

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039596.D
 Acq On : 26 Aug 2022 9:42
 Operator : SY/AP
 Sample : N3980-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 26 23:54:29 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	965536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2632875	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2345621	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1739319	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	84342	0.656	ppbv	97
3) Chlorodifluoromethane	2.697	51	56686	0.493	ppbv	97
4) Chloromethane	2.838	50	33886	0.489	ppbv #	85
5) Vinyl Chloride	2.944	62	14566	0.260	ppbv #	75
6) Bromomethane	3.144	94	8804	0.371	ppbv	84
7) Chloroethane	3.218	64	7077	0.338	ppbv	97
8) Dichlorotetrafluoroethane	2.880	85	68563	0.499	ppbv	99
9) Propene	2.716	41	14247	0.271	ppbv #	37
10) Heptane	7.590	43	30497	0.250	ppbv #	58
11) Trichlorofluoromethane	3.584	101	66515	0.472	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	48100	0.461	ppbv	98
13) Ethanol	3.272	45	1271	0.336	ppbv #	23
14) Bromoethene	3.388	108	19935	0.468	ppbv	98
15) Acetone	3.504	43	54512	0.504	ppbv	93
16) 1,3-Butadiene	3.005	39	22006	0.390	ppbv	87
17) tert-Butyl alcohol	3.915	59	25265	0.274	ppbv #	78
18) 1,1-Dichloroethene	3.899	96	11150	0.237	ppbv	85
19) Isopropyl Alcohol	3.616	45	17530	0.333	ppbv #	73
20) Methylene Chloride	3.957	84	28902	0.658	ppbv #	90
21) Allyl Chloride	4.018	41	25927	0.369	ppbv #	69
22) trans-1,2-Dichloroethene	4.462	96	9189	0.197	ppbv #	89
23) Vinyl Acetate	4.636	43	4924	0.096	ppbv #	87
24) 1,1-Dichloroethane	4.578	63	21346	0.224	ppbv	99
25) Ethyl Acetate	5.234	43	46244	0.200	ppbv #	65
26) Hexane	5.230	57	41076	0.435	ppbv	90
27) Carbon Disulfide	4.144	76	32162	0.319	ppbv #	84
28) Methyl tert-Butyl Ether	4.616	73	16474	0.202	ppbv #	50
29) Chloroform	5.285	83	65143	0.441	ppbv	90
30) Cyclohexane	6.616	84	21163	0.271	ppbv #	67
31) cis-1,2-Dichloroethene	5.095	61	35547	0.389	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	53073	0.408	ppbv	92
34) 2-Butanone	4.822	43	50548	0.386	ppbv #	89
35) Carbon Tetrachloride	6.504	117	55795	0.392	ppbv	97
36) Benzene	6.381	78	49860	0.248	ppbv #	94
37) 1,2-Dichloroethane	5.819	62	25116	0.227	ppbv #	81
38) Trichloroethene	7.301	130	42773	0.398	ppbv #	90
39) 1,2-Dichloropropane	7.076	63	13876	0.184	ppbv	91
41) Tetrahydrofuran	5.600	42	17820	0.228	ppbv #	70
42) Bromodichloromethane	7.262	83	54378	0.359	ppbv	97
43) Methyl Methacrylate	7.481	69	5698	0.079	ppbv #	1
44) 2,2,4-Trimethylpentane	7.340	57	129337	0.382	ppbv #	90
45) t-1,3-Dichloropropene	8.719	75	2963	0.047	ppbv	91
46) cis-1,3-Dichloropropene	8.156	75	4571	0.052	ppbv #	42

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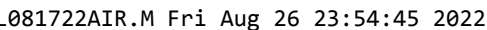
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

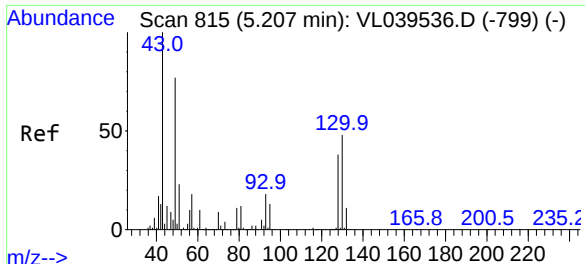
Quant Time: Aug 26 23:54:29 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.905	97	22109	0.257	ppbv #	89
48) Dibromochloromethane	9.716	129	26470	0.208	ppbv #	31
49) Bromoform	12.410	173	29344	0.279	ppbv	88
50) 4-Methyl-2-Pentanone	8.214	43	57369	0.281	ppbv	97
51) 2-Hexanone	9.587	43	22811	0.152	ppbv #	54
52) Tetrachloroethene	10.638	164	6876	0.091	ppbv	91
53) Toluene	9.227	91	57275	0.255	ppbv #	81
54) 1,2-Dibromoethane	10.012	107	20701	0.215	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	30644	0.322	ppbv #	1
57) Chlorobenzene	11.532	112	81063	0.463	ppbv #	96
58) Ethyl Benzene	12.092	91	36119	0.134	ppbv	89
59) m/p-Xylene	12.384	91	78565	0.325	ppbv #	32
60) o-Xylene	13.069	91	78711	0.339	ppbv	96
61) Styrene	12.902	104	18114	0.147	ppbv #	31
62) Isopropylbenzene	14.037	105	102486	0.292	ppbv #	84
63) 1,1,2,2-Tetrachloroethane	13.056	83	46540	0.423	ppbv	91
64) n-propylbenzene	14.931	120	21699	0.238	ppbv #	1
65) tert-Butylbenzene	16.101	119	121446	0.389	ppbv	92
66) Benzyl Chloride	16.342	91	1318	0.052	ppbv #	69
67) sec-Butylbenzene	16.641	105	97640	0.221	ppbv #	59
69) p-Isopropyltoluene	17.008	119	64109	0.175	ppbv #	44
70) n-Butylbenzene	17.895	91	68136	0.187	ppbv #	44
71) 2-Chlorotoluene	14.809	91	92151	0.363	ppbv	99
72) 4-Ethyltoluene	15.204	105	88526	0.326	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.359	105	87485	0.353	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	103876	0.376	ppbv #	93
75) 1,3-Dichlorobenzene	16.339	146	70767	0.421	ppbv	93
76) 1,4-Dichlorobenzene	16.484	146	63676	0.380	ppbv	83
77) 1,2-Dichlorobenzene	17.149	146	43231	0.263	ppbv #	41
78) Hexachloro-1,3-Butadiene	22.641	225	18287	0.140	ppbv #	1
79) Naphthalene	21.390	128	28505	0.145	ppbv #	91
80) Naphthalene,2-methyl-	24.384	142	10212	0.128	ppbv #	77
81) 1,2,4-Trichlorobenzene	21.143	180	18609	0.142	ppbv #	12

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

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QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

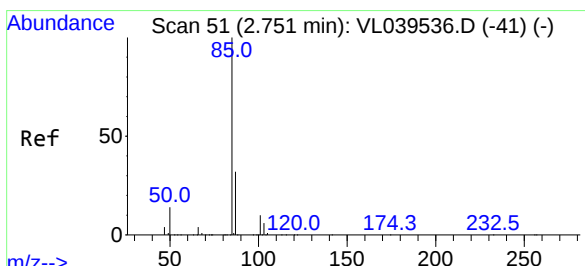
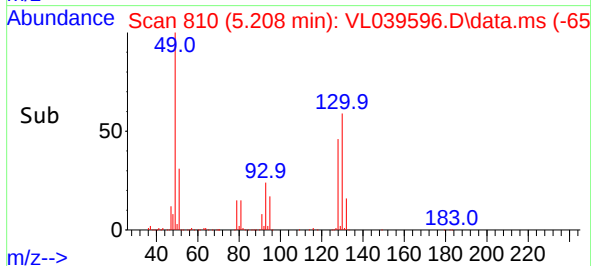
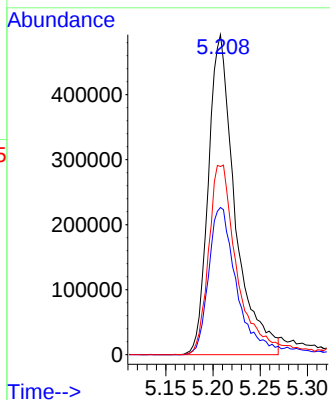
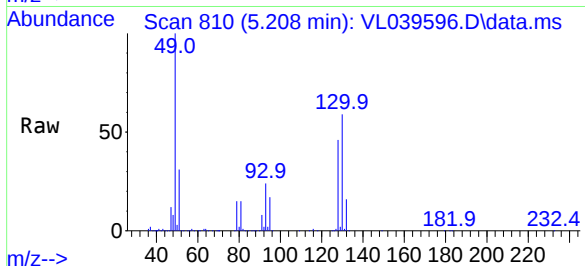




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039596.D
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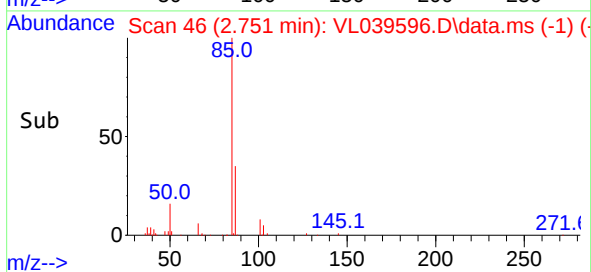
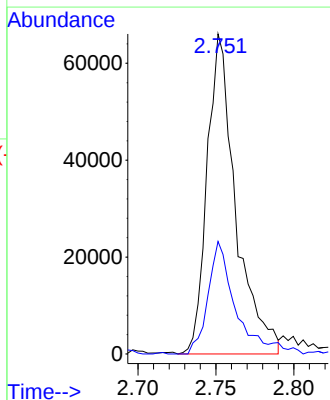
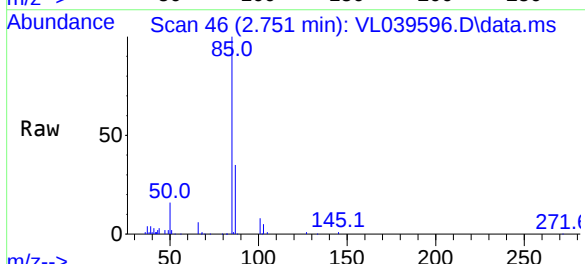
Instrument :
MSVOA_L
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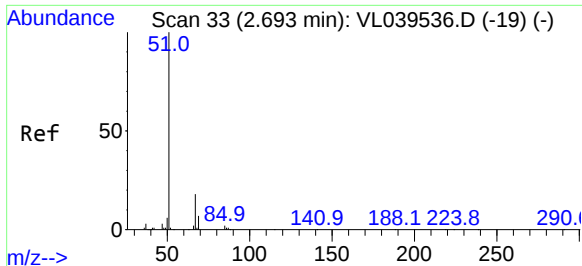
Tgt Ion: 49 Resp: 965536
Ion Ratio Lower Upper
49 100
128 51.9 26.7 80.0
130 67.4 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.656 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 85 Resp: 84342
Ion Ratio Lower Upper
85 100
87 35.1 26.7 40.1

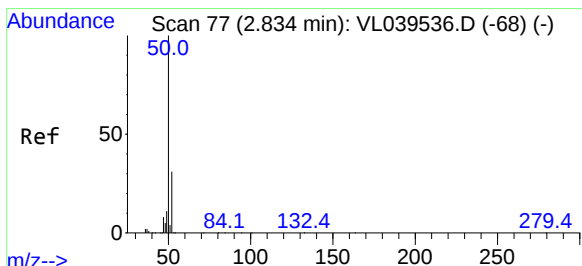
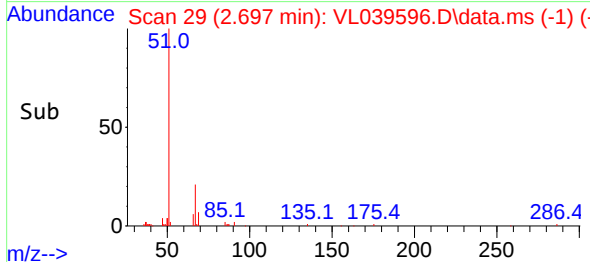
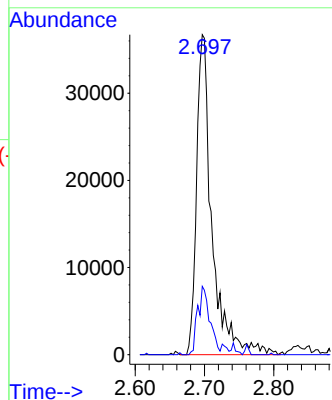
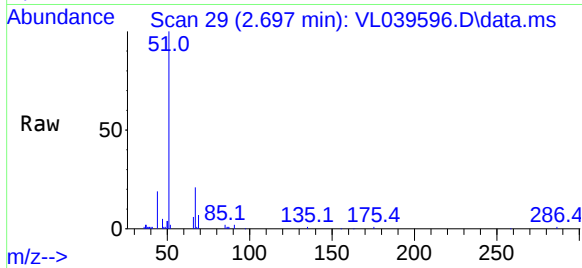




#3
Chlorodifluoromethane
Concen: 0.493 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

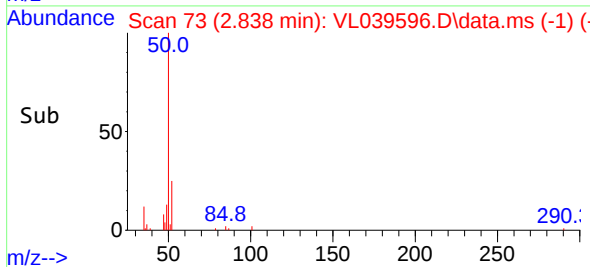
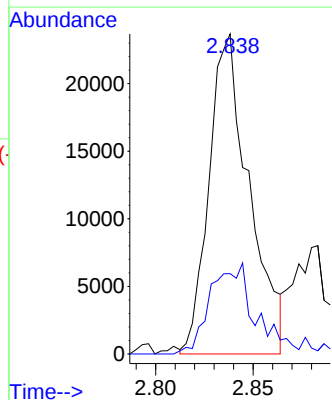
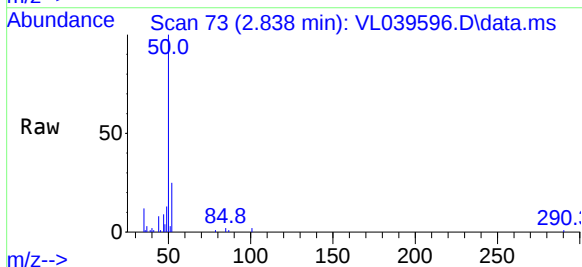
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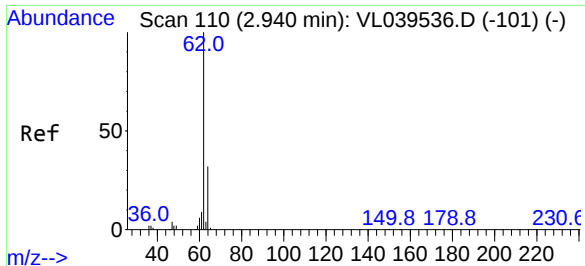
Tgt Ion: 51 Resp: 56686
Ion Ratio Lower Upper
51 100
67 18.1 15.7 23.5



#4
Chloromethane
Concen: 0.489 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 50 Resp: 33886
Ion Ratio Lower Upper
50 100
52 24.5 26.5 39.7#

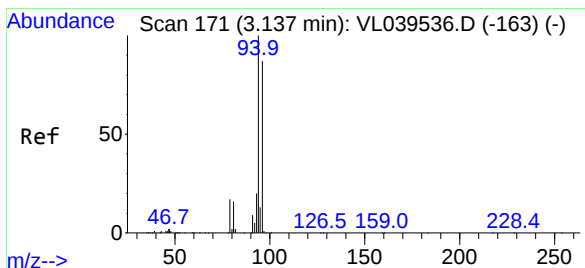
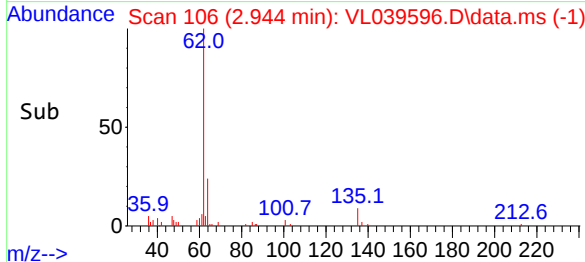
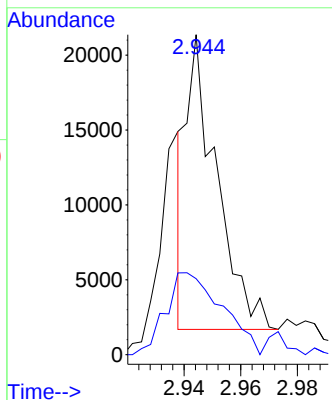
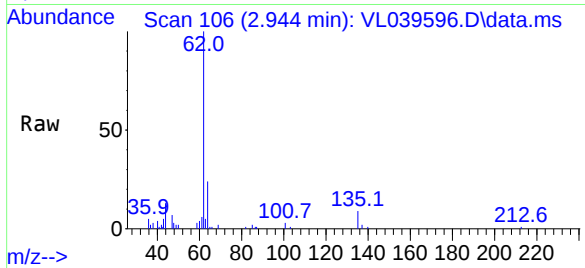




#5
 Vinyl Chloride
 Concen: 0.260 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

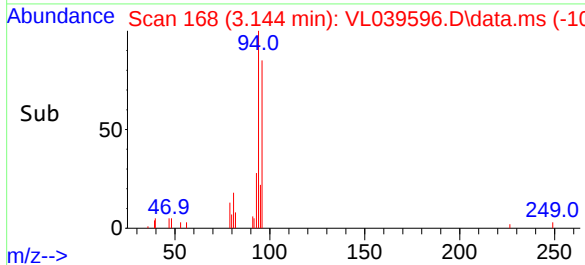
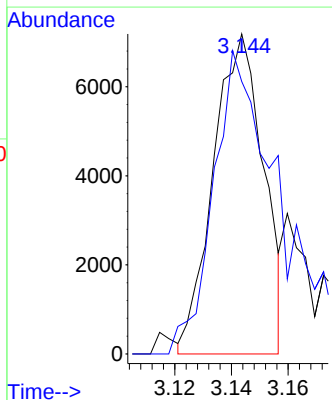
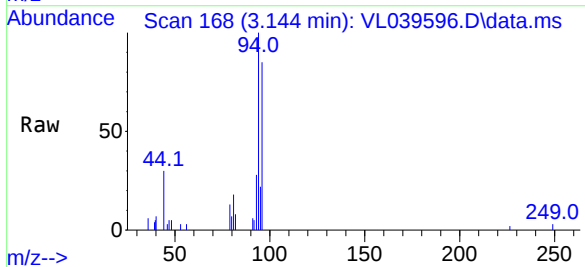
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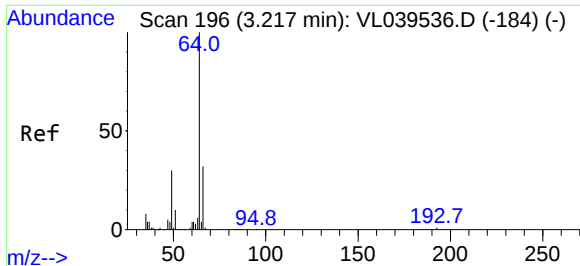
Tgt Ion: 62 Resp: 14566
 Ion Ratio Lower Upper
 62 100
 64 17.1 24.6 36.8#



#6
 Bromomethane
 Concen: 0.371 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 94 Resp: 8804
 Ion Ratio Lower Upper
 94 100
 96 79.1 75.6 113.4

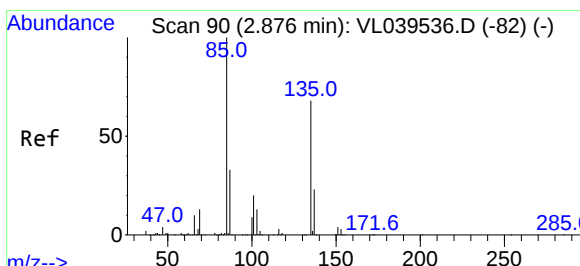
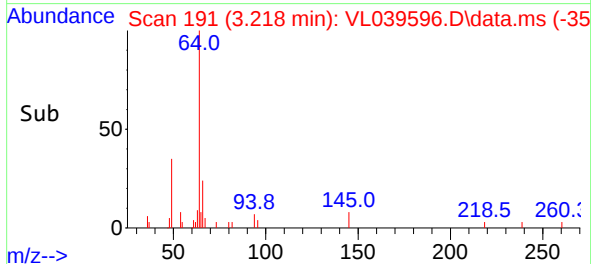
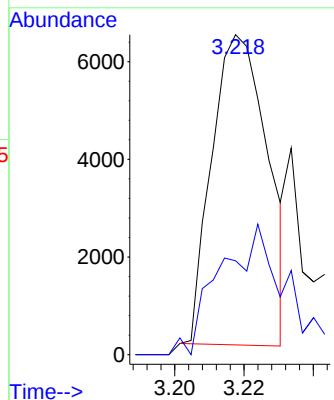
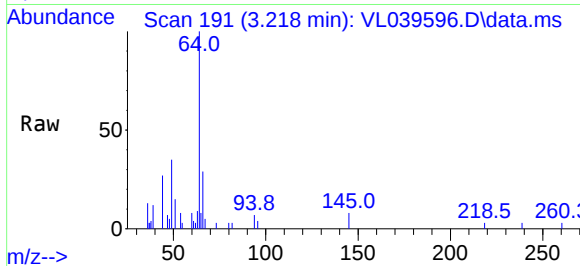




#7
Chloroethane
Concen: 0.338 ppbv
RT: 3.218 min Scan# 196
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

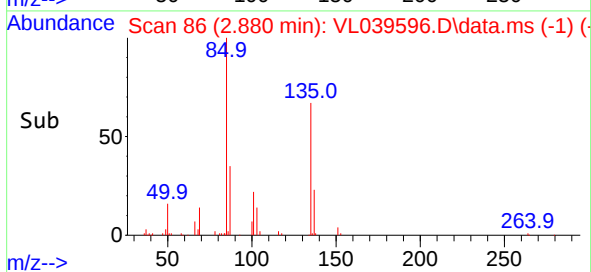
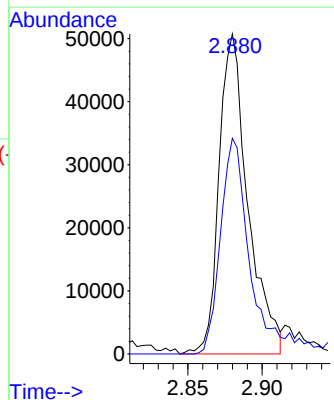
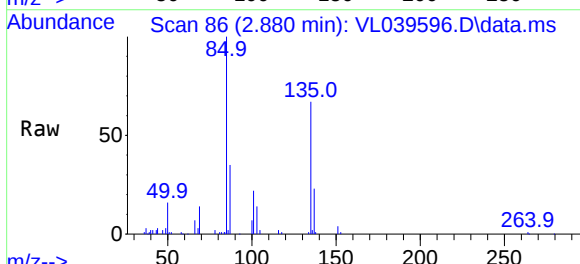
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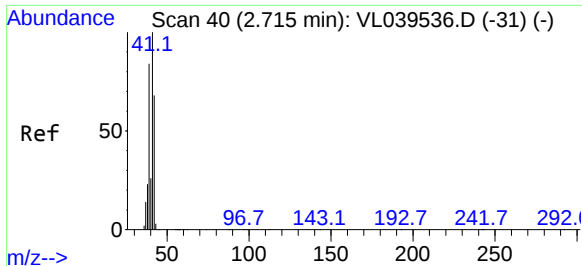
Tgt Ion: 64 Resp: 7077
Ion Ratio Lower Upper
64 100
66 29.4 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 0.499 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 85 Resp: 68563
Ion Ratio Lower Upper
85 100
135 72.9 59.0 88.4

