

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041015.D
 Acq On : 24 Jan 2024 14:30
 Operator : SY/MD
 Sample : P1187-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:18:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	1049279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2731603	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2365007	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1793482	10.040	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	113621	0.490	ppbv	94
3) Chlorodifluoromethane	2.652	51	86545	0.490	ppbv	98
4) Chloromethane	2.787	50	30677	0.464	ppbv #	87
5) Vinyl Chloride	2.899	62	30137	0.465	ppbv	97
6) Bromomethane	3.092	94	14052	0.498	ppbv	93
7) Chloroethane	3.173	64	7456	0.319	ppbv #	86
8) Dichlorotetrafluoroethane	2.832	85	85922	0.496	ppbv	95
9) Propene	2.668	41	27733	0.479	ppbv	98
10) Heptane	7.549	43	28993	0.204	ppbv #	22
11) Trichlorofluoromethane	3.536	101	88688	0.475	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.034	101	31592	0.233	ppbv #	14
13) Ethanol	3.243	45	8572	0.621	ppbv	97
14) Bromoethene	3.343	108	11155	0.215	ppbv #	1
15) Acetone	3.459	43	71830	0.535	ppbv	95
16) 1,3-Butadiene	2.957	39	26372	0.411	ppbv	93
17) tert-Butyl alcohol	3.867	59	55318	0.503	ppbv	99
18) 1,1-Dichloroethene	3.854	96	26047	0.450	ppbv	93
19) Isopropyl Alcohol	3.565	45	35592	0.458	ppbv #	85
20) Methylene Chloride	3.906	84	28489	0.552	ppbv #	73
21) Allyl Chloride	3.973	41	36674	0.450	ppbv	97
22) trans-1,2-Dichloroethene	4.414	96	24966	0.418	ppbv	96
23) Vinyl Acetate	4.610	43	51415	0.372	ppbv #	91
24) 1,1-Dichloroethane	4.539	63	25784	0.210	ppbv	97
25) Ethyl Acetate	5.185	43	106035	0.436	ppbv	98
26) Hexane	5.189	57	20313	0.196	ppbv #	1
27) Carbon Disulfide	4.099	76	55161	0.409	ppbv #	82
28) Methyl tert-Butyl Ether	4.568	73	36457	0.424	ppbv #	87
29) Chloroform	5.240	83	91001	0.495	ppbv	91
30) Cyclohexane	6.568	84	21428	0.247	ppbv #	36
31) cis-1,2-Dichloroethene	5.050	61	46464	0.477	ppbv	90
32) 1,1,1-Trichloroethane	5.970	97	81092	0.461	ppbv	97
34) 2-Butanone	4.774	43	56305	0.433	ppbv #	90
35) Carbon Tetrachloride	6.465	117	82464	0.453	ppbv	90
36) Benzene	6.340	78	100453	0.445	ppbv #	94
37) 1,2-Dichloroethane	5.777	62	58918	0.428	ppbv	99
38) Trichloroethene	7.262	130	34724	0.384	ppbv	95
39) 1,2-Dichloropropane	7.044	63	35111	0.395	ppbv #	76
41) Tetrahydrofuran	5.555	42	23040	0.261	ppbv #	64
42) Bromodichloromethane	7.217	83	81649	0.414	ppbv	93
43) Methyl Methacrylate	7.449	69	12413	0.143	ppbv #	1
44) 2,2,4-Trimethylpentane	7.291	57	159471	0.420	ppbv	94
45) t-1,3-Dichloropropene	8.671	75	8849	0.149	ppbv	95
46) cis-1,3-Dichloropropene	8.114	75	23663	0.319	ppbv #	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041015.D
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 Sample : P1187-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

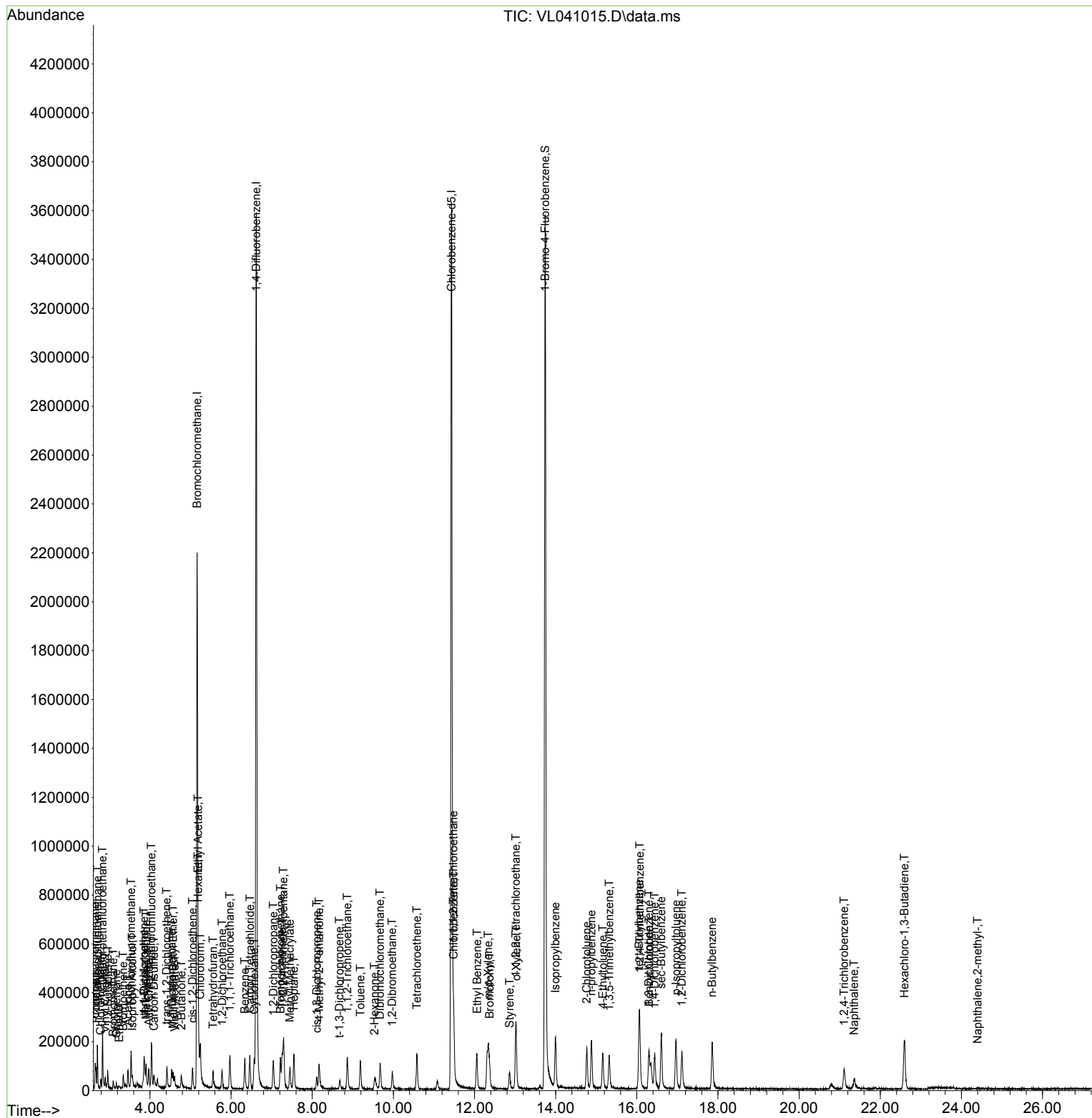
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

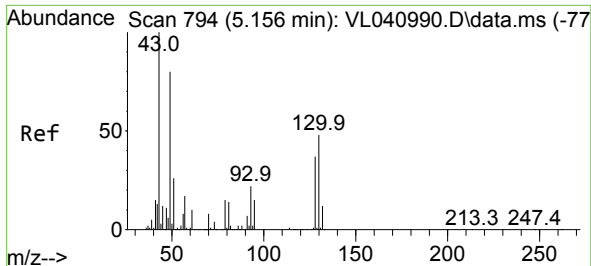
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.867	97	28475	0.297	ppbv	96
48) Dibromochloromethane	9.671	129	63945	0.395	ppbv	97
49) Bromoform	12.375	173	48046	0.378	ppbv	97
50) 4-Methyl-2-Pentanone	8.172	43	76346	0.333	ppbv	93
51) 2-Hexanone	9.532	43	14683	0.089	ppbv #	31
52) Tetrachloroethene	10.581	164	32031	0.428	ppbv	89
53) Toluene	9.188	91	93547	0.379	ppbv	96
54) 1,2-Dibromoethane	9.973	107	53961	0.416	ppbv #	80
56) 1,1,1,2-Tetrachloroethane	11.478	131	16617	0.146	ppbv #	1
57) Chlorobenzene	11.487	112	90132	0.474	ppbv	88
58) Ethyl Benzene	12.063	91	48368	0.152	ppbv	99
59) m/p-Xylene	12.336	91	112708	0.407	ppbv #	30
60) o-Xylene	13.027	91	56541	0.213	ppbv #	31
61) Styrene	12.867	104	21089	0.173	ppbv #	30
62) Isopropylbenzene	13.995	105	77405	0.197	ppbv #	38
63) 1,1,2,2-Tetrachloroethane	13.018	83	90411	0.438	ppbv	93
64) n-propylbenzene	14.883	120	39364	0.397	ppbv	75
65) tert-Butylbenzene	16.056	119	138732	0.404	ppbv	90
66) Benzyl Chloride	16.304	91	2142	0.095	ppbv	97
67) sec-Butylbenzene	16.603	105	199921	0.400	ppbv	98
69) p-Isopropyltoluene	16.966	119	155849	0.403	ppbv	95
70) n-Butylbenzene	17.854	91	158360	0.379	ppbv	95
71) 2-Chlorotoluene	14.767	91	121723	0.402	ppbv	99
72) 4-Ethyltoluene	15.162	105	110236	0.372	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.320	105	76171	0.289	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	125307	0.420	ppbv	98
75) 1,3-Dichlorobenzene	16.294	146	10144	0.060	ppbv #	1
76) 1,4-Dichlorobenzene	16.439	146	20654	0.123	ppbv #	1
77) 1,2-Dichlorobenzene	17.111	146	37951	0.225	ppbv #	13
78) Hexachloro-1,3-Butadiene	22.596	225	15139	0.139	ppbv #	1
79) Naphthalene	21.355	128	29348	0.172	ppbv #	86
80) Naphthalene,2-methyl-	24.400	142	2819	0.094	ppbv #	88
81) 1,2,4-Trichlorobenzene	21.108	180	3825	0.038	ppbv #	1

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

Quant Time: Jan 25 03:18:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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QLast Update : Thu Jan 25 03:13:06 2024
Response via : Initial Calibration

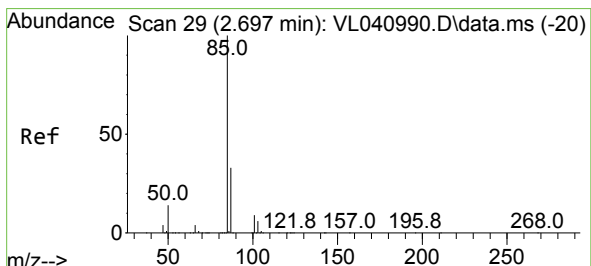
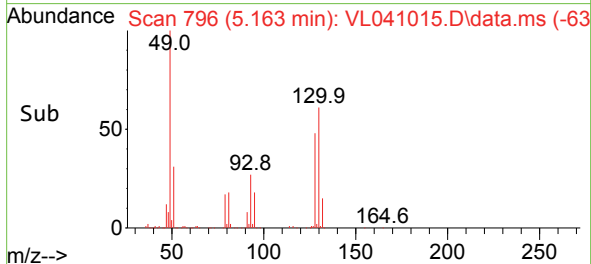
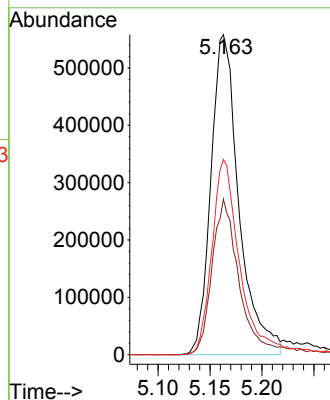
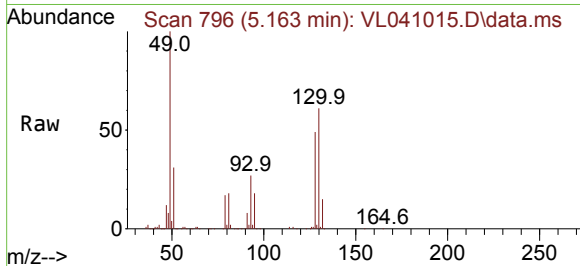




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.163 min Scan# 794
 Delta R.T. 0.007 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

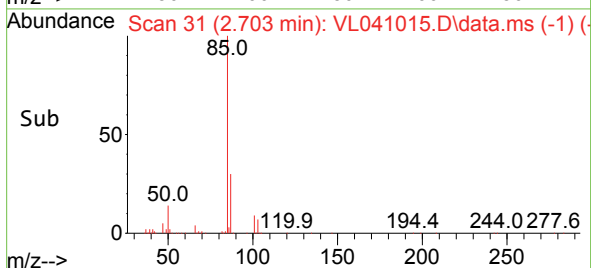
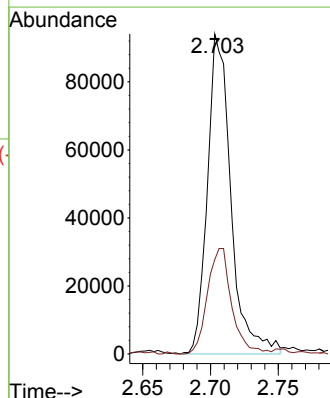
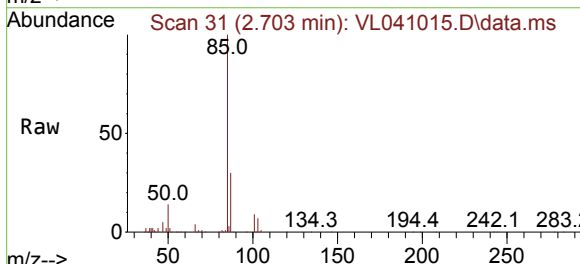
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

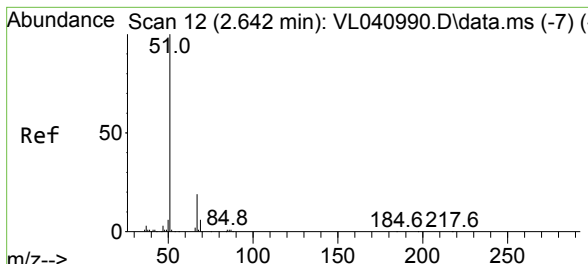
Tgt Ion: 49 Resp: 1049279
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.9 71.7
 130 64.0 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.490 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 85 Resp: 113621
 Ion Ratio Lower Upper
 85 100
 87 29.5 26.3 39.5

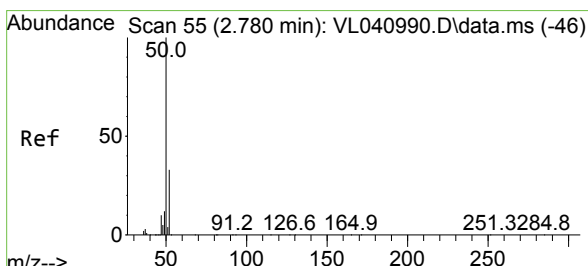
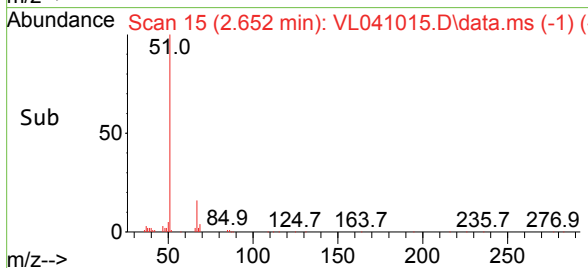
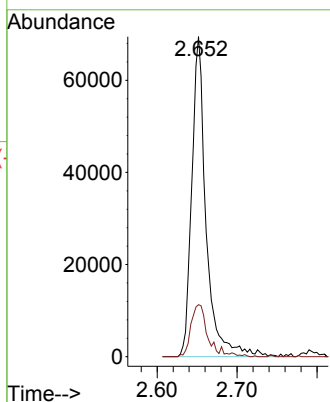
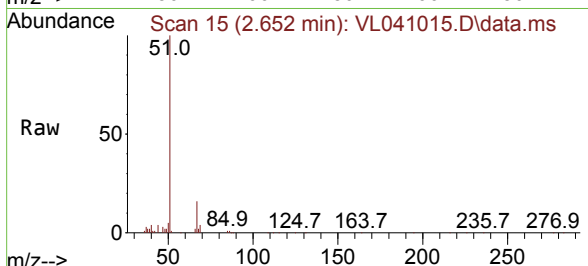




#3
 Chlorodifluoromethane
 Concen: 0.490 ppbv
 RT: 2.652 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

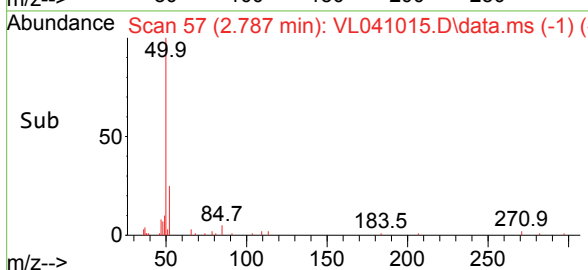
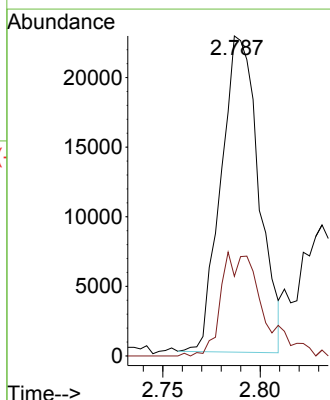
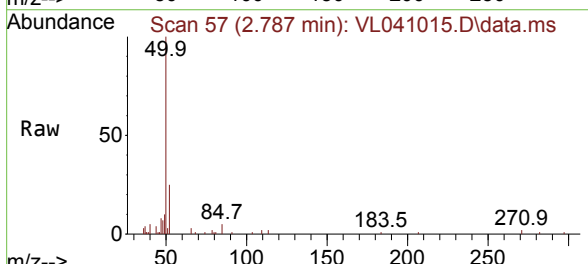
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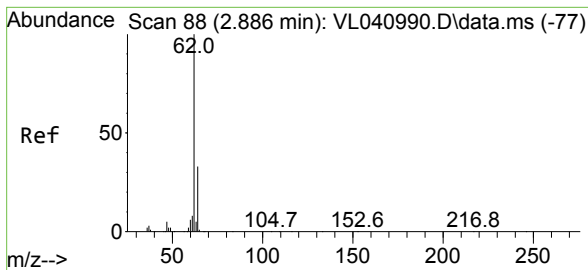
Tgt Ion: 51 Resp: 86545
 Ion Ratio Lower Upper
 51 100
 67 19.3 14.8 22.2



#4
 Chloromethane
 Concen: 0.464 ppbv
 RT: 2.787 min Scan# 57
 Delta R.T. 0.003 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 50 Resp: 30677
 Ion Ratio Lower Upper
 50 100
 52 25.3 26.2 39.4#

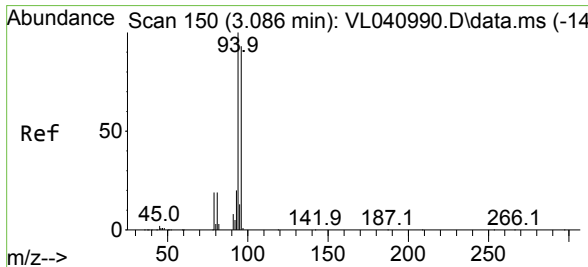
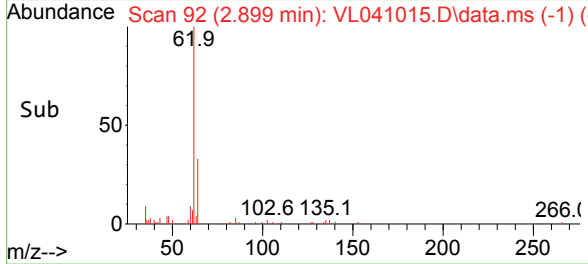
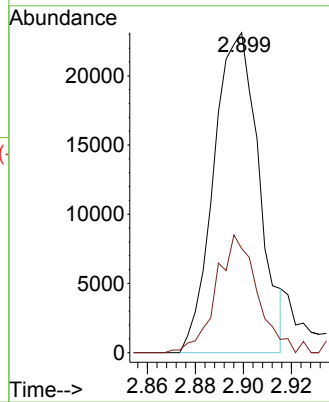
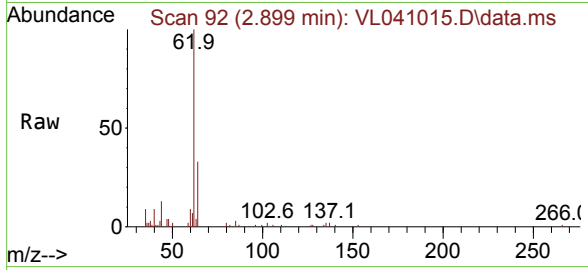




#5
 Vinyl Chloride
 Concen: 0.465 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.010 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

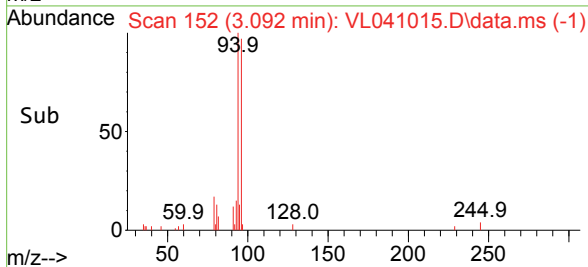
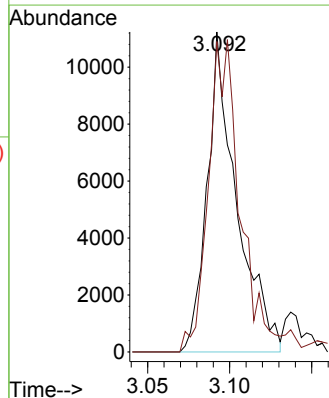
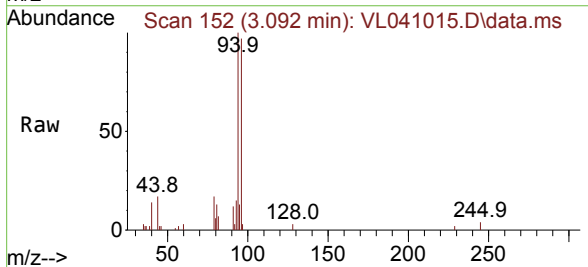
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

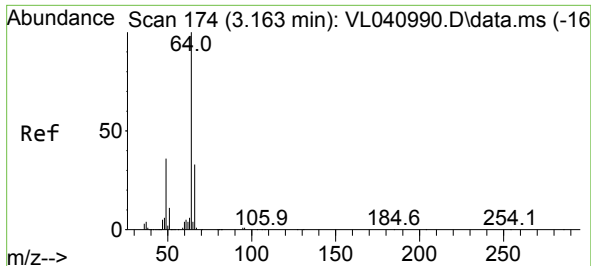
Tgt Ion: 62 Resp: 30137
 Ion Ratio Lower Upper
 62 100
 64 31.7 26.6 40.0



#6
 Bromomethane
 Concen: 0.498 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. 0.003 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 94 Resp: 14052
 Ion Ratio Lower Upper
 94 100
 96 99.8 74.2 111.4

