

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041238.D
 Acq On : 8 May 2024 11:18
 Operator : SY/MD
 Sample : P2403-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

Quant Time: May 09 04:49:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	824958	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2224017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.490	117	2064668	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1579457	10.133	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	81037	0.726	ppbv	97
3) Chlorodifluoromethane	2.697	51	72602	0.579	ppbv	98
4) Chloromethane	2.838	50	27685	0.563	ppbv	93
5) Vinyl Chloride	2.944	62	25786	0.522	ppbv	93
6) Bromomethane	3.144	94	8508	0.472	ppbv	88
7) Chloroethane	3.217	64	6418	0.368	ppbv	98
8) Dichlorotetrafluoroethane	2.877	85	66859	0.579	ppbv	98
9) Propene	2.716	41	27220	0.555	ppbv	92
10) Heptane	7.603	43	59459	0.501	ppbv	96
11) Trichlorofluoromethane	3.584	101	62240	0.549	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.092	101	43959	0.524	ppbv	99
13) Ethanol	3.275	45	1785	0.162	ppbv #	38
14) Bromoethene	3.385	108	8846	0.256	ppbv #	1
15) Acetone	3.504	43	63420	0.651	ppbv	96
16) 1,3-Butadiene	3.005	39	22780	0.464	ppbv	87
17) tert-Butyl alcohol	3.915	59	41649	0.397	ppbv #	91
18) 1,1-Dichloroethene	3.902	96	19543	0.523	ppbv	96
19) Isopropyl Alcohol	3.613	45	26888	0.421	ppbv #	52
20) Methylene Chloride	3.957	84	19952	0.589	ppbv	87
21) Allyl Chloride	4.021	41	31629	0.498	ppbv #	84
22) trans-1,2-Dichloroethene	4.465	96	9202	0.237	ppbv	93
23) Vinyl Acetate	4.658	43	43365	0.404	ppbv #	92
24) 1,1-Dichloroethane	4.584	63	41987	0.504	ppbv #	96
25) Ethyl Acetate	5.240	43	98312	0.506	ppbv	97
26) Hexane	5.237	57	43470	0.501	ppbv	95
27) Carbon Disulfide	4.150	76	49977	0.487	ppbv #	94
28) Methyl tert-Butyl Ether	4.623	73	32172	0.466	ppbv	92
29) Chloroform	5.298	83	72143	0.603	ppbv	90
30) Cyclohexane	6.629	84	34325	0.500	ppbv	87
31) cis-1,2-Dichloroethene	5.098	61	39796	0.490	ppbv #	88
32) 1,1,1-Trichloroethane	6.021	97	64386	0.539	ppbv	95
34) 2-Butanone	4.819	43	57349	0.507	ppbv	99
35) Carbon Tetrachloride	6.520	117	62065	0.497	ppbv	95
36) Benzene	6.397	78	88130	0.472	ppbv	93
37) 1,2-Dichloroethane	5.832	62	28000	0.288	ppbv #	77
38) Trichloroethene	7.311	130	16987	0.244	ppbv	85
39) 1,2-Dichloropropane	7.092	63	17089	0.238	ppbv	96
41) Tetrahydrofuran	5.603	42	17564	0.214	ppbv #	31
42) Bromodichloromethane	7.275	83	73074	0.523	ppbv #	82
43) Methyl Methacrylate	7.503	69	29600	0.392	ppbv #	83
44) 2,2,4-Trimethylpentane	7.349	57	156979	0.488	ppbv	97
45) t-1,3-Dichloropropene	8.712	75	1708	0.031	ppbv	90
46) cis-1,3-Dichloropropene	8.163	75	12147	0.181	ppbv	97

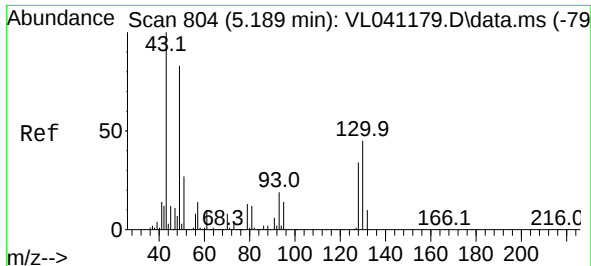
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041238.D
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 LOQ-AIR-02-QT2-2024

Quant Time: May 09 04:49:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.925	97	21960	0.305	ppbv	95
48) Dibromochloromethane	9.741	129	19696	0.172	ppbv #	1
49) Bromoform	12.429	173	41297	0.423	ppbv	98
50) 4-Methyl-2-Pentanone	8.227	43	86800	0.427	ppbv	97
51) 2-Hexanone	9.587	43	15806	0.105	ppbv #	29
52) Tetrachloroethene	10.638	164	23854	0.364	ppbv	91
53) Toluene	9.246	91	104675	0.484	ppbv	95
54) 1,2-Dibromoethane	10.034	107	47984	0.492	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.532	131	45607	0.545	ppbv #	1
57) Chlorobenzene	11.548	112	80353	0.531	ppbv	97
58) Ethyl Benzene	12.114	91	133372	0.471	ppbv	95
59) m/p-Xylene	12.394	91	113628	0.478	ppbv #	26
60) o-Xylene	13.085	91	116243	0.521	ppbv	97
61) Styrene	12.925	104	52413	0.445	ppbv	99
62) Isopropylbenzene	14.050	105	177158	0.531	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	51713	0.340	ppbv #	24
64) n-propylbenzene	14.947	120	20040	0.241	ppbv #	1
65) tert-Butylbenzene	16.111	119	74663	0.250	ppbv #	17
66) Benzyl Chloride	16.368	91	2734	0.081	ppbv #	56
67) sec-Butylbenzene	16.657	105	121232	0.288	ppbv #	68
69) p-Isopropyltoluene	17.021	119	95831	0.276	ppbv #	49
70) n-Butylbenzene	17.918	91	173498	0.479	ppbv	97
71) 2-Chlorotoluene	14.828	91	131554	0.518	ppbv	100
72) 4-Ethyltoluene	15.217	105	123690	0.490	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.378	105	108649	0.475	ppbv	97
74) 1,2,4-Trimethylbenzene	16.127	105	58379	0.234	ppbv	96
75) 1,3-Dichlorobenzene	16.358	146	75970	0.531	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	72564	0.527	ppbv	91
77) 1,2-Dichlorobenzene	17.165	146	33330	0.233	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.657	225	32839	0.258	ppbv #	16
79) Naphthalene	21.413	128	38425	0.162	ppbv	96
80) Naphthalene,2-methyl-	24.429	142	3546	0.037	ppbv #	31
81) 1,2,4-Trichlorobenzene	21.169	180	27208	0.217	ppbv #	14

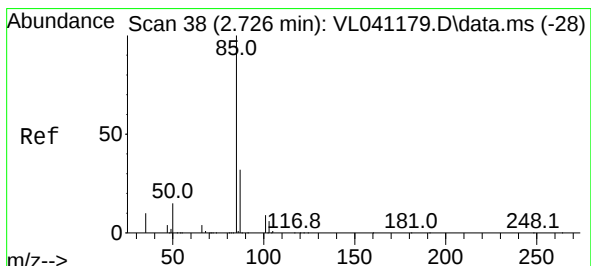
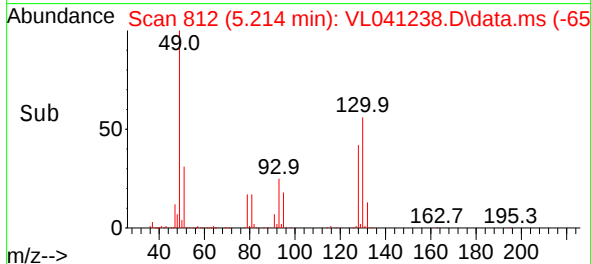
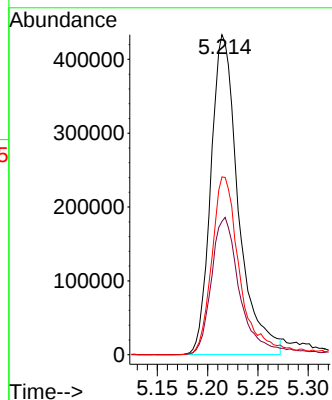
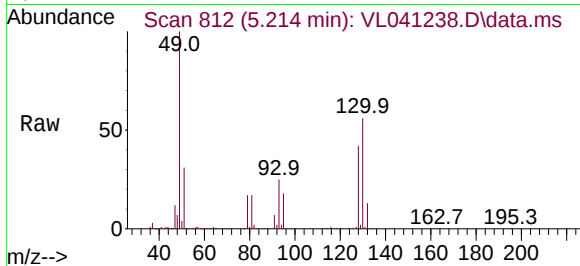
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

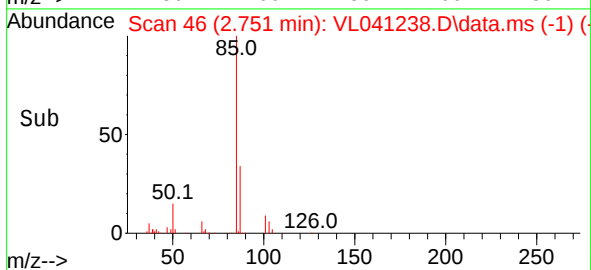
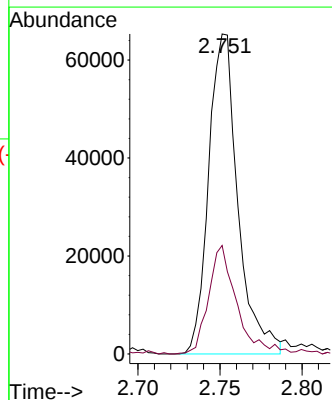
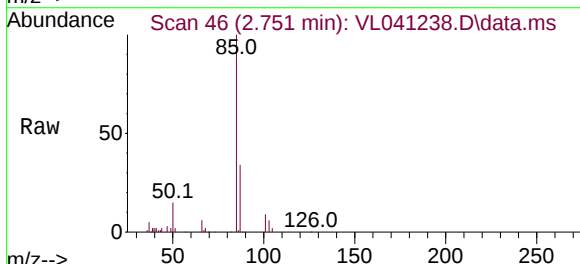
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

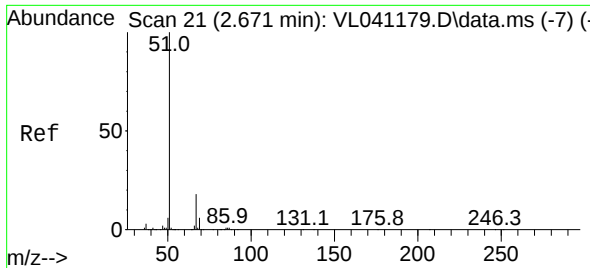
Tgt Ion: 49 Resp: 824958
 Ion Ratio Lower Upper
 49 100
 128 46.6 21.5 64.5
 130 59.8 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.726 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.006 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

Tgt Ion: 85 Resp: 81037
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.7 38.5

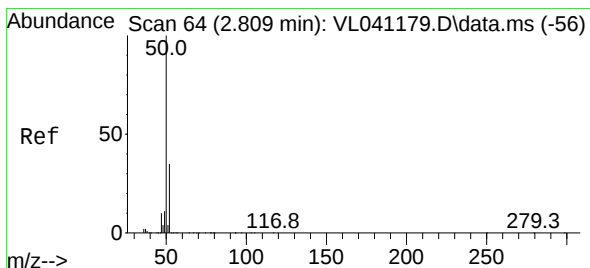
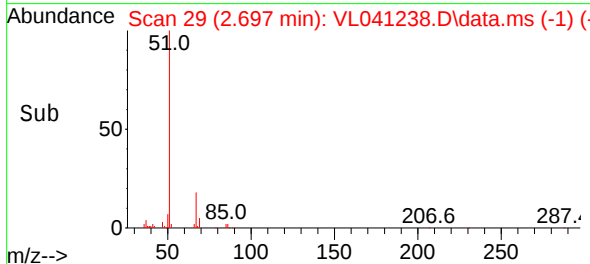
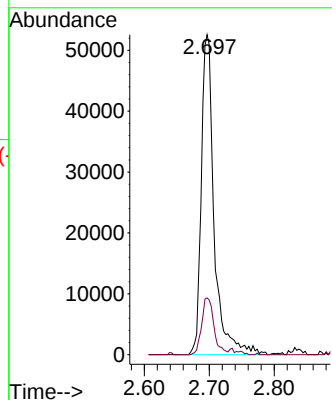
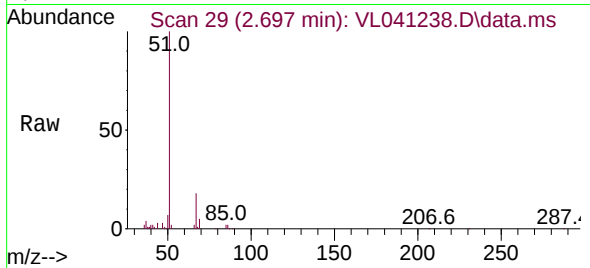




#3
Chlorodifluoromethane
Concen: 0.579 ppbv
RT: 2.697 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

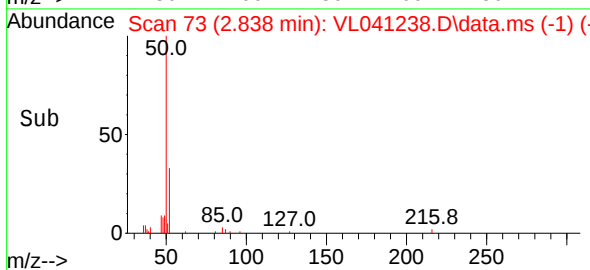
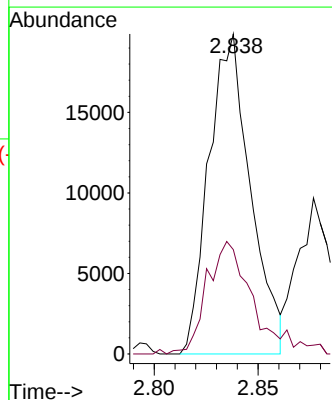
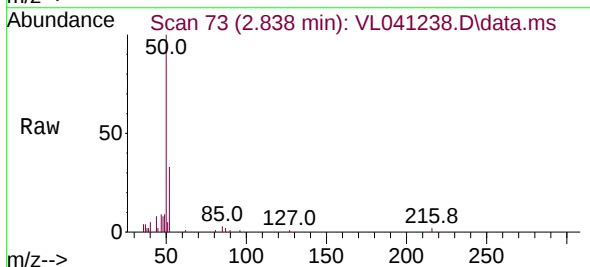
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ClientSampleId :
LOQ-AIR-02-QT2-2024

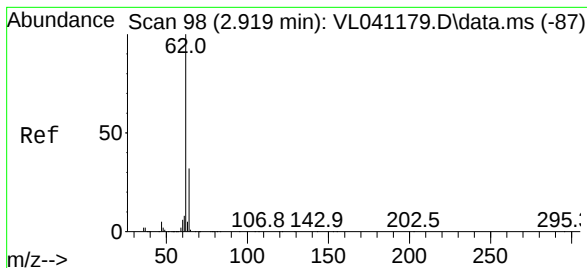
Tgt Ion: 51 Resp: 72602
Ion Ratio Lower Upper
51 100
67 18.2 14.0 21.0



#4
Chloromethane
Concen: 0.563 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.006 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

Tgt Ion: 50 Resp: 27685
Ion Ratio Lower Upper
50 100
52 31.4 28.3 42.5

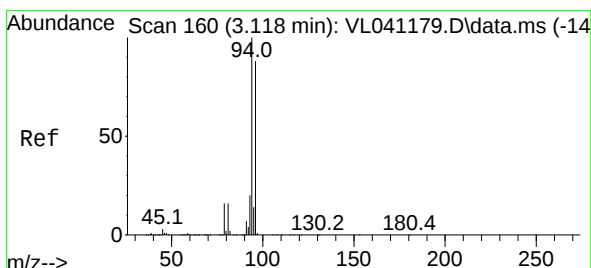
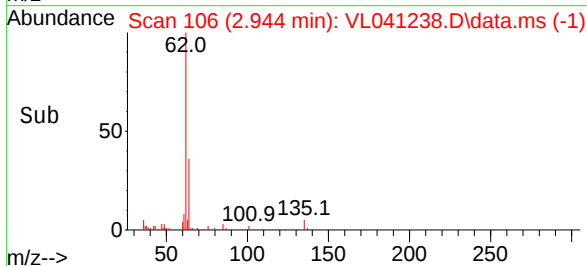
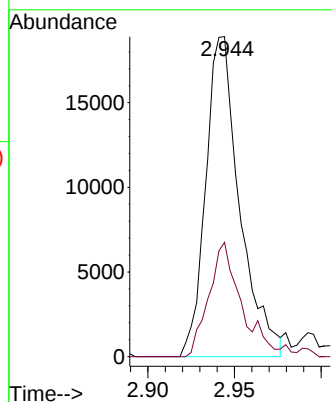
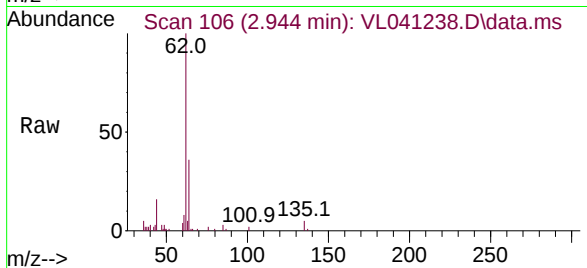




#5
 Vinyl Chloride
 Concen: 0.522 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.006 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

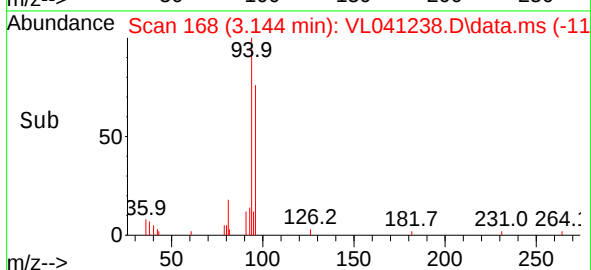
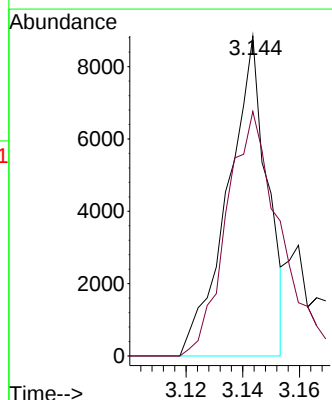
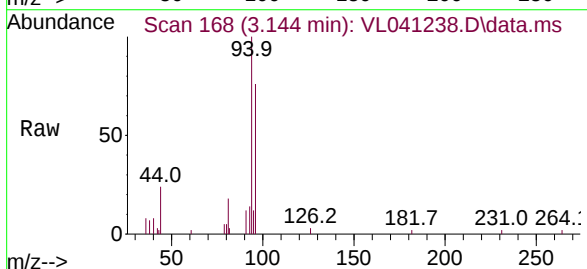
Instrument :
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 ClientSampleId :
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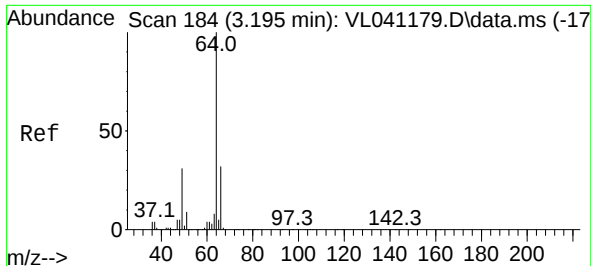
Tgt Ion: 62 Resp: 25786
 Ion Ratio Lower Upper
 62 100
 64 35.7 25.7 38.5



#6
 Bromomethane
 Concen: 0.472 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.006 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

Tgt Ion: 94 Resp: 8508
 Ion Ratio Lower Upper
 94 100
 96 76.4 70.1 105.1

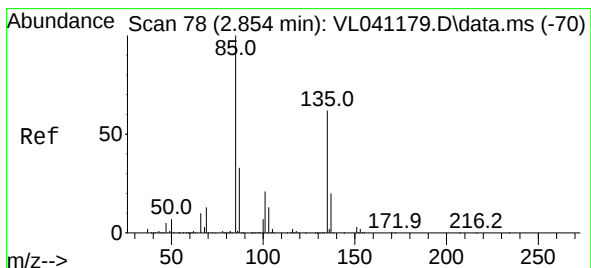
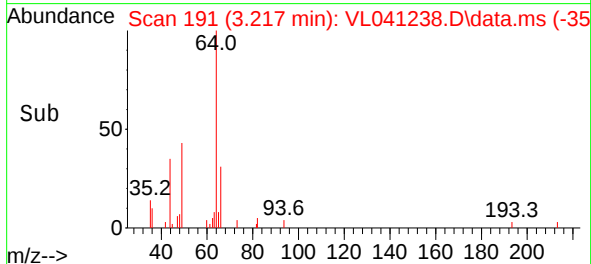
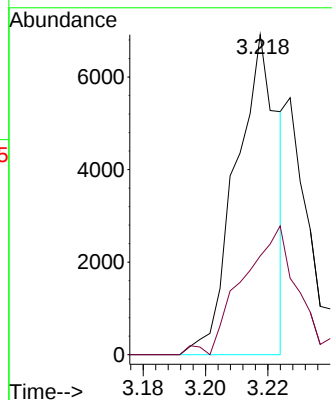
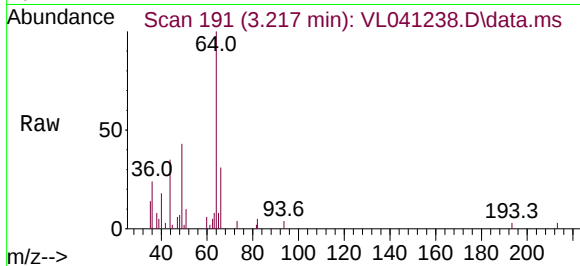




#7
Chloroethane
Concen: 0.368 ppbv
RT: 3.217 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

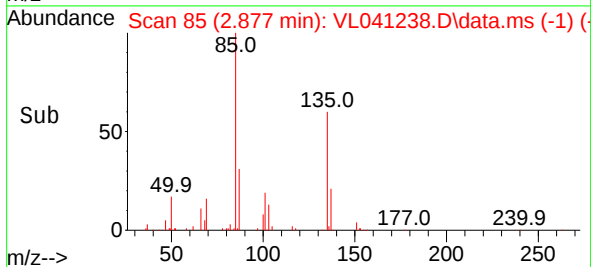
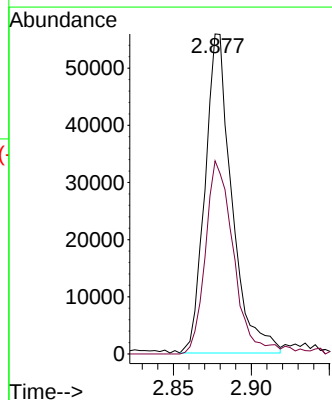
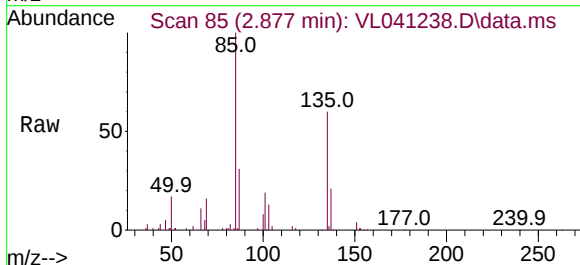
Instrument :
MSVOA_L
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LOQ-AIR-02-QT2-2024