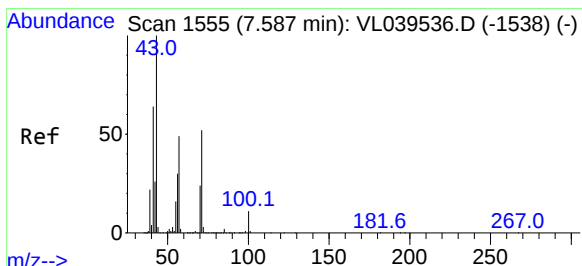
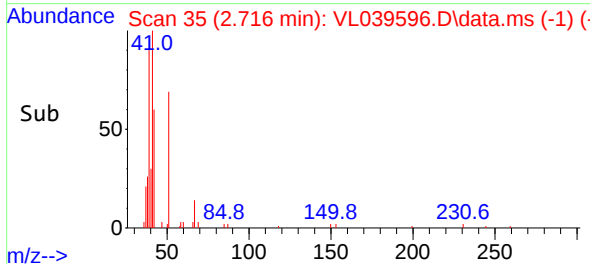
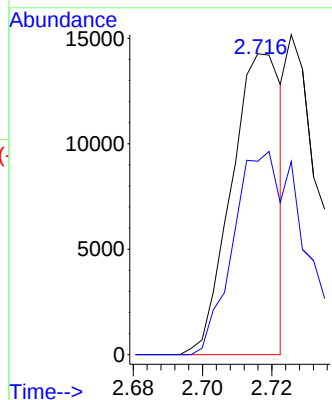
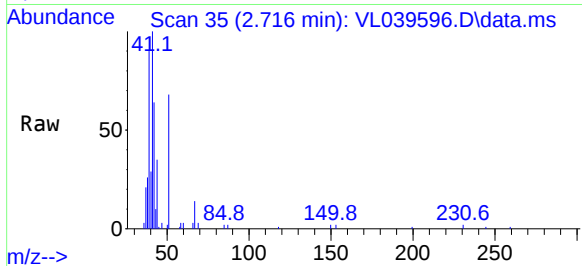




#9
 Propene
 Concen: 0.271 ppbv
 RT: 2.716 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

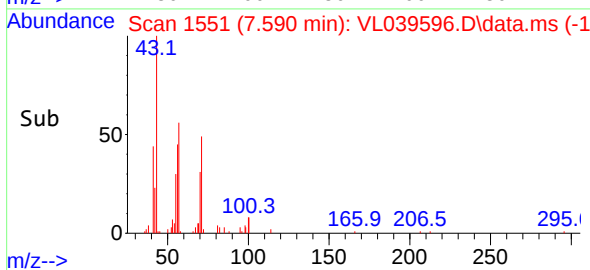
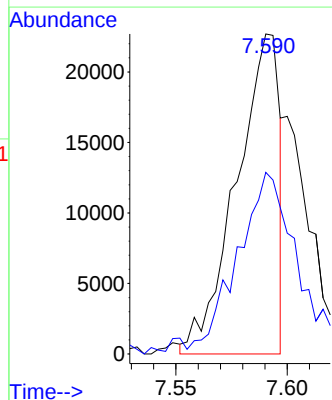
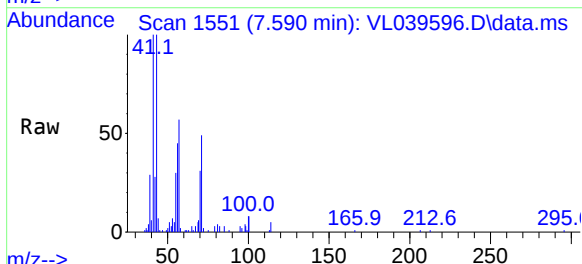
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT3-2022

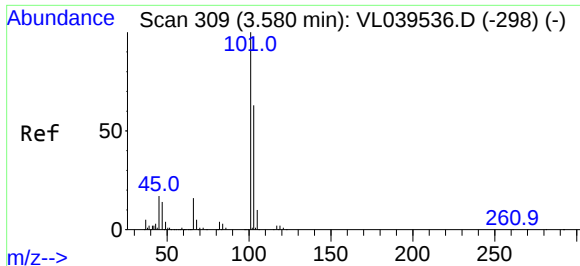
Tgt Ion: 41 Resp: 14247
 Ion Ratio Lower Upper
 41 100
 42 120.6 55.2 82.8#



#10
 Heptane
 Concen: 0.250 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 43 Resp: 30497
 Ion Ratio Lower Upper
 43 100
 57 79.9 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.472 ppbv

RT: 3.584 min Scan# 309

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

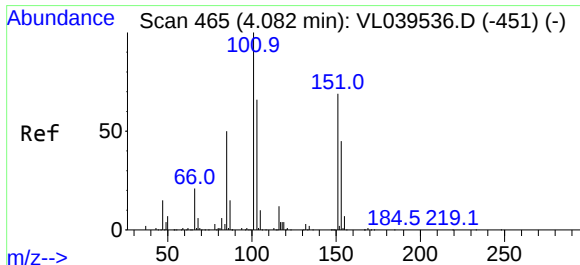
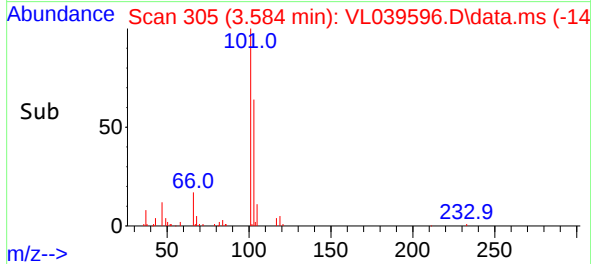
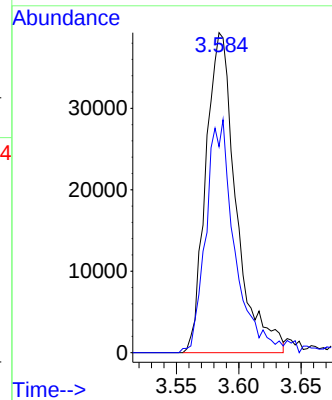
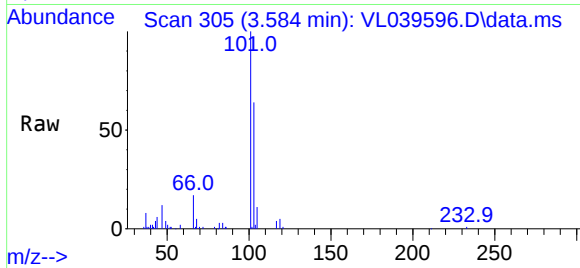
MDL-AIR-03-QT3-2022

Tgt Ion:101 Resp: 66515

Ion Ratio Lower Upper

101 100

103 63.1 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.461 ppbv

RT: 4.086 min Scan# 461

Delta R.T. 0.004 min

Lab File: VL039596.D

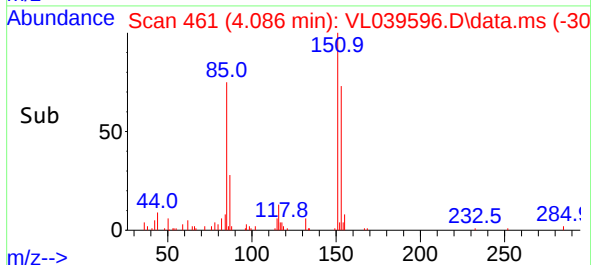
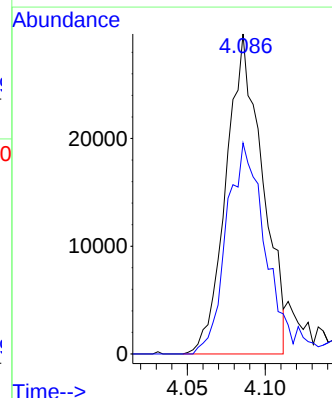
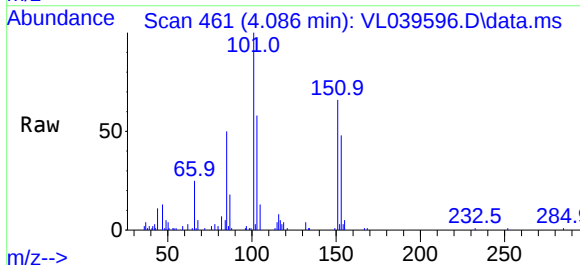
Acq: 26 Aug 2022 9:42

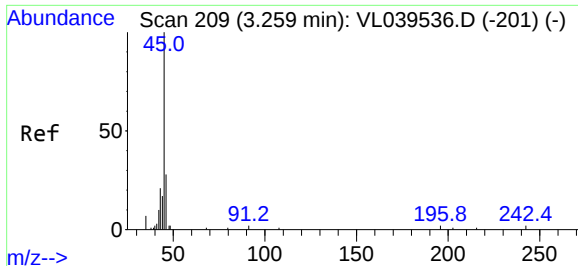
Tgt Ion:101 Resp: 48100

Ion Ratio Lower Upper

101 100

151 75.0 58.9 88.3





#13

Ethanol

Concen: 0.336 ppbv

RT: 3.272 min Scan# 209

Delta R.T. 0.013 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

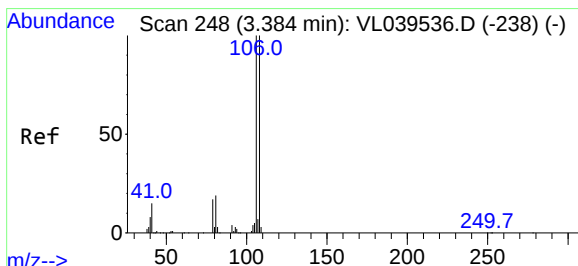
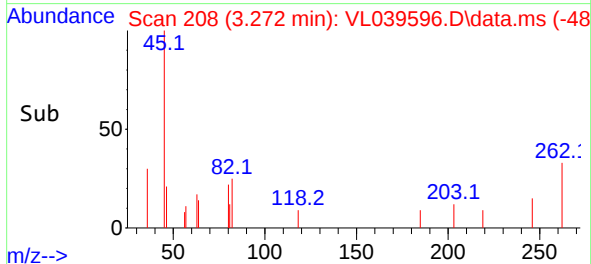
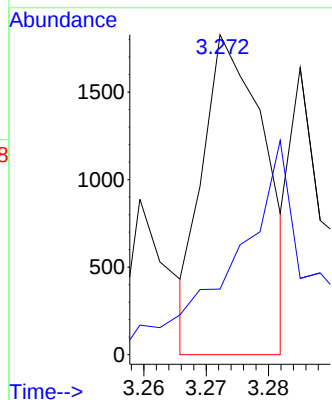
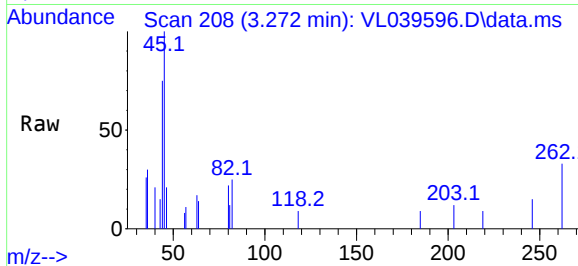
MDL-AIR-03-QT3-2022

Tgt Ion: 45 Resp: 1271

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#



#14

Bromoethene

Concen: 0.468 ppbv

RT: 3.388 min Scan# 244

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

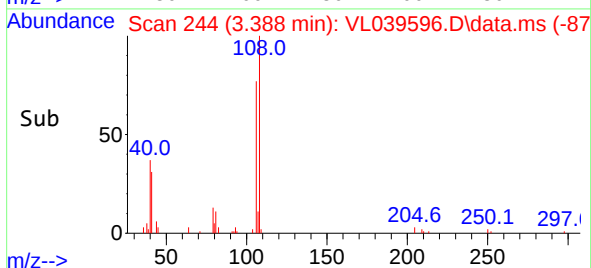
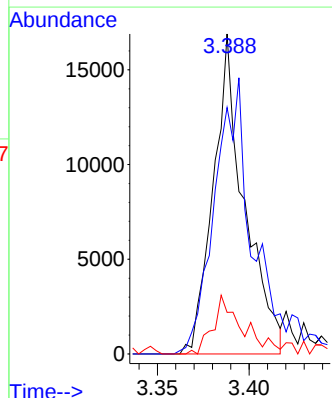
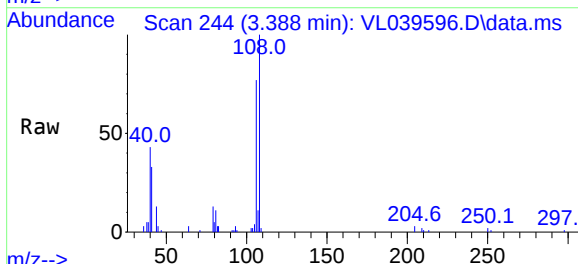
Tgt Ion:108 Resp: 19935

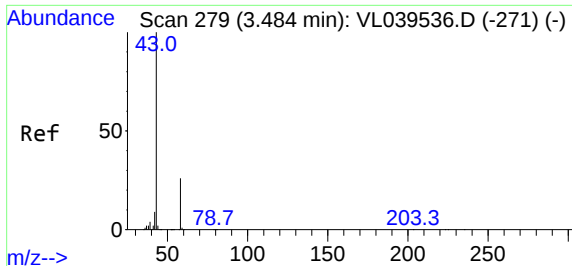
Ion Ratio Lower Upper

108 100

106 110.3 87.1 130.7

79 21.3 14.6 22.0





#15

Acetone

Concen: 0.504 ppbv

RT: 3.504 min Scan# 21

Delta R.T. 0.020 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

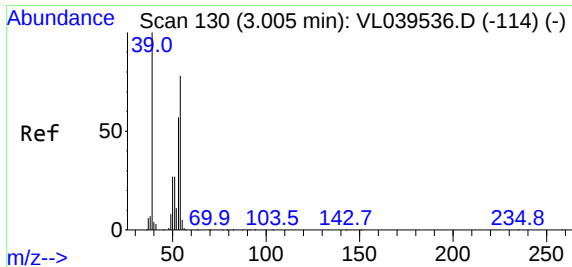
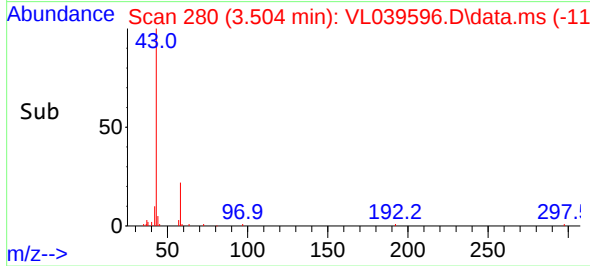
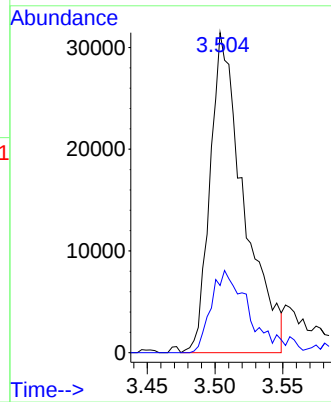
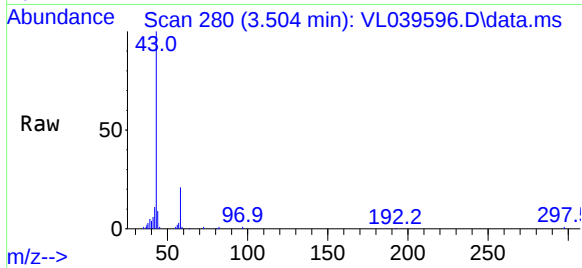
MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 54512

Ion Ratio Lower Upper

43 100

58 30.0 21.0 31.6



#16

1,3-Butadiene

Concen: 0.390 ppbv

RT: 3.005 min Scan# 125

Delta R.T. 0.001 min

Lab File: VL039596.D

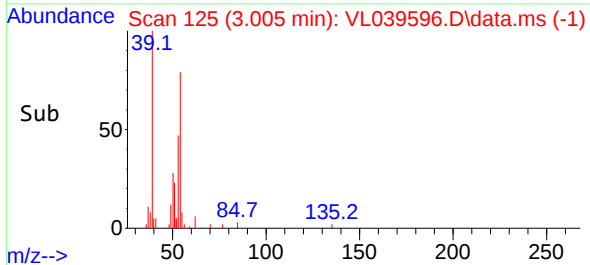
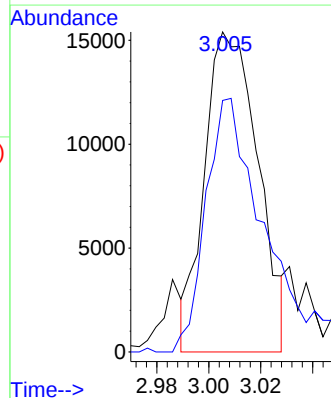
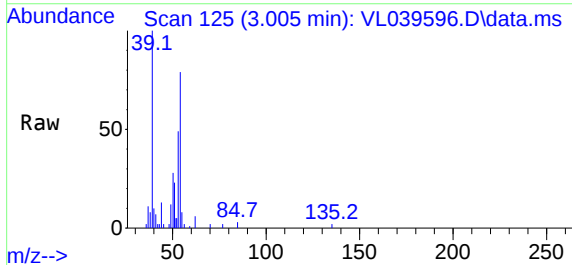
Acq: 26 Aug 2022 9:42

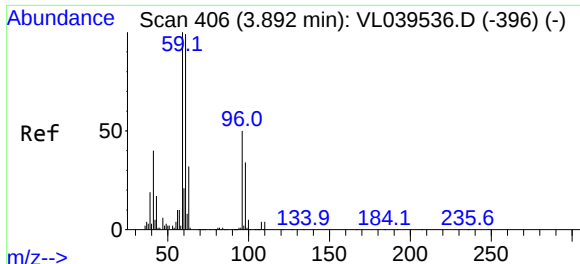
Tgt Ion: 39 Resp: 22006

Ion Ratio Lower Upper

39 100

54 90.7 63.7 95.5

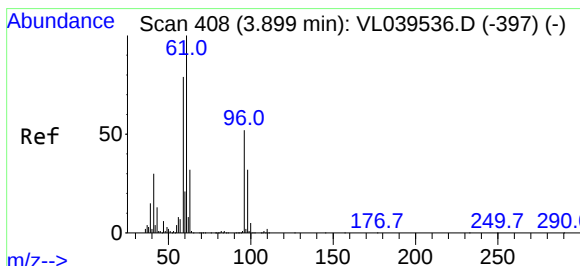
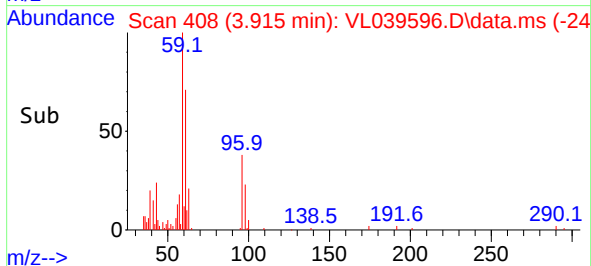
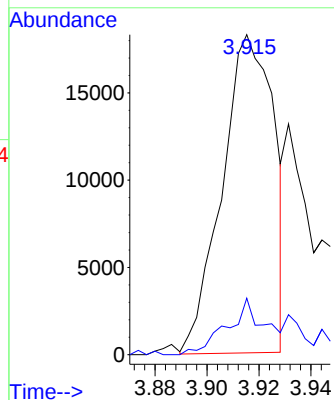
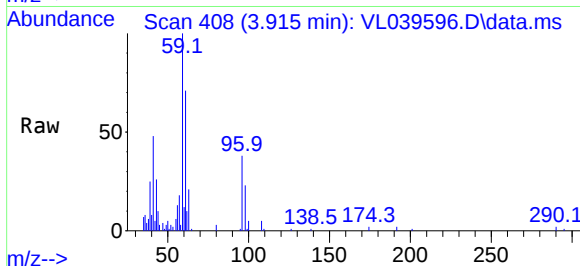




#17
tert-Butyl alcohol
Concen: 0.274 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.023 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

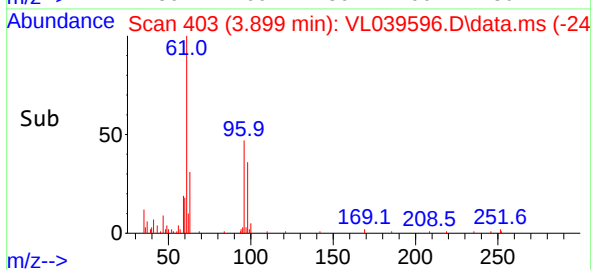
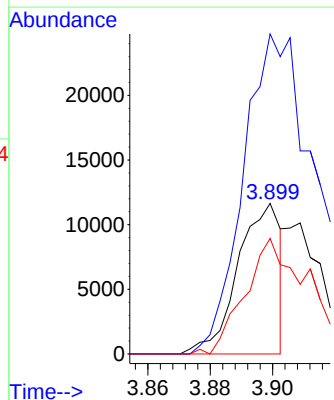
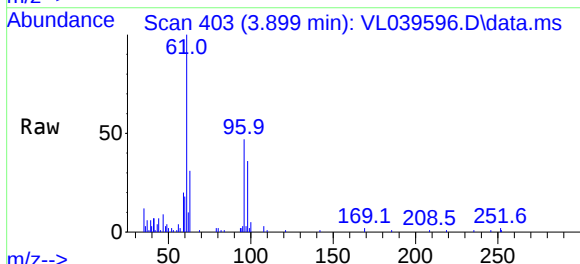
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

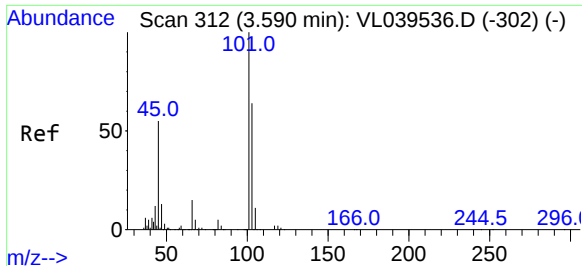
Tgt Ion: 59 Resp: 25265
Ion Ratio Lower Upper
59 100
57 19.1 8.7 13.1#