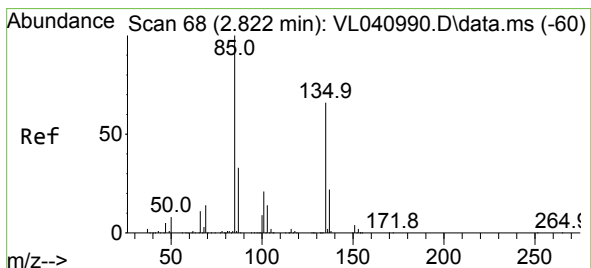
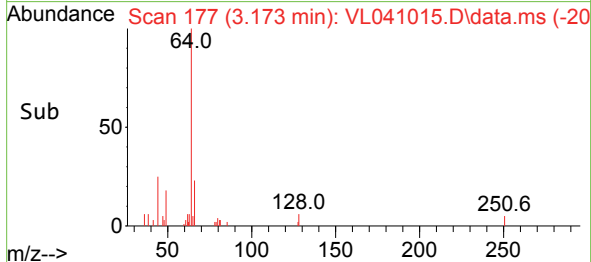
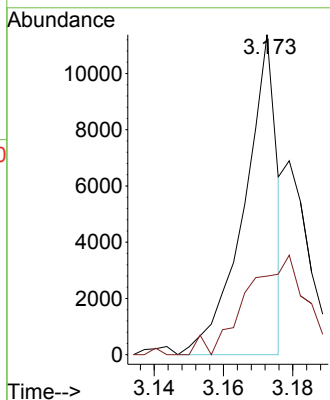
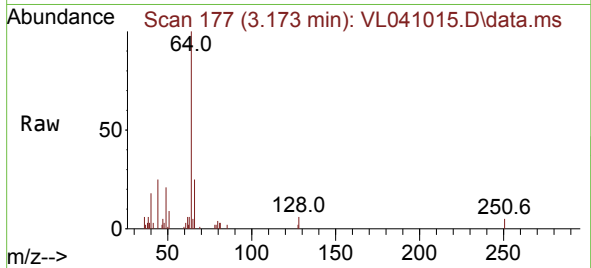




#7
Chloroethane
Concen: 0.319 ppbv
RT: 3.173 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

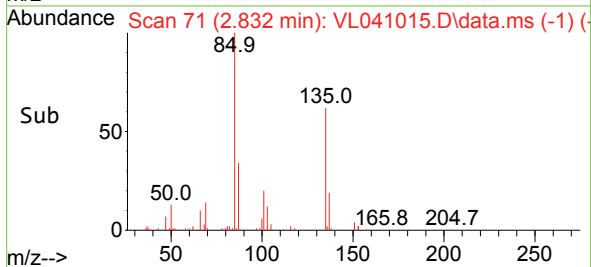
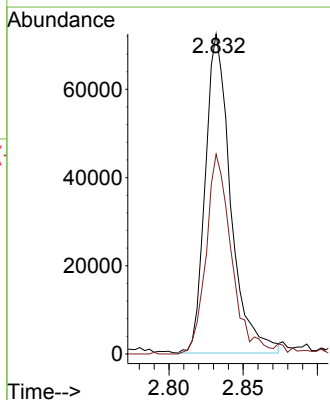
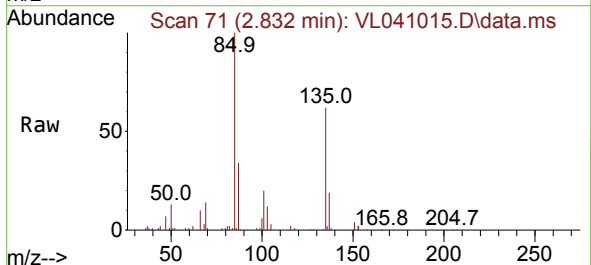
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ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

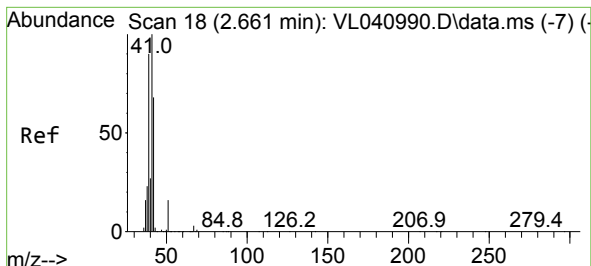
Tgt Ion: 64 Resp: 7456
Ion Ratio Lower Upper
64 100
66 24.5 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.496 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 85 Resp: 85922
Ion Ratio Lower Upper
85 100
135 65.1 55.0 82.6





#9

Propene

Concen: 0.479 ppbv

RT: 2.668 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

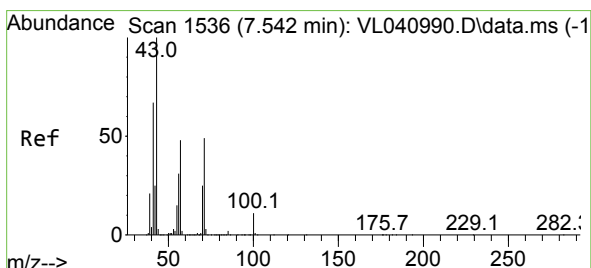
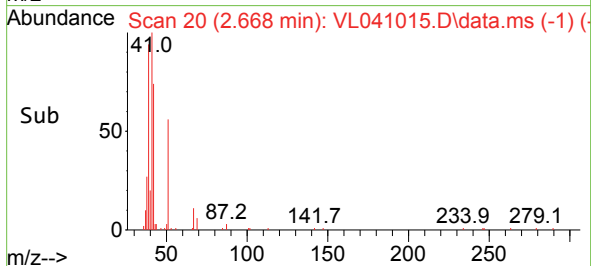
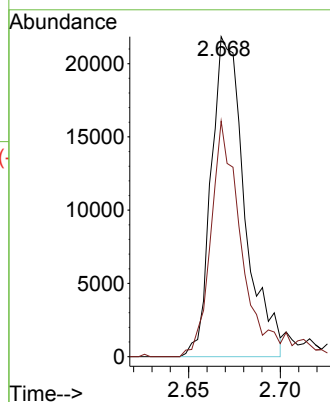
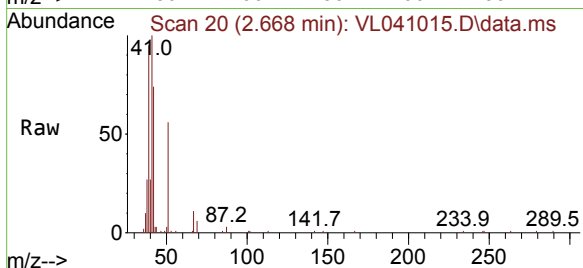
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 41 Resp: 27733

Ion Ratio Lower Upper

41 100

42 71.6 59.0 88.4



#10

Heptane

Concen: 0.204 ppbv

RT: 7.549 min Scan# 1538

Delta R.T. 0.006 min

Lab File: VL041015.D

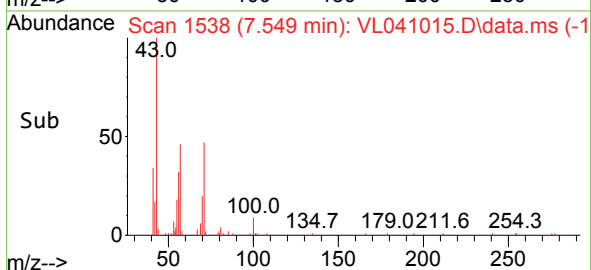
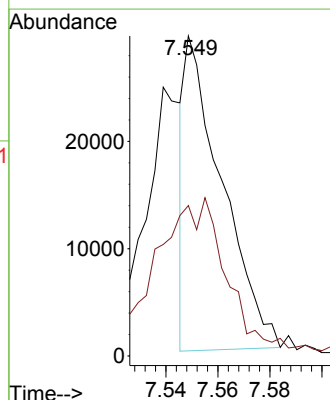
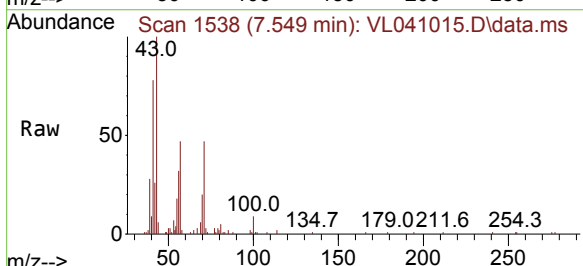
Acq: 24 Jan 2024 14:30

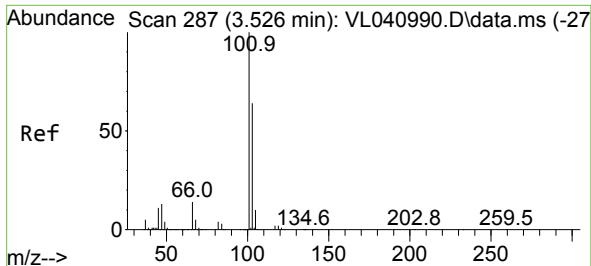
Tgt Ion: 43 Resp: 28993

Ion Ratio Lower Upper

43 100

57 102.6 39.4 59.2#

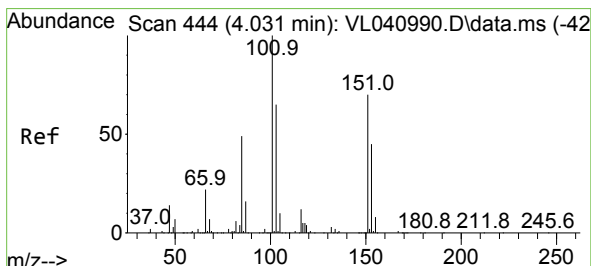
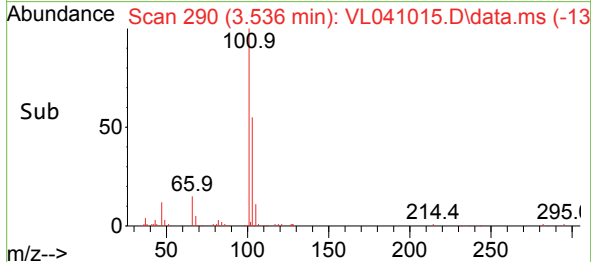
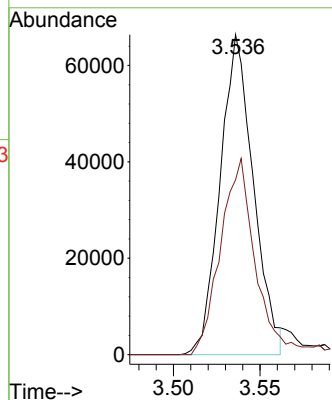
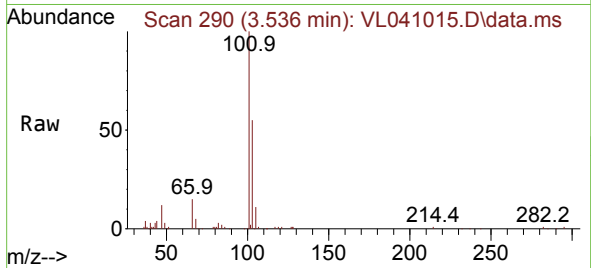




#11
 Trichlorofluoromethane
 Concen: 0.475 ppbv
 RT: 3.536 min Scan# 290
 Delta R.T. 0.006 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

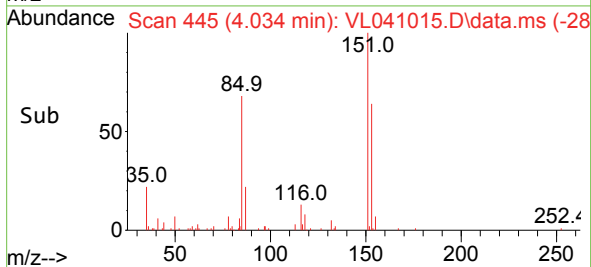
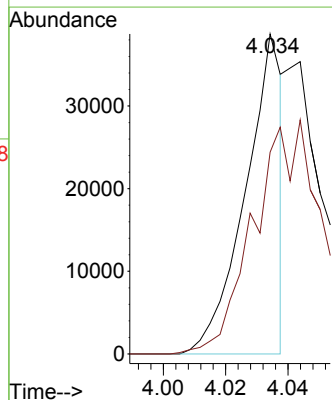
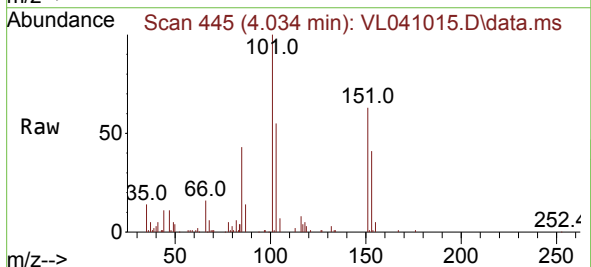
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

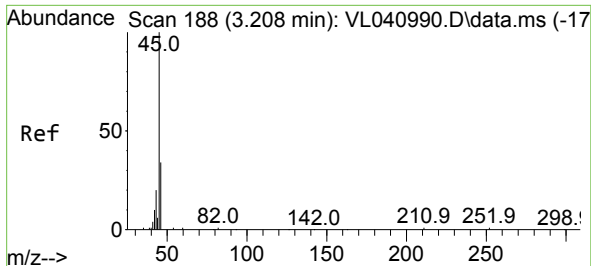
Tgt Ion:101 Resp: 88688
 Ion Ratio Lower Upper
 101 100
 103 54.7 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.233 ppbv
 RT: 4.034 min Scan# 445
 Delta R.T. 0.003 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion:101 Resp: 31592
 Ion Ratio Lower Upper
 101 100
 151 0.0 56.6 85.0#

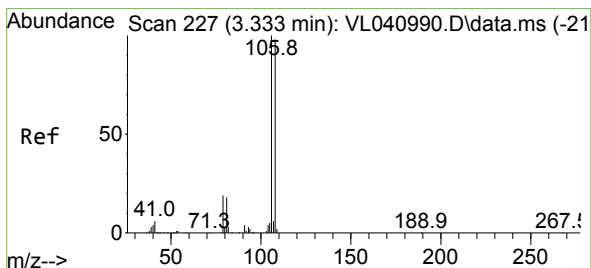
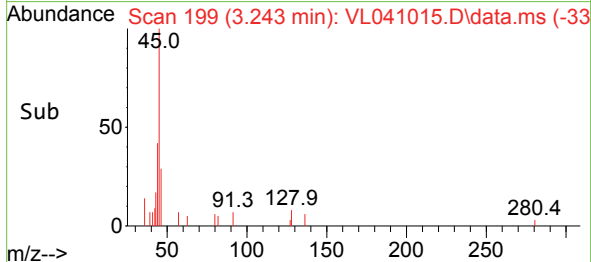
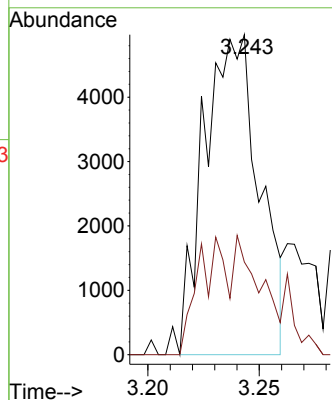
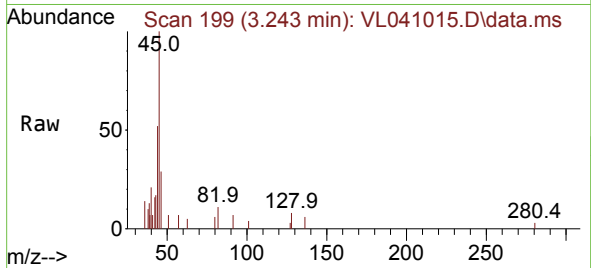




#13
Ethanol
Concen: 0.621 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.035 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

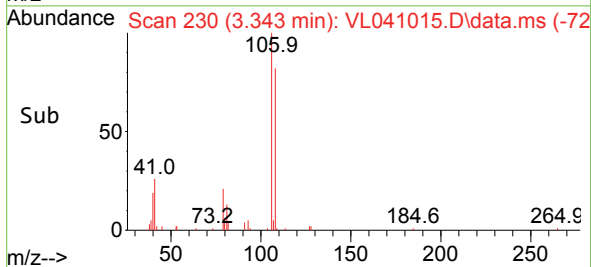
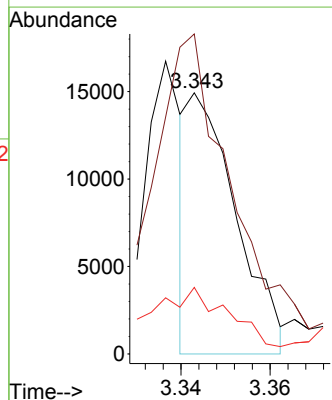
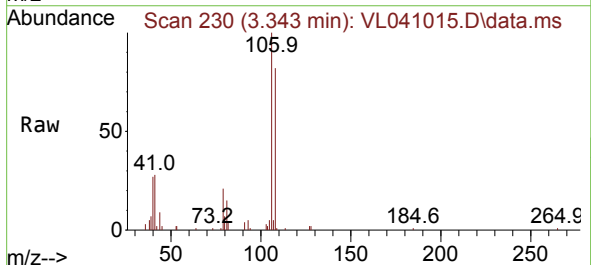
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

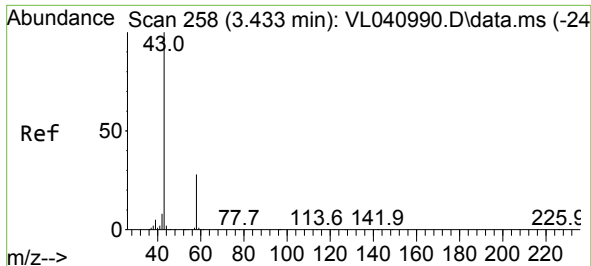
Tgt Ion: 45 Resp: 8572
Ion Ratio Lower Upper
45 100
46 42.2 16.2 64.8



#14
Bromoethene
Concen: 0.215 ppbv
RT: 3.343 min Scan# 230
Delta R.T. 0.010 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 108 Resp: 11155
Ion Ratio Lower Upper
108 100
106 222.4 86.4 129.6#
79 60.9 16.2 24.4#





#15

Acetone

Concen: 0.535 ppbv

RT: 3.459 min Scan# 210

Delta R.T. 0.022 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

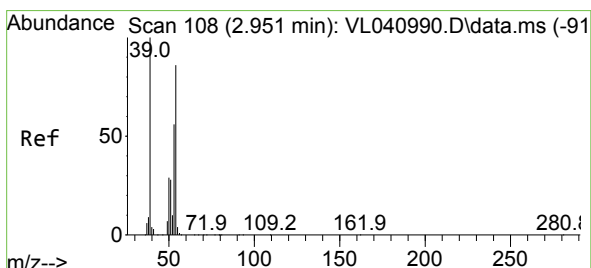
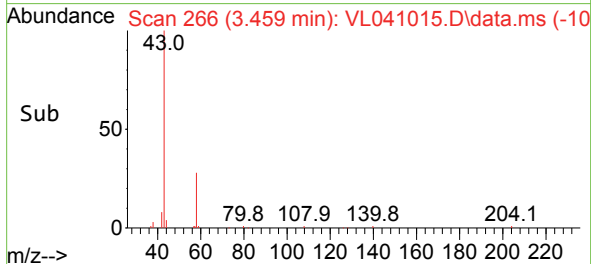
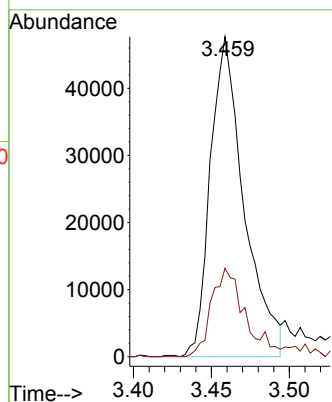
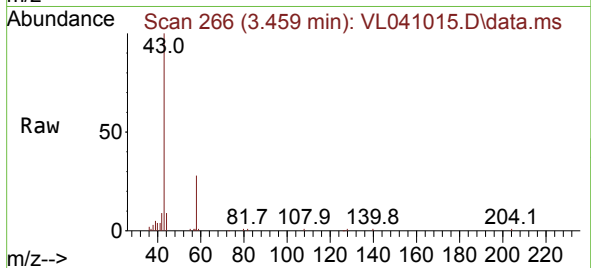
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 43 Resp: 71830

Ion Ratio Lower Upper

43 100

58 30.4 22.2 33.2



#16

1,3-Butadiene

Concen: 0.411 ppbv

RT: 2.957 min Scan# 110

Delta R.T. 0.003 min

Lab File: VL041015.D

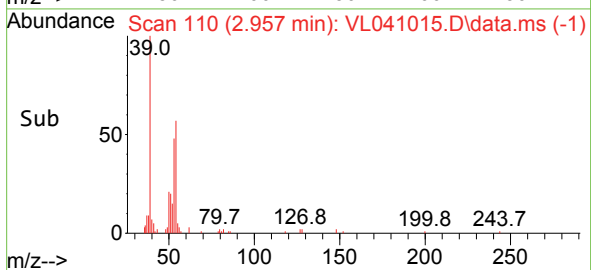
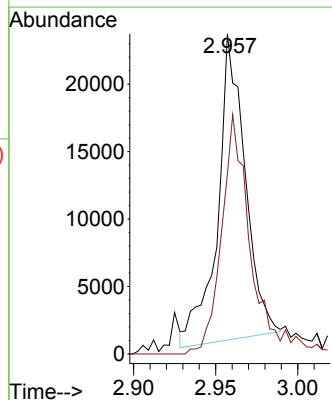
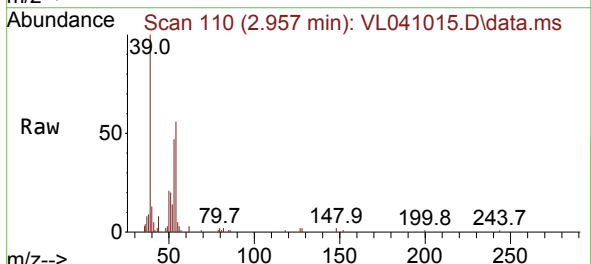
Acq: 24 Jan 2024 14:30

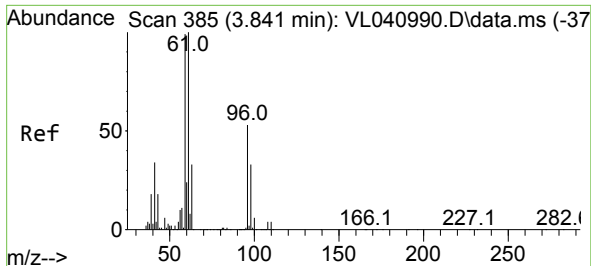
Tgt Ion: 39 Resp: 26372

Ion Ratio Lower Upper

39 100

54 84.4 62.7 94.1





#17

tert-Butyl alcohol

Concen: 0.503 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.022 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

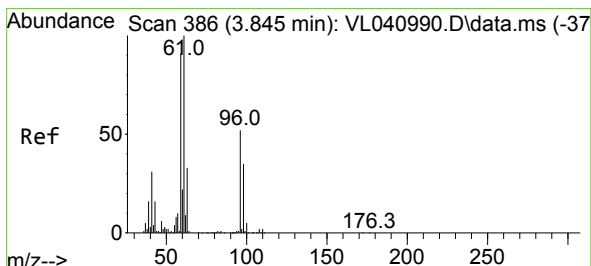
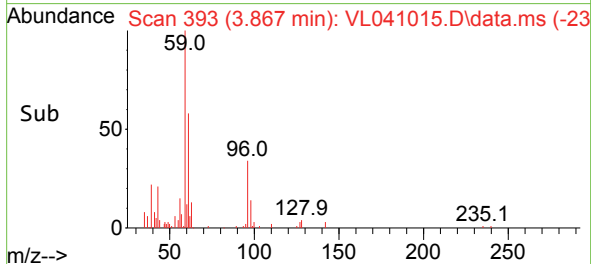
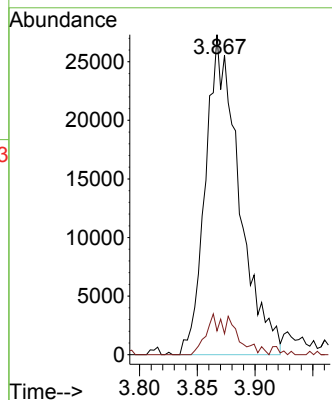
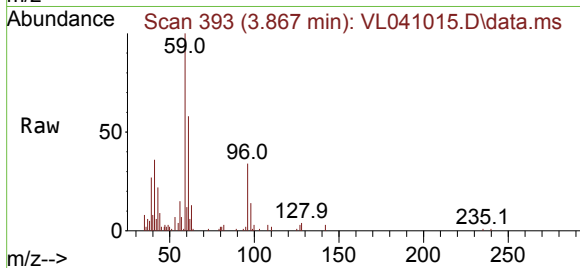
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 59 Resp: 55318

