

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041016.D
 Acq On : 24 Jan 2024 15:08
 Operator : SY/MD
 Sample : P1187-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jan 25 03:19:29 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	5.160	49	1051080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2621081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2292135	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1764991	10.195	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.703	85	101472	0.437	ppbv	90
3) Chlorodifluoromethane	2.649	51	76588	0.433	ppbv	99
4) Chloromethane	2.787	50	27189	0.410	ppbv	88
5) Vinyl Chloride	2.893	62	26198	0.403	ppbv #	81
6) Bromomethane	3.092	94	10172	0.360	ppbv	99
7) Chloroethane	3.169	64	8937	0.382	ppbv	95
8) Dichlorotetrafluoroethane	2.829	85	73134	0.422	ppbv	96
9) Propene	2.668	41	24252	0.418	ppbv	99
10) Heptane	7.545	43	47242	0.331	ppbv	95
11) Trichlorofluoromethane	3.536	101	75335	0.403	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.038	101	57781	0.426	ppbv	98
13) Ethanol	3.234	45	6109	0.442	ppbv	98
14) Bromoethene	3.337	108	19354	0.372	ppbv #	80
15) Acetone	3.456	43	66771	0.497	ppbv	98
16) 1,3-Butadiene	2.957	39	23639	0.368	ppbv	95
17) tert-Butyl alcohol	3.870	59	43404	0.394	ppbv #	94
18) 1,1-Dichloroethene	3.851	96	22985	0.396	ppbv	91
19) Isopropyl Alcohol	3.568	45	30549	0.393	ppbv #	89
20) Methylene Chloride	3.899	84	10072	0.195	ppbv #	80
21) Allyl Chloride	3.967	41	29523	0.362	ppbv	88
22) trans-1,2-Dichloroethene	4.417	96	21222	0.355	ppbv	85
23) Vinyl Acetate	4.603	43	44728	0.323	ppbv #	94
24) 1,1-Dichloroethane	4.530	63	49319	0.401	ppbv	98
25) Ethyl Acetate	5.189	43	87939	0.361	ppbv	96
26) Hexane	5.179	57	30069	0.289	ppbv #	1
27) Carbon Disulfide	4.092	76	25319	0.187	ppbv #	30
28) Methyl tert-Butyl Ether	4.568	73	17697	0.205	ppbv #	46
29) Chloroform	5.243	83	78339	0.425	ppbv	95
30) Cyclohexane	6.571	84	25441	0.292	ppbv #	86
31) cis-1,2-Dichloroethene	5.050	61	38411	0.394	ppbv	93
32) 1,1,1-Trichloroethane	5.973	97	68209	0.387	ppbv	96
34) 2-Butanone	4.771	43	50624	0.405	ppbv	96
35) Carbon Tetrachloride	6.459	117	69009	0.395	ppbv	86
36) Benzene	6.340	78	83092	0.384	ppbv	95
37) 1,2-Dichloroethane	5.777	62	54281	0.411	ppbv #	95
38) Trichloroethene	7.253	130	17847	0.206	ppbv	93
39) 1,2-Dichloropropane	7.044	63	21643	0.254	ppbv #	90
41) Tetrahydrofuran	5.552	42	26366	0.311	ppbv	96
42) Bromodichloromethane	7.218	83	37985	0.201	ppbv	93
43) Methyl Methacrylate	7.452	69	23028	0.276	ppbv #	72
44) 2,2,4-Trimethylpentane	7.295	57	84365	0.232	ppbv #	52
45) t-1,3-Dichloropropene	8.687	75	4412	0.077	ppbv	91
46) cis-1,3-Dichloropropene	8.115	75	20190	0.284	ppbv #	76

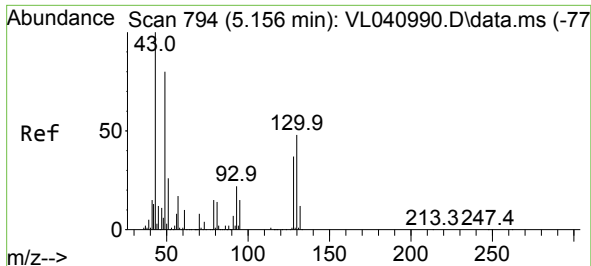
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
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Quant Time: Jan 25 03:19:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.867	97	32745	0.356	ppbv	95
48) Dibromochloromethane	9.677	129	51418	0.331	ppbv	94
49) Bromoform	12.388	173	8207	0.067	ppbv #	27
50) 4-Methyl-2-Pentanone	8.172	43	44088	0.200	ppbv #	40
51) 2-Hexanone	9.533	43	9107	0.057	ppbv #	31
52) Tetrachloroethene	10.584	164	4712	0.066	ppbv #	43
53) Toluene	9.188	91	73493	0.310	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.475	131	6564	0.060	ppbv #	1
57) Chlorobenzene	11.494	112	38417	0.208	ppbv #	96
58) Ethyl Benzene	12.057	91	104378	0.339	ppbv	99
59) m/p-Xylene	12.336	91	134461	0.501	ppbv #	75
60) o-Xylene	13.024	91	92057	0.358	ppbv	96
61) Styrene	12.864	104	7586	0.064	ppbv #	1
62) Isopropylbenzene	13.999	105	145438	0.382	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.015	83	83838	0.419	ppbv	99
64) n-propylbenzene	14.892	120	13497	0.140	ppbv #	1
65) tert-Butylbenzene	16.060	119	118414	0.356	ppbv	91
66) Benzyl Chloride	16.294	91	1204	0.055	ppbv #	14
67) sec-Butylbenzene	16.603	105	170040	0.351	ppbv	100
69) p-Isopropyltoluene	16.966	119	124356	0.331	ppbv	94
70) n-Butylbenzene	17.854	91	60977	0.150	ppbv #	33
71) 2-Chlorotoluene	14.767	91	59533	0.203	ppbv #	54
72) 4-Ethyltoluene	15.159	105	92811	0.323	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.330	105	29860	0.117	ppbv	98
74) 1,2,4-Trimethylbenzene	16.076	105	102085	0.353	ppbv #	87
75) 1,3-Dichlorobenzene	16.301	146	28769	0.175	ppbv #	8
76) 1,4-Dichlorobenzene	16.439	146	31940	0.197	ppbv #	22
77) 1,2-Dichlorobenzene	17.121	146	33832	0.207	ppbv #	26
78) Hexachloro-1,3-Butadiene	22.606	225	14372	0.136	ppbv #	18
79) Naphthalene	21.339	128	8977	0.054	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	1876	0.065	ppbv #	52
81) 1,2,4-Trichlorobenzene	21.117	180	12852	0.133	ppbv #	14

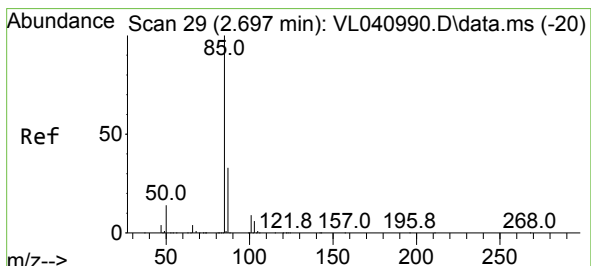
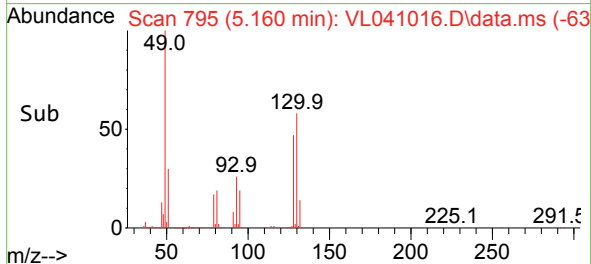
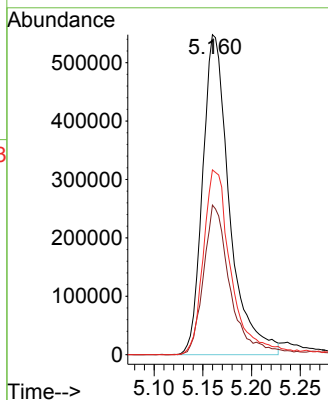
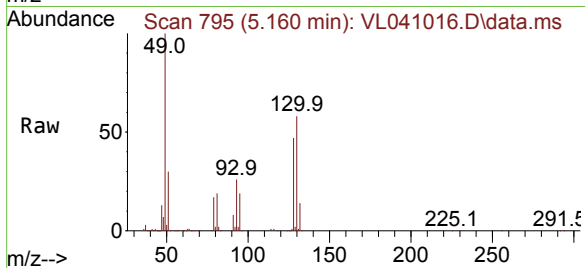
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.160 min Scan# 794
 Delta R.T. 0.004 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

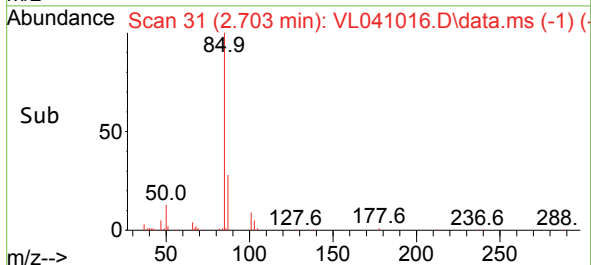
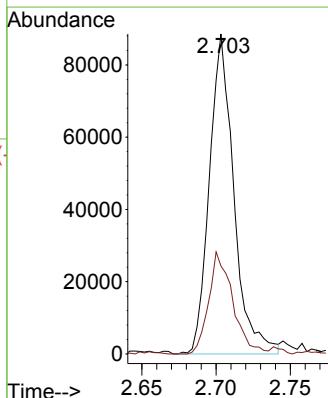
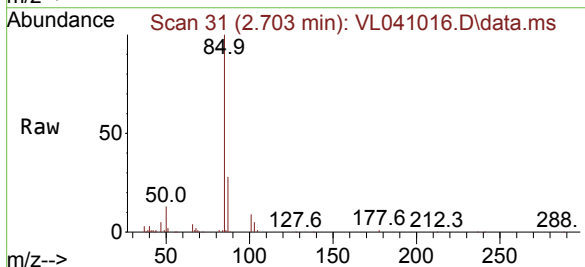
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

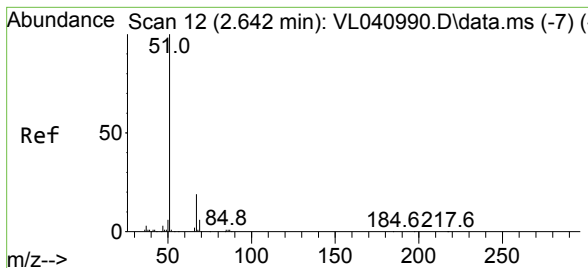
Tgt Ion: 49 Resp: 1051080
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.9 71.7
 130 60.5 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.437 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 85 Resp: 101472
 Ion Ratio Lower Upper
 85 100
 87 27.5 26.3 39.5

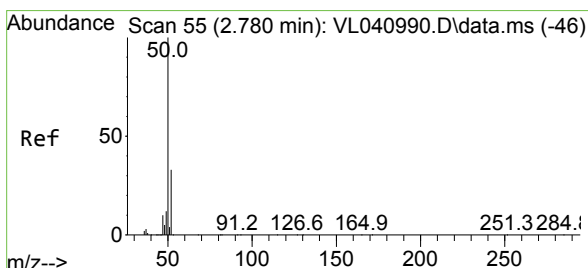
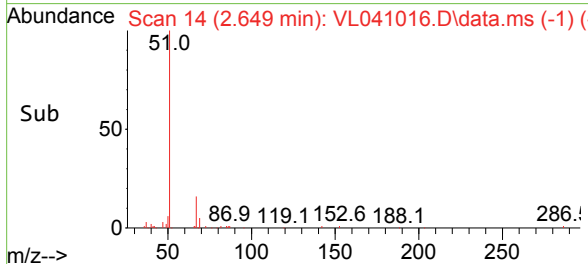
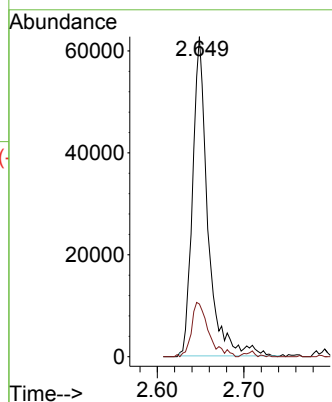
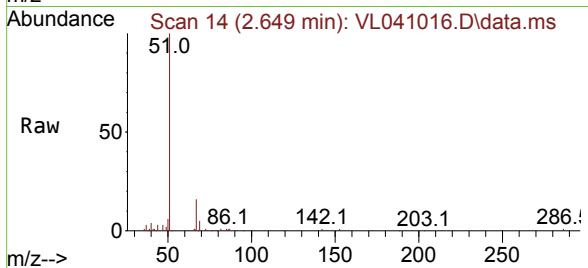




#3
Chlorodifluoromethane
Concen: 0.433 ppbv
RT: 2.649 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

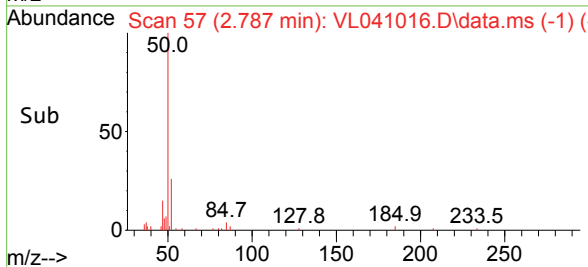
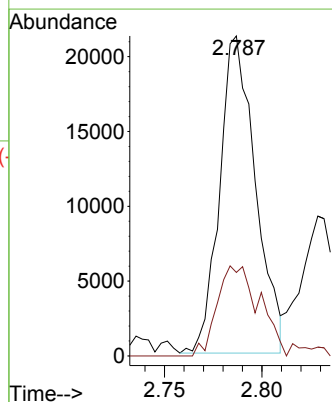
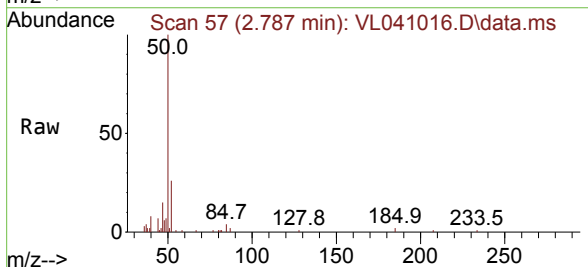
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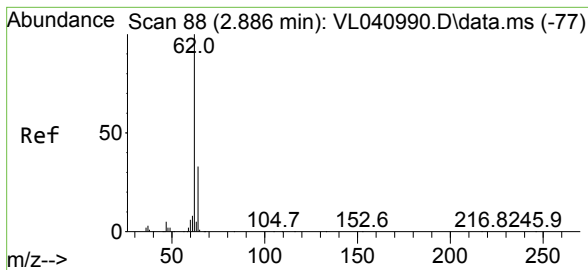
Tgt Ion: 51 Resp: 76588
Ion Ratio Lower Upper
51 100
67 19.0 14.8 22.2



#4
Chloromethane
Concen: 0.410 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 50 Resp: 27189
Ion Ratio Lower Upper
50 100
52 26.3 26.2 39.4

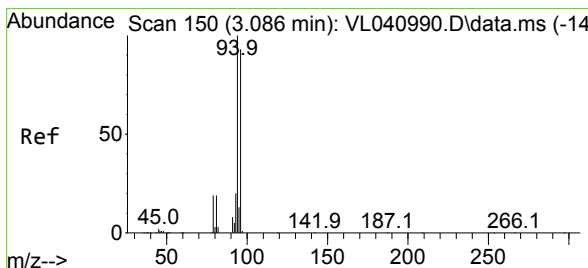
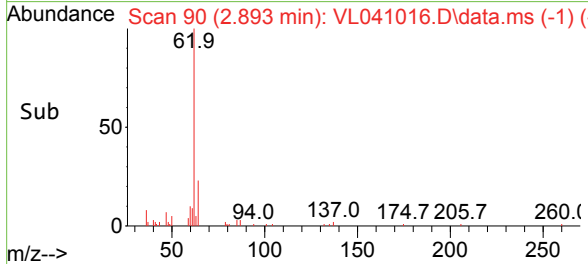
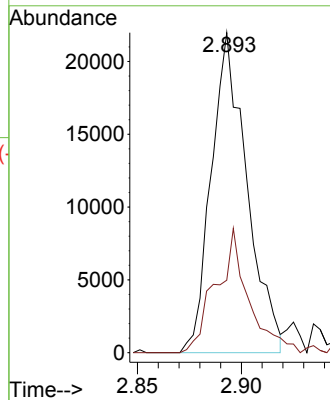
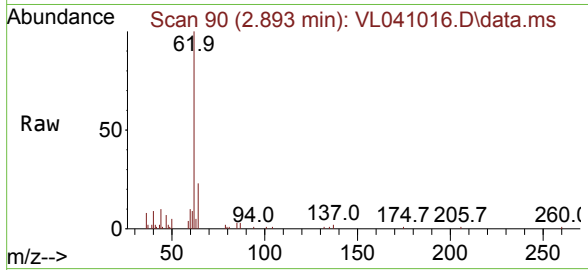




#5
 Vinyl Chloride
 Concen: 0.403 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

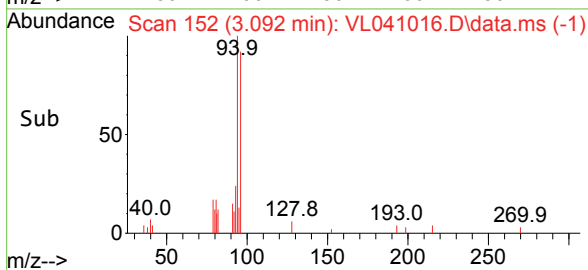
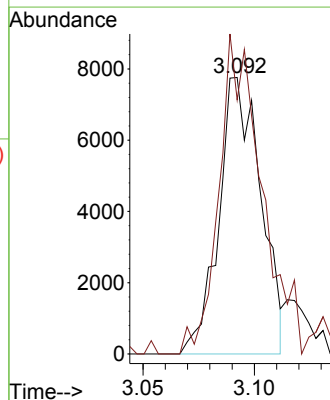
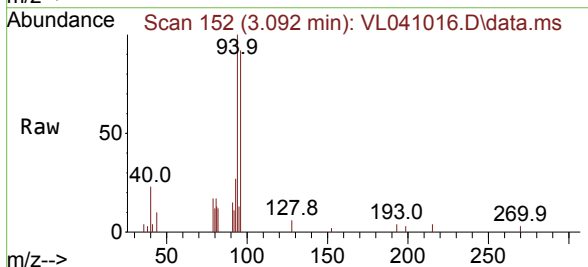
Instrument :
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 ClientSampleId :
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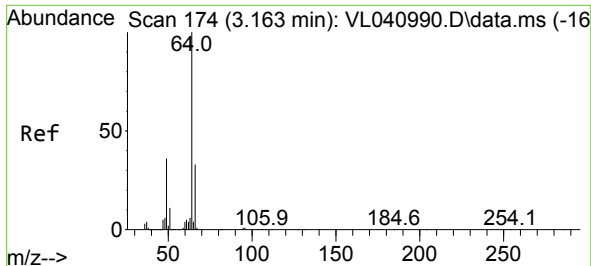
Tgt Ion: 62 Resp: 26198
 Ion Ratio Lower Upper
 62 100
 64 22.7 26.6 40.0#



#6
 Bromomethane
 Concen: 0.360 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 94 Resp: 10172
 Ion Ratio Lower Upper
 94 100
 96 91.9 74.2 111.4

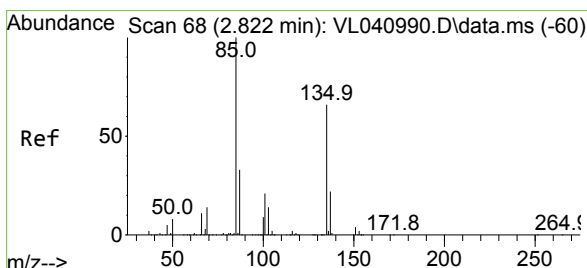
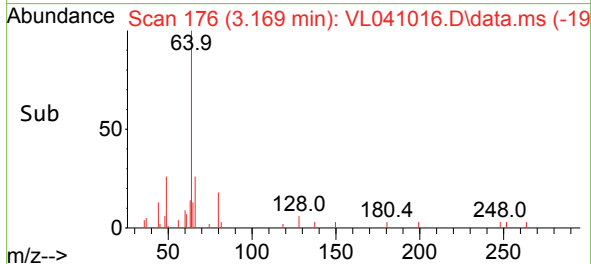
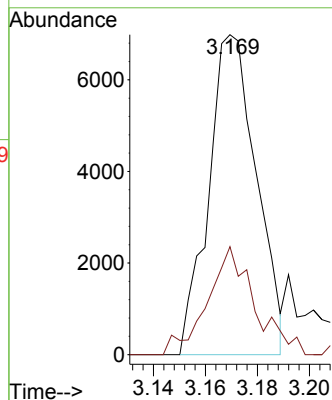
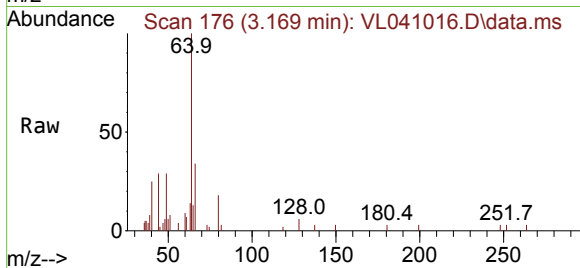




#7
Chloroethane
Concen: 0.382 ppbv
RT: 3.169 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

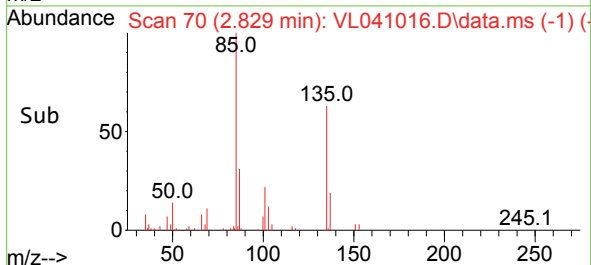
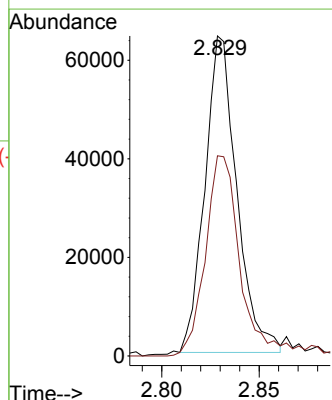
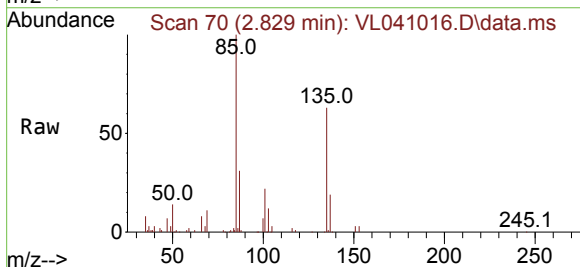
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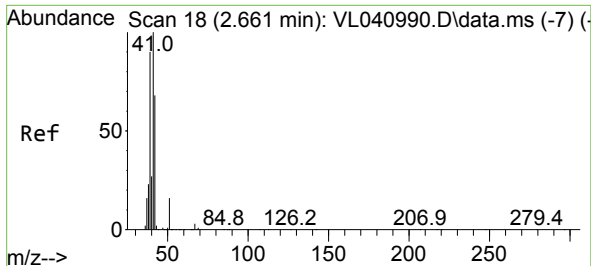
Tgt Ion: 64 Resp: 8937
Ion Ratio Lower Upper
64 100
66 29.9 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.422 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 85 Resp: 73134
Ion Ratio Lower Upper
85 100
135 71.6 55.0 82.6