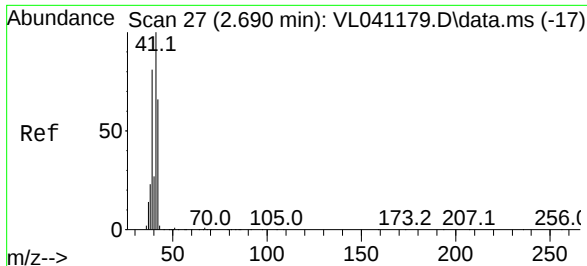
Tgt Ion: 64 Resp: 6418
Ion Ratio Lower Upper
64 100
66 30.8 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.579 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.003 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

Tgt Ion: 85 Resp: 66859
Ion Ratio Lower Upper
85 100
135 66.0 51.5 77.3





#9

Propene

Concen: 0.555 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

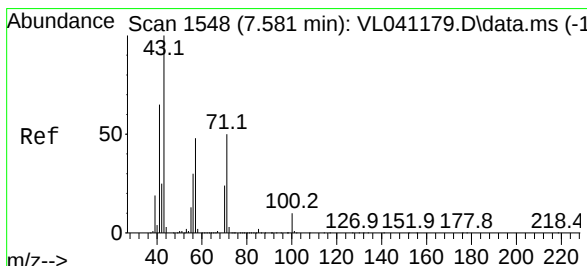
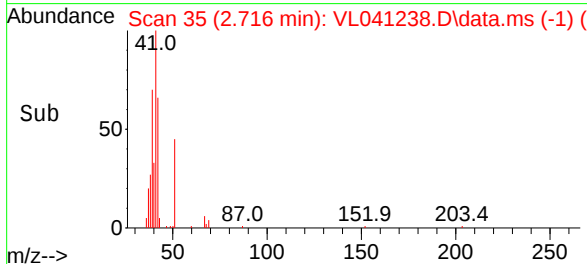
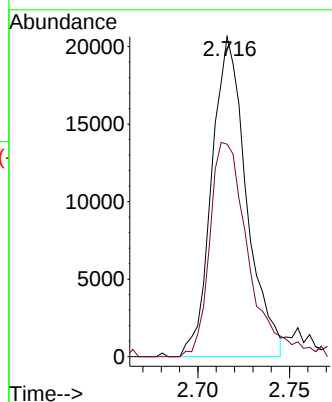
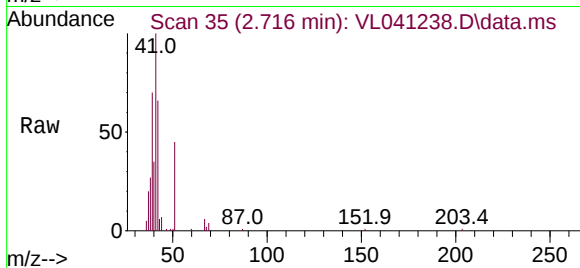
LOQ-AIR-02-QT2-2024

Tgt Ion: 41 Resp: 27220

Ion Ratio Lower Upper

41 100

42 75.5 55.3 82.9



#10

Heptane

Concen: 0.501 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.003 min

Lab File: VL041238.D

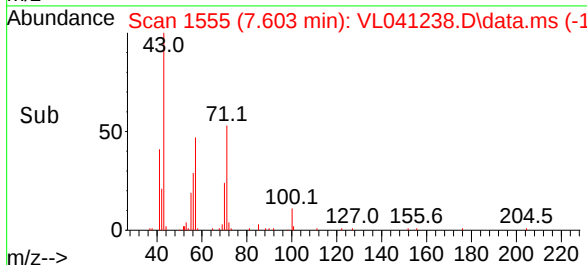
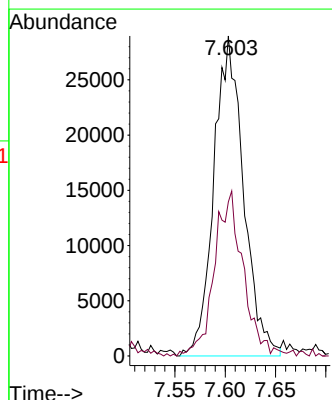
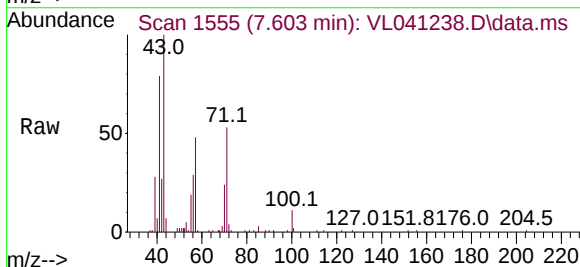
Acq: 8 May 2024 11:18

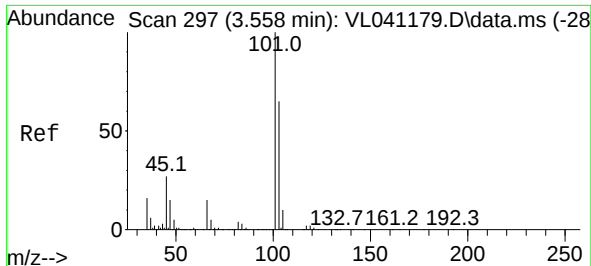
Tgt Ion: 43 Resp: 59459

Ion Ratio Lower Upper

43 100

57 50.9 38.7 58.1

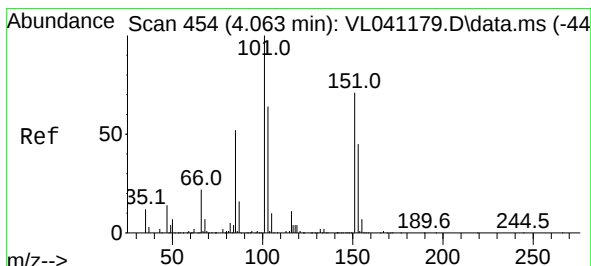
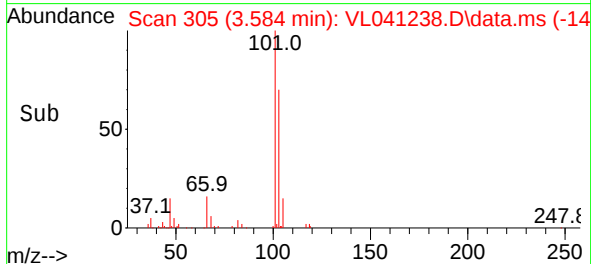
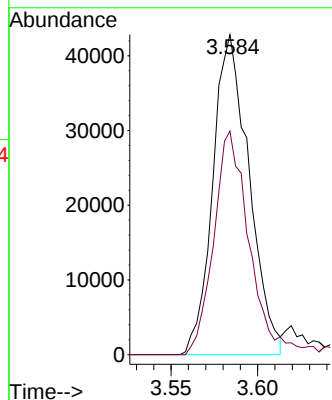
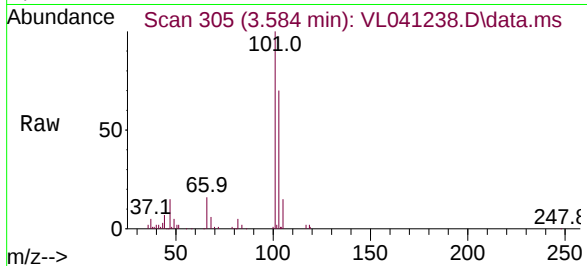




#11
 Trichlorofluoromethane
 Concen: 0.549 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.003 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

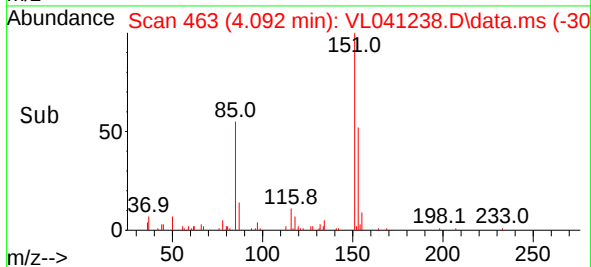
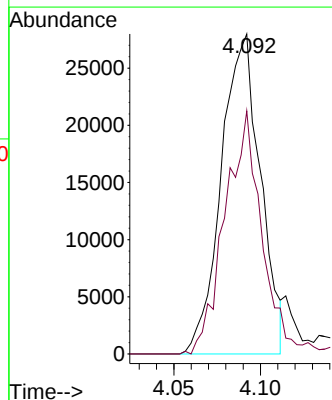
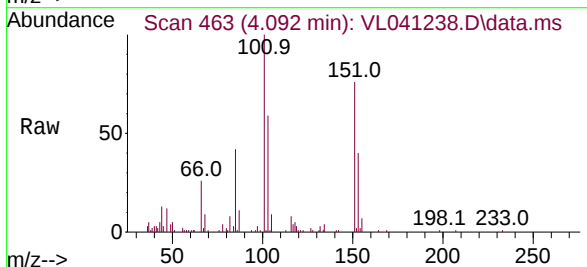
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

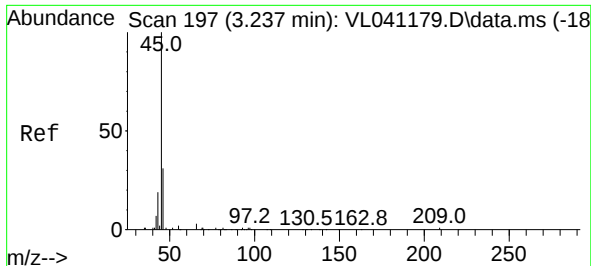
Tgt Ion:101 Resp: 62240
 Ion Ratio Lower Upper
 101 100
 103 69.9 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.524 ppbv
 RT: 4.092 min Scan# 463
 Delta R.T. 0.010 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

Tgt Ion:101 Resp: 43959
 Ion Ratio Lower Upper
 101 100
 151 71.8 56.8 85.2





#13

Ethanol

Concen: 0.162 ppbv

RT: 3.275 min Scan# 209

Delta R.T. 0.019 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

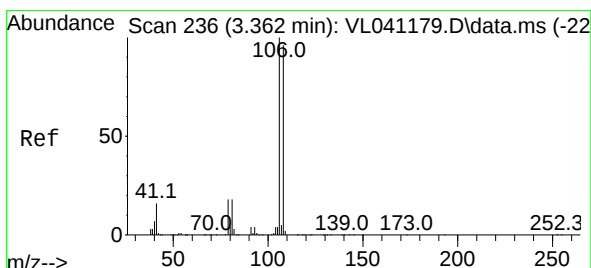
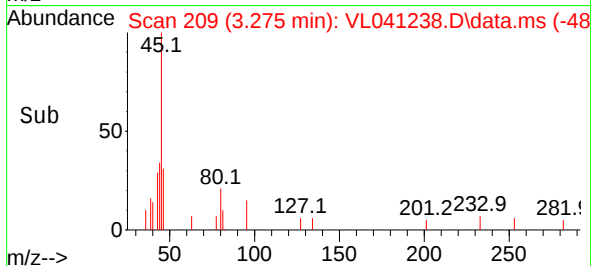
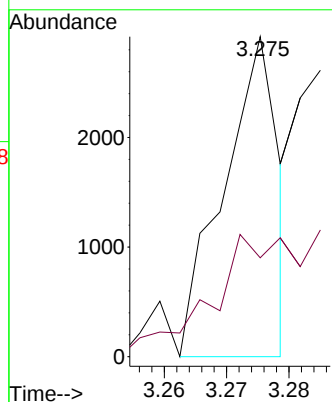
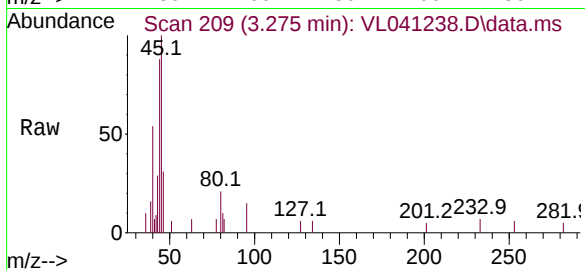
LOQ-AIR-02-QT2-2024

Tgt Ion: 45 Resp: 1785

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#14

Bromoethene

Concen: 0.256 ppbv

RT: 3.385 min Scan# 243

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

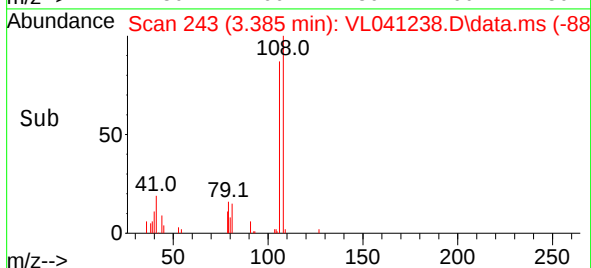
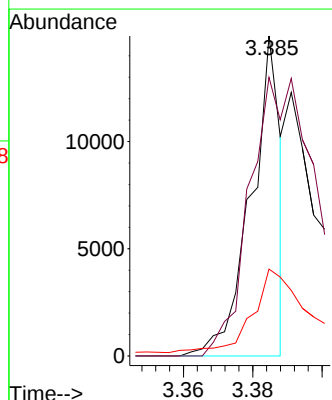
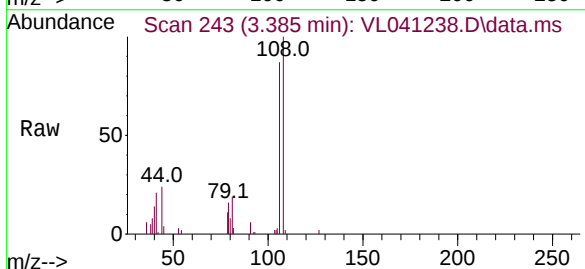
Tgt Ion: 108 Resp: 8846

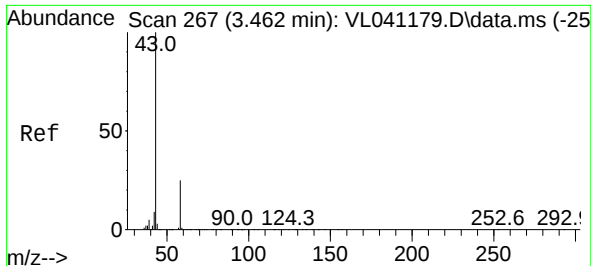
Ion Ratio Lower Upper

108 100

106 229.2 88.2 132.4#

79 66.5 17.4 26.0#

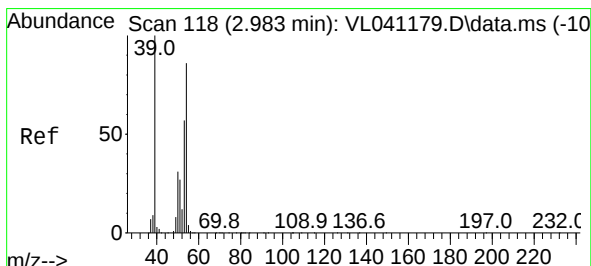
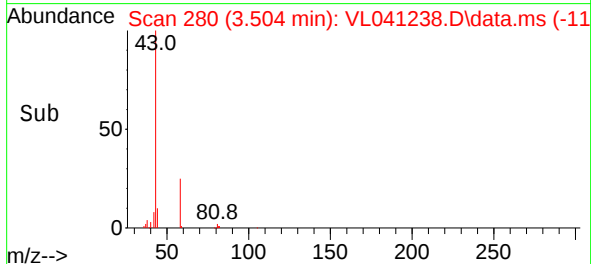
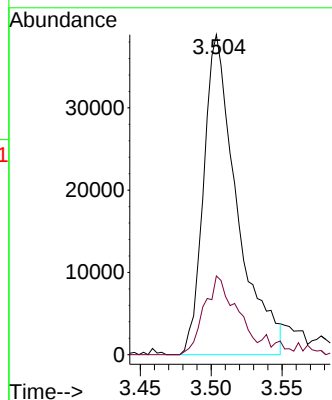
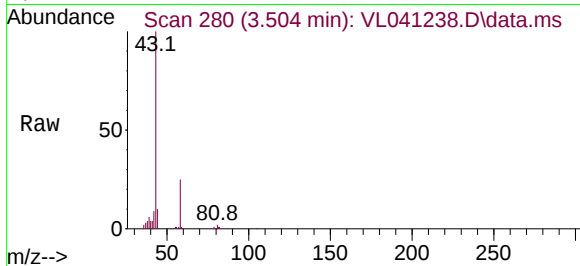




#15
Acetone
Concen: 0.651 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

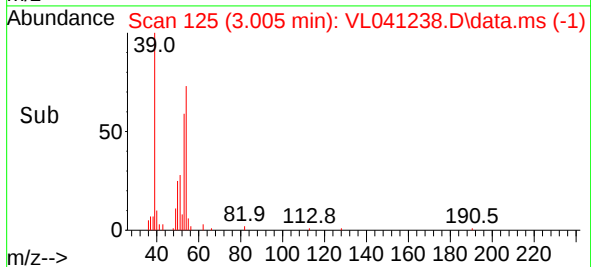
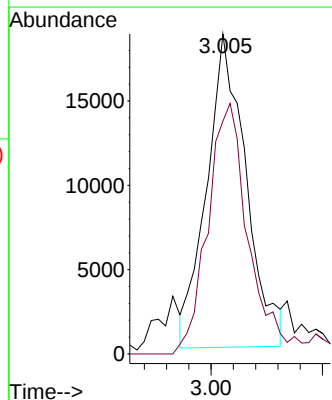
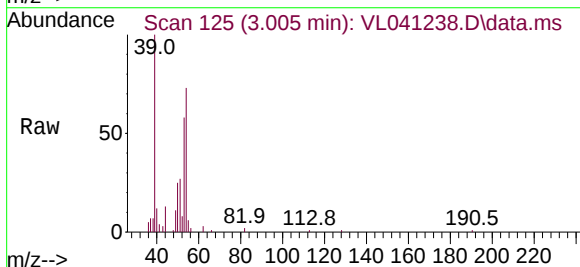
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

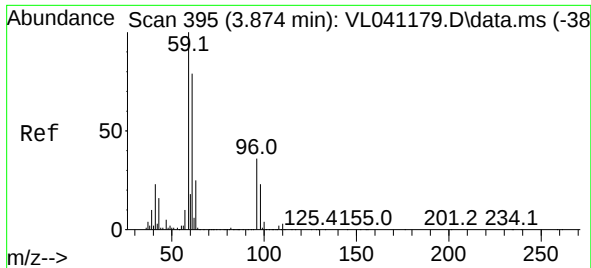
Tgt Ion: 43 Resp: 63420
Ion Ratio Lower Upper
43 100
58 28.7 21.4 32.0



#16
1,3-Butadiene
Concen: 0.464 ppbv
RT: 3.005 min Scan# 125
Delta R.T. 0.003 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

Tgt Ion: 39 Resp: 22780
Ion Ratio Lower Upper
39 100
54 88.7 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.397 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.019 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

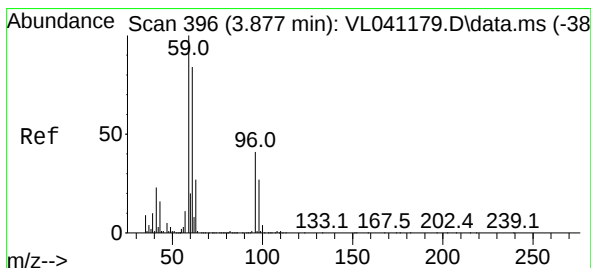
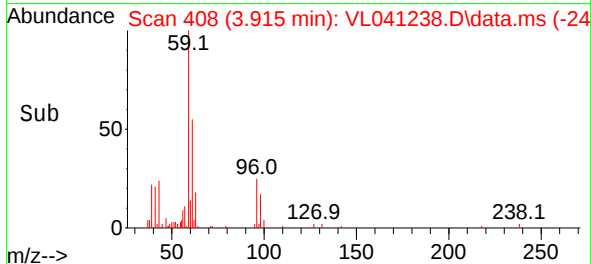
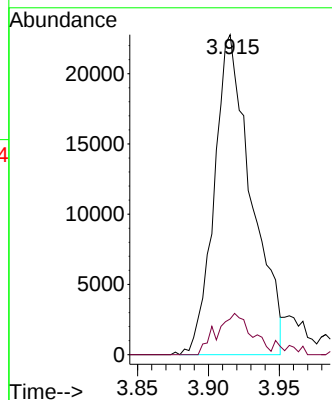
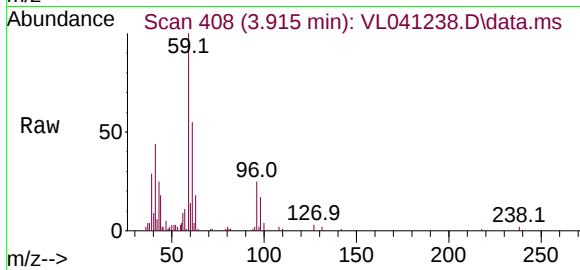
LOQ-AIR-02-QT2-2024

Tgt Ion: 59 Resp: 41649

Ion Ratio Lower Upper

59 100

57 14.0 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.523 ppbv

RT: 3.902 min Scan# 404

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

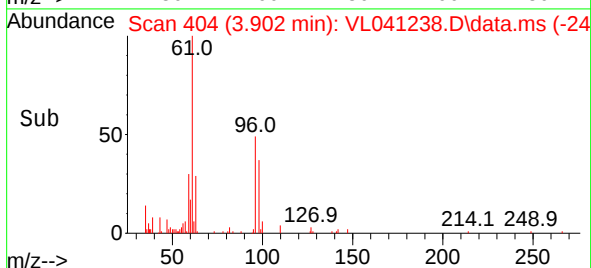
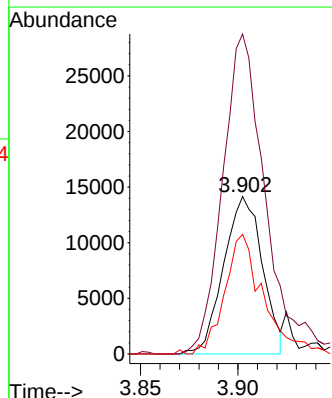
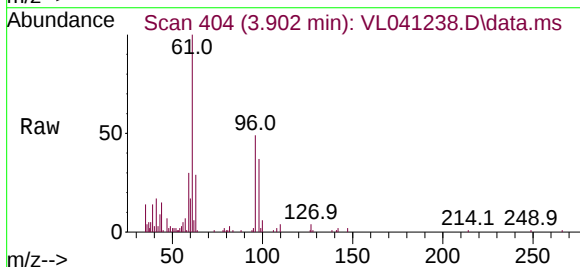
Tgt Ion: 96 Resp: 19543

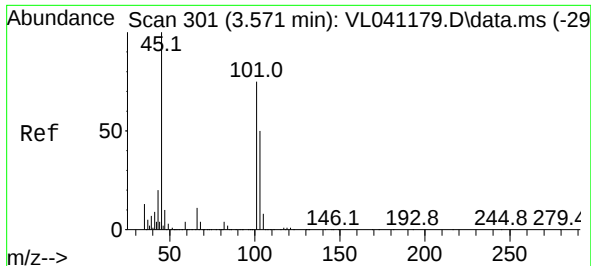
Ion Ratio Lower Upper

96 100

61 203.2 164.4 246.6

98 73.4 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.421 ppbv

RT: 3.613 min Scan# 314

Delta R.T. 0.022 min

Lab File: VL041238.D

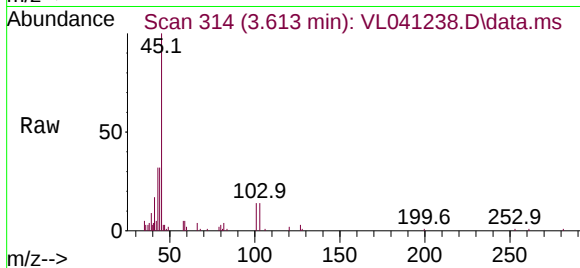
Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

