

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040974.D
 Acq On : 15 Jan 2024 17:35
 Operator : SY/MD
 Sample : P1138-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 16 03:39:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 16 03:31:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1385587	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.648	114	3667347	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	3261869	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2499968	10.405	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.745	85	30916	0.117	ppbv	98
3) Chlorodifluoromethane	2.668	51	123682	0.593	ppbv #	59
4) Chloromethane	2.816	50	4656	0.061	ppbv #	50
7) Chloroethane	3.214	64	885	0.033	ppbv #	43
9) Propene	2.713	41	192021	2.791	ppbv	92
10) Heptane	7.571	43	196828	1.151	ppbv	98
11) Trichlorofluoromethane	3.578	101	13348	0.065	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	7394	0.046	ppbv #	15
13) Ethanol	3.266	45	13429	0.774	ppbv #	3
15) Acetone	3.481	43	1766778	10.632	ppbv	92
16) 1,3-Butadiene	2.983	39	88177	1.232	ppbv #	26
20) Methylene Chloride	3.947	84	217507	3.672	ppbv	93
21) Allyl Chloride	3.960	41	4554	0.046	ppbv #	1
23) Vinyl Acetate	4.632	43	107516	0.586	ppbv #	84
24) 1,1-Dichloroethane	4.571	63	3440	0.021	ppbv #	94
25) Ethyl Acetate	5.221	43	292577	1.016	ppbv #	77
26) Hexane	5.221	57	415054	3.252	ppbv #	38
27) Carbon Disulfide	4.134	76	14726	0.085	ppbv #	54
28) Methyl tert-Butyl Ether	4.597	73	4366	0.037	ppbv #	53
29) Chloroform	5.275	83	81554	0.379	ppbv	88
30) Cyclohexane	6.613	84	6517	0.061	ppbv #	1
32) 1,1,1-Trichloroethane	6.002	97	403375	1.937	ppbv	99
34) 2-Butanone	4.787	43	3428801	17.674	ppbv	98
35) Carbon Tetrachloride	6.005	117	32305	0.141	ppbv	88
36) Benzene	6.369	78	68916	0.240	ppbv	95
38) Trichloroethene	7.285	130	653585	6.070	ppbv	99
39) 1,2-Dichloropropane	6.648	63	877756	7.791	ppbv #	23
42) Bromodichloromethane	7.246	83	5323	0.021	ppbv #	24
44) 2,2,4-Trimethylpentane	7.317	57	23485	0.048	ppbv #	1
51) 2-Hexanone	9.542	43	352691	1.668	ppbv #	86
52) Tetrachloroethene	10.613	164	4486	0.046	ppbv #	82
53) Toluene	9.204	91	348672	1.097	ppbv	97
58) Ethyl Benzene	12.072	91	213940	0.511	ppbv	94
59) m/p-Xylene	12.326	91	729719	2.048	ppbv #	100
60) o-Xylene	13.040	91	312711	0.931	ppbv	99
62) Isopropylbenzene	14.015	105	33878	0.068	ppbv #	24
64) n-propylbenzene	14.902	120	6180	0.049	ppbv #	1
65) tert-Butylbenzene	16.082	119	31930	0.075	ppbv #	19
66) Benzyl Chloride	16.313	91	1195	0.041	ppbv #	66
67) sec-Butylbenzene	16.619	105	55723	0.091	ppbv	99
69) p-Isopropyltoluene	16.863	119	101803	0.213	ppbv	98
71) 2-Chlorotoluene	15.105	91	47325	0.123	ppbv	75
72) 4-Ethyltoluene	15.169	105	167040	0.453	ppbv #	96

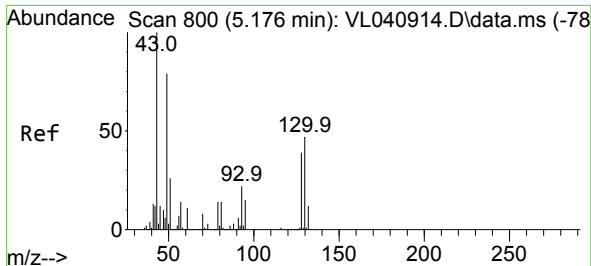
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040974.D
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Quant Time: Jan 16 03:39:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration