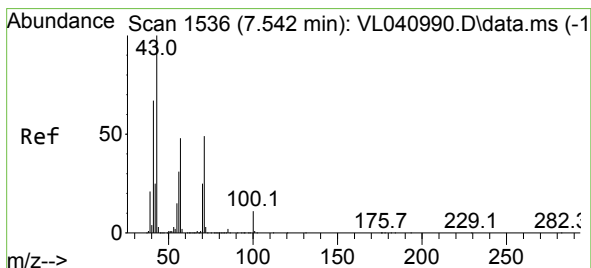
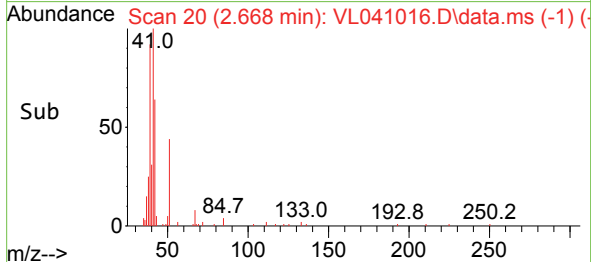
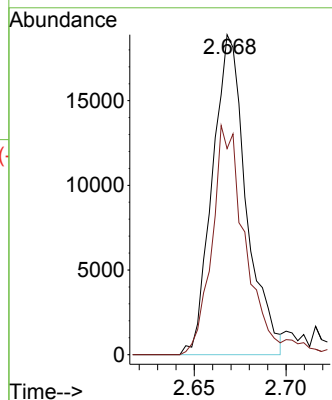
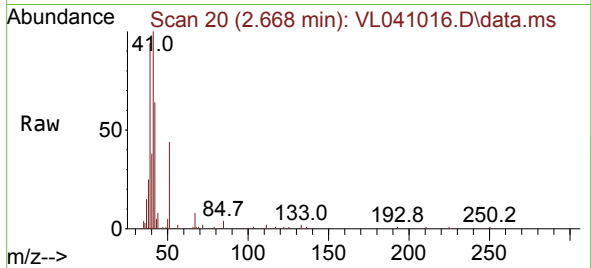




#9
Propene
Concen: 0.418 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

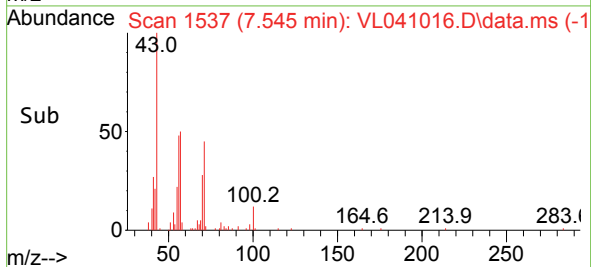
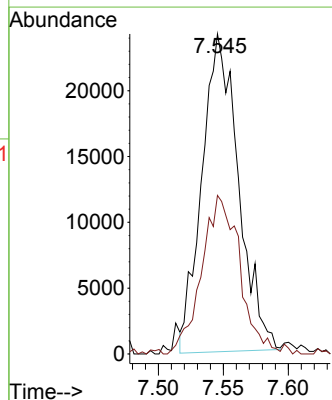
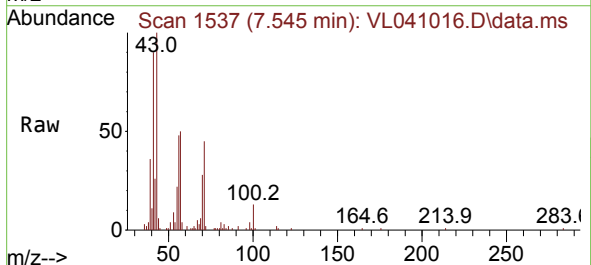
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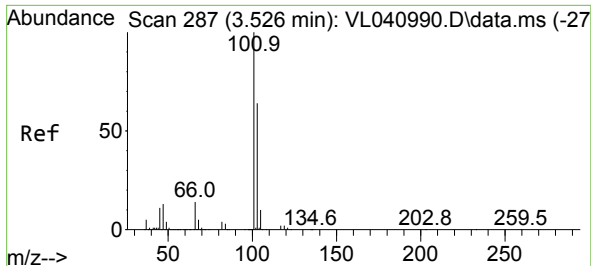
Tgt Ion: 41 Resp: 24252
Ion Ratio Lower Upper
41 100
42 72.7 59.0 88.4



#10
Heptane
Concen: 0.331 ppbv
RT: 7.545 min Scan# 1537
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 43 Resp: 47242
Ion Ratio Lower Upper
43 100
57 52.7 39.4 59.2

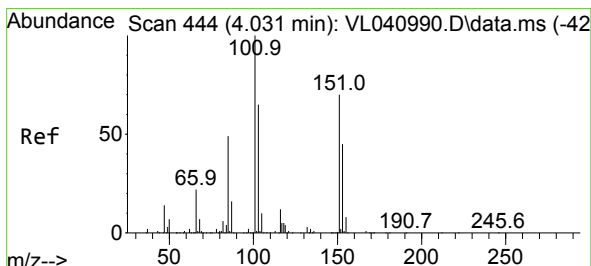
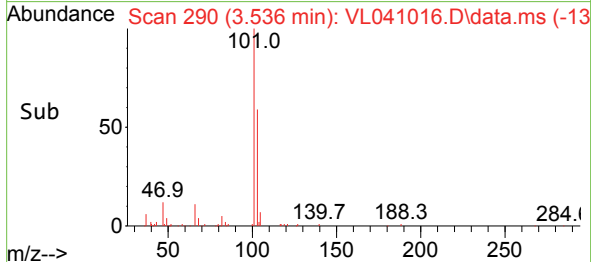
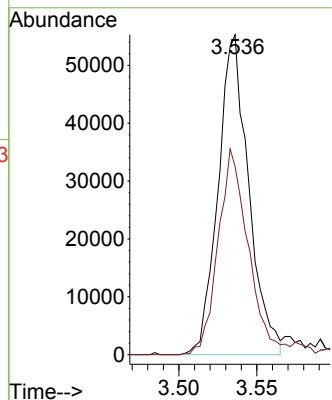
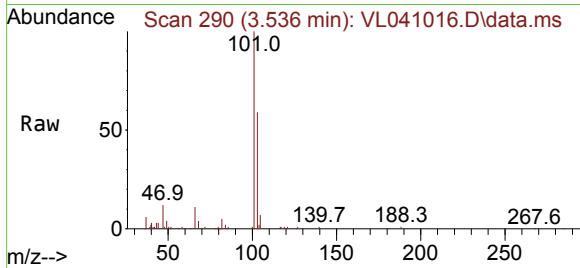




#11
 Trichlorofluoromethane
 Concen: 0.403 ppbv
 RT: 3.536 min Scan# 290
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

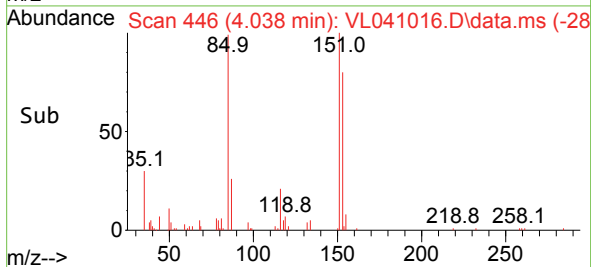
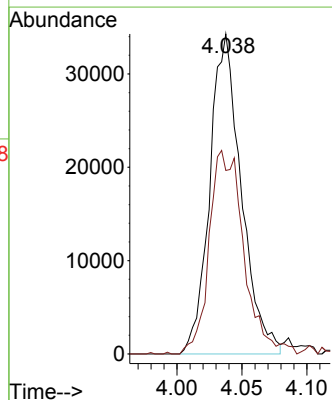
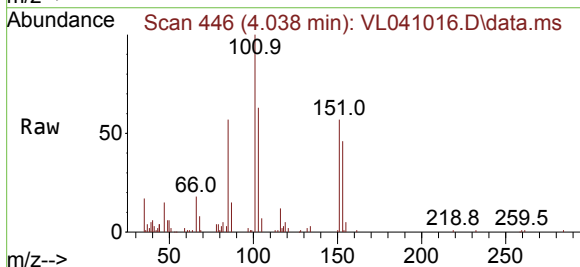
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 LOD-MDL-AIR-01-QT1-2024

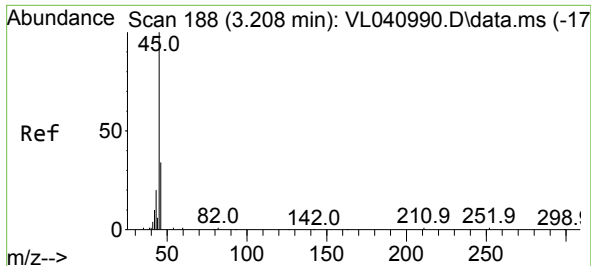
Tgt Ion:101 Resp: 75335
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.426 ppbv
 RT: 4.038 min Scan# 446
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion:101 Resp: 57781
 Ion Ratio Lower Upper
 101 100
 151 69.5 56.6 85.0

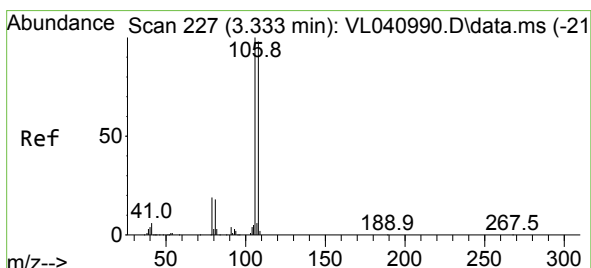
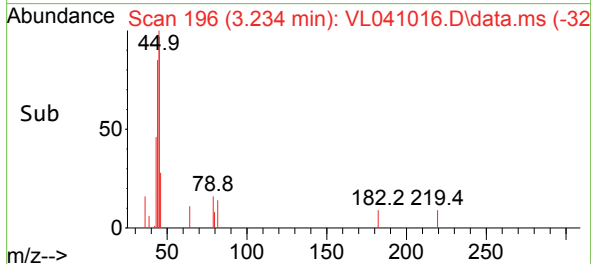
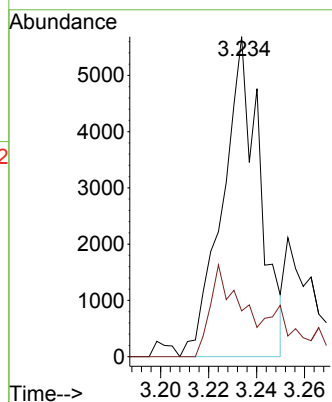
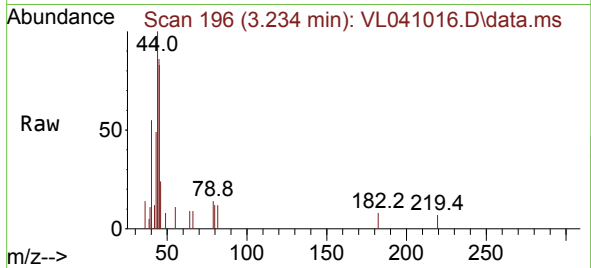




#13
Ethanol
Concen: 0.442 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.026 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

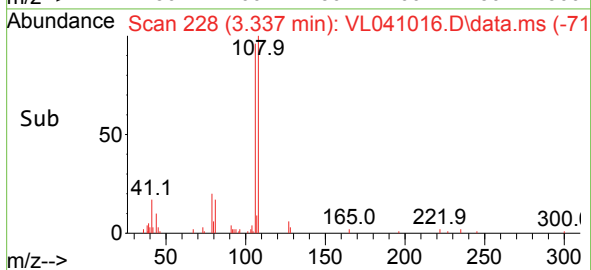
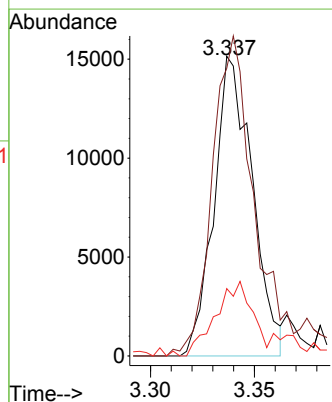
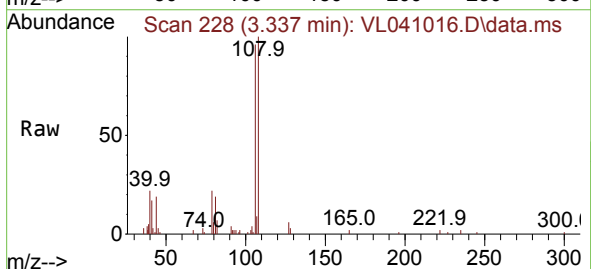
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

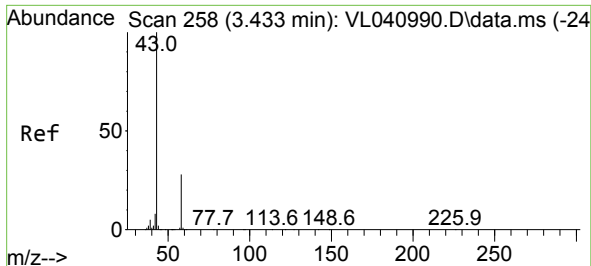
Tgt Ion: 45 Resp: 6109
Ion Ratio Lower Upper
45 100
46 42.0 16.2 64.8



#14
Bromoethene
Concen: 0.372 ppbv
RT: 3.337 min Scan# 228
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 108 Resp: 19354
Ion Ratio Lower Upper
108 100
106 127.9 86.4 129.6
79 30.8 16.2 24.4#





#15

Acetone

Concen: 0.497 ppbv

RT: 3.456 min Scan# 2

Delta R.T. 0.019 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

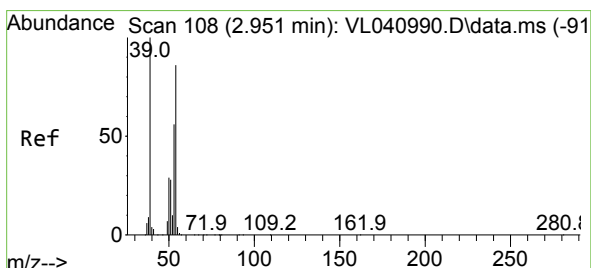
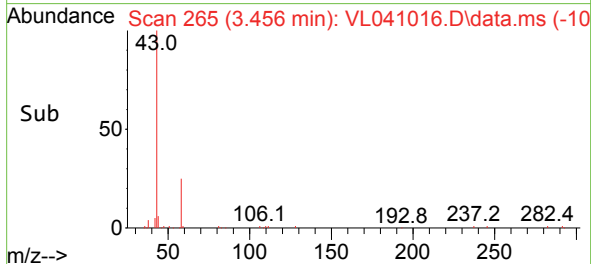
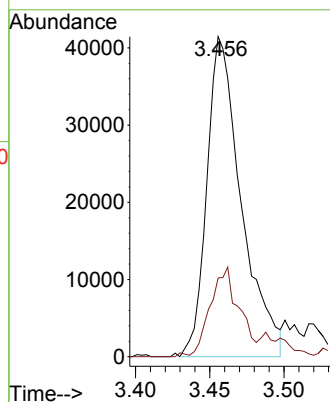
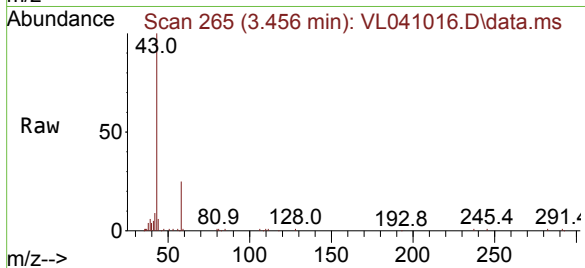
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 43 Resp: 66771

Ion Ratio Lower Upper

43 100

58 28.9 22.2 33.2



#16

1,3-Butadiene

Concen: 0.368 ppbv

RT: 2.957 min Scan# 110

Delta R.T. 0.003 min

Lab File: VL041016.D

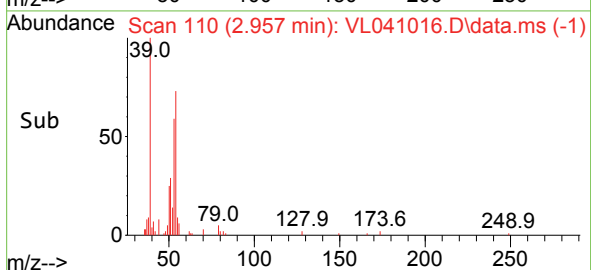
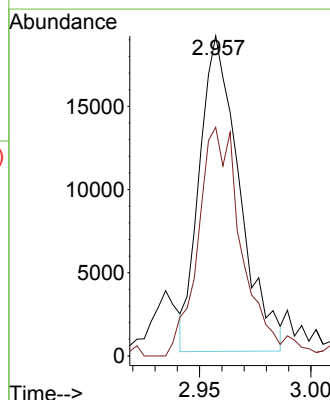
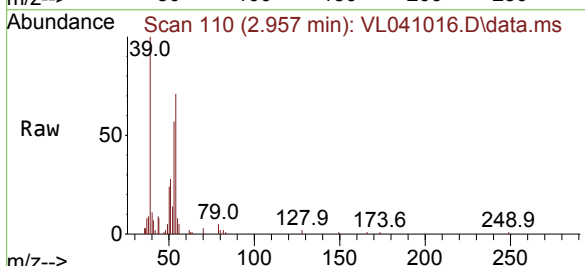
Acq: 24 Jan 2024 15:08

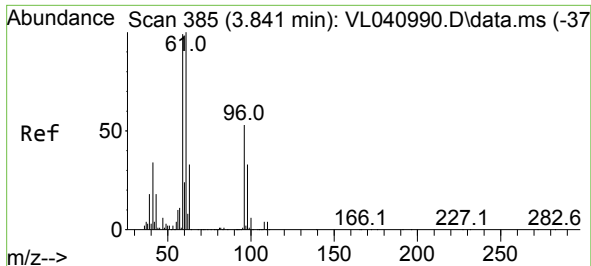
Tgt Ion: 39 Resp: 23639

Ion Ratio Lower Upper

39 100

54 82.7 62.7 94.1





#17

tert-Butyl alcohol

Concen: 0.394 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.026 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

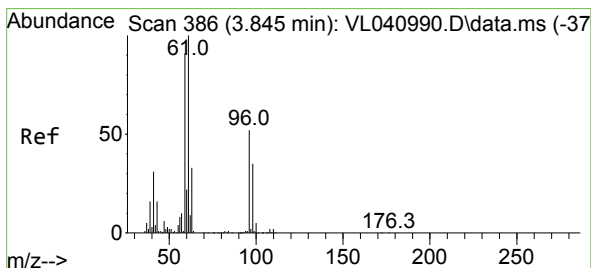
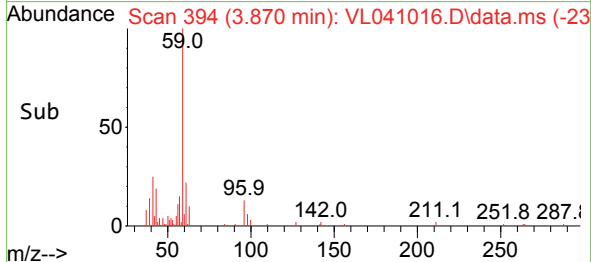
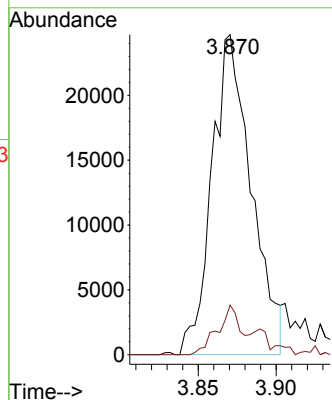
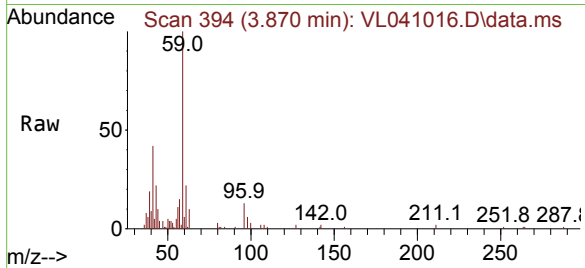
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 59 Resp: 43404

Ion Ratio Lower Upper

59 100

57 13.2 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.396 ppbv

RT: 3.851 min Scan# 388

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

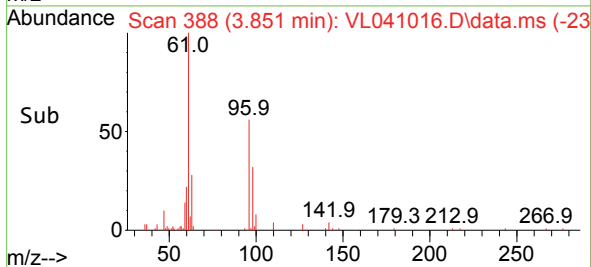
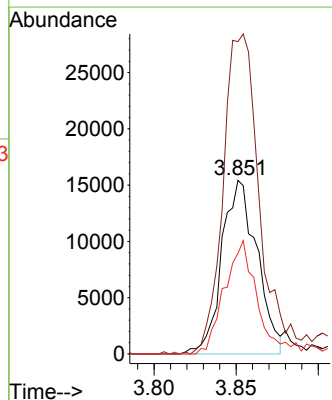
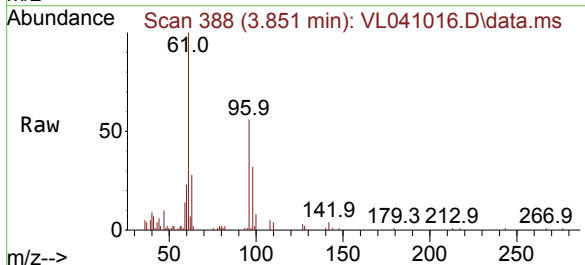
Tgt Ion: 96 Resp: 22985

