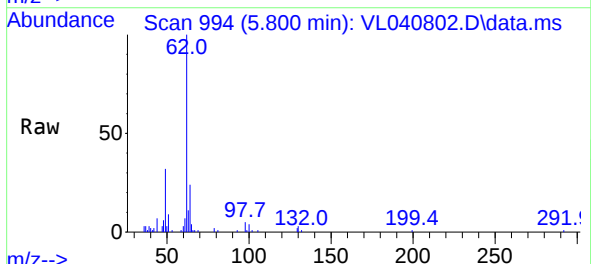
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

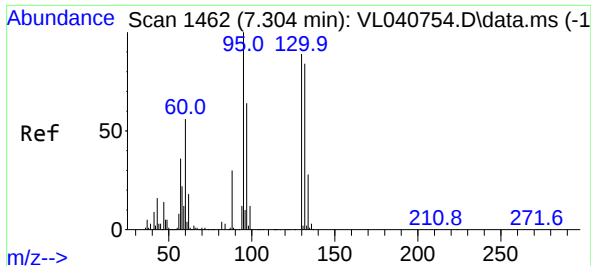
Tgt Ion: 78 Resp: 32958
Ion Ratio Lower Upper
78 100
77 20.7 18.4 27.6
50 20.6 15.0 22.4



#37
1,2-Dichloroethane
Concen: 0.484 ppbv
RT: 5.800 min Scan# 994
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 62 Resp: 48408
Ion Ratio Lower Upper
62 100
98 7.1 5.4 8.0



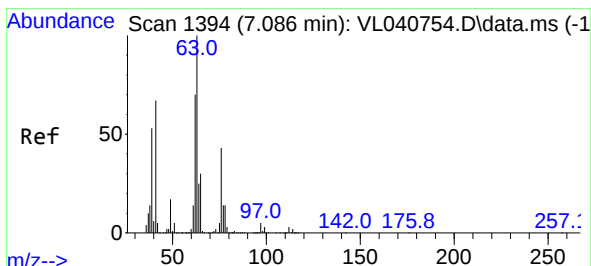
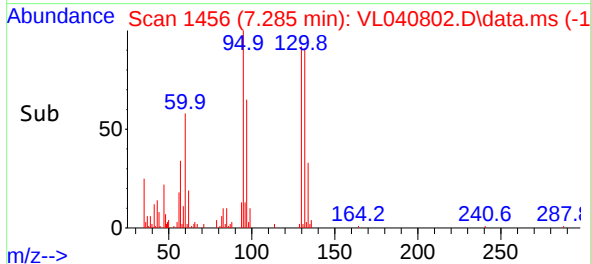
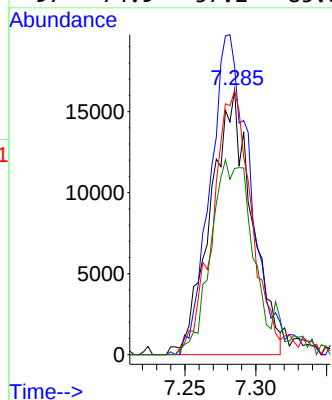
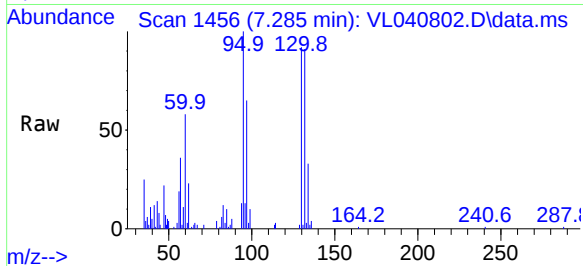


#38
 Trichloroethene
 Concen: 0.378 ppbv
 RT: 7.285 min Scan# 1462
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion:130 Resp: 32623

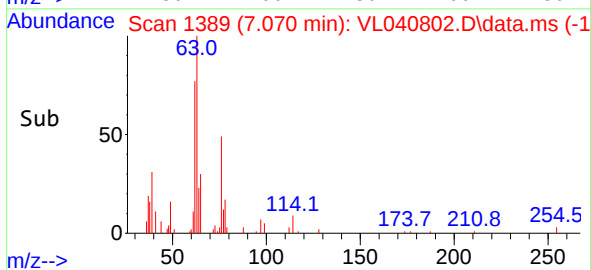
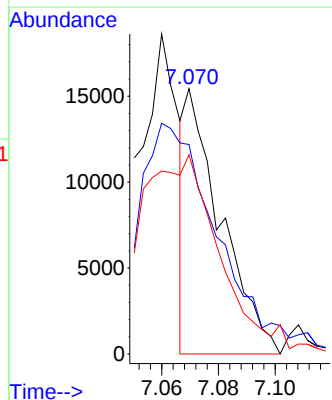
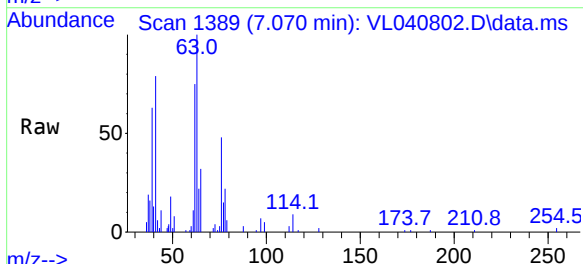
Ion	Ratio	Lower	Upper
130	100		
95	117.1	89.4	134.2
132	105.8	74.8	112.2
97	74.9	57.2	85.8

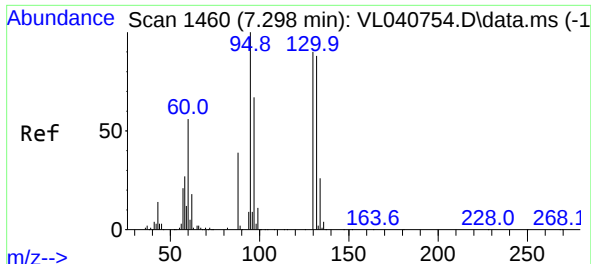


#39
 1,2-Dichloropropane
 Concen: 0.176 ppbv
 RT: 7.070 min Scan# 1389
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Tgt Ion: 63 Resp: 13446

Ion	Ratio	Lower	Upper
63	100		
41	68.3	53.7	80.5
62	64.0	55.7	83.5

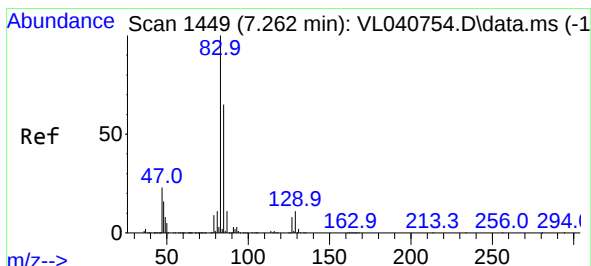
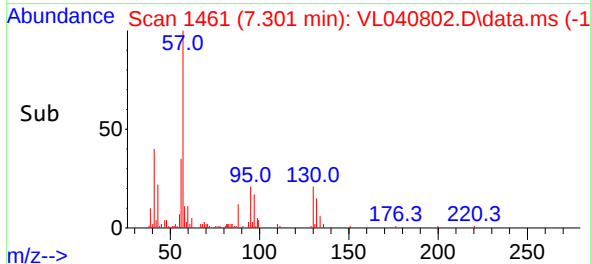
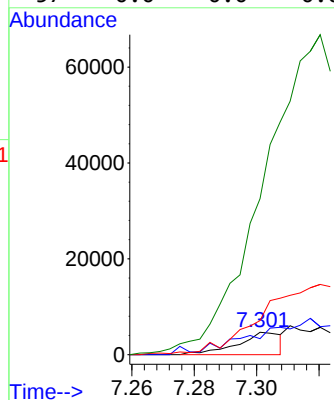
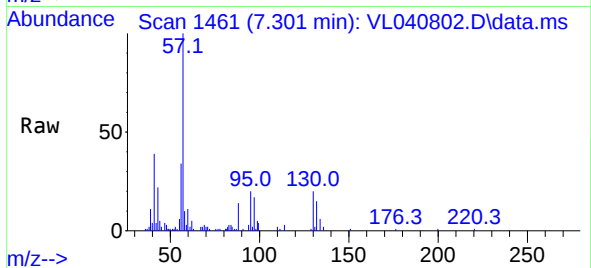




#40
1,4-Dioxane
Concen: 0.156 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.003 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

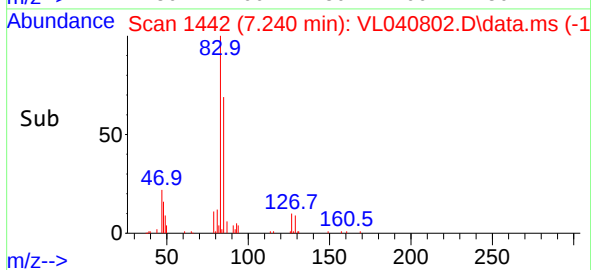
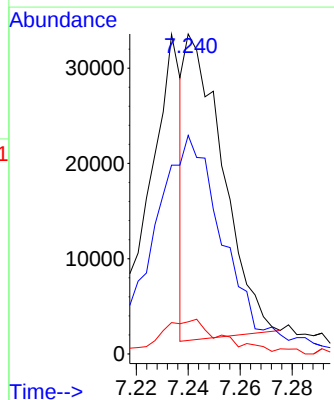
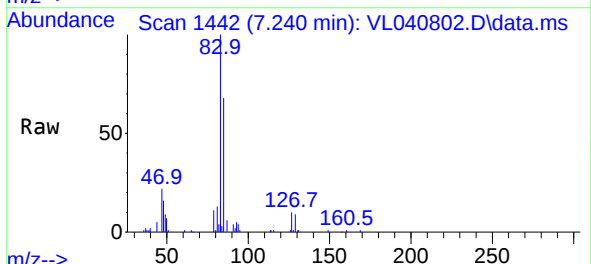
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

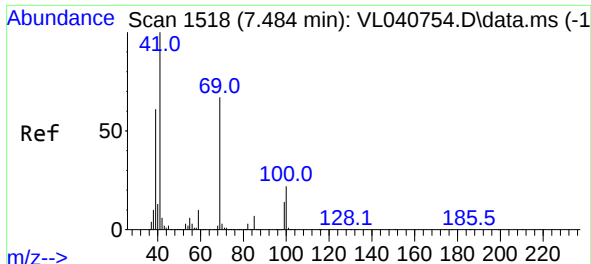
Tgt Ion: 88 Resp: 4512
Ion Ratio Lower Upper
88 100
58 0.0 100.0 150.0#
43 0.0 0.0 0.0
57 0.0 0.0 0.0



#42
Bromodichloromethane
Concen: 0.215 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 83 Resp: 32139
Ion Ratio Lower Upper
83 100
85 67.1 52.1 78.1
127 9.1 6.7 10.1