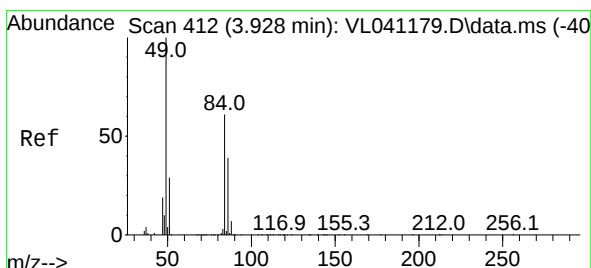
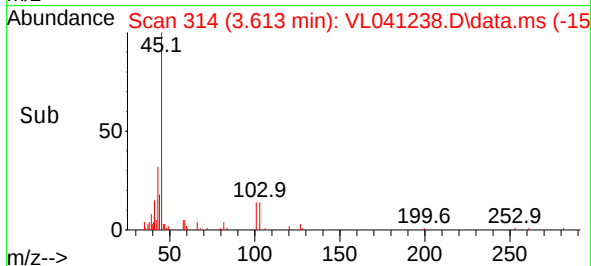
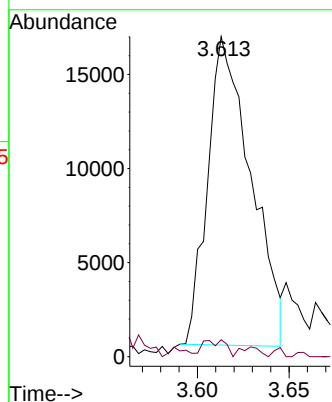


Tgt Ion: 45 Resp: 26888

Ion Ratio Lower Upper

45 100

58 6.1 26.8 40.2#



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Tgt Ion: 84 Resp: 19952

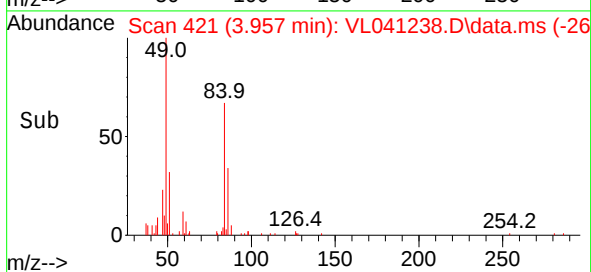
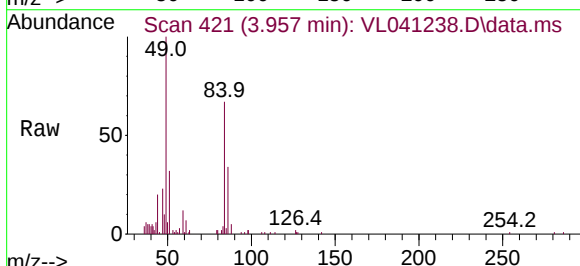
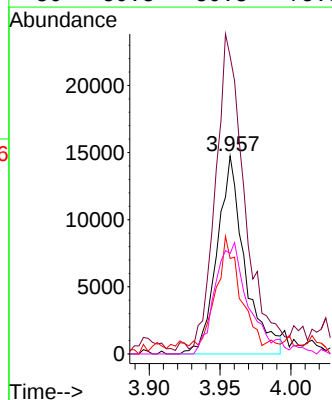
Ion Ratio Lower Upper

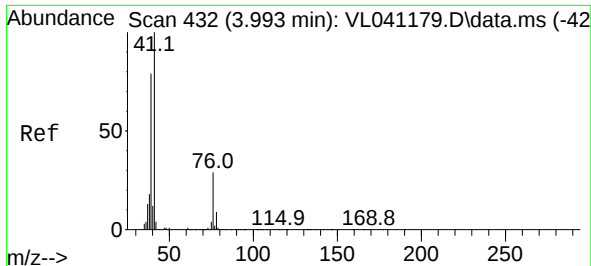
84 100

49 144.6 130.4 195.6

51 43.3 38.0 57.0

86 50.8 50.3 75.5





#21

Allyl Chloride

Concen: 0.498 ppbv

RT: 4.021 min Scan# 441

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

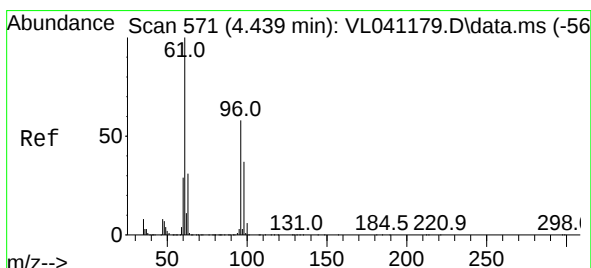
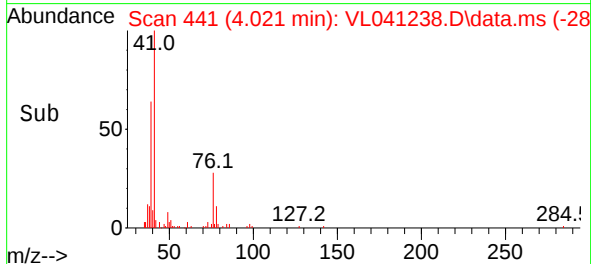
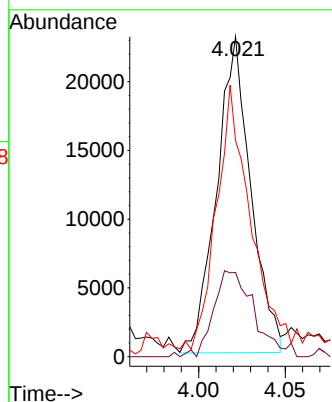
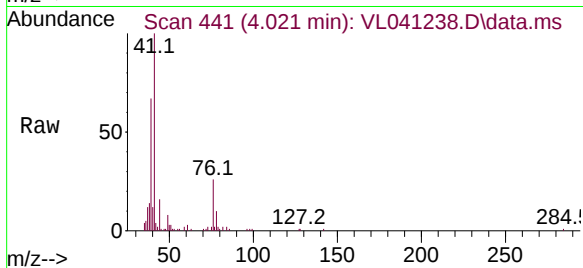
Tgt Ion: 41 Resp: 31629

Ion Ratio Lower Upper

41 100

76 32.8 23.7 35.5

39 98.2 64.7 97.1#



#22

trans-1,2-Dichloroethene

Concen: 0.237 ppbv

RT: 4.465 min Scan# 579

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

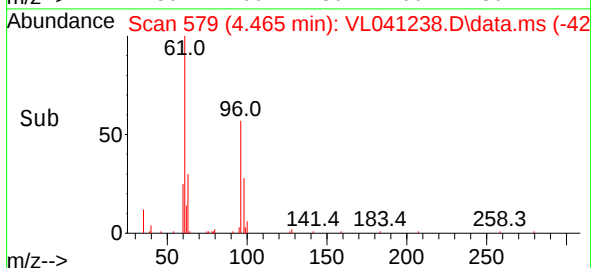
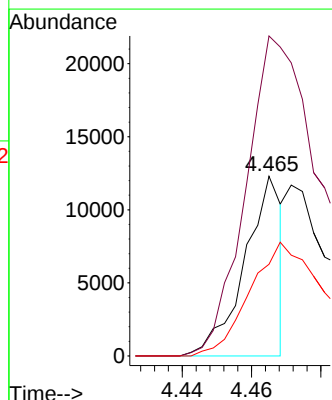
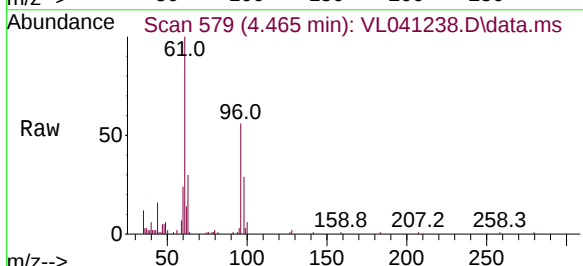
Tgt Ion: 96 Resp: 9202

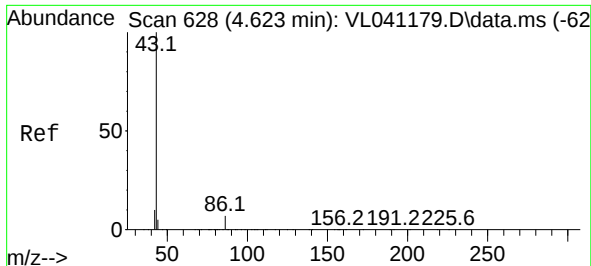
Ion Ratio Lower Upper

96 100

61 178.0 137.6 206.4

98 51.0 50.6 76.0

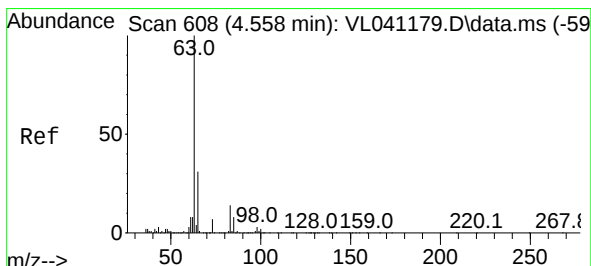
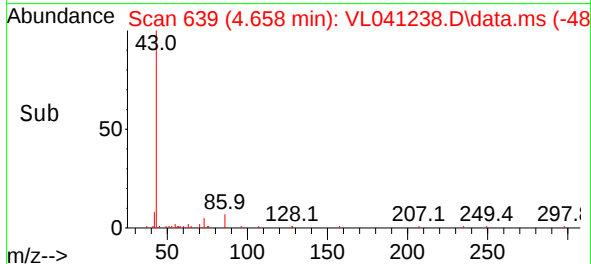
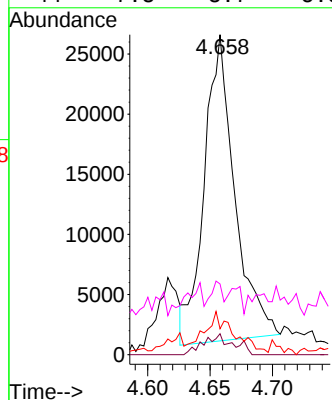
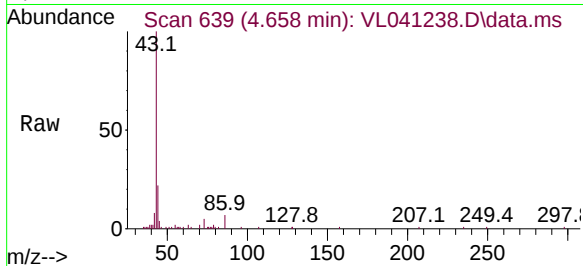




#23
 Vinyl Acetate
 Concen: 0.404 ppbv
 RT: 4.658 min Scan# 616
 Delta R.T. 0.013 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

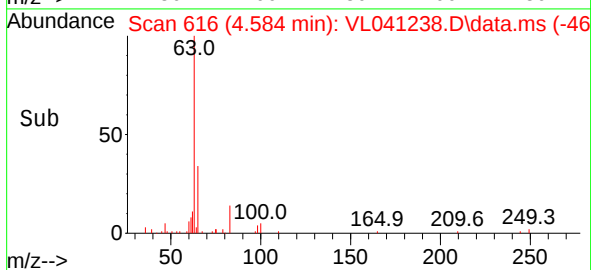
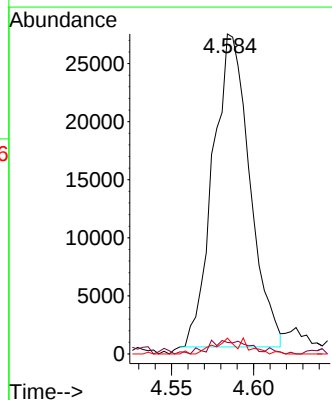
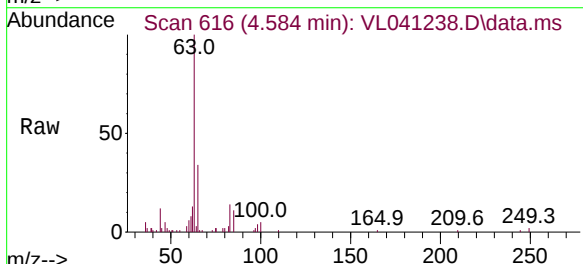
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

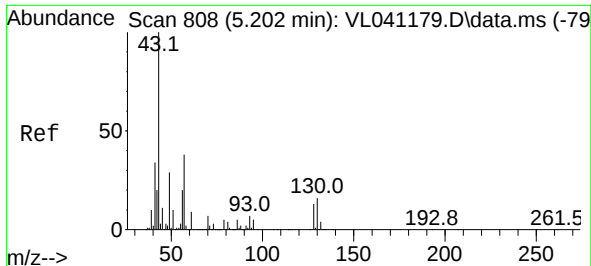
Tgt Ion:	43	Resp:	43365
Ion	Ratio	Lower	Upper
43	100		
86	7.0	4.9	7.3
42	5.8	8.0	12.0#
44	7.3	3.7	5.5#



#24
 1,1-Dichloroethane
 Concen: 0.504 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

Tgt Ion:	63	Resp:	41987
Ion	Ratio	Lower	Upper
63	100		
98	3.0	1.6	4.8
100	5.1	1.1	3.5#





#25

Ethyl Acetate

Concen: 0.506 ppbv

RT: 5.240 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL041238.D

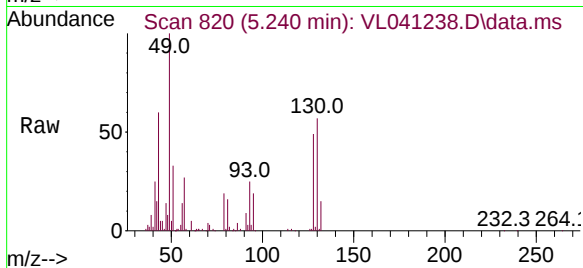
Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024



Tgt Ion: 43 Resp: 98312

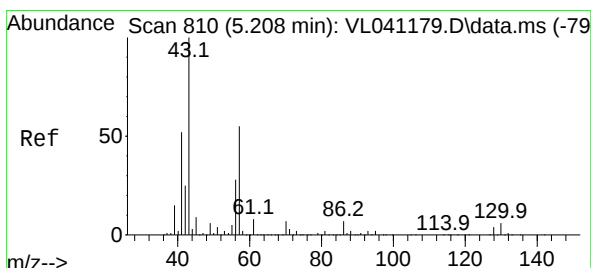
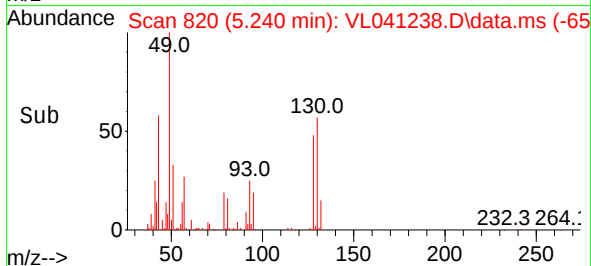
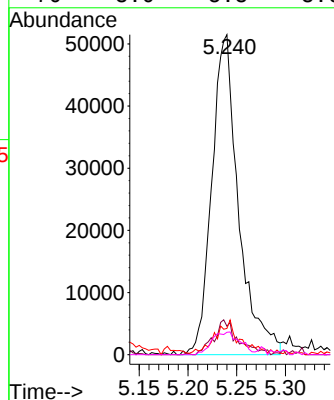
Ion Ratio Lower Upper

43 100

45 10.8 8.2 12.2

61 11.3 7.7 11.5

70 8.0 5.8 8.6



#26

Hexane

Concen: 0.501 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Tgt Ion: 57 Resp: 43470

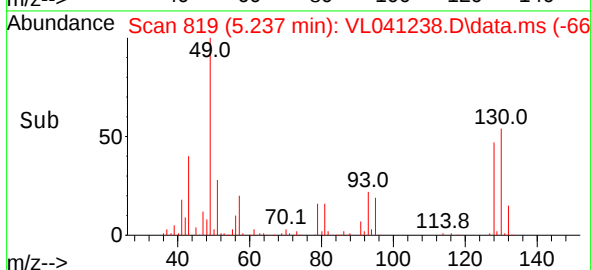
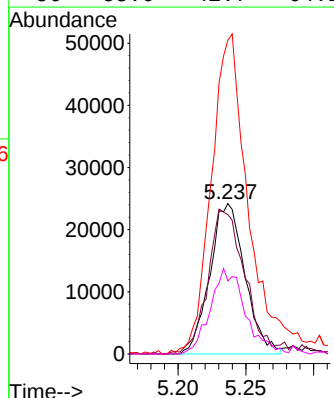
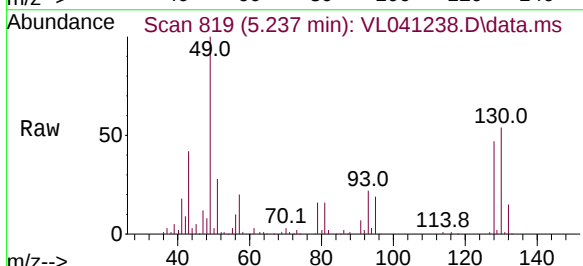
Ion Ratio Lower Upper

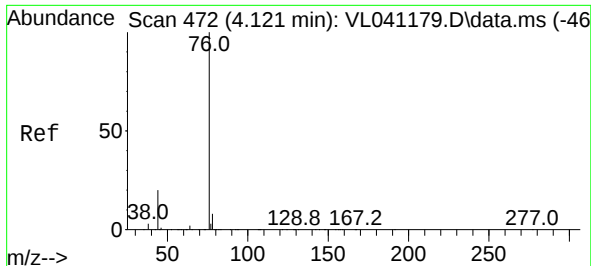
57 100

41 105.5 75.8 113.8

43 236.8 187.0 280.4

56 58.0 42.7 64.1





#27

Carbon Disulfide

Concen: 0.487 ppbv

RT: 4.150 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

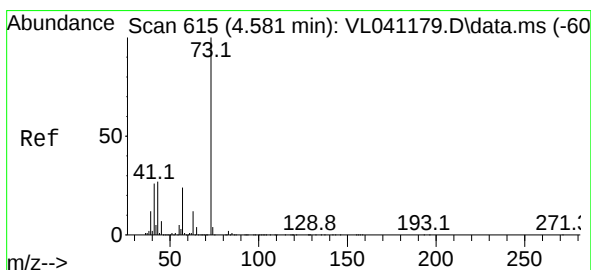
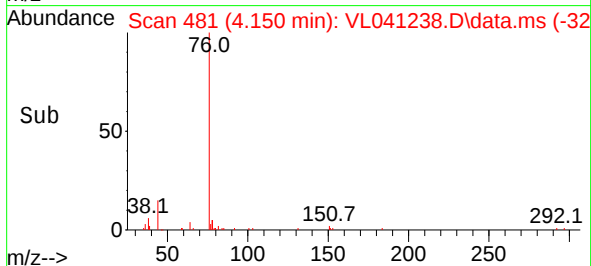
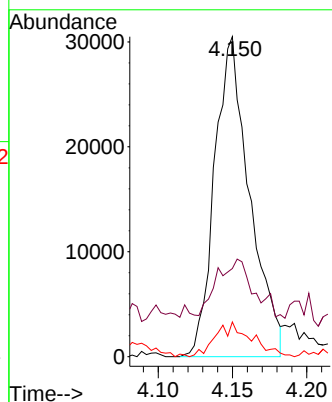
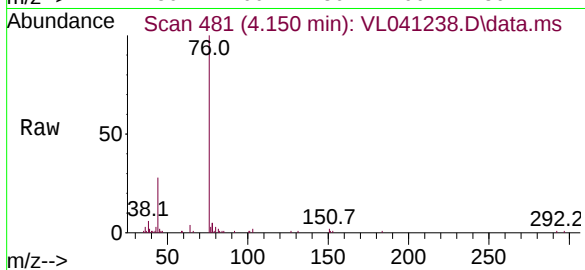
Tgt Ion: 76 Resp: 49977

Ion Ratio Lower Upper

76 100

44 23.7 16.3 24.5

78 10.9 7.3 10.9#



#28

Methyl tert-Butyl Ether

Concen: 0.466 ppbv

RT: 4.623 min Scan# 628

Delta R.T. 0.019 min

Lab File: VL041238.D

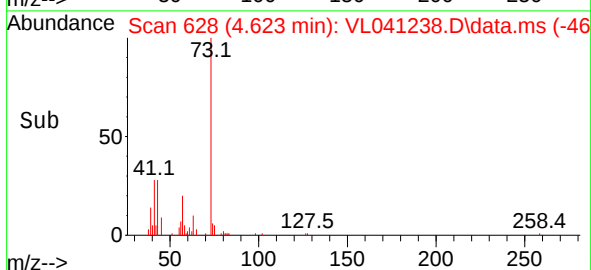
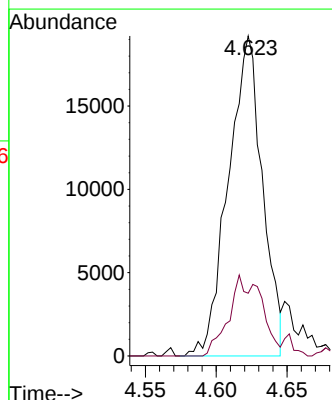
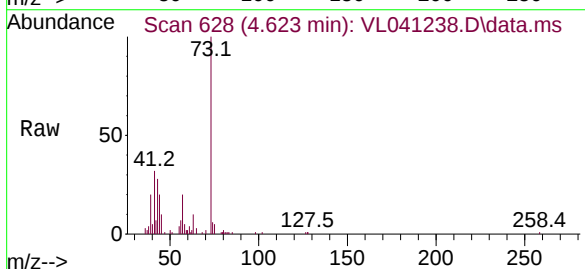
Acq: 8 May 2024 11:18