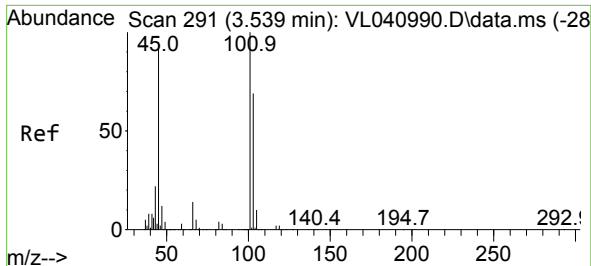
Ion Ratio Lower Upper

96 100

61 179.8 153.8 230.8

98 57.9 53.7 80.5

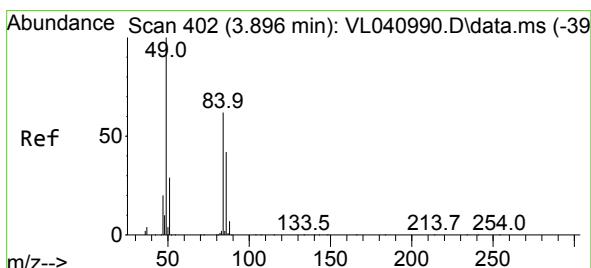
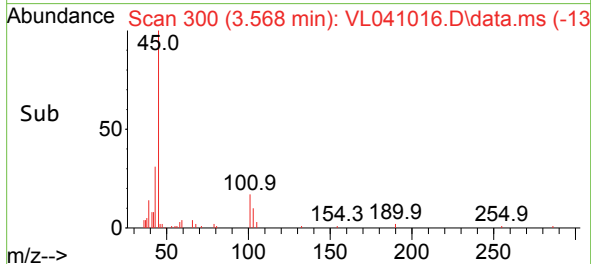
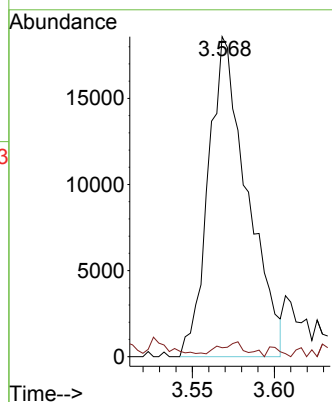
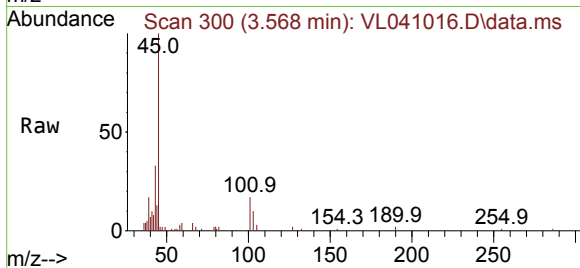




#19
Isopropyl Alcohol
Concen: 0.393 ppbv
RT: 3.568 min Scan# 30
Delta R.T. 0.023 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

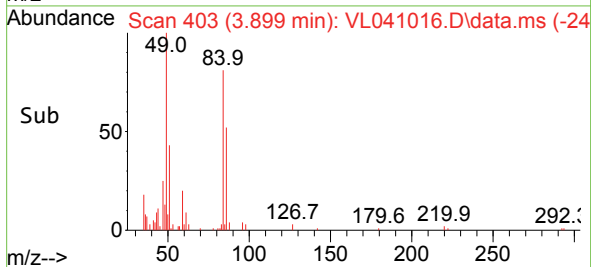
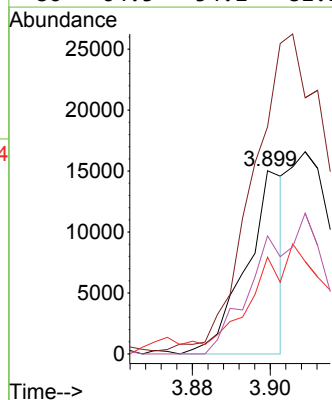
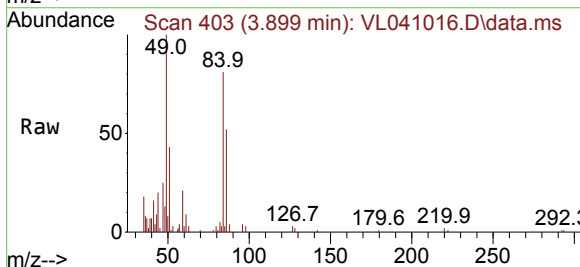
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

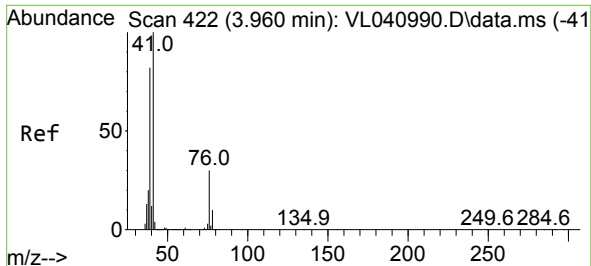
Tgt Ion: 45 Resp: 30549
Ion Ratio Lower Upper
45 100
58 6.4 2.2 3.4#



#20
Methylene Chloride
Concen: 0.195 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 84 Resp: 10072
Ion Ratio Lower Upper
84 100
49 118.6 128.1 192.1#
51 47.8 36.5 54.7
86 64.5 54.1 81.1

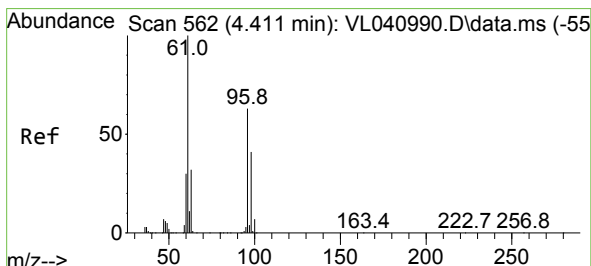
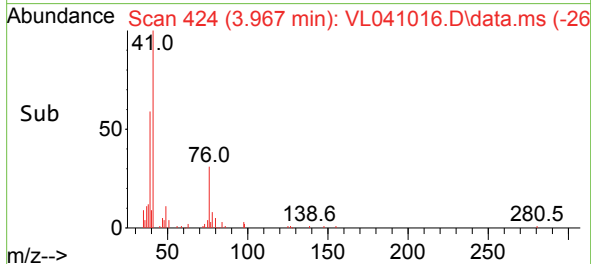
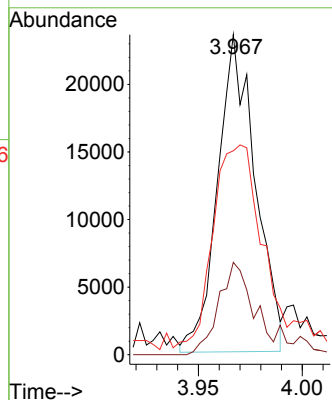
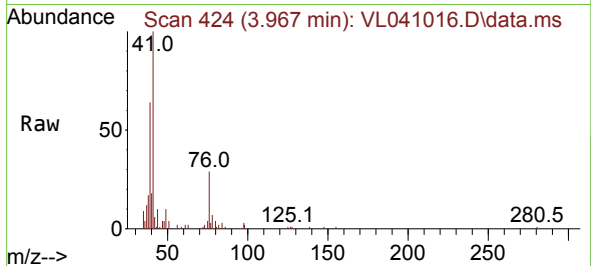




#21
 Allyl Chloride
 Concen: 0.362 ppbv
 RT: 3.967 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

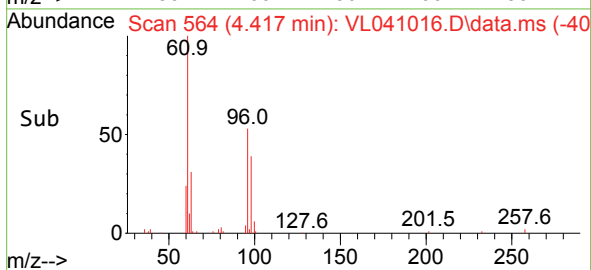
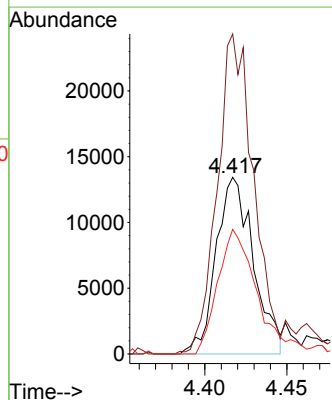
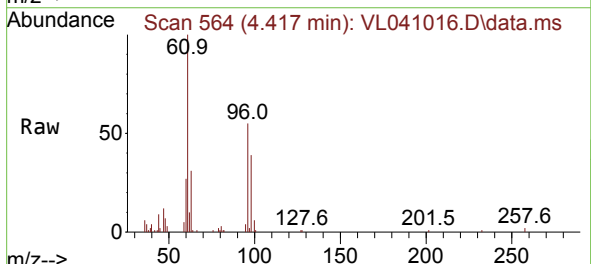
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

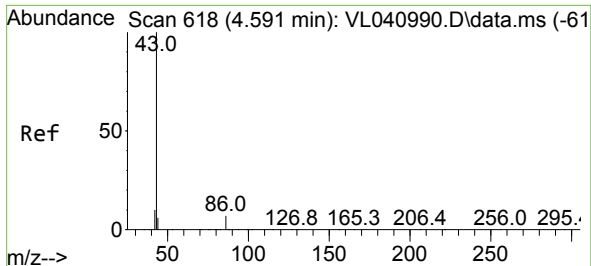
Tgt Ion: 41 Resp: 29523
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.0 37.4
 39 97.9 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.355 ppbv
 RT: 4.417 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 96 Resp: 21222
 Ion Ratio Lower Upper
 96 100
 61 179.8 126.0 189.0
 98 70.6 51.2 76.8

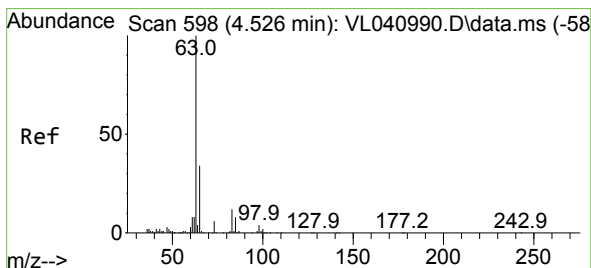
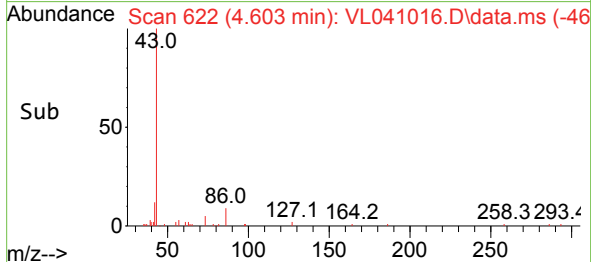
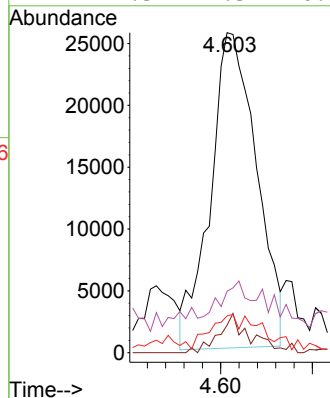
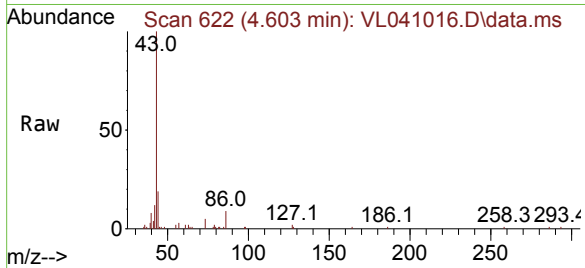




#23
 Vinyl Acetate
 Concen: 0.323 ppbv
 RT: 4.603 min Scan# 618
 Delta R.T. 0.010 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

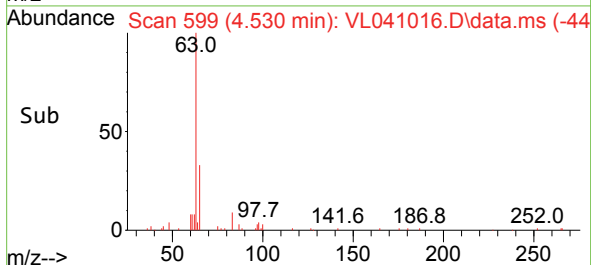
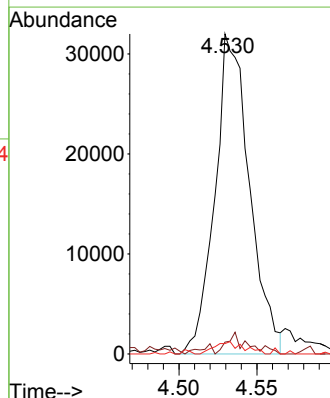
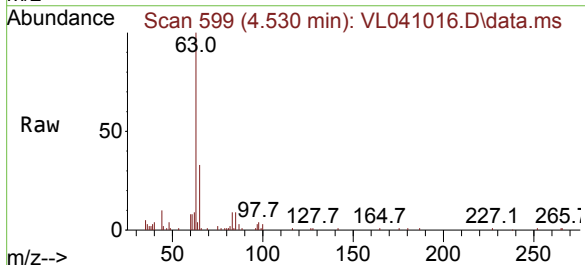
Instrument :
 MSVOA_1
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

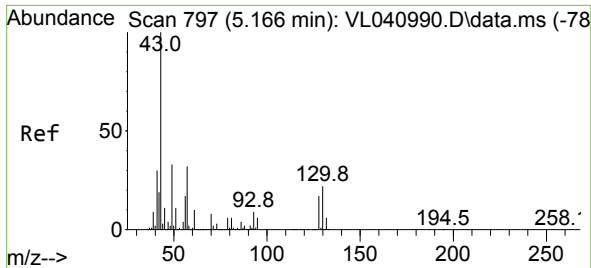
Tgt Ion: 43	Resp: 44728
Ion Ratio	Lower Upper
43 100	
86 9.9	5.4 8.0#
42 10.6	8.6 13.0
44 9.3	4.3 6.5#



#24
 1,1-Dichloroethane
 Concen: 0.401 ppbv
 RT: 4.530 min Scan# 599
 Delta R.T. 0.000 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

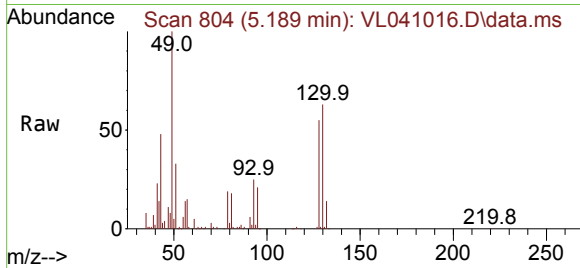
Tgt Ion: 63	Resp: 49319
Ion Ratio	Lower Upper
63 100	
98 3.7	2.1 6.3
100 3.3	1.3 3.9



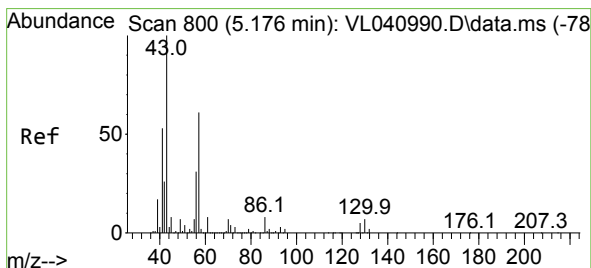
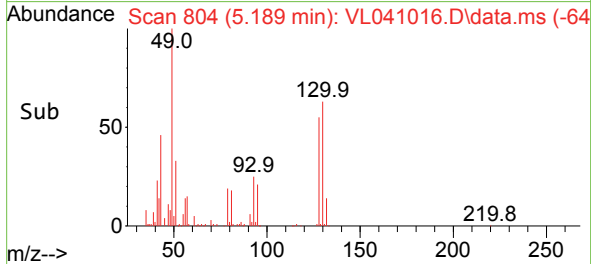
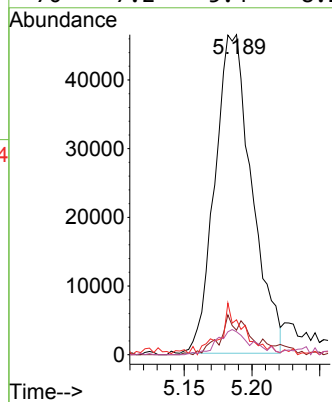


#25
Ethyl Acetate
Concen: 0.361 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.023 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

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

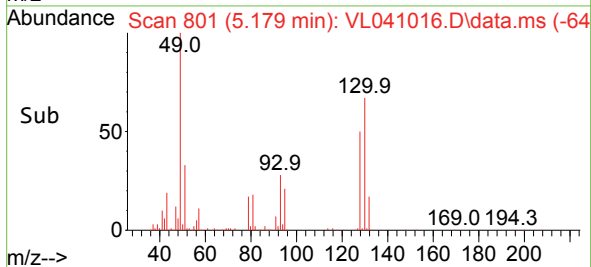
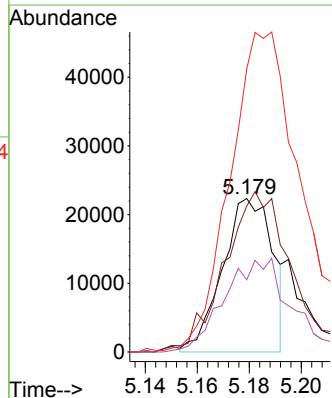
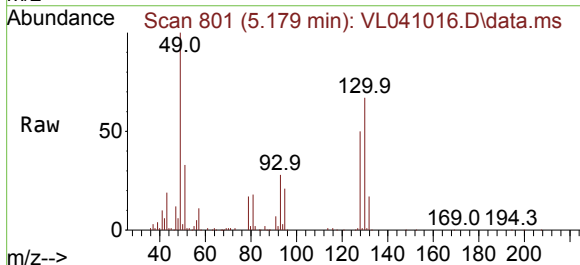


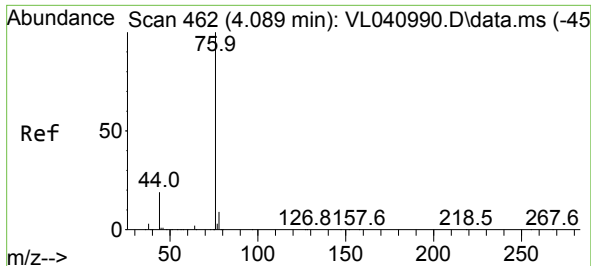
Tgt Ion: 43	Resp: 87939
Ion Ratio	Lower Upper
43 100	
45 12.0	8.2 12.4
61 11.4	7.9 11.9
70 7.2	5.4 8.2



#26
Hexane
Concen: 0.289 ppbv
RT: 5.179 min Scan# 801
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 57	Resp: 30069
Ion Ratio	Lower Upper
57 100	
41 144.4	74.4 111.6#
43 0.0	190.6 285.8#
56 0.0	43.0 64.4#





#27

Carbon Disulfide

Concen: 0.187 ppbv

RT: 4.092 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

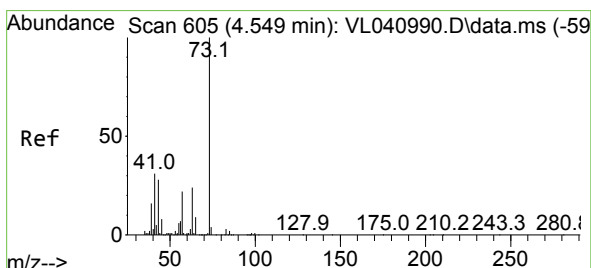
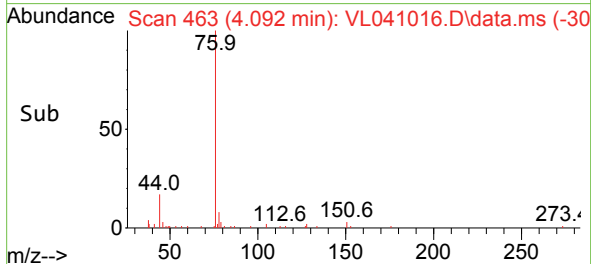
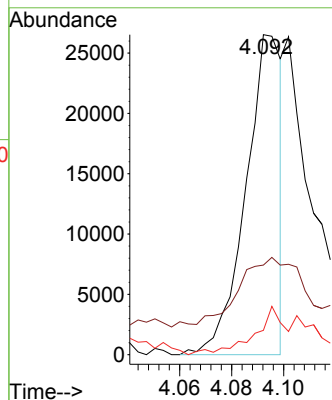
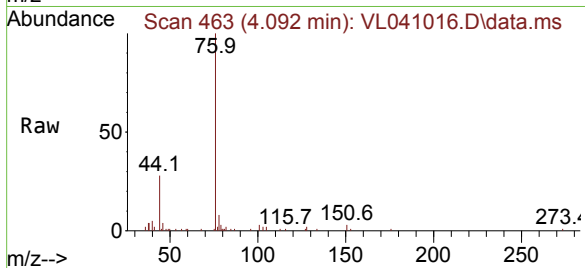
Tgt Ion: 76 Resp: 25319

Ion Ratio Lower Upper

76 100

44 59.3 16.0 24.0#

78 24.4 7.8 11.8#



#28

Methyl tert-Butyl Ether

Concen: 0.205 ppbv

RT: 4.568 min Scan# 611

Delta R.T. 0.016 min

Lab File: VL041016.D

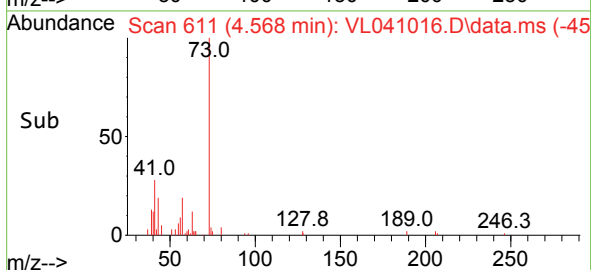
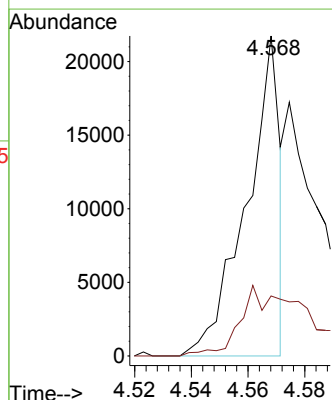
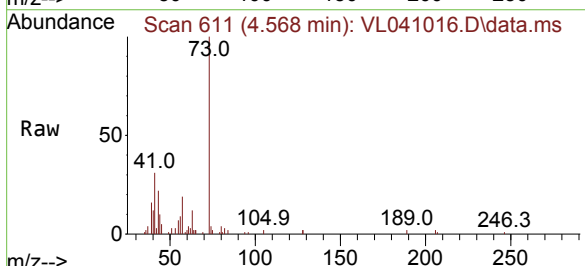
Acq: 24 Jan 2024 15:08