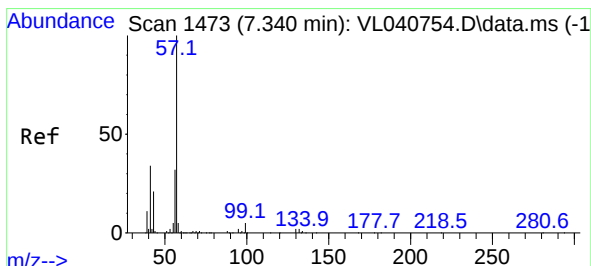
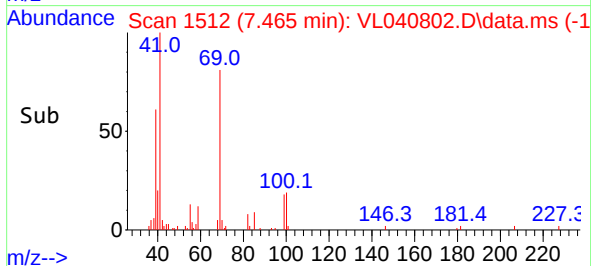
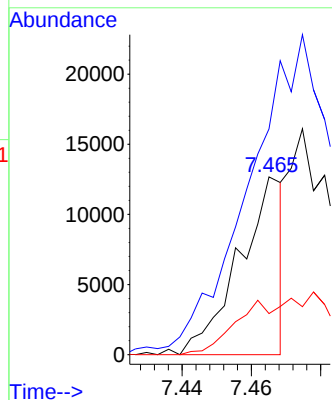
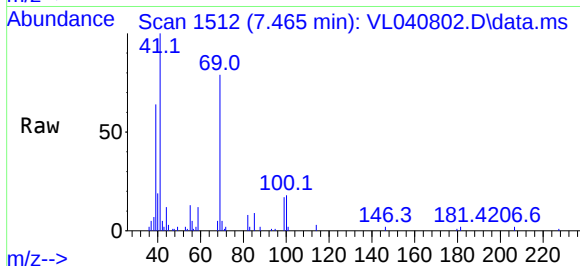




#43
Methyl Methacrylate
Concen: 0.142 ppbv
RT: 7.465 min Scan# 11112
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

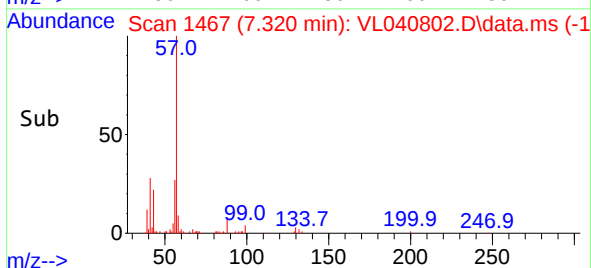
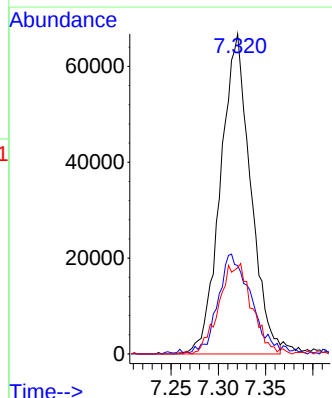
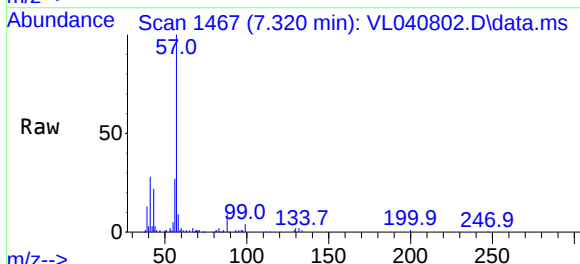
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL

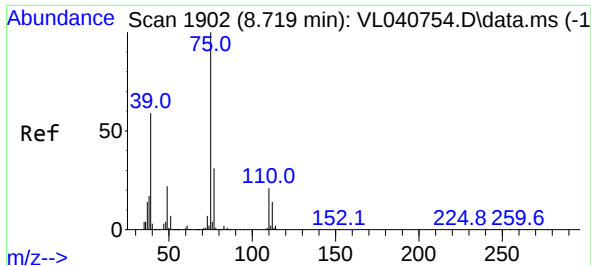
Tgt Ion: 69 Resp: 11112
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0#
100 0.0 27.1 40.7#



#44
2,2,4-Trimethylpentane
Concen: 0.446 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 57 Resp: 147268
Ion Ratio Lower Upper
57 100
41 35.4 27.4 41.0
56 31.4 25.0 37.6

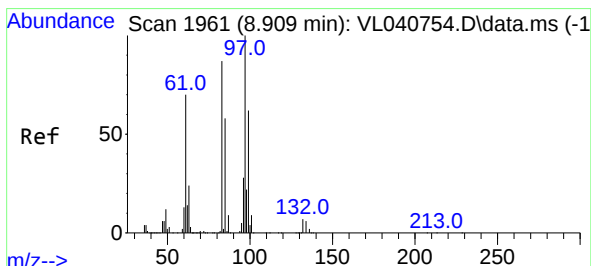
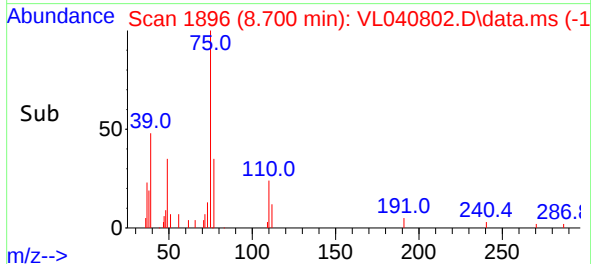
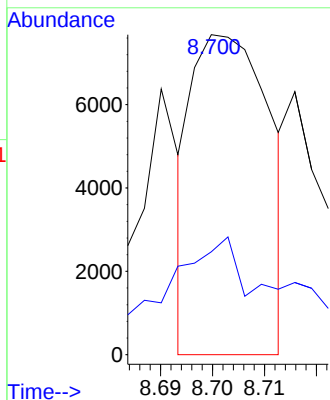
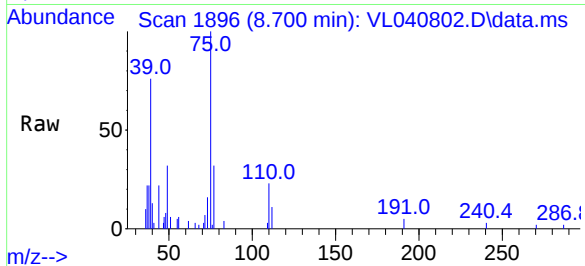




#45
t-1,3-Dichloropropene
Concen: 0.128 ppbv
RT: 8.700 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

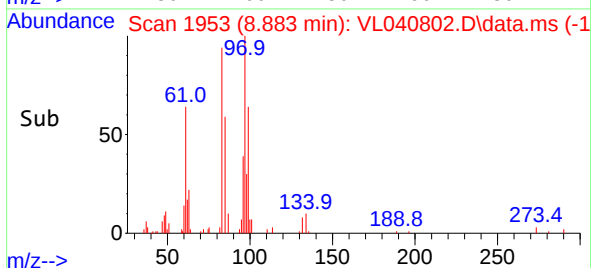
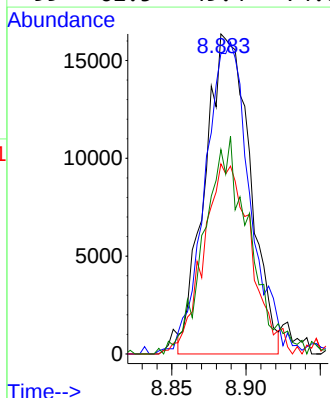
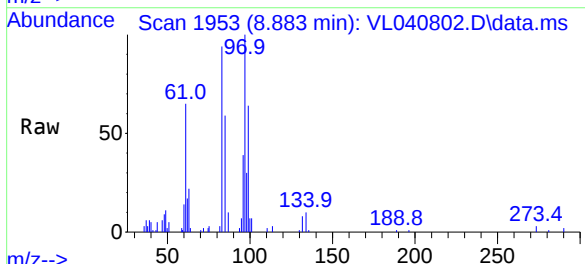
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

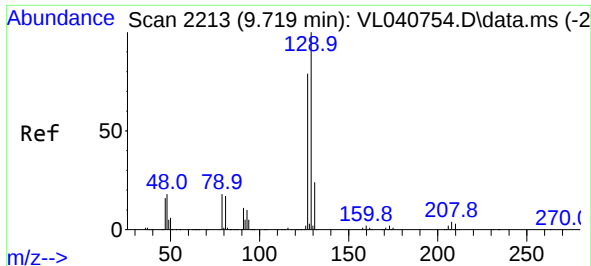
Tgt Ion: 75 Resp: 7945
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3



#47
1,1,2-Trichloroethane
Concen: 0.431 ppbv
RT: 8.883 min Scan# 1953
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 97 Resp: 34543
Ion Ratio Lower Upper
97 100
83 93.8 69.5 104.3
85 60.0 46.6 69.8
99 62.5 49.4 74.0

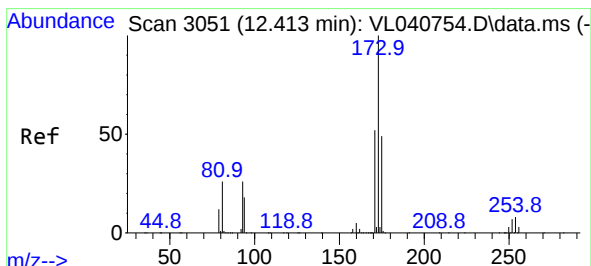
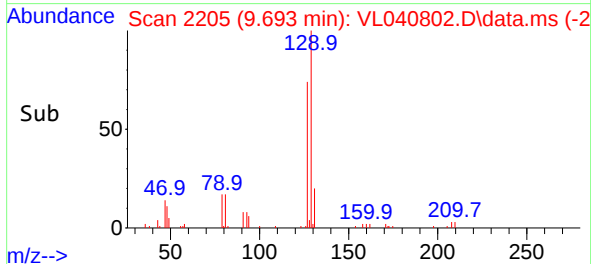
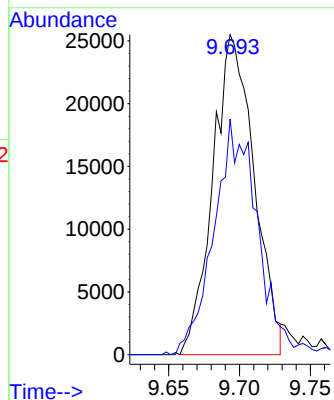
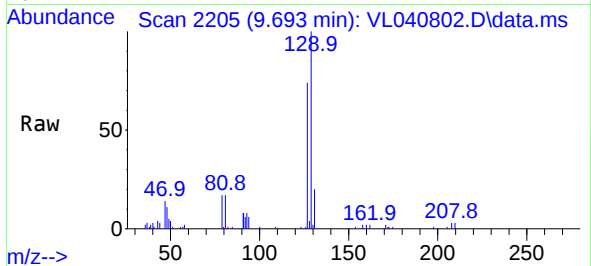




#48
Dibromochloromethane
Concen: 0.385 ppbv
RT: 9.693 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

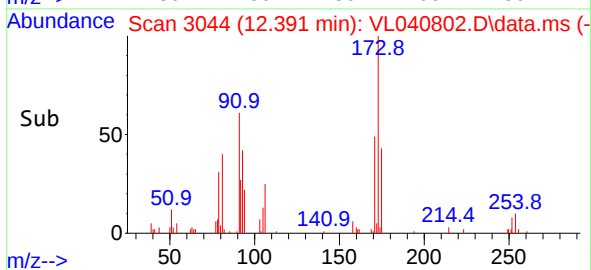
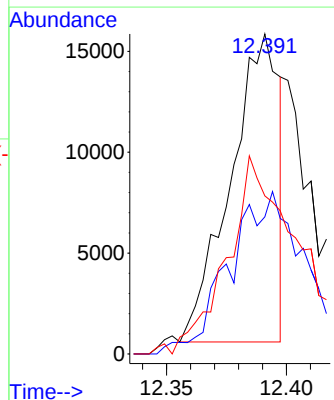
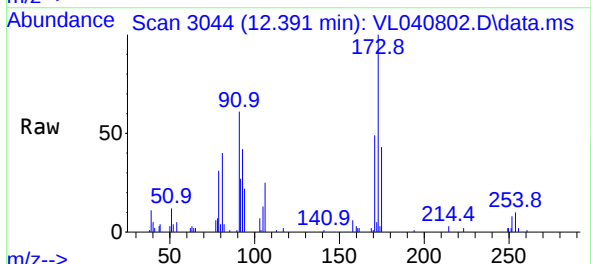
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