#18
1,1-Dichloroethene
Concen: 0.237 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 96 Resp: 11150
Ion Ratio Lower Upper
96 100
61 212.6 152.2 228.4
98 76.7 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.333 ppbv

RT: 3.616 min Scan# 312

Delta R.T. 0.026 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

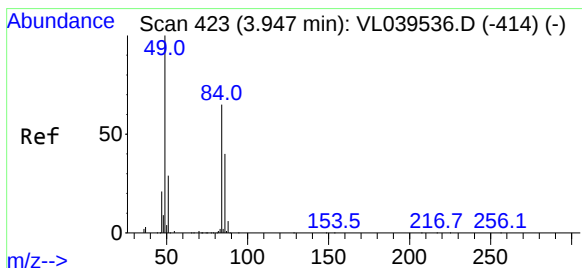
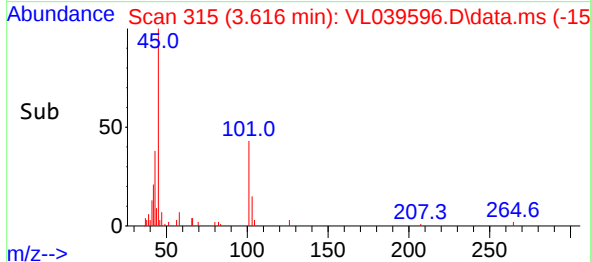
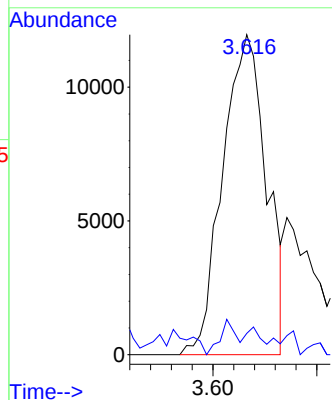
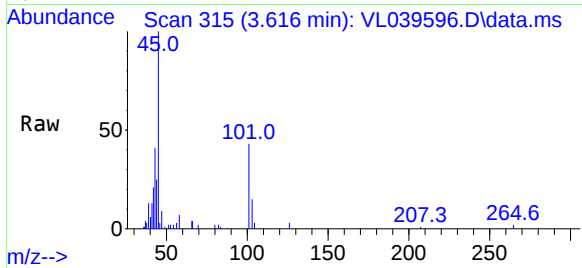
MDL-AIR-03-QT3-2022

Tgt Ion: 45 Resp: 17530

Ion Ratio Lower Upper

45 100

58 13.0 3.2 4.8#



#20

Methylene Chloride

Concen: 0.658 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion: 84 Resp: 28902

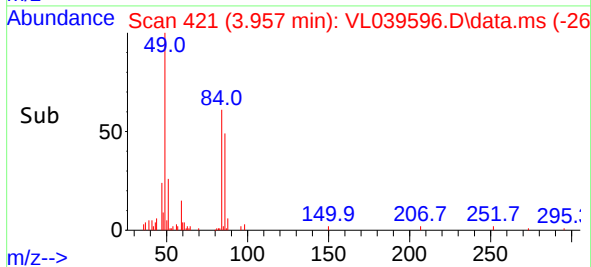
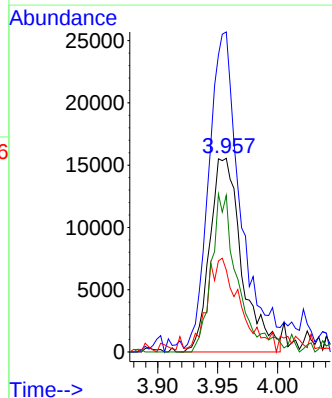
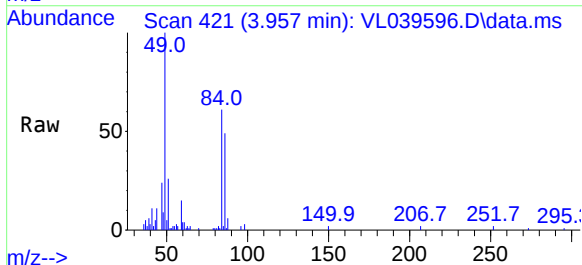
Ion Ratio Lower Upper

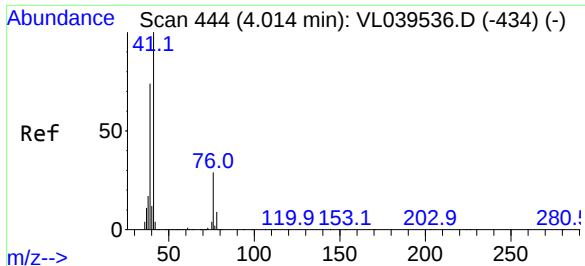
84 100

49 159.5 123.1 184.7

51 34.4 34.4 51.6#

86 80.9 51.1 76.7#

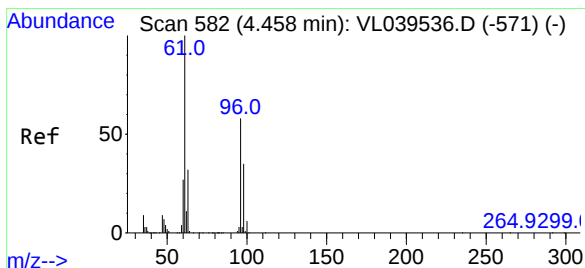
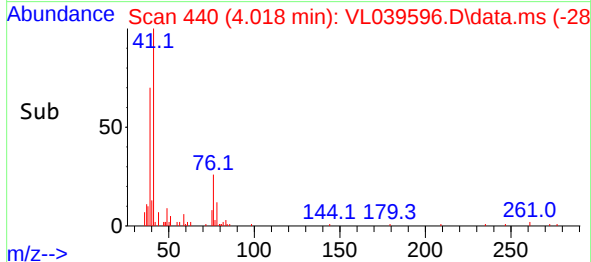
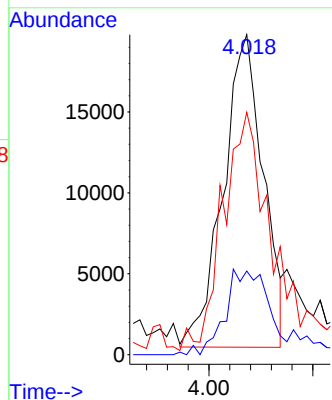
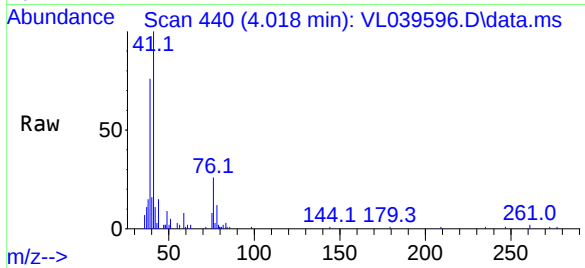




#21
 Allyl Chloride
 Concen: 0.369 ppbv
 RT: 4.018 min Scan# 444
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

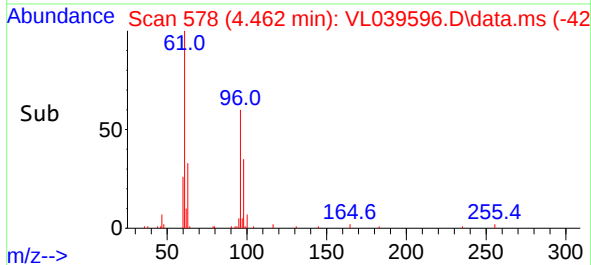
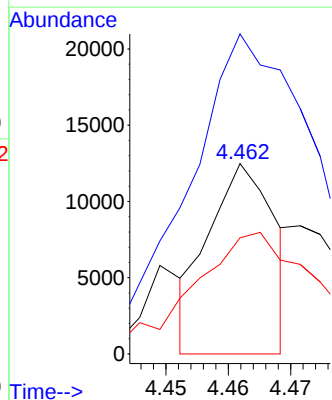
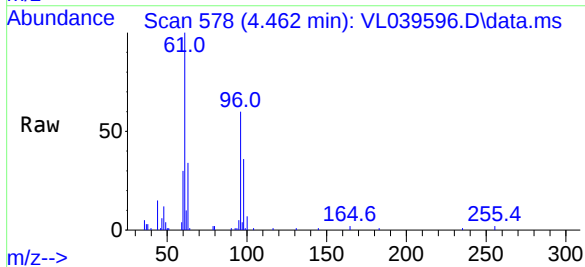
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

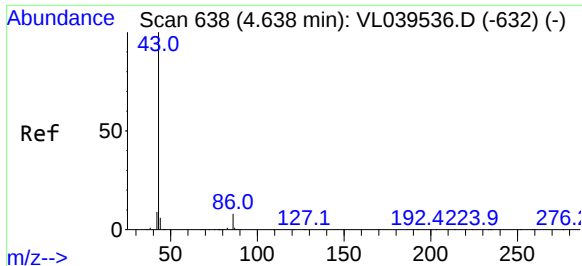
Tgt Ion: 41	Resp: 25927
Ion Ratio	Lower Upper
41	100
76	34.5 24.4 36.6
39	114.7 63.5 95.3#



#22
 trans-1,2-Dichloroethene
 Concen: 0.197 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 96	Resp: 9189
Ion Ratio	Lower Upper
96	100
61	151.4 130.6 195.8
98	52.7 53.4 80.0#



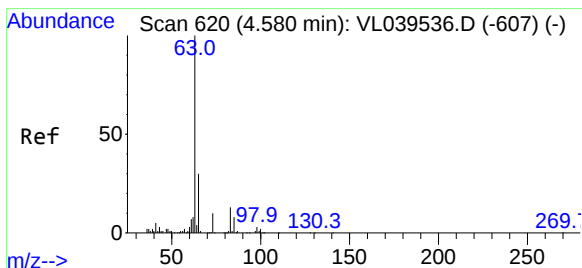
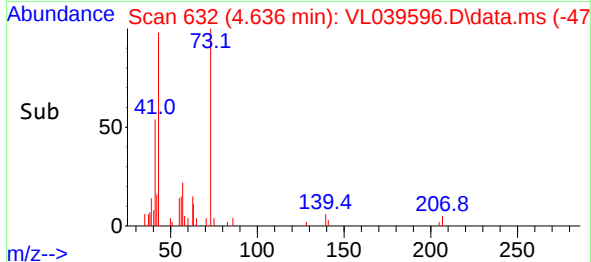
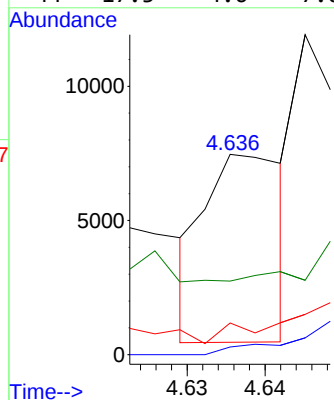
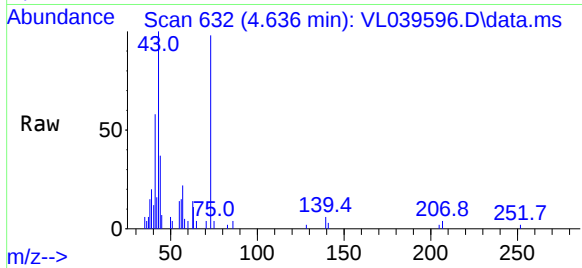


#23
 Vinyl Acetate
 Concen: 0.096 ppbv
 RT: 4.636 min Scan# 614
 Delta R.T. -0.003 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 4924

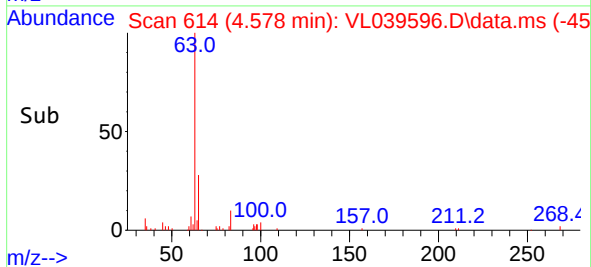
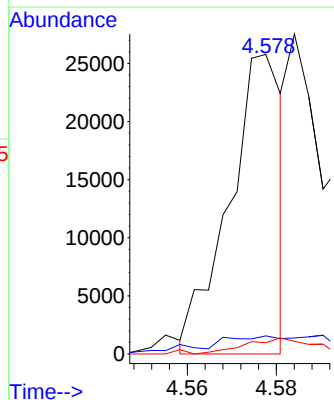
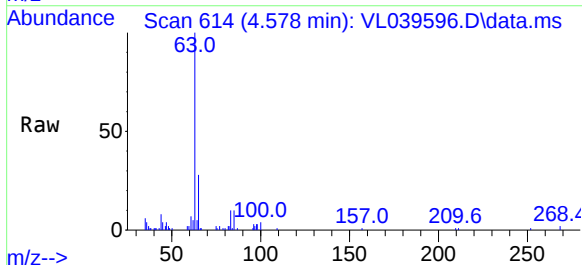
Ion	Ratio	Lower	Upper
43	100		
86	9.3	5.0	7.6#
42	8.1	7.7	11.5
44	17.3	4.6	7.0#

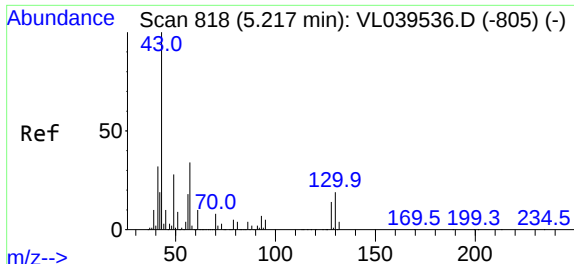


#24
 1,1-Dichloroethane
 Concen: 0.224 ppbv
 RT: 4.578 min Scan# 614
 Delta R.T. -0.003 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 63 Resp: 21346

Ion	Ratio	Lower	Upper
63	100		
98	3.0	1.8	5.3
100	2.4	1.5	4.4





#25

Ethyl Acetate

Concen: 0.200 ppbv

RT: 5.234 min Scan# 817

Delta R.T. 0.017 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 46244

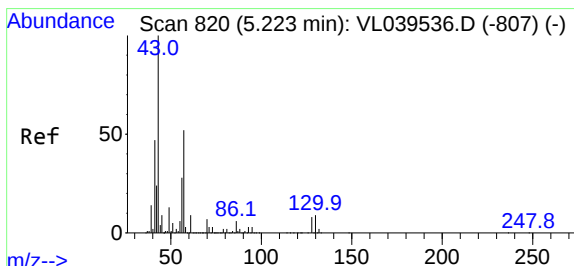
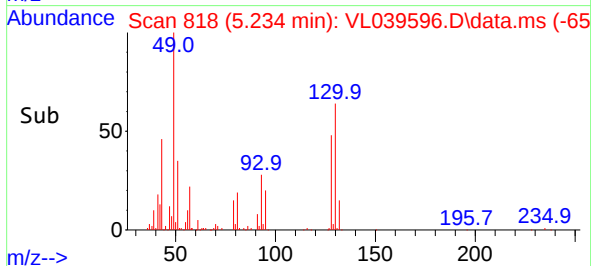
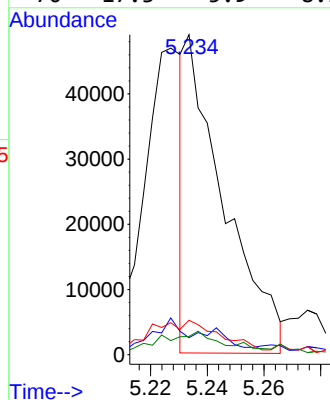
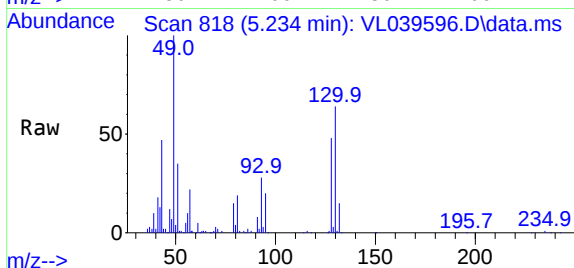
Ion Ratio Lower Upper

43 100

45 0.0 8.2 12.4#

61 28.2 8.3 12.5#

70 17.3 5.9 8.9#



#26

Hexane

Concen: 0.435 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.007 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion: 57 Resp: 41076

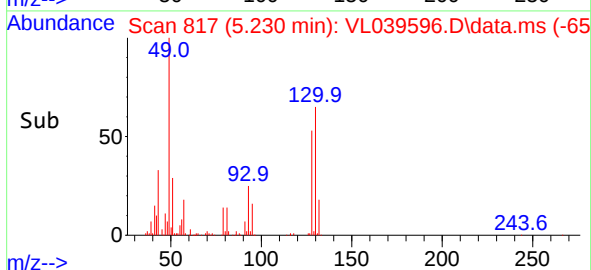
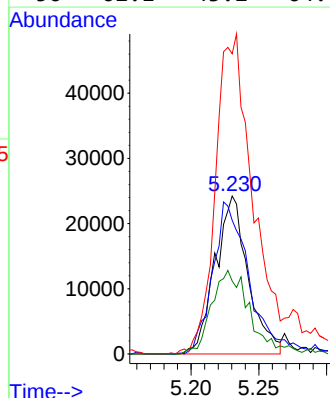
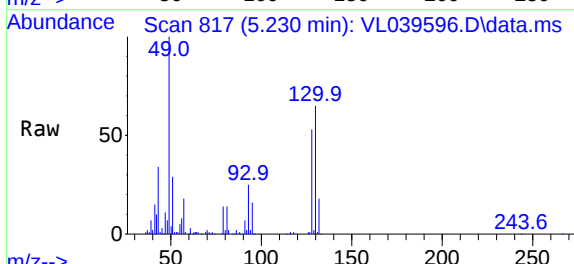
Ion Ratio Lower Upper

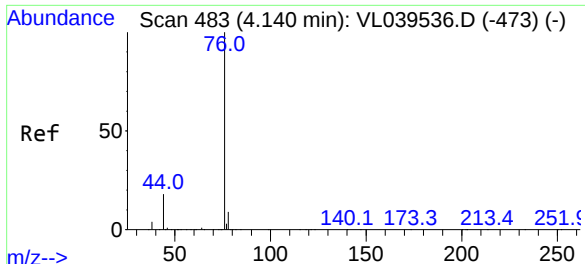
57 100

41 109.6 76.9 115.3

43 251.6 191.0 286.6

56 62.1 43.2 64.8

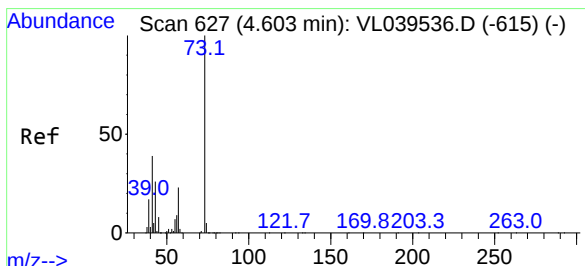
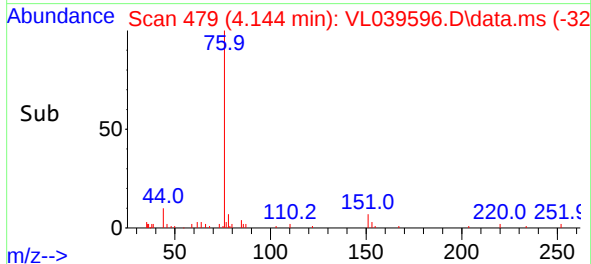
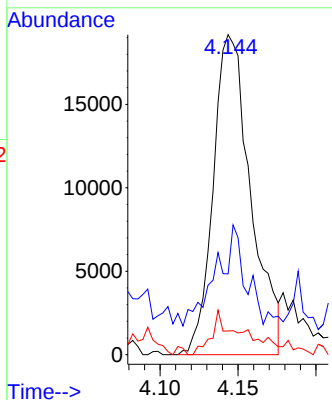
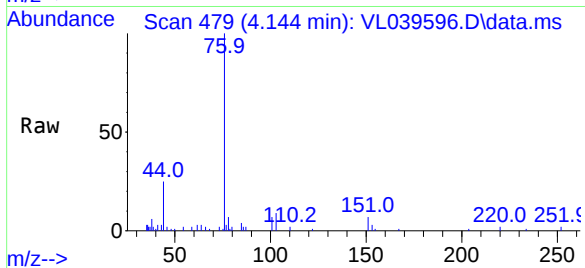




#27
Carbon Disulfide
Concen: 0.319 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

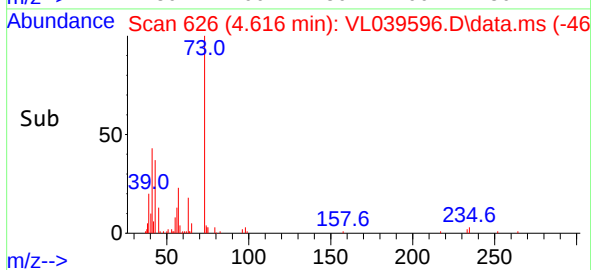
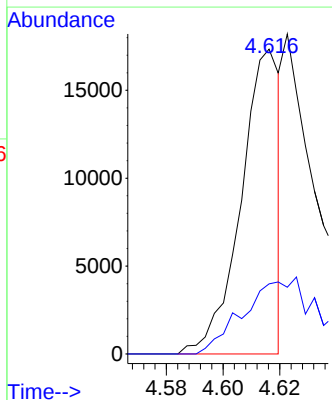
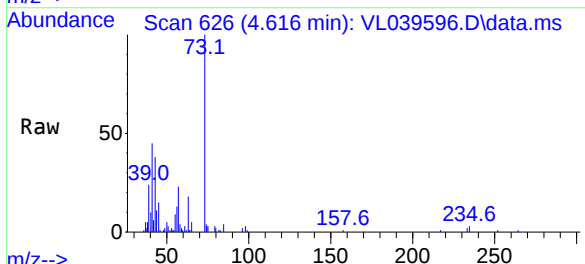
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

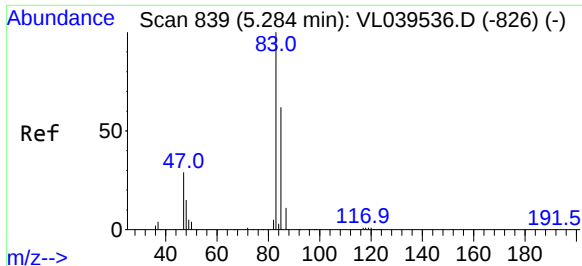
Tgt Ion: 76 Resp: 32162
Ion Ratio Lower Upper
76 100
44 26.8 14.6 21.8#
78 12.8 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 0.202 ppbv
RT: 4.616 min Scan# 626
Delta R.T. 0.013 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 73 Resp: 16474
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#