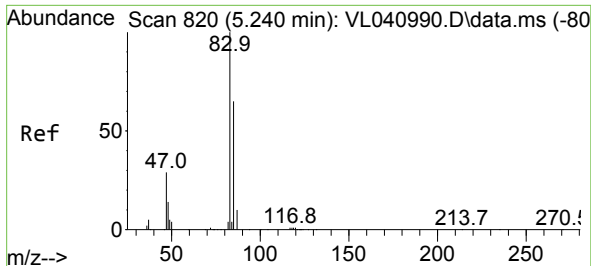
Tgt Ion: 73 Resp: 17697

Ion Ratio Lower Upper

73 100

57 48.4 18.0 27.0#





#29

Chloroform

Concen: 0.425 ppbv

RT: 5.243 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

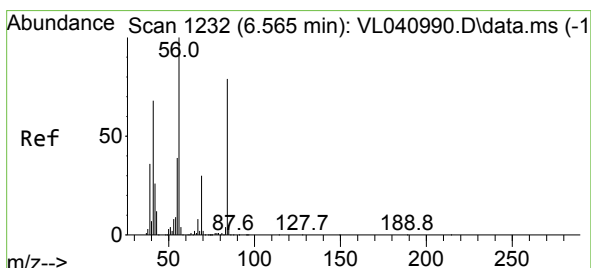
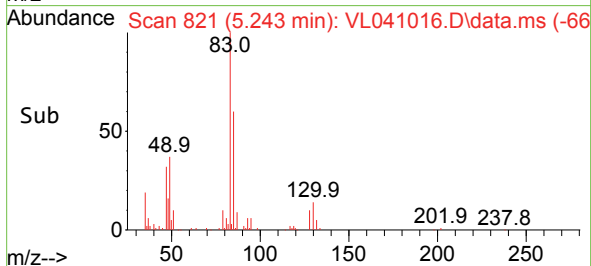
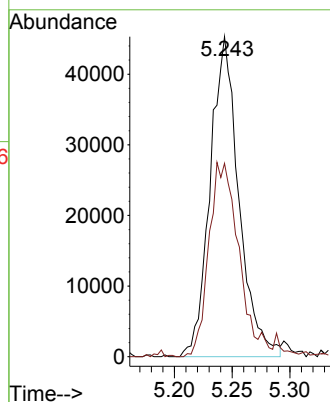
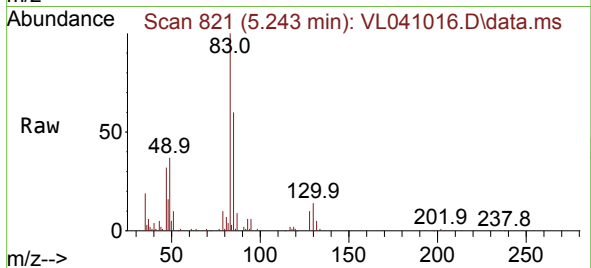
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 83 Resp: 78339

Ion Ratio Lower Upper

83 100

85 60.4 51.6 77.4



#30

Cyclohexane

Concen: 0.292 ppbv

RT: 6.571 min Scan# 1234

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

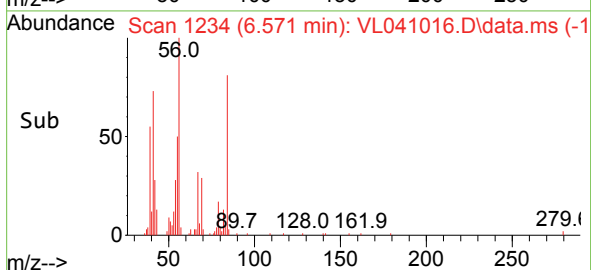
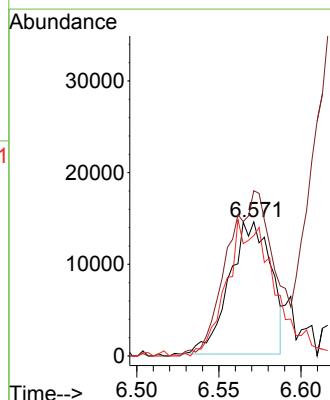
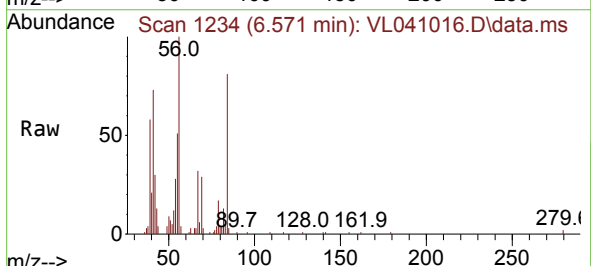
Tgt Ion: 84 Resp: 25441

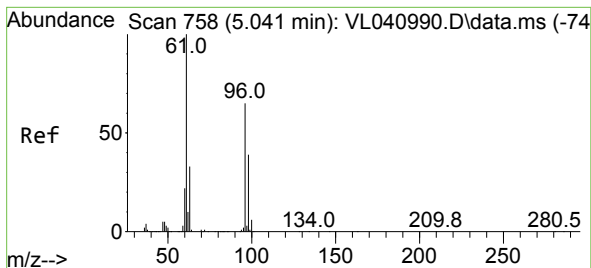
Ion Ratio Lower Upper

84 100

56 136.9 111.7 167.5

41 120.2 71.0 106.6#





#31

cis-1,2-Dichloroethene

Concen: 0.394 ppbv

RT: 5.050 min Scan# 7

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

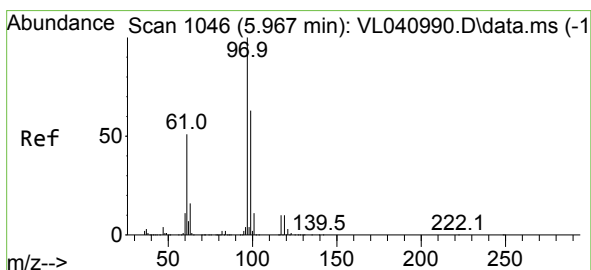
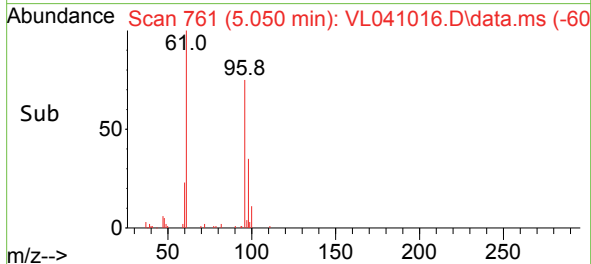
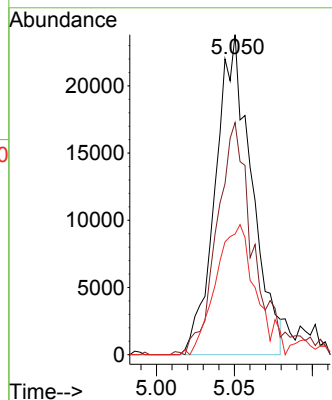
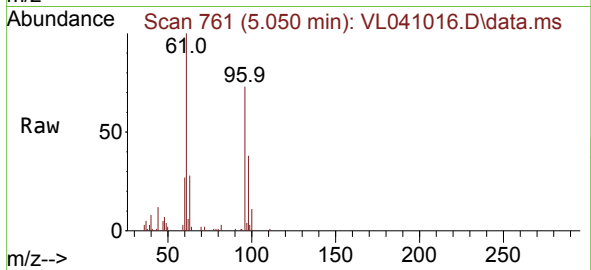
Tgt Ion: 61 Resp: 38411

Ion Ratio Lower Upper

61 100

96 71.8 51.9 77.9

98 37.7 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 0.387 ppbv

RT: 5.973 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

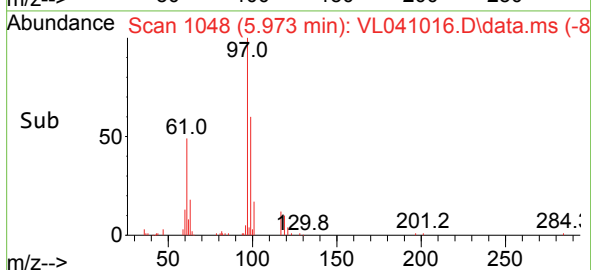
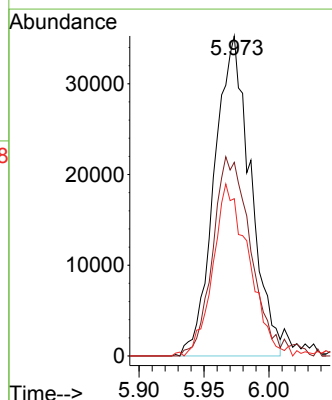
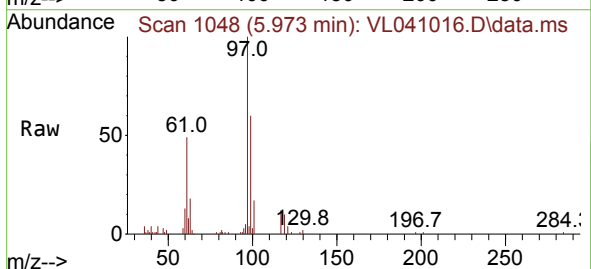
Tgt Ion: 97 Resp: 68209

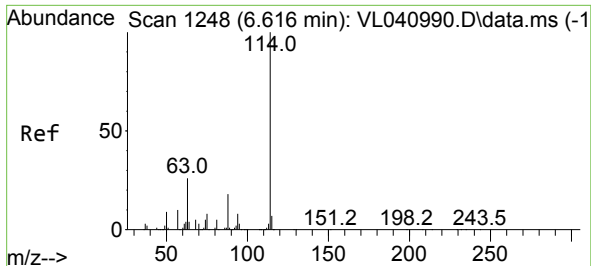
Ion Ratio Lower Upper

97 100

99 66.6 51.5 77.3

61 54.5 40.3 60.5

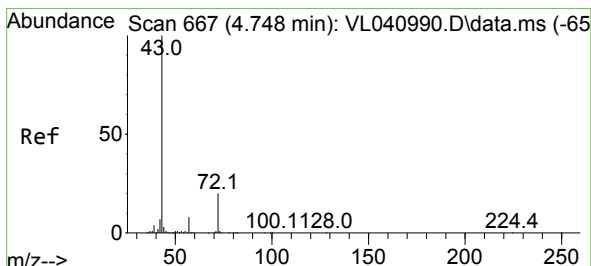
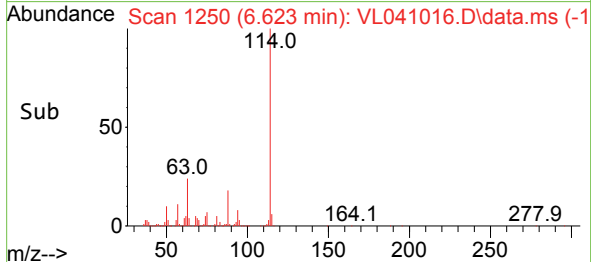
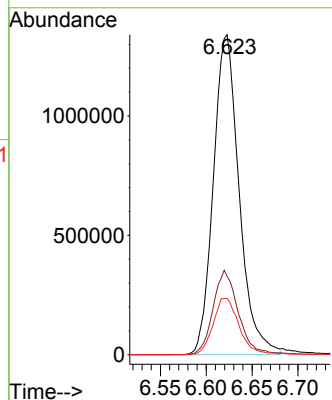
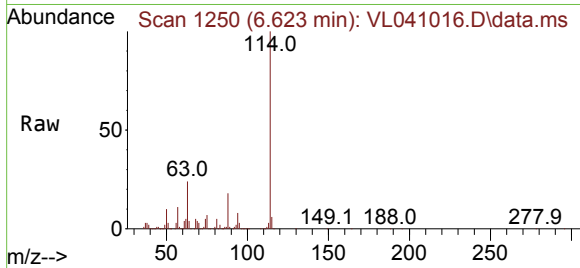




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.623 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

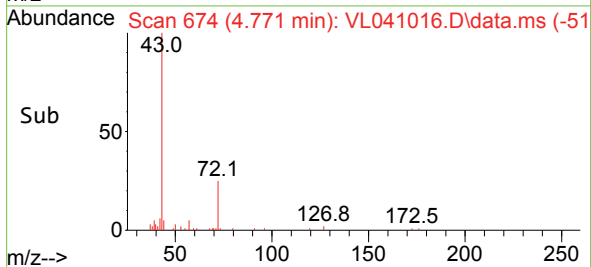
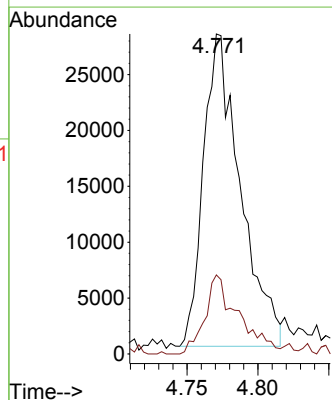
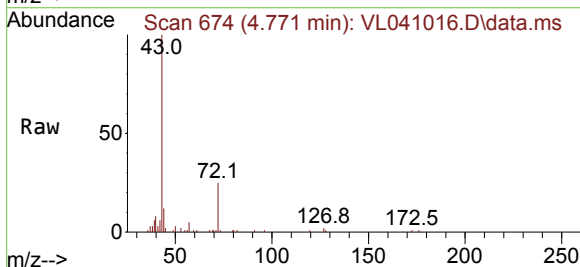
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

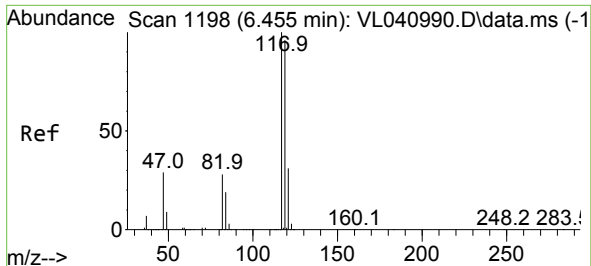
Tgt Ion:114 Resp: 2621081
Ion Ratio Lower Upper
114 100
63 26.2 20.8 31.2
88 18.1 14.3 21.5



#34
2-Butanone
Concen: 0.405 ppbv
RT: 4.771 min Scan# 674
Delta R.T. 0.019 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 43 Resp: 50624
Ion Ratio Lower Upper
43 100
72 23.7 17.5 26.3

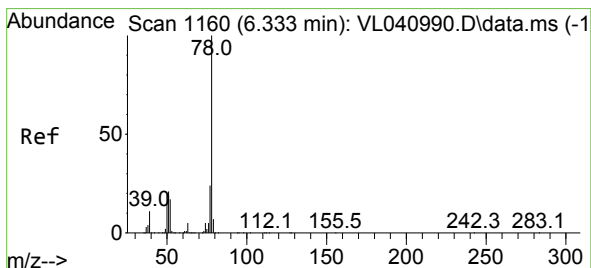
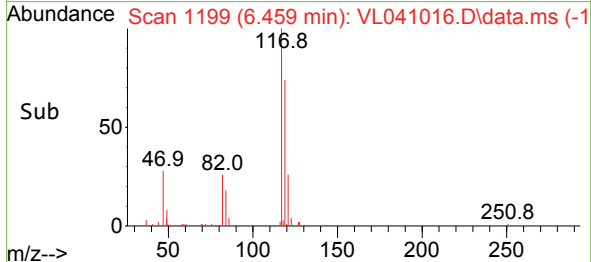
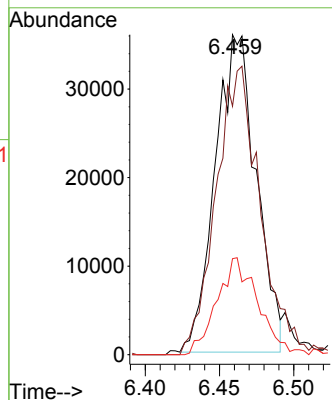
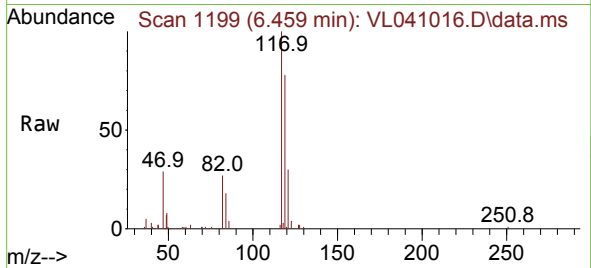




#35
Carbon Tetrachloride
Concen: 0.395 ppbv
RT: 6.459 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

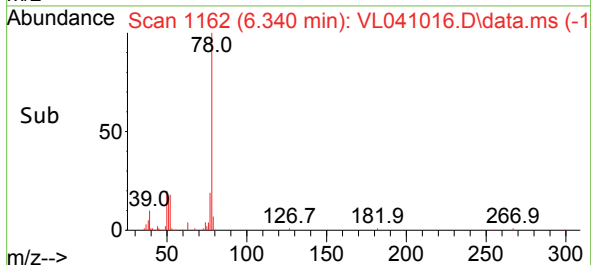
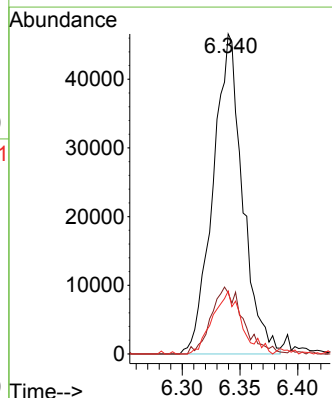
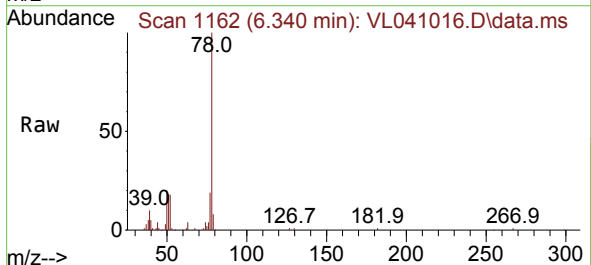
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

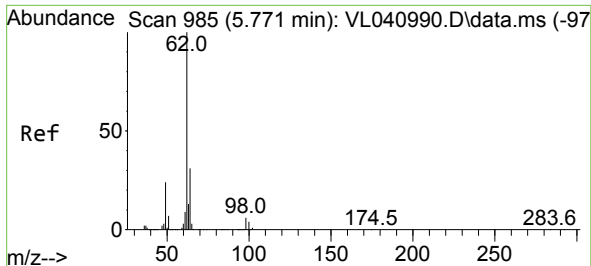
Tgt Ion:117 Resp: 69009
Ion Ratio Lower Upper
117 100
119 78.3 76.9 115.3
121 30.3 24.7 37.1



#36
Benzene
Concen: 0.384 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 78 Resp: 83092
Ion Ratio Lower Upper
78 100
77 19.1 19.0 28.4
50 19.7 15.8 23.6





#37

1,2-Dichloroethane

Concen: 0.411 ppbv

RT: 5.777 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

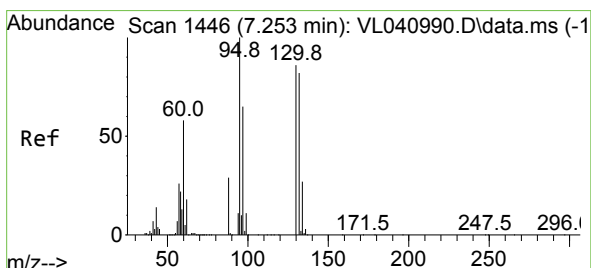
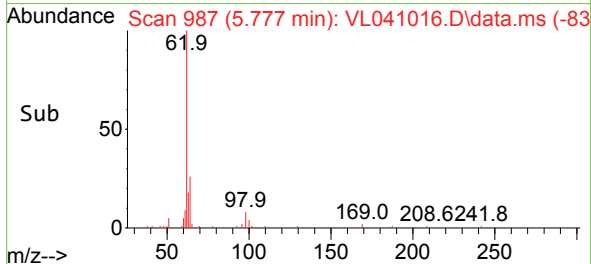
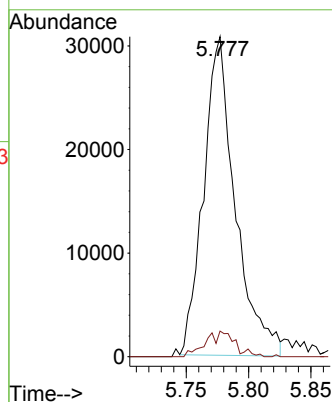
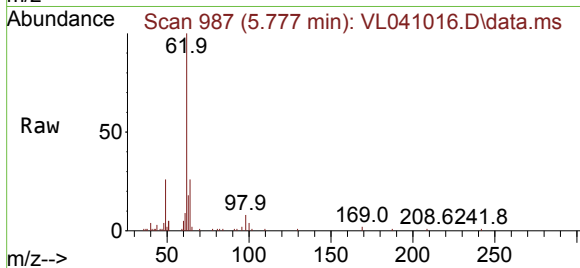
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 62 Resp: 54281

Ion Ratio Lower Upper

62 100

98 7.6 4.7 7.1#



#38

Trichloroethene

Concen: 0.206 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:130 Resp: 17847

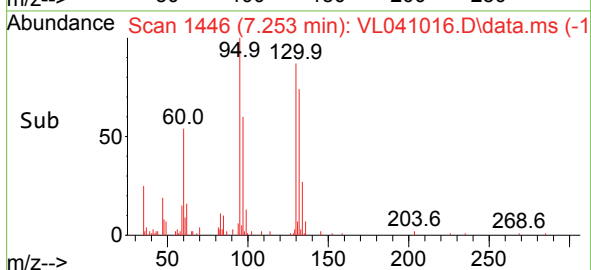
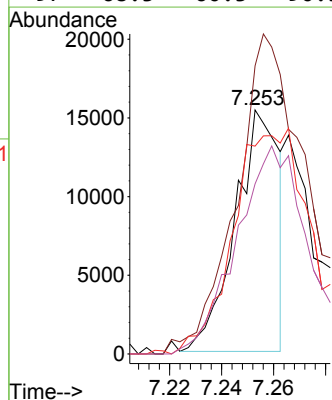
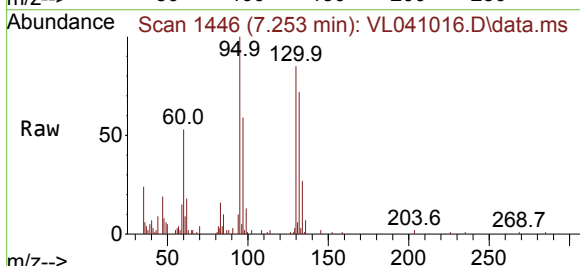
Ion Ratio Lower Upper