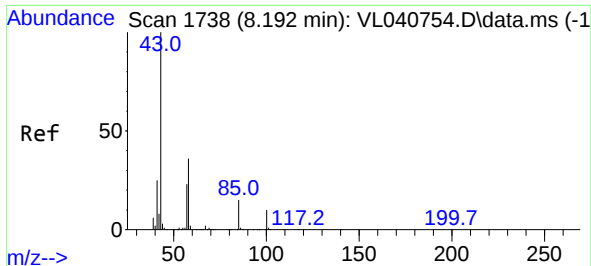
Tgt Ion:129 Resp: 51731
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3



#49
Bromoform
Concen: 0.197 ppbv
RT: 12.391 min Scan# 3044
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:173 Resp: 21512
Ion Ratio Lower Upper
173 100
175 84.1 39.2 58.8#
171 97.4 42.0 63.0#





#50

4-Methyl-2-Pentanone

Concen: 0.379 ppbv

RT: 8.198 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

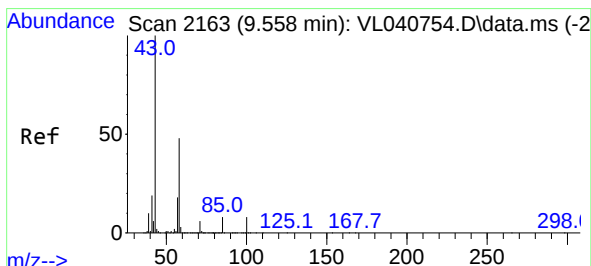
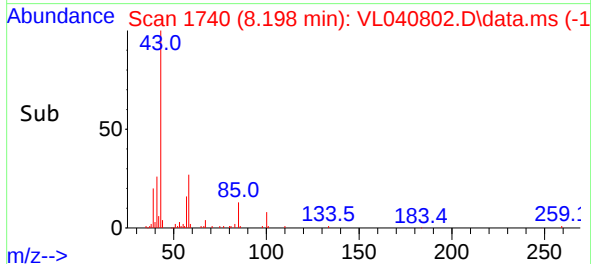
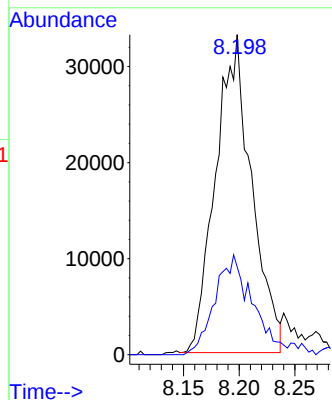
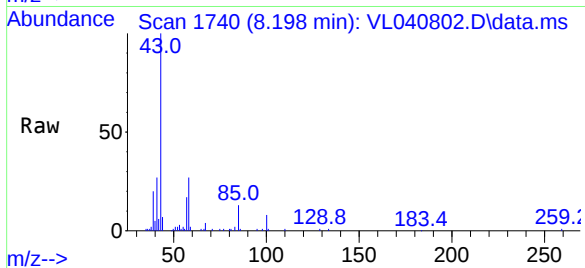
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 74411

Ion Ratio Lower Upper

43 100

58 33.9 28.8 43.2



#51

2-Hexanone

Concen: 0.207 ppbv

RT: 9.565 min Scan# 2165

Delta R.T. 0.007 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

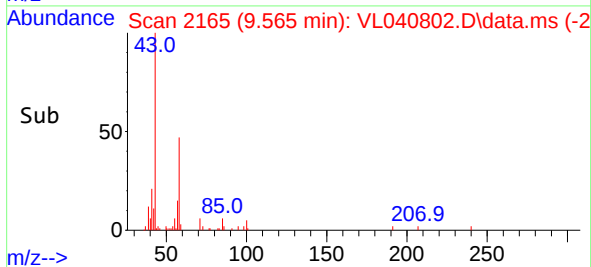
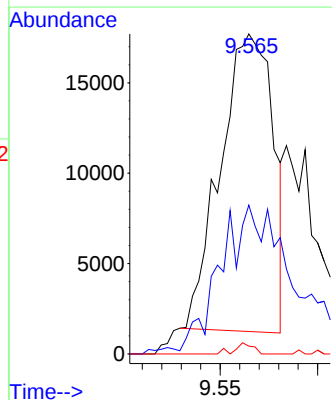
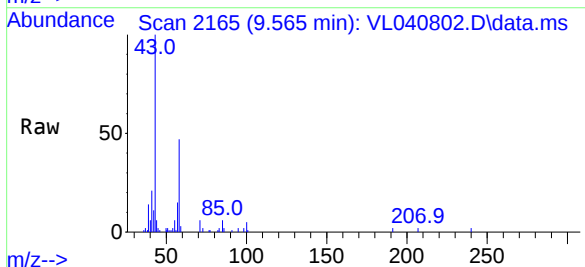
Tgt Ion: 43 Resp: 30889

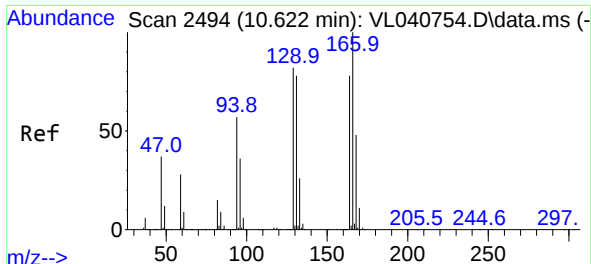
Ion Ratio Lower Upper

43 100

58 74.9 38.6 58.0#

98 1.3 0.0 0.0#

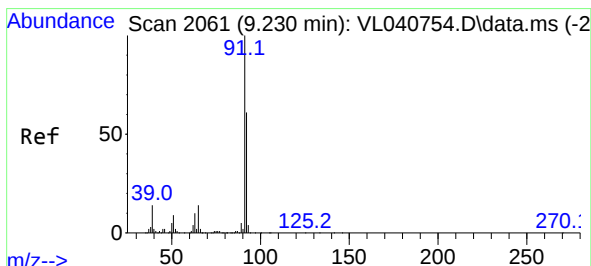
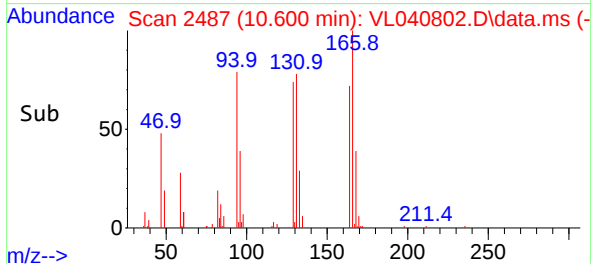
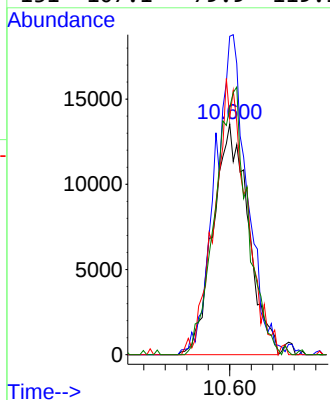
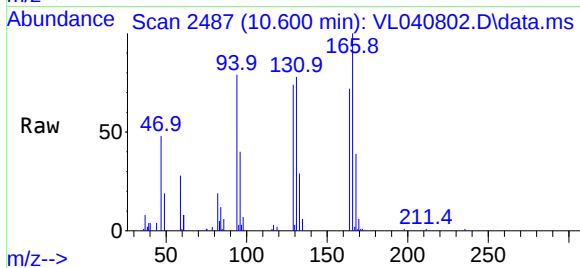




#52
Tetrachloroethene
Concen: 0.388 ppbv
RT: 10.600 min Scan# 2494
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

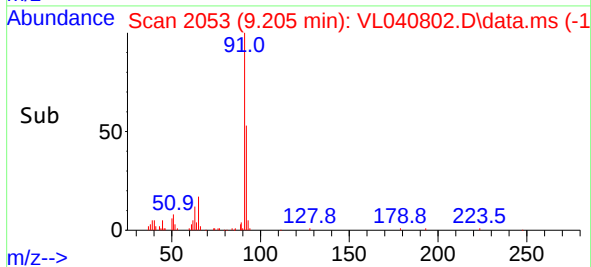
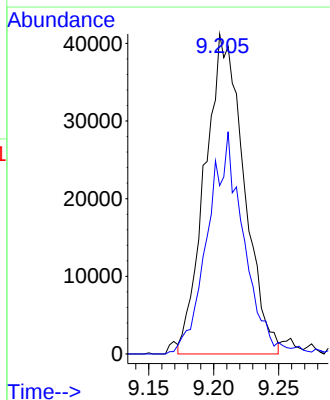
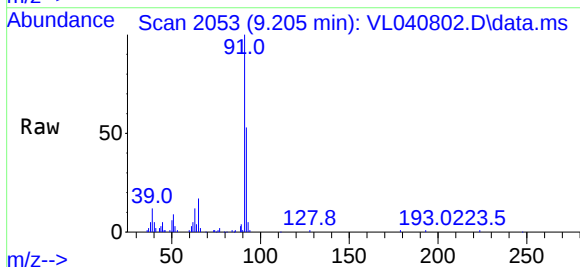
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

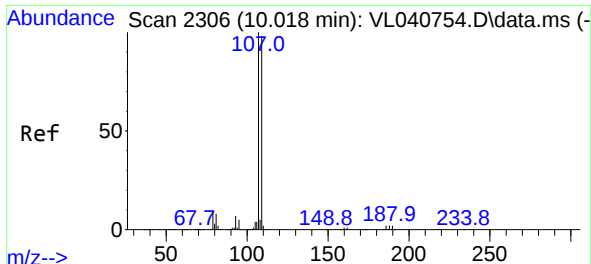
Tgt Ion:164 Resp: 30740
Ion Ratio Lower Upper
164 100
166 138.0 102.4 153.6
129 102.4 84.2 126.4
131 107.1 79.9 119.9



#53
Toluene
Concen: 0.371 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 91 Resp: 86148
Ion Ratio Lower Upper
91 100
92 64.4 50.2 75.2





#54

1,2-Dibromoethane

Concen: 0.421 ppbv

RT: 9.996 min Scan# 21

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

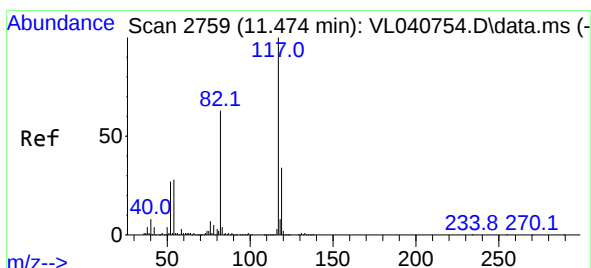
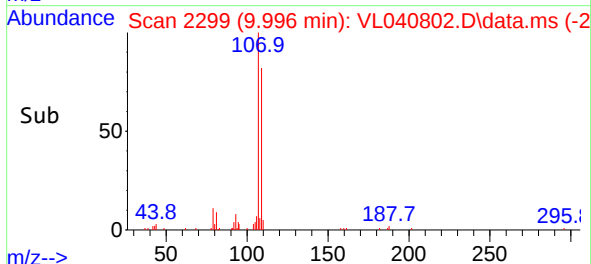
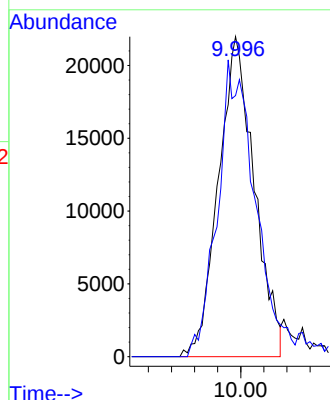
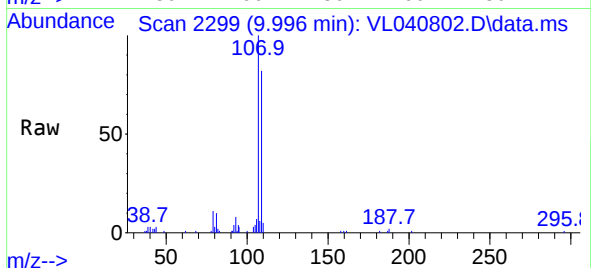
MDL-AIR-03-QT4-2023DL