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 0.450 ppbv

RT: 3.854 min Scan# 389

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

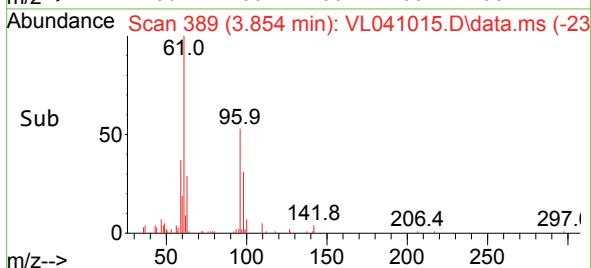
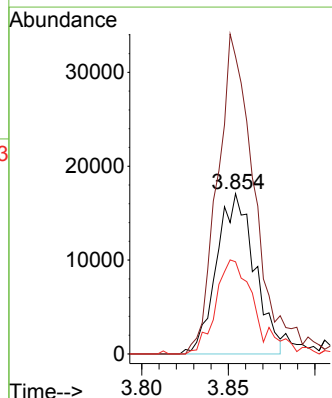
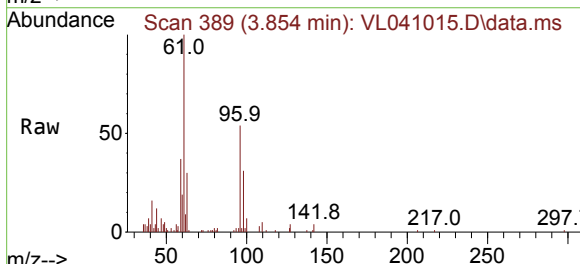
Tgt Ion: 96 Resp: 26047

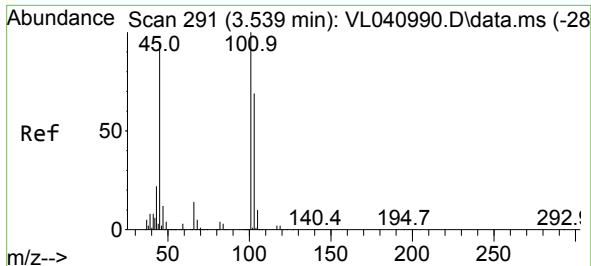
Ion Ratio Lower Upper

96 100

61 185.4 153.8 230.8

98 57.5 53.7 80.5





#19

Isopropyl Alcohol

Concen: 0.458 ppbv

RT: 3.565 min Scan# 291

Delta R.T. 0.019 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

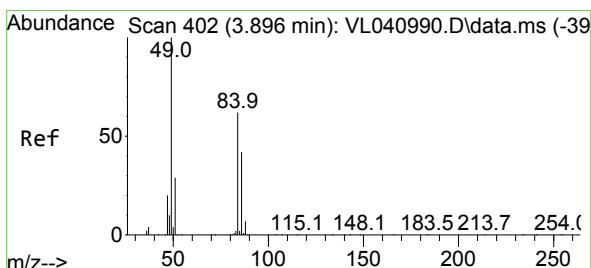
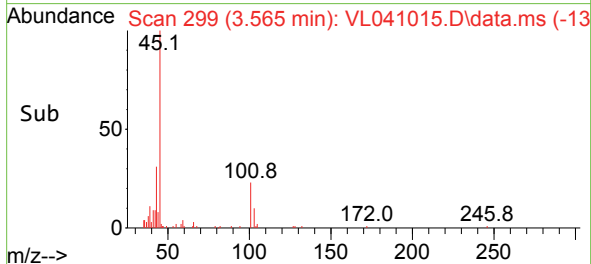
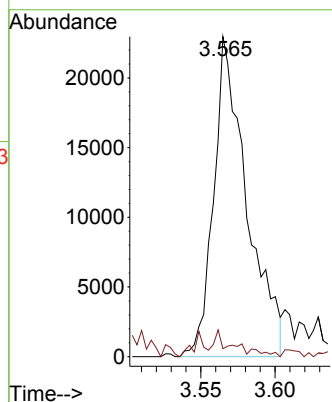
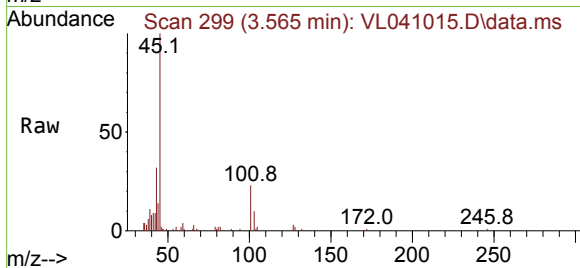
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 45 Resp: 35592

Ion Ratio Lower Upper

45 100

58 7.8 2.2 3.4#



#20

Methylene Chloride

Concen: 0.552 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Tgt Ion: 84 Resp: 28489

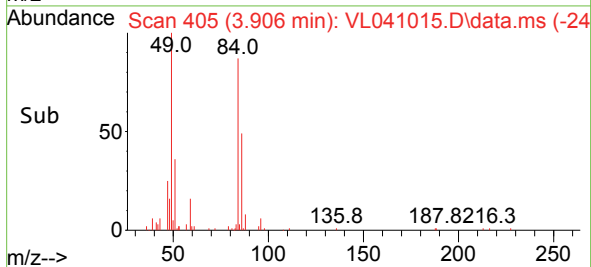
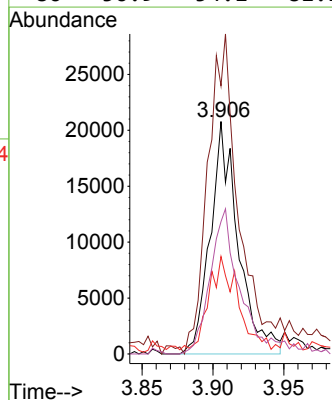
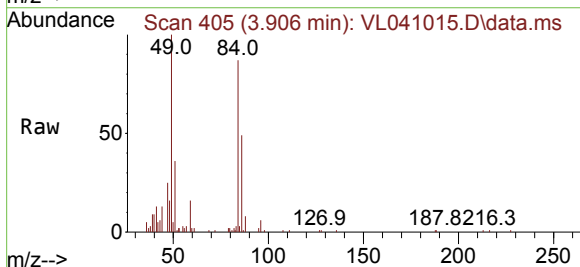
Ion Ratio Lower Upper

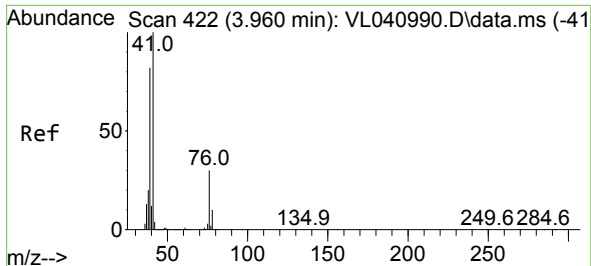
84 100

49 110.0 128.1 192.1#

51 40.1 36.5 54.7

86 56.9 54.1 81.1

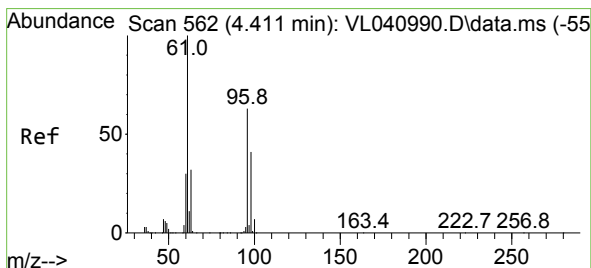
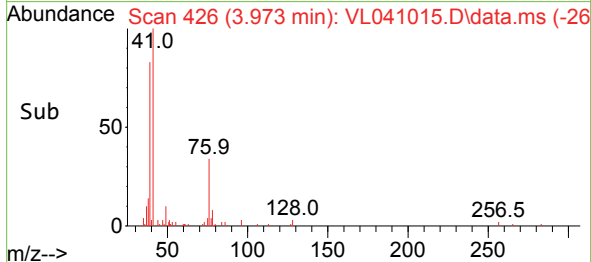
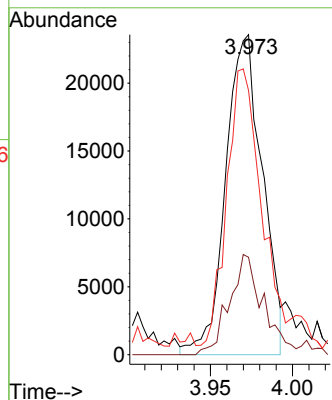
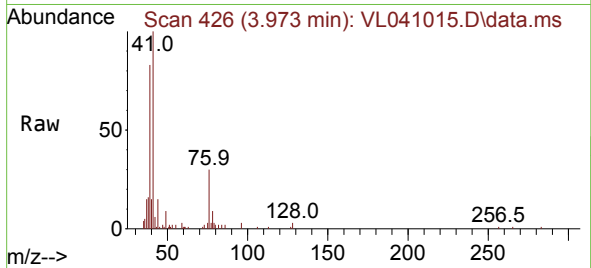




#21
 Allyl Chloride
 Concen: 0.450 ppbv
 RT: 3.973 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

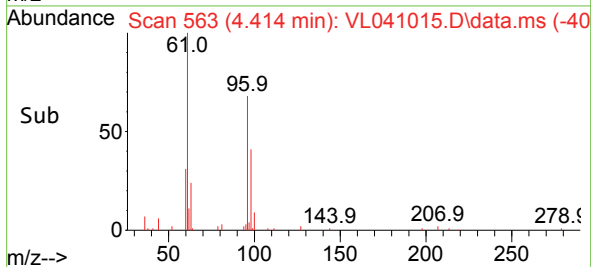
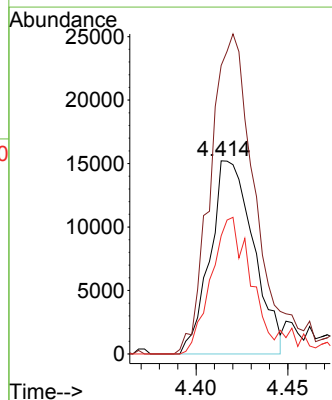
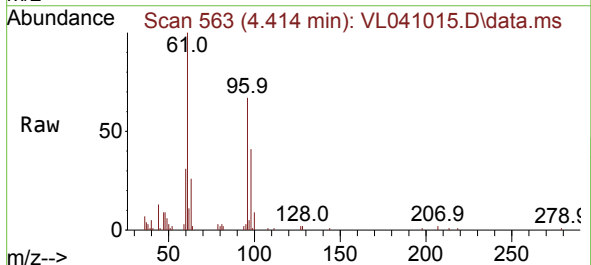
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

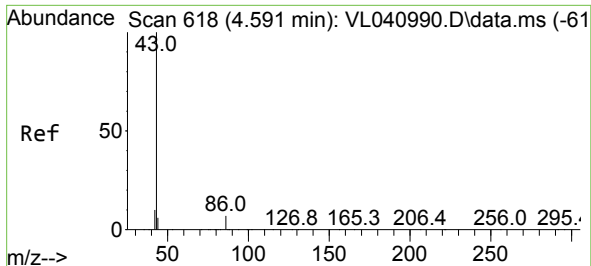
Tgt Ion: 41 Resp: 36674
 Ion Ratio Lower Upper
 41 100
 76 30.7 25.0 37.4
 39 87.5 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.418 ppbv
 RT: 4.414 min Scan# 563
 Delta R.T. 0.003 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 96 Resp: 24966
 Ion Ratio Lower Upper
 96 100
 61 163.7 126.0 189.0
 98 61.2 51.2 76.8

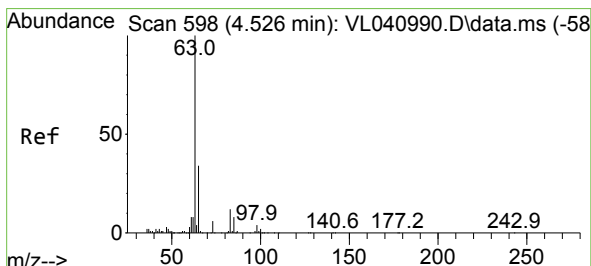
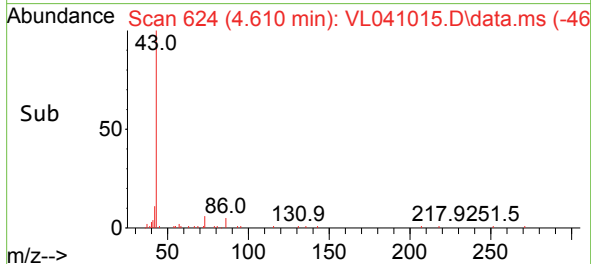
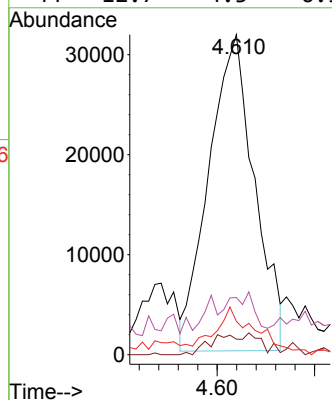
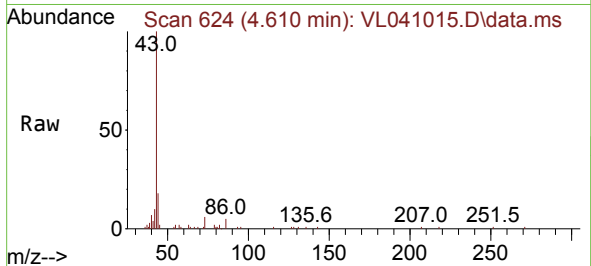




#23
 Vinyl Acetate
 Concen: 0.372 ppbv
 RT: 4.610 min Scan# 618
 Delta R.T. 0.016 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

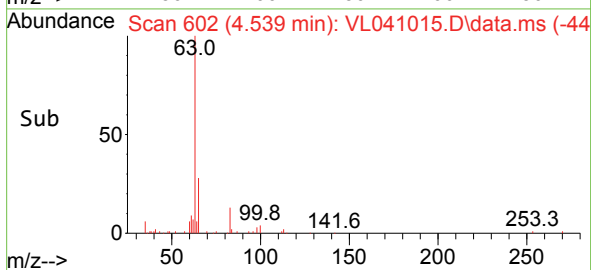
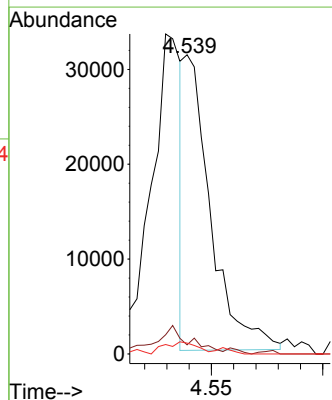
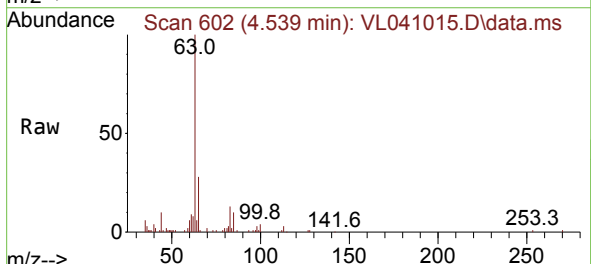
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

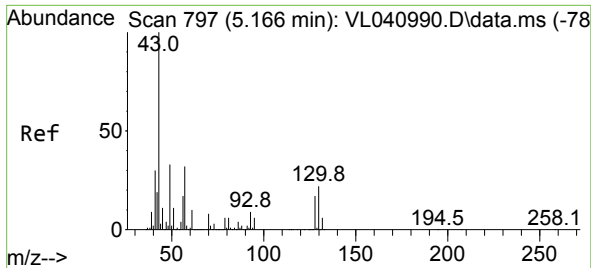
Tgt Ion: 43	Resp: 51415
Ion Ratio	Lower Upper
43 100	
86 5.5	5.4 8.0
42 8.7	8.6 13.0
44 12.7	4.3 6.5#



#24
 1,1-Dichloroethane
 Concen: 0.210 ppbv
 RT: 4.539 min Scan# 602
 Delta R.T. 0.010 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 63	Resp: 25784
Ion Ratio	Lower Upper
63 100	
98 3.2	2.1 6.3
100 3.7	1.3 3.9

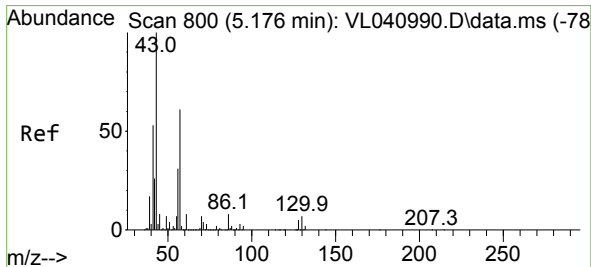
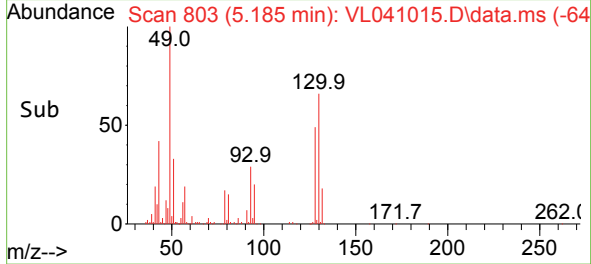
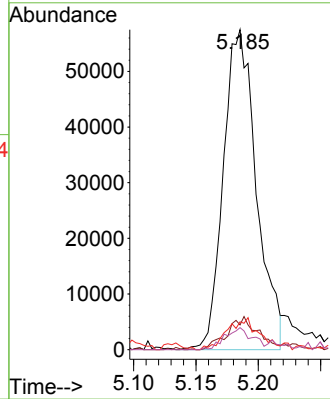
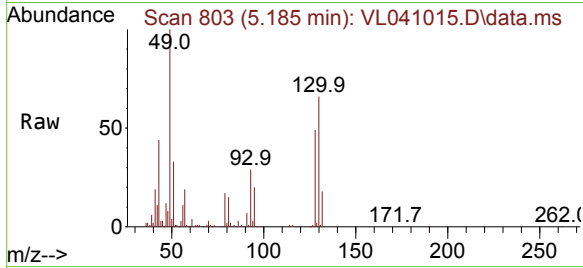




#25
Ethyl Acetate
Concen: 0.436 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.019 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

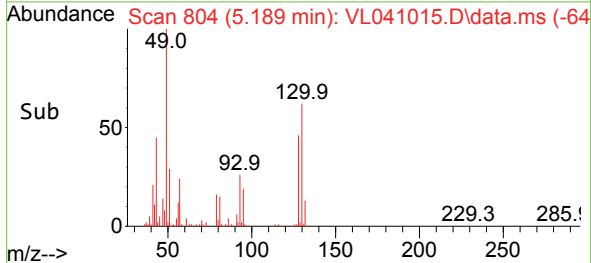
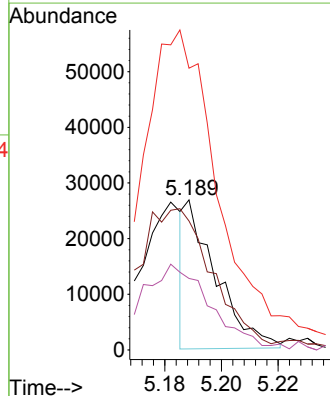
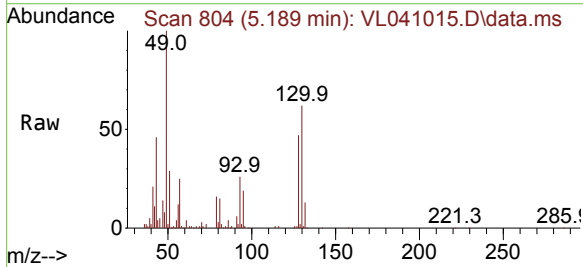
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

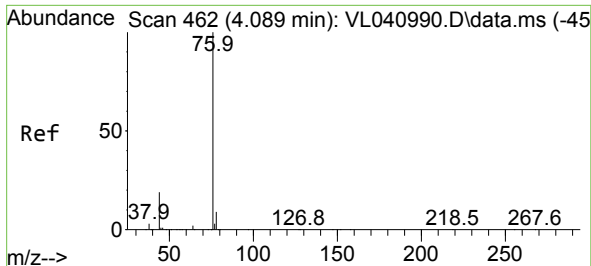
Tgt Ion:	43	Resp:	106035
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.2	12.4
61	10.3	7.9	11.9
70	6.9	5.4	8.2



#26
Hexane
Concen: 0.196 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.010 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion:	57	Resp:	20313
Ion	Ratio	Lower	Upper
57	100		
41	254.4	74.4	111.6#
43	563.5	190.6	285.8#
56	0.0	43.0	64.4#





#27

Carbon Disulfide

Concen: 0.409 ppbv

RT: 4.099 min Scan# 4

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

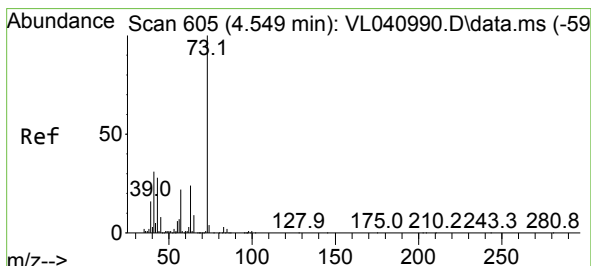
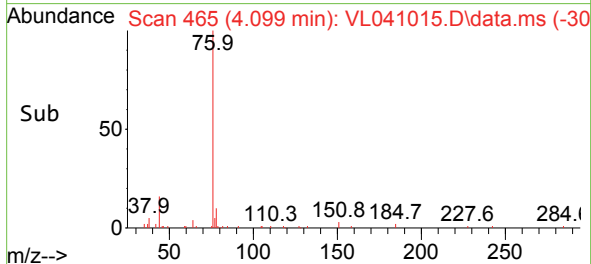
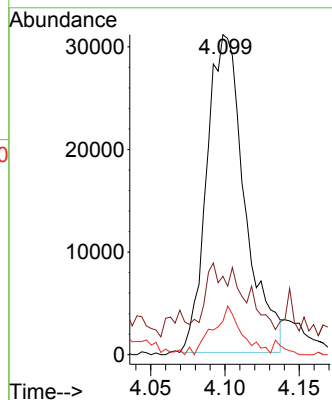
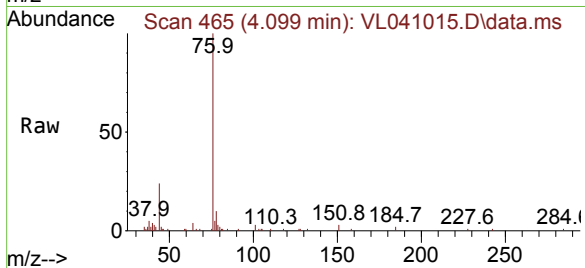
Tgt Ion: 76 Resp: 55161