#29

Chloroform

Concen: 0.441 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

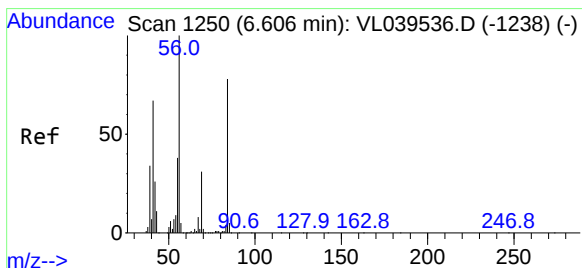
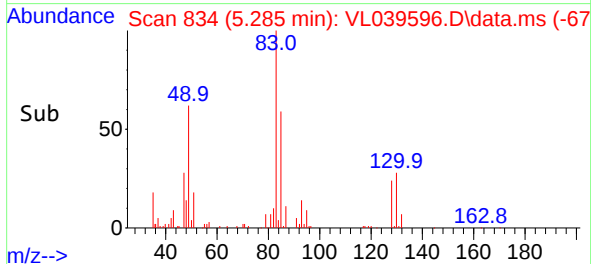
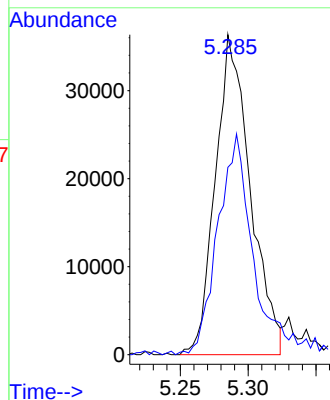
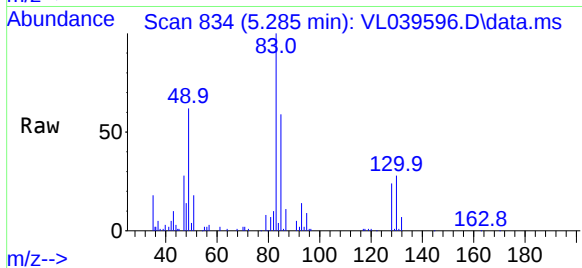
MDL-AIR-03-QT3-2022

Tgt Ion: 83 Resp: 65143

Ion Ratio Lower Upper

83 100

85 57.8 52.8 79.2



#30

Cyclohexane

Concen: 0.271 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

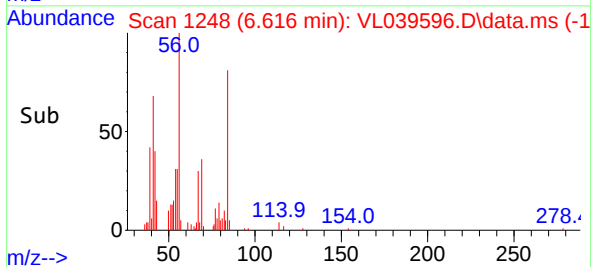
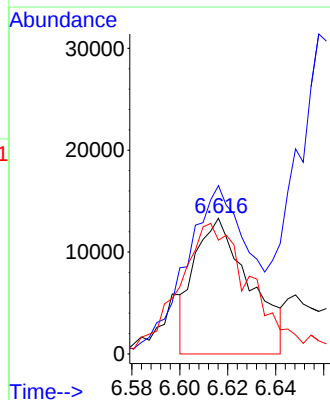
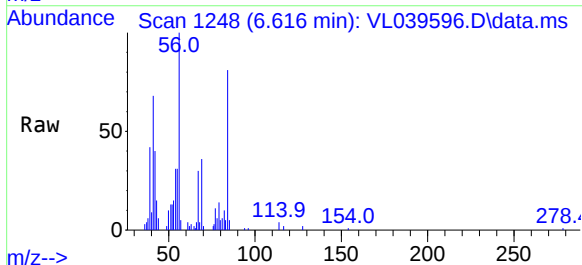
Tgt Ion: 84 Resp: 21163

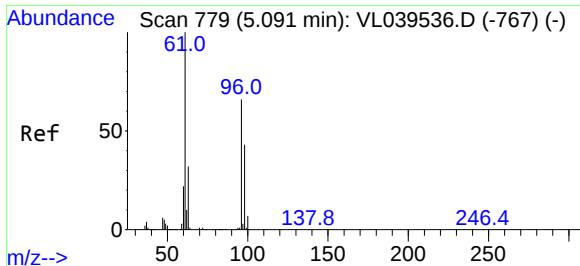
Ion Ratio Lower Upper

84 100

56 151.5 107.7 161.5

41 141.9 67.7 101.5#

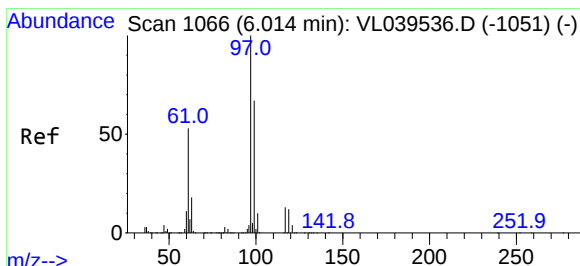
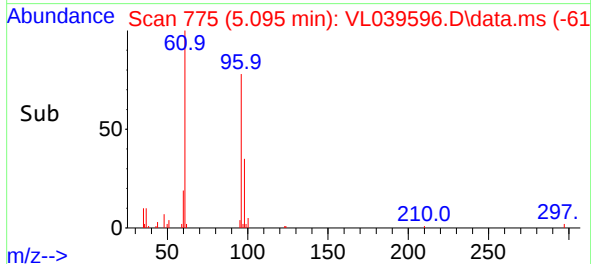
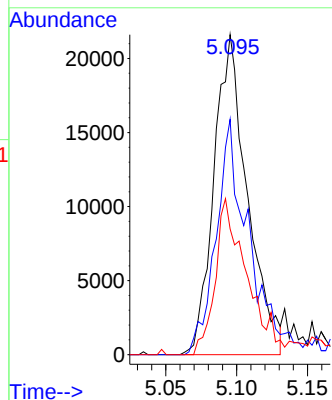
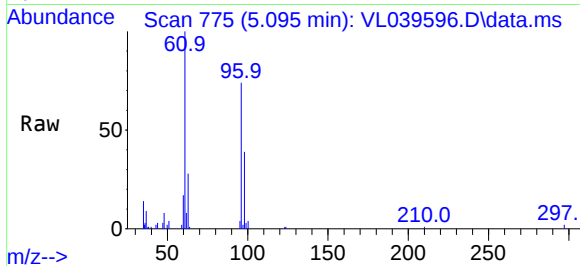




#31
 cis-1,2-Dichloroethene
 Concen: 0.389 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

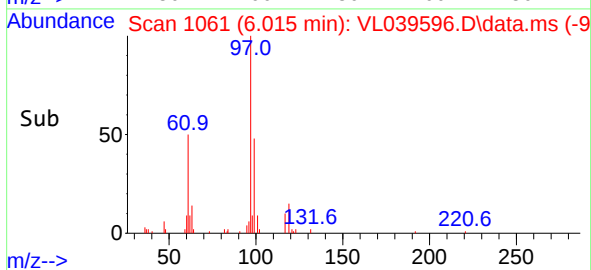
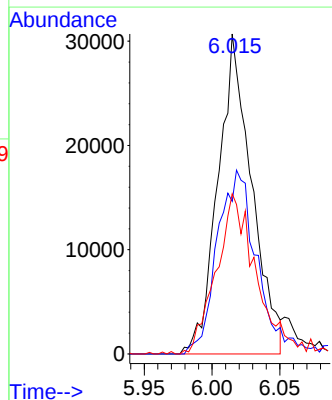
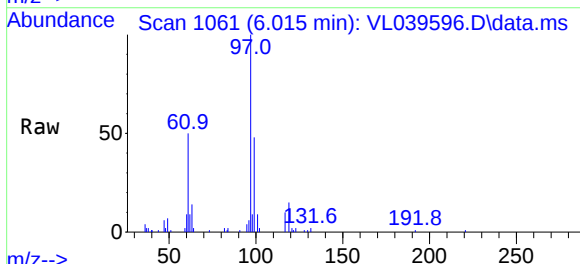
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

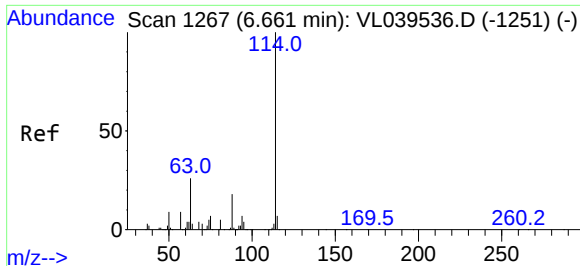
Tgt Ion: 61 Resp: 35547
 Ion Ratio Lower Upper
 61 100
 96 68.0 54.1 81.1
 98 36.3 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 0.408 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.001 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 97 Resp: 53073
 Ion Ratio Lower Upper
 97 100
 99 68.9 52.3 78.5
 61 60.4 40.9 61.3

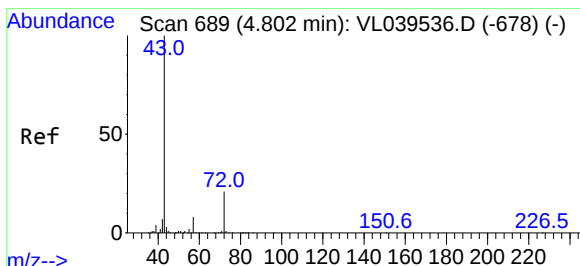
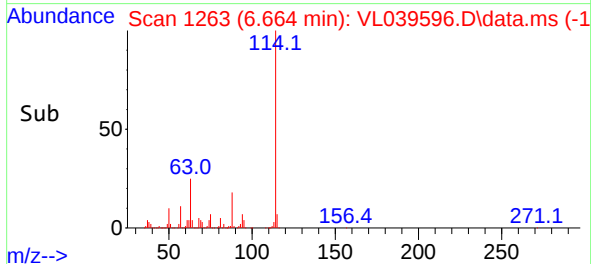
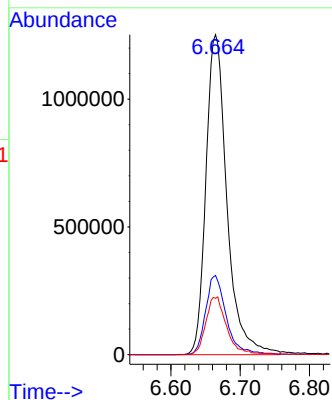
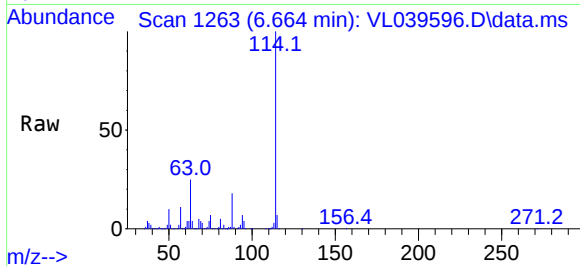




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 114
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

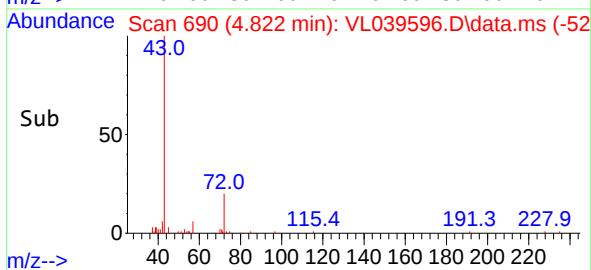
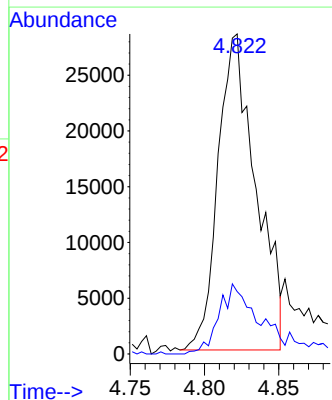
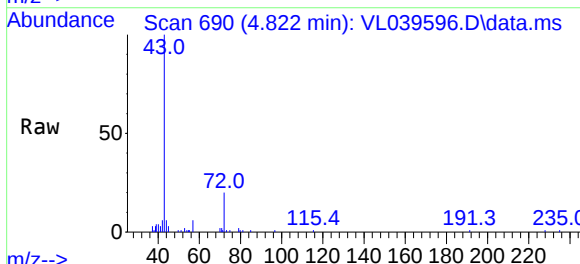
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

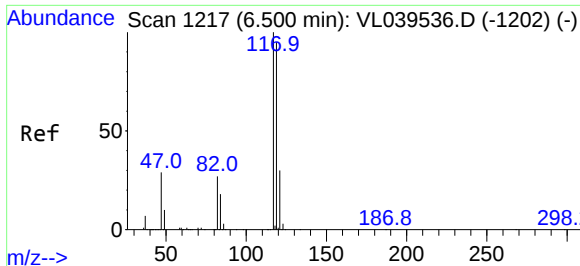
Tgt Ion:114 Resp: 2632875
Ion Ratio Lower Upper
114 100
63 24.5 20.2 30.4
88 18.2 14.5 21.7



#34
2-Butanone
Concen: 0.386 ppbv
RT: 4.822 min Scan# 690
Delta R.T. 0.020 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 43 Resp: 50548
Ion Ratio Lower Upper
43 100
72 27.8 17.9 26.9#

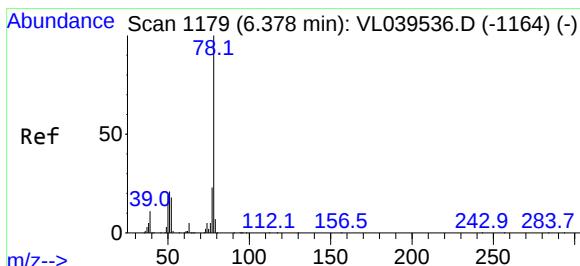
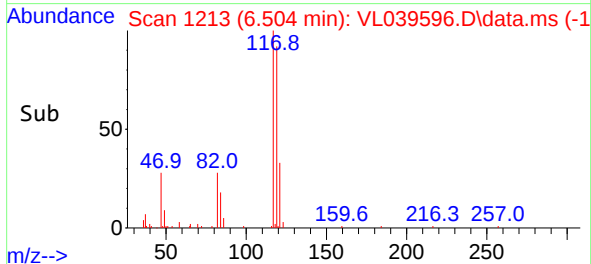
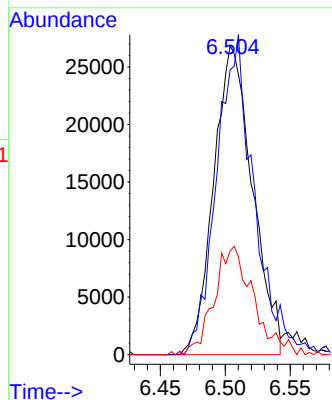
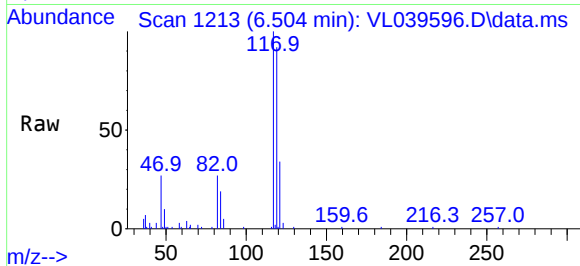




#35
Carbon Tetrachloride
Concen: 0.392 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

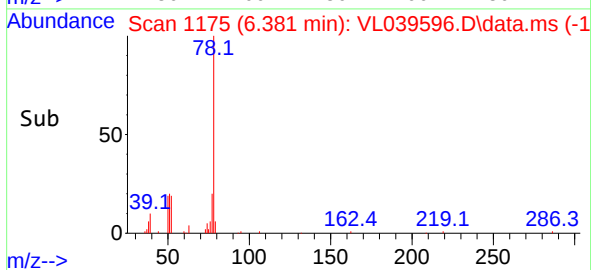
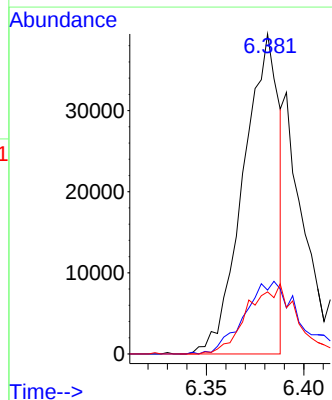
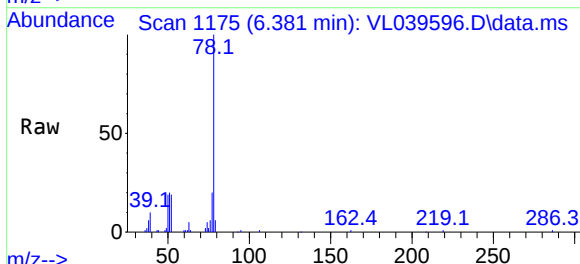
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

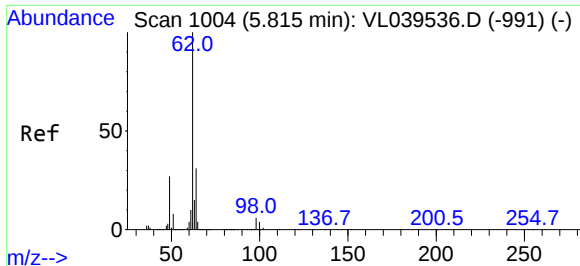
Tgt Ion:117 Resp: 55795
Ion Ratio Lower Upper
117 100
119 91.2 75.4 113.2
121 32.5 24.2 36.2



#36
Benzene
Concen: 0.248 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 78 Resp: 49860
Ion Ratio Lower Upper
78 100
77 20.0 20.3 30.5#
50 19.4 15.5 23.3

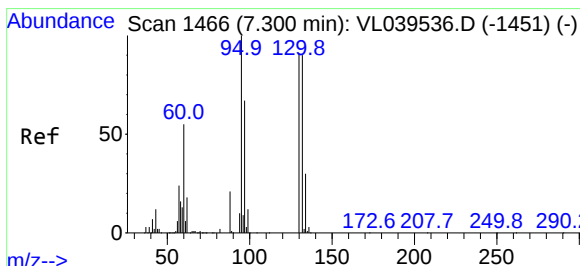
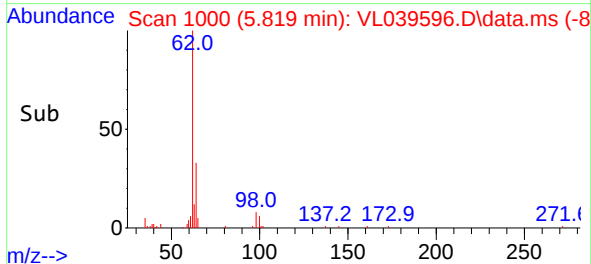
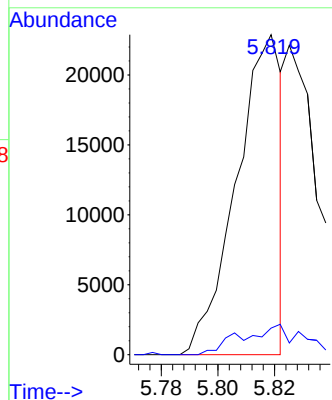
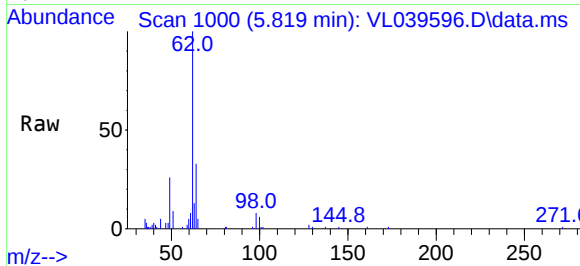




#37
1,2-Dichloroethane
Concen: 0.227 ppbv
RT: 5.819 min Scan# 1004
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

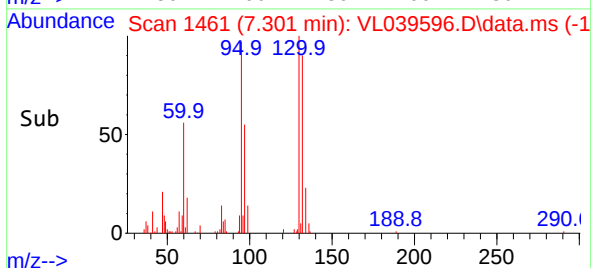
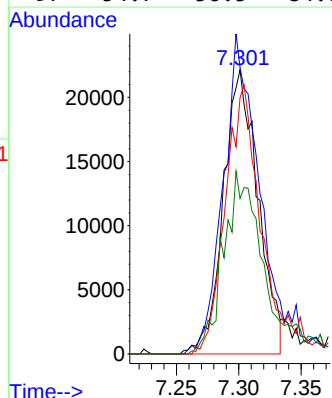
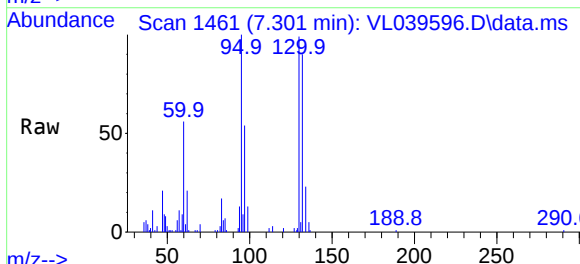
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

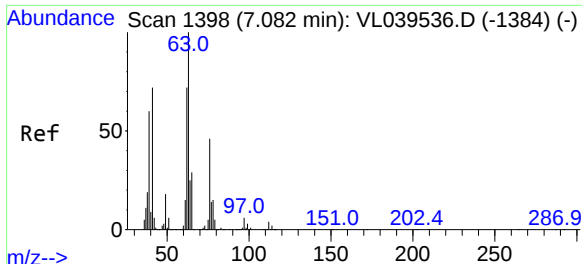
Tgt Ion: 62 Resp: 25116
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7#



#38
Trichloroethene
Concen: 0.398 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:130 Resp: 42773
Ion Ratio Lower Upper
130 100
95 100.8 87.3 130.9
132 90.2 76.7 115.1
97 54.7 56.5 84.7#