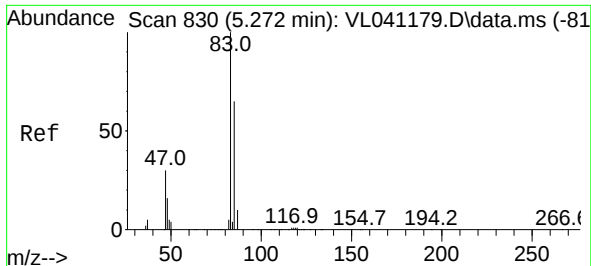
Tgt Ion: 73 Resp: 32172

Ion Ratio Lower Upper

73 100

57 27.2 18.8 28.2





#29

Chloroform

Concen: 0.603 ppbv

RT: 5.298 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

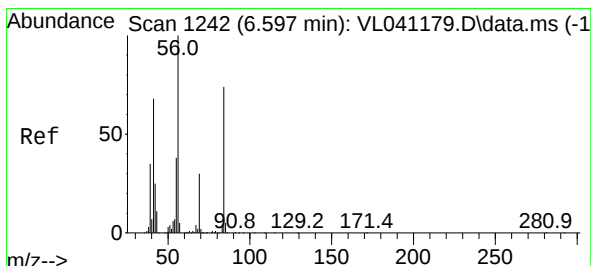
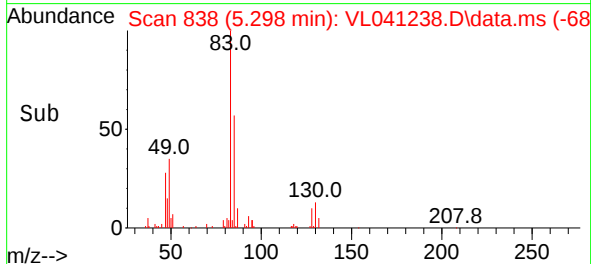
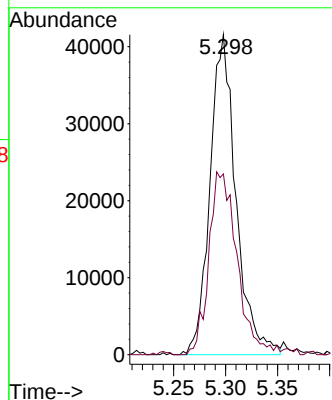
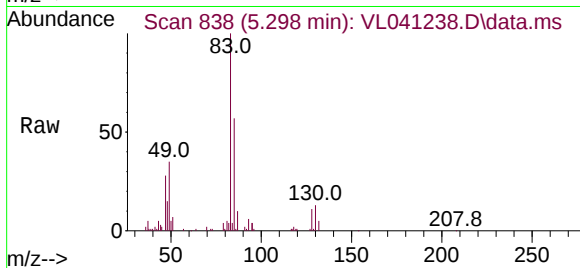
LOQ-AIR-02-QT2-2024

Tgt Ion: 83 Resp: 72143

Ion Ratio Lower Upper

83 100

85 56.5 51.7 77.5



#30

Cyclohexane

Concen: 0.500 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

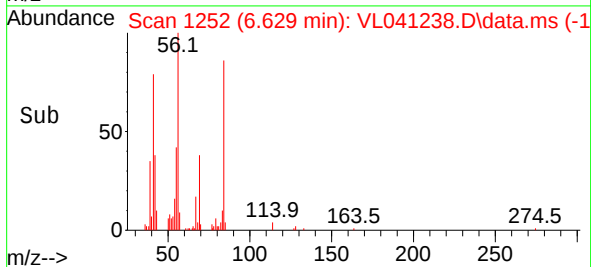
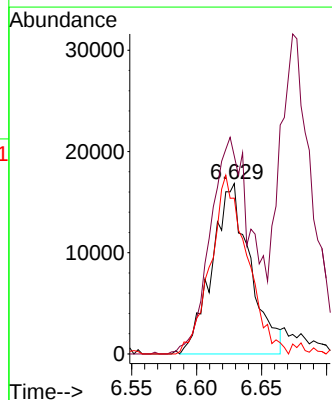
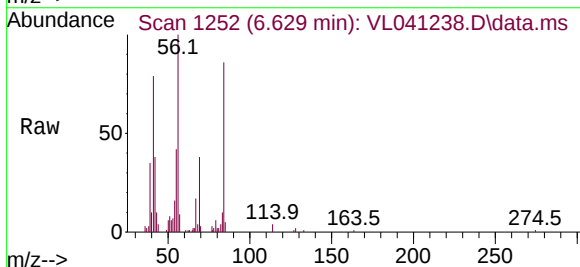
Tgt Ion: 84 Resp: 34325

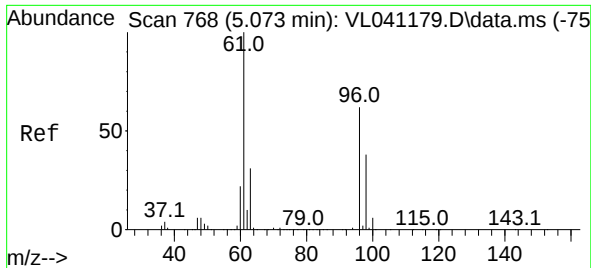
Ion Ratio Lower Upper

84 100

56 127.8 116.8 175.2

41 103.0 73.8 110.8

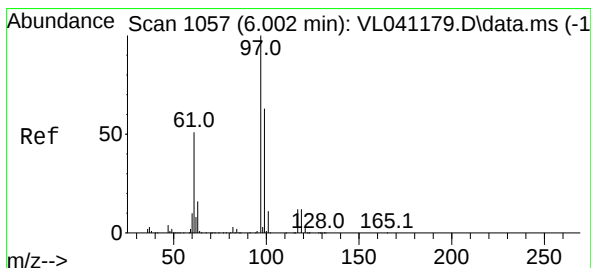
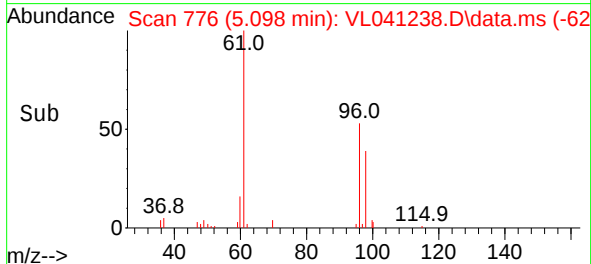
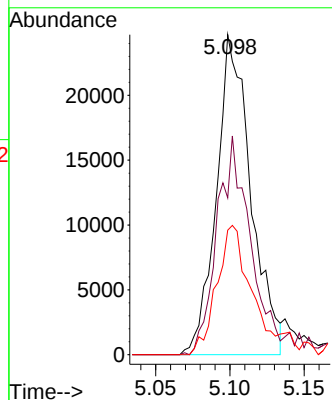
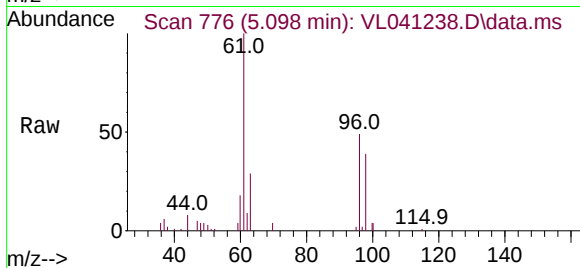




#31
 cis-1,2-Dichloroethene
 Concen: 0.490 ppbv
 RT: 5.098 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

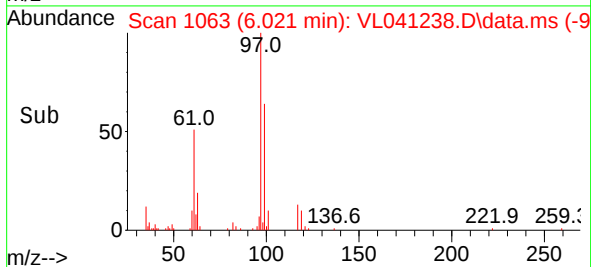
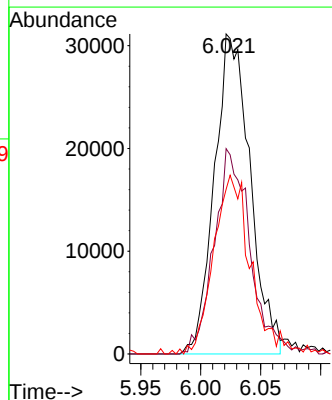
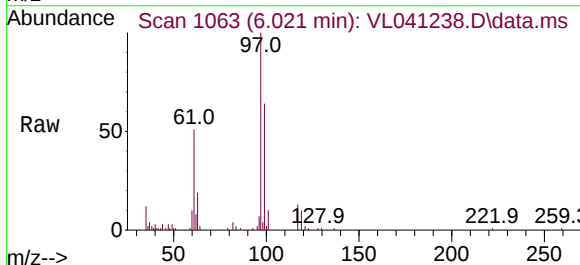
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

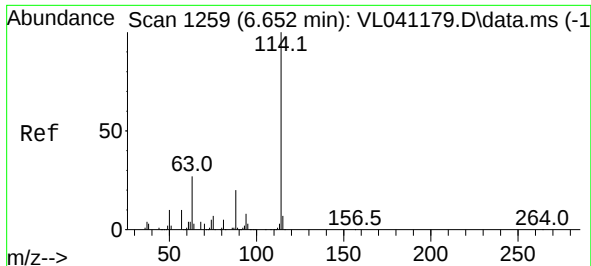
Tgt Ion: 61 Resp: 39796
 Ion Ratio Lower Upper
 61 100
 96 49.0 49.8 74.6#
 98 38.9 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 0.539 ppbv
 RT: 6.021 min Scan# 1063
 Delta R.T. -0.000 min
 Lab File: VL041238.D
 Acq: 8 May 2024 11:18

Tgt Ion: 97 Resp: 64386
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 58.4 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

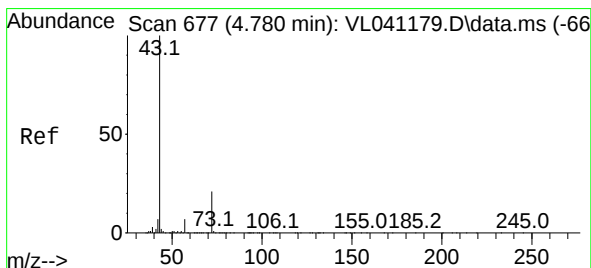
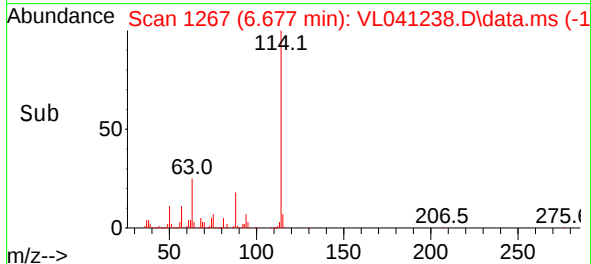
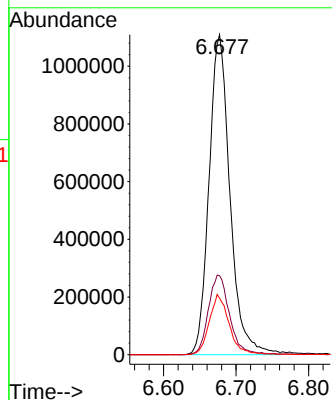
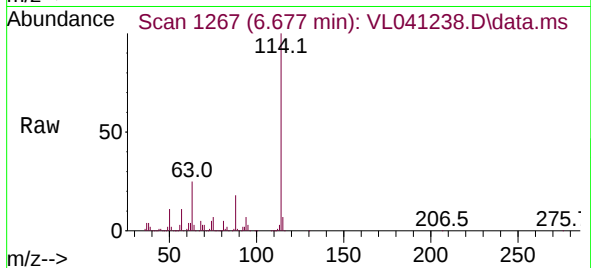
Tgt Ion:114 Resp: 2224017

Ion Ratio Lower Upper

114 100

63 25.4 21.8 32.6

88 18.1 15.2 22.8



#34

2-Butanone

Concen: 0.507 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.016 min

Lab File: VL041238.D

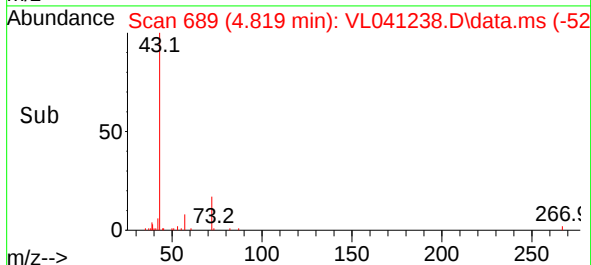
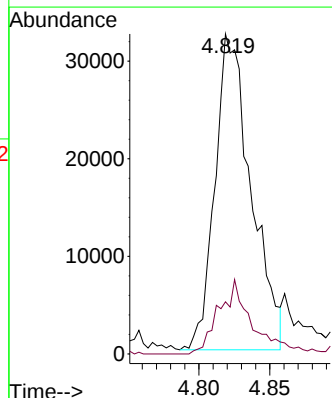
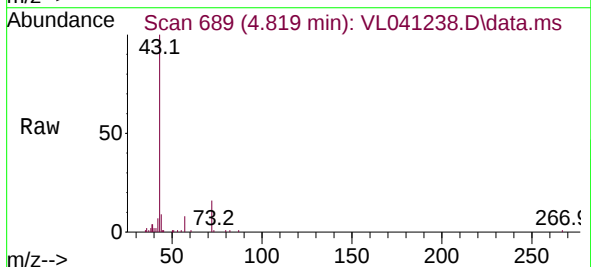
Acq: 8 May 2024 11:18

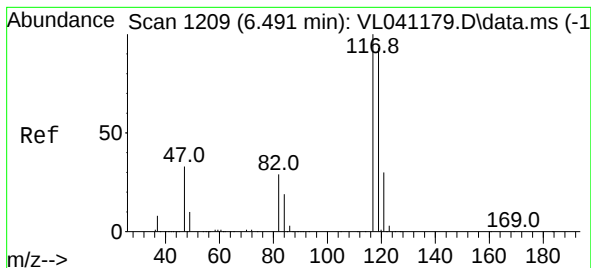
Tgt Ion: 43 Resp: 57349

Ion Ratio Lower Upper

43 100

72 22.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.497 ppbv

RT: 6.520 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

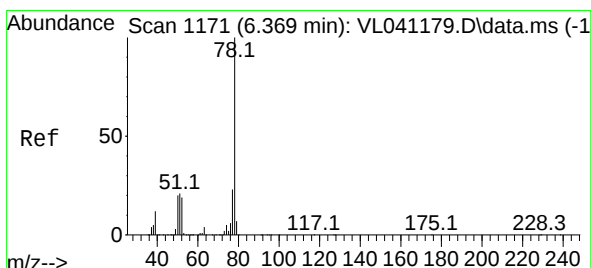
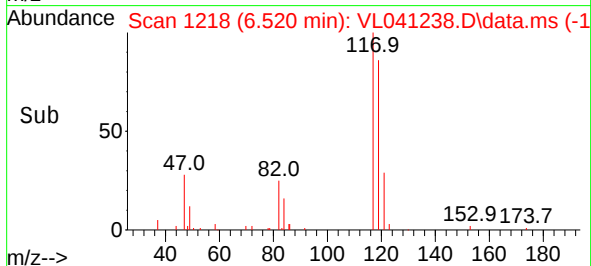
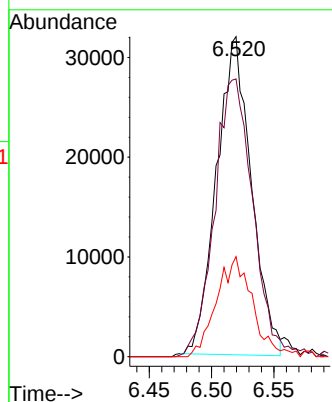
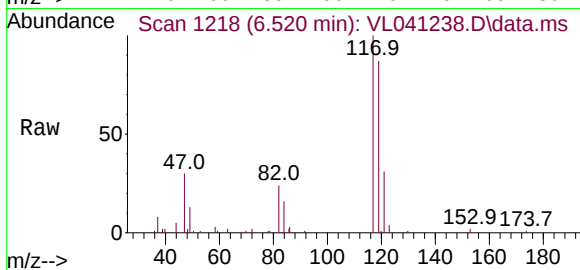
Tgt Ion:117 Resp: 62065

Ion Ratio Lower Upper

117 100

119 87.1 74.3 111.5

121 31.5 23.8 35.8



#36

Benzene

Concen: 0.472 ppbv

RT: 6.397 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

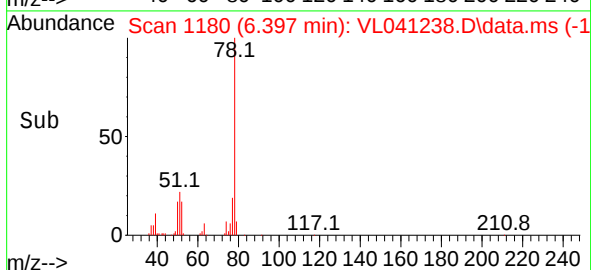
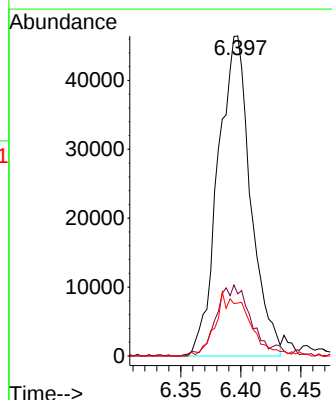
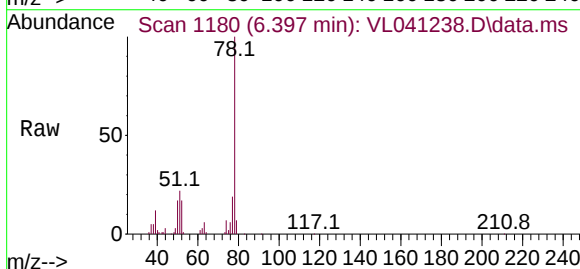
Tgt Ion: 78 Resp: 88130

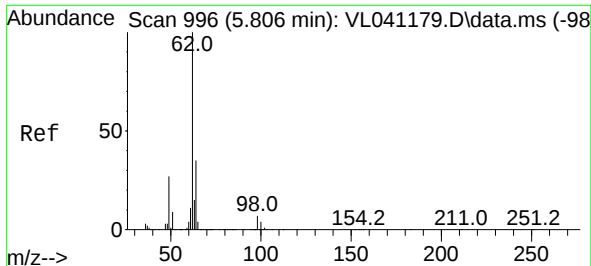
Ion Ratio Lower Upper

78 100

77 19.4 18.3 27.5

50 16.5 15.9 23.9





#37

1,2-Dichloroethane

Concen: 0.288 ppbv

RT: 5.832 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

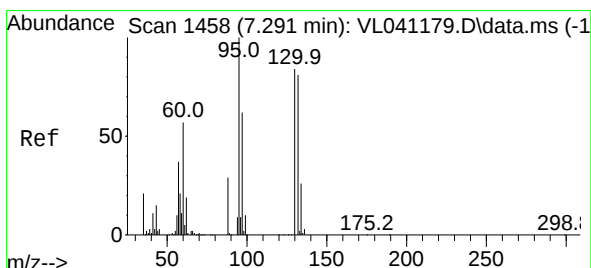
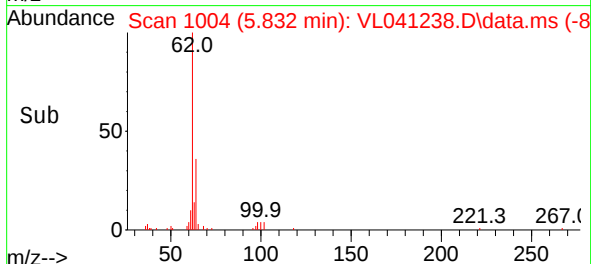
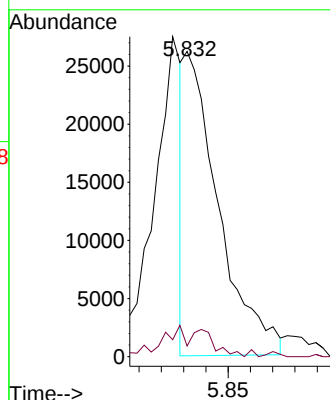
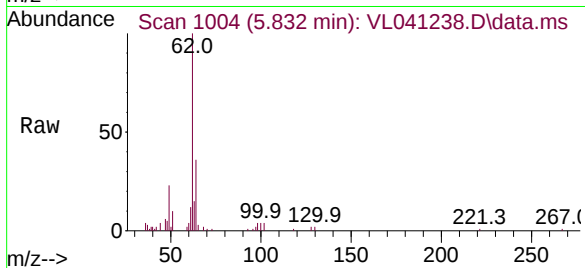
LOQ-AIR-02-QT2-2024

Tgt Ion: 62 Resp: 28000

Ion Ratio Lower Upper

62 100

98 14.1 5.0 7.4#



#38

Trichloroethene

Concen: 0.244 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Tgt Ion:130 Resp: 16987

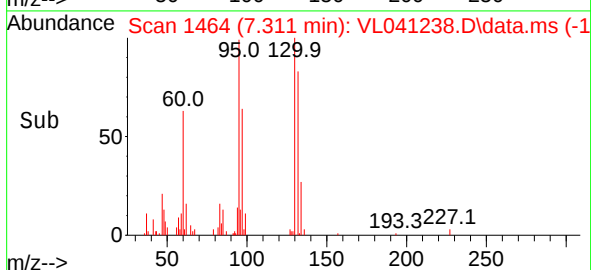
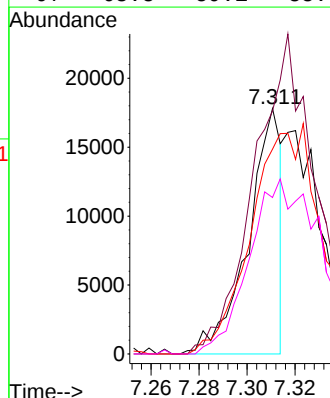
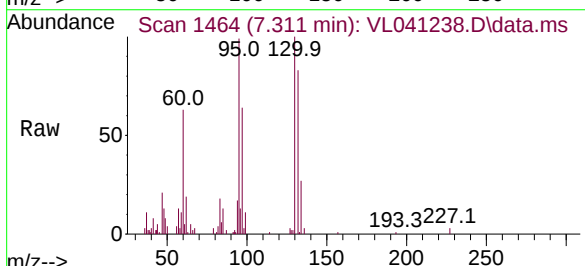
Ion Ratio Lower Upper

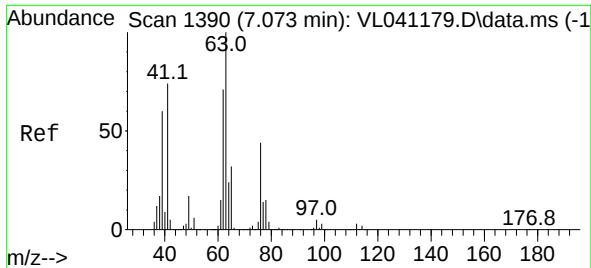
130 100

95 99.0 95.0 142.6

132 83.5 77.0 115.4

97 63.8 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.238 ppbv

RT: 7.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

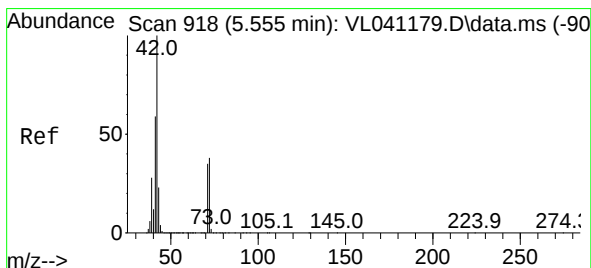
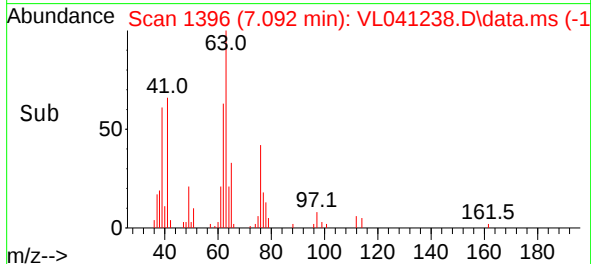
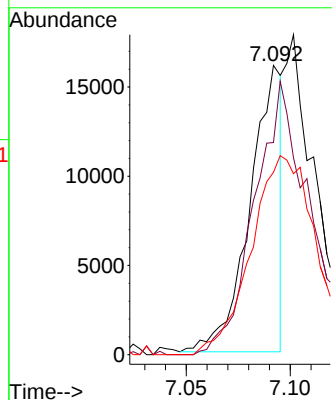
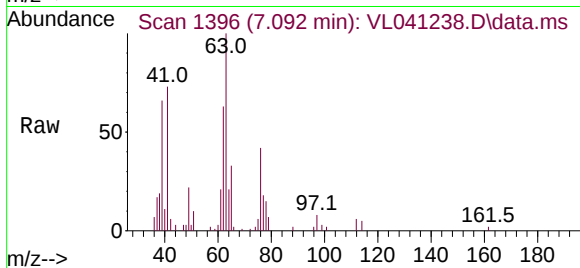
Tgt Ion: 63 Resp: 17089