Ion Ratio Lower Upper

76 100

44 30.4 16.0 24.0#

78 12.8 7.8 11.8#



#28

Methyl tert-Butyl Ether

Concen: 0.424 ppbv

RT: 4.568 min Scan# 611

Delta R.T. 0.016 min

Lab File: VL041015.D

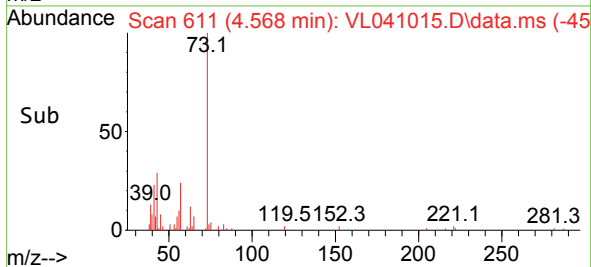
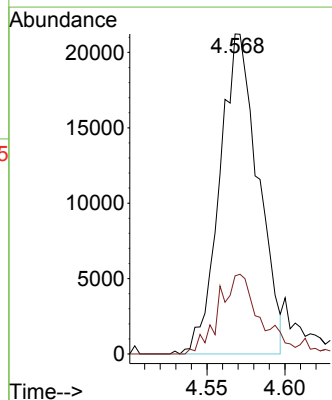
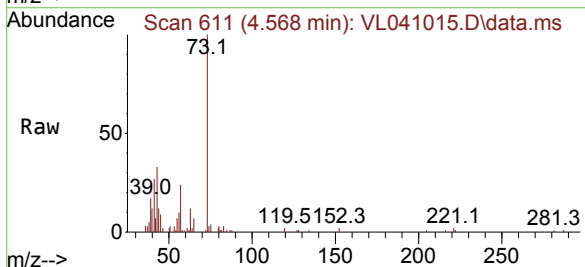
Acq: 24 Jan 2024 14:30

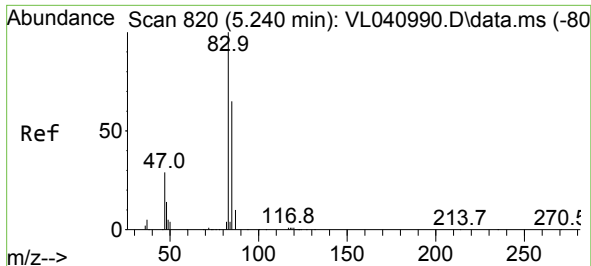
Tgt Ion: 73 Resp: 36457

Ion Ratio Lower Upper

73 100

57 28.6 18.0 27.0#





#29

Chloroform

Concen: 0.495 ppbv

RT: 5.240 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041015.D

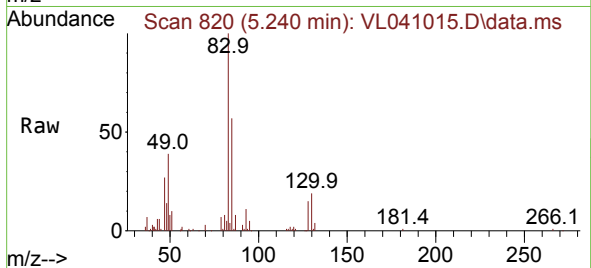
Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

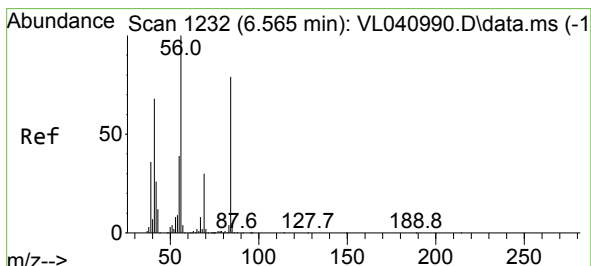
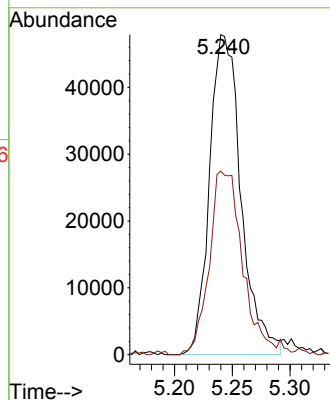
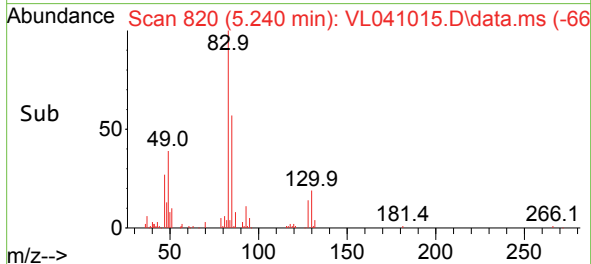


Tgt Ion: 83 Resp: 91001

Ion Ratio Lower Upper

83 100

85 57.3 51.6 77.4



#30

Cyclohexane

Concen: 0.247 ppbv

RT: 6.568 min Scan# 1233

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

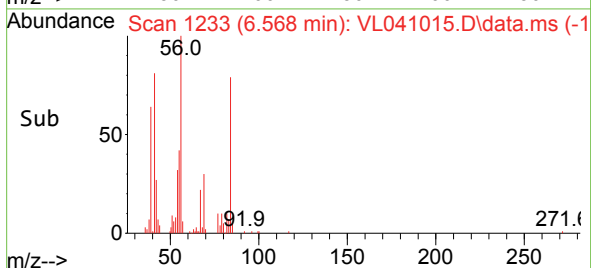
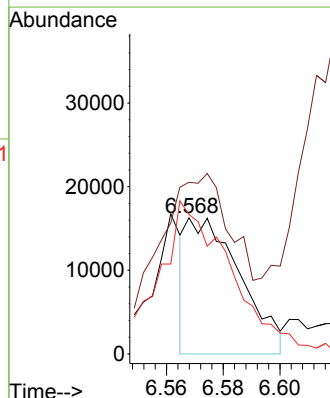
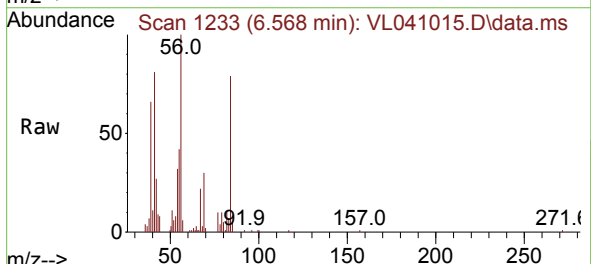
Tgt Ion: 84 Resp: 21428

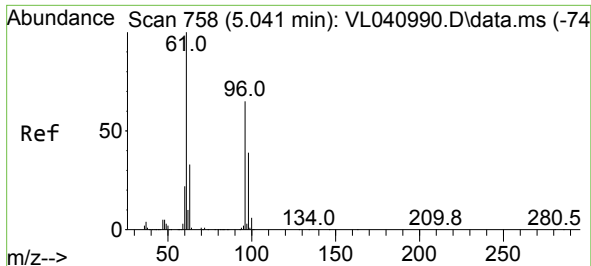
Ion Ratio Lower Upper

84 100

56 205.2 111.7 167.5#

41 162.6 71.0 106.6#

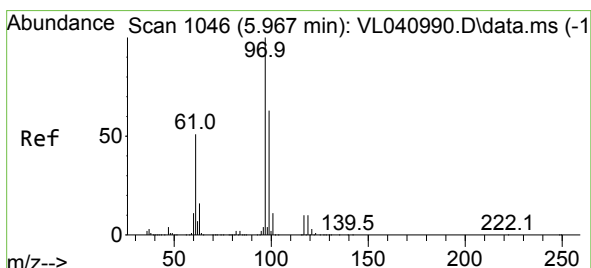
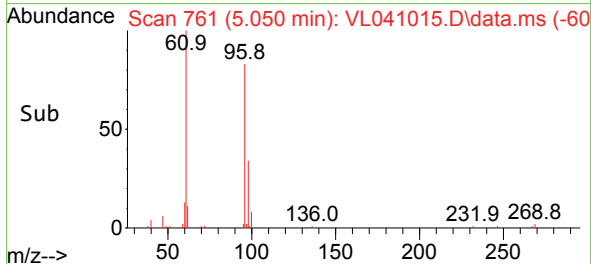
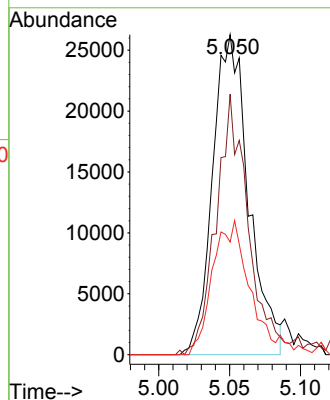
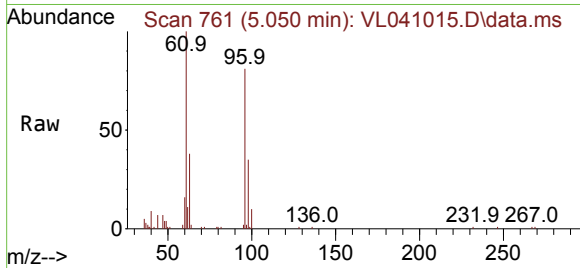




#31
 cis-1,2-Dichloroethene
 Concen: 0.477 ppbv
 RT: 5.050 min Scan# 758
 Delta R.T. 0.006 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

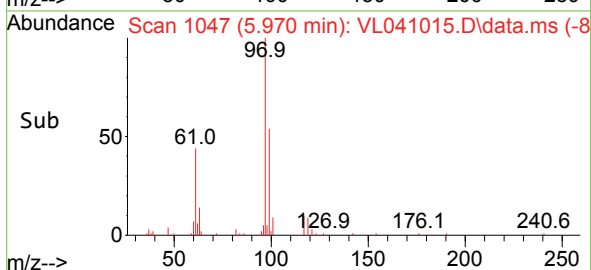
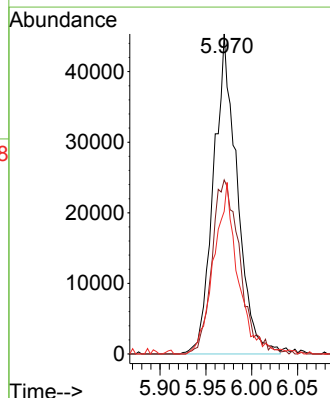
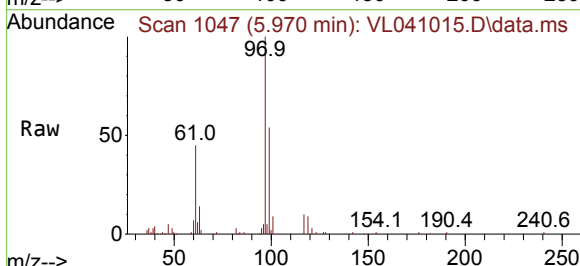
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

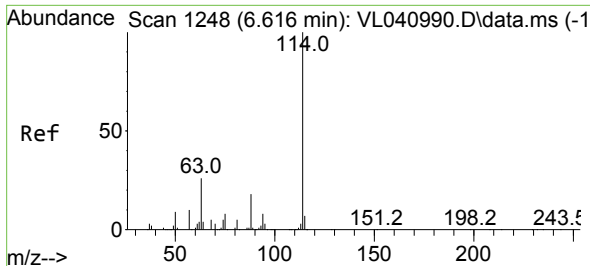
Tgt Ion: 61 Resp: 46464
 Ion Ratio Lower Upper
 61 100
 96 72.2 51.9 77.9
 98 31.8 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 0.461 ppbv
 RT: 5.970 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 97 Resp: 81092
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 55.4 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

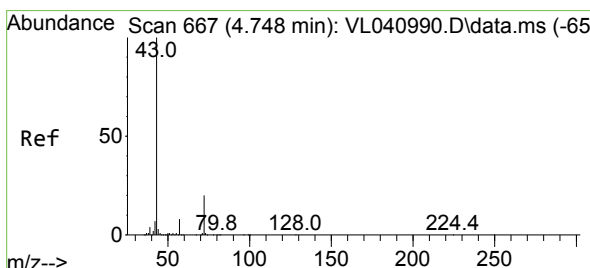
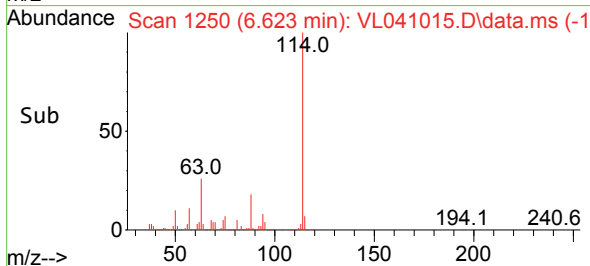
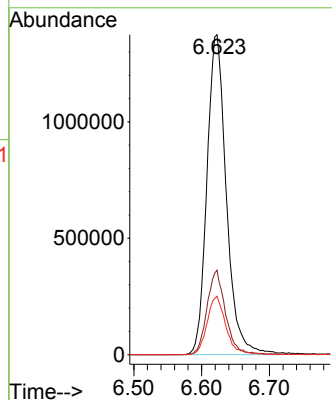
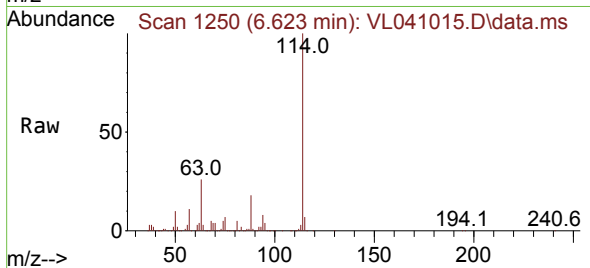
Tgt Ion:114 Resp: 2731603

Ion Ratio Lower Upper

114 100

63 25.6 20.8 31.2

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.433 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.022 min

Lab File: VL041015.D

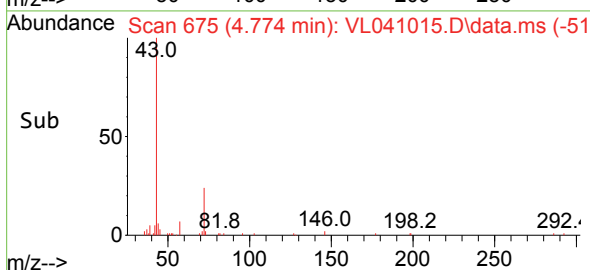
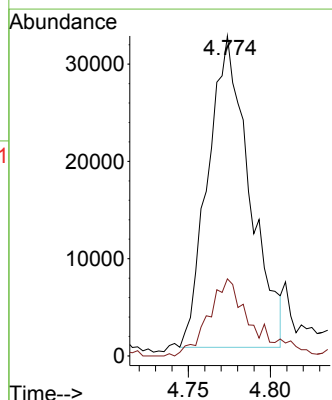
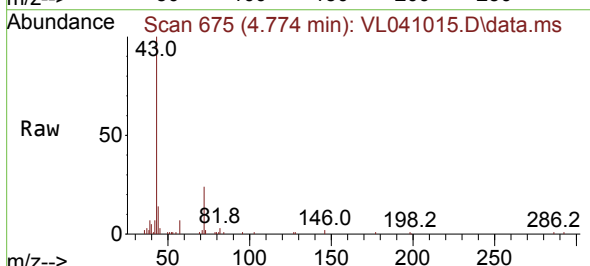
Acq: 24 Jan 2024 14:30

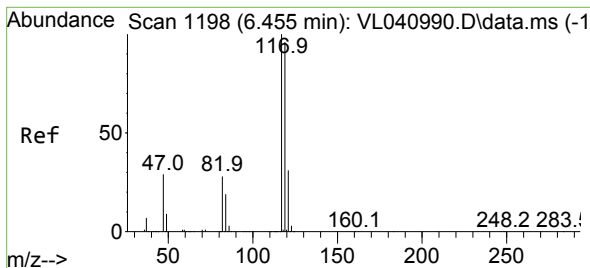
Tgt Ion: 43 Resp: 56305

Ion Ratio Lower Upper

43 100

72 26.4 17.5 26.3#





#35

Carbon Tetrachloride

Concen: 0.453 ppbv

RT: 6.465 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

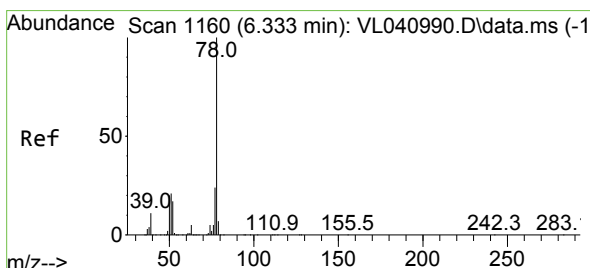
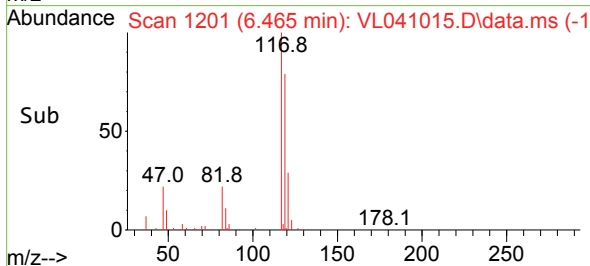
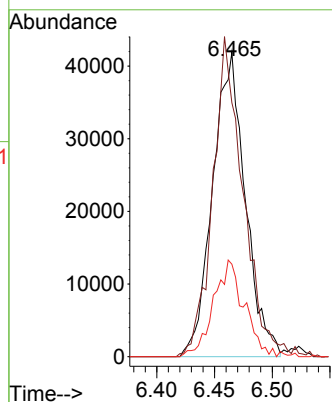
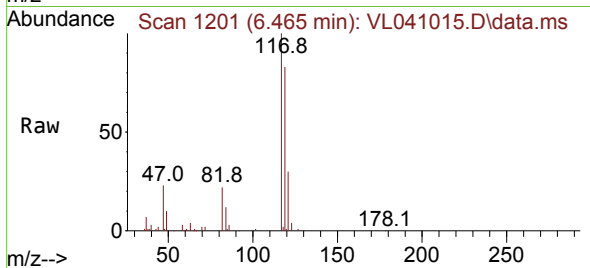
Tgt Ion:117 Resp: 82464

Ion Ratio Lower Upper

117 100

119 83.2 76.9 115.3

121 30.4 24.7 37.1



#36

Benzene

Concen: 0.445 ppbv

RT: 6.340 min Scan# 1162

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

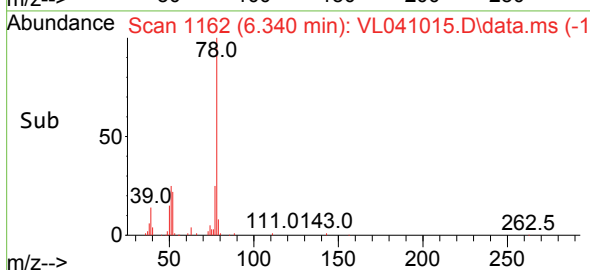
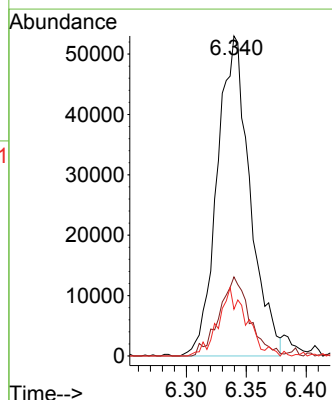
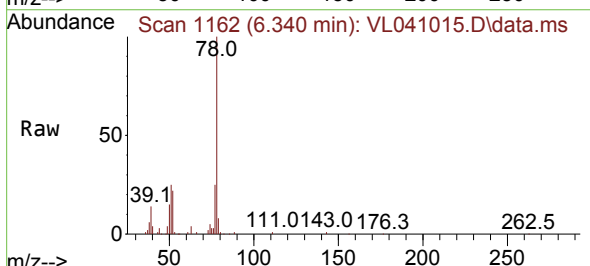
Tgt Ion: 78 Resp: 100453

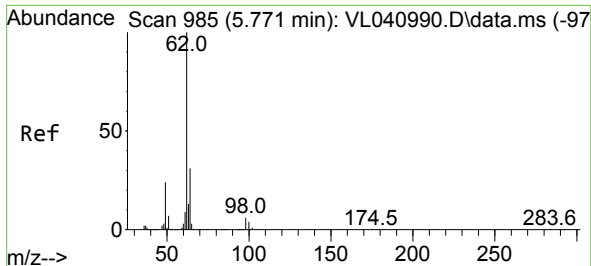
Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.4

50 14.6 15.8 23.6#





#37

1,2-Dichloroethane

Concen: 0.428 ppbv

RT: 5.777 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

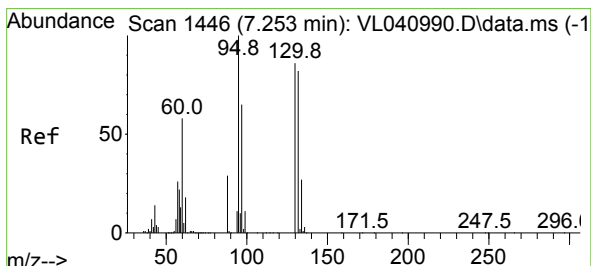
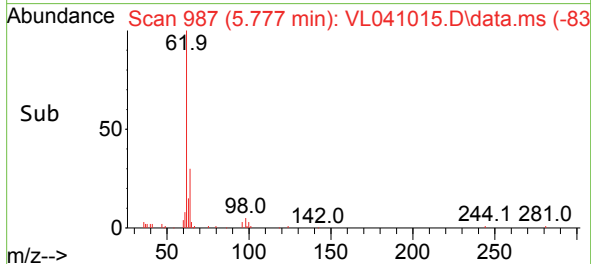
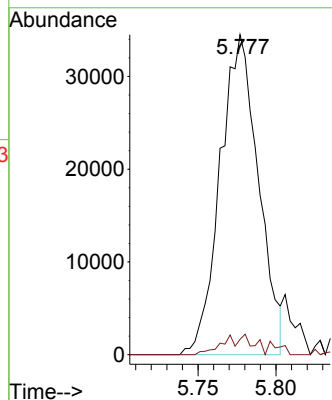
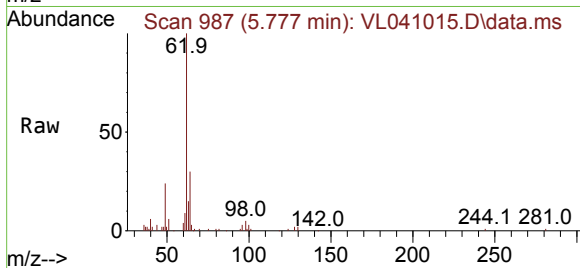
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 62 Resp: 58918

Ion Ratio Lower Upper

62 100

98 6.1 4.7 7.1



#38

Trichloroethene

Concen: 0.384 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.010 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Tgt Ion:130 Resp: 34724

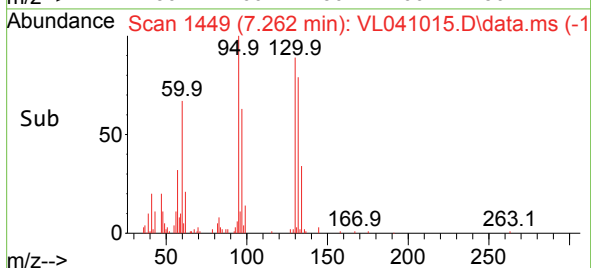
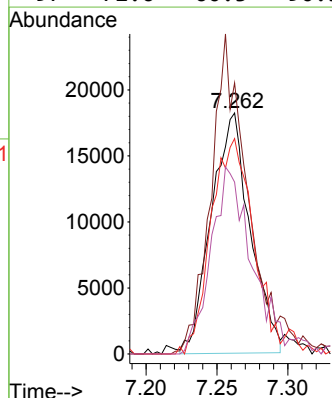
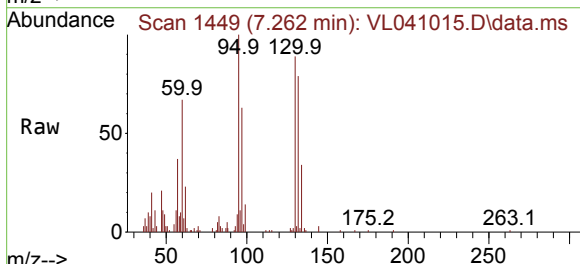
Ion Ratio Lower Upper