#39

1,2-Dichloropropane

Concen: 0.184 ppbv

RT: 7.076 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

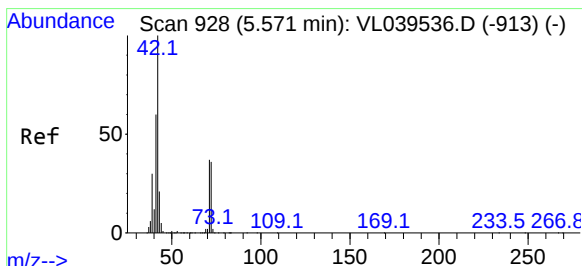
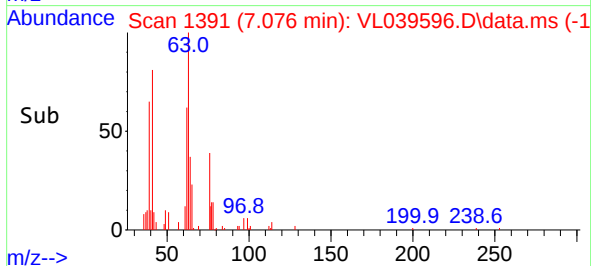
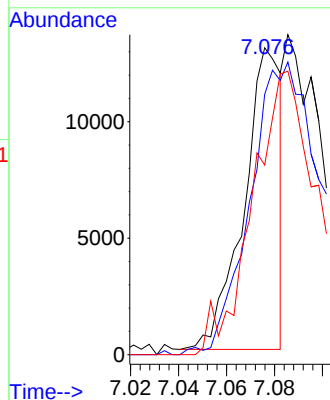
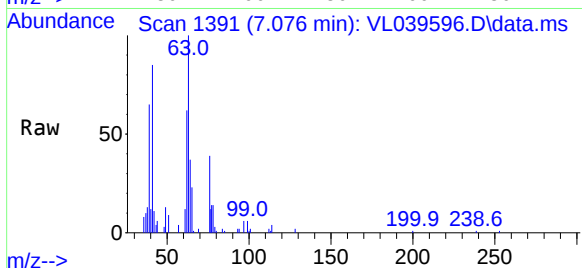
Tgt Ion: 63 Resp: 13876

Ion Ratio Lower Upper

63 100

41 86.3 59.6 89.4

62 61.1 51.4 77.0



#41

Tetrahydrofuran

Concen: 0.228 ppbv

RT: 5.600 min Scan# 932

Delta R.T. 0.030 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

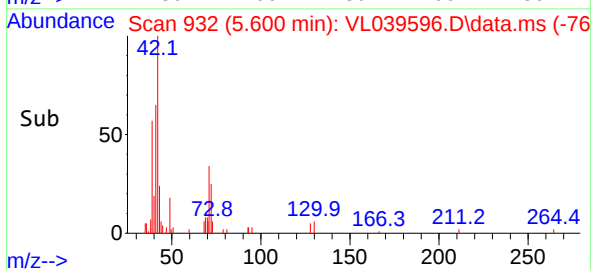
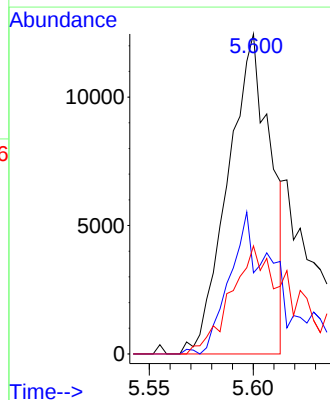
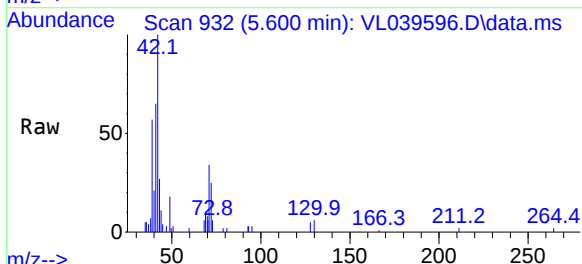
Tgt Ion: 42 Resp: 17820

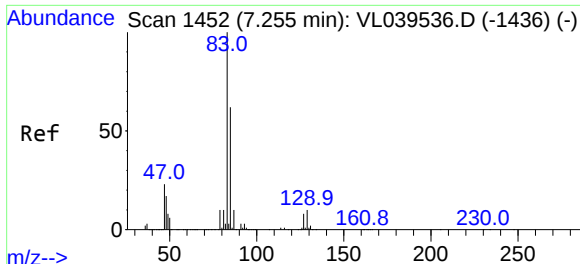
Ion Ratio Lower Upper

42 100

72 57.9 31.8 47.8#

71 58.7 31.8 47.8#

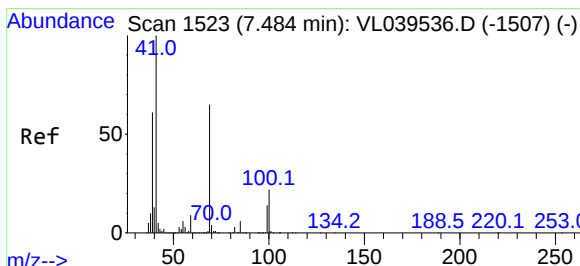
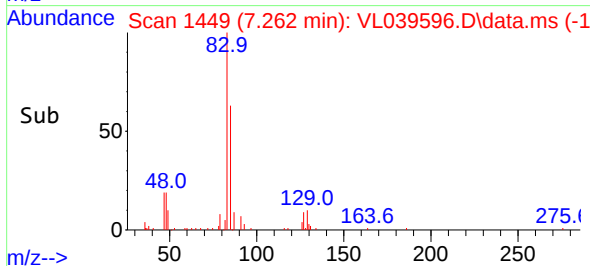
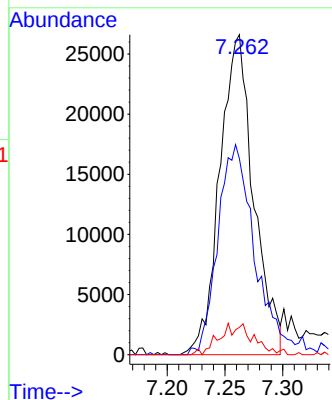
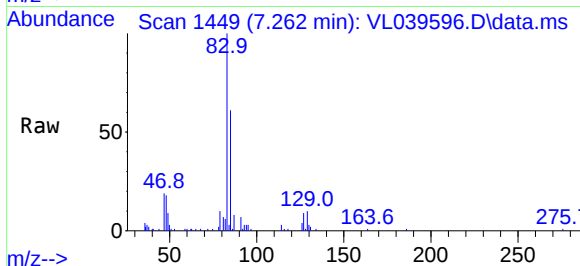




#42
Bromodichloromethane
Concen: 0.359 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

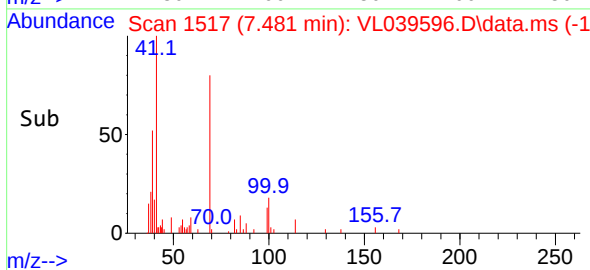
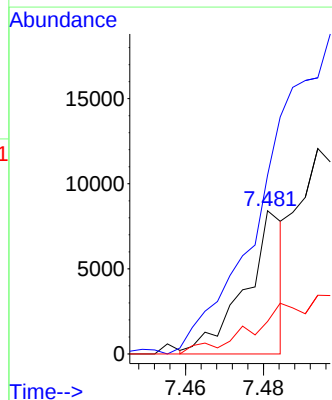
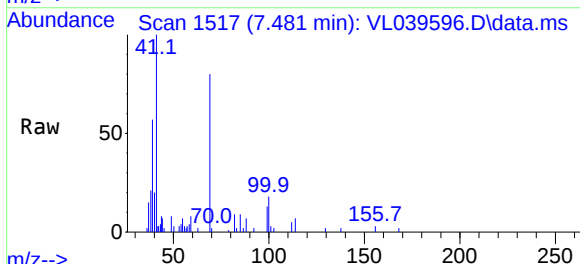
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT3-2022

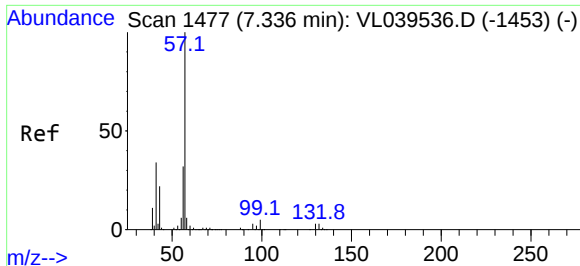
Tgt Ion: 83 Resp: 54378
Ion Ratio Lower Upper
83 100
85 61.2 50.7 76.1
127 8.5 6.6 9.8



#43
Methyl Methacrylate
Concen: 0.079 ppbv
RT: 7.481 min Scan# 1517
Delta R.T. -0.003 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 69 Resp: 5698
Ion Ratio Lower Upper
69 100
41 0.0 120.8 181.2#
100 0.0 27.8 41.6#





#44

2,2,4-Trimethylpentane

Concen: 0.382 ppbv

RT: 7.340 min Scan# 14

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

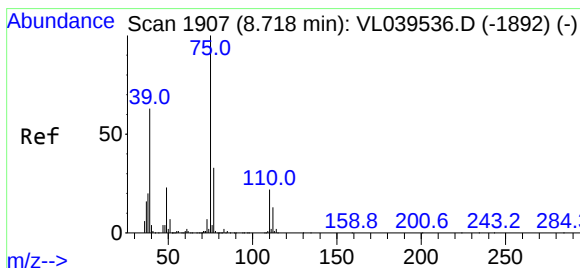
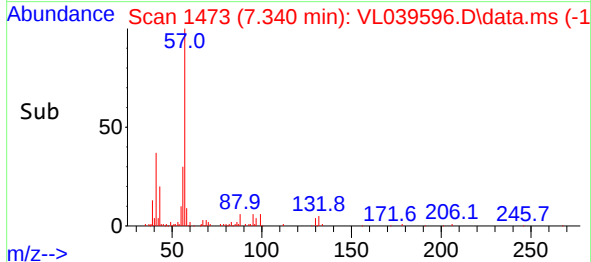
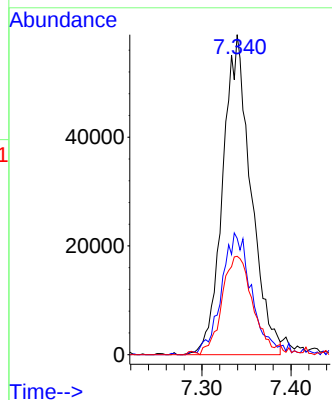
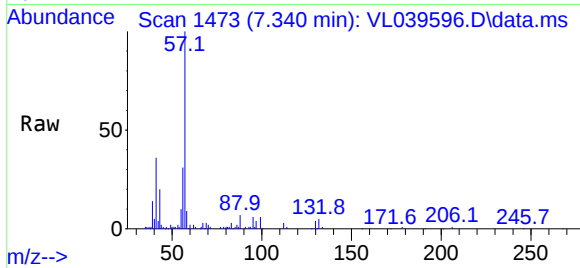
Tgt Ion: 57 Resp: 129337

Ion Ratio Lower Upper

57 100

41 41.6 27.4 41.2#

56 34.9 24.5 36.7



#45

t-1,3-Dichloropropene

Concen: 0.047 ppbv

RT: 8.719 min Scan# 1902

Delta R.T. 0.001 min

Lab File: VL039596.D

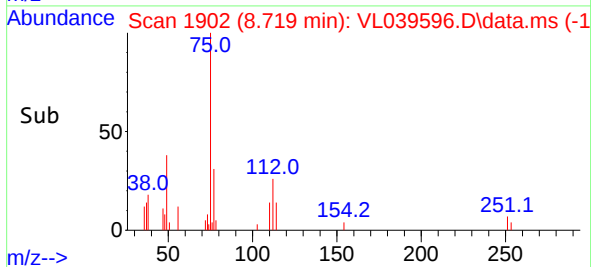
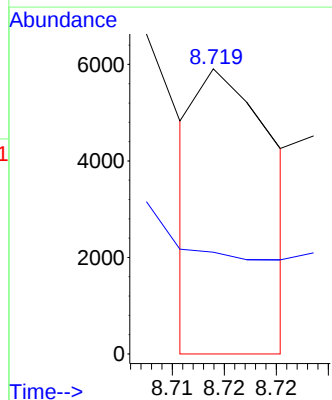
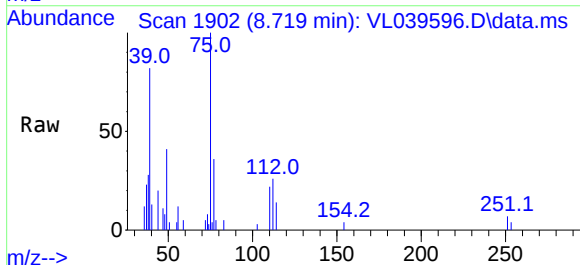
Acq: 26 Aug 2022 9:42

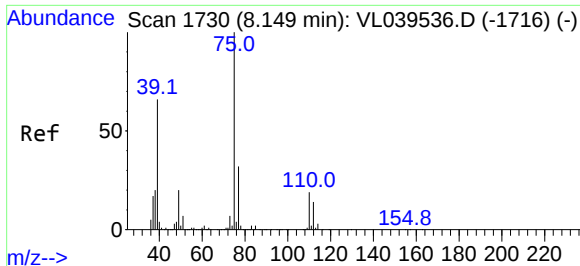
Tgt Ion: 75 Resp: 2963

Ion Ratio Lower Upper

75 100

77 35.7 24.6 36.8

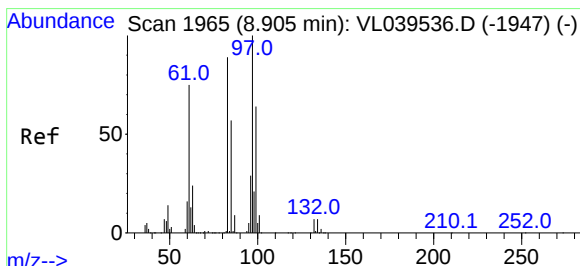
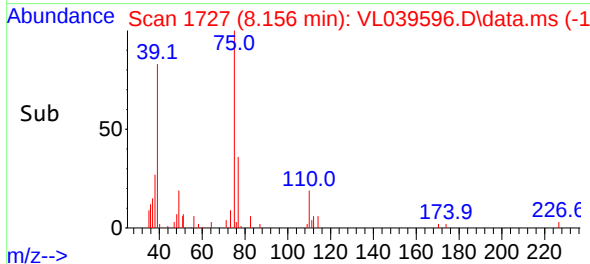
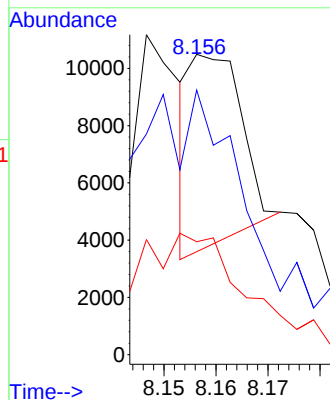
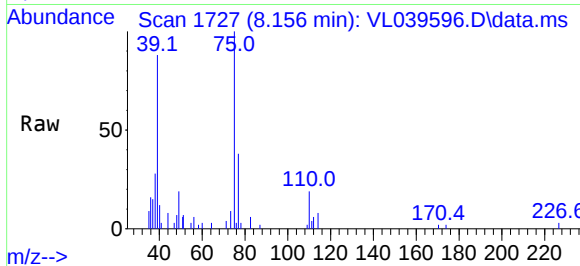




#46
 cis-1,3-Dichloropropene
 Concen: 0.052 ppbv
 RT: 8.156 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

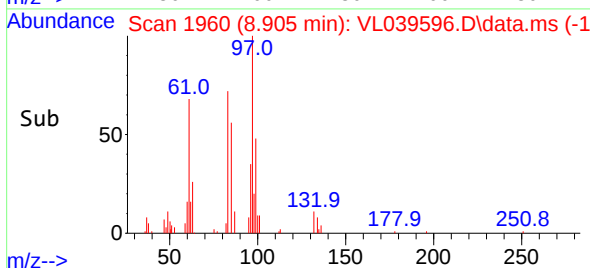
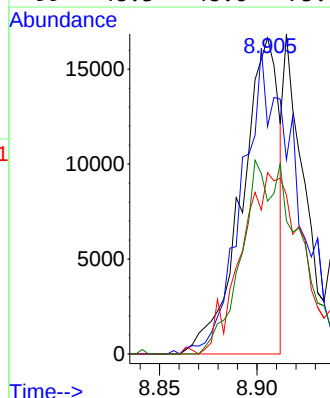
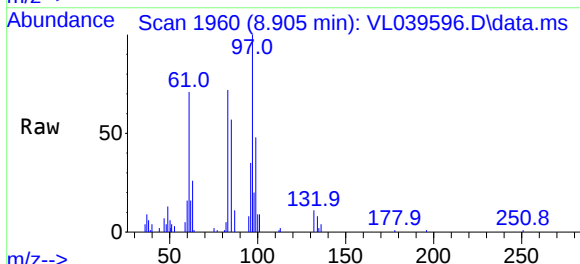
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

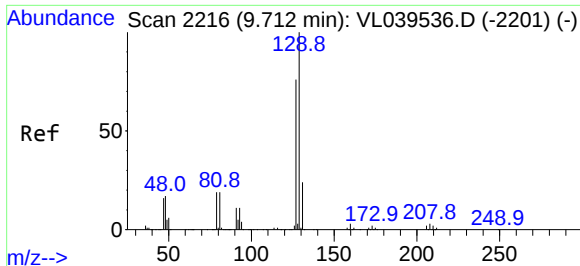
Tgt Ion: 75 Resp: 4571
 Ion Ratio Lower Upper
 75 100
 39 127.5 55.0 82.4#
 77 46.7 25.7 38.5#



#47
 1,1,2-Trichloroethane
 Concen: 0.257 ppbv
 RT: 8.905 min Scan# 1960
 Delta R.T. 0.001 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 97 Resp: 22109
 Ion Ratio Lower Upper
 97 100
 83 72.0 67.4 101.0
 85 57.3 45.1 67.7
 99 48.3 48.6 73.0#





#48

Dibromochloromethane

Concen: 0.208 ppbv

RT: 9.716 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

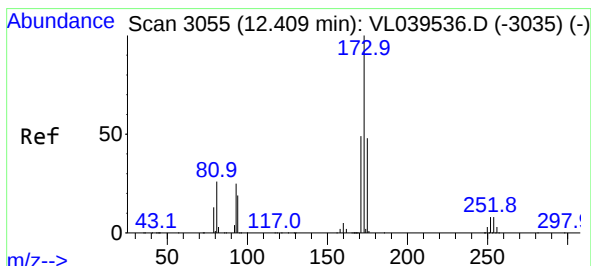
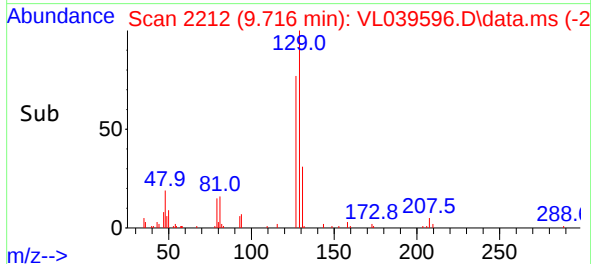
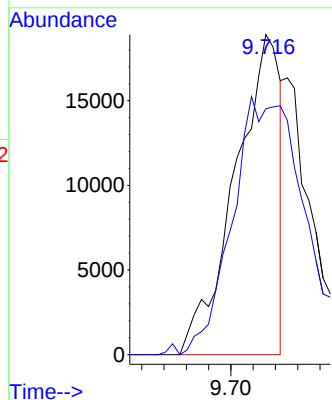
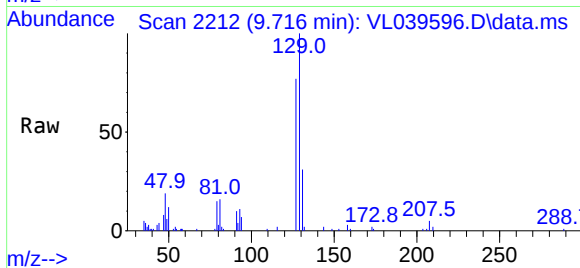
MDL-AIR-03-QT3-2022

Tgt Ion:129 Resp: 26470

Ion Ratio Lower Upper

129 100

127 138.8 39.3 117.9#



#49

Bromoform

Concen: 0.279 ppbv

RT: 12.410 min Scan# 3050

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

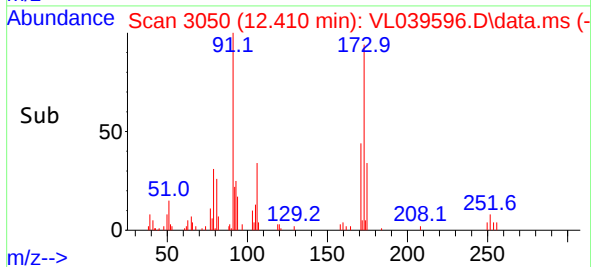
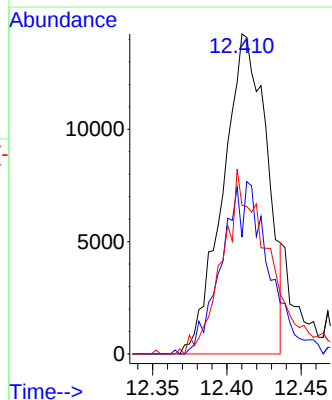
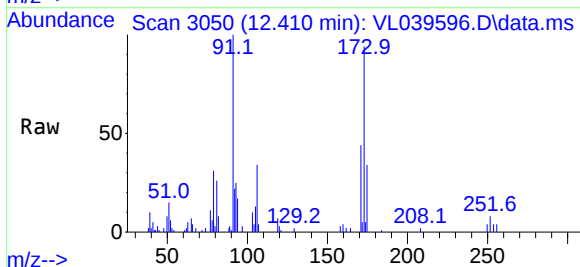
Tgt Ion:173 Resp: 29344

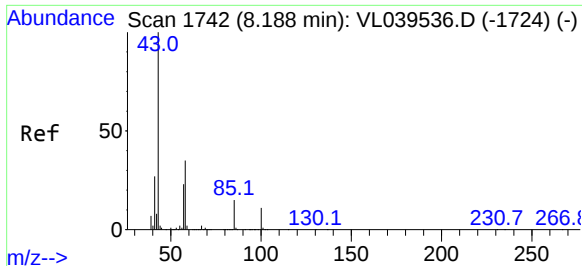
Ion Ratio Lower Upper

173 100

175 59.3 40.3 60.5

171 62.0 42.9 64.3





#50

4-Methyl-2-Pentanone

Concen: 0.281 ppbv

RT: 8.214 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

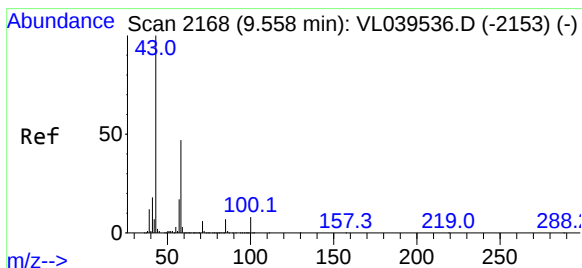
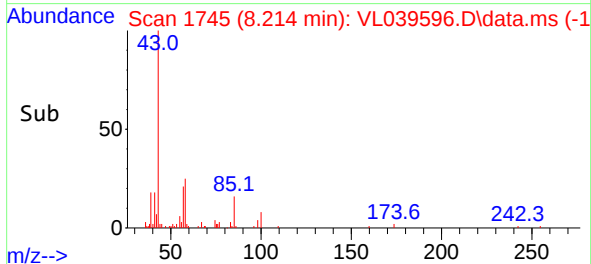
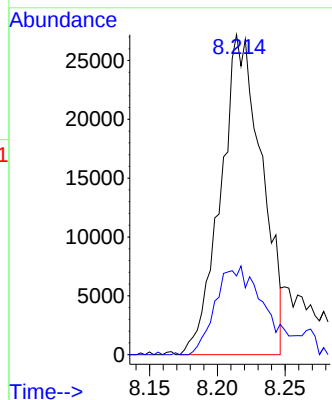
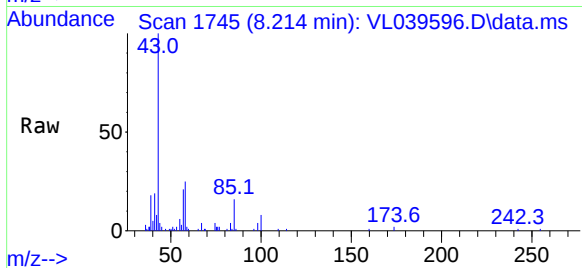
MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 57369