Tgt Ion:107 Resp: 47292

Ion Ratio Lower Upper

107 100

109 81.6 78.2 117.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

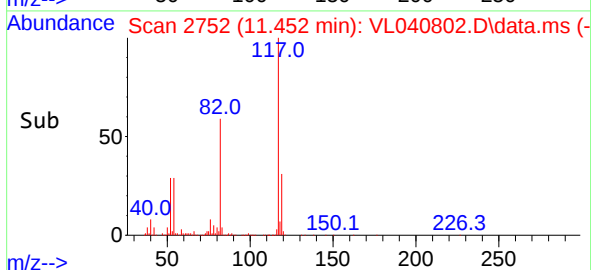
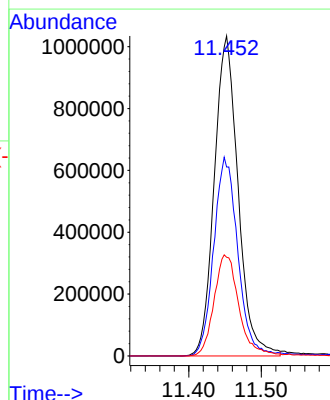
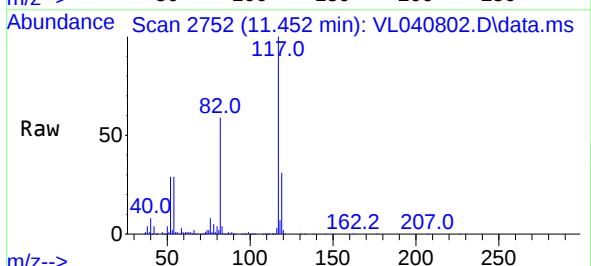
Tgt Ion:117 Resp: 2358666

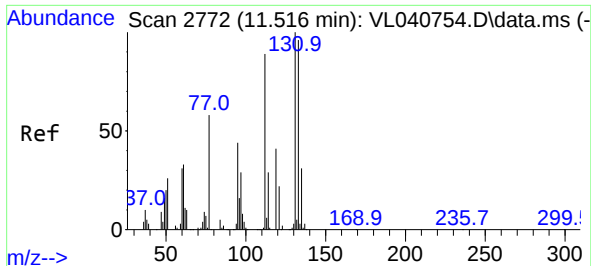
Ion Ratio Lower Upper

117 100

82 63.5 46.6 70.0

119 33.7 26.0 39.0

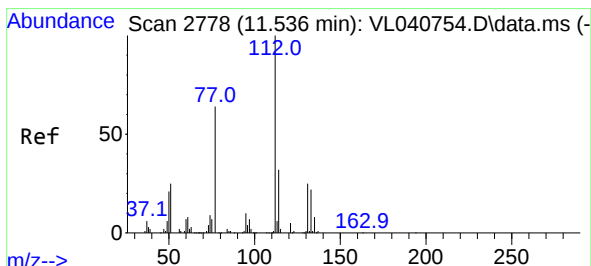
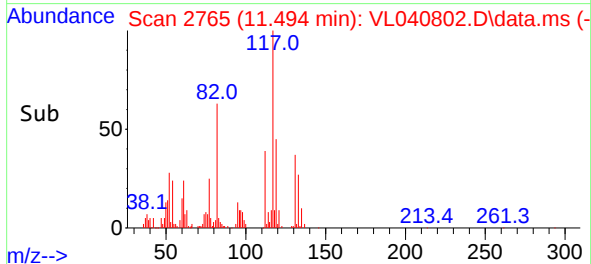
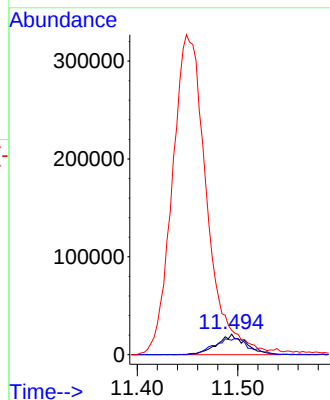
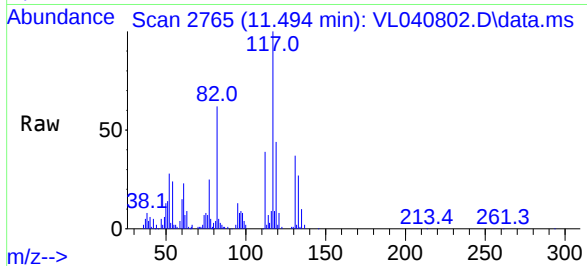




#56
1,1,1,2-Tetrachloroethane
Concen: 0.432 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

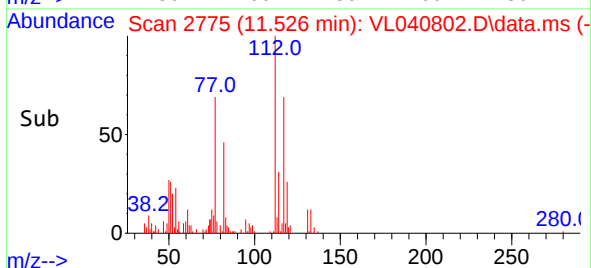
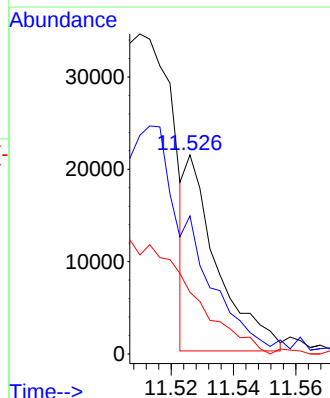
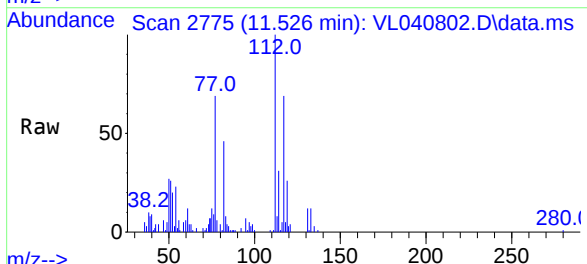
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

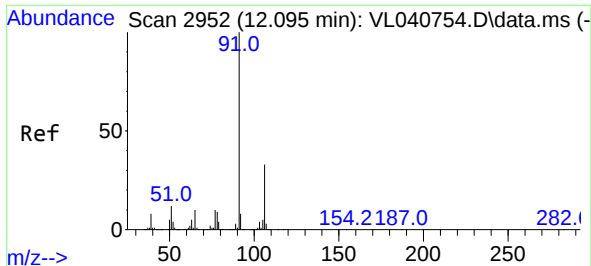
Tgt Ion:131 Resp: 41614
Ion Ratio Lower Upper
131 100
133 96.6 75.0 112.6
119 1911.3 45.4 68.0#



#57
Chlorobenzene
Concen: 0.089 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. -0.009 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:112 Resp: 15012
Ion Ratio Lower Upper
112 100
77 66.0 51.9 77.9
114 30.1 28.6 35.0





#58

Ethyl Benzene

Concen: 0.097 ppbv

RT: 12.356 min Scan# 3033

Delta R.T. 0.261 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

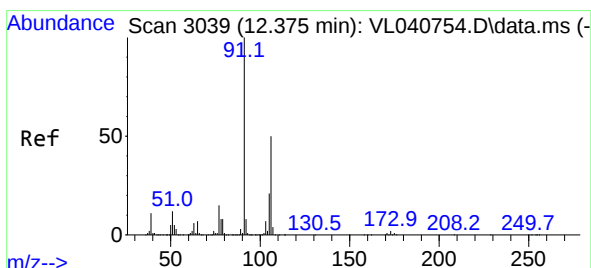
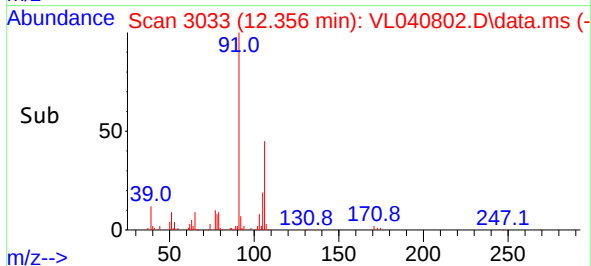
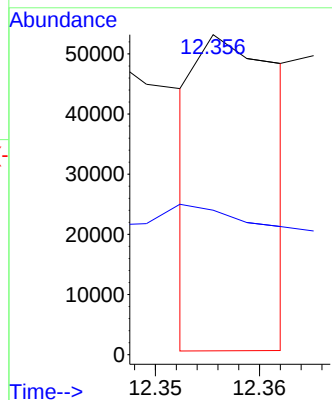
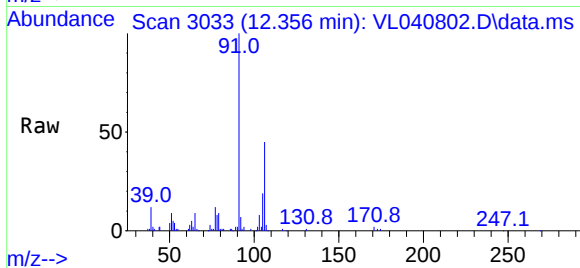
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 28685

Ion Ratio Lower Upper

91 100

106 30.3 26.7 40.1



#59

m/p-Xylene

Concen: 0.117 ppbv

RT: 12.356 min Scan# 3033

Delta R.T. -0.019 min

Lab File: VL040802.D

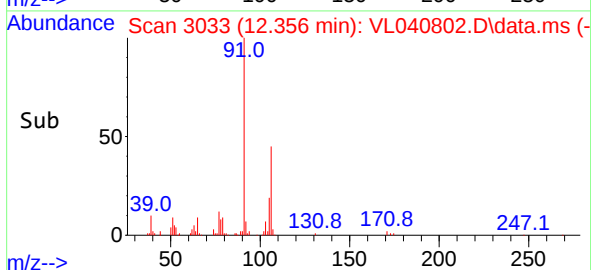
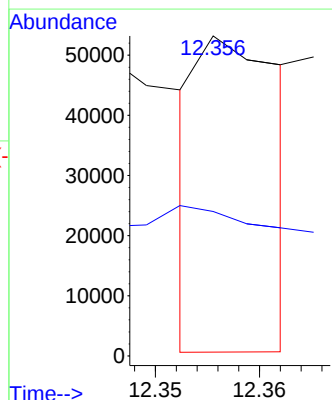
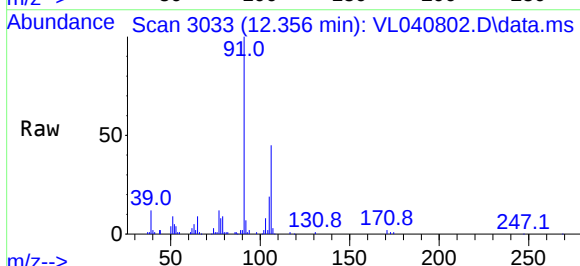
Acq: 25 Oct 2023 16:15