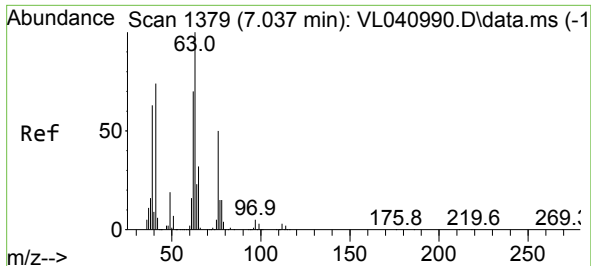
130 100

95 113.1 92.9 139.3

132 87.8 76.2 114.2

97 72.6 60.3 90.5





#39

1,2-Dichloropropane

Concen: 0.395 ppbv

RT: 7.044 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041015.D

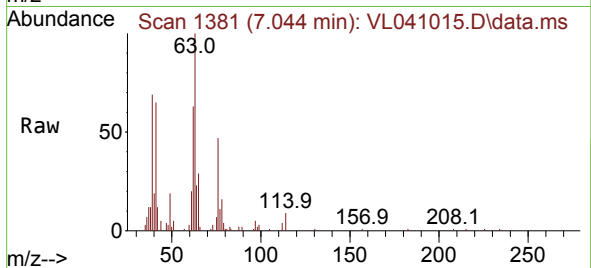
Acq: 24 Jan 2024 14:30

Instrument :

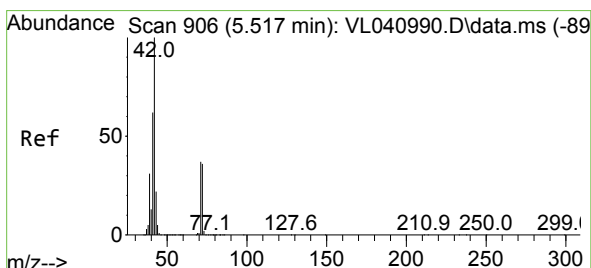
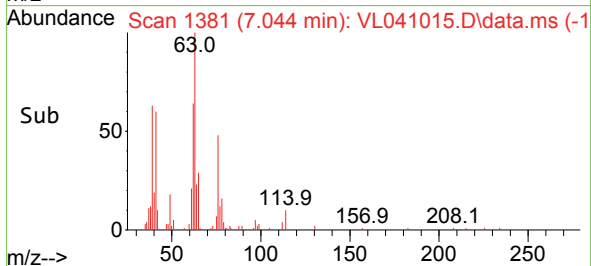
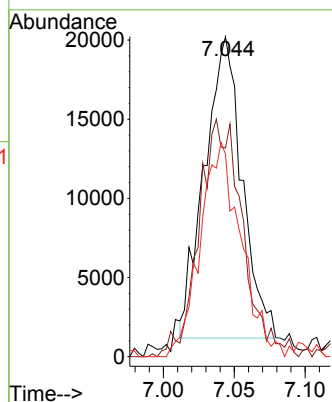
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:	63	Resp:	35111
Ion	Ratio	Lower	Upper
63	100		
41	52.3	59.6	89.4#
62	51.1	55.6	83.4#



#41

Tetrahydrofuran

Concen: 0.261 ppbv

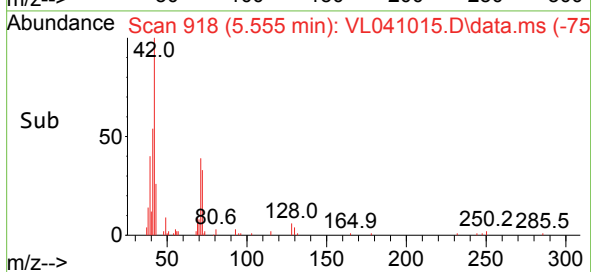
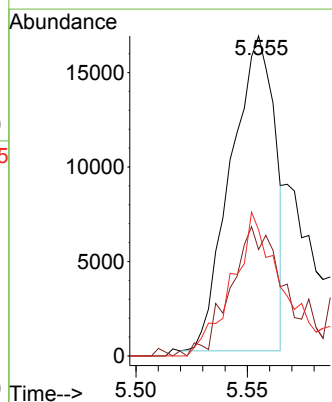
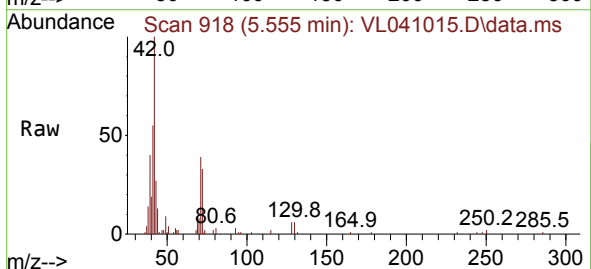
RT: 5.555 min Scan# 918

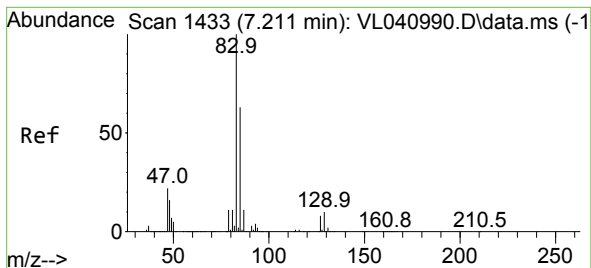
Delta R.T. 0.035 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Tgt Ion:	42	Resp:	23040
Ion	Ratio	Lower	Upper
42	100		
72	55.9	30.0	45.0#
71	61.5	29.5	44.3#





#42

Bromodichloromethane

Concen: 0.414 ppbv

RT: 7.217 min Scan# 14

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

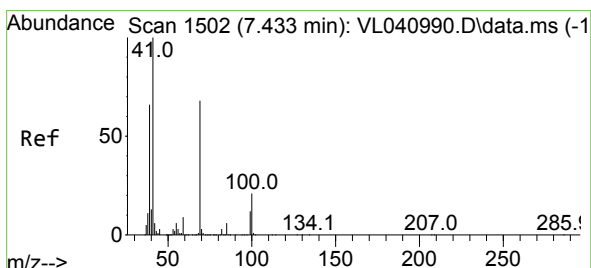
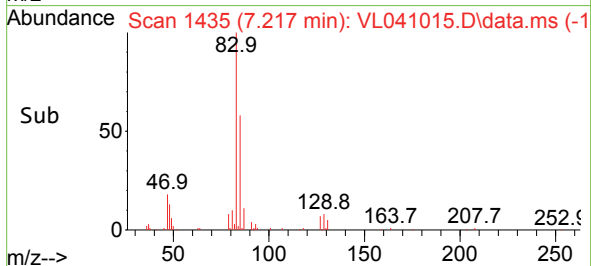
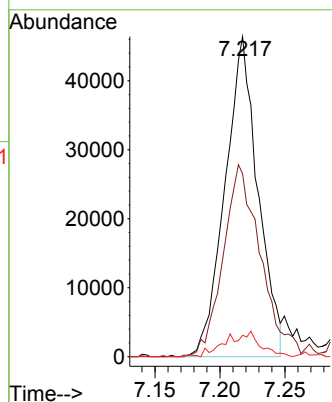
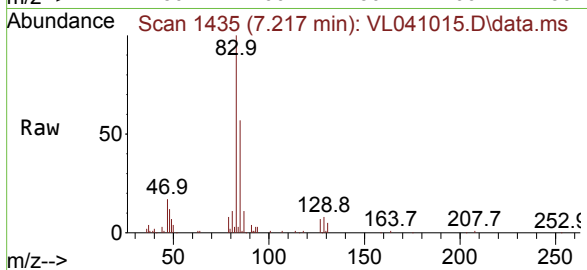
Tgt Ion: 83 Resp: 81649

Ion Ratio Lower Upper

83 100

85 57.1 50.5 75.7

127 6.7 6.4 9.6



#43

Methyl Methacrylate

Concen: 0.143 ppbv

RT: 7.449 min Scan# 1507

Delta R.T. 0.010 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

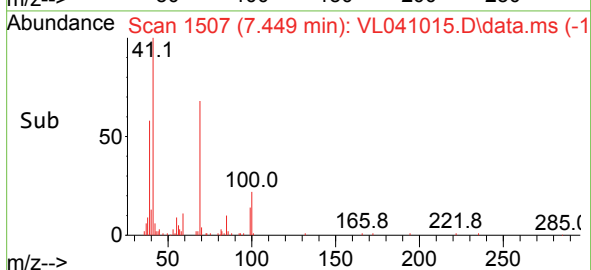
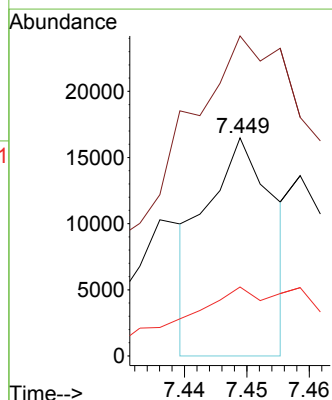
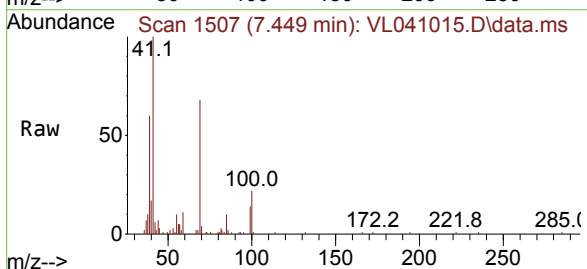
Tgt Ion: 69 Resp: 12413

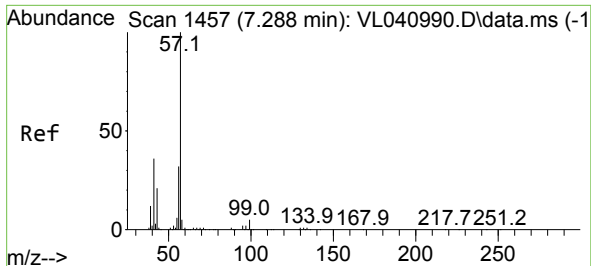
Ion Ratio Lower Upper

69 100

41 411.6 120.2 180.2#

100 84.8 24.6 36.8#

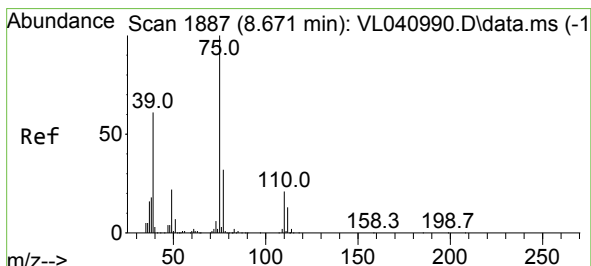
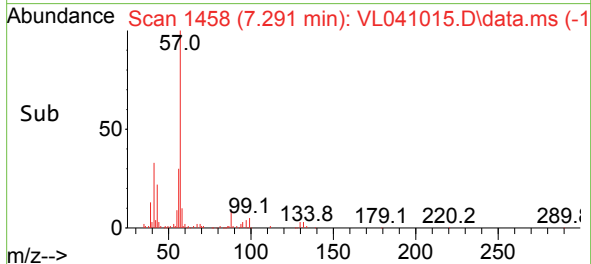
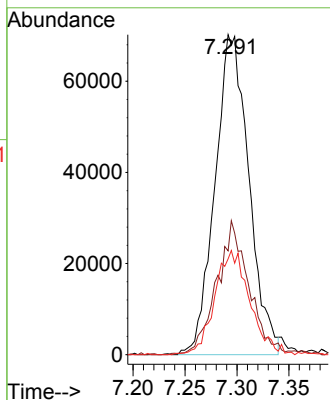
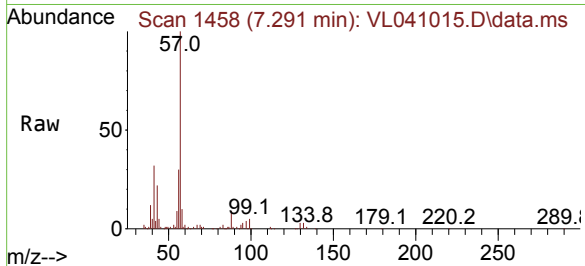




#44
2,2,4-Trimethylpentane
Concen: 0.420 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

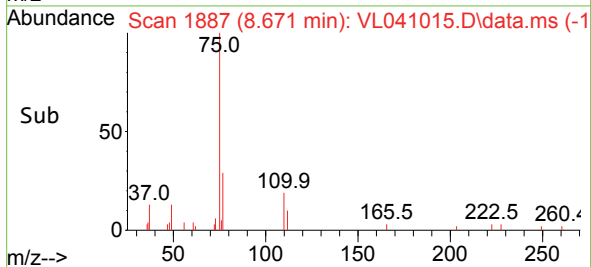
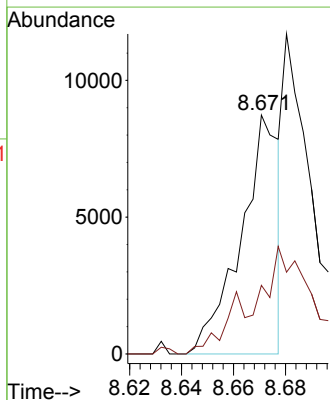
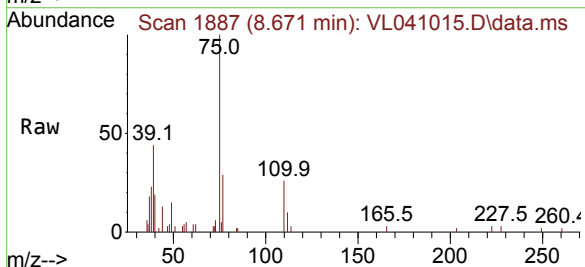
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT1-2024

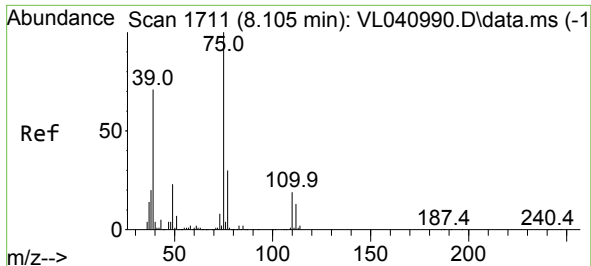
Tgt Ion: 57 Resp: 159471
Ion Ratio Lower Upper
57 100
41 40.5 28.6 43.0
56 33.9 25.2 37.8



#45
t-1,3-Dichloropropene
Concen: 0.149 ppbv
RT: 8.671 min Scan# 1887
Delta R.T. -0.003 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 75 Resp: 8849
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9

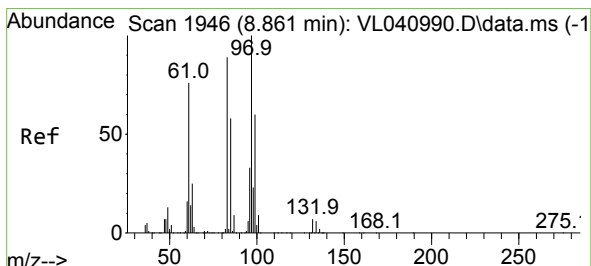
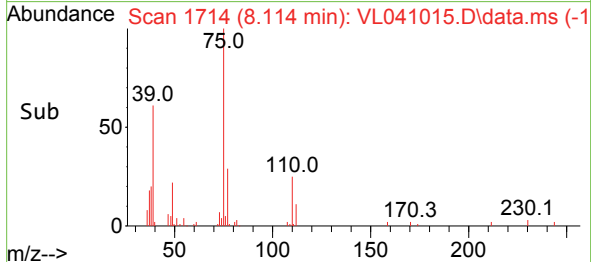
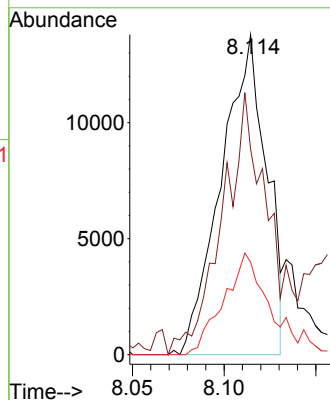
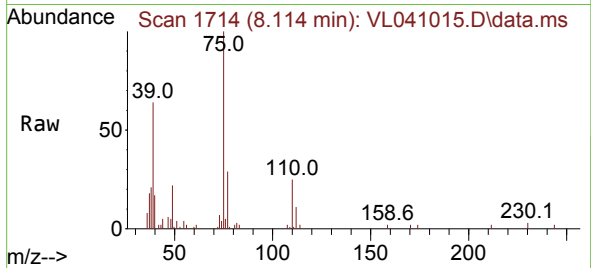




#46
 cis-1,3-Dichloropropene
 Concen: 0.319 ppbv
 RT: 8.114 min Scan# 1714
 Delta R.T. 0.010 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

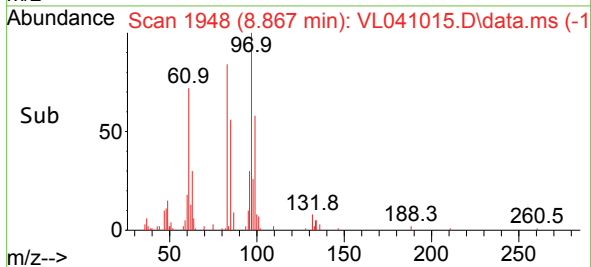
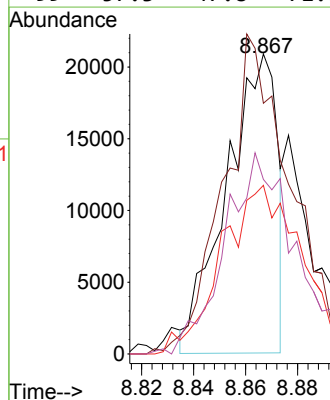
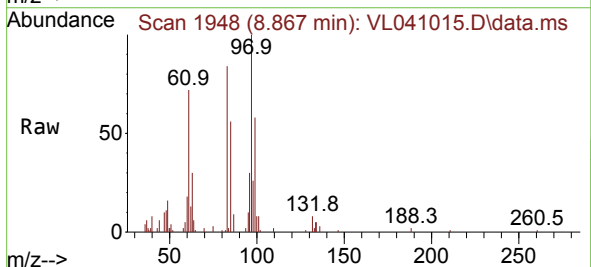
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

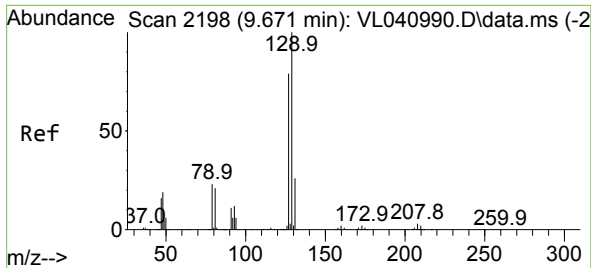
Tgt Ion: 75 Resp: 23663
 Ion Ratio Lower Upper
 75 100
 39 51.8 57.3 85.9#
 77 28.9 24.3 36.5



#47
 1,1,2-Trichloroethane
 Concen: 0.297 ppbv
 RT: 8.867 min Scan# 1948
 Delta R.T. 0.006 min
 Lab File: VL041015.D
 Acq: 24 Jan 2024 14:30

Tgt Ion: 97 Resp: 28475
 Ion Ratio Lower Upper
 97 100
 83 84.1 71.5 107.3
 85 56.1 46.1 69.1
 99 57.3 47.8 71.8





#48

Dibromochloromethane

Concen: 0.395 ppbv

RT: 9.671 min Scan# 2198

Delta R.T. -0.000 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

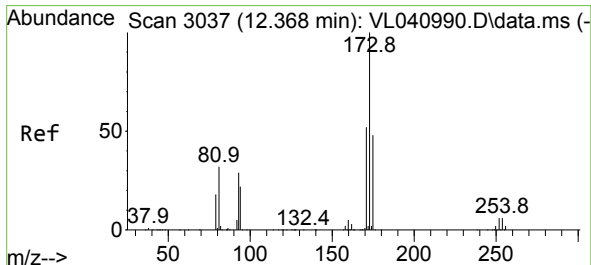
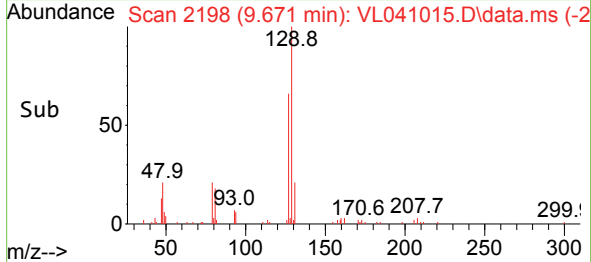
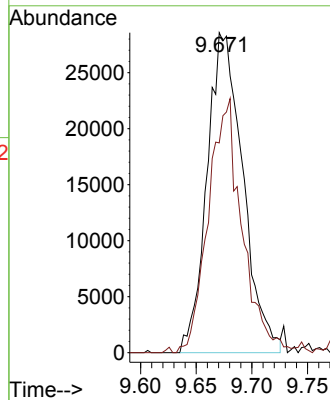
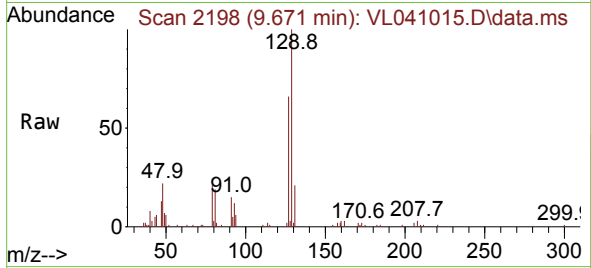
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:129 Resp: 63945

Ion Ratio Lower Upper

129 100

127 76.5 39.6 119.0



#49

Bromoform

Concen: 0.378 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

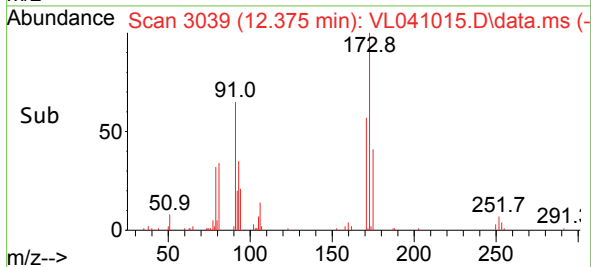
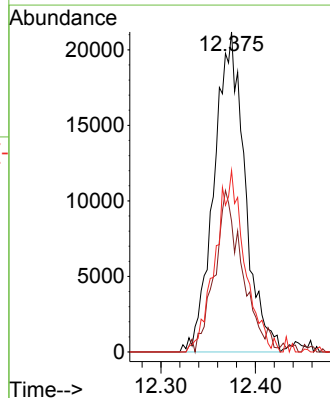
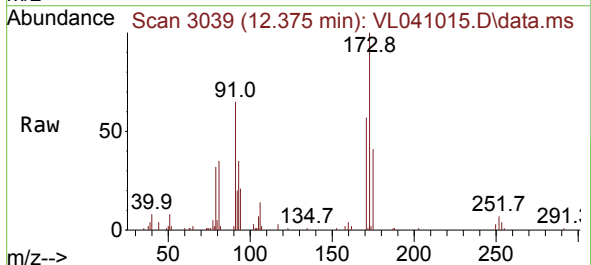
Tgt Ion:173 Resp: 48046