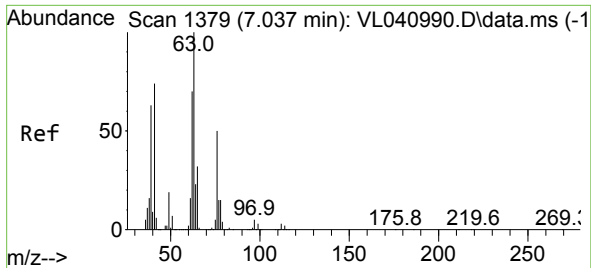
130 100

95 114.3 92.9 139.3

132 83.7 76.2 114.2

97 68.3 60.3 90.5

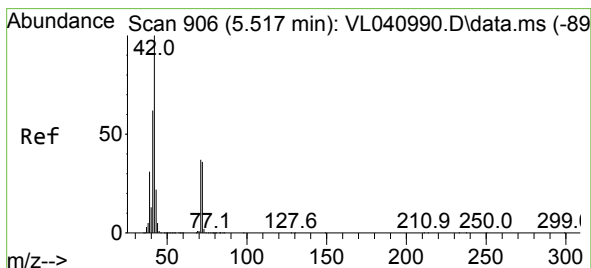
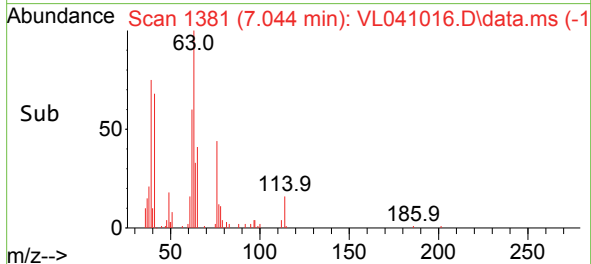
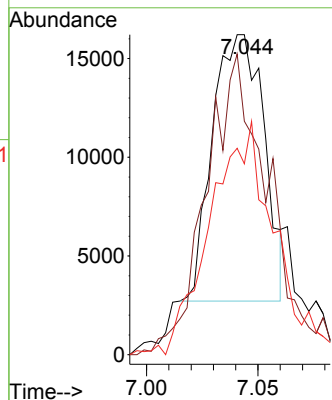
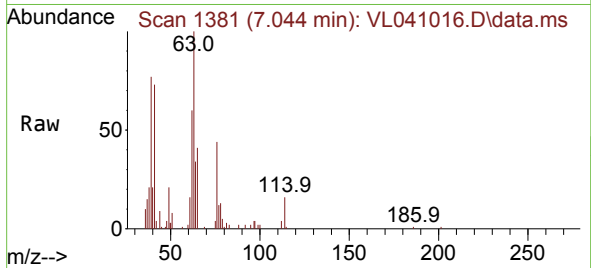




#39
1,2-Dichloropropane
Concen: 0.254 ppbv
RT: 7.044 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

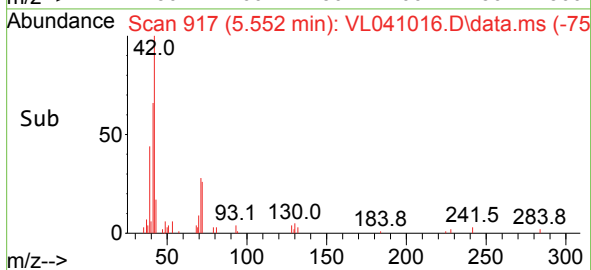
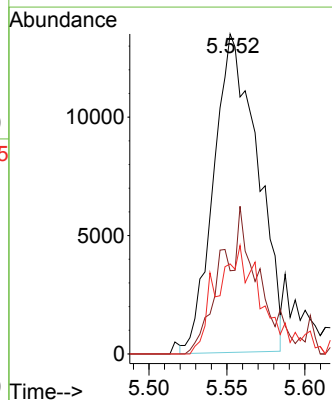
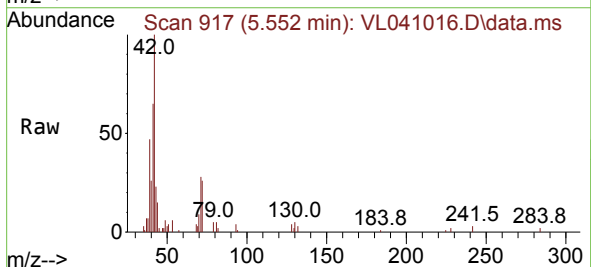
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

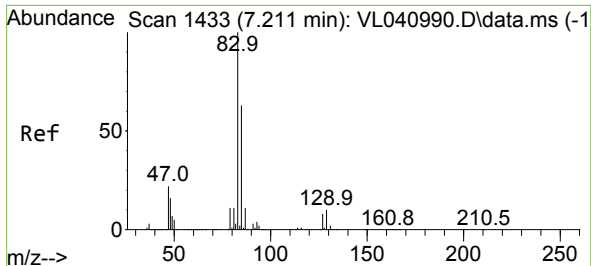
Tgt Ion:	63	Resp:	21643
Ion	Ratio	Lower	Upper
63	100		
41	74.3	59.6	89.4
62	53.5	55.6	83.4#



#41
Tetrahydrofuran
Concen: 0.311 ppbv
RT: 5.552 min Scan# 917
Delta R.T. 0.032 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:	42	Resp:	26366
Ion	Ratio	Lower	Upper
42	100		
72	42.0	30.0	45.0
71	36.9	29.5	44.3

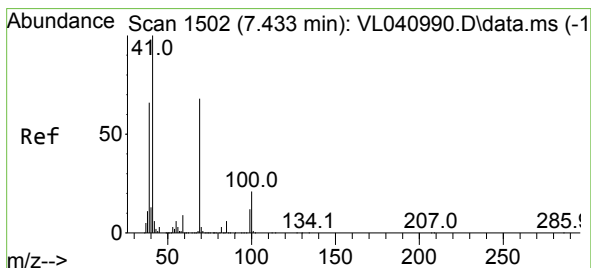
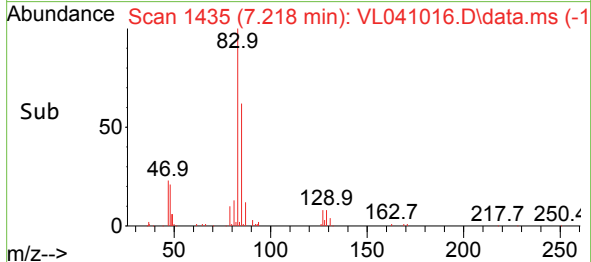
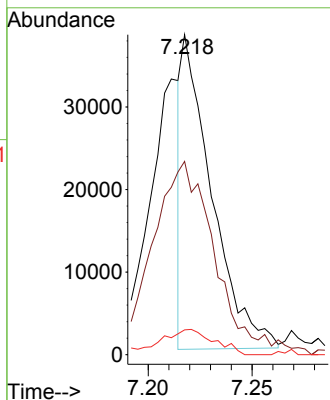
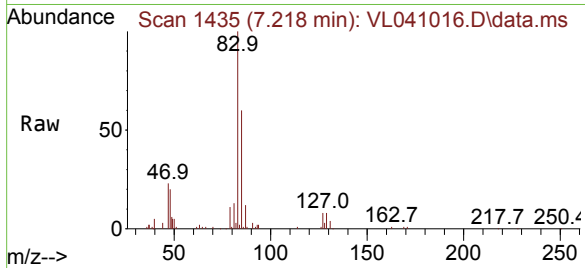




#42
Bromodichloromethane
Concen: 0.201 ppbv
RT: 7.218 min Scan# 1433
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

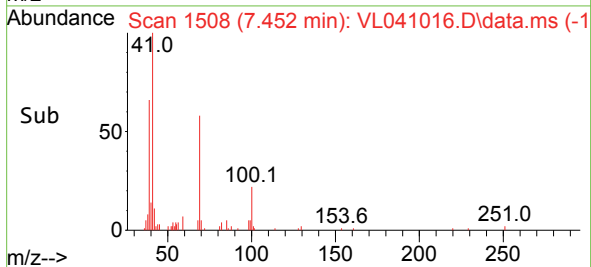
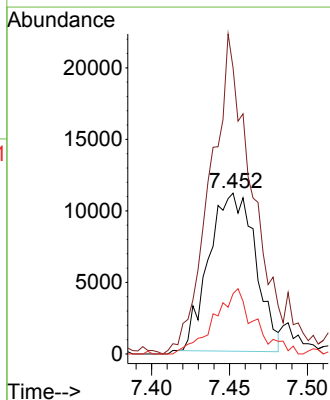
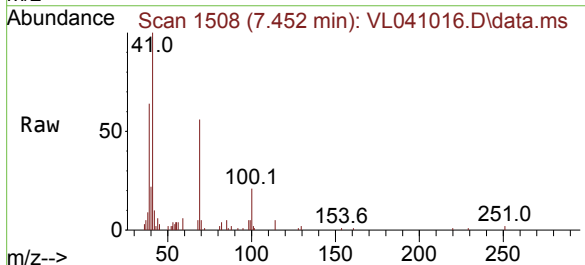
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

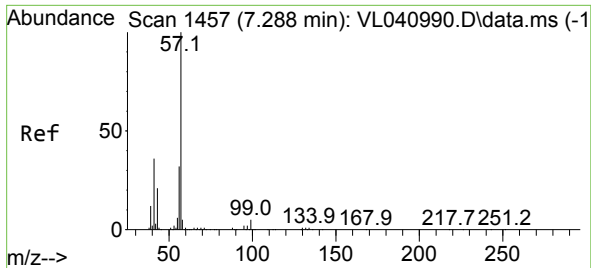
Tgt Ion: 83 Resp: 37985
Ion Ratio Lower Upper
83 100
85 57.6 50.5 75.7
127 7.0 6.4 9.6



#43
Methyl Methacrylate
Concen: 0.276 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 69 Resp: 23028
Ion Ratio Lower Upper
69 100
41 191.1 120.2 180.2#
100 36.0 24.6 36.8

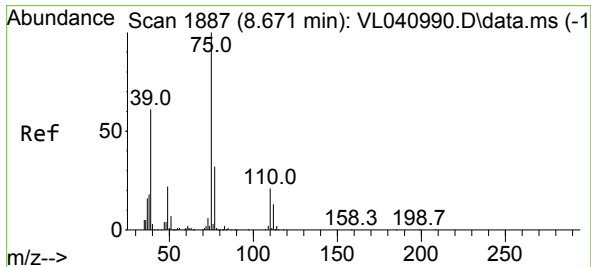
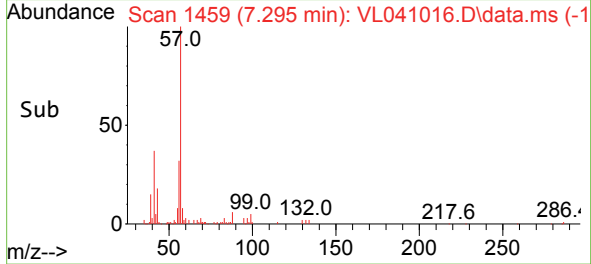
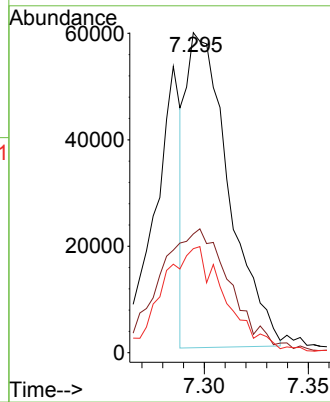
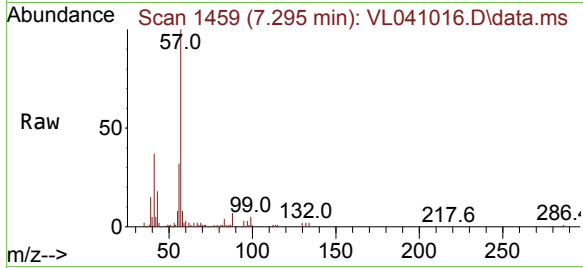




#44
2,2,4-Trimethylpentane
Concen: 0.232 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

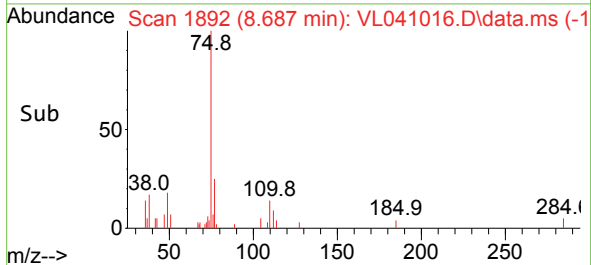
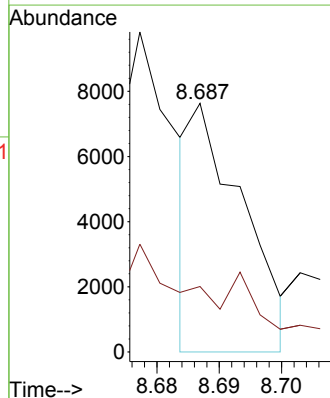
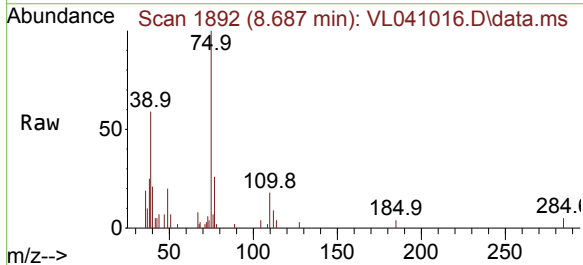
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

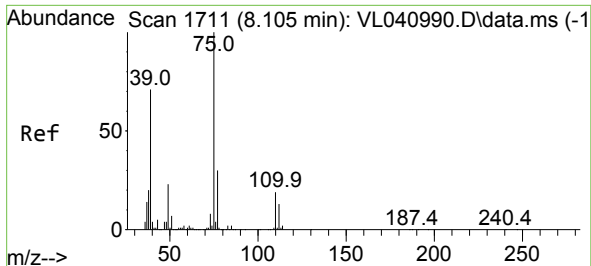
Tgt Ion	Resp	Lower	Upper
57	100		
41	68.7	28.6	43.0#
56	53.1	25.2	37.8#



#45
t-1,3-Dichloropropene
Concen: 0.077 ppbv
RT: 8.687 min Scan# 1892
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion	Resp	Lower	Upper
75	100		
77	26.3	25.3	37.9

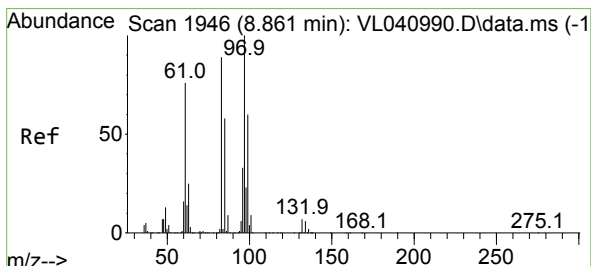
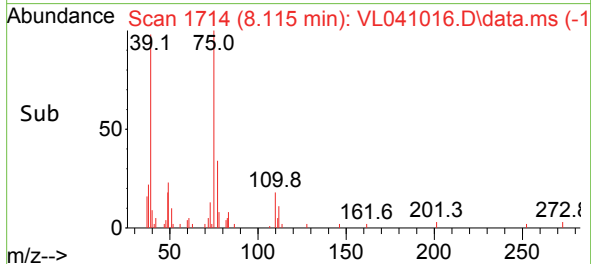
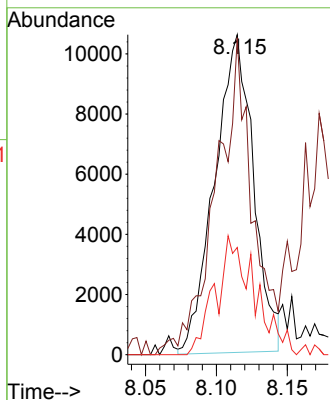
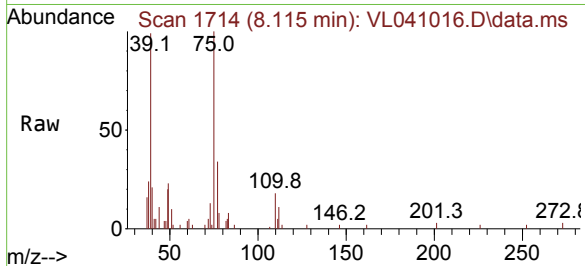




#46
 cis-1,3-Dichloropropene
 Concen: 0.284 ppbv
 RT: 8.115 min Scan# 1714
 Delta R.T. 0.010 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

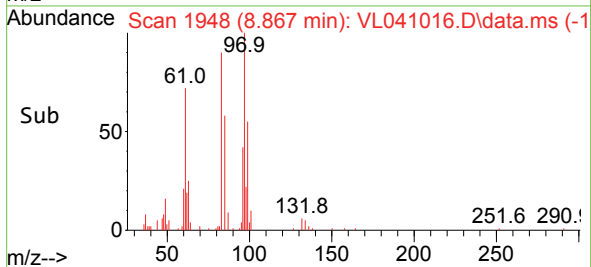
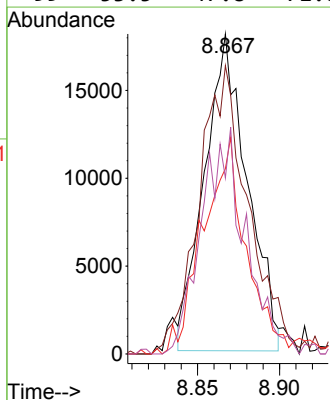
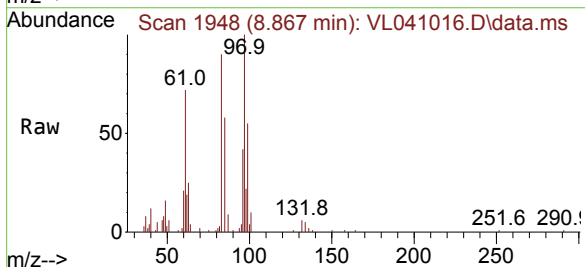
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

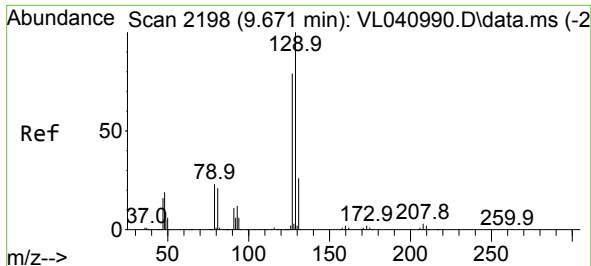
Tgt Ion: 75 Resp: 20190
 Ion Ratio Lower Upper
 75 100
 39 98.0 57.3 85.9#
 77 34.1 24.3 36.5



#47
 1,1,2-Trichloroethane
 Concen: 0.356 ppbv
 RT: 8.867 min Scan# 1948
 Delta R.T. 0.006 min
 Lab File: VL041016.D
 Acq: 24 Jan 2024 15:08

Tgt Ion: 97 Resp: 32745
 Ion Ratio Lower Upper
 97 100
 83 83.9 71.5 107.3
 85 58.8 46.1 69.1
 99 53.5 47.8 71.8

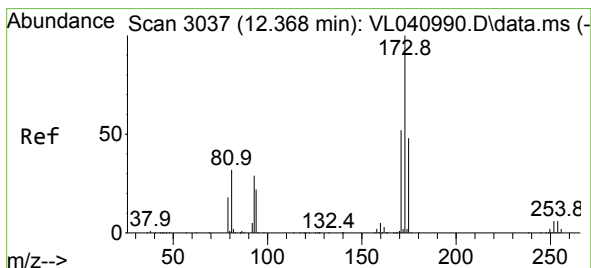
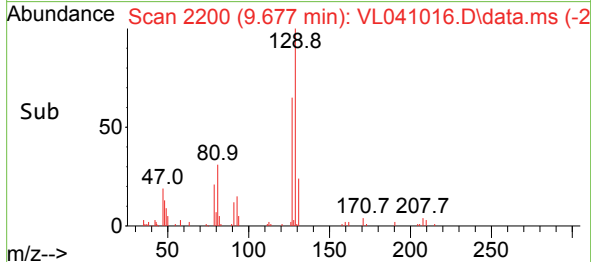
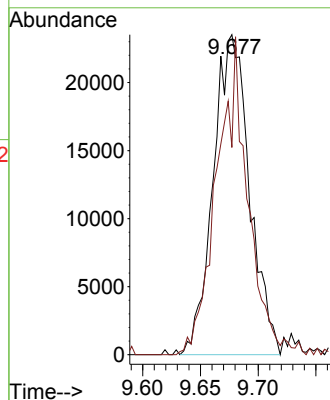
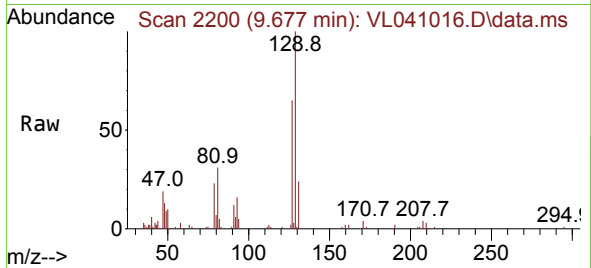




#48
Dibromochloromethane
Concen: 0.331 ppbv
RT: 9.677 min Scan# 2198
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

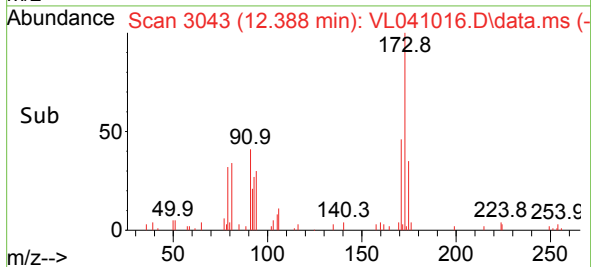
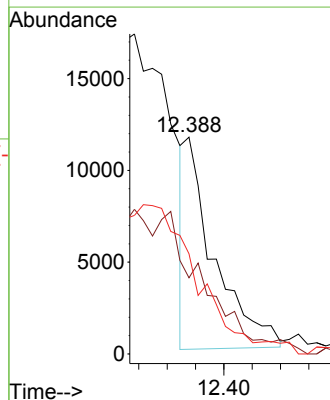
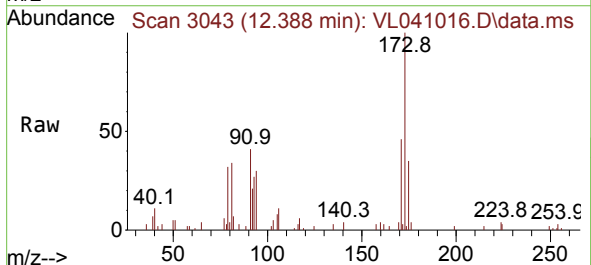
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

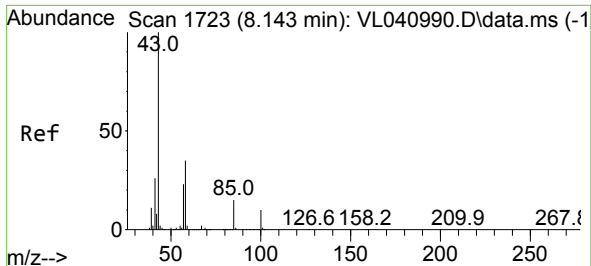
Tgt Ion:129 Resp: 51418
Ion Ratio Lower Upper
129 100
127 84.9 39.6 119.0



#49
Bromoform
Concen: 0.067 ppbv
RT: 12.388 min Scan# 3043
Delta R.T. 0.016 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:173 Resp: 8207
Ion Ratio Lower Upper
173 100
175 0.0 39.0 58.4#
171 0.0 42.0 63.0#