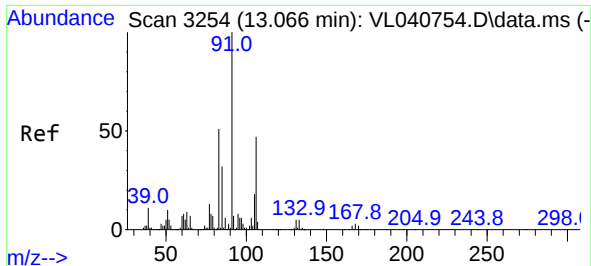
Tgt Ion: 91 Resp: 28685

Ion Ratio Lower Upper

91 100

106 313.0 37.7 56.5#

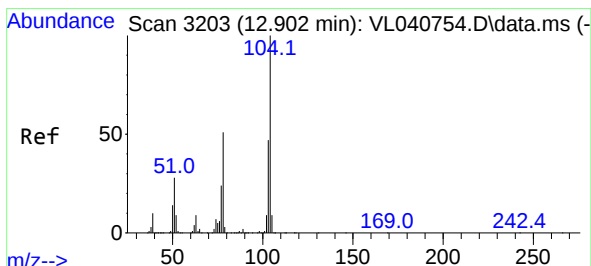
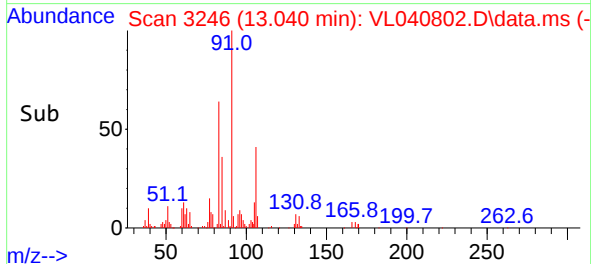
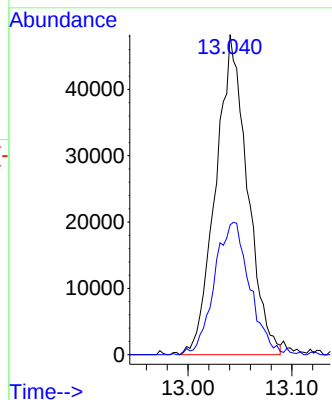
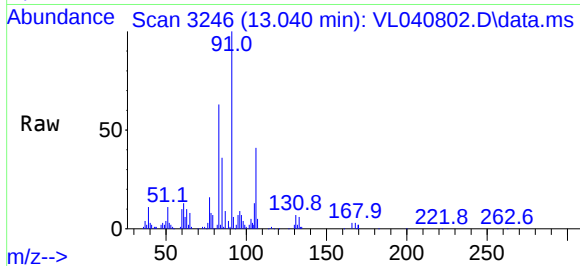




#60
o-Xylene
Concen: 0.439 ppbv
RT: 13.040 min Scan# 3197
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

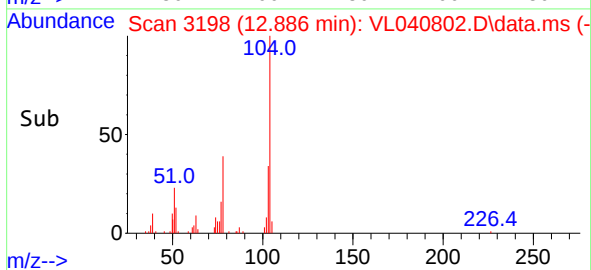
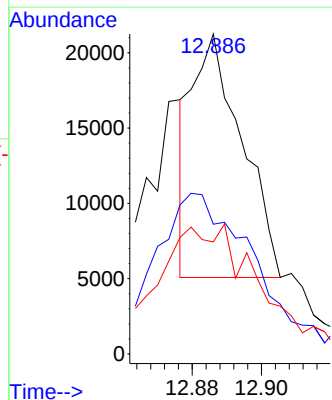
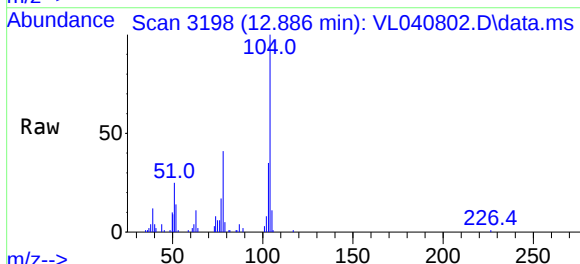
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

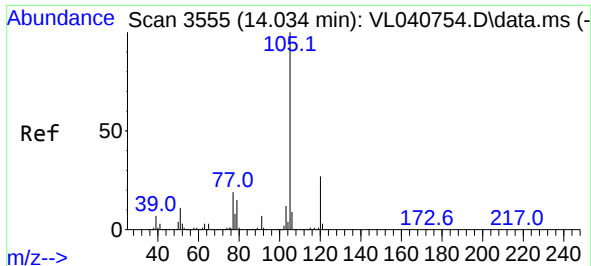
Tgt Ion: 91 Resp: 102313
Ion Ratio Lower Upper
91 100
106 46.3 23.5 70.5



#61
Styrene
Concen: 0.125 ppbv
RT: 12.886 min Scan# 3198
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 104 Resp: 16090
Ion Ratio Lower Upper
104 100
78 144.9 39.8 59.6#
103 117.4 37.5 56.3#

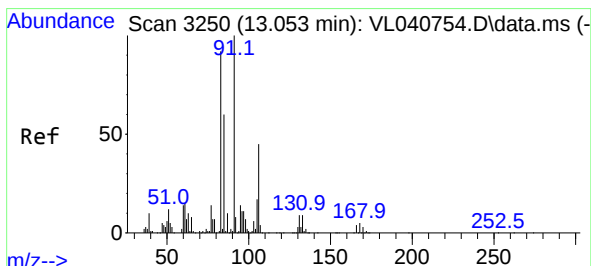
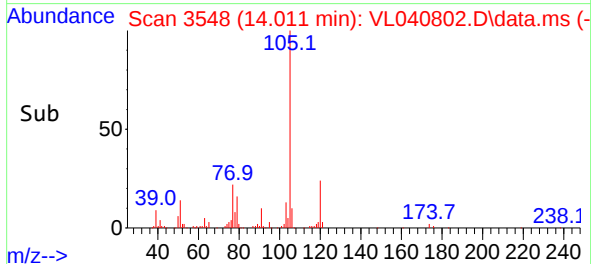
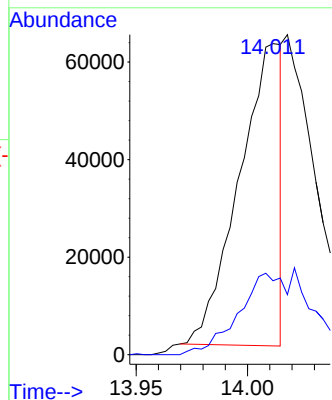
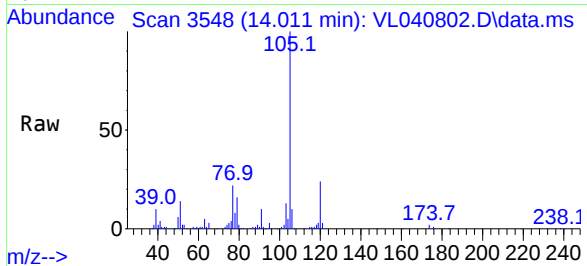




#62
Isopropylbenzene
Concen: 0.229 ppbv
RT: 14.011 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

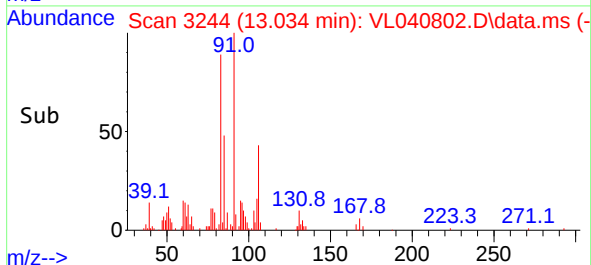
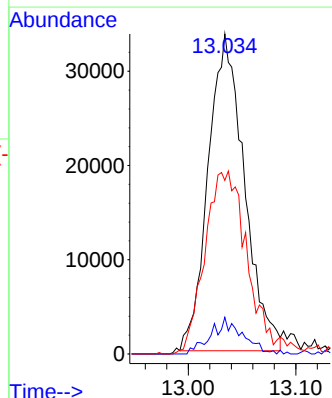
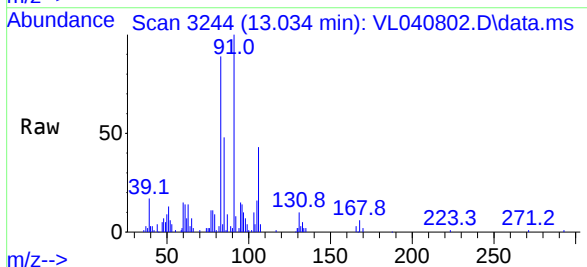
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

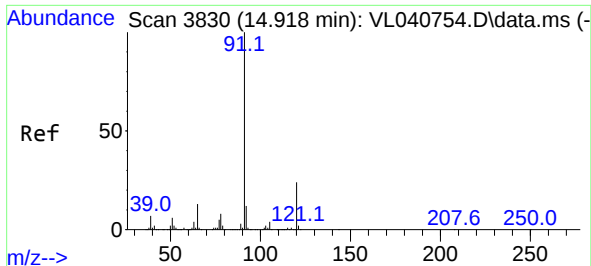
Tgt Ion:105 Resp: 82055
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.450 ppbv
RT: 13.034 min Scan# 3244
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 83 Resp: 78513
Ion Ratio Lower Upper
83 100
131 10.0 4.9 14.6
85 69.2 32.9 98.7

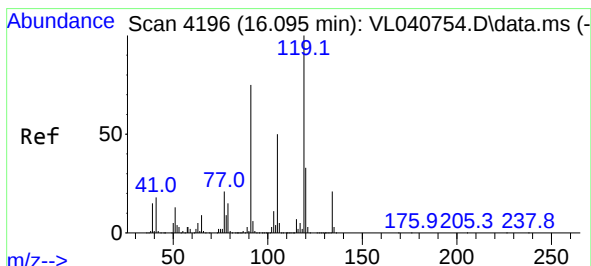
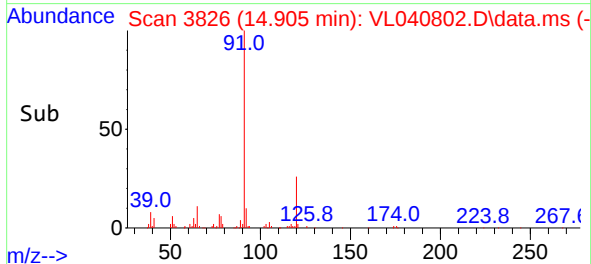
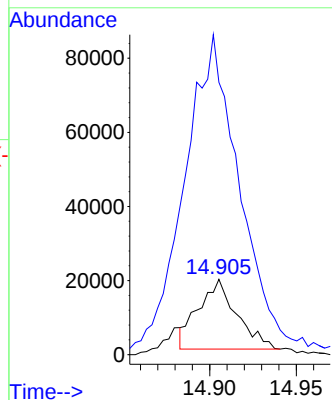
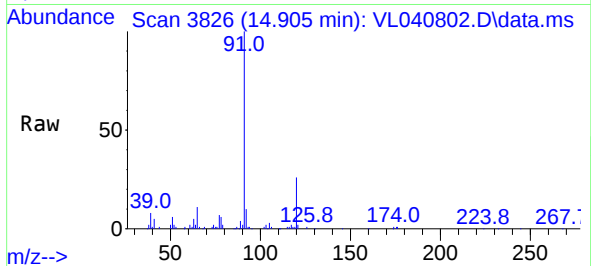




#64
n-propylbenzene
Concen: 0.300 ppbv
RT: 14.905 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