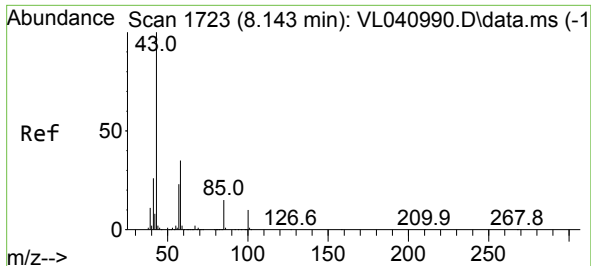
Ion Ratio Lower Upper

173 100

175 46.3 39.0 58.4

171 54.7 42.0 63.0

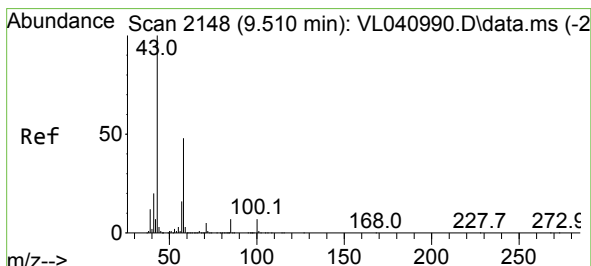
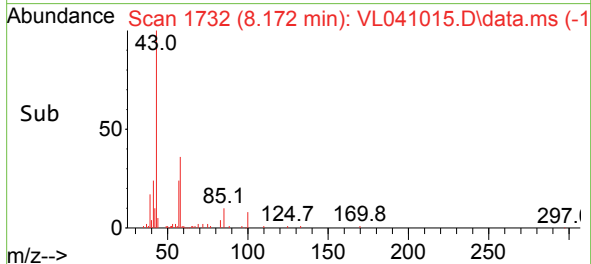
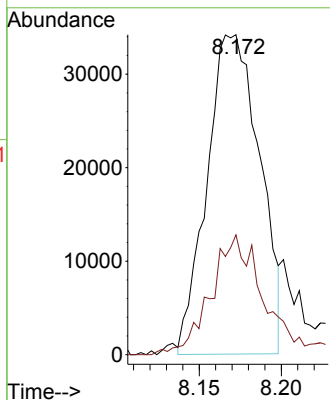
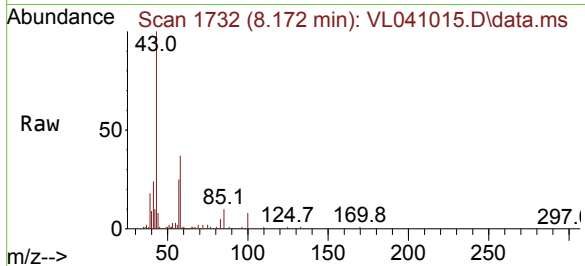




#50
4-Methyl-2-Pentanone
Concen: 0.333 ppbv
RT: 8.172 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

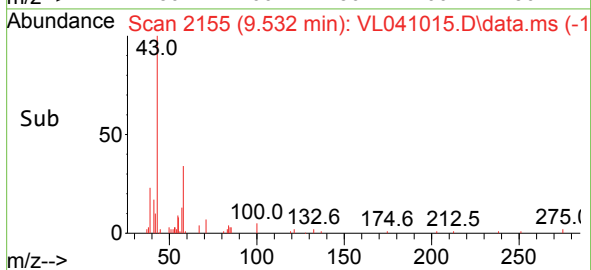
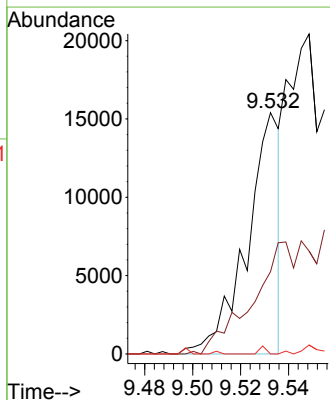
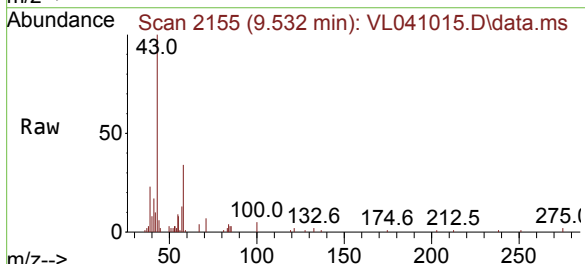
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

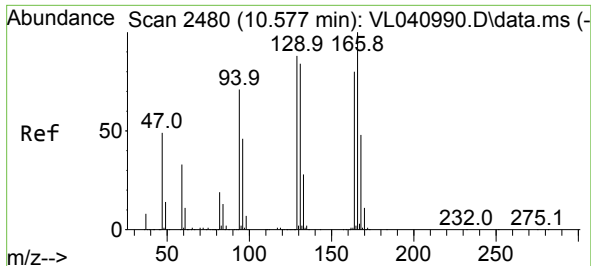
Tgt Ion: 43 Resp: 76346
Ion Ratio Lower Upper
43 100
58 38.6 27.8 41.8



#51
2-Hexanone
Concen: 0.089 ppbv
RT: 9.532 min Scan# 2155
Delta R.T. 0.019 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 43 Resp: 14683
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2#
98 0.0 0.3 0.5#

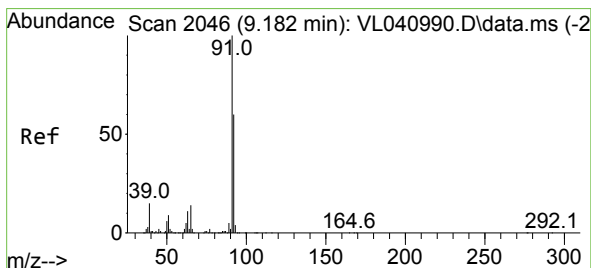
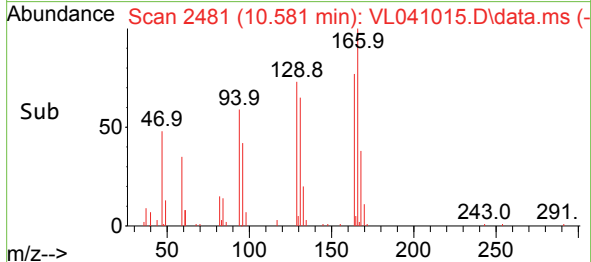
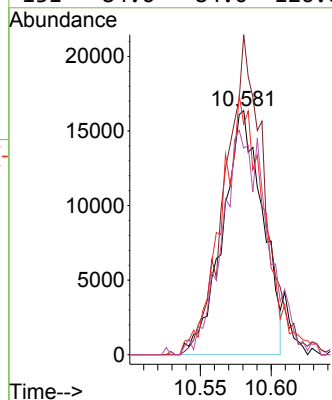
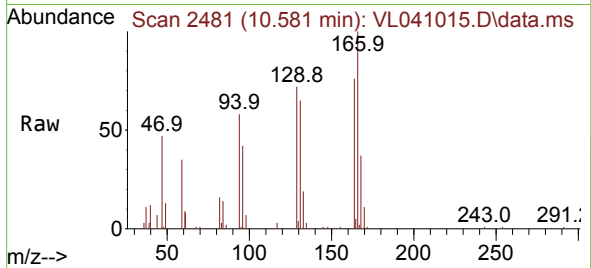




#52
Tetrachloroethene
Concen: 0.428 ppbv
RT: 10.581 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

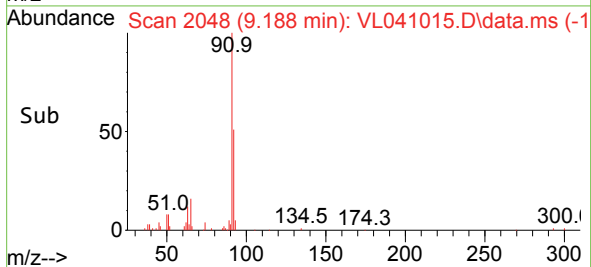
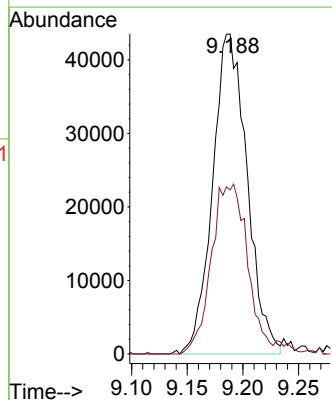
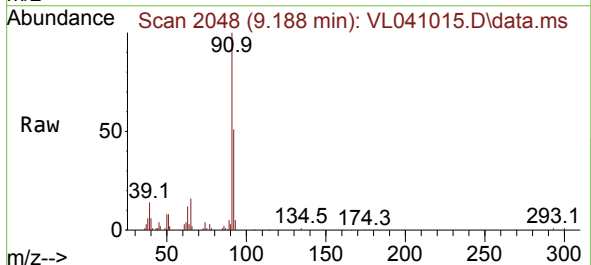
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

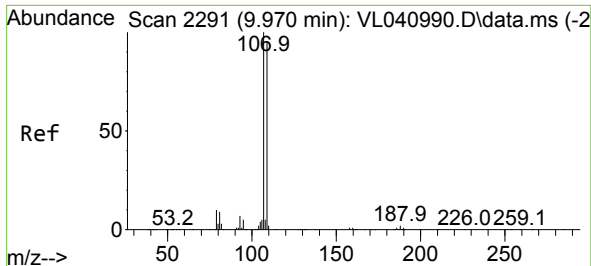
Tgt Ion:164 Resp: 32031
Ion Ratio Lower Upper
164 100
166 131.1 100.2 150.2
129 100.4 87.9 131.9
131 84.6 84.0 126.0



#53
Toluene
Concen: 0.379 ppbv
RT: 9.188 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 91 Resp: 93547
Ion Ratio Lower Upper
91 100
92 57.7 48.6 72.8

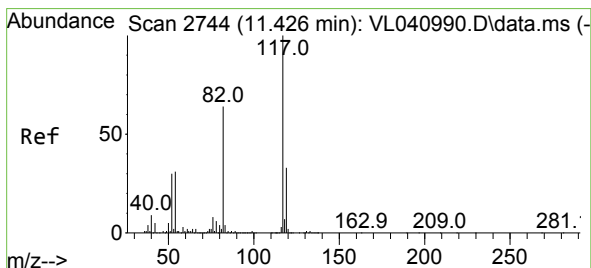
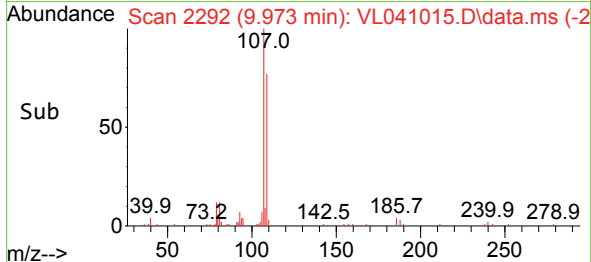
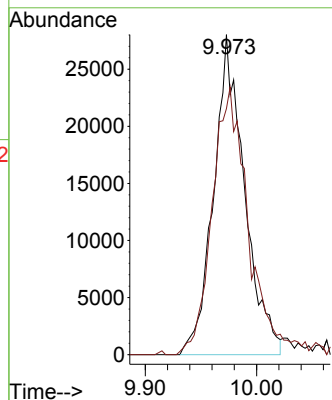
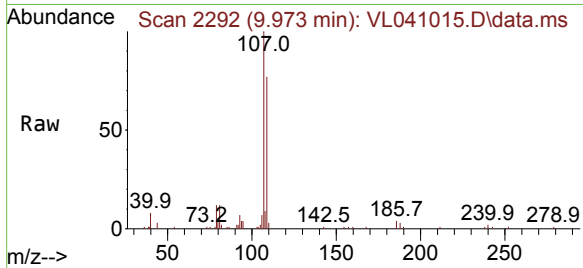




#54
1,2-Dibromoethane
Concen: 0.416 ppbv
RT: 9.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

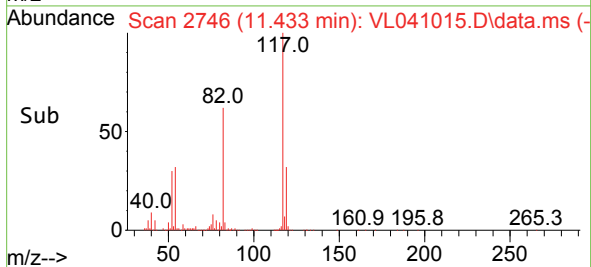
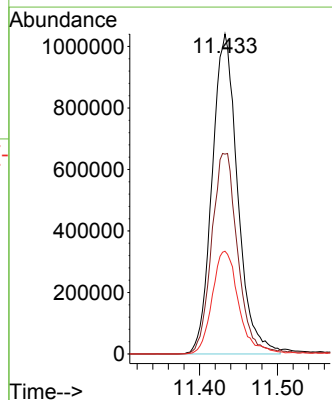
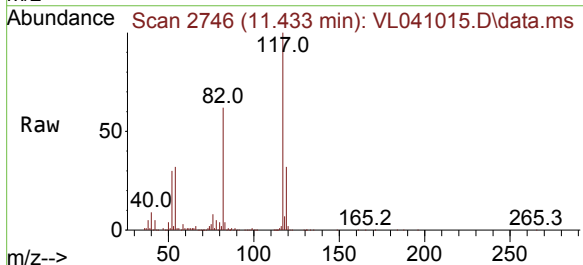
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

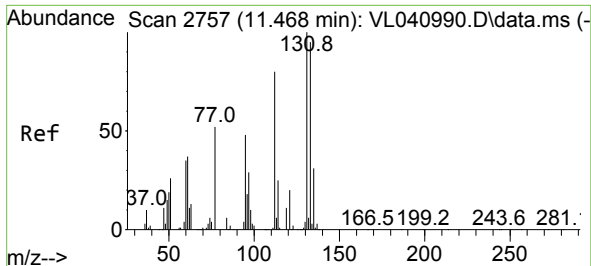
Tgt Ion:107 Resp: 53961
Ion Ratio Lower Upper
107 100
109 75.9 76.1 114.1#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. 0.003 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion:117 Resp: 2365007
Ion Ratio Lower Upper
117 100
82 65.0 51.7 77.5
119 33.7 23.8 35.6

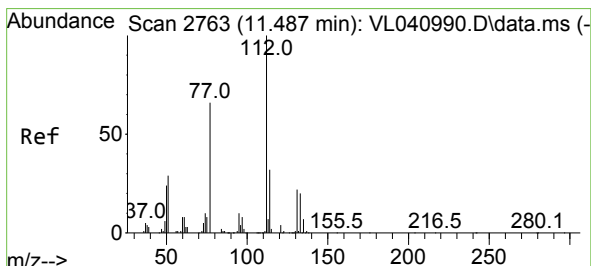
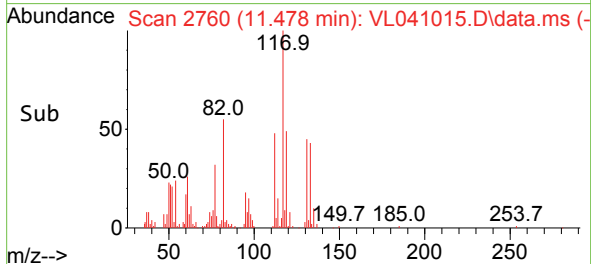
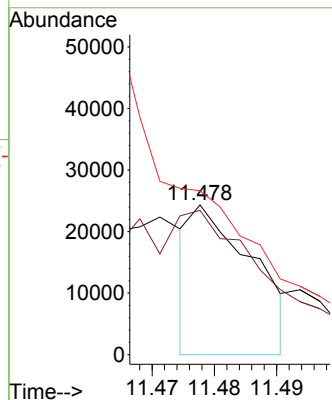
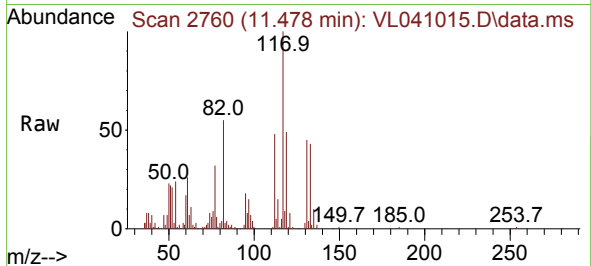




#56
1,1,1,2-Tetrachloroethane
Concen: 0.146 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

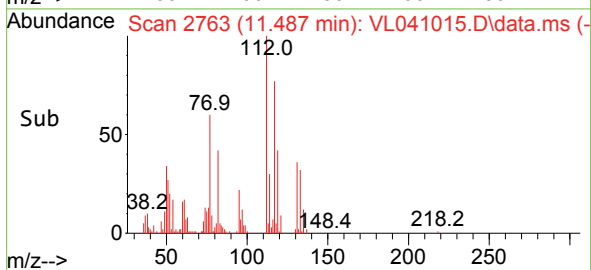
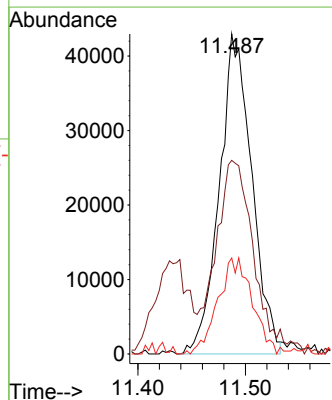
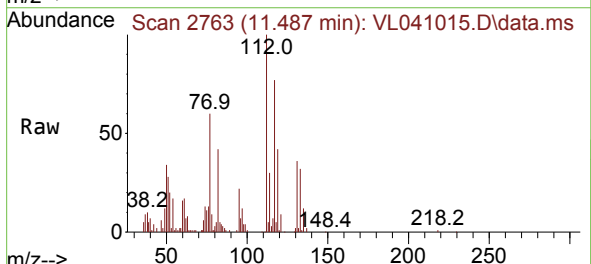
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

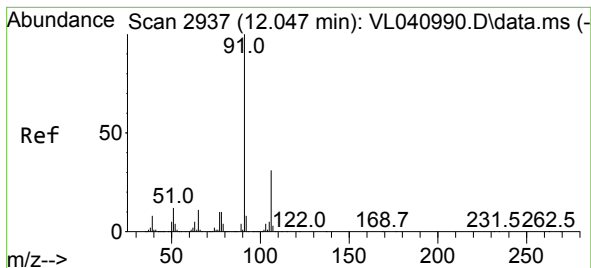
Tgt Ion:131 Resp: 16617
Ion Ratio Lower Upper
131 100
133 304.9 75.9 113.9#
119 0.0 49.2 73.8#



#57
Chlorobenzene
Concen: 0.474 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion:112 Resp: 90132
Ion Ratio Lower Upper
112 100
77 53.7 53.4 80.0
114 30.5 29.1 35.5

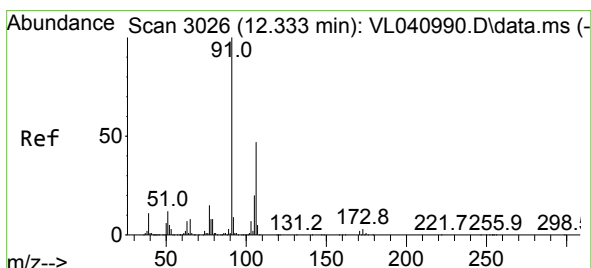
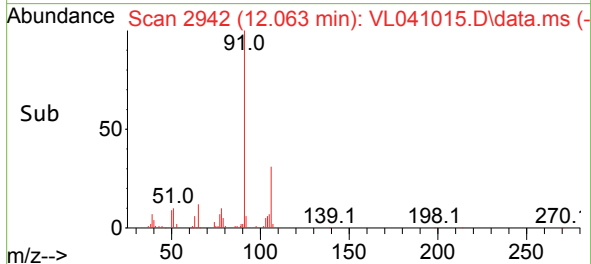
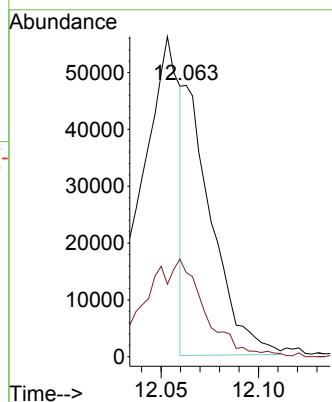
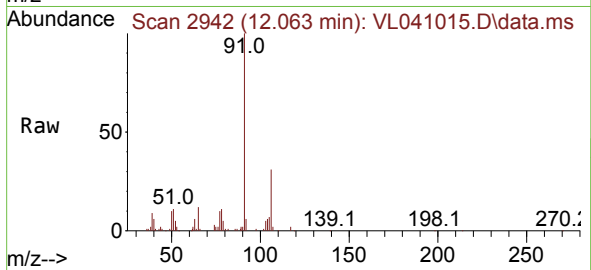




#58
Ethyl Benzene
Concen: 0.152 ppbv
RT: 12.063 min Scan# 2937
Delta R.T. 0.013 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

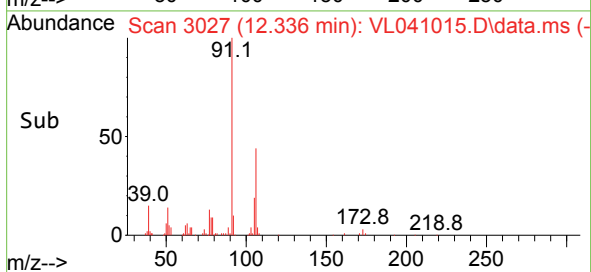
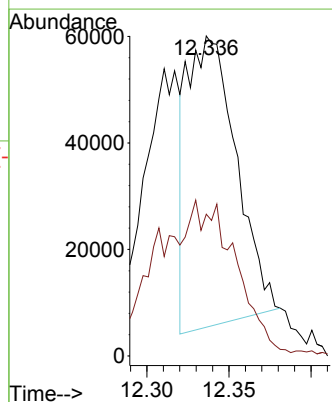
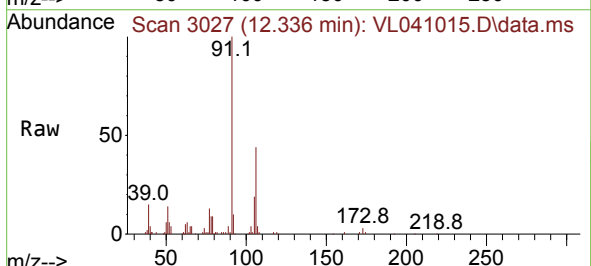
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

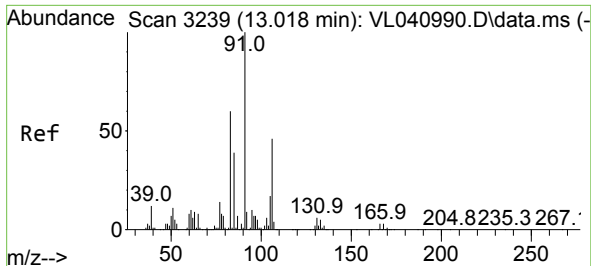
Tgt Ion: 91 Resp: 48368
Ion Ratio Lower Upper
91 100
106 30.6 24.8 37.2



#59
m/p-Xylene
Concen: 0.407 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. 0.003 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 91 Resp: 112708
Ion Ratio Lower Upper
91 100
106 88.9 34.9 52.3#