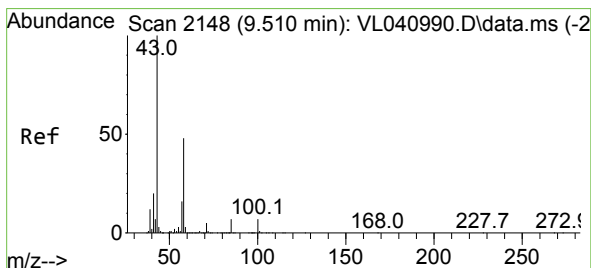
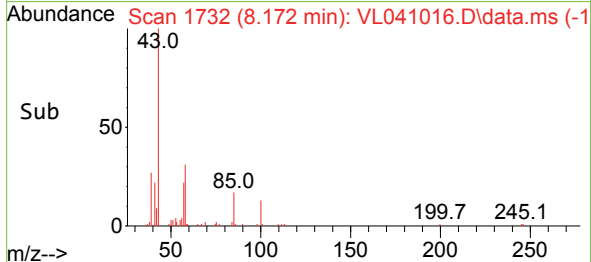
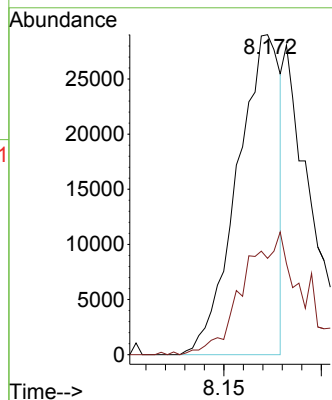
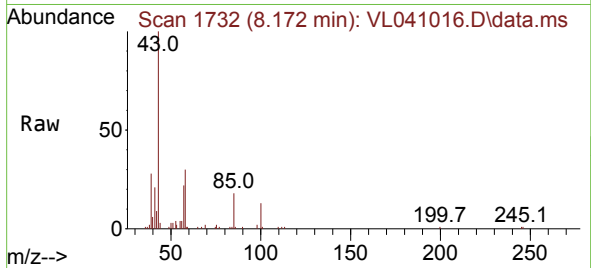




#50
4-Methyl-2-Pentanone
Concen: 0.200 ppbv
RT: 8.172 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

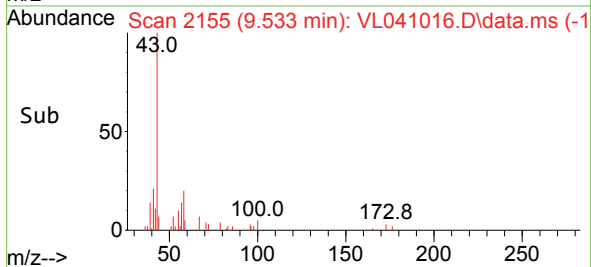
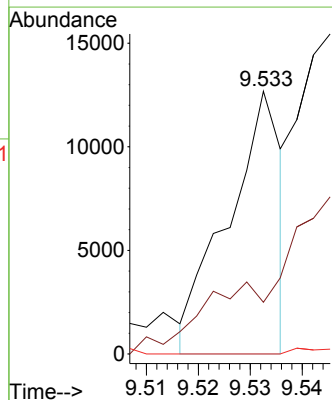
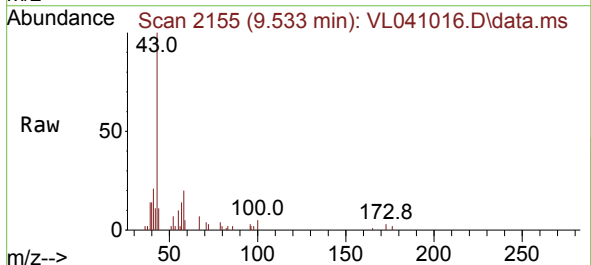
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

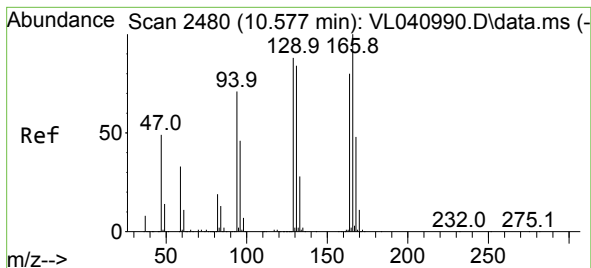
Tgt Ion: 43 Resp: 44088
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#51
2-Hexanone
Concen: 0.057 ppbv
RT: 9.533 min Scan# 2155
Delta R.T. 0.019 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 43 Resp: 9107
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2#
98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.066 ppbv

RT: 10.584 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VL041016.D

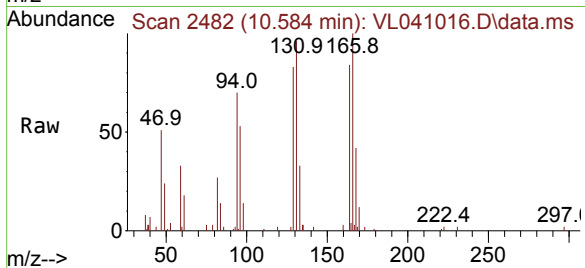
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:164 Resp: 4712

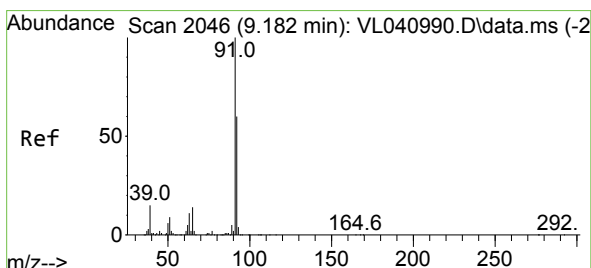
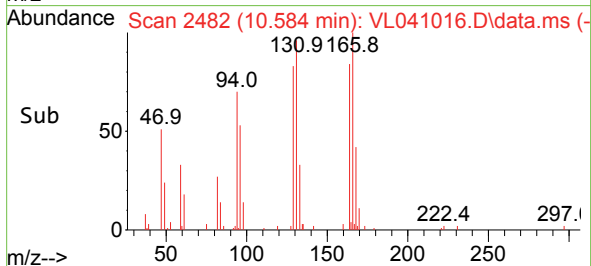
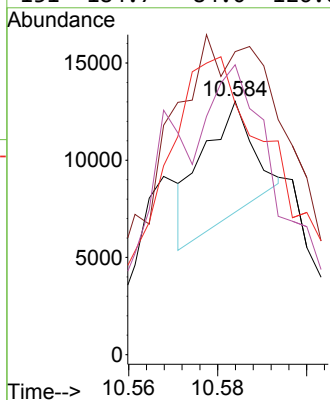
Ion Ratio Lower Upper

164 100

166 83.0 100.2 150.2#

129 45.8 87.9 131.9#

131 184.7 84.0 126.0#



#53

Toluene

Concen: 0.310 ppbv

RT: 9.188 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VL041016.D

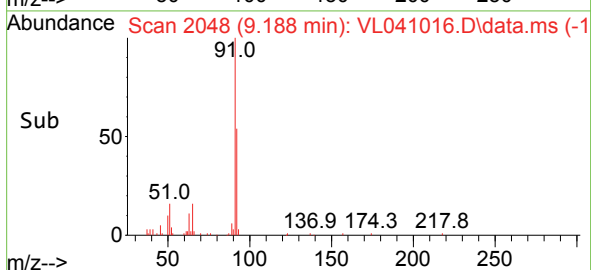
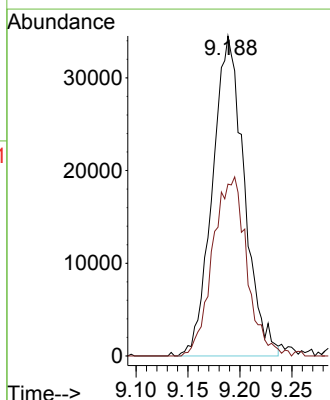
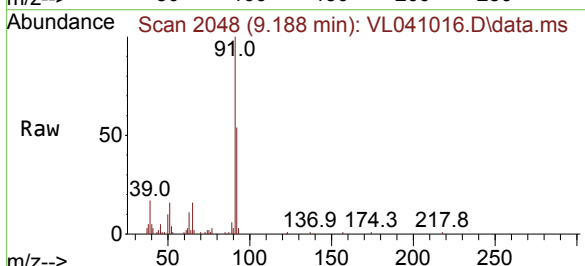
Acq: 24 Jan 2024 15:08

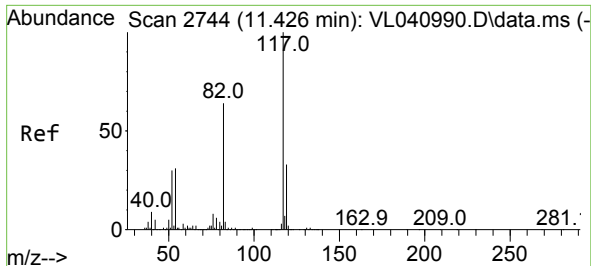
Tgt Ion: 91 Resp: 73493

Ion Ratio Lower Upper

91 100

92 59.8 48.6 72.8

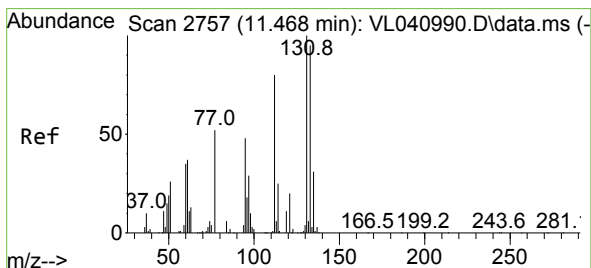
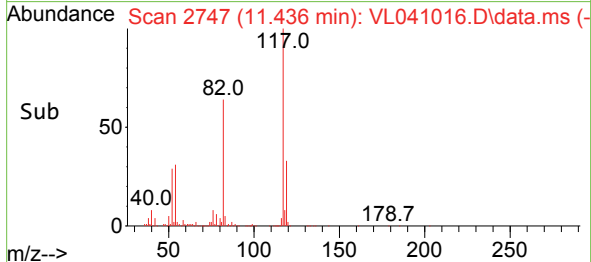
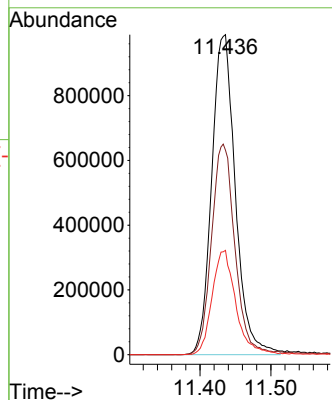
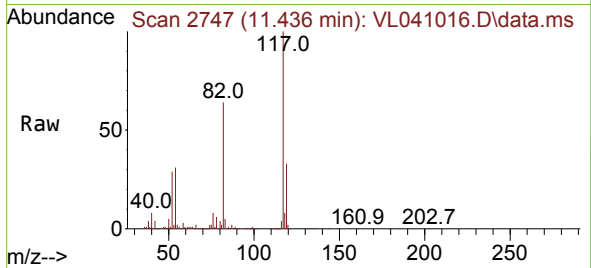




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

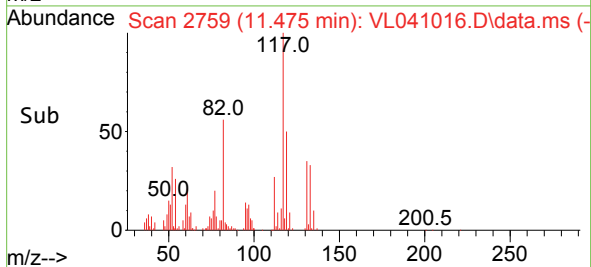
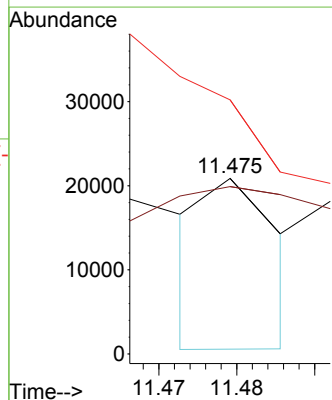
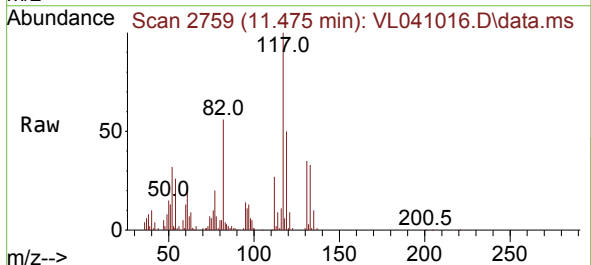
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

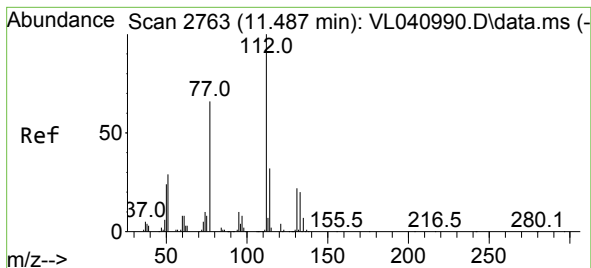
Tgt Ion:117 Resp: 2292135
Ion Ratio Lower Upper
117 100
82 66.2 51.7 77.5
119 33.1 23.8 35.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.060 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:131 Resp: 6564
Ion Ratio Lower Upper
131 100
133 661.3 75.9 113.9#
119 0.0 49.2 73.8#





#57

Chlorobenzene

Concen: 0.208 ppbv

RT: 11.494 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

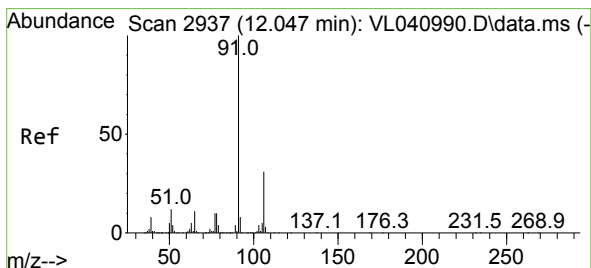
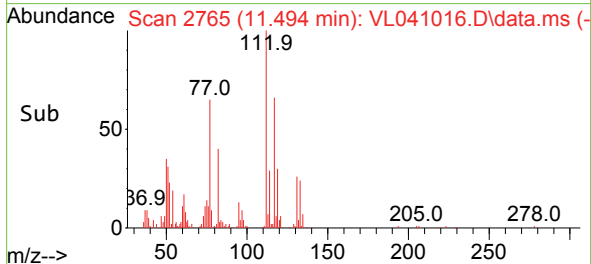
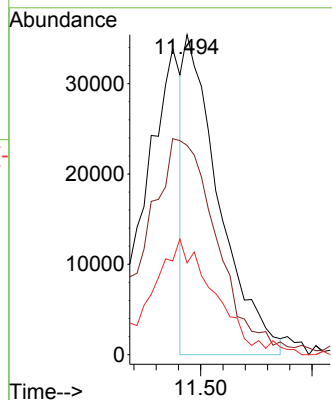
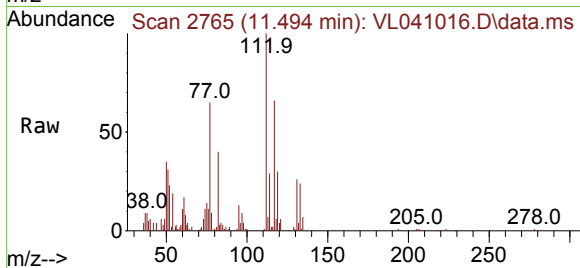
Tgt Ion:112 Resp: 38417

Ion Ratio Lower Upper

112 100

77 64.6 53.4 80.0

114 27.6 29.1 35.5#



#58

Ethyl Benzene

Concen: 0.339 ppbv

RT: 12.057 min Scan# 2940

Delta R.T. 0.006 min

Lab File: VL041016.D

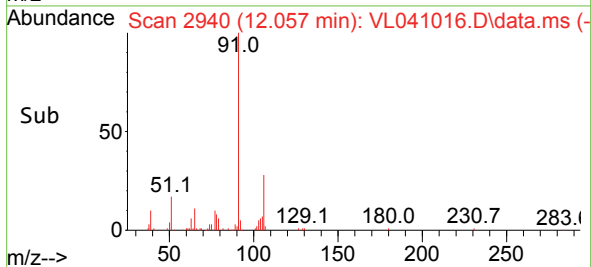
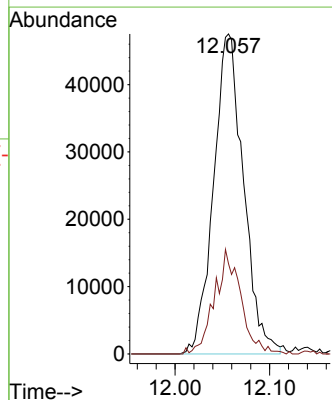
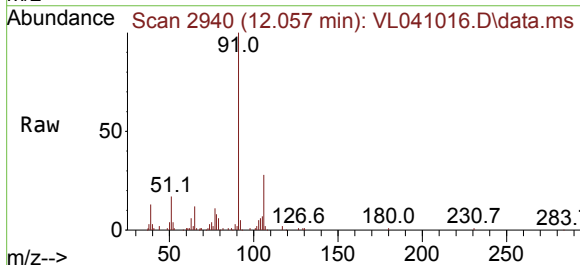
Acq: 24 Jan 2024 15:08

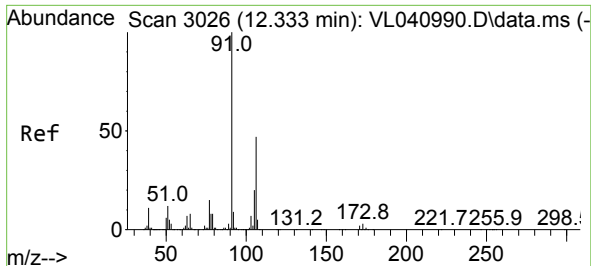
Tgt Ion: 91 Resp: 104378

Ion Ratio Lower Upper

91 100

106 30.4 24.8 37.2





#59

m/p-Xylene

Concen: 0.501 ppbv

RT: 12.336 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

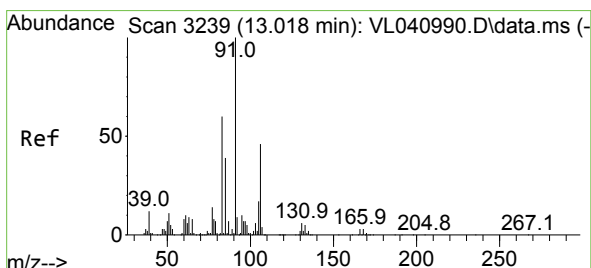
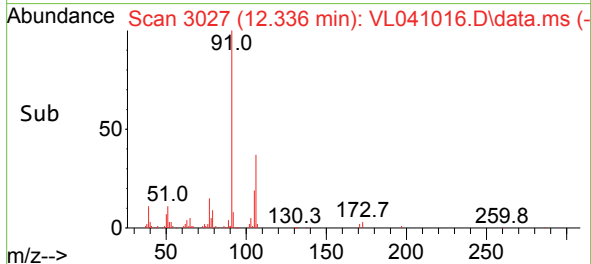
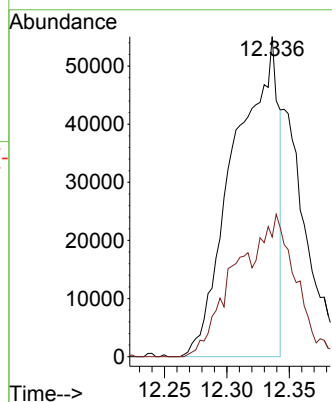
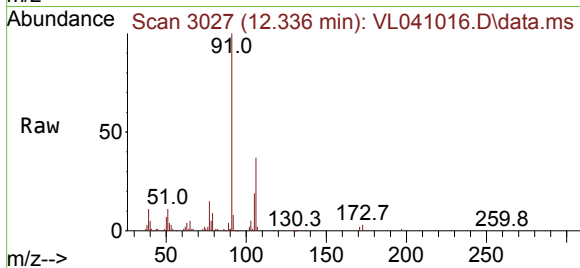
LOD-MDL-AIR-01-QT1-2024

Tgt Ion: 91 Resp: 134461

Ion Ratio Lower Upper

91 100

106 59.7 34.9 52.3#



#60

o-Xylene

Concen: 0.358 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. 0.000 min

Lab File: VL041016.D

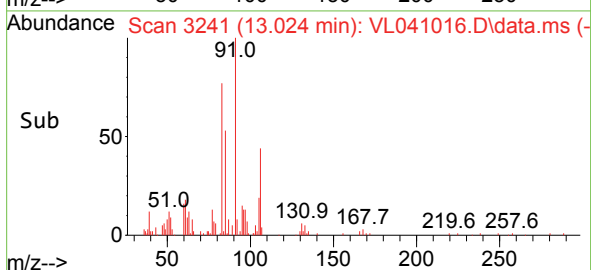
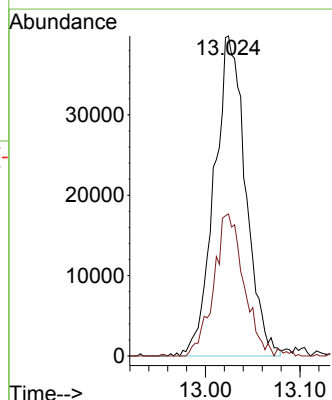
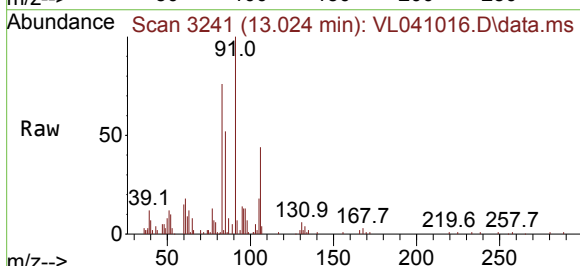
Acq: 24 Jan 2024 15:08

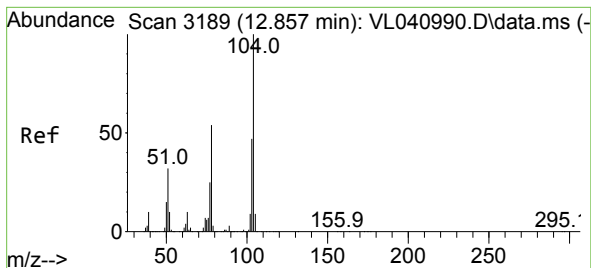
Tgt Ion: 91 Resp: 92057

Ion Ratio Lower Upper

91 100

106 42.4 22.6 67.7





#61

Styrene

Concen: 0.064 ppbv

RT: 12.864 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041016.D

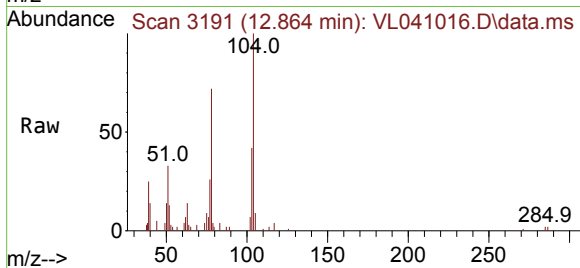
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