Ion Ratio Lower Upper

43 100

58 38.0 28.8 43.2



#51

2-Hexanone

Concen: 0.152 ppbv

RT: 9.587 min Scan# 2172

Delta R.T. 0.030 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

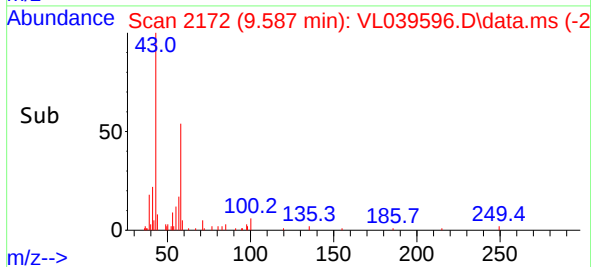
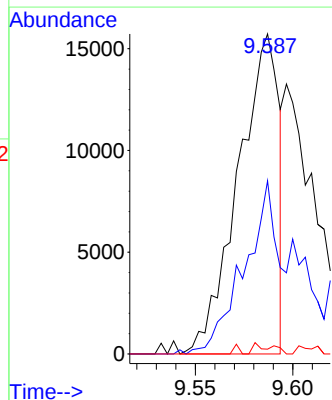
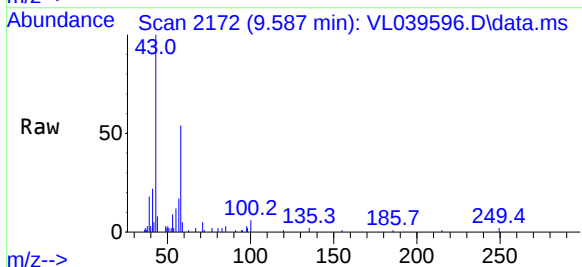
Tgt Ion: 43 Resp: 22811

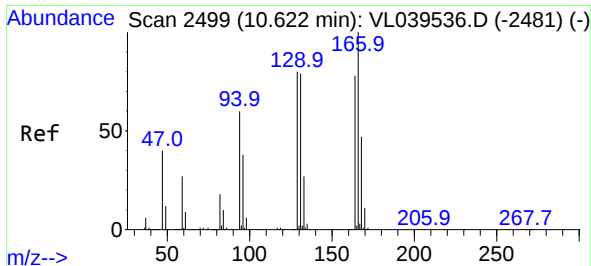
Ion Ratio Lower Upper

43 100

58 79.2 38.4 57.6#

98 3.0 0.3 0.5#



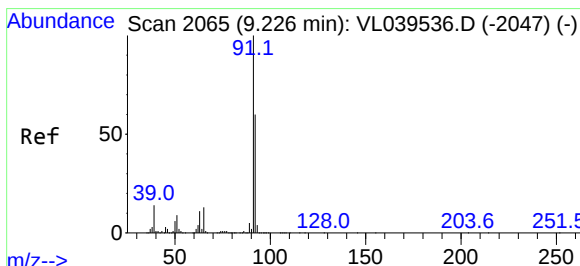
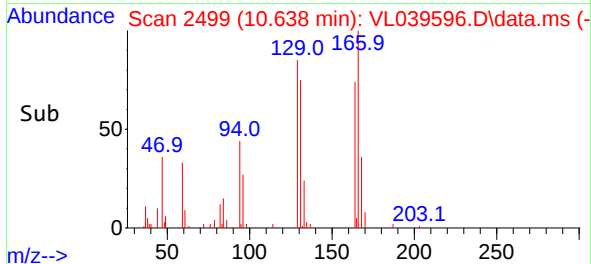
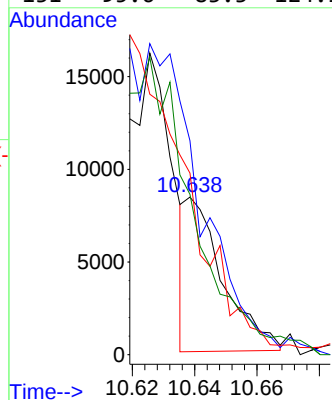
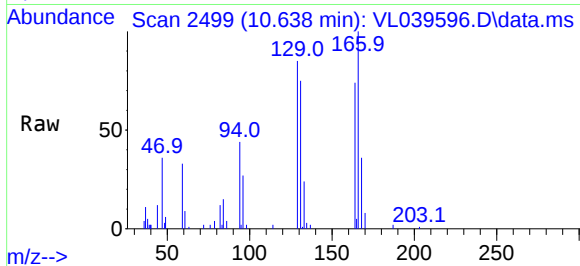


#52
Tetrachloroethene
Concen: 0.091 ppbv
RT: 10.638 min Scan# 2499
Delta R.T. 0.017 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion:164 Resp: 6876

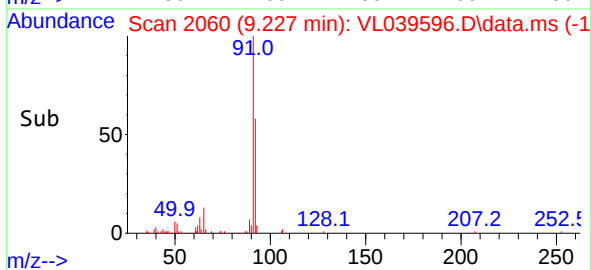
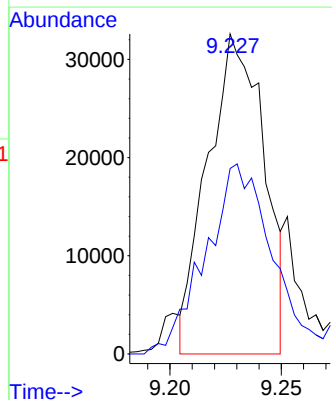
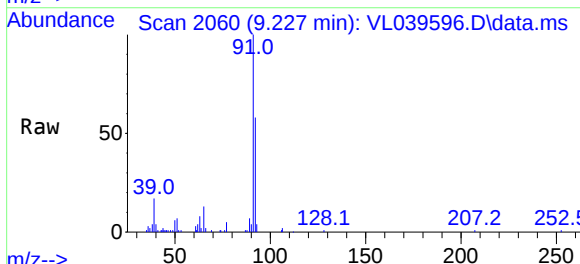
Ion	Ratio	Lower	Upper
164	100		
166	139.5	102.2	153.2
129	116.2	85.8	128.8
131	95.6	83.3	124.9

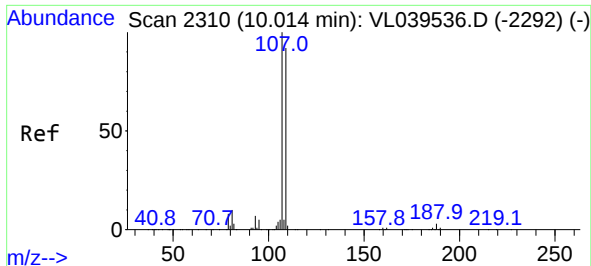


#53
Toluene
Concen: 0.255 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 91 Resp: 57275

Ion	Ratio	Lower	Upper
91	100		
92	74.6	48.2	72.2#

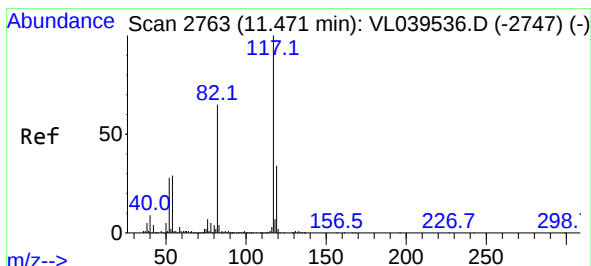
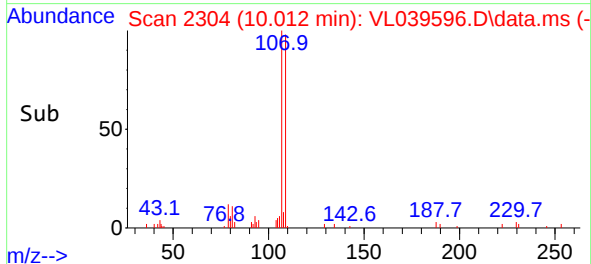
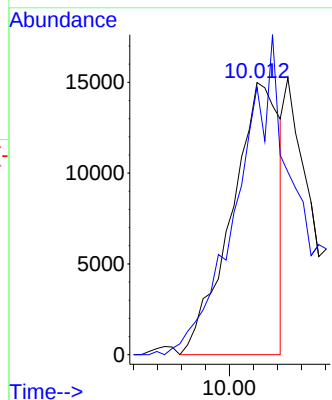
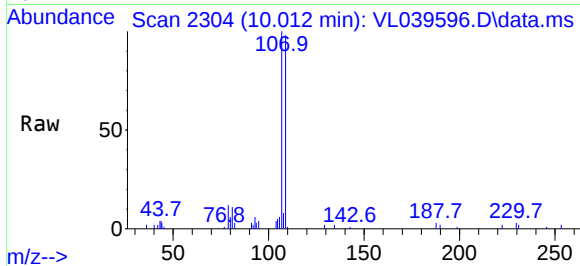




#54
1,2-Dibromoethane
Concen: 0.215 ppbv
RT: 10.012 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

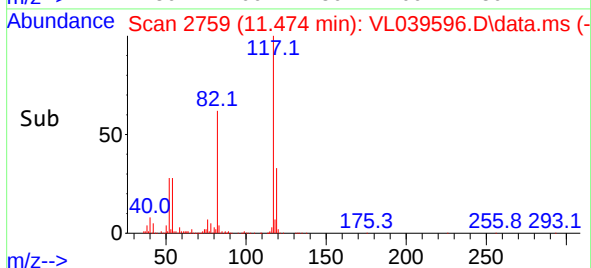
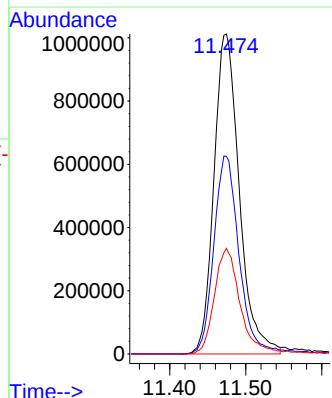
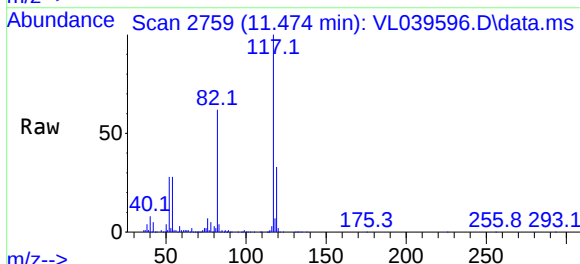
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

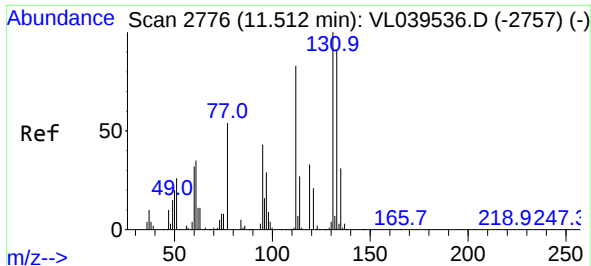
Tgt Ion:107 Resp: 20701
Ion Ratio Lower Upper
107 100
109 94.3 74.8 112.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:117 Resp: 2345621
Ion Ratio Lower Upper
117 100
82 63.0 50.8 76.2
119 33.8 24.1 36.1

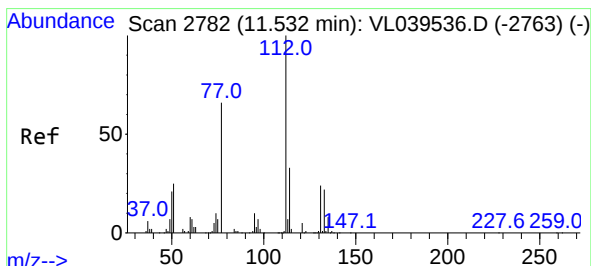
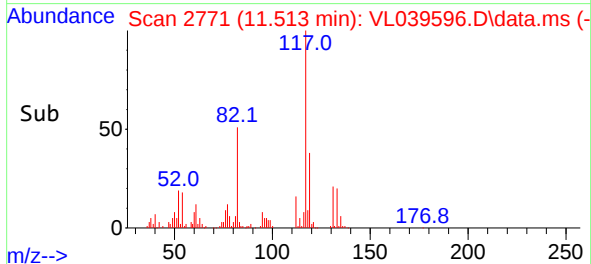
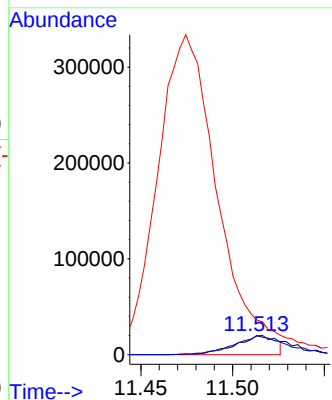
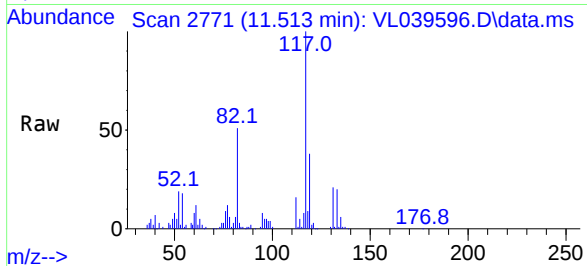




#56
1,1,1,2-Tetrachloroethane
Concen: 0.322 ppbv
RT: 11.513 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

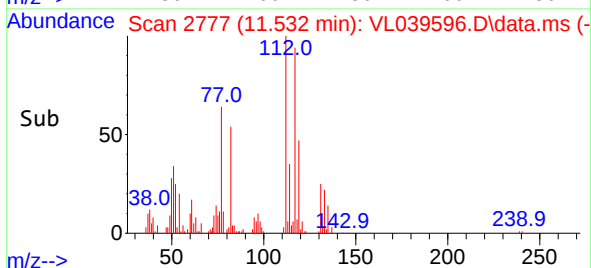
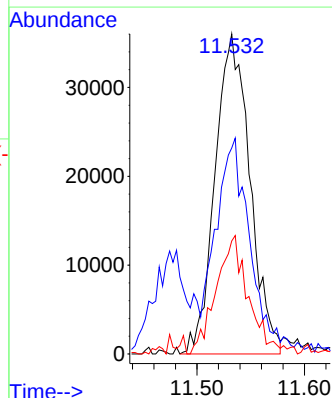
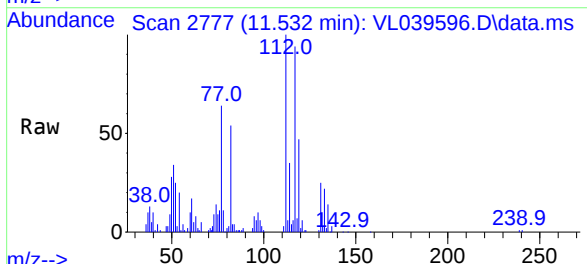
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

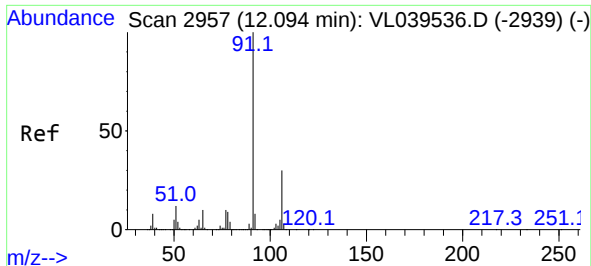
Tgt Ion:131 Resp: 30644
Ion Ratio Lower Upper
131 100
133 137.6 76.8 115.2#
119 2589.5 46.2 69.4#



#57
Chlorobenzene
Concen: 0.463 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:112 Resp: 81063
Ion Ratio Lower Upper
112 100
77 60.7 51.0 76.4
114 33.6 27.5 33.6#

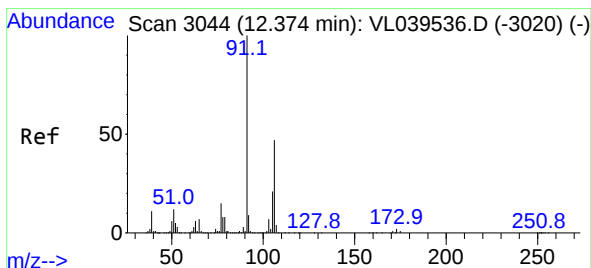
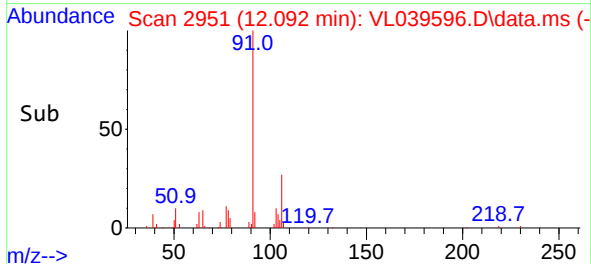
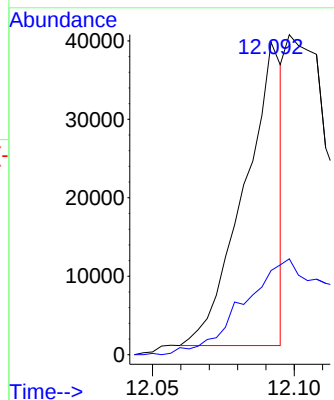
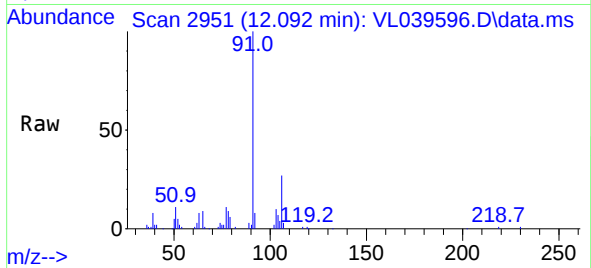




#58
Ethyl Benzene
Concen: 0.134 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

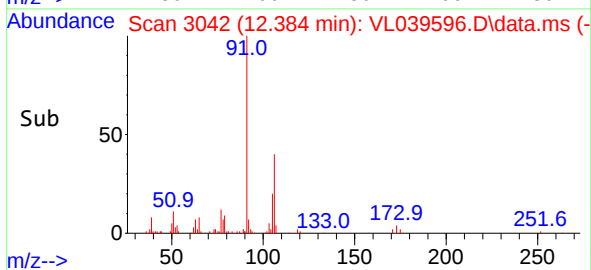
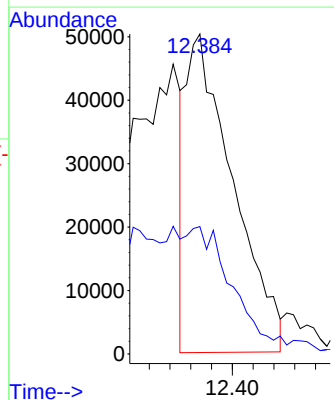
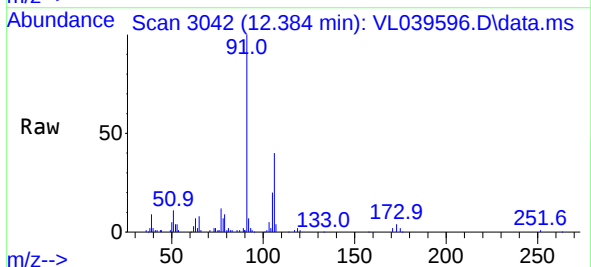
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2022

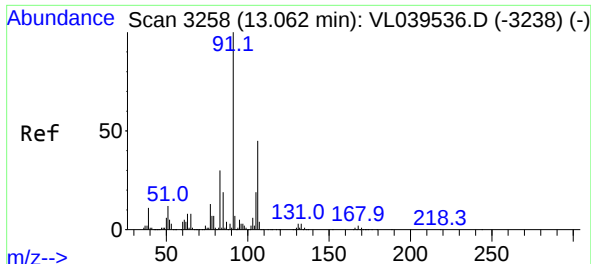
Tgt Ion: 91 Resp: 36119
Ion Ratio Lower Upper
91 100
106 25.4 25.4 38.0



#59
m/p-Xylene
Concen: 0.325 ppbv
RT: 12.384 min Scan# 3042
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 91 Resp: 78565
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

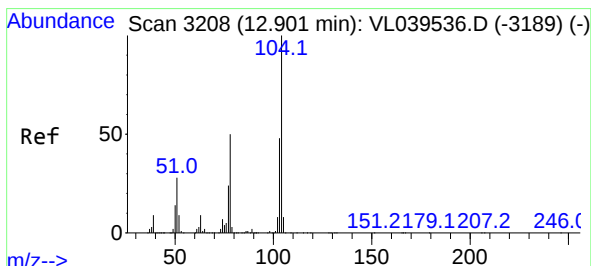
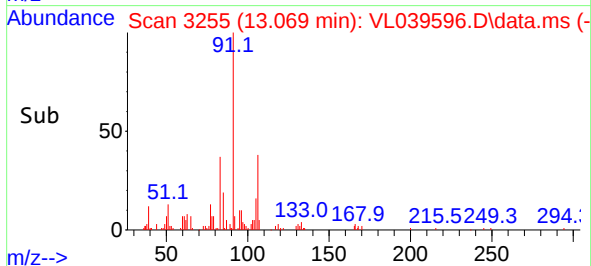
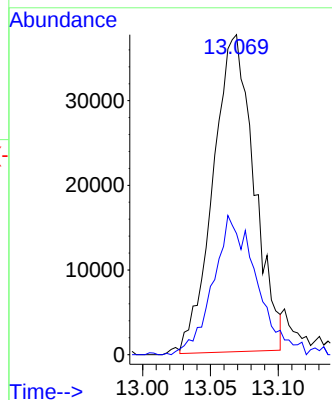
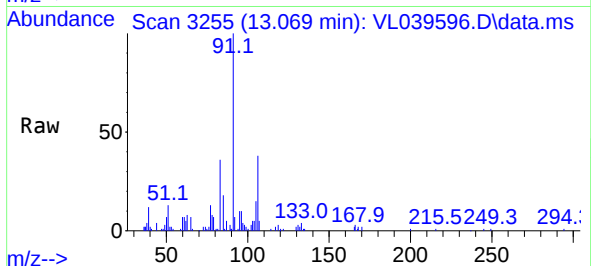