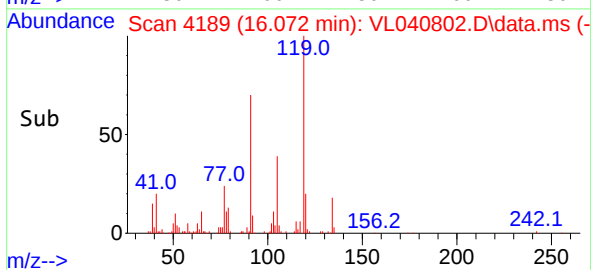
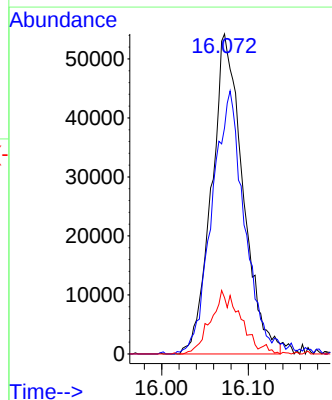
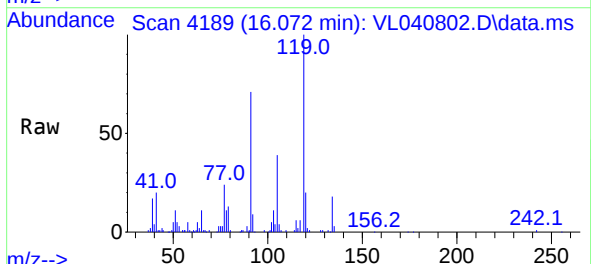
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

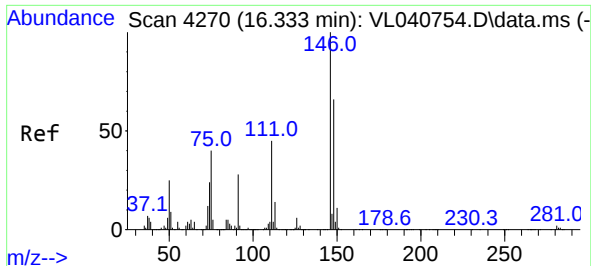
Tgt Ion:120 Resp: 28853
Ion Ratio Lower Upper
120 100
91 696.0 345.9 518.9#



#65
tert-Butylbenzene
Concen: 0.421 ppbv
RT: 16.072 min Scan# 4189
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:119 Resp: 136020
Ion Ratio Lower Upper
119 100
91 86.6 62.2 93.2
134 19.5 16.1 24.1

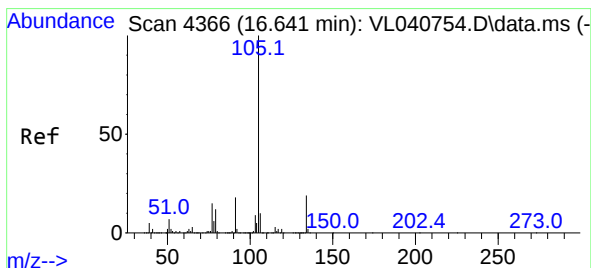
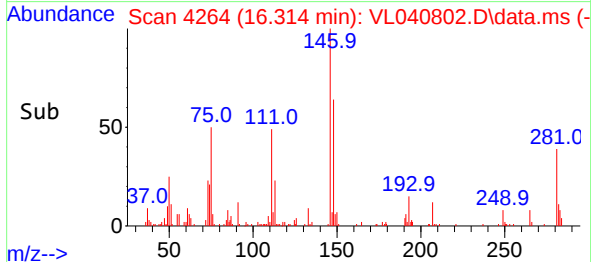
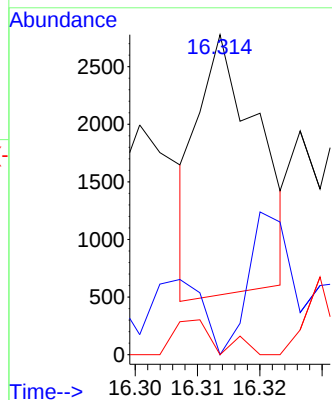
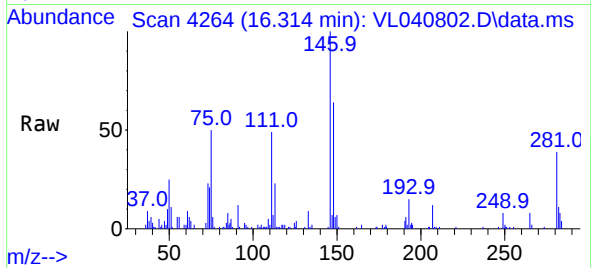




#66
Benzyl Chloride
Concen: 0.046 ppbv
RT: 16.314 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

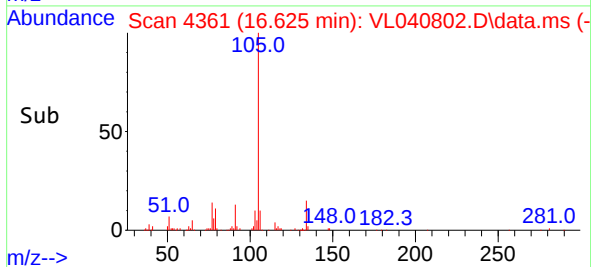
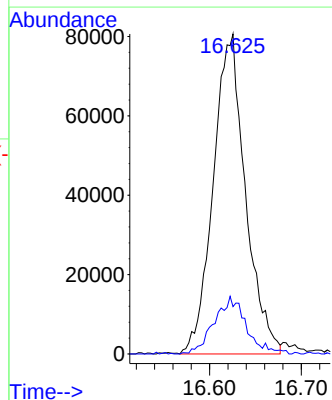
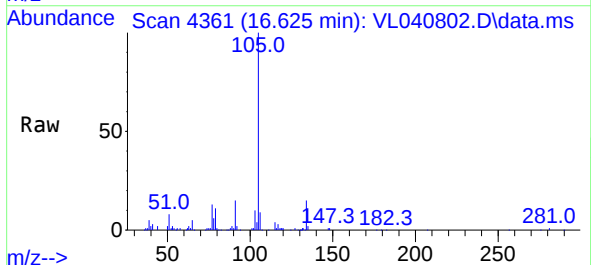
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

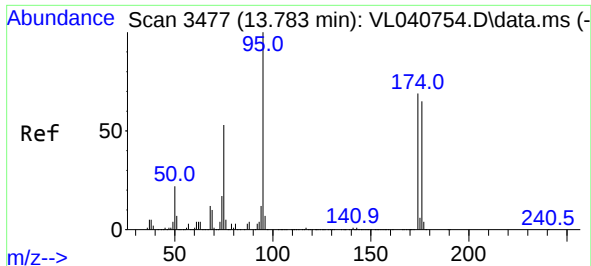
Tgt Ion: 91 Resp: 1497
Ion Ratio Lower Upper
91 100
126 174.1 16.1 24.1#
128 0.0 5.2 7.8#



#67
sec-Butylbenzene
Concen: 0.445 ppbv
RT: 16.625 min Scan# 4361
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 105 Resp: 196855
Ion Ratio Lower Upper
105 100
134 17.9 15.4 23.2

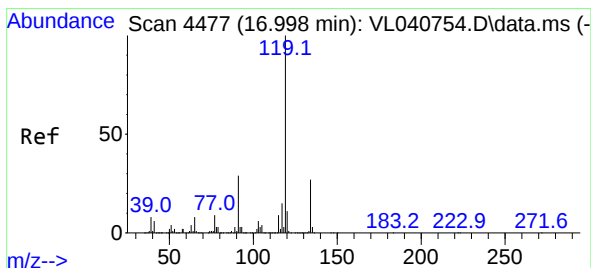
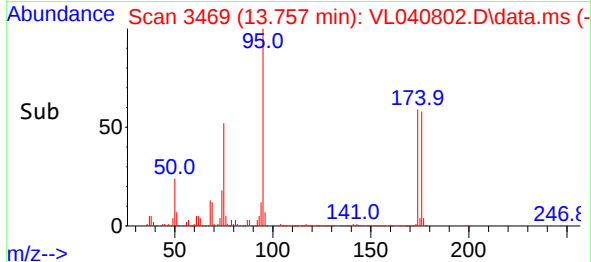
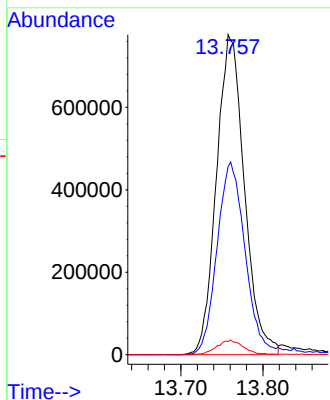
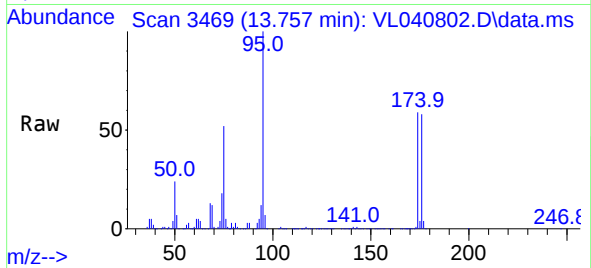




#68
1-Bromo-4-Fluorobenzene
Concen: 10.586 ppbv
RT: 13.757 min Scan# 3477
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

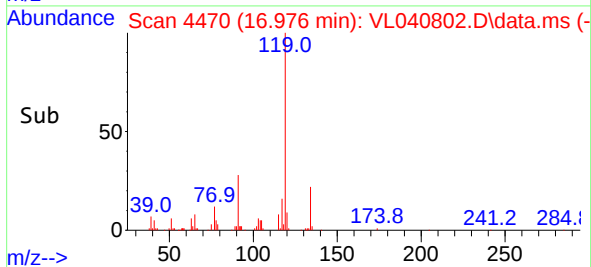
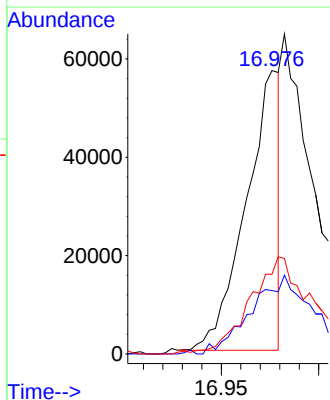
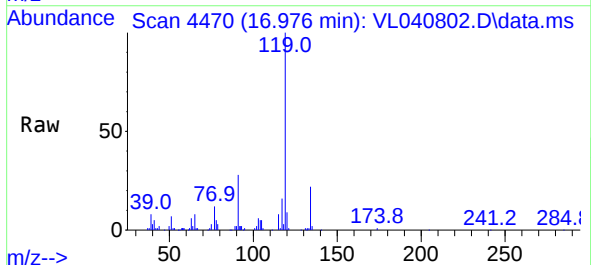
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

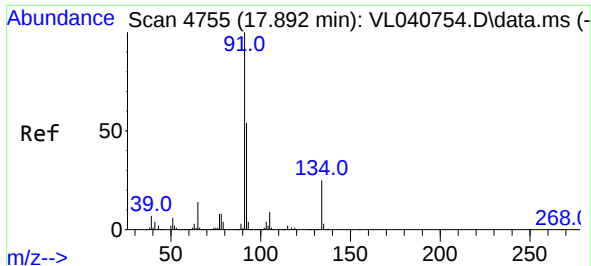
Tgt Ion: 95 Resp: 1837292
Ion Ratio Lower Upper
95 100
174 63.3 54.7 82.1
175 4.5 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.184 ppbv
RT: 16.976 min Scan# 4470
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 119 Resp: 68266
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 0.0 22.8 34.2#