Ion Ratio Lower Upper

63 100

41 74.1 59.4 89.0

62 63.7 56.8 85.2



#41

Tetrahydrofuran

Concen: 0.214 ppbv

RT: 5.603 min Scan# 933

Delta R.T. 0.026 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

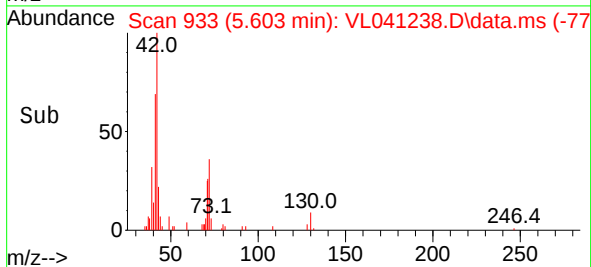
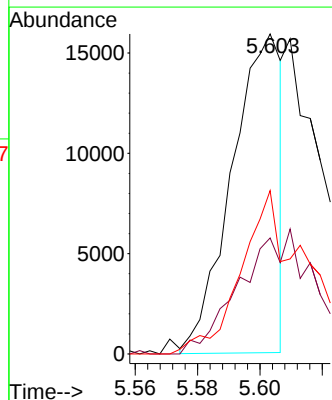
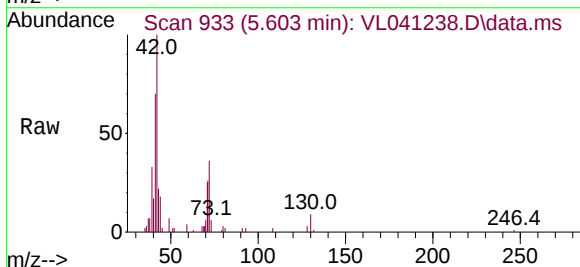
Tgt Ion: 42 Resp: 17564

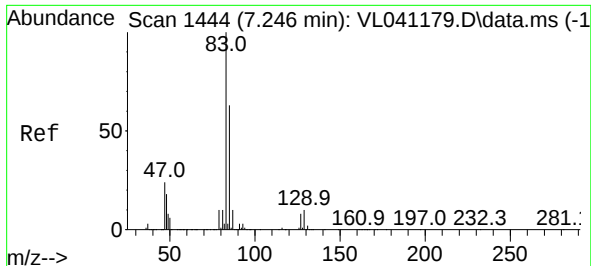
Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 80.9 29.1 43.7#





#42

Bromodichloromethane

Concen: 0.523 ppbv

RT: 7.275 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

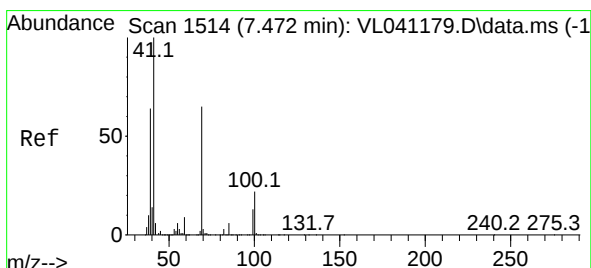
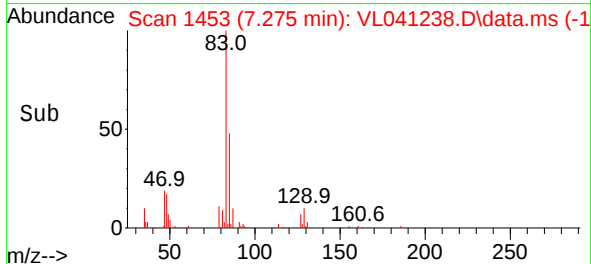
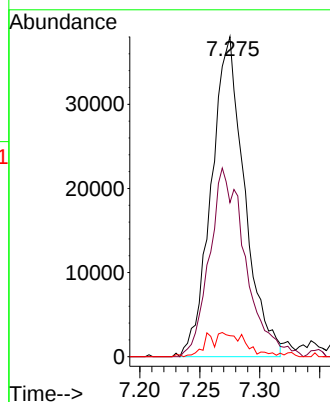
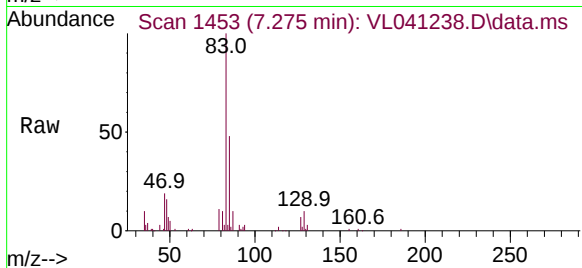
Tgt Ion: 83 Resp: 73074

Ion Ratio Lower Upper

83 100

85 48.2 50.6 75.8#

127 6.0 6.2 9.4#



#43

Methyl Methacrylate

Concen: 0.392 ppbv

RT: 7.503 min Scan# 1524

Delta R.T. 0.010 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

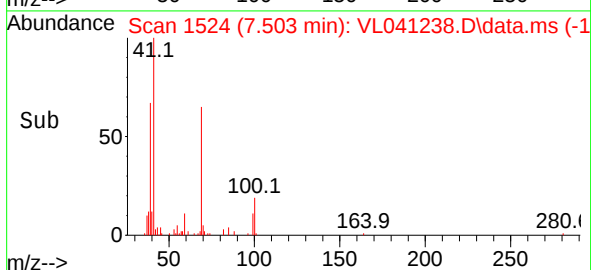
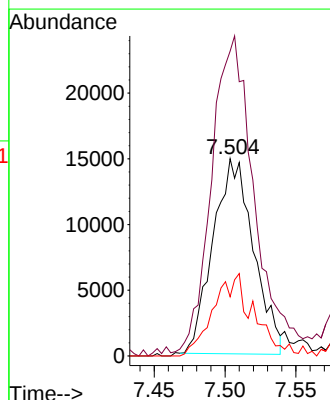
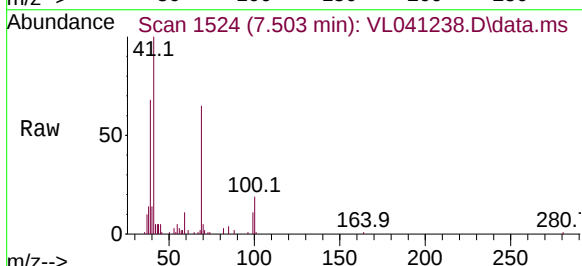
Tgt Ion: 69 Resp: 29600

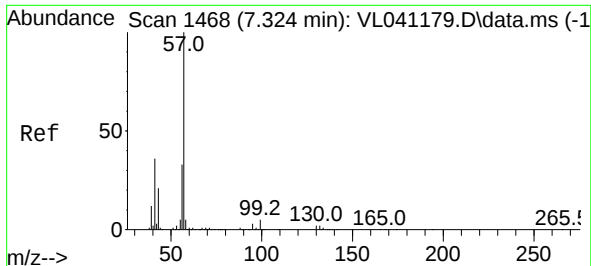
Ion Ratio Lower Upper

69 100

41 179.1 125.2 187.8

100 42.5 26.7 40.1#





#44

2,2,4-Trimethylpentane

Concen: 0.488 ppbv

RT: 7.349 min Scan# 1468

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

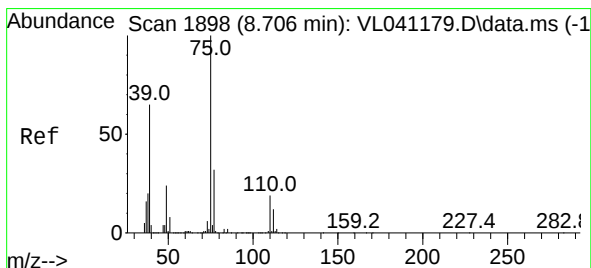
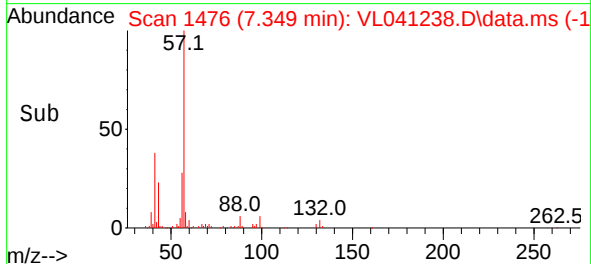
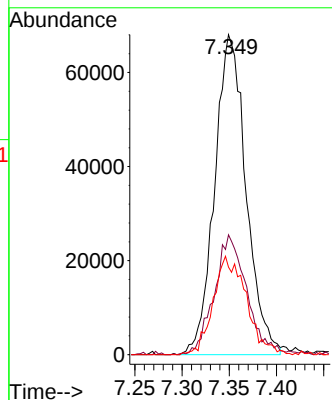
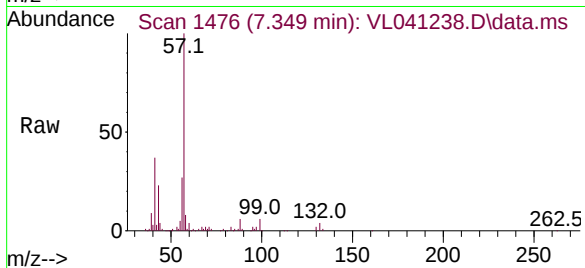
Tgt Ion: 57 Resp: 156979

Ion Ratio Lower Upper

57 100

41 39.1 29.5 44.3

56 32.8 25.3 37.9



#45

t-1,3-Dichloropropene

Concen: 0.031 ppbv

RT: 8.712 min Scan# 1900

Delta R.T. -0.019 min

Lab File: VL041238.D

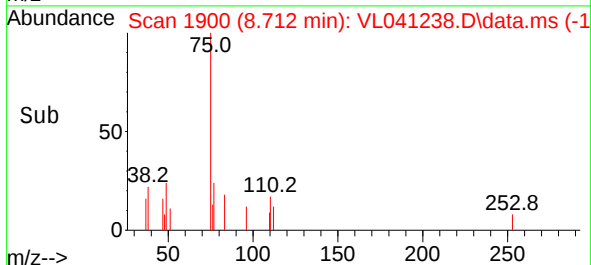
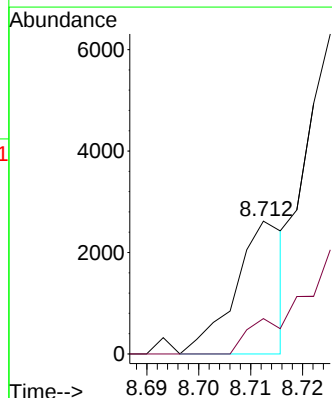
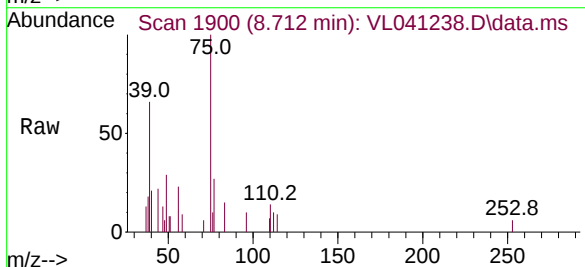
Acq: 8 May 2024 11:18

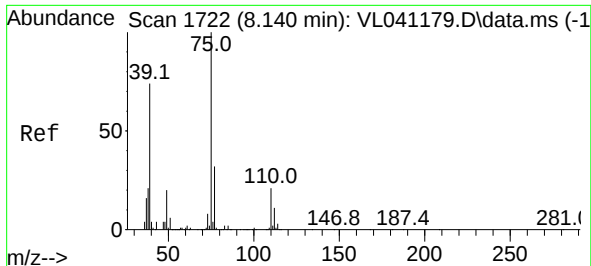
Tgt Ion: 75 Resp: 1708

Ion Ratio Lower Upper

75 100

77 26.7 25.6 38.4





#46

cis-1,3-Dichloropropene

Concen: 0.181 ppbv

RT: 8.163 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

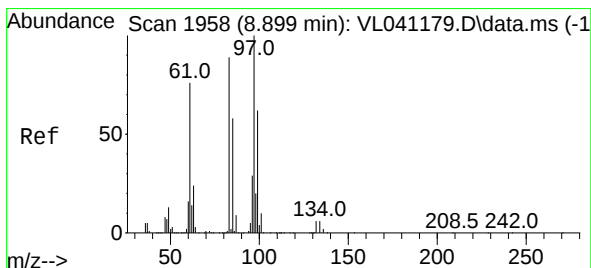
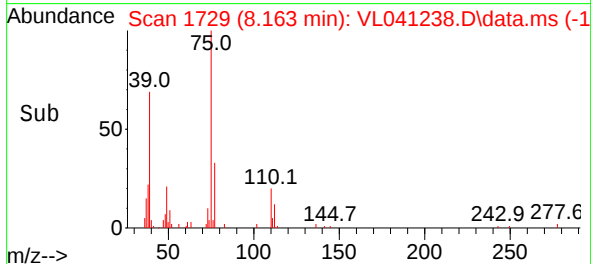
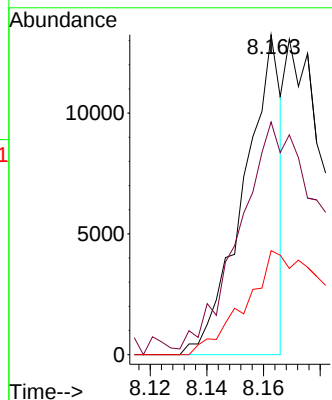
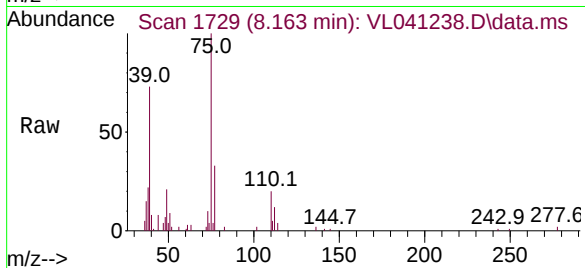
Tgt Ion: 75 Resp: 12147

Ion Ratio Lower Upper

75 100

39 70.9 59.4 89.2

77 32.5 25.9 38.9



#47

1,1,2-Trichloroethane

Concen: 0.305 ppbv

RT: 8.925 min Scan# 1966

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Tgt Ion: 97 Resp: 21960

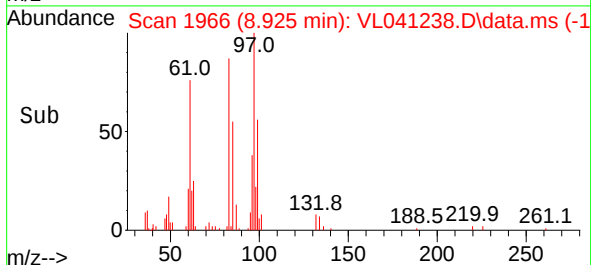
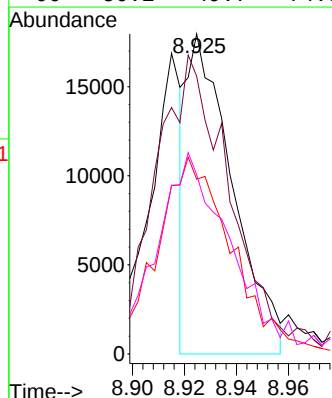
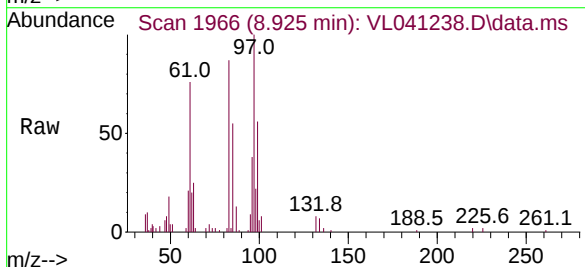
Ion Ratio Lower Upper

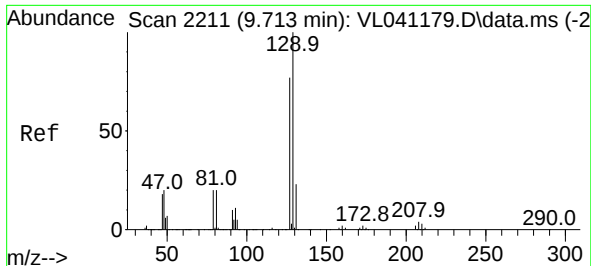
97 100

83 86.7 71.2 106.8

85 52.0 46.0 69.0

99 56.2 49.7 74.5





#48

Dibromochloromethane

Concen: 0.172 ppbv

RT: 9.741 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

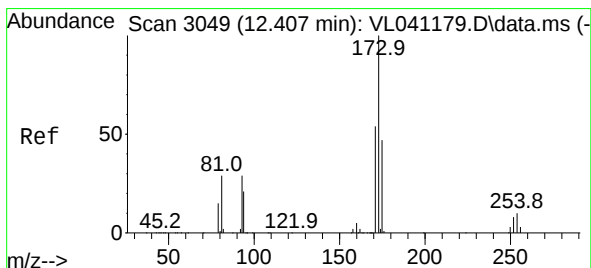
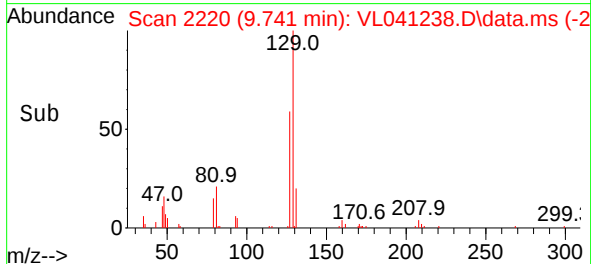
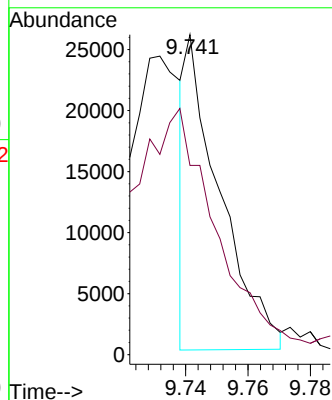
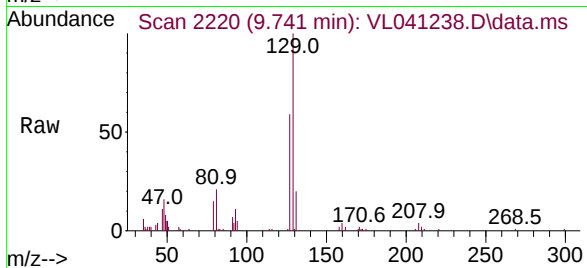
LOQ-AIR-02-QT2-2024

Tgt Ion:129 Resp: 19696

Ion Ratio Lower Upper

129 100

127 219.5 39.1 117.5#



#49

Bromoform

Concen: 0.423 ppbv

RT: 12.429 min Scan# 3056

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

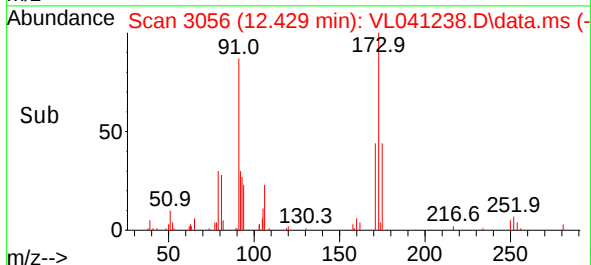
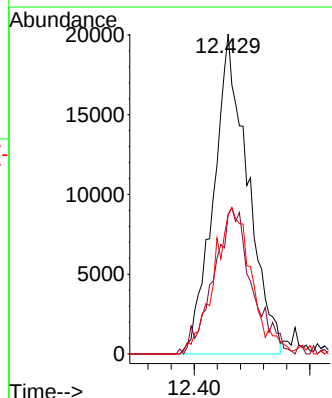
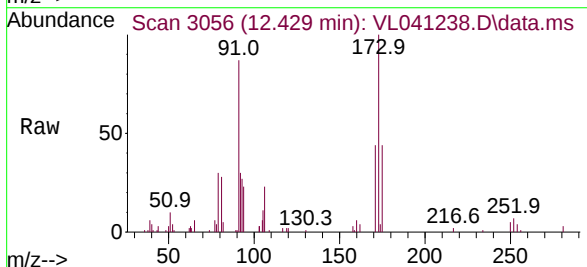
Tgt Ion:173 Resp: 41297

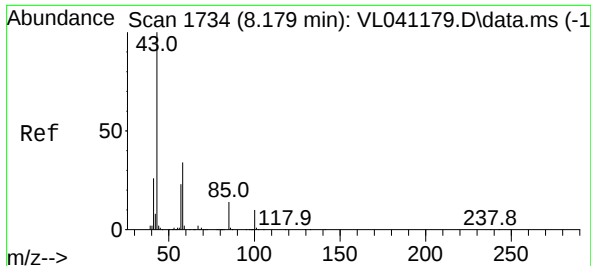
Ion Ratio Lower Upper

173 100

175 51.3 39.8 59.8

171 51.3 41.8 62.8





#50

4-Methyl-2-Pentanone

Concen: 0.427 ppbv

RT: 8.227 min Scan# 1749

Delta R.T. 0.026 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

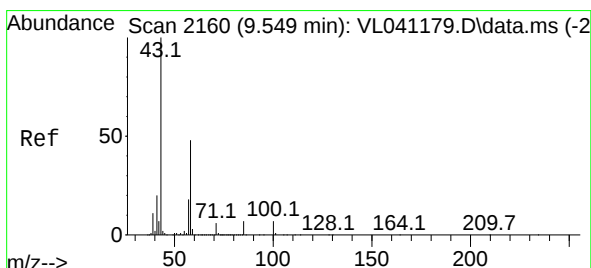
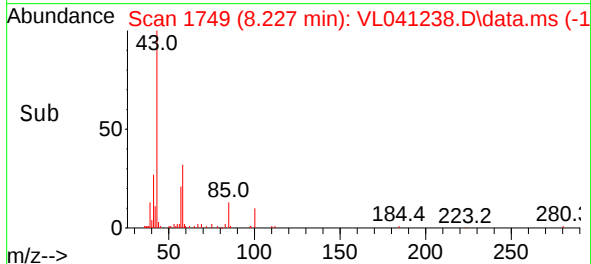
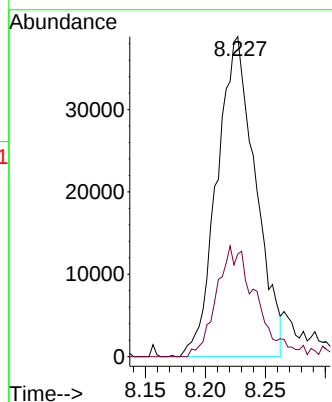
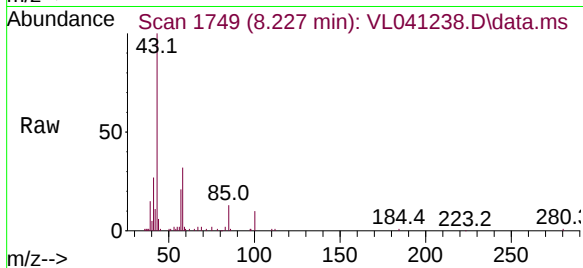
LOQ-AIR-02-QT2-2024