#60
o-Xylene
Concen: 0.339 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

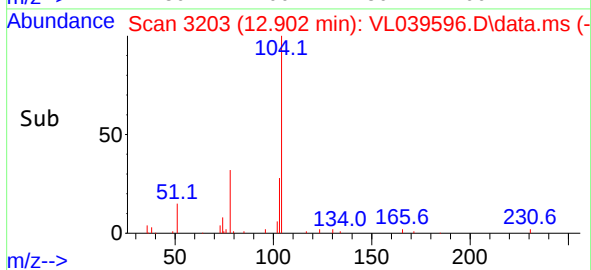
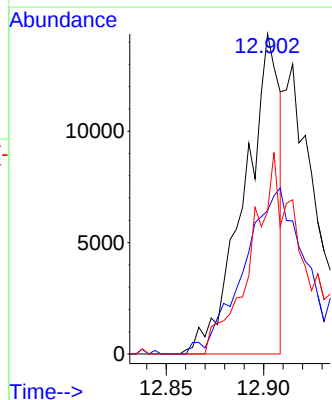
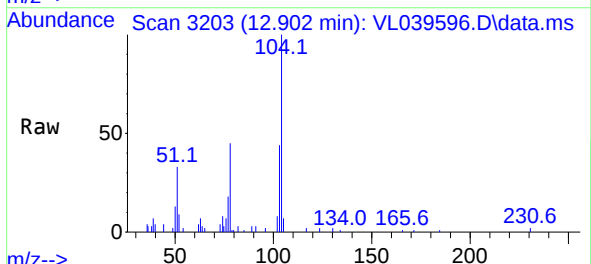
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

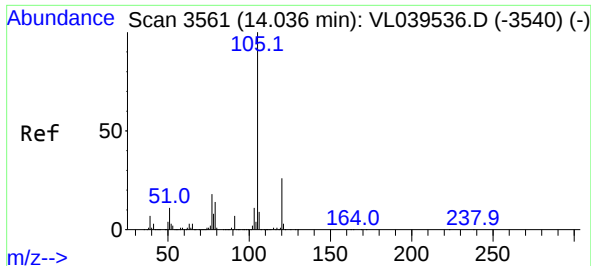
Tgt Ion: 91 Resp: 78711
Ion Ratio Lower Upper
91 100
106 47.5 22.4 67.3



#61
Styrene
Concen: 0.147 ppbv
RT: 12.902 min Scan# 3203
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 104 Resp: 18114
Ion Ratio Lower Upper
104 100
78 99.2 41.2 61.8#
103 96.0 38.7 58.1#





#62

Isopropylbenzene

Concen: 0.292 ppbv

RT: 14.037 min Scan# 3561

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

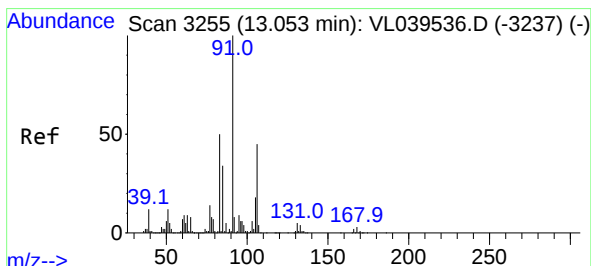
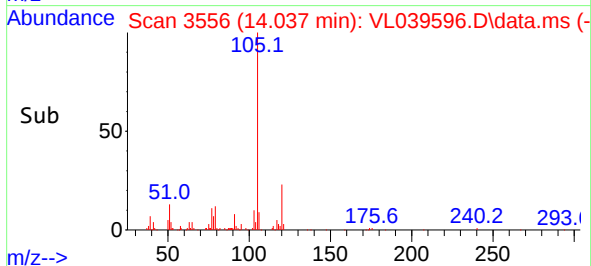
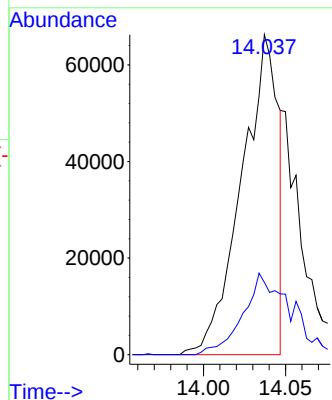
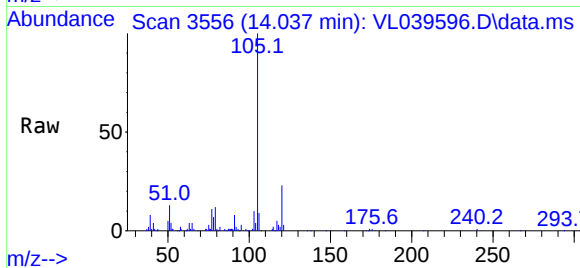
MDL-AIR-03-QT3-2022

Tgt Ion:105 Resp: 102486

Ion Ratio Lower Upper

105 100

120 34.1 20.7 31.1#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.423 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

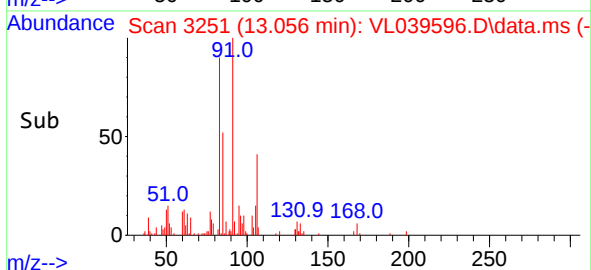
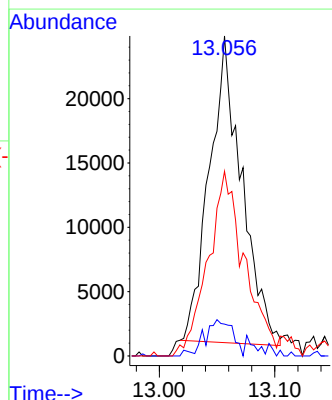
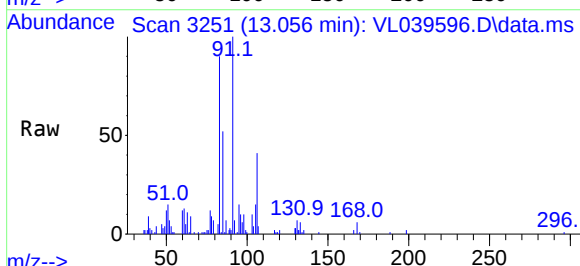
Tgt Ion: 83 Resp: 46540

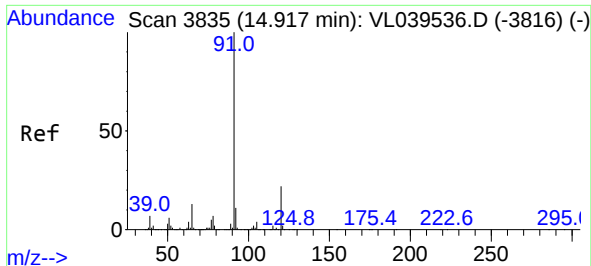
Ion Ratio Lower Upper

83 100

131 12.9 5.3 15.8

85 74.0 33.1 99.5

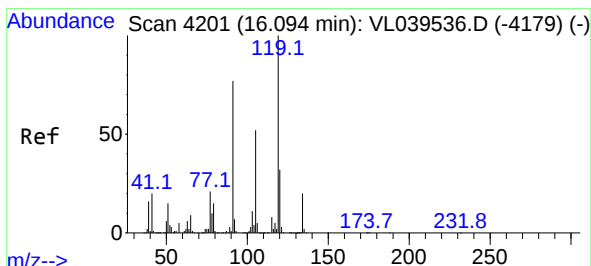
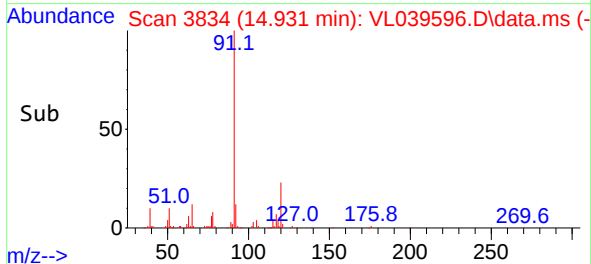
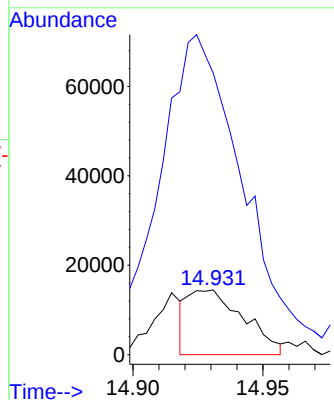
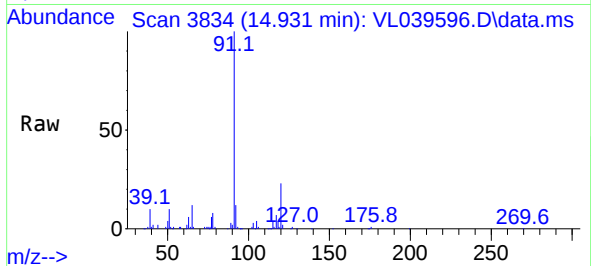




#64
n-propylbenzene
Concen: 0.238 ppbv
RT: 14.931 min Scan# 3835
Delta R.T. 0.014 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

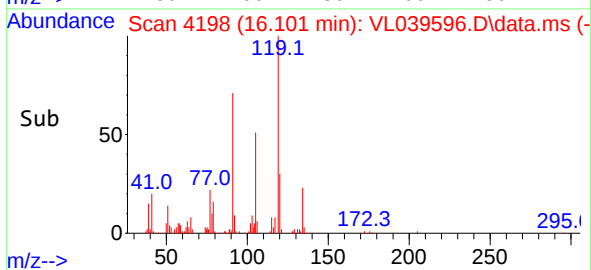
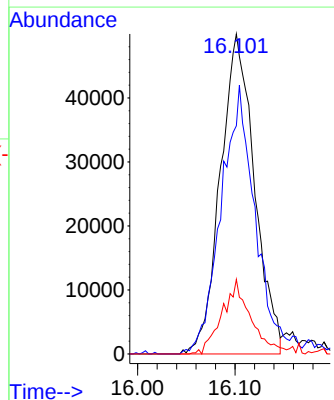
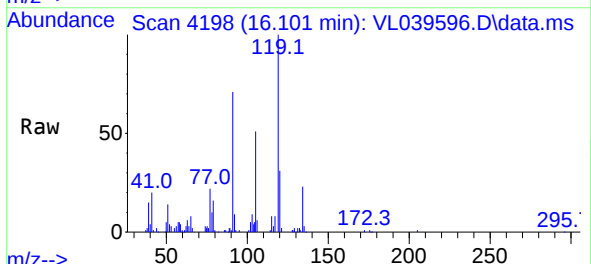
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

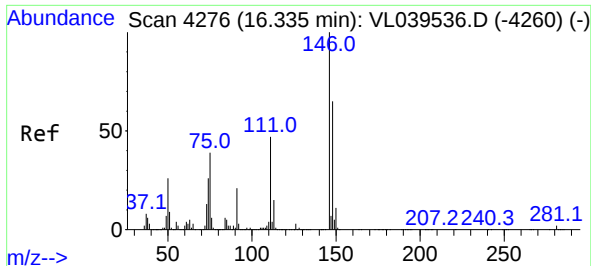
Tgt Ion:120 Resp: 21699
Ion Ratio Lower Upper
120 100
91 778.5 367.2 550.8#



#65
tert-Butylbenzene
Concen: 0.389 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:119 Resp: 121446
Ion Ratio Lower Upper
119 100
91 87.7 63.4 95.2
134 20.3 15.9 23.9

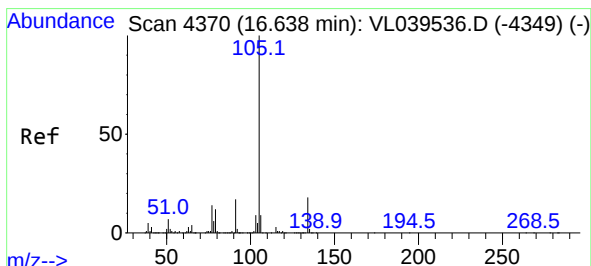
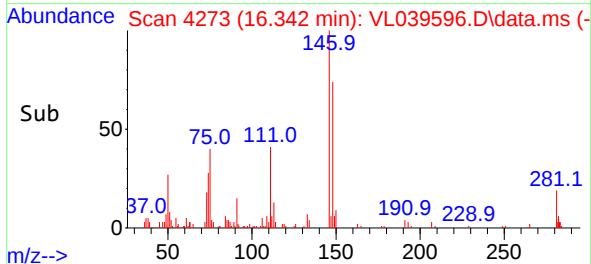
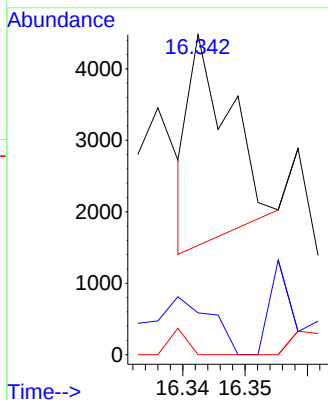
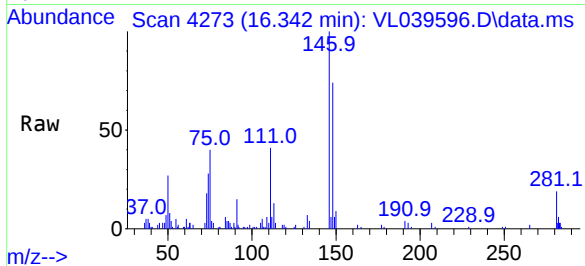




#66
Benzyl Chloride
Concen: 0.052 ppbv
RT: 16.342 min Scan# 4318
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

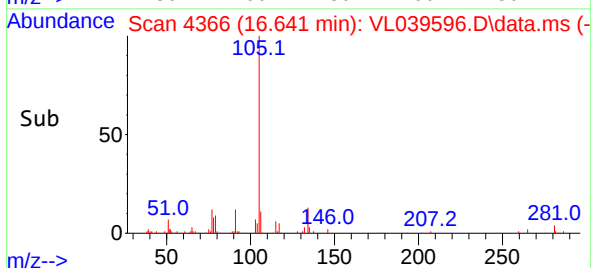
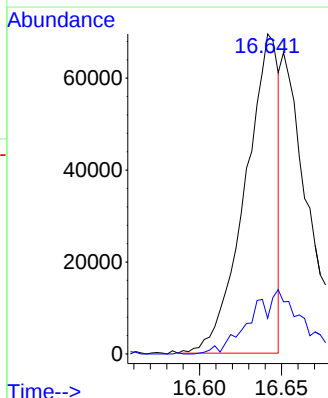
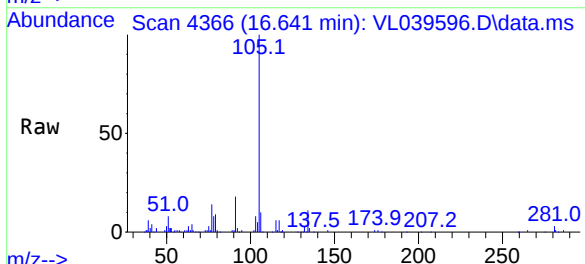
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

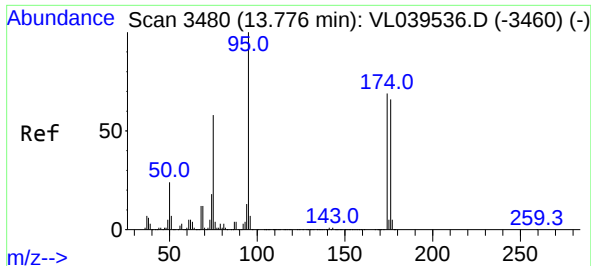
Tgt Ion: 91 Resp: 1318
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 8.2 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.221 ppbv
RT: 16.641 min Scan# 4366
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 105 Resp: 97640
Ion Ratio Lower Upper
105 100
134 0.0 14.8 22.2#

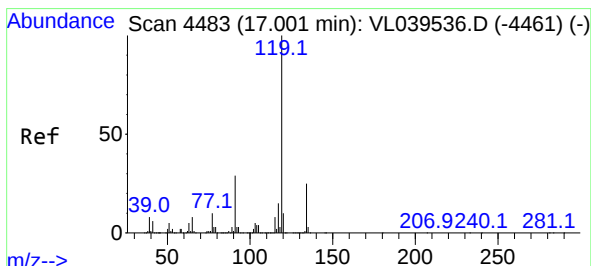
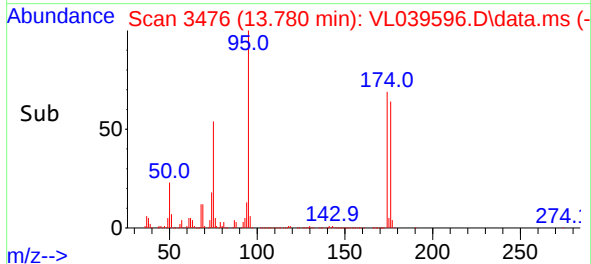
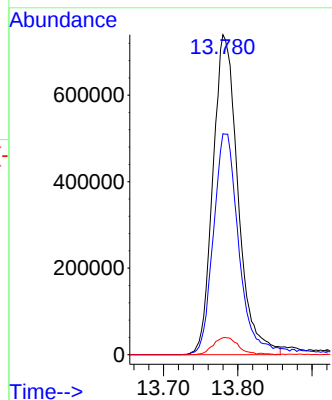
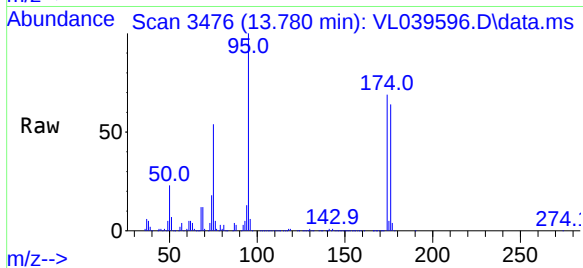




#68
1-Bromo-4-Fluorobenzene
Concen: 9.829 ppbv
RT: 13.780 min Scan# 3480
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

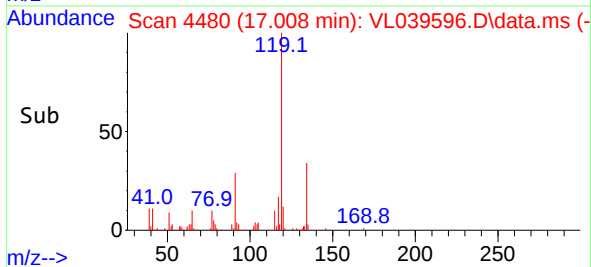
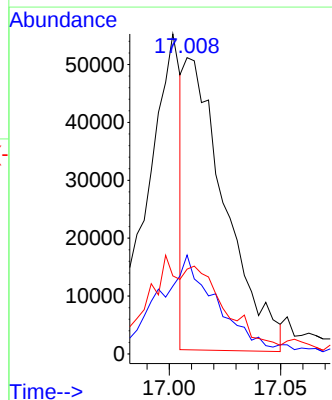
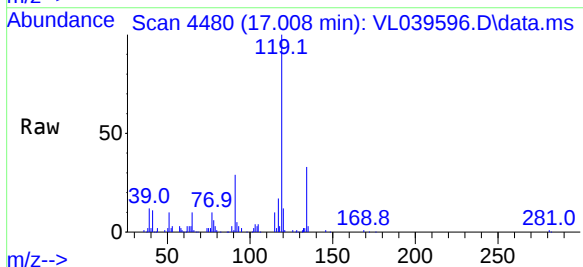
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2022

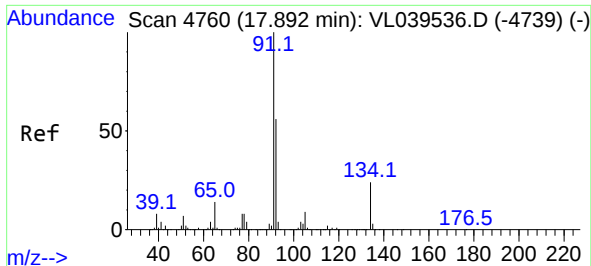
Tgt Ion: 95 Resp: 1739319
Ion Ratio Lower Upper
95 100
174 70.3 55.9 83.9
175 5.5 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.175 ppbv
RT: 17.008 min Scan# 4480
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 119 Resp: 64109
Ion Ratio Lower Upper
119 100
134 54.7 20.3 30.5#
91 0.0 22.9 34.3#

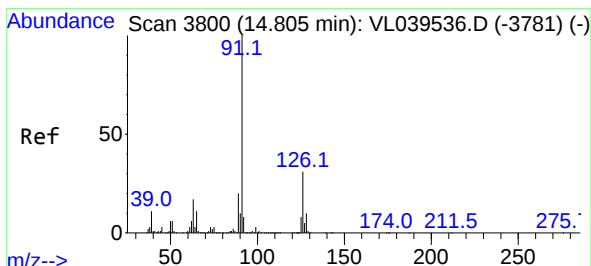
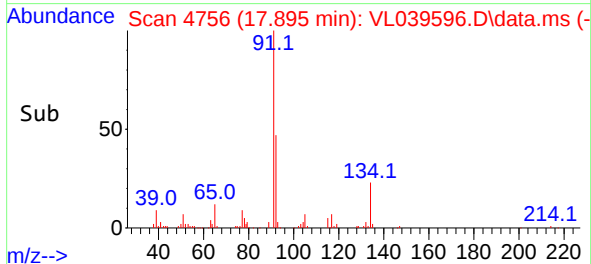
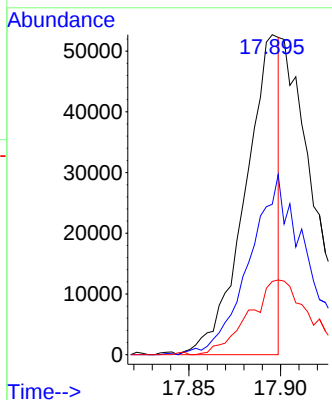
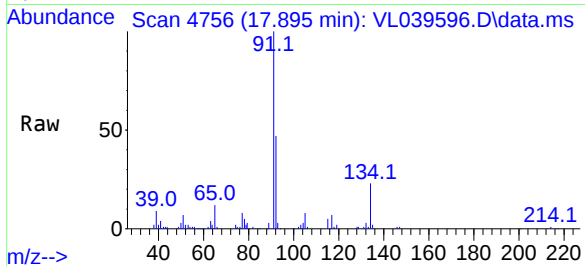