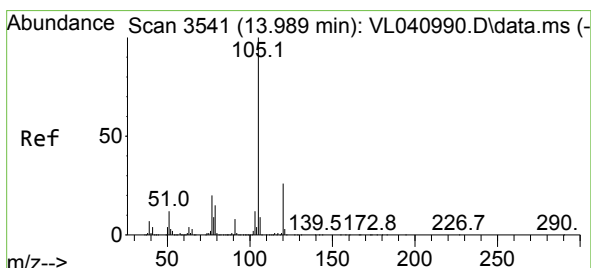
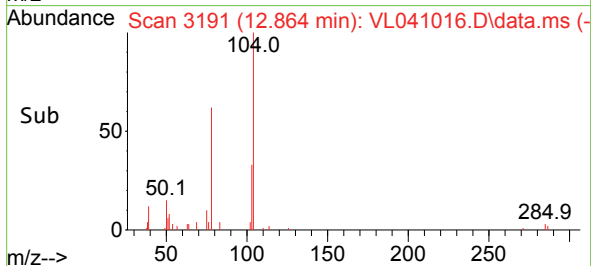
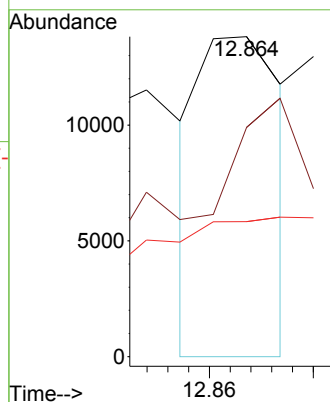
Tgt Ion:104 Resp: 7586

Ion Ratio Lower Upper

104 100

78 256.7 42.7 64.1#

103 202.9 37.6 56.4#



#62

Isopropylbenzene

Concen: 0.382 ppbv

RT: 13.999 min Scan# 3544

Delta R.T. 0.006 min

Lab File: VL041016.D

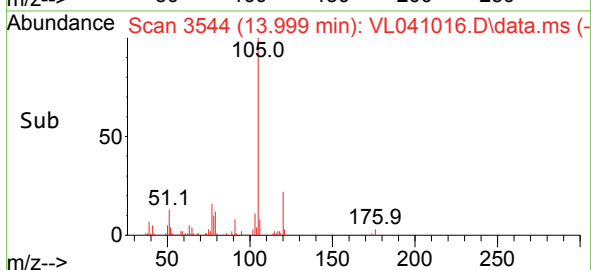
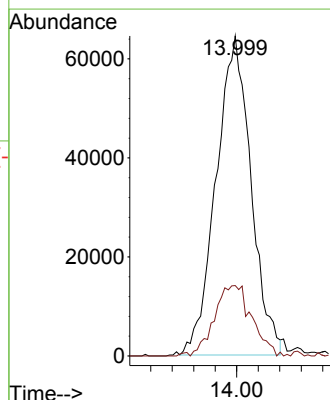
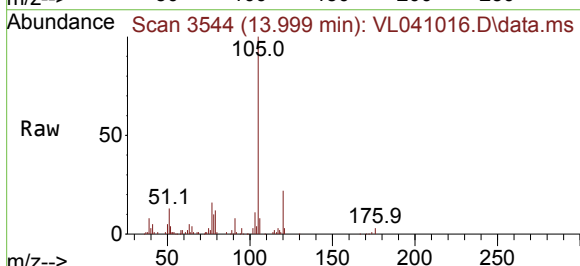
Acq: 24 Jan 2024 15:08

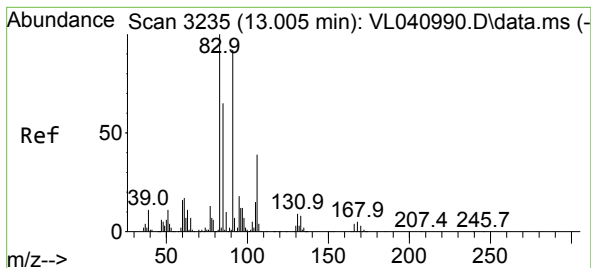
Tgt Ion:105 Resp: 145438

Ion Ratio Lower Upper

105 100

120 24.3 20.9 31.3

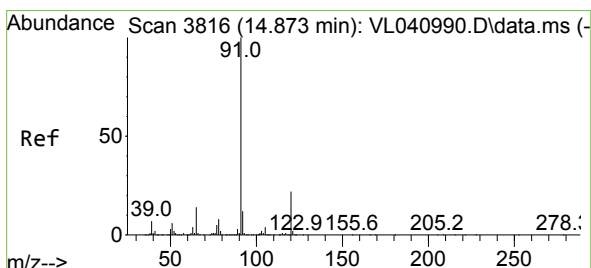
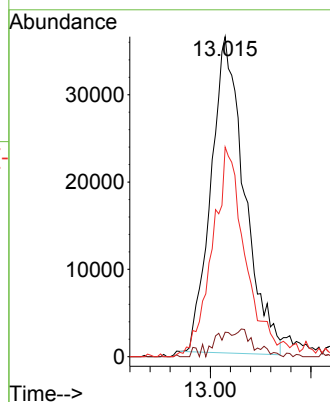
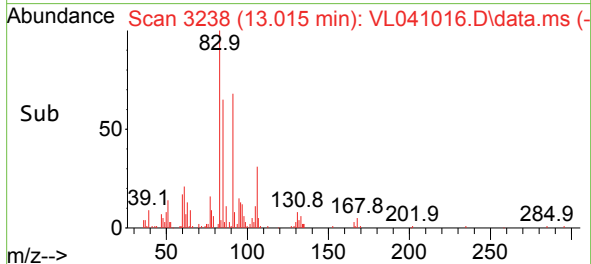
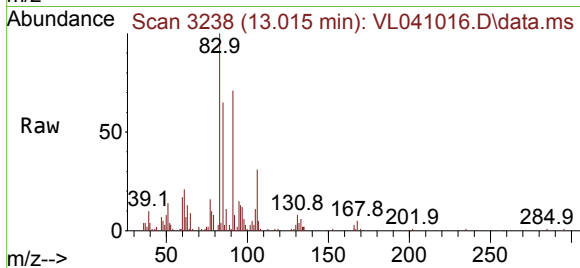




#63
1,1,2,2-Tetrachloroethane
Concen: 0.419 ppbv
RT: 13.015 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

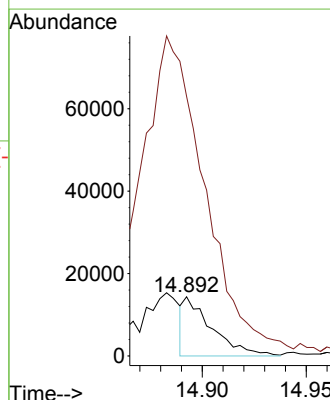
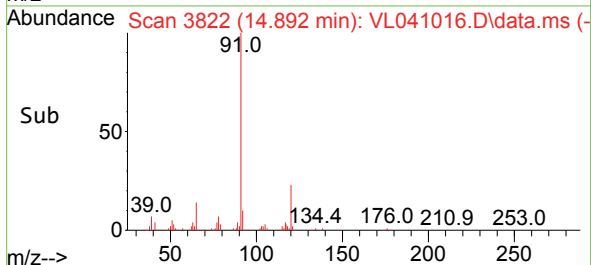
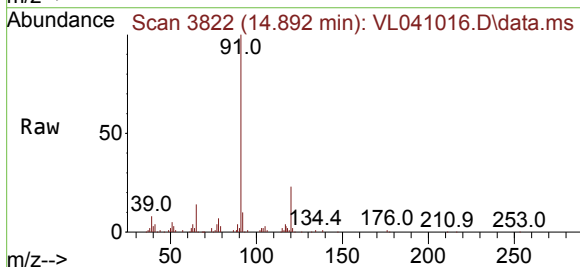
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

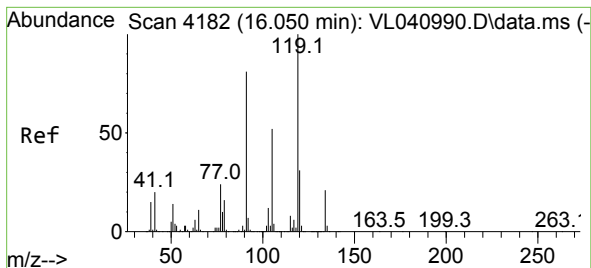
Tgt Ion: 83 Resp: 83838
Ion Ratio Lower Upper
83 100
131 10.0 4.6 13.8
85 66.3 33.0 99.0



#64
n-propylbenzene
Concen: 0.140 ppbv
RT: 14.892 min Scan# 3822
Delta R.T. 0.013 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 120 Resp: 13497
Ion Ratio Lower Upper
120 100
91 0.0 390.6 585.8#

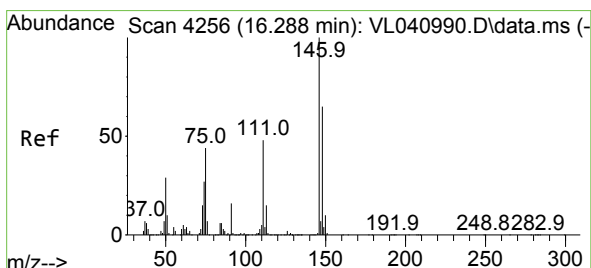
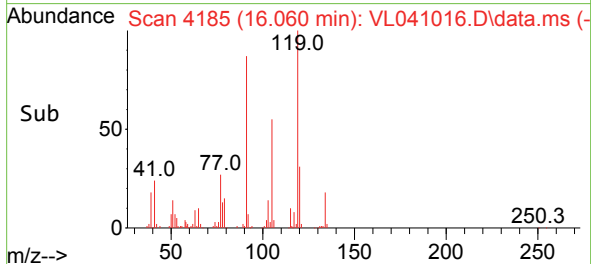
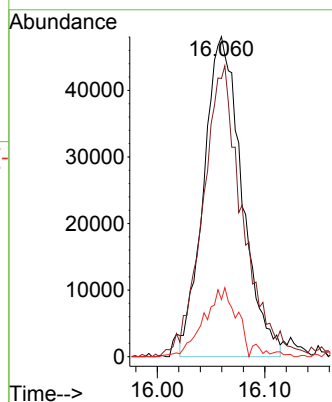
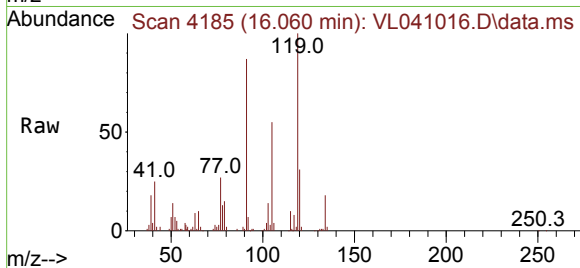




#65
tert-Butylbenzene
Concen: 0.356 ppbv
RT: 16.060 min Scan# 4182
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

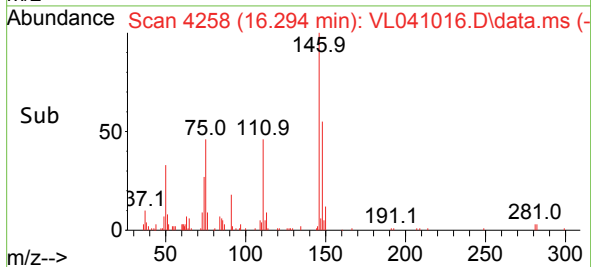
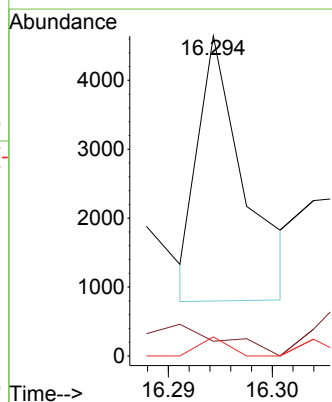
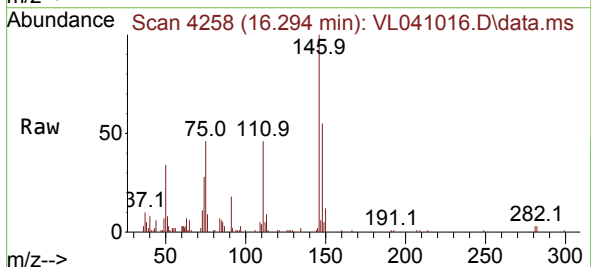
Instrument :
MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

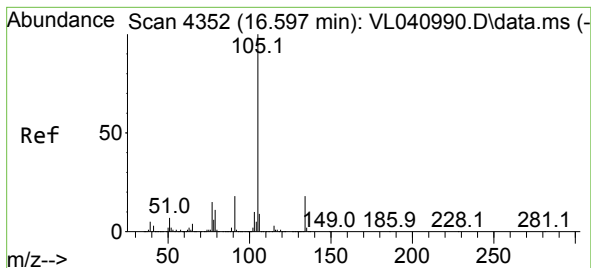
Tgt Ion:119 Resp: 118414
Ion Ratio Lower Upper
119 100
91 94.6 67.6 101.4
134 19.8 16.1 24.1



#66
Benzyl Chloride
Concen: 0.055 ppbv
RT: 16.294 min Scan# 4258
Delta R.T. 0.003 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 91 Resp: 1204
Ion Ratio Lower Upper
91 100
126 56.3 13.6 20.4#
128 29.2 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.351 ppbv

RT: 16.603 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

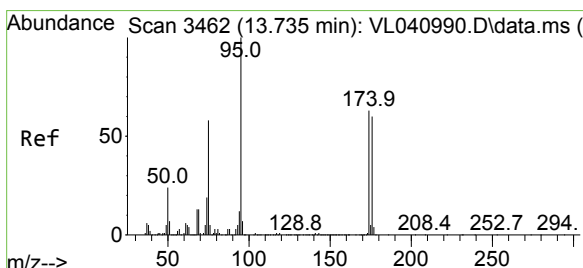
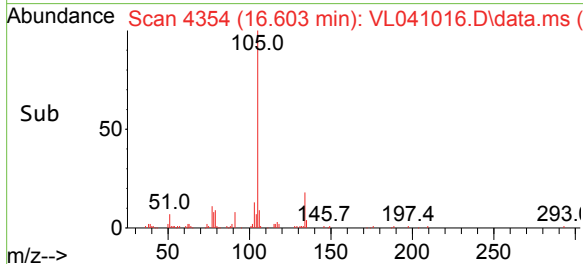
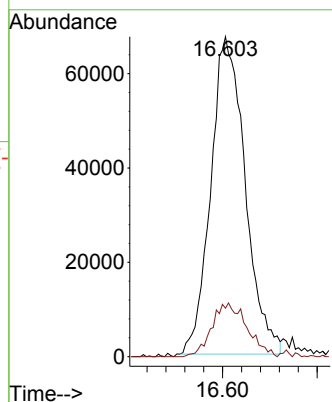
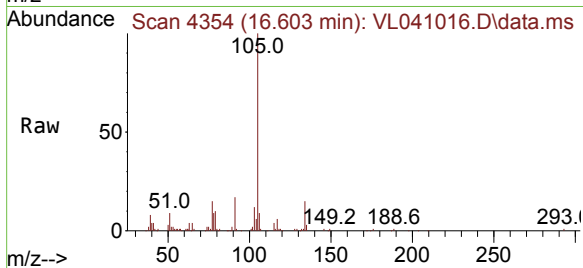
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:105 Resp: 170040

Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.195 ppbv

RT: 13.741 min Scan# 3464

Delta R.T. 0.003 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

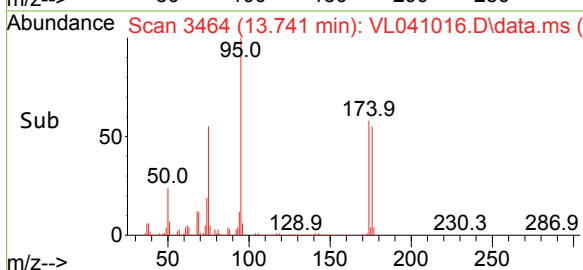
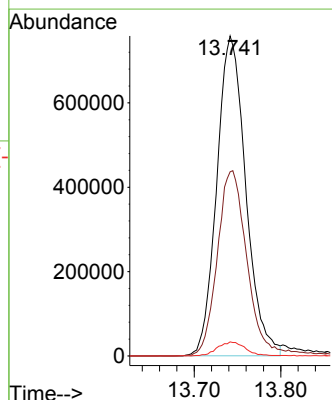
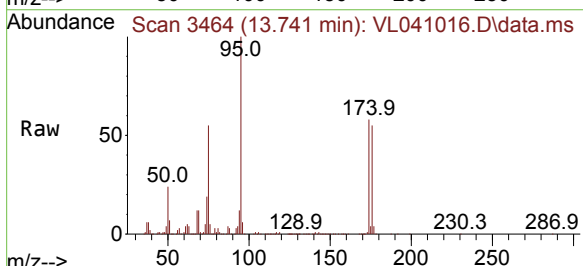
Tgt Ion: 95 Resp: 1764991

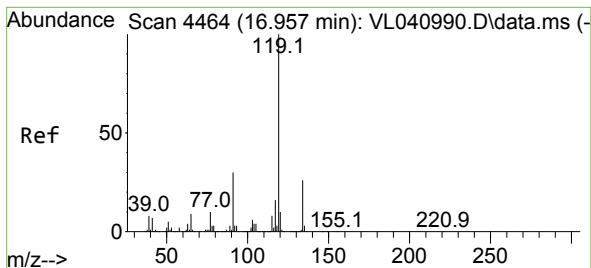
Ion Ratio Lower Upper

95 100

174 60.9 49.1 73.7

175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.331 ppbv

RT: 16.966 min Scan# 4467

Delta R.T. 0.010 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

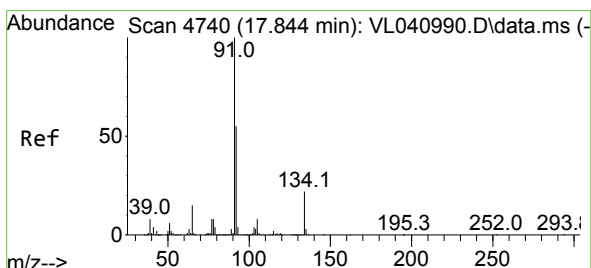
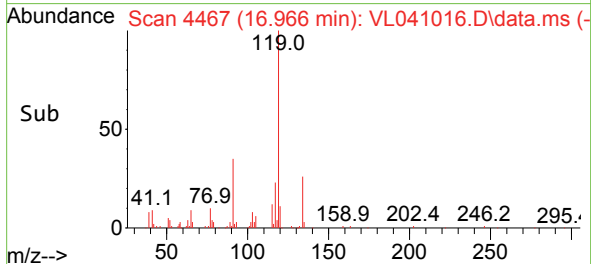
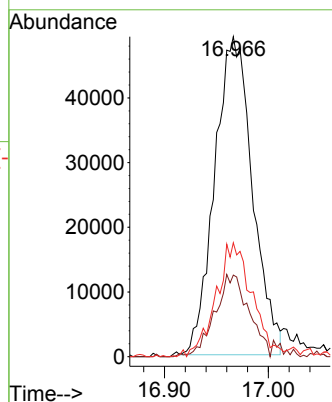
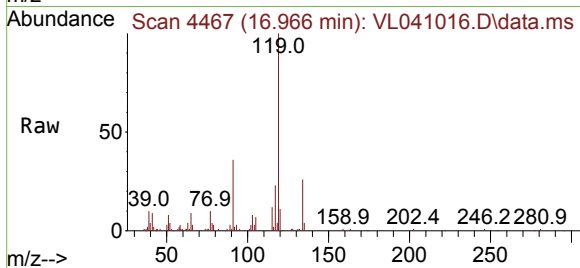
Tgt Ion:119 Resp: 124356

Ion Ratio Lower Upper

119 100

134 25.1 20.6 30.8

91 35.9 24.5 36.7



#70

n-Butylbenzene

Concen: 0.150 ppbv

RT: 17.854 min Scan# 4743

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

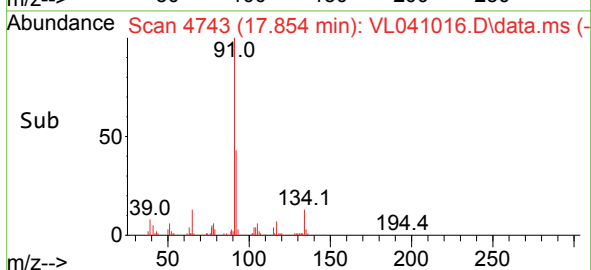
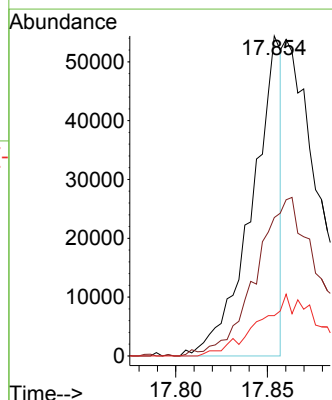
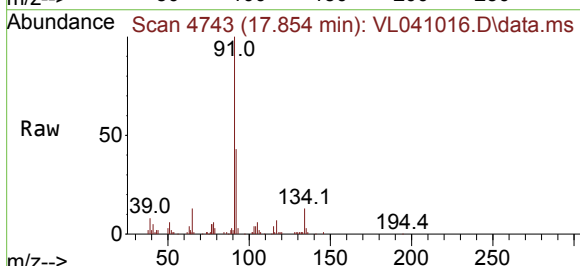
Tgt Ion: 91 Resp: 60977

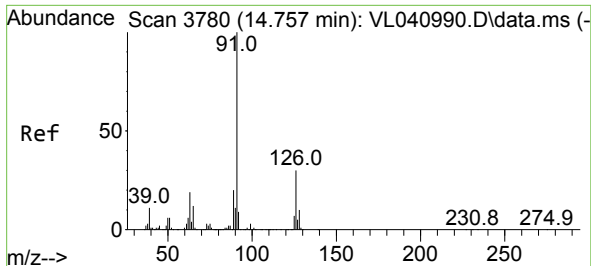
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.0#