Tgt Ion: 43 Resp: 86800

Ion Ratio Lower Upper

43 100

58 36.2 27.7 41.5



#51

2-Hexanone

Concen: 0.105 ppbv

RT: 9.587 min Scan# 2172

Delta R.T. 0.019 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

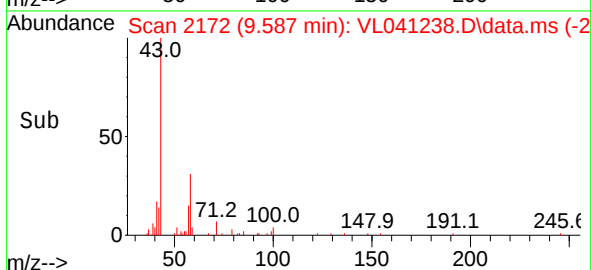
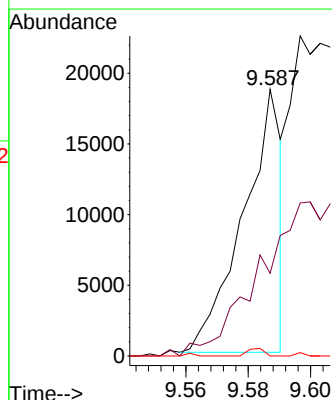
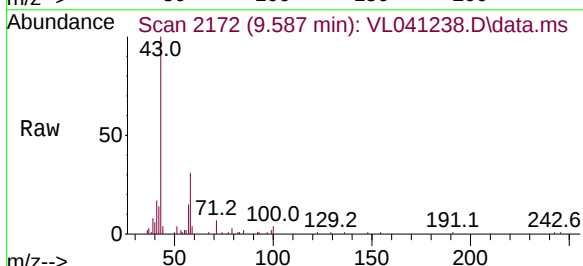
Tgt Ion: 43 Resp: 15806

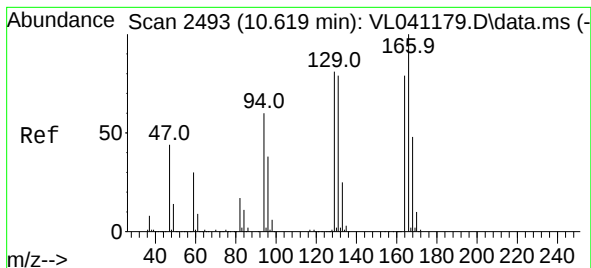
Ion Ratio Lower Upper

43 100

58 0.0 38.4 57.6#

98 1.5 0.0 0.0#





#52

Tetrachloroethene

Concen: 0.364 ppbv

RT: 10.638 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion:164 Resp: 23854

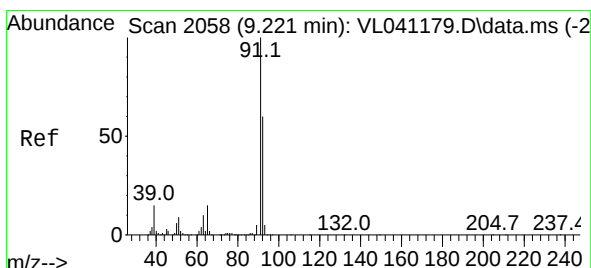
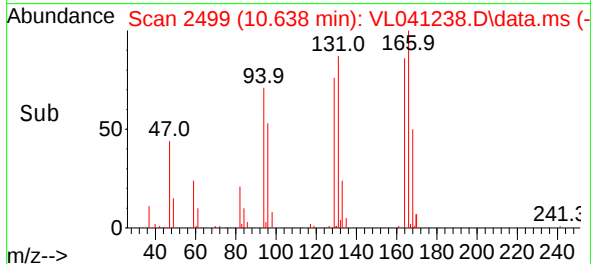
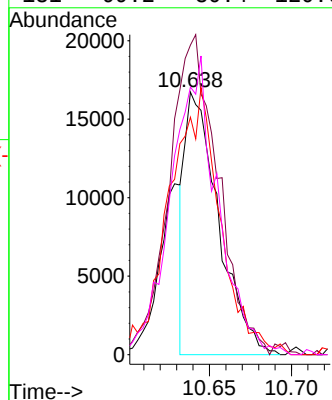
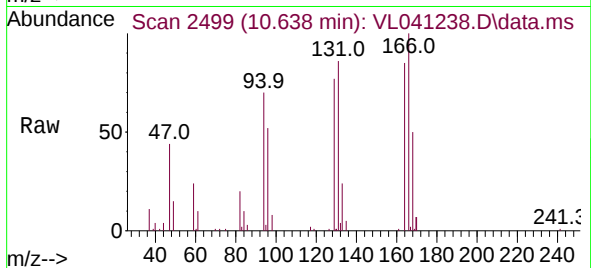
Ion Ratio Lower Upper

164 100

166 114.8 101.1 151.7

129 86.3 81.7 122.5

131 99.2 80.4 120.6



#53

Toluene

Concen: 0.484 ppbv

RT: 9.246 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VL041238.D

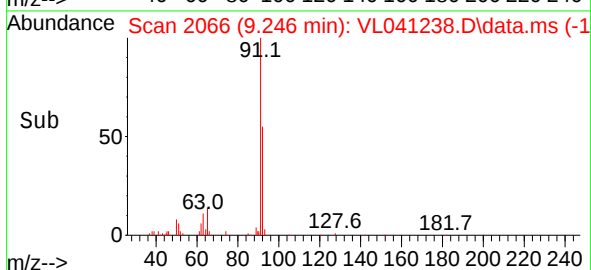
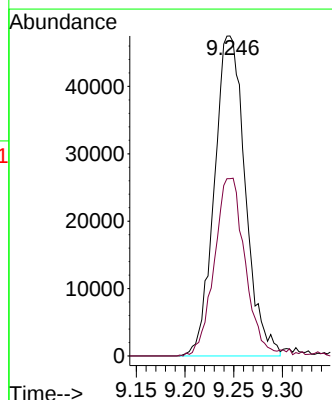
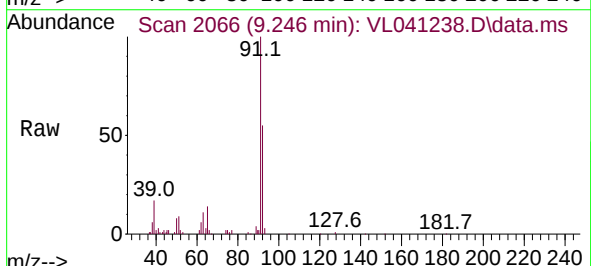
Acq: 8 May 2024 11:18

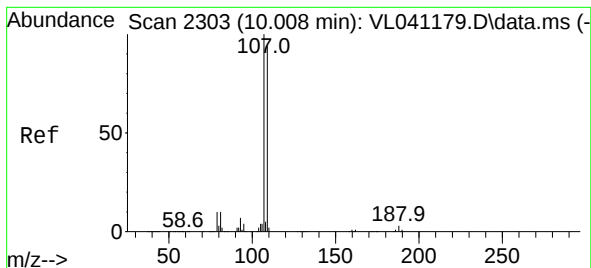
Tgt Ion: 91 Resp: 104675

Ion Ratio Lower Upper

91 100

92 56.4 48.2 72.4





#54

1,2-Dibromoethane

Concen: 0.492 ppbv

RT: 10.034 min Scan# 2303

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

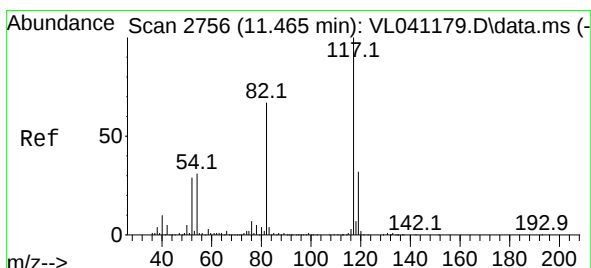
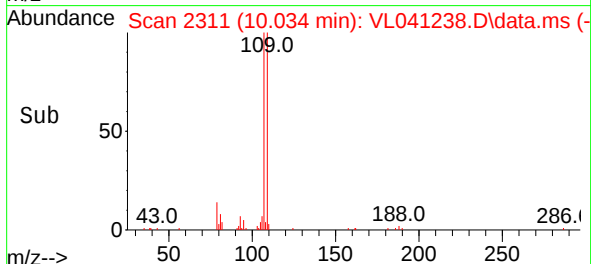
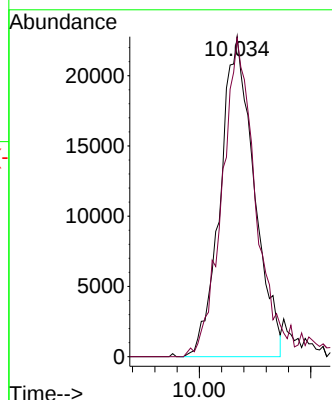
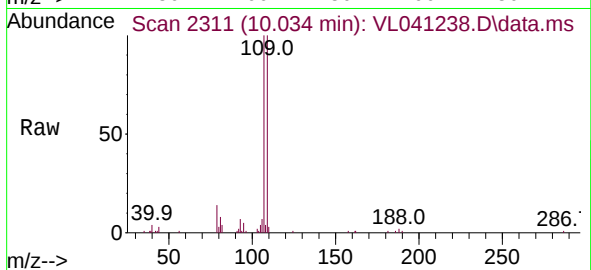
LOQ-AIR-02-QT2-2024

Tgt Ion:107 Resp: 47984

Ion Ratio Lower Upper

107 100

109 99.6 75.2 112.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.490 min Scan# 2764

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

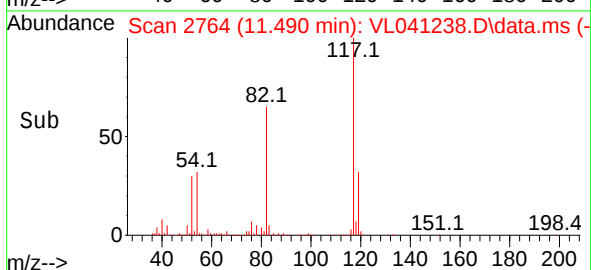
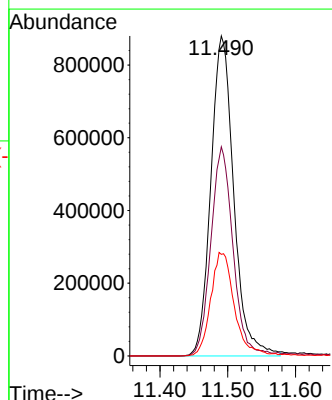
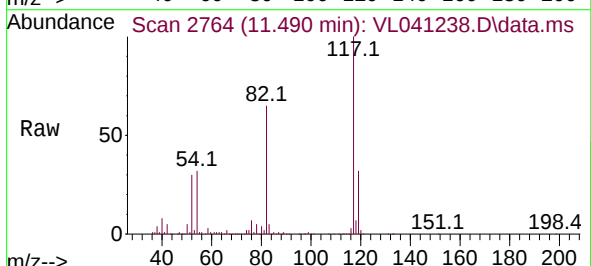
Tgt Ion:117 Resp: 2064668

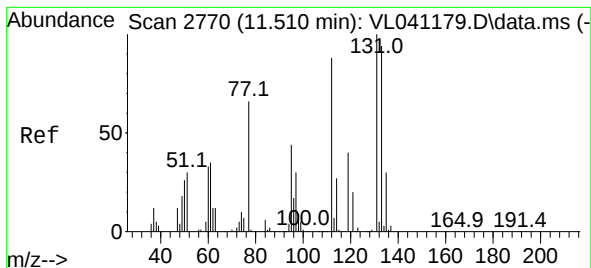
Ion Ratio Lower Upper

117 100

82 64.2 53.6 80.4

119 34.0 27.2 40.8





#56

1,1,1,2-Tetrachloroethane

Concen: 0.545 ppbv

RT: 11.532 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

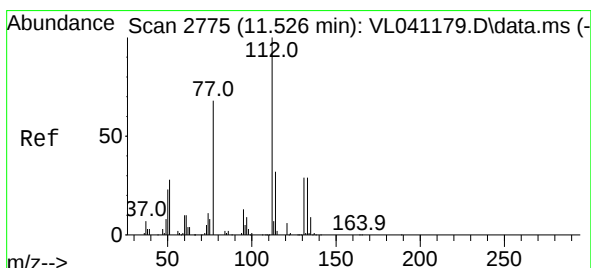
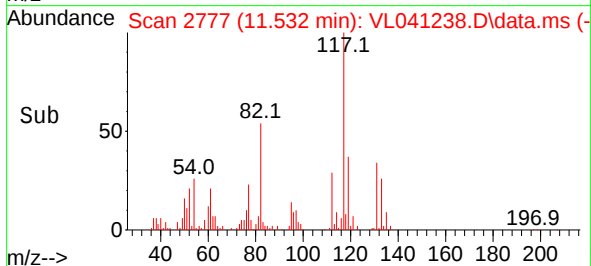
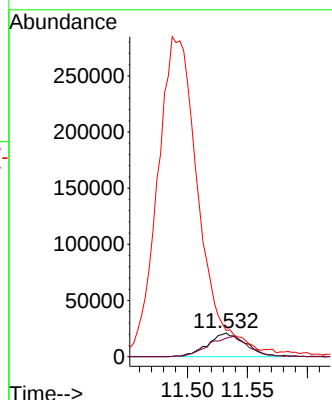
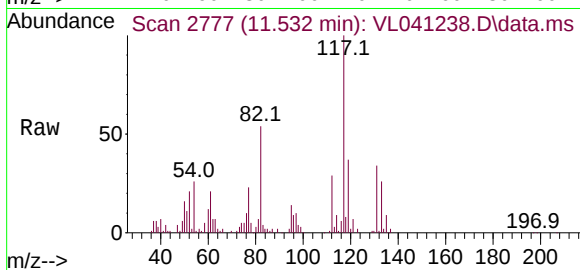
Tgt Ion:131 Resp: 45607

Ion Ratio Lower Upper

131 100

133 90.6 76.3 114.5

119 1525.2 49.4 74.2#



#57

Chlorobenzene

Concen: 0.531 ppbv

RT: 11.548 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

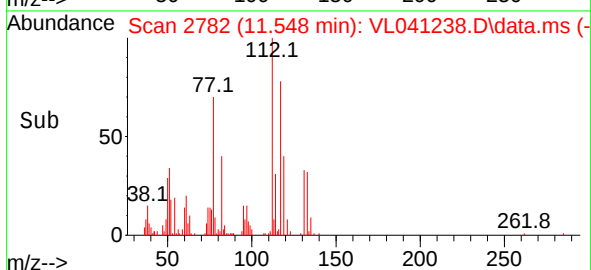
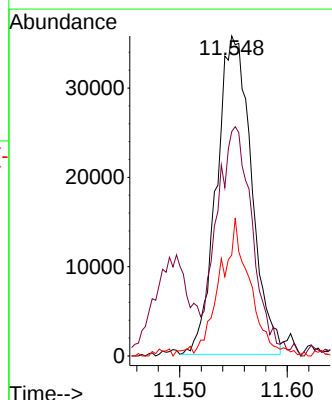
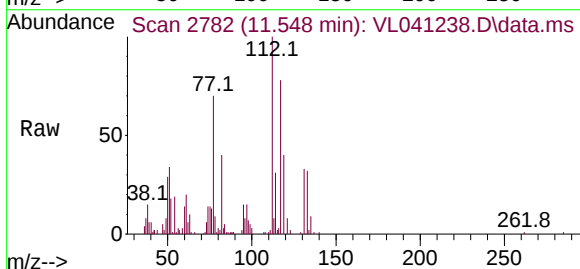
Tgt Ion:112 Resp: 80353

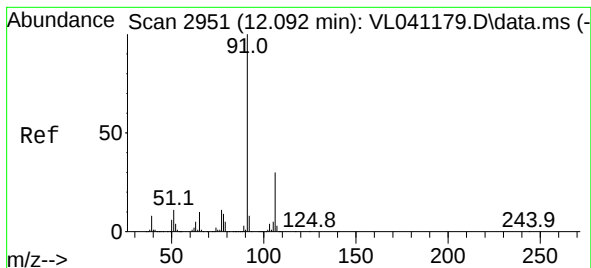
Ion Ratio Lower Upper

112 100

77 66.8 54.9 82.3

114 30.1 28.7 35.1





#58

Ethyl Benzene

Concen: 0.471 ppbv

RT: 12.114 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

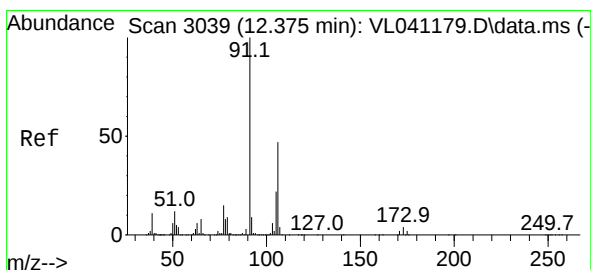
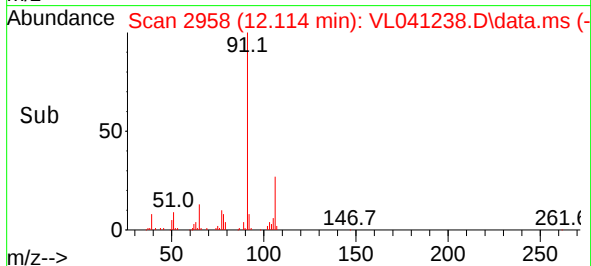
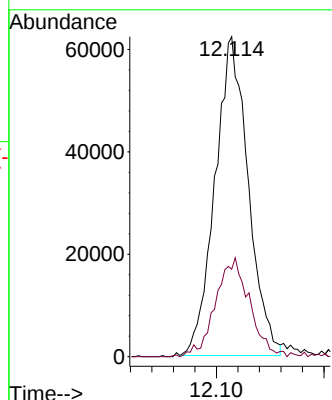
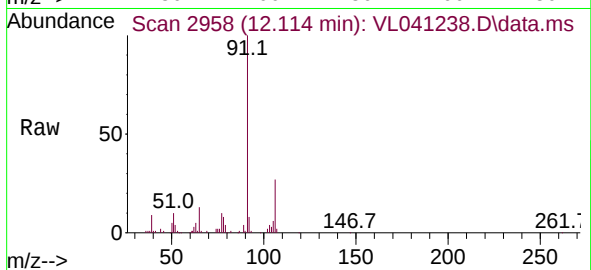
LOQ-AIR-02-QT2-2024

Tgt Ion: 91 Resp: 133372

Ion Ratio Lower Upper

91 100

106 27.5 24.3 36.5



#59

m/p-Xylene

Concen: 0.478 ppbv

RT: 12.394 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VL041238.D

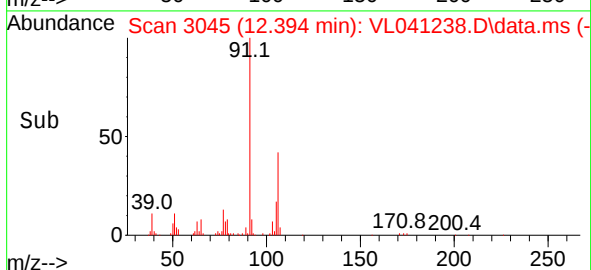
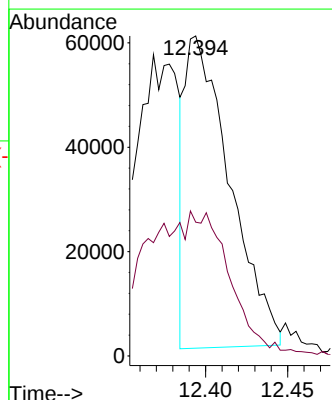
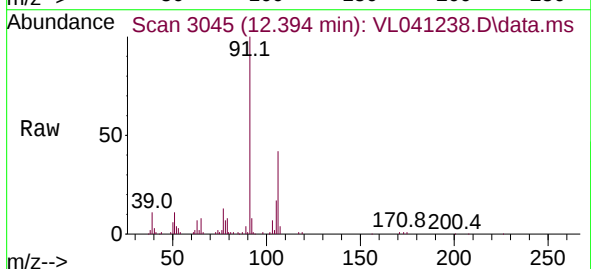
Acq: 8 May 2024 11:18

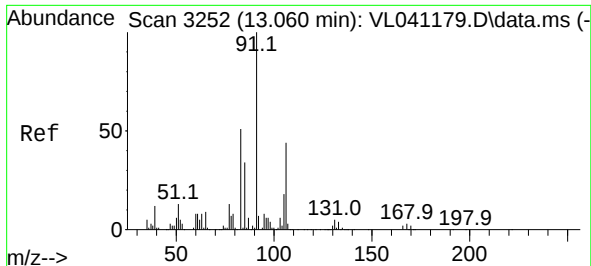
Tgt Ion: 91 Resp: 113628

Ion Ratio Lower Upper

91 100

106 92.8 35.7 53.5#

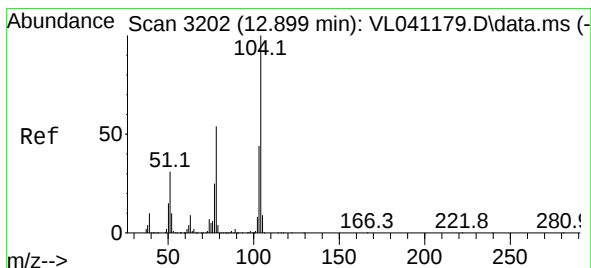
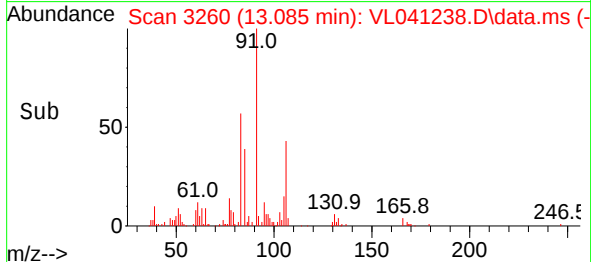
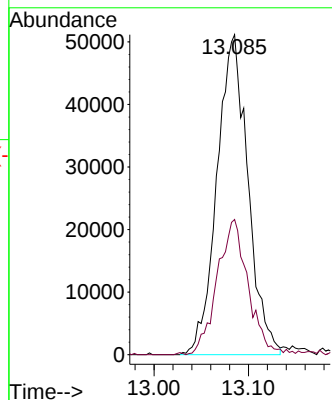
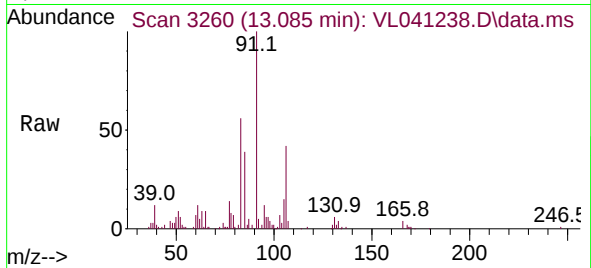