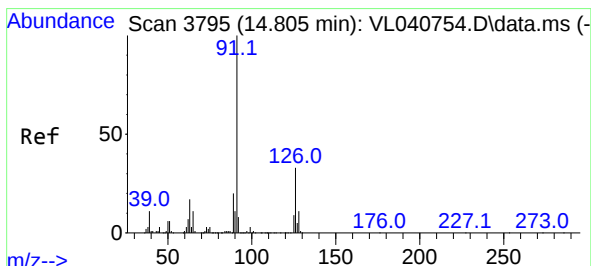
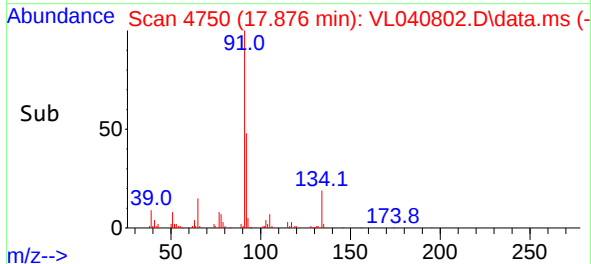
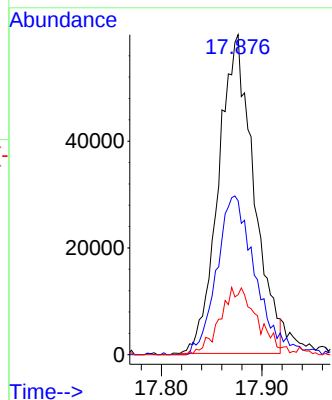
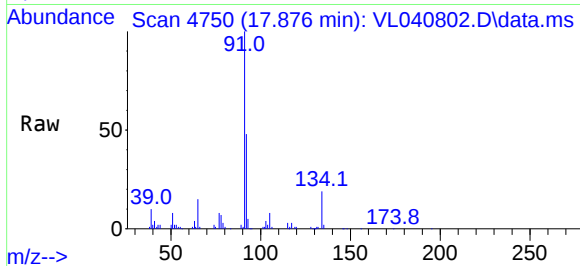




#70
n-Butylbenzene
Concen: 0.400 ppbv
RT: 17.876 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

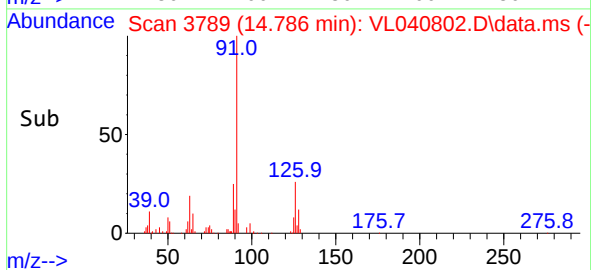
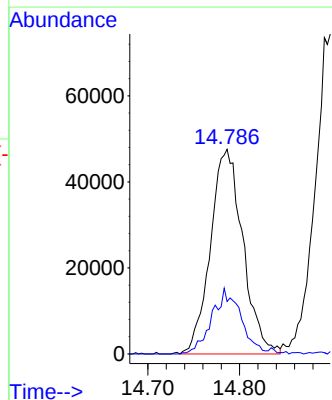
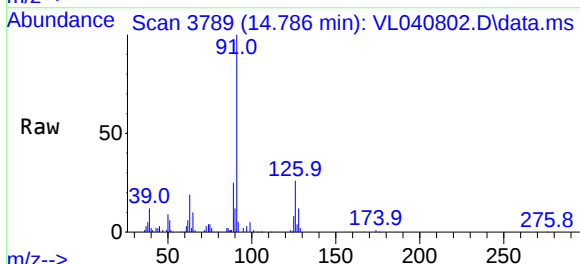
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

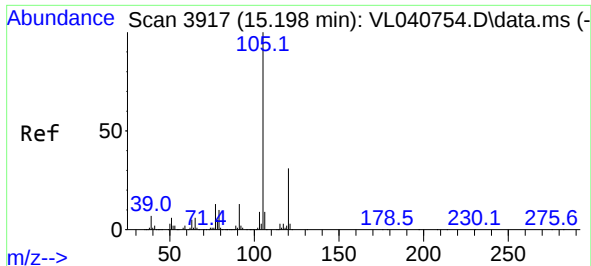
Tgt Ion: 91 Resp: 145682
Ion Ratio Lower Upper
91 100
92 55.1 44.1 66.1
134 22.4 19.5 29.3



#71
2-Chlorotoluene
Concen: 0.435 ppbv
RT: 14.786 min Scan# 3789
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 91 Resp: 116986
Ion Ratio Lower Upper
91 100
126 29.3 13.3 53.1

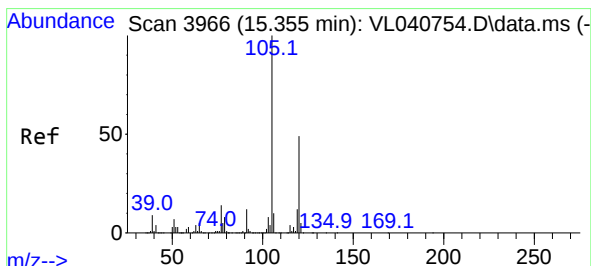
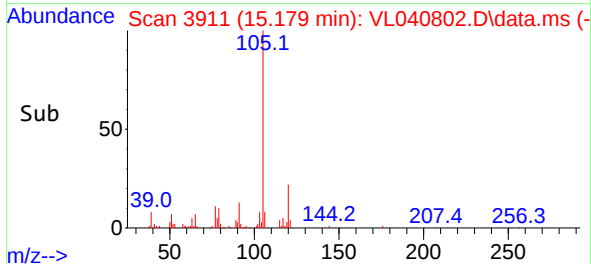
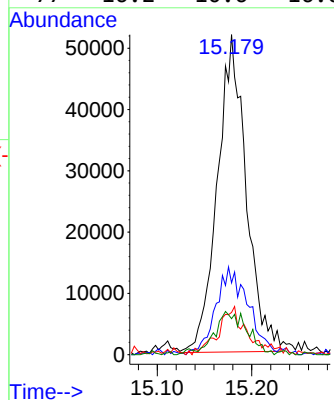
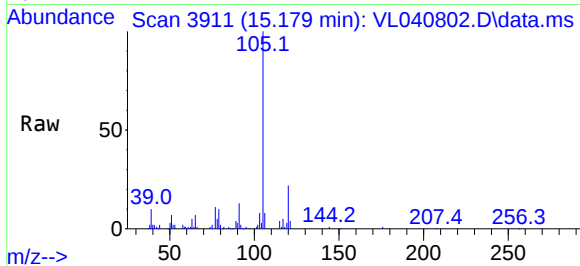




#72
4-Ethyltoluene
Concen: 0.402 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

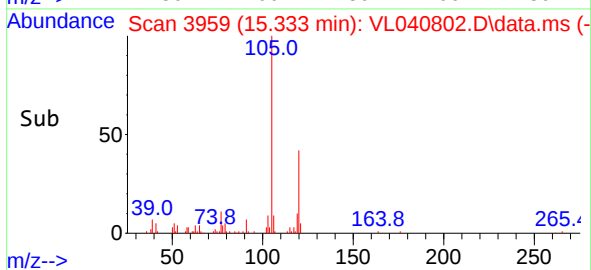
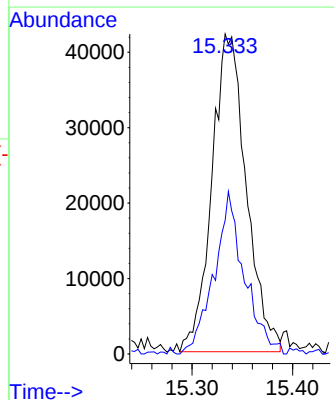
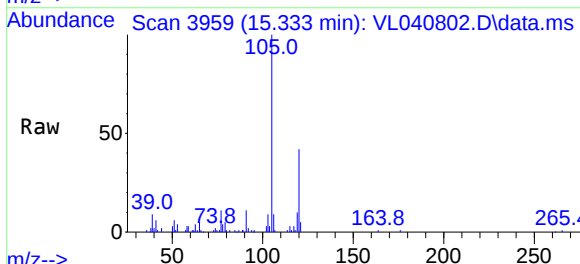
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

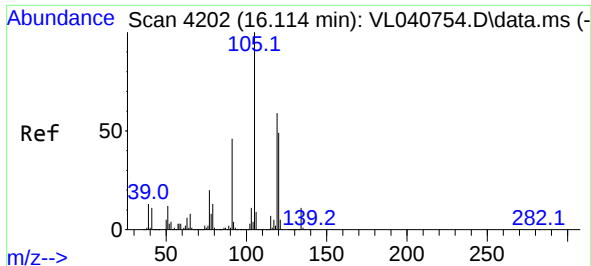
Tgt Ion:105 Resp: 109686
Ion Ratio Lower Upper
105 100
120 31.8 25.0 37.4
91 17.1 9.8 14.8#
77 16.2 10.6 16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.417 ppbv
RT: 15.333 min Scan# 3959
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:105 Resp: 100208
Ion Ratio Lower Upper
105 100
120 47.4 39.4 59.2

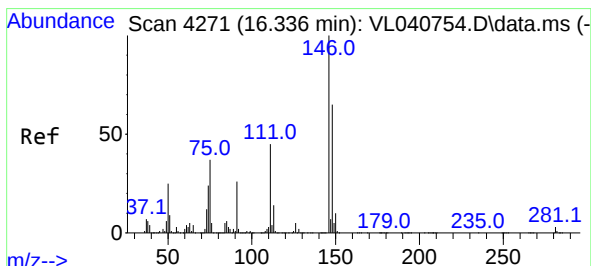
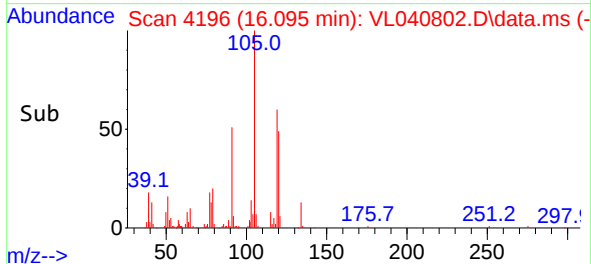
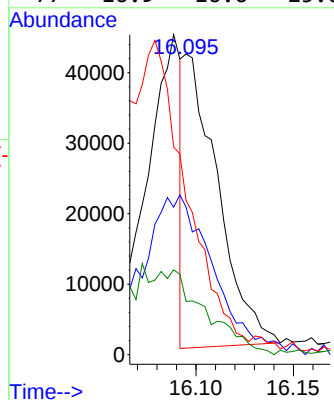
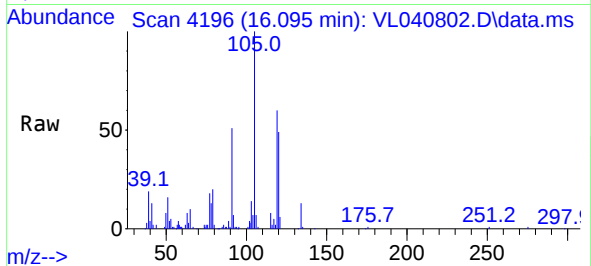




#74
1,2,4-Trimethylbenzene
Concen: 0.192 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

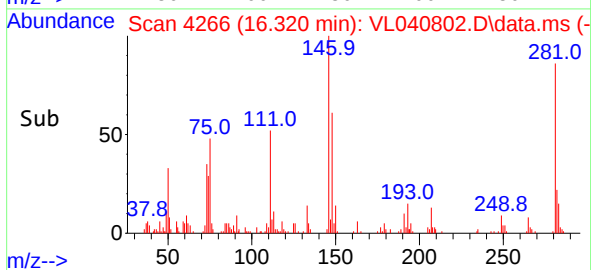
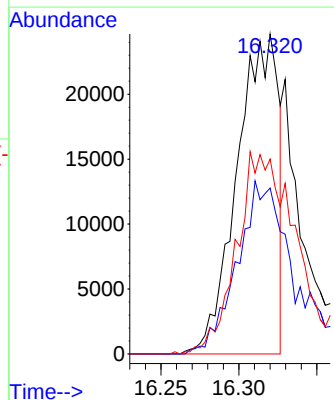
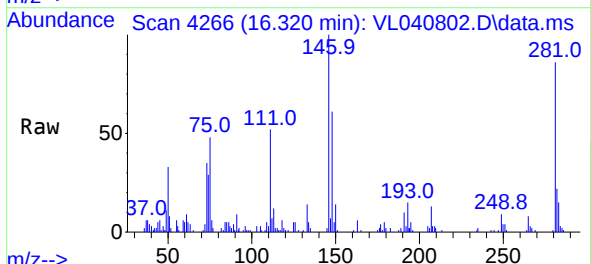
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