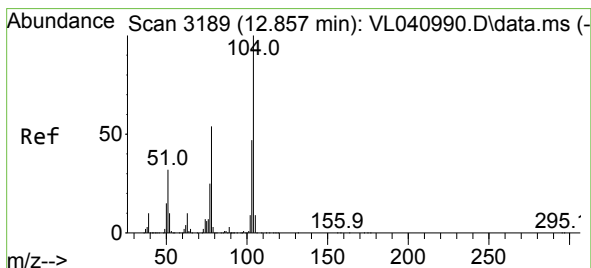
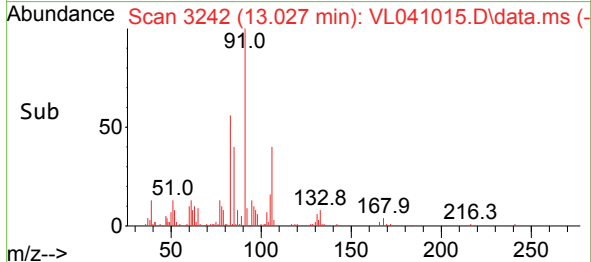
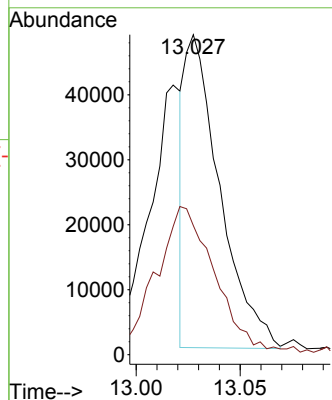
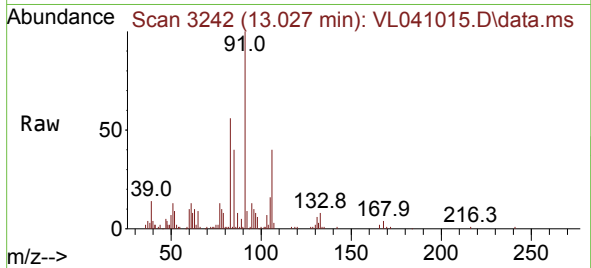




#60
o-Xylene
Concen: 0.213 ppbv
RT: 13.027 min Scan# 3192
Delta R.T. 0.003 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

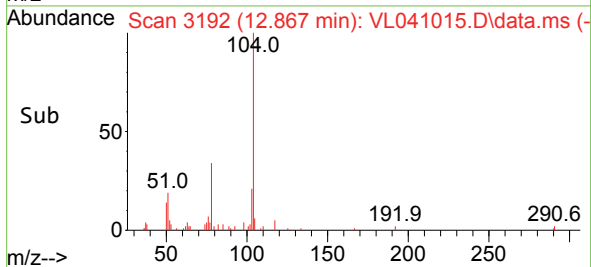
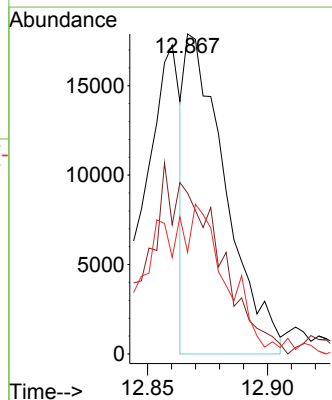
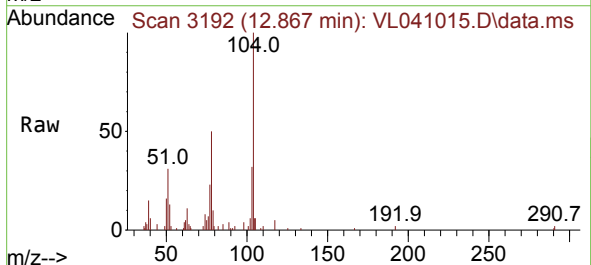
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

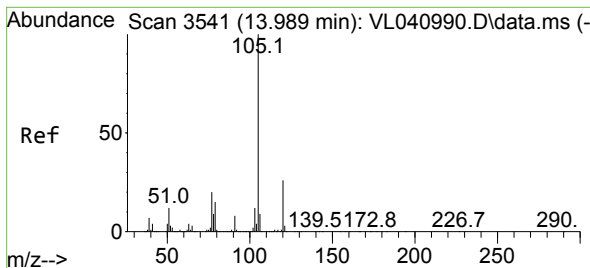
Tgt Ion: 91 Resp: 56541
Ion Ratio Lower Upper
91 100
106 0.0 22.6 67.7#



#61
Styrene
Concen: 0.173 ppbv
RT: 12.867 min Scan# 3192
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion:104 Resp: 21089
Ion Ratio Lower Upper
104 100
78 0.0 42.7 64.1#
103 90.1 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.197 ppbv

RT: 13.995 min Scan# 3541

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

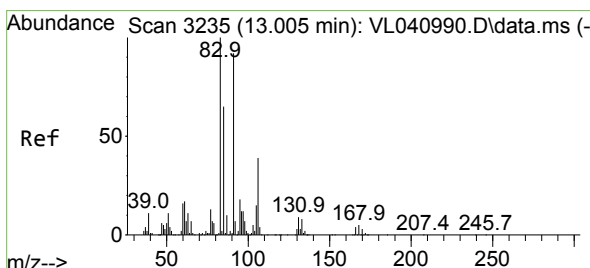
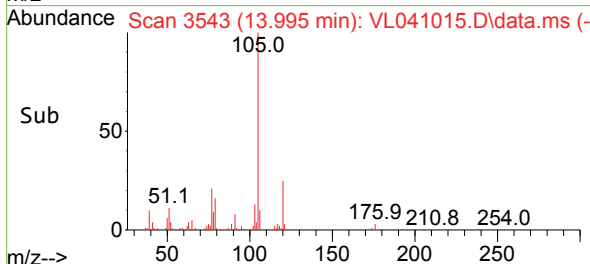
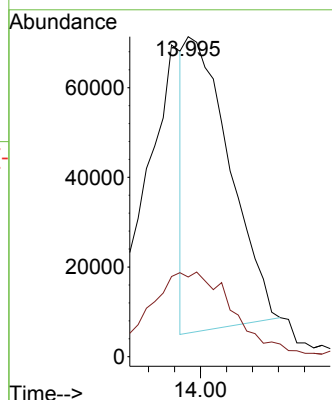
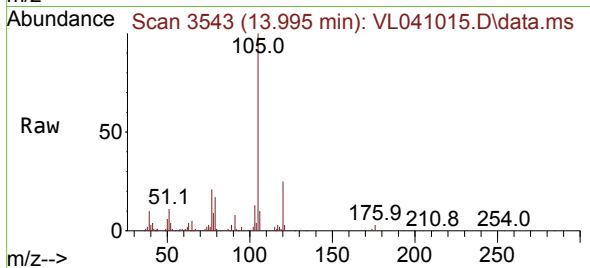
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:105 Resp: 77405

Ion Ratio Lower Upper

105 100

120 57.7 20.9 31.3#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.438 ppbv

RT: 13.018 min Scan# 3239

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

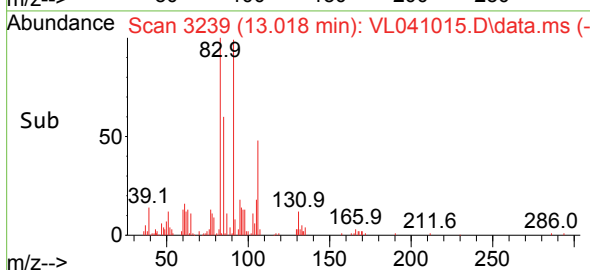
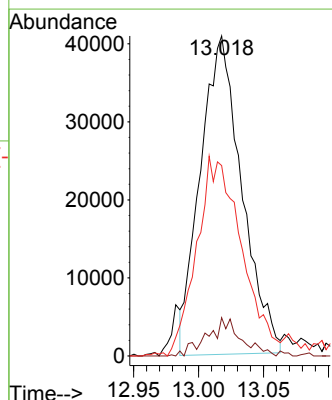
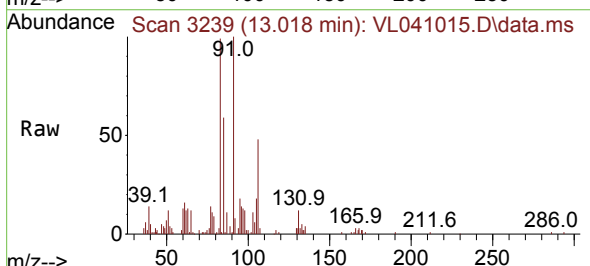
Tgt Ion: 83 Resp: 90411

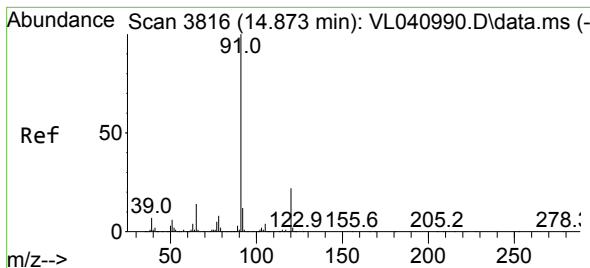
Ion Ratio Lower Upper

83 100

131 10.1 4.6 13.8

85 72.5 33.0 99.0





#64

n-propylbenzene

Concen: 0.397 ppbv

RT: 14.883 min Scan# 3819

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

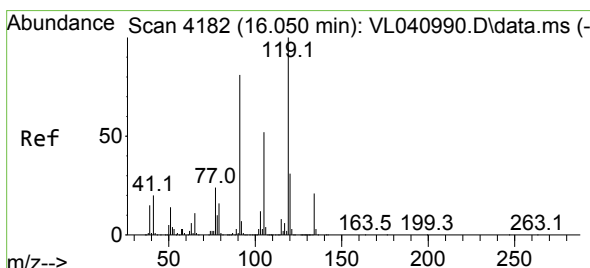
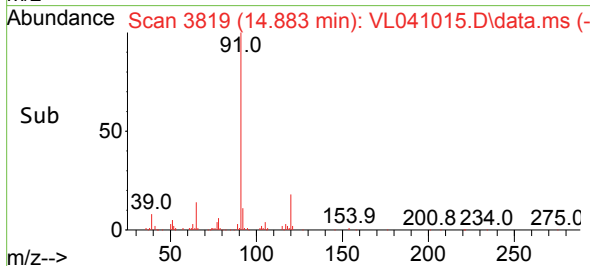
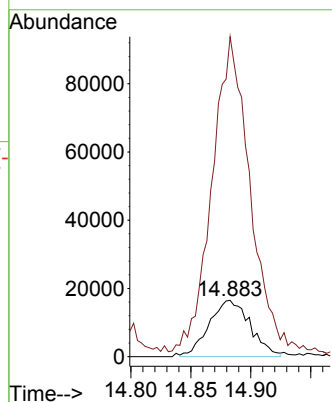
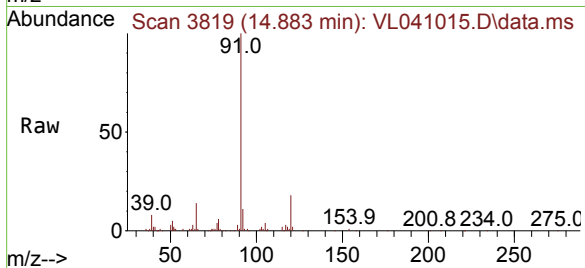
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:120 Resp: 39364

Ion Ratio Lower Upper

120 100

91 556.7 390.6 585.8



#65

tert-Butylbenzene

Concen: 0.404 ppbv

RT: 16.056 min Scan# 4184

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

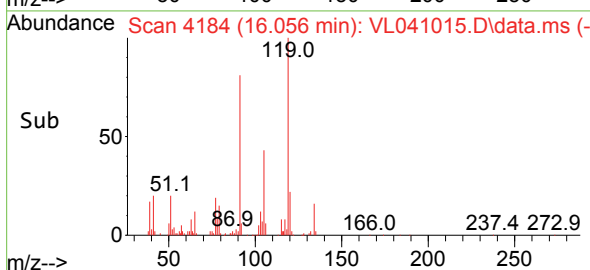
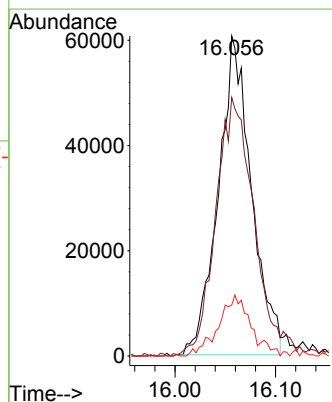
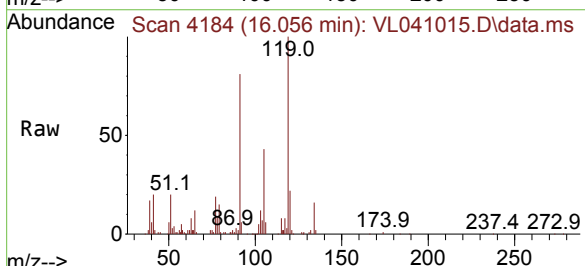
Tgt Ion:119 Resp: 138732

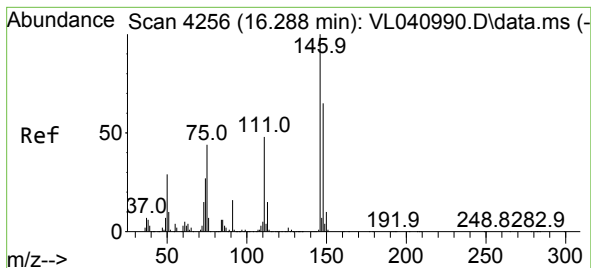
Ion Ratio Lower Upper

119 100

91 95.6 67.6 101.4

134 19.5 16.1 24.1





#66

Benzyl Chloride

Concen: 0.095 ppbv

RT: 16.304 min Scan# 4354

Delta R.T. 0.013 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

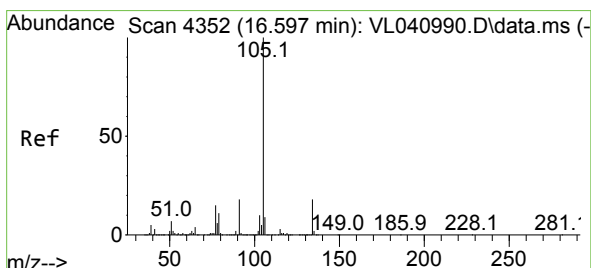
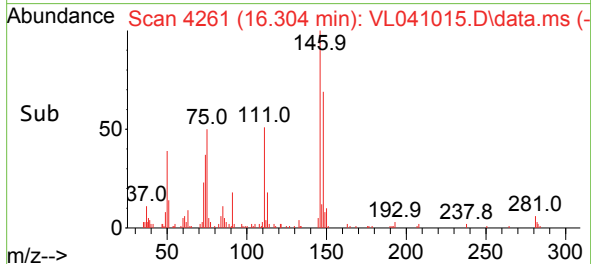
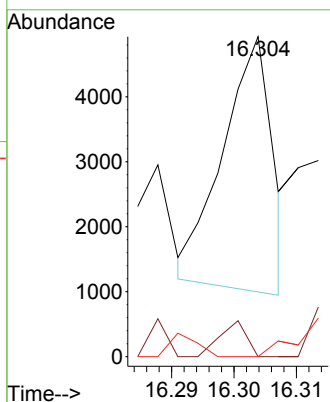
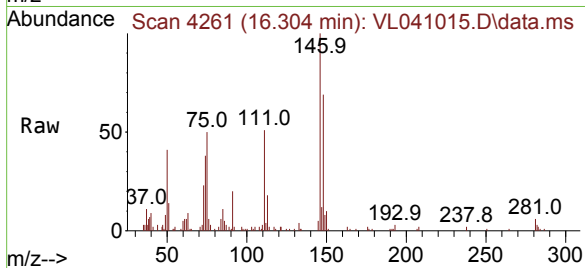
Tgt Ion: 91 Resp: 2142

Ion Ratio Lower Upper

91 100

126 15.6 13.6 20.4

128 5.4 4.2 6.2



#67

sec-Butylbenzene

Concen: 0.400 ppbv

RT: 16.603 min Scan# 4354

Delta R.T. 0.006 min

Lab File: VL041015.D

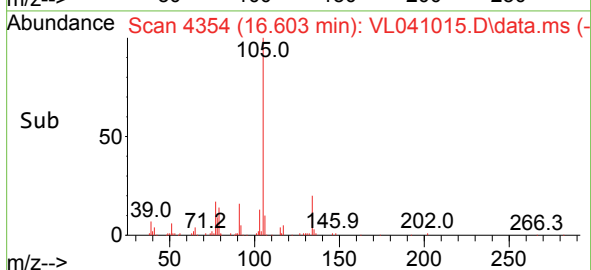
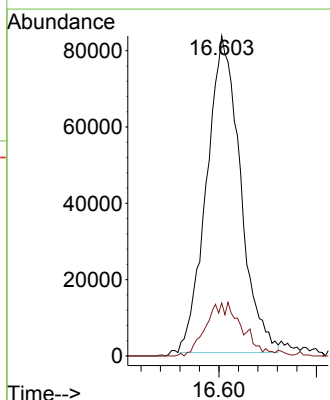
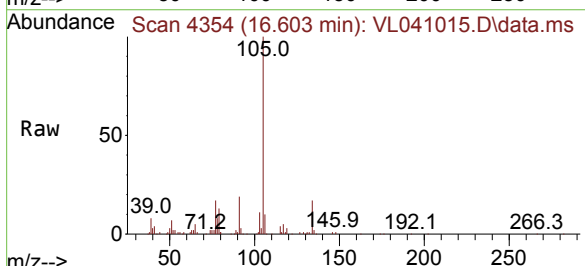
Acq: 24 Jan 2024 14:30

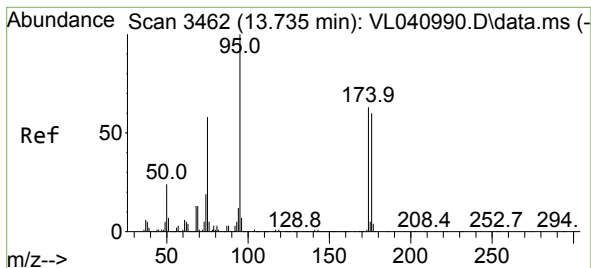
Tgt Ion: 105 Resp: 199921

Ion Ratio Lower Upper

105 100

134 18.7 14.2 21.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.040 ppbv

RT: 13.741 min Scan# 3462

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

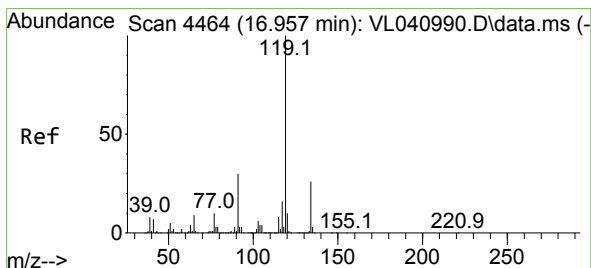
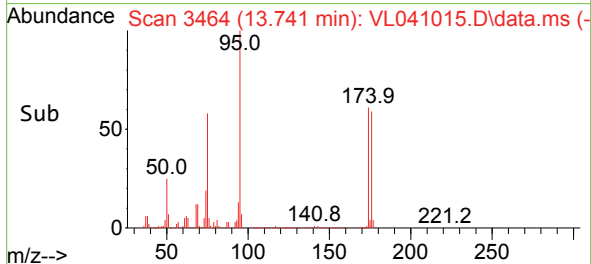
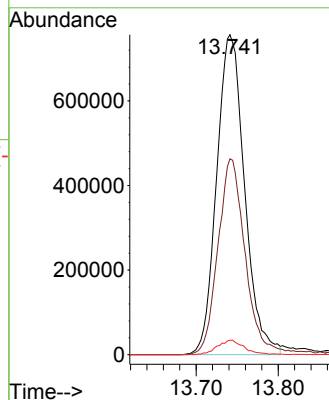
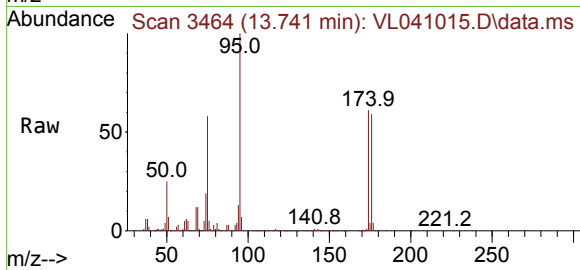
Tgt Ion: 95 Resp: 1793482

Ion Ratio Lower Upper

95 100

174 61.0 49.1 73.7

175 4.4 3.7 5.5



#69

p-Isopropyltoluene

Concen: 0.403 ppbv

RT: 16.966 min Scan# 4467

Delta R.T. 0.010 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

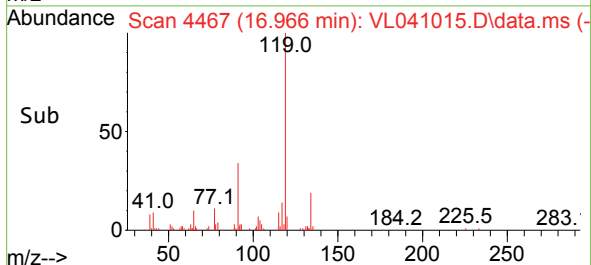
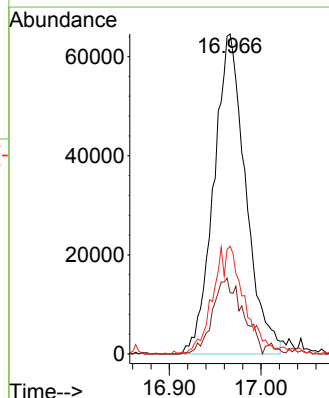
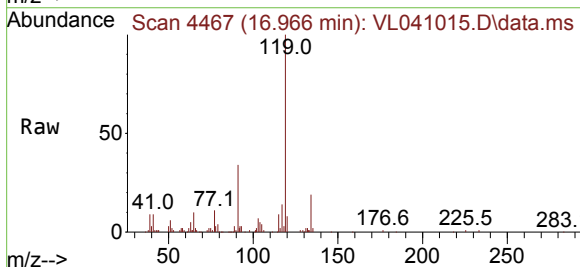
Tgt Ion: 119 Resp: 155849

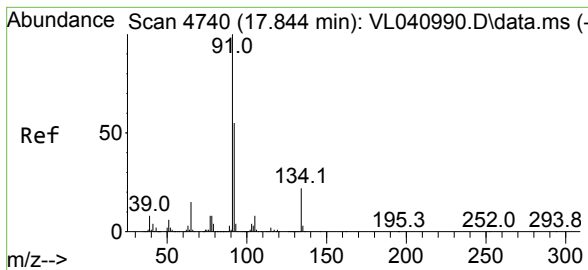
Ion Ratio Lower Upper

119 100

134 24.2 20.6 30.8

91 34.4 24.5 36.7

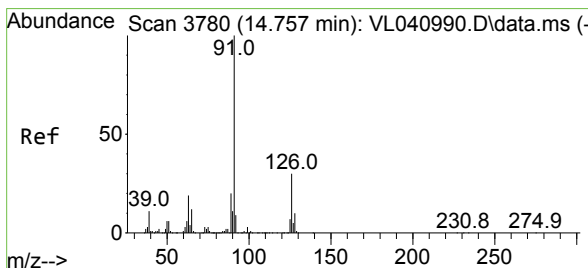
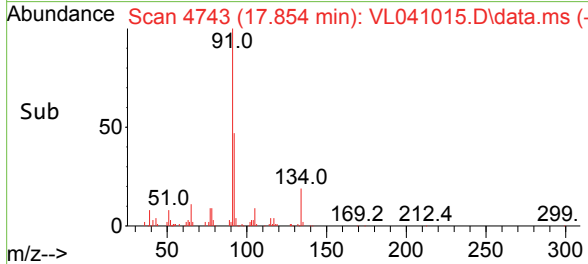
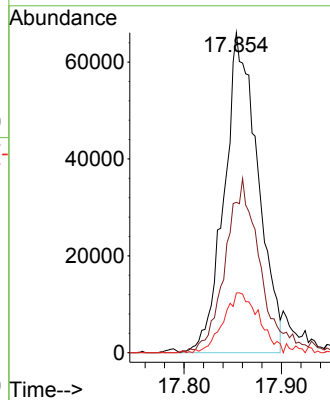
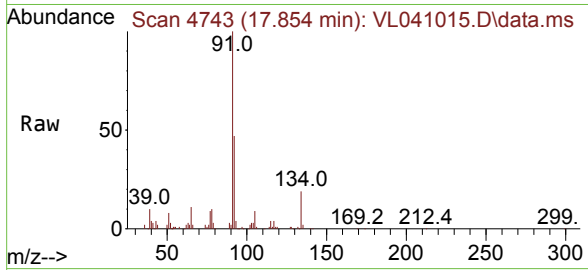