#60
o-Xylene
Concen: 0.521 ppbv
RT: 13.085 min Scan# 3210
Delta R.T. 0.006 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

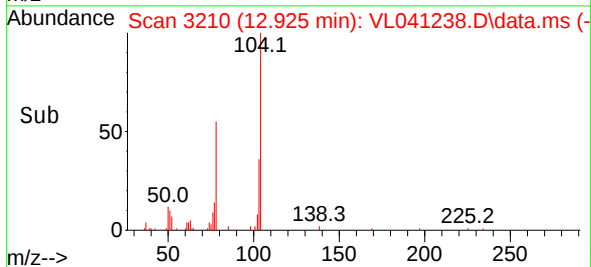
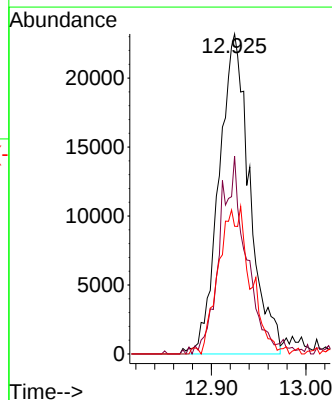
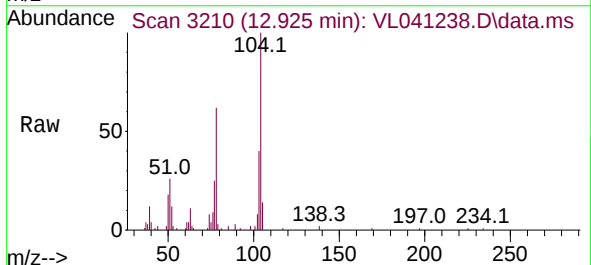
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

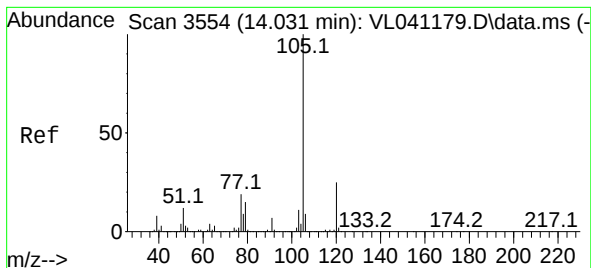
Tgt Ion: 91 Resp: 116243
Ion Ratio Lower Upper
91 100
106 43.0 22.4 67.3



#61
Styrene
Concen: 0.445 ppbv
RT: 12.925 min Scan# 3210
Delta R.T. 0.006 min
Lab File: VL041238.D
Acq: 8 May 2024 11:18

Tgt Ion:104 Resp: 52413
Ion Ratio Lower Upper
104 100
78 54.5 42.6 63.8
103 48.0 38.4 57.6





#62

Isopropylbenzene

Concen: 0.531 ppbv

RT: 14.050 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

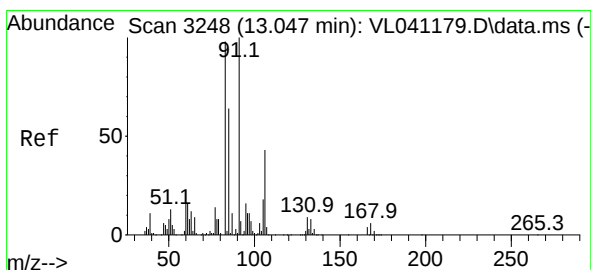
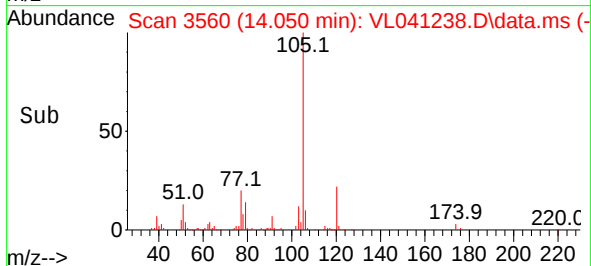
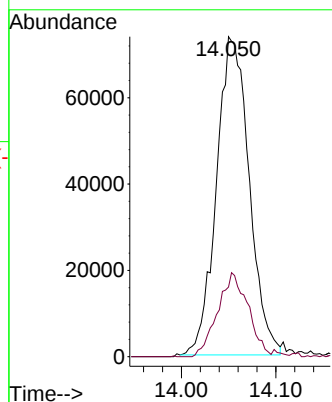
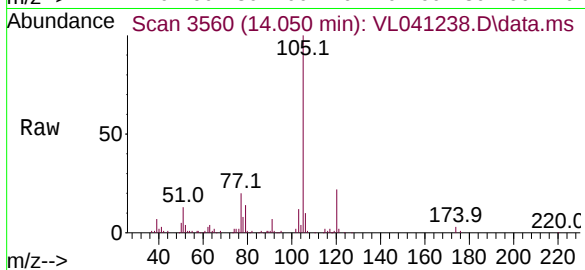
LOQ-AIR-02-QT2-2024

Tgt Ion:105 Resp: 177158

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.340 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

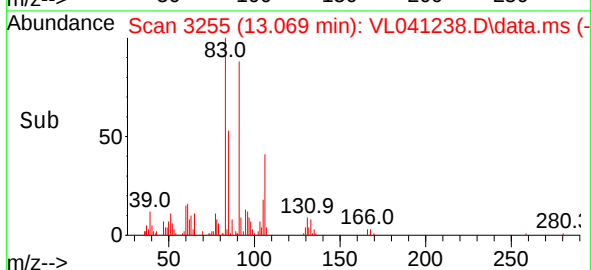
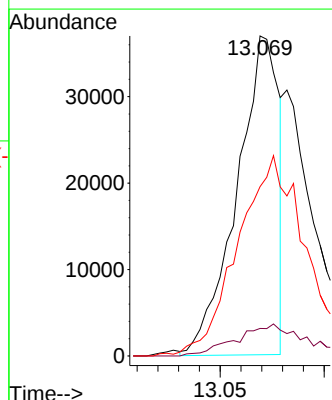
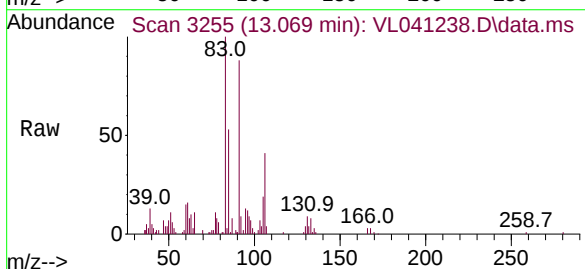
Tgt Ion: 83 Resp: 51713

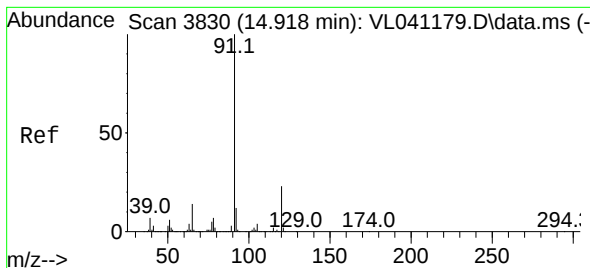
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.7 98.1#





#64

n-propylbenzene

Concen: 0.241 ppbv

RT: 14.947 min Scan# 3839

Delta R.T. 0.013 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

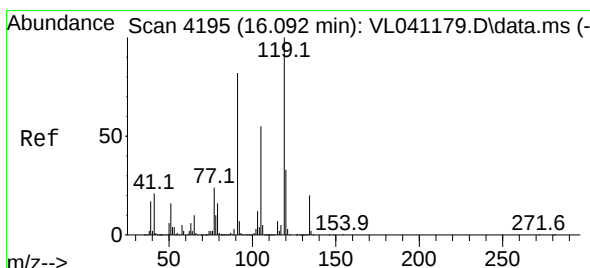
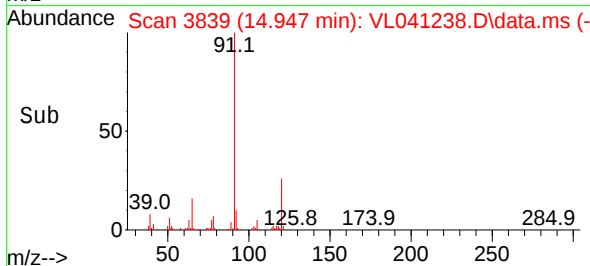
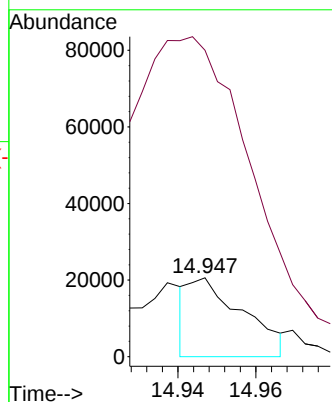
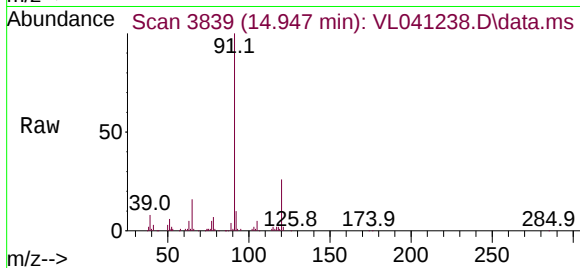
LOQ-AIR-02-QT2-2024

Tgt Ion:120 Resp: 20040

Ion Ratio Lower Upper

120 100

91 1072.5 384.8 577.2#



#65

tert-Butylbenzene

Concen: 0.250 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

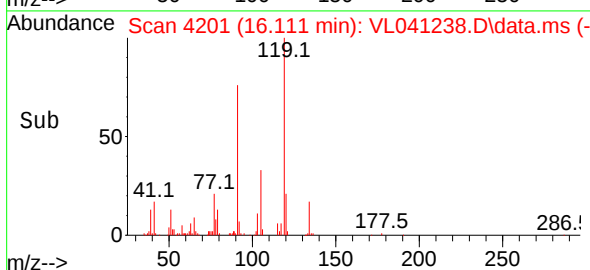
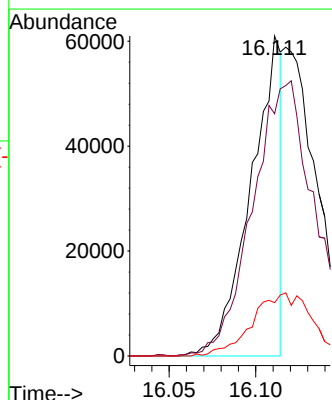
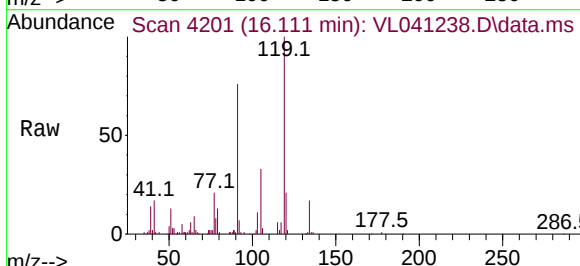
Tgt Ion:119 Resp: 74663

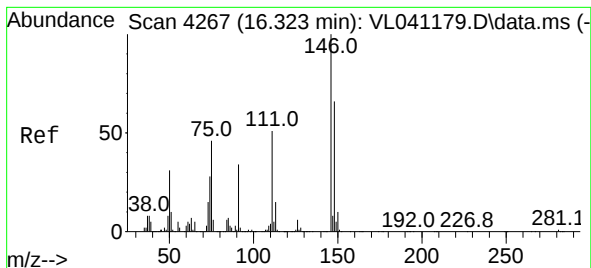
Ion Ratio Lower Upper

119 100

91 0.0 67.0 100.4#

134 0.0 15.2 22.8#





#66

Benzyl Chloride

Concen: 0.081 ppbv

RT: 16.368 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

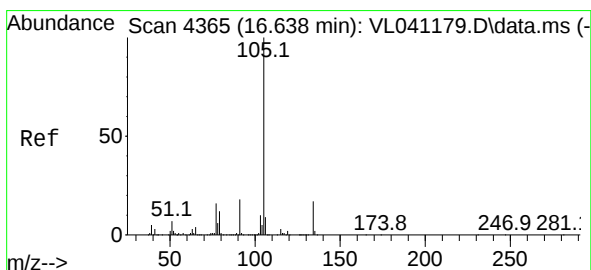
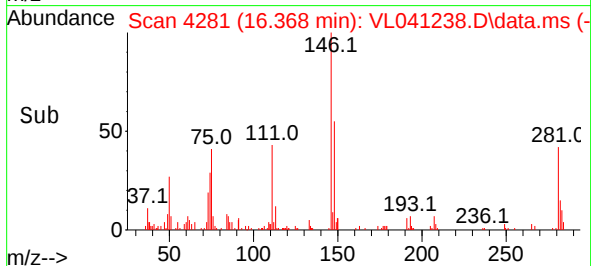
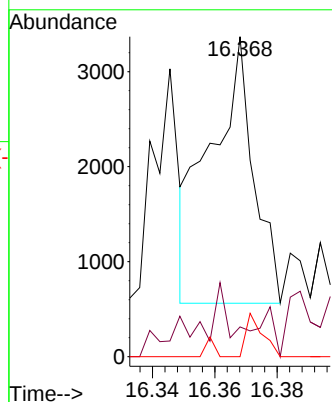
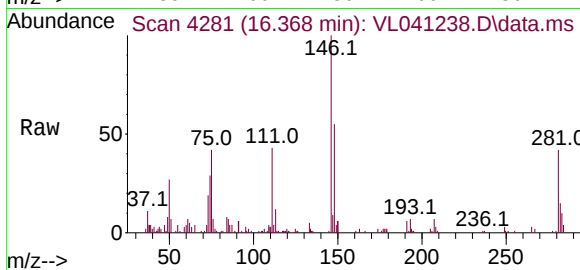
Tgt Ion: 91 Resp: 2734

Ion Ratio Lower Upper

91 100

126 43.3 14.6 21.8#

128 7.6 4.7 7.1#



#67

sec-Butylbenzene

Concen: 0.288 ppbv

RT: 16.657 min Scan# 4371

Delta R.T. 0.006 min

Lab File: VL041238.D

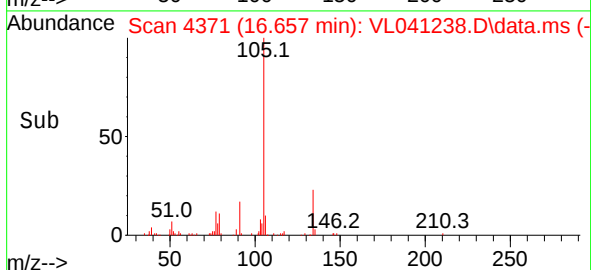
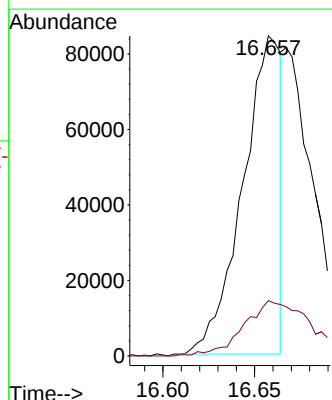
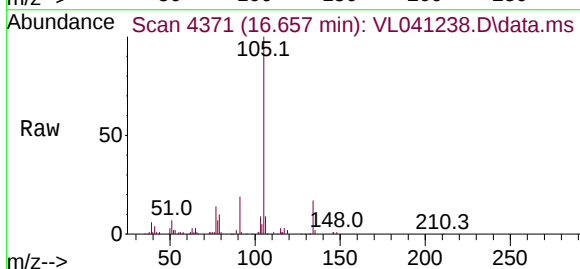
Acq: 8 May 2024 11:18

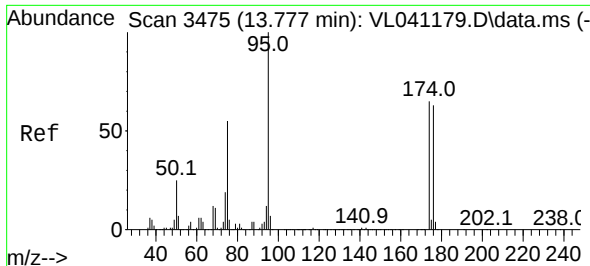
Tgt Ion:105 Resp: 121232

Ion Ratio Lower Upper

105 100

134 31.4 13.8 20.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.133 ppbv

RT: 13.802 min Scan# 3475

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

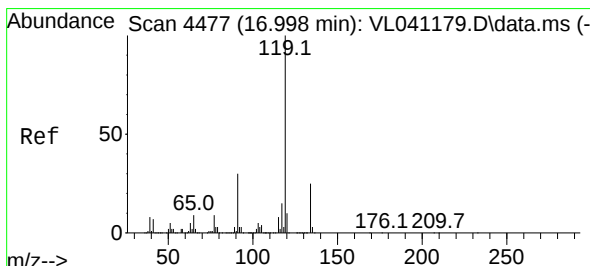
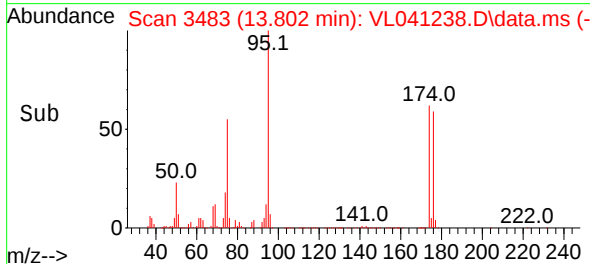
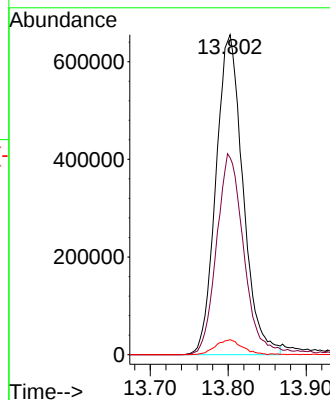
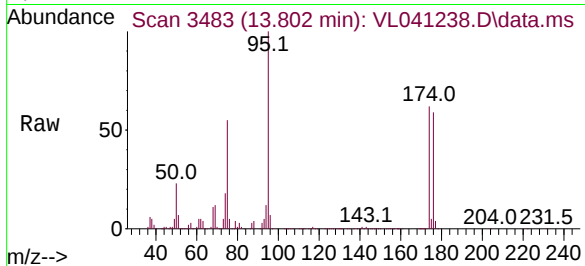
Tgt Ion: 95 Resp: 1579457

Ion Ratio Lower Upper

95 100

174 64.8 53.6 80.4

175 4.7 4.2 6.4



#69

p-Isopropyltoluene

Concen: 0.276 ppbv

RT: 17.021 min Scan# 4484

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

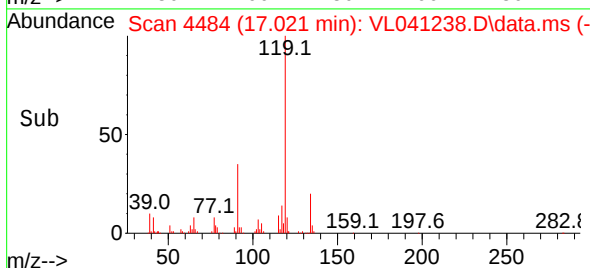
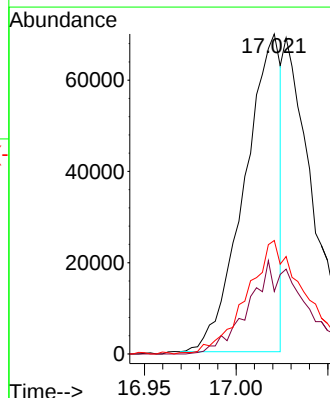
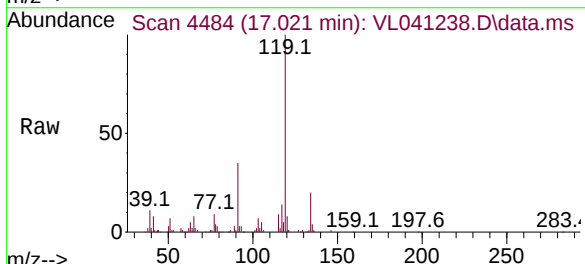
Tgt Ion: 119 Resp: 95831

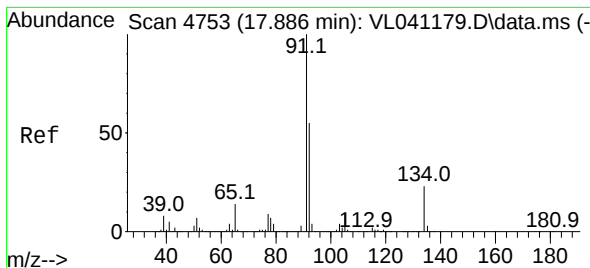
Ion Ratio Lower Upper

119 100

134 46.7 20.1 30.1#

91 61.6 24.2 36.2#





#70

n-Butylbenzene

Concen: 0.479 ppbv

RT: 17.918 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

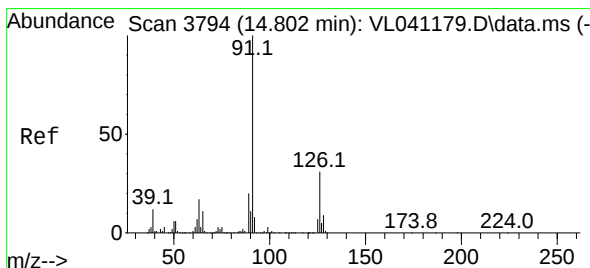
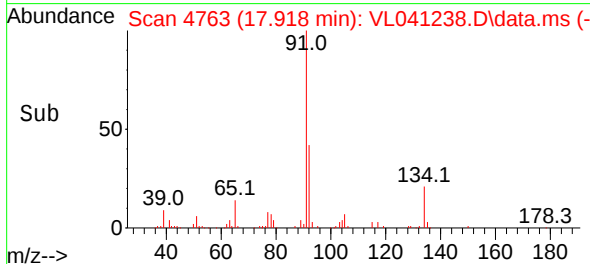
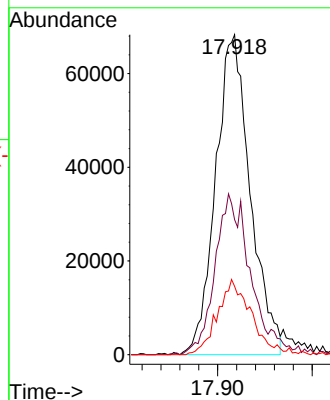
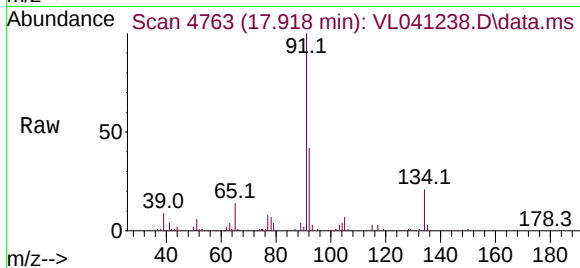
Tgt Ion: 91 Resp: 173498