#70
n-Butylbenzene
Concen: 0.187 ppbv
RT: 17.895 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

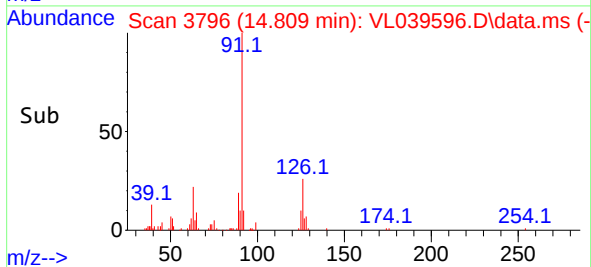
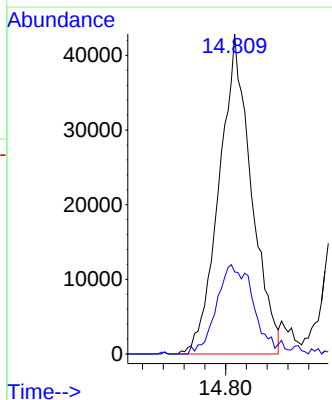
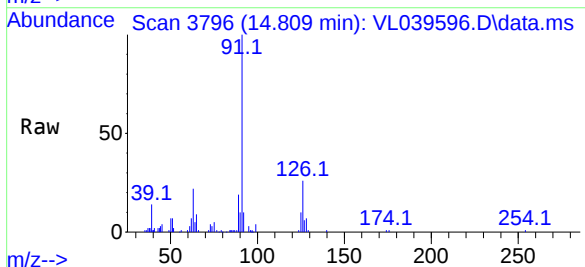
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT3-2022

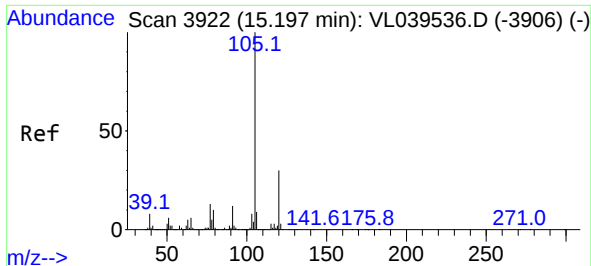
Tgt Ion: 91 Resp: 68136
Ion Ratio Lower Upper
91 100
92 99.3 43.4 65.2#
134 43.3 18.9 28.3#



#71
2-Chlorotoluene
Concen: 0.363 ppbv
RT: 14.809 min Scan# 3796
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 91 Resp: 92151
Ion Ratio Lower Upper
91 100
126 33.1 13.0 51.8

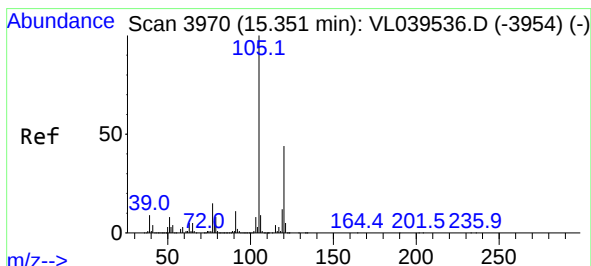
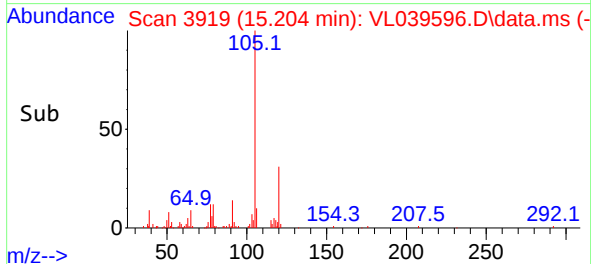
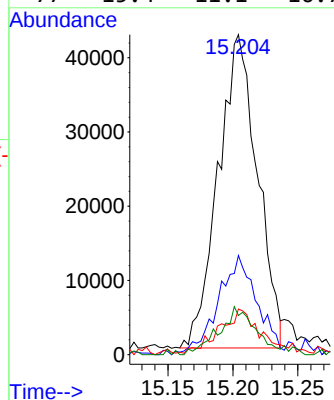
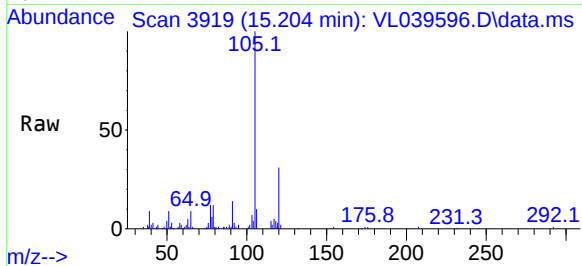




#72
4-Ethyltoluene
Concen: 0.326 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

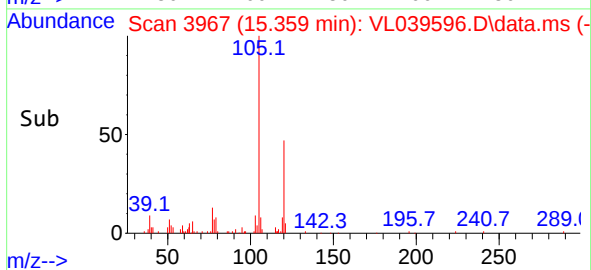
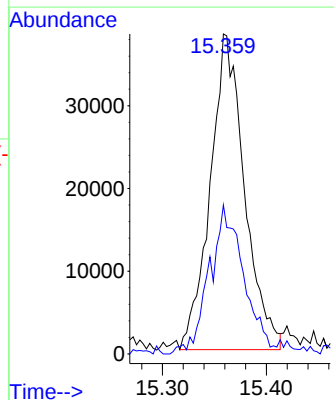
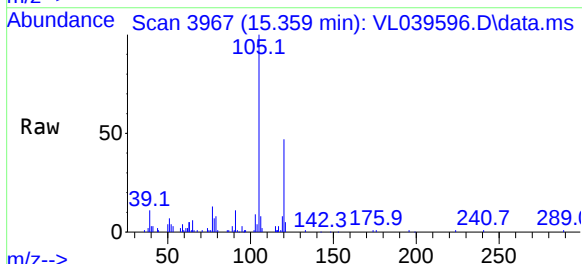
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

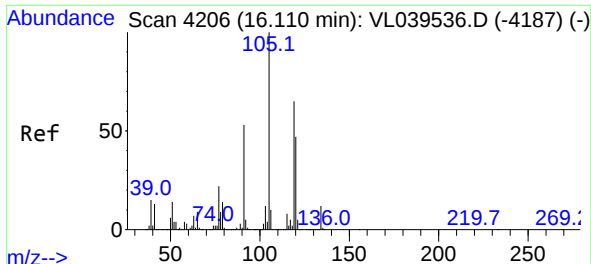
Tgt Ion:	105	Resp:	88526
Ion	Ratio	Lower	Upper
105	100		
120	34.8	24.2	36.2
91	17.0	10.2	15.4
77	15.4	11.1	16.7



#73
1,3,5-Trimethylbenzene
Concen: 0.353 ppbv
RT: 15.359 min Scan# 3967
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:	105	Resp:	87485
Ion	Ratio	Lower	Upper
105	100		
120	44.9	38.2	57.4

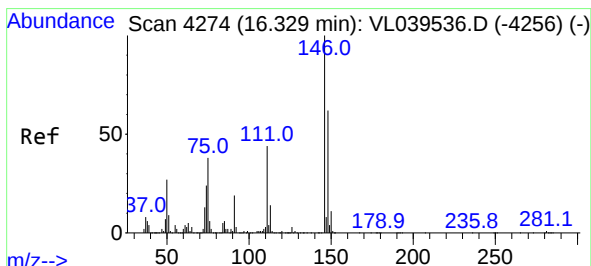
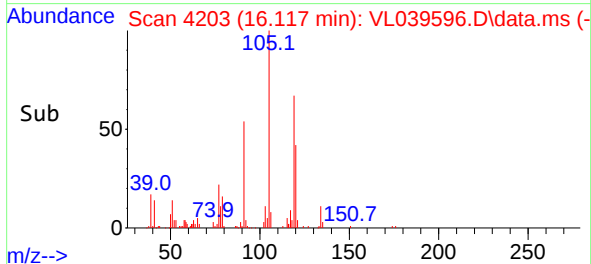
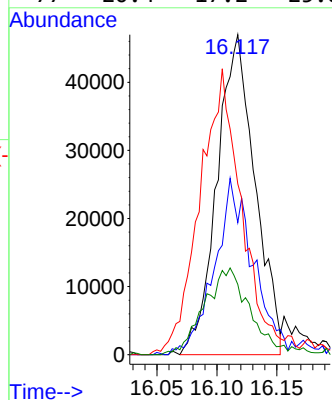
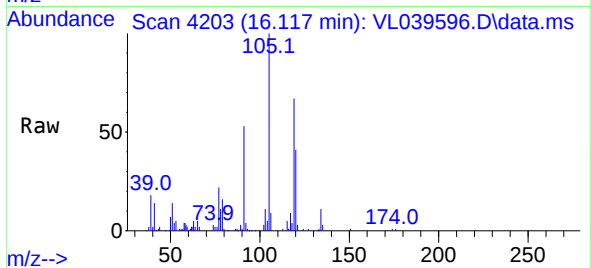




#74
1,2,4-Trimethylbenzene
Concen: 0.376 ppbv
RT: 16.117 min Scan# 4187
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

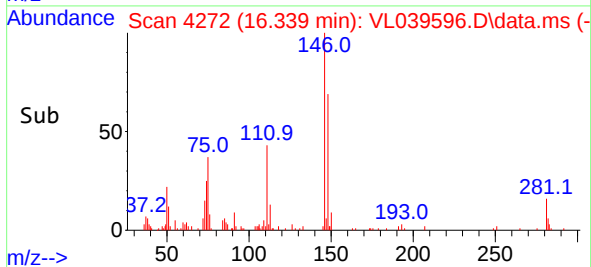
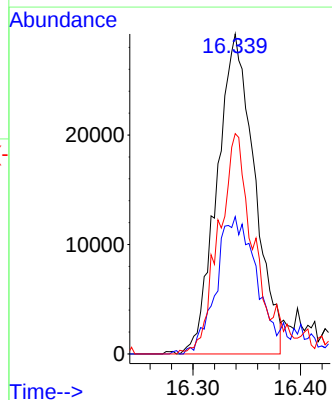
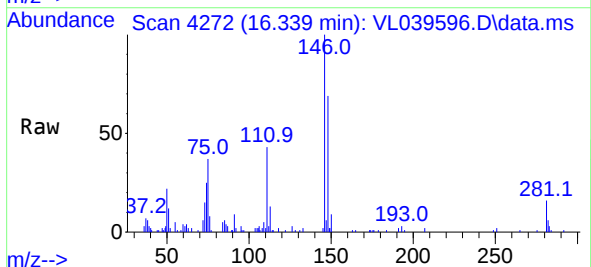
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

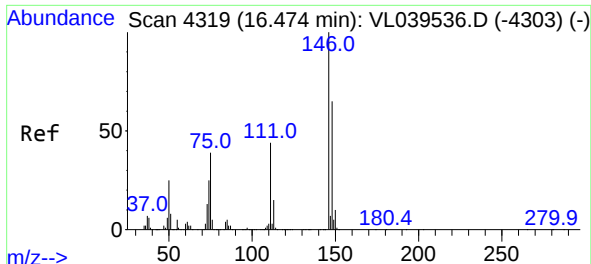
Tgt Ion:	105	Resp:	103876
Ion	Ratio	Lower	Upper
105	100		
120	38.5	39.5	59.3#
91	48.3	39.2	58.8
77	20.4	17.2	25.8



#75
1,3-Dichlorobenzene
Concen: 0.421 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:	146	Resp:	70767
Ion	Ratio	Lower	Upper
146	100		
111	51.9	22.9	68.7
148	68.0	32.1	96.5

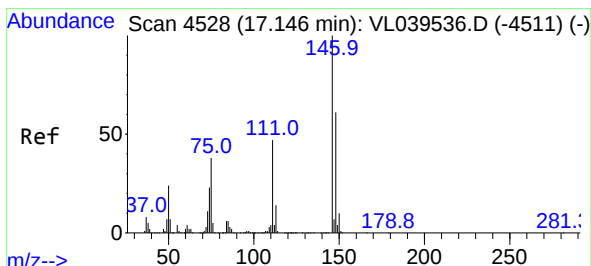
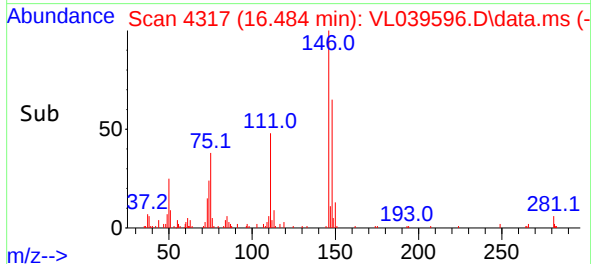
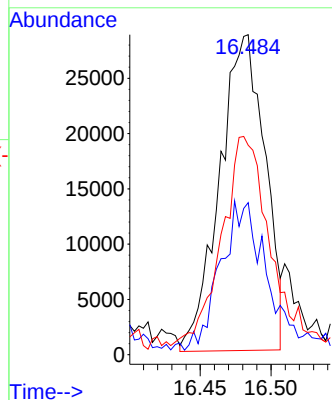
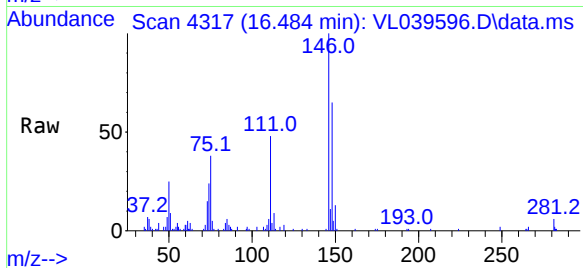




#76
1,4-Dichlorobenzene
Concen: 0.380 ppbv
RT: 16.484 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

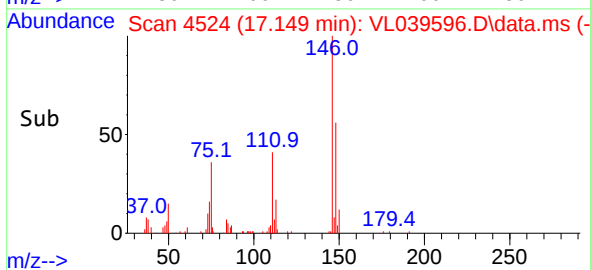
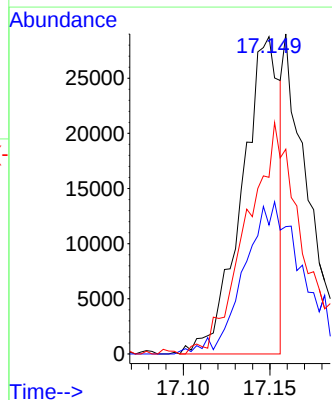
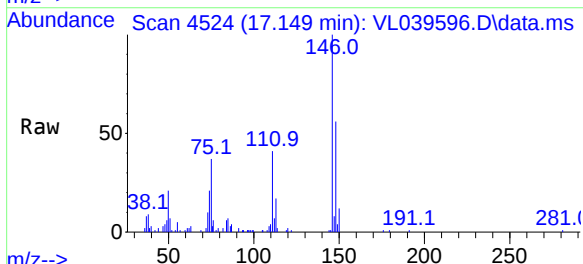
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

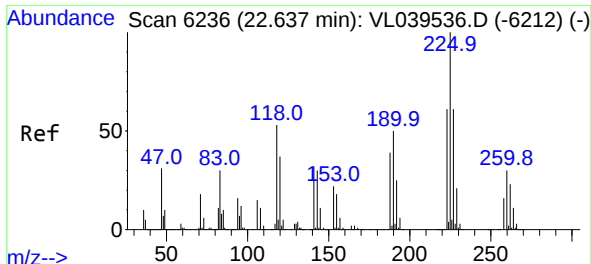
Tgt Ion:146 Resp: 63676
Ion Ratio Lower Upper
146 100
111 55.9 22.9 68.8
148 82.0 33.6 100.8



#77
1,2-Dichlorobenzene
Concen: 0.263 ppbv
RT: 17.149 min Scan# 4524
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:146 Resp: 43231
Ion Ratio Lower Upper
146 100
111 81.9 23.8 71.5#
148 116.2 32.3 96.8#

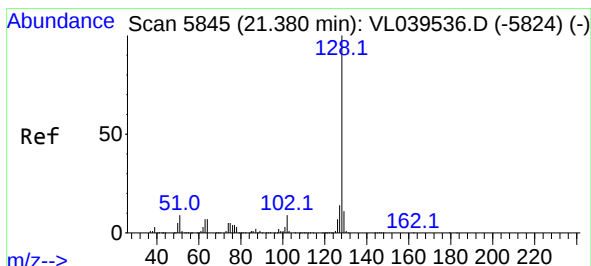
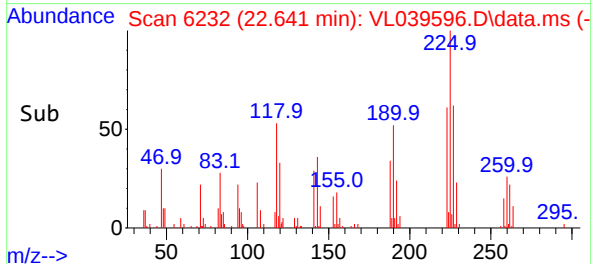
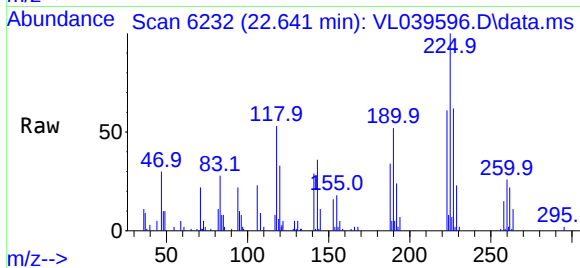




#78
Hexachloro-1,3-Butadiene
Concen: 0.140 ppbv
RT: 22.641 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

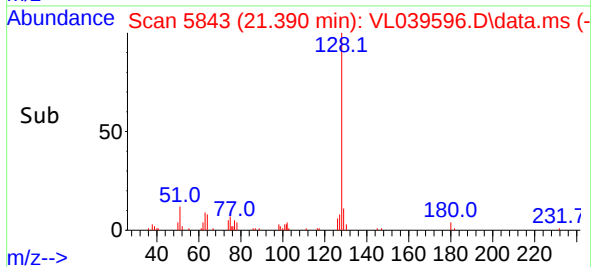
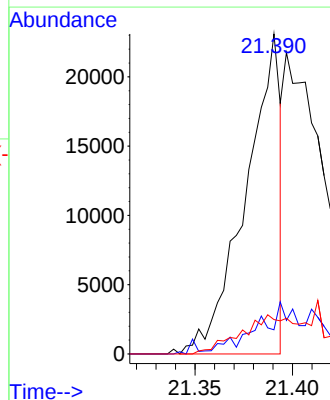
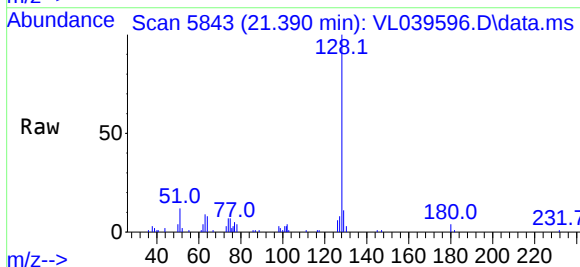
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

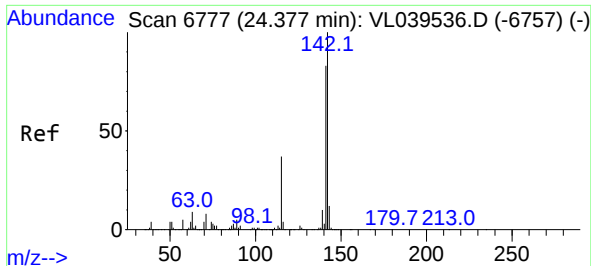
Tgt Ion:225 Resp: 18287
Ion Ratio Lower Upper
225 100
223 218.5 51.8 77.6#
227 227.6 51.4 77.2#



#79
Naphthalene
Concen: 0.145 ppbv
RT: 21.390 min Scan# 5843
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:128 Resp: 28505
Ion Ratio Lower Upper
128 100
127 6.8 10.6 15.8#
129 10.7 8.8 13.2

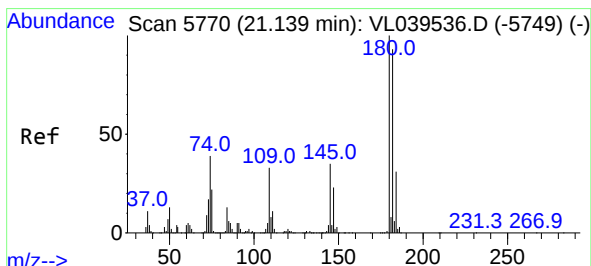
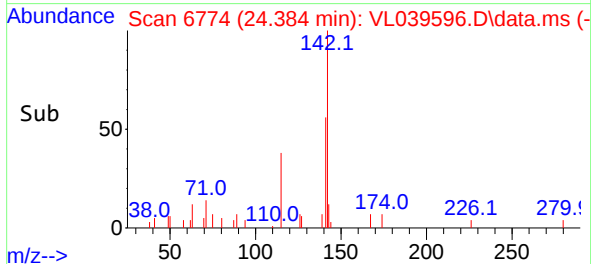
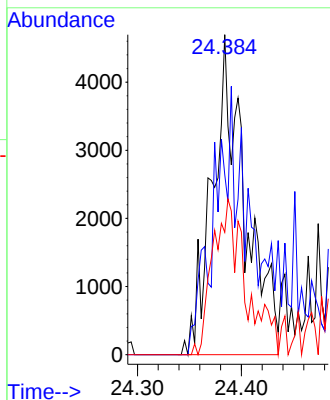
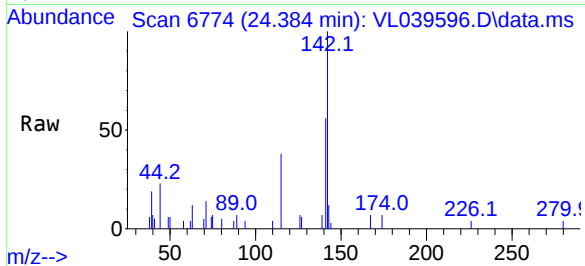




#80
Naphthalene, 2-methyl-
Concen: 0.128 ppbv
RT: 24.384 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion:142 Resp: 10212
Ion Ratio Lower Upper
142 100
141 108.6 68.9 103.3#
115 49.3 30.0 45.0#



#81
1,2,4-Trichlorobenzene
Concen: 0.142 ppbv
RT: 21.143 min Scan# 5766
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:180 Resp: 18609
Ion Ratio Lower Upper
180 100
182 0.0 77.1 115.7#
184 0.0 24.3 36.5#