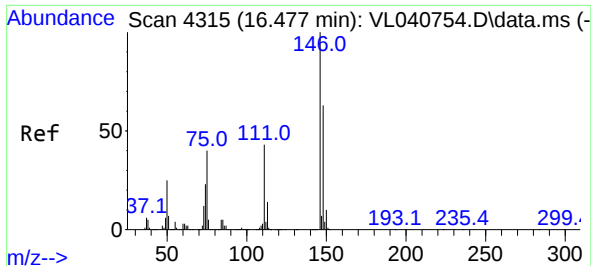
Tgt Ion:	105	Resp:	50365
Ion Ratio	Lower	Upper	
105	100		
120	53.6	39.4	59.2
91	51.4	38.6	58.0
77	16.9	16.6	25.0



#75
1,3-Dichlorobenzene
Concen: 0.278 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:	146	Resp:	45359
Ion Ratio	Lower	Upper	
146	100		
111	78.1	22.6	67.7#
148	95.3	32.4	97.0

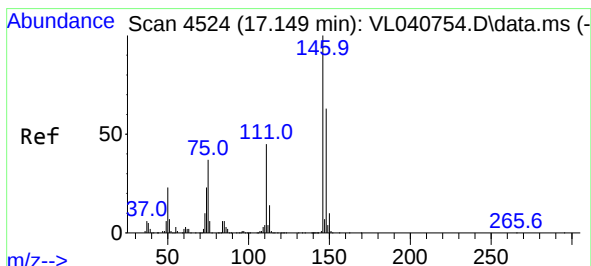
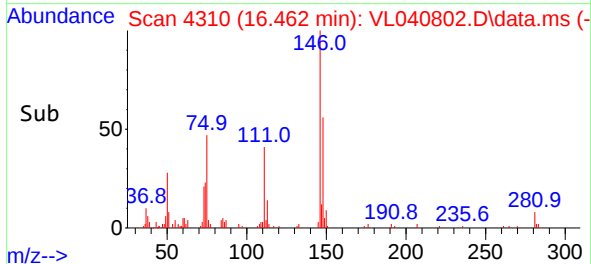
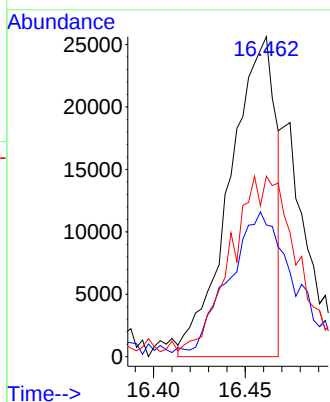
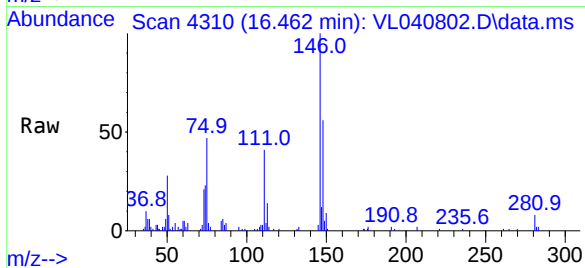




#76
1,4-Dichlorobenzene
Concen: 0.275 ppbv
RT: 16.462 min Scan# 411
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

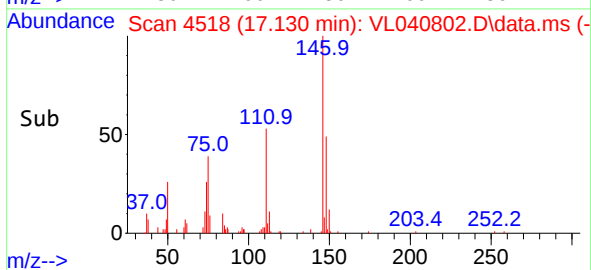
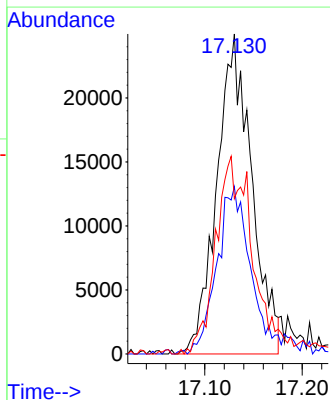
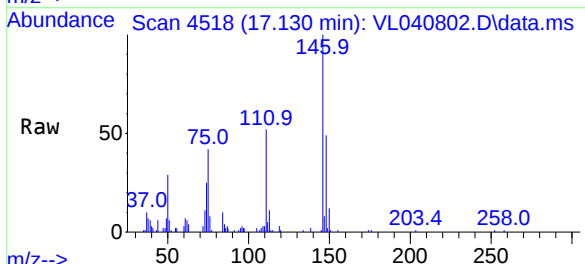
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

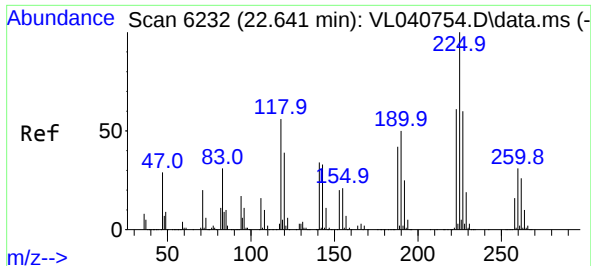
Tgt Ion:146 Resp: 44405
Ion Ratio Lower Upper
146 100
111 70.7 22.0 66.0#
148 92.9 33.4 100.1



#77
1,2-Dichlorobenzene
Concen: 0.387 ppbv
RT: 17.130 min Scan# 4518
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:146 Resp: 61946
Ion Ratio Lower Upper
146 100
111 54.5 22.9 68.8
148 67.9 32.3 96.8

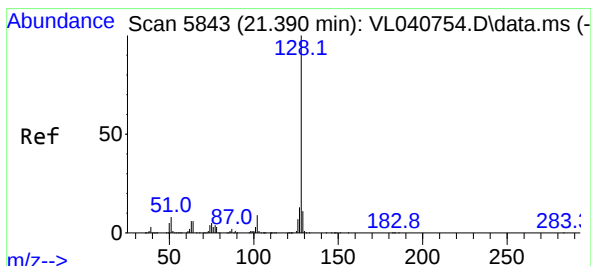
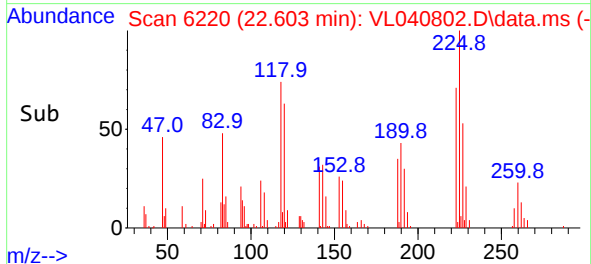
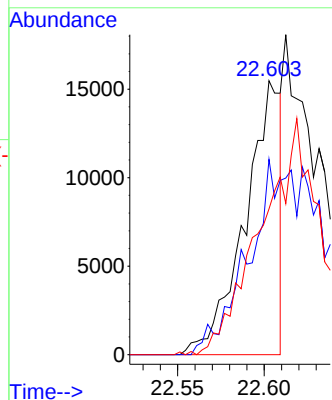
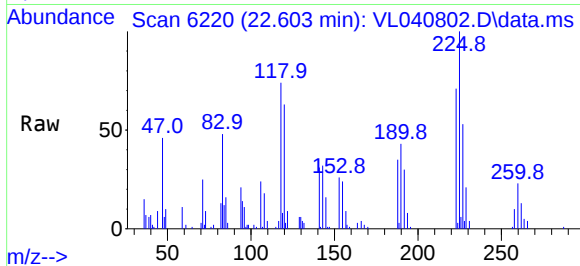




#78
Hexachloro-1,3-Butadiene
Concen: 0.193 ppbv
RT: 22.603 min Scan# 61
Delta R.T. -0.038 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

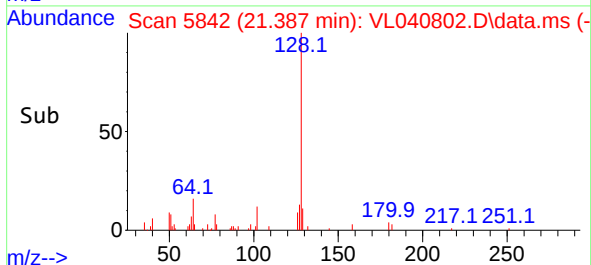
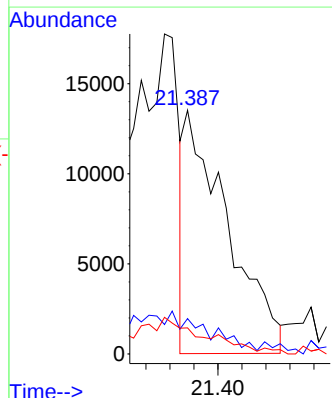
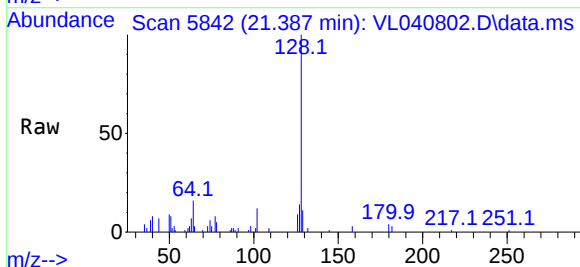
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

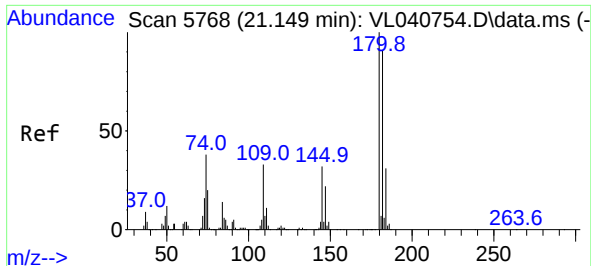
Tgt Ion:225 Resp: 22143
Ion Ratio Lower Upper
225 100
223 149.3 50.7 76.1#
227 0.0 51.4 77.0#



#79
Naphthalene
Concen: 0.079 ppbv
RT: 21.387 min Scan# 5842
Delta R.T. -0.003 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:128 Resp: 16769
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 10.1 9.0 13.4





#81

1,2,4-Trichlorobenzene

Concen: 0.094 ppbv

RT: 21.117 min Scan# 51

Delta R.T. -0.032 min

Lab File: VL040802.D

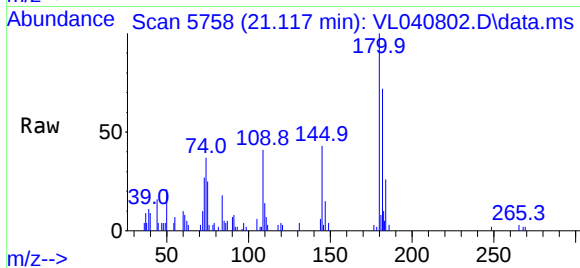
Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:180 Resp: 10871

Ion Ratio Lower Upper

180 100

182 0.0 77.9 116.9#

184 0.0 25.0 37.6#