Ion Ratio Lower Upper

91 100

92 51.6 43.3 64.9

134 23.3 17.8 26.8



#71

2-Chlorotoluene

Concen: 0.518 ppbv

RT: 14.828 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VL041238.D

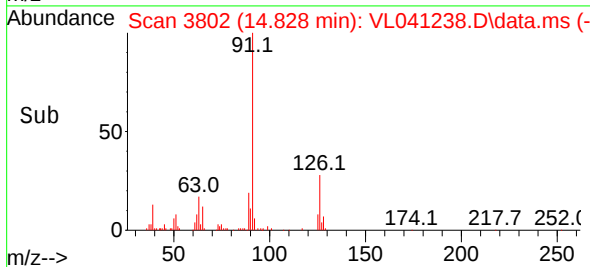
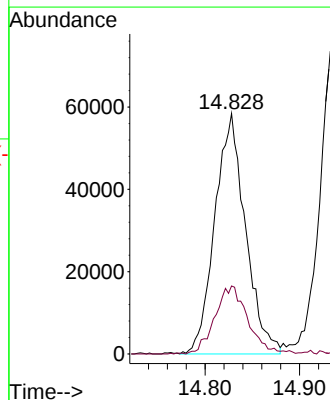
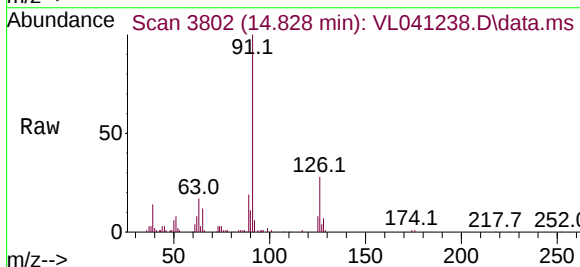
Acq: 8 May 2024 11:18

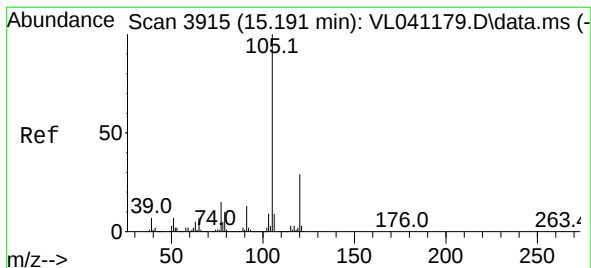
Tgt Ion: 91 Resp: 131554

Ion Ratio Lower Upper

91 100

126 30.5 12.2 48.8





#72

4-Ethyltoluene

Concen: 0.490 ppbv

RT: 15.217 min Scan# 3915

Delta R.T. 0.006 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion:105 Resp: 123690

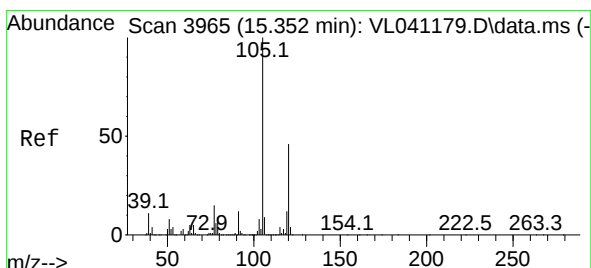
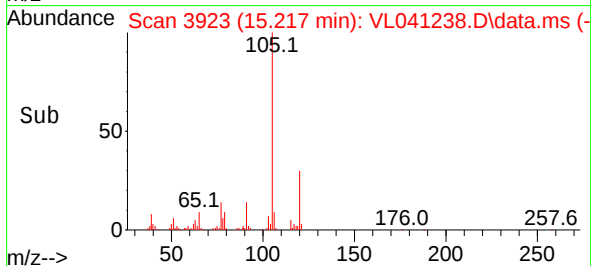
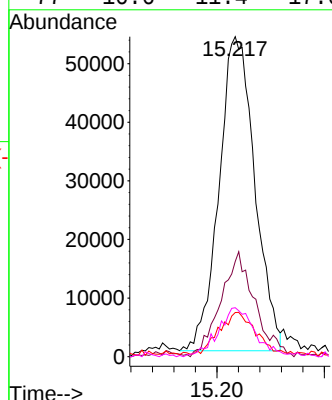
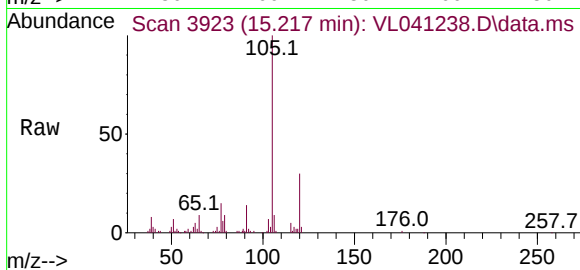
Ion Ratio Lower Upper

105 100

120 33.5 24.7 37.1

91 16.9 10.3 15.5#

77 16.6 11.4 17.0



#73

1,3,5-Trimethylbenzene

Concen: 0.475 ppbv

RT: 15.378 min Scan# 3973

Delta R.T. 0.006 min

Lab File: VL041238.D

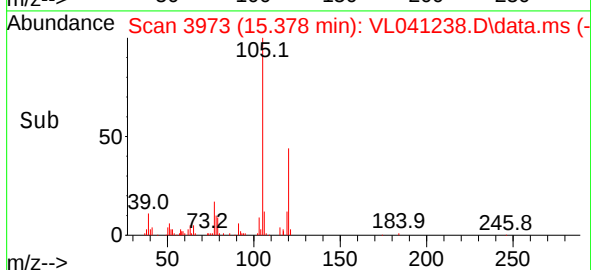
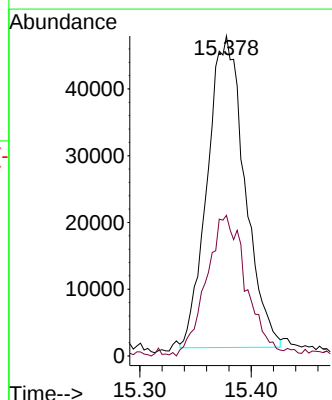
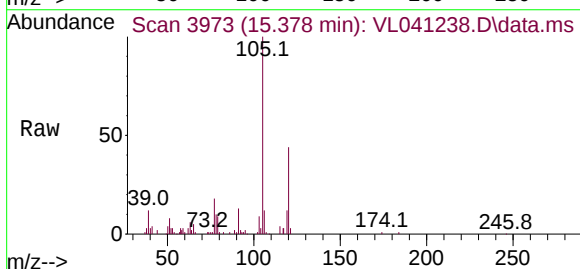
Acq: 8 May 2024 11:18

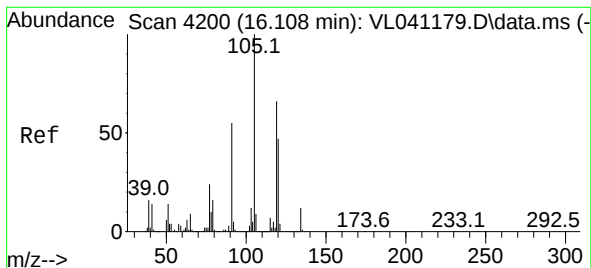
Tgt Ion:105 Resp: 108649

Ion Ratio Lower Upper

105 100

120 44.1 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.234 ppbv

RT: 16.127 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion:105 Resp: 58379

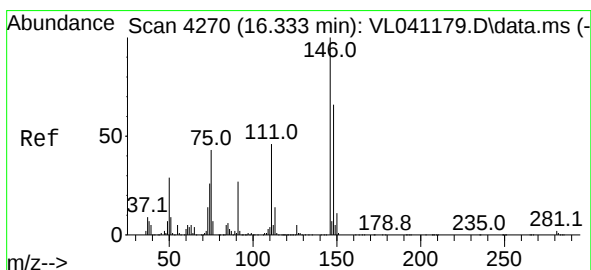
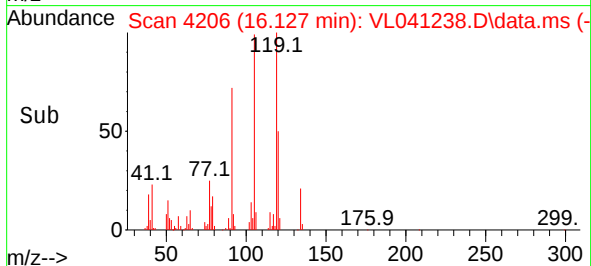
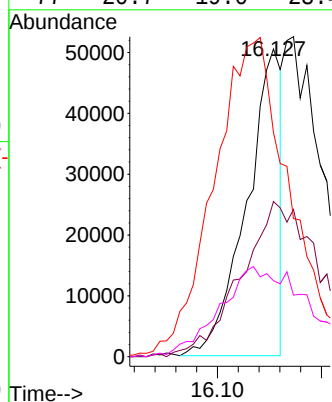
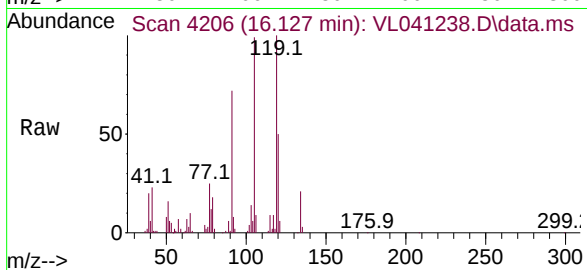
Ion Ratio Lower Upper

105 100

120 48.6 37.8 56.6

91 58.3 44.3 66.5

77 20.7 19.0 28.4



#75

1,3-Dichlorobenzene

Concen: 0.531 ppbv

RT: 16.358 min Scan# 4278

Delta R.T. 0.010 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

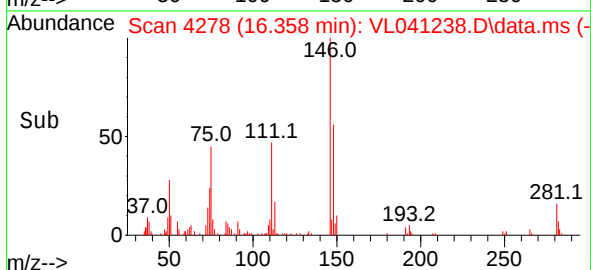
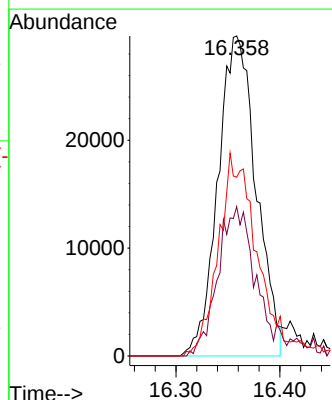
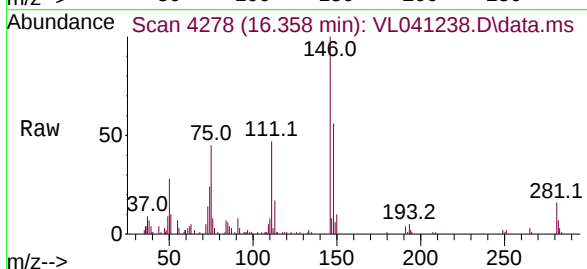
Tgt Ion:146 Resp: 75970

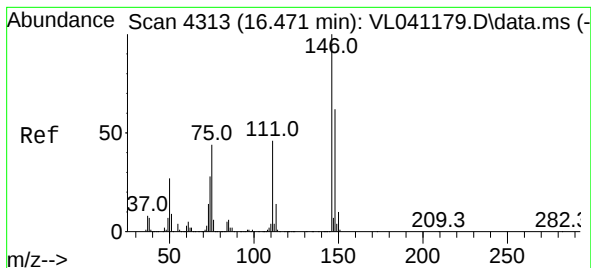
Ion Ratio Lower Upper

146 100

111 49.5 23.7 71.1

148 65.1 32.5 97.4





#76

1,4-Dichlorobenzene

Concen: 0.527 ppbv

RT: 16.503 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

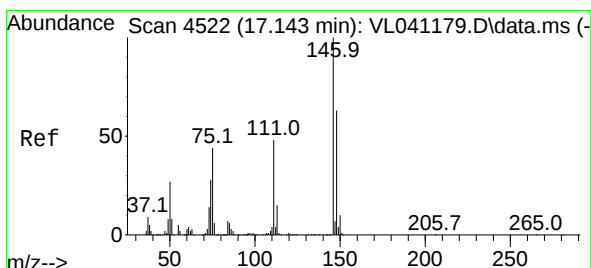
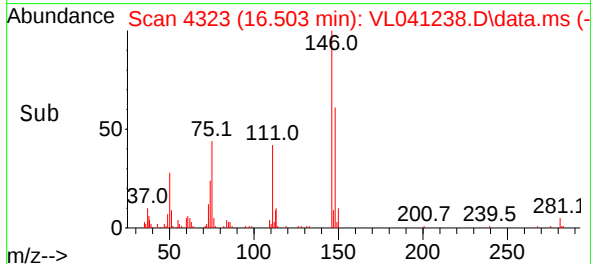
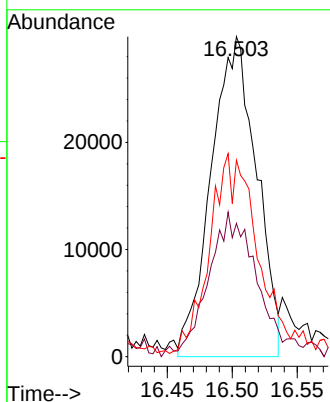
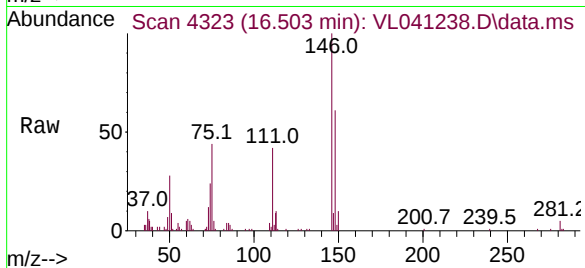
Tgt Ion:146 Resp: 72564

Ion Ratio Lower Upper

146 100

111 51.1 23.3 69.8

148 73.0 32.6 97.7



#77

1,2-Dichlorobenzene

Concen: 0.233 ppbv

RT: 17.165 min Scan# 4529

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

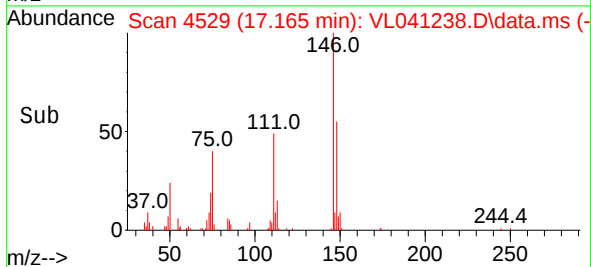
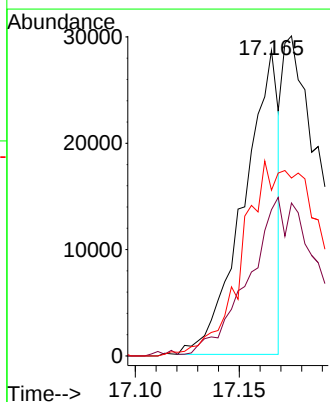
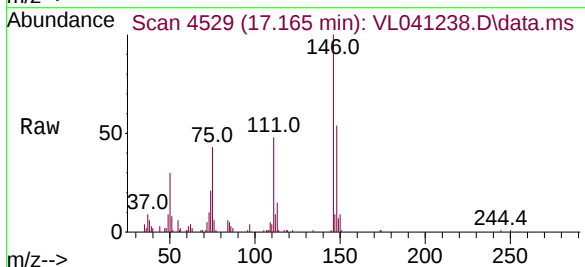
Tgt Ion:146 Resp: 33330

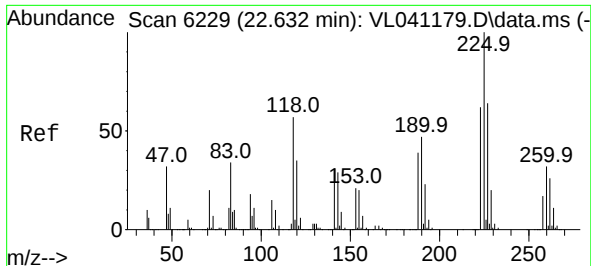
Ion Ratio Lower Upper

146 100

111 115.8 24.5 73.5#

148 157.0 32.6 98.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.258 ppbv

RT: 22.657 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

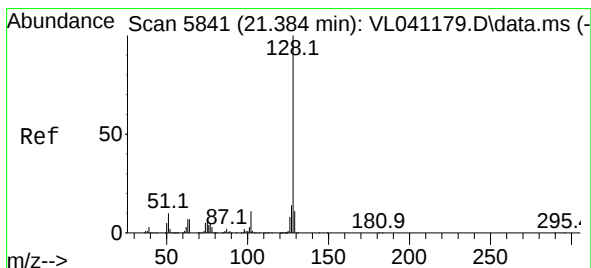
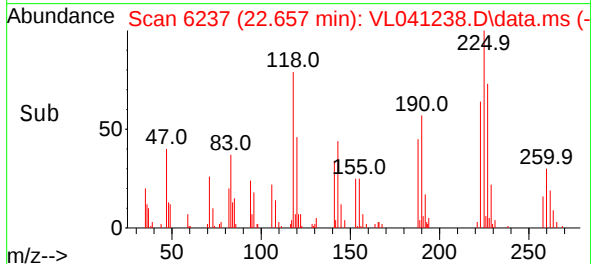
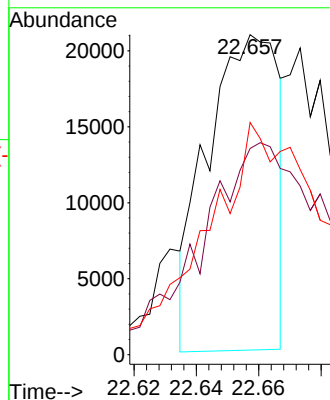
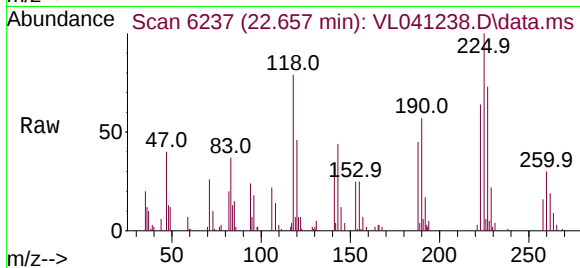
Tgt Ion:225 Resp: 32839

Ion Ratio Lower Upper

225 100

223 130.4 50.9 76.3#

227 129.8 52.0 78.0#



#79

Naphthalene

Concen: 0.162 ppbv

RT: 21.413 min Scan# 5850

Delta R.T. 0.009 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

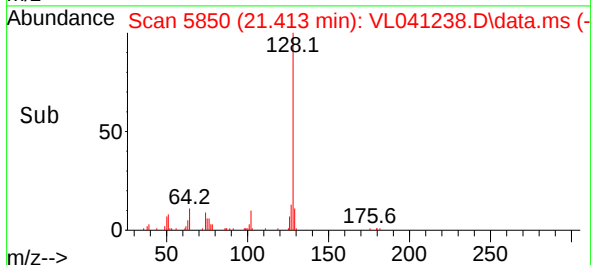
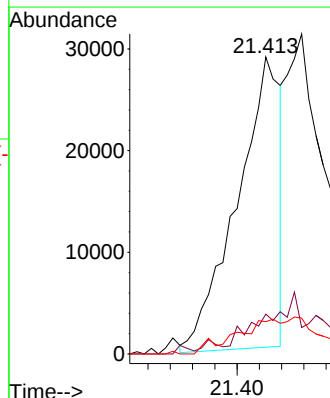
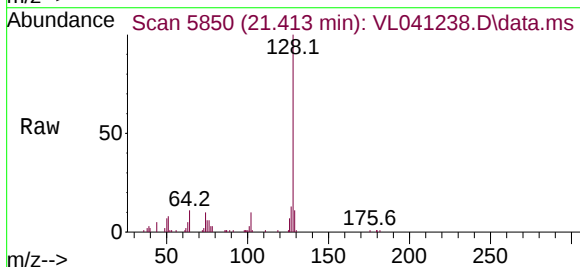
Tgt Ion:128 Resp: 38425

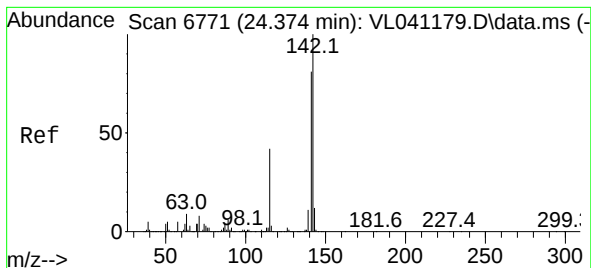
Ion Ratio Lower Upper

128 100

127 10.8 10.8 16.2

129 11.2 8.9 13.3





#80

Naphthalene, 2-methyl-

Concen: 0.037 ppbv

RT: 24.429 min Scan# 61

Delta R.T. 0.038 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

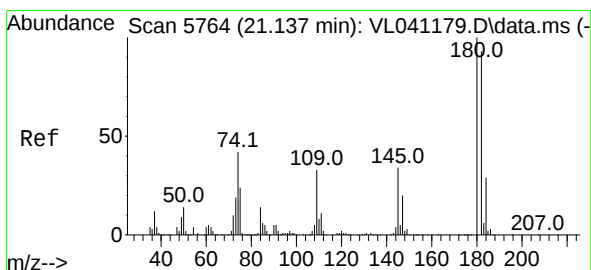
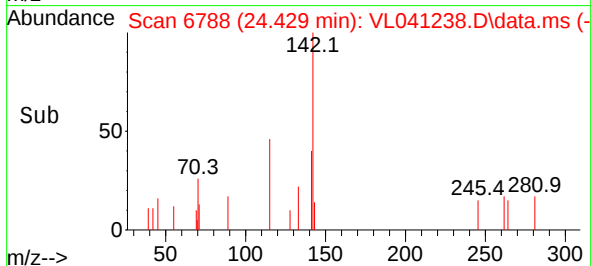
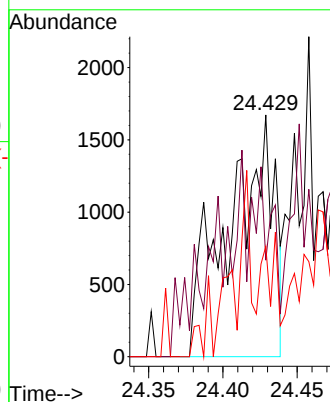
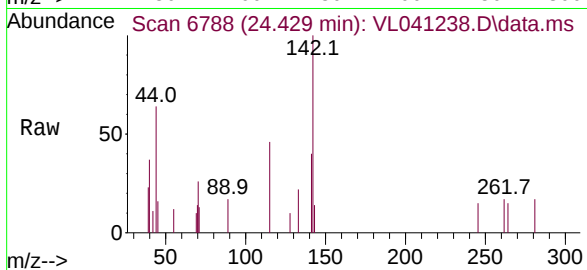
Tgt Ion:142 Resp: 3546

Ion Ratio Lower Upper

142 100

141 0.0 67.9 101.9#

115 28.5 31.4 47.0#



#81

1,2,4-Trichlorobenzene

Concen: 0.217 ppbv

RT: 21.169 min Scan# 5774

Delta R.T. 0.003 min

Lab File: VL041238.D

Acq: 8 May 2024 11:18

Tgt Ion:180 Resp: 27208

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8#

184 57.0 24.6 36.8#