134 0.0 17.4 26.0#

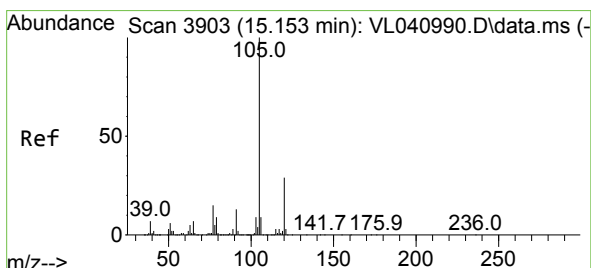
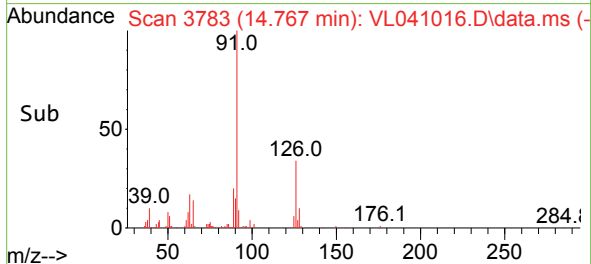
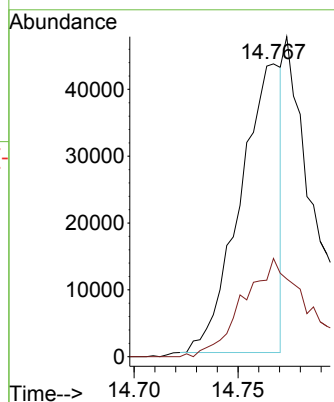
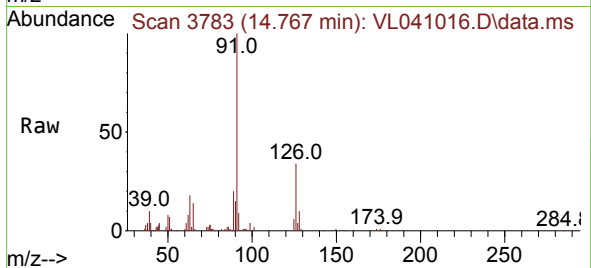




#71
2-Chlorotoluene
Concen: 0.203 ppbv
RT: 14.767 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

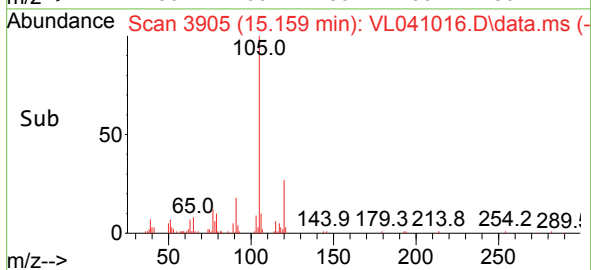
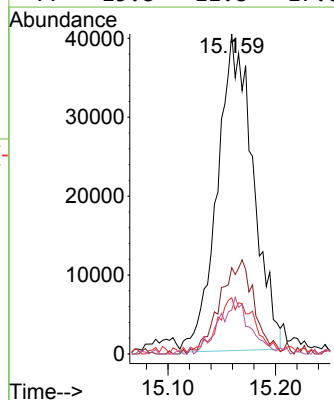
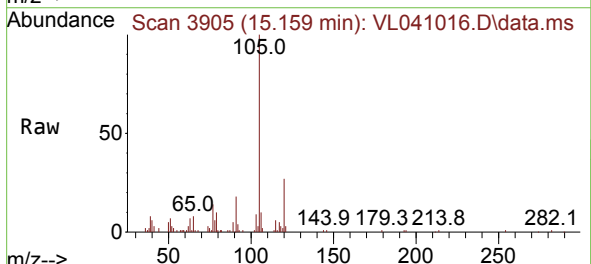
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

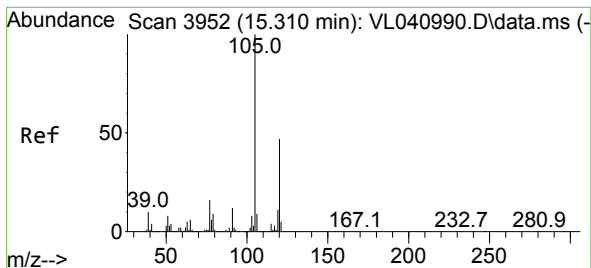
Tgt Ion: 91 Resp: 59533
Ion Ratio Lower Upper
91 100
126 56.0 12.3 49.1#



#72
4-Ethyltoluene
Concen: 0.323 ppbv
RT: 15.159 min Scan# 3905
Delta R.T. 0.006 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion: 105 Resp: 92811
Ion Ratio Lower Upper
105 100
120 29.5 24.3 36.5
91 20.7 11.0 16.4#
77 15.8 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 0.117 ppbv

RT: 15.330 min Scan# 3958

Delta R.T. 0.016 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

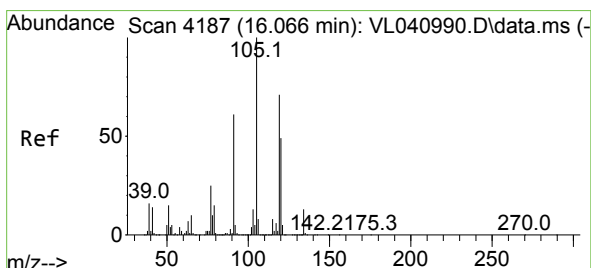
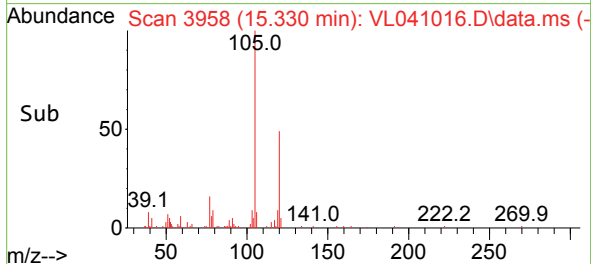
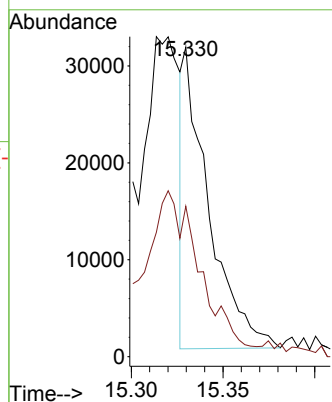
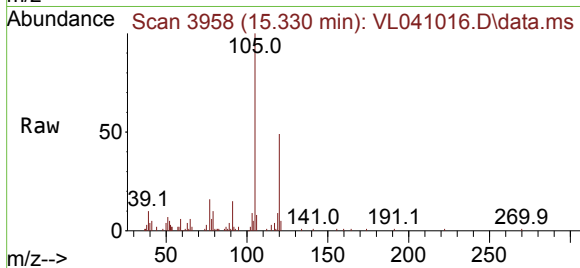
LOD-MDL-AIR-01-QT1-2024

Tgt Ion:105 Resp: 29860

Ion Ratio Lower Upper

105 100

120 45.5 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 0.353 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Tgt Ion:105 Resp: 102085

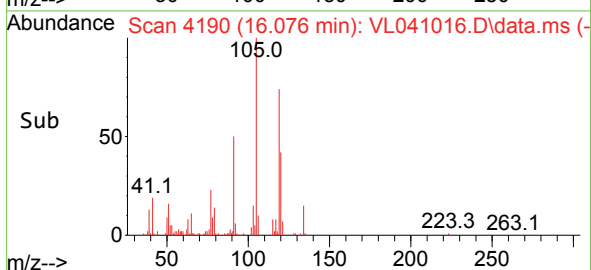
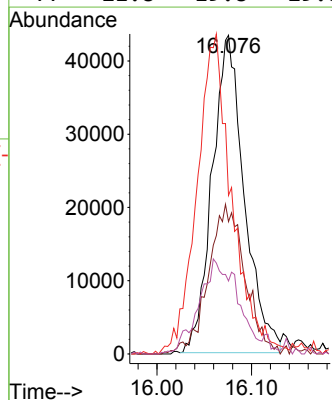
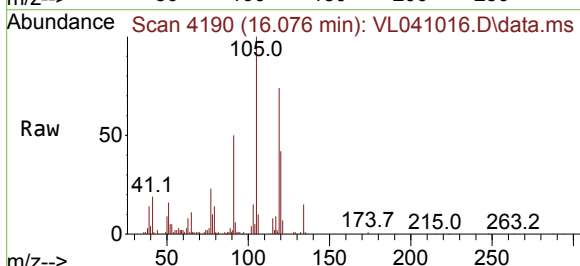
Ion Ratio Lower Upper

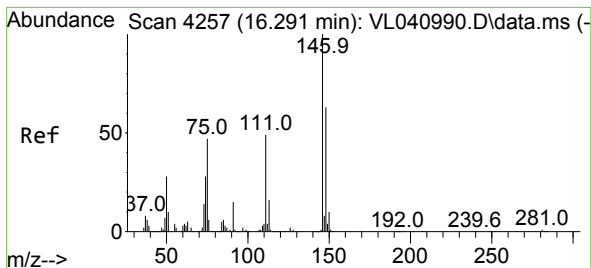
105 100

120 41.7 39.3 58.9

91 47.4 48.7 73.1#

77 21.8 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 0.175 ppbv

RT: 16.301 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

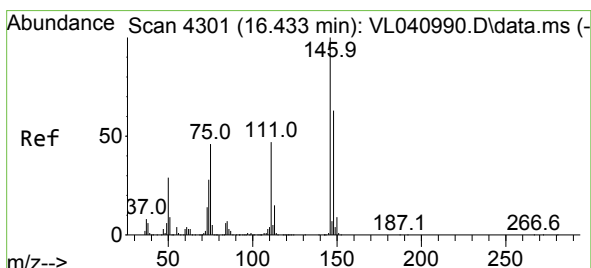
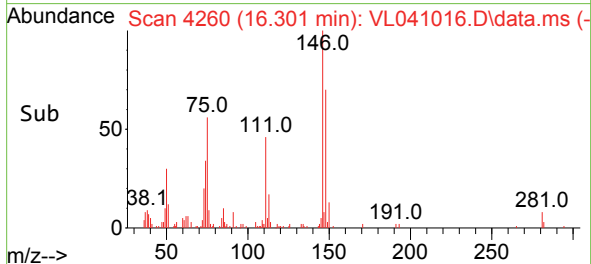
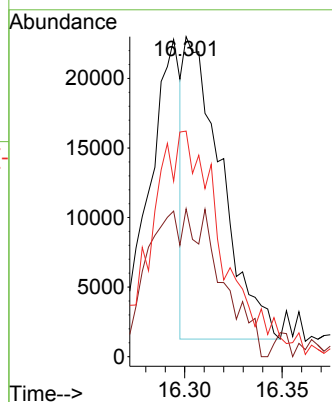
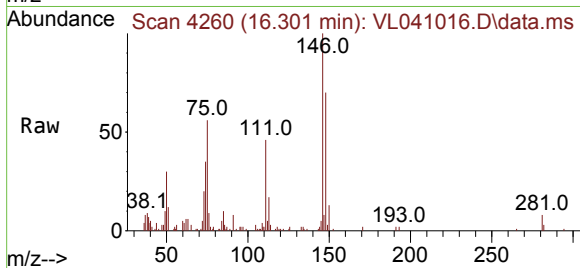
Tgt Ion:146 Resp: 28769

Ion Ratio Lower Upper

146 100

111 102.6 24.4 73.2#

148 145.4 32.5 97.4#



#76

1,4-Dichlorobenzene

Concen: 0.197 ppbv

RT: 16.439 min Scan# 4303

Delta R.T. 0.006 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

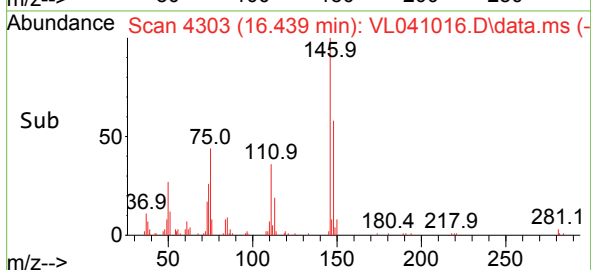
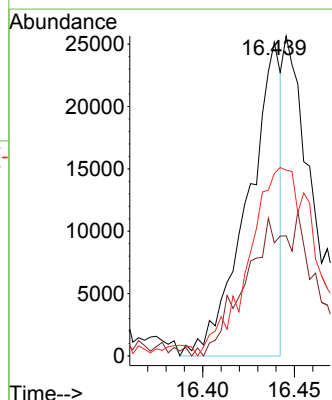
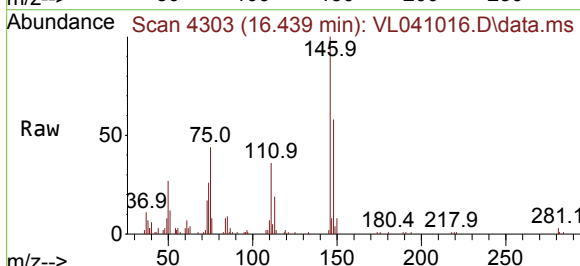
Tgt Ion:146 Resp: 31940

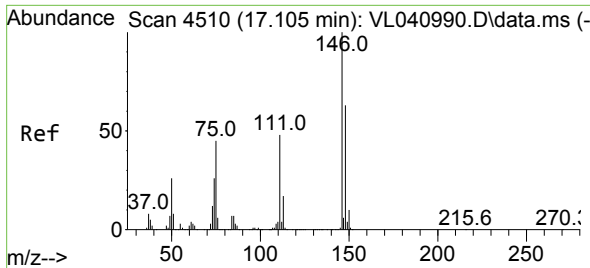
Ion Ratio Lower Upper

146 100

111 0.0 24.0 72.0#

148 0.0 32.9 98.7#

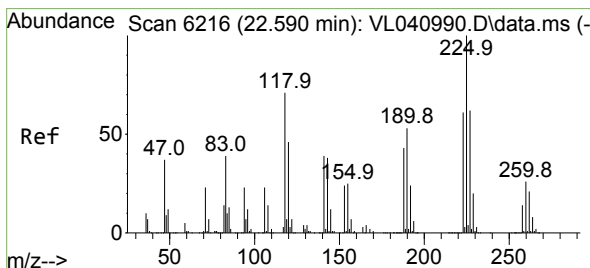
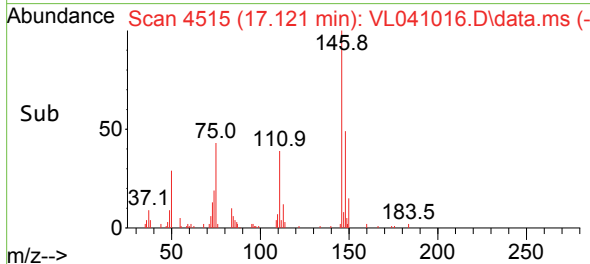
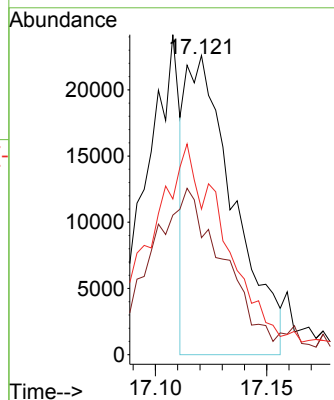
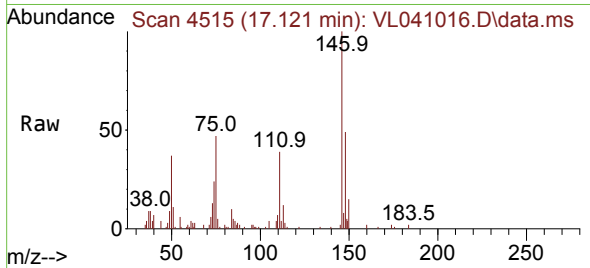




#77
1,2-Dichlorobenzene
Concen: 0.207 ppbv
RT: 17.121 min Scan# 4515
Delta R.T. 0.016 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

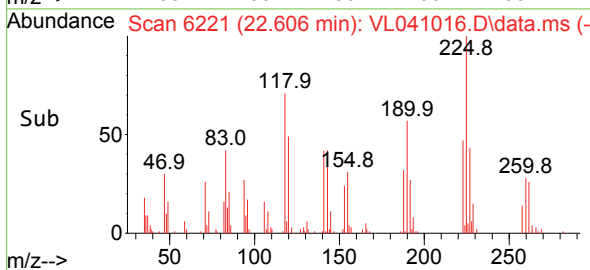
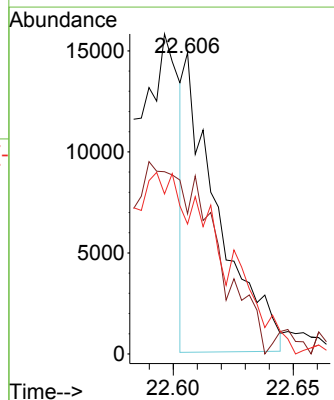
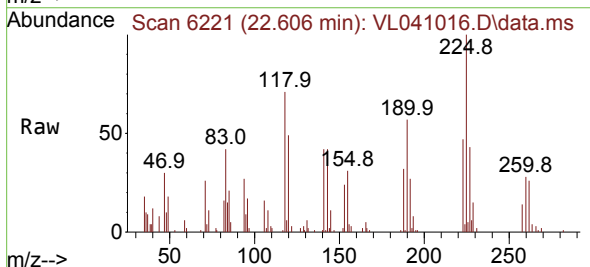
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

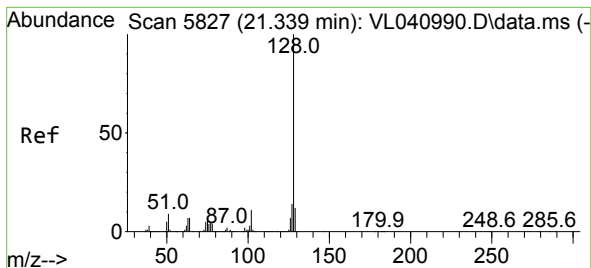
Tgt Ion:146 Resp: 33832
Ion Ratio Lower Upper
146 100
111 97.6 24.8 74.3#
148 123.2 31.8 95.3#



#78
Hexachloro-1,3-Butadiene
Concen: 0.136 ppbv
RT: 22.606 min Scan# 6221
Delta R.T. 0.016 min
Lab File: VL041016.D
Acq: 24 Jan 2024 15:08

Tgt Ion:225 Resp: 14372
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 0.0 51.0 76.4#





#79

Naphthalene

Concen: 0.054 ppbv

RT: 21.339 min Scan# 5827

Delta R.T. 0.000 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

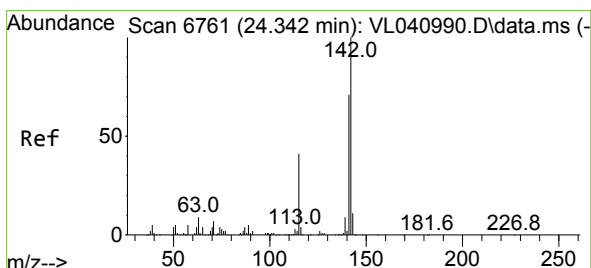
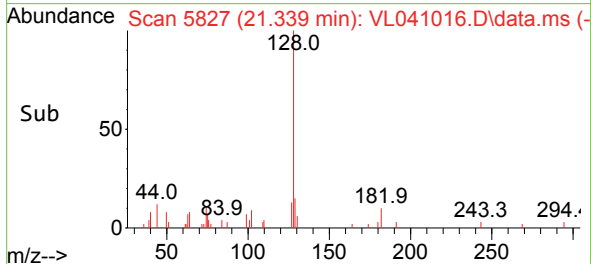
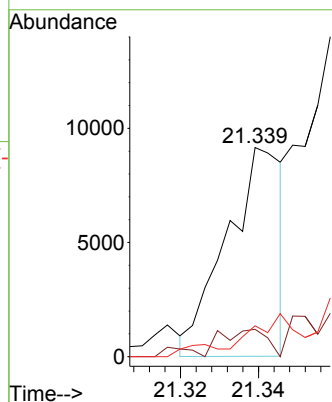
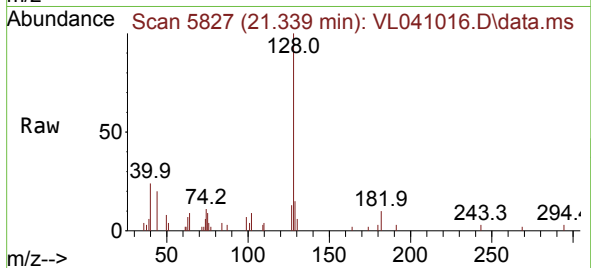
Tgt Ion:128 Resp: 8977

Ion Ratio Lower Upper

128 100

127 14.5 10.9 16.3

129 12.4 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 0.065 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.048 min

Lab File: VL041016.D

Acq: 24 Jan 2024 15:08

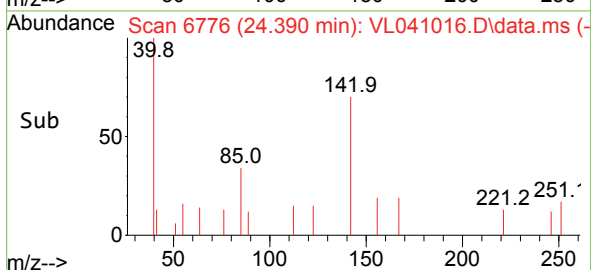
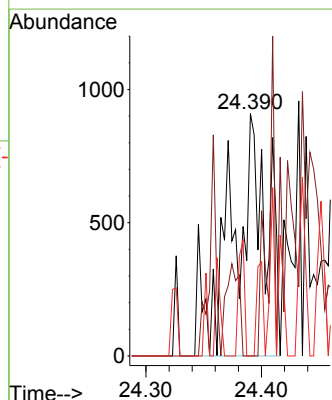
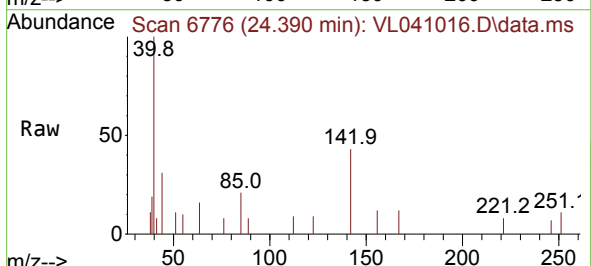
Tgt Ion:142 Resp: 1876

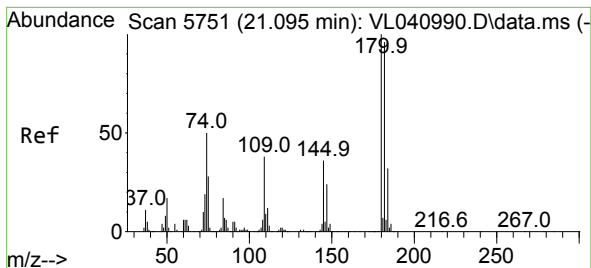
Ion Ratio Lower Upper

142 100

141 135.0 62.7 94.1#

115 31.2 34.0 51.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.133 ppbv

RT: 21.117 min Scan# 51

Delta R.T. 0.019 min

Lab File: VL041016.D

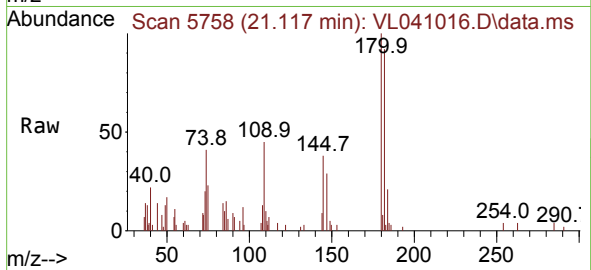
Acq: 24 Jan 2024 15:08

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion:180 Resp: 12852

Ion Ratio Lower Upper

180 100

182 192.9 78.6 118.0#

184 0.0 24.4 36.6#