#70
n-Butylbenzene
Concen: 0.379 ppbv
RT: 17.854 min Scan# 4743
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

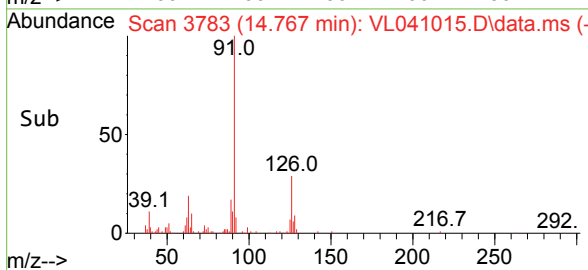
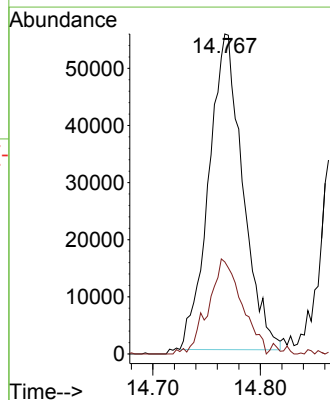
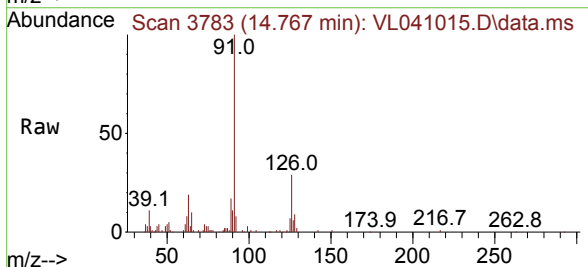
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

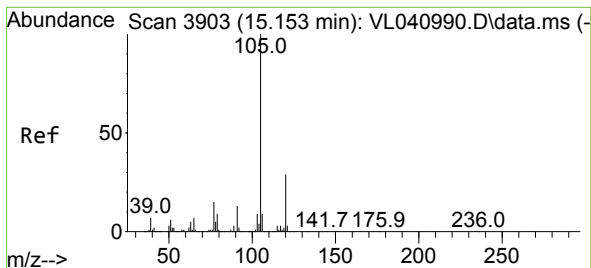
Tgt Ion: 91 Resp: 158360
Ion Ratio Lower Upper
91 100
92 57.7 43.4 65.0
134 19.9 17.4 26.0



#71
2-Chlorotoluene
Concen: 0.402 ppbv
RT: 14.767 min Scan# 3783
Delta R.T. 0.006 min
Lab File: VL041015.D
Acq: 24 Jan 2024 14:30

Tgt Ion: 91 Resp: 121723
Ion Ratio Lower Upper
91 100
126 30.0 12.3 49.1





#72

4-Ethyltoluene

Concen: 0.372 ppbv

RT: 15.162 min Scan# 3906

Delta R.T. 0.010 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

Tgt Ion:105 Resp: 110236

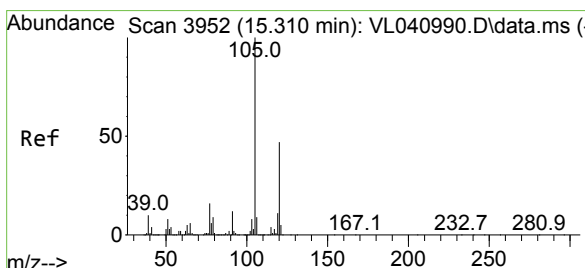
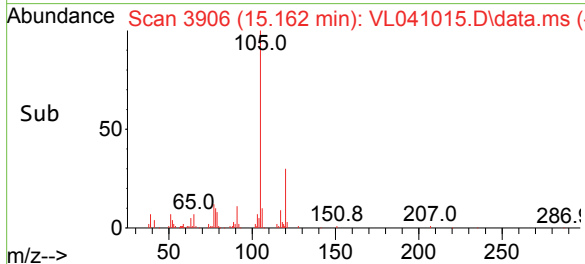
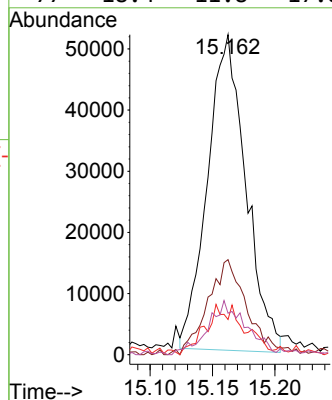
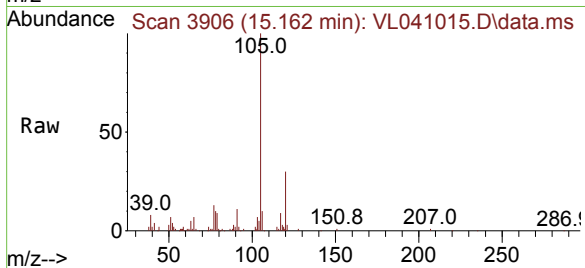
Ion Ratio Lower Upper

105 100

120 32.0 24.3 36.5

91 15.6 11.0 16.4

77 18.4 11.8 17.8#



#73

1,3,5-Trimethylbenzene

Concen: 0.289 ppbv

RT: 15.320 min Scan# 3955

Delta R.T. 0.006 min

Lab File: VL041015.D

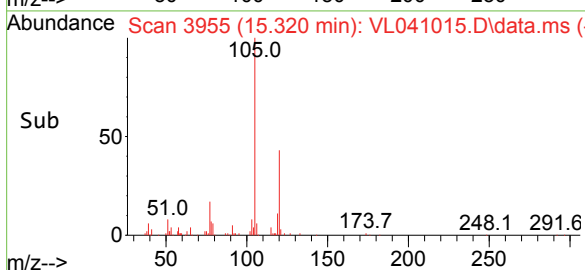
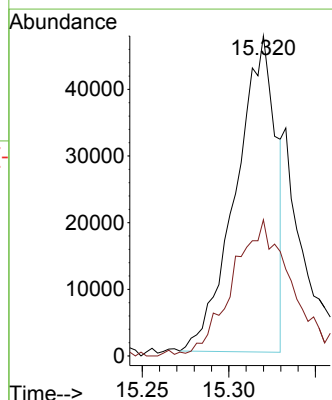
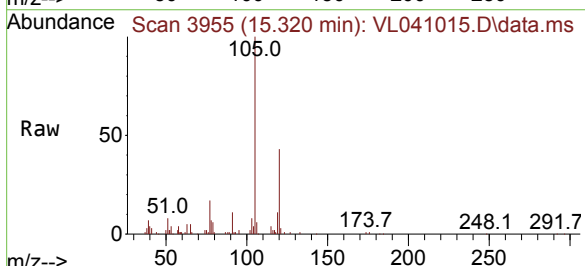
Acq: 24 Jan 2024 14:30

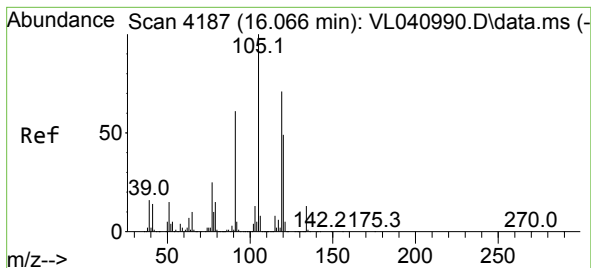
Tgt Ion:105 Resp: 76171

Ion Ratio Lower Upper

105 100

120 45.0 37.2 55.8





#74

1,2,4-Trimethylbenzene

Concen: 0.420 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. 0.003 min

Lab File: VL041015.D

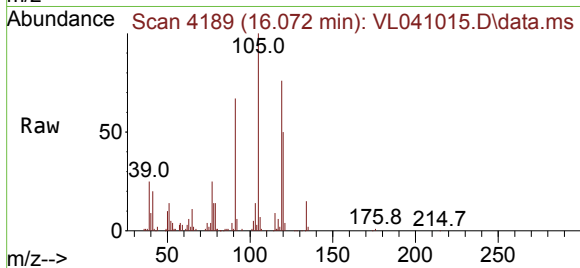
Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:105 Resp: 125307

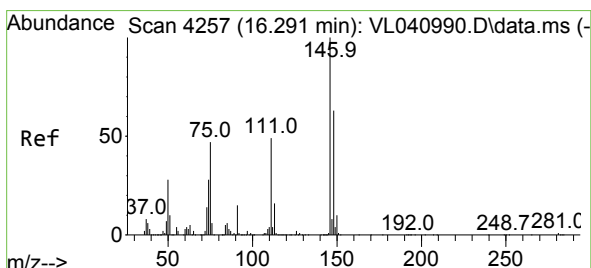
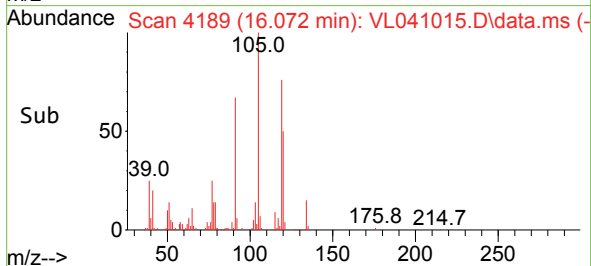
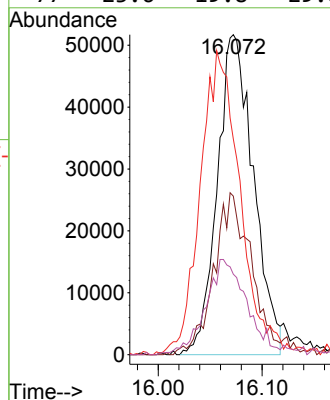
Ion Ratio Lower Upper

105 100

120 47.6 39.3 58.9

91 62.7 48.7 73.1

77 23.6 19.8 29.8



#75

1,3-Dichlorobenzene

Concen: 0.060 ppbv

RT: 16.294 min Scan# 4258

Delta R.T. 0.003 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

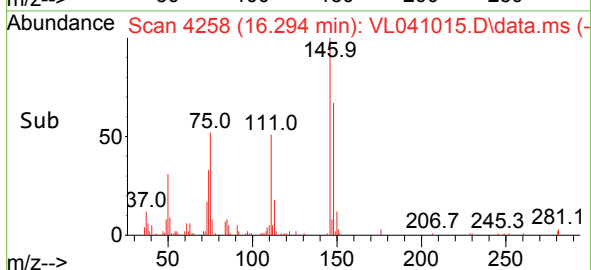
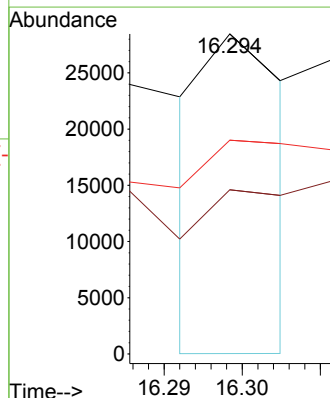
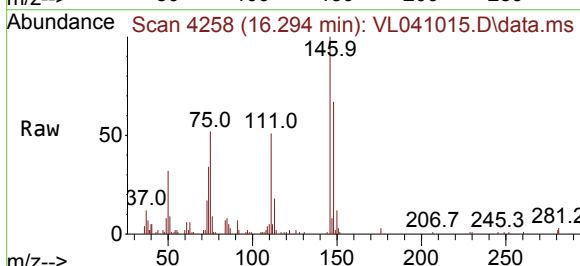
Tgt Ion:146 Resp: 10144

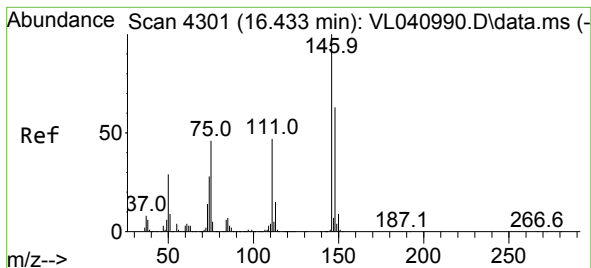
Ion Ratio Lower Upper

146 100

111 0.0 24.4 73.2#

148 472.8 32.5 97.4#





#76

1,4-Dichlorobenzene

Concen: 0.123 ppbv

RT: 16.439 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

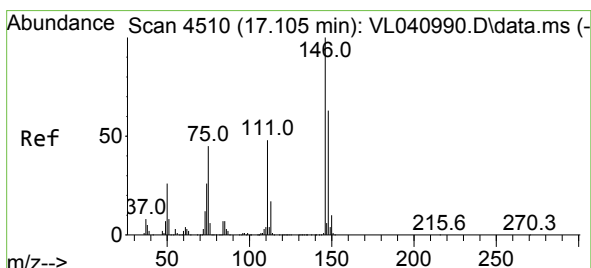
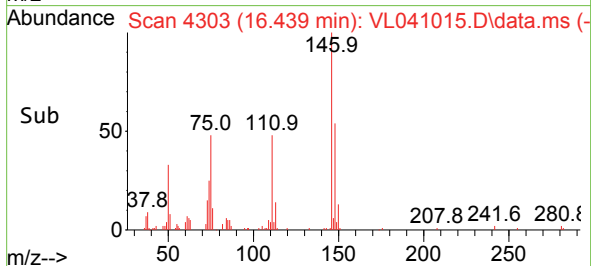
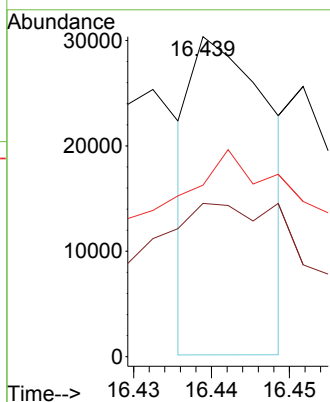
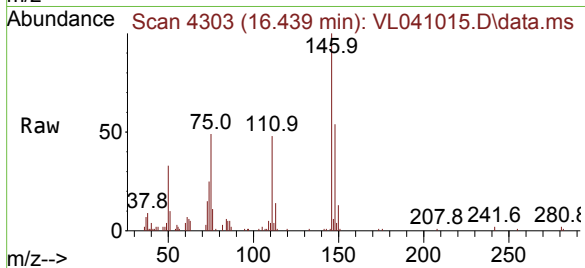
Tgt Ion:146 Resp: 20654

Ion Ratio Lower Upper

146 100

111 0.0 24.0 72.0#

148 249.3 32.9 98.7#



#77

1,2-Dichlorobenzene

Concen: 0.225 ppbv

RT: 17.111 min Scan# 4512

Delta R.T. 0.006 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

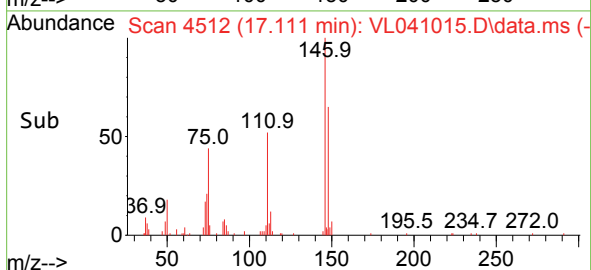
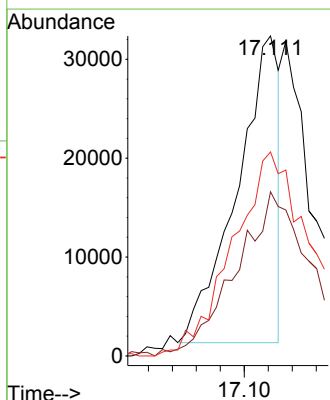
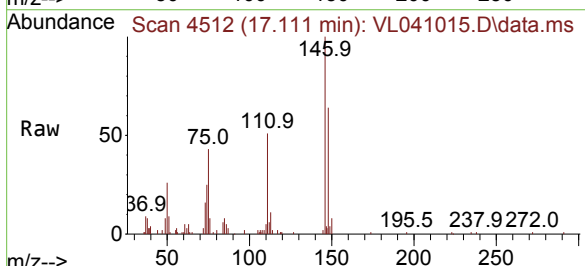
Tgt Ion:146 Resp: 37951

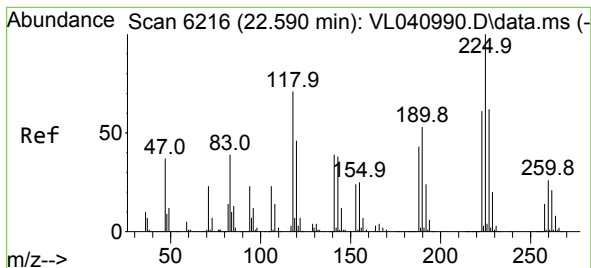
Ion Ratio Lower Upper

146 100

111 105.2 24.8 74.3#

148 134.8 31.8 95.3#





#78

Hexachloro-1,3-Butadiene

Concen: 0.139 ppbv

RT: 22.596 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041015.D

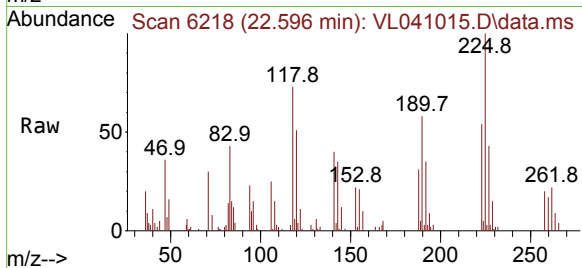
Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



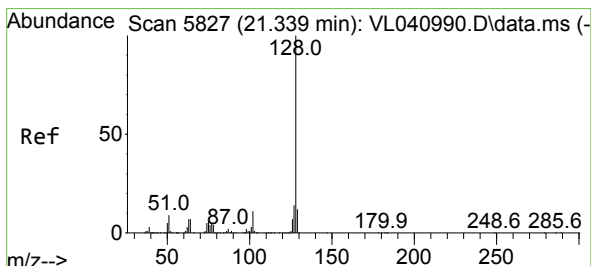
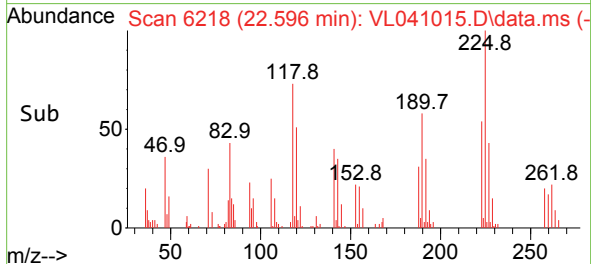
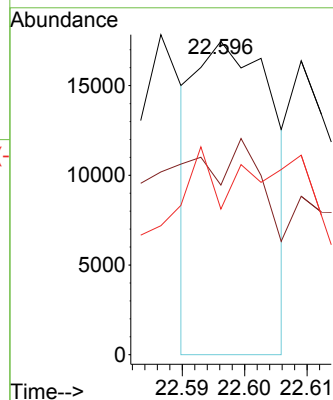
Tgt Ion:225 Resp: 15139

Ion Ratio Lower Upper

225 100

223 225.2 51.1 76.7#

227 211.3 51.0 76.4#



#79

Naphthalene

Concen: 0.172 ppbv

RT: 21.355 min Scan# 5832

Delta R.T. 0.016 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

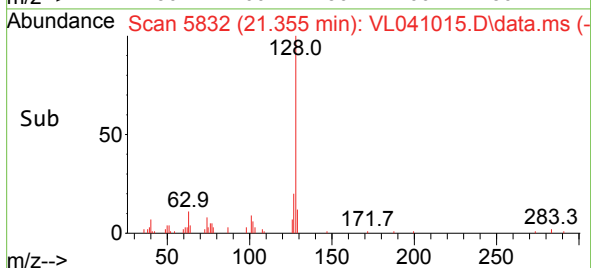
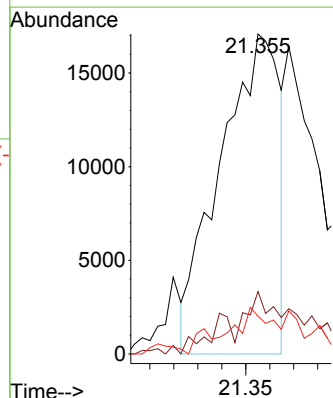
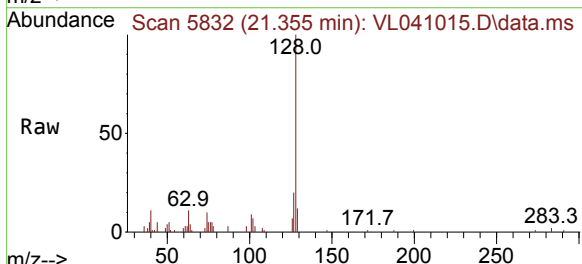
Tgt Ion:128 Resp: 29348

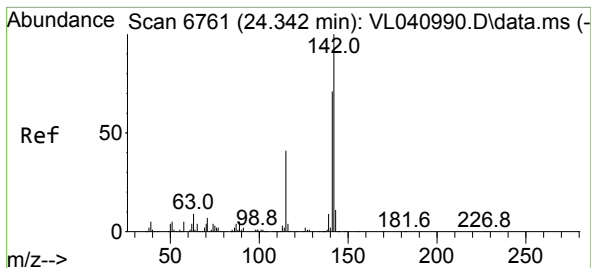
Ion Ratio Lower Upper

128 100

127 23.2 10.9 16.3#

129 12.3 9.3 13.9





#80

Naphthalene, 2-methyl-

Concen: 0.094 ppbv

RT: 24.400 min Scan# 61

Delta R.T. 0.058 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

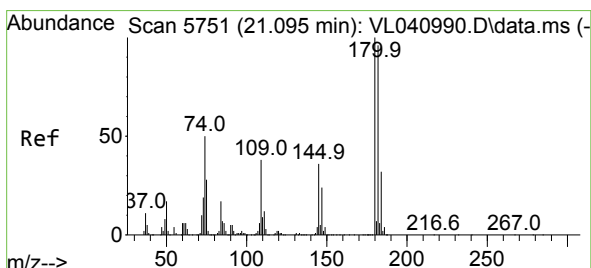
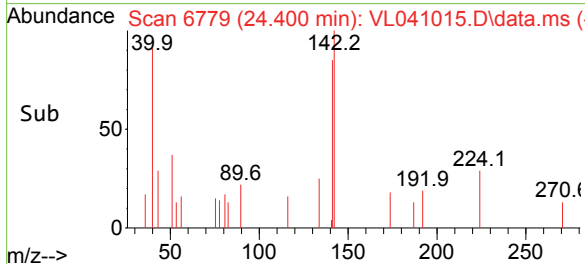
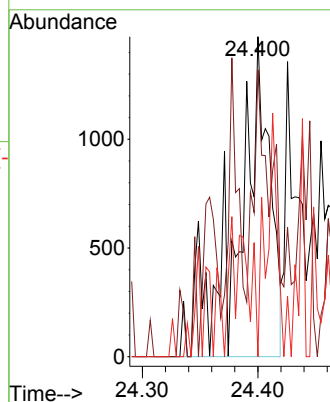
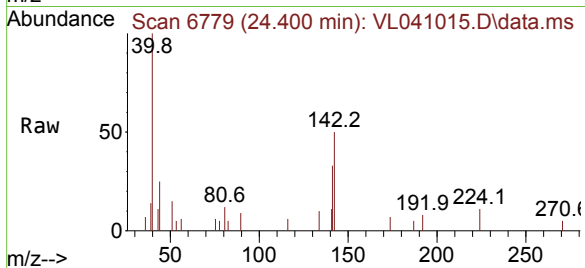
Tgt Ion:142 Resp: 2819

Ion Ratio Lower Upper

142 100

141 86.8 62.7 94.1

115 52.6 34.0 51.0#



#81

1,2,4-Trichlorobenzene

Concen: 0.038 ppbv

RT: 21.108 min Scan# 5755

Delta R.T. 0.010 min

Lab File: VL041015.D

Acq: 24 Jan 2024 14:30

Tgt Ion:180 Resp: 3825

Ion Ratio Lower Upper

180 100

182 873.6 78.6 118.0#

184 296.5 24.4 36.6#