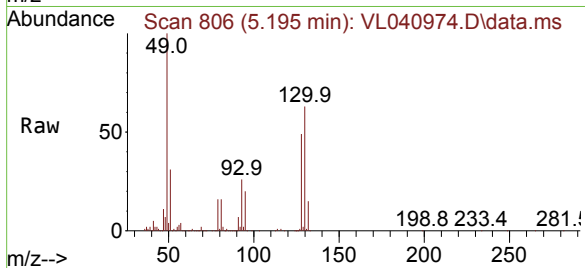
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.333	105	202733	0.637	ppbv	99
74) 1,2,4-Trimethylbenzene	16.085	105	494877	1.398	ppbv #	70
80) Naphthalene,2-methyl-	24.390	142	1004	0.032	ppbv #	31

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

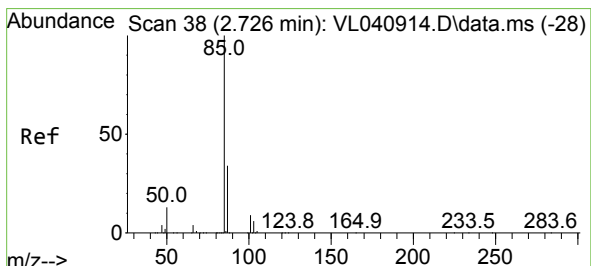
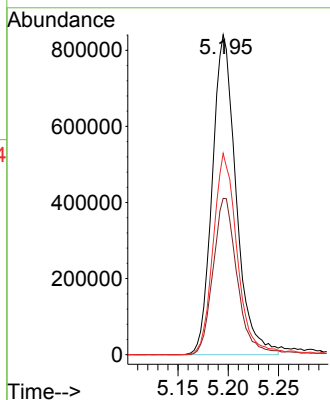
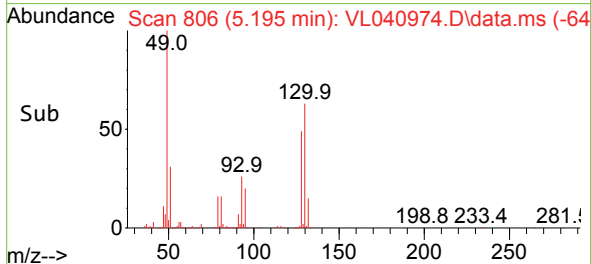


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.019 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

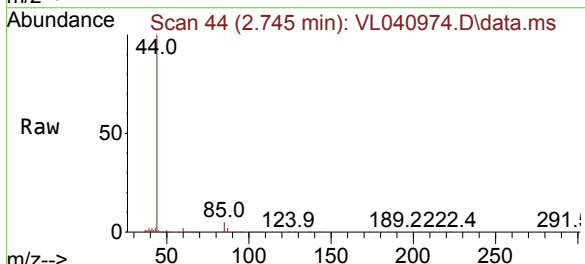
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 MSVOA_L
 ClientSampleId :



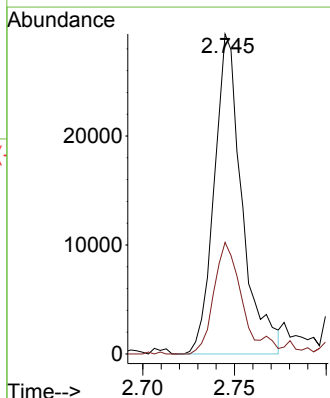
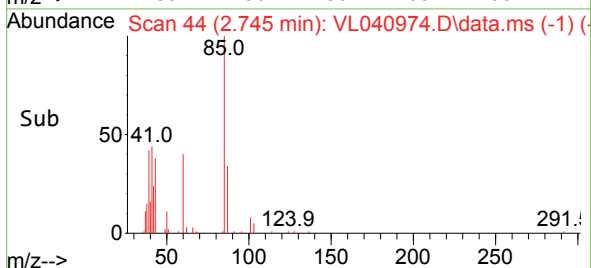
Tgt Ion: 49 Resp: 1385587
 Ion Ratio Lower Upper
 49 100
 128 50.5 23.8 71.2
 130 64.6 30.1 90.5

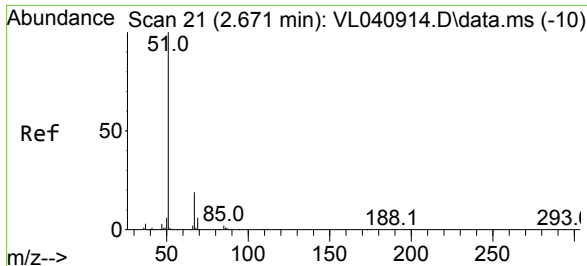


#2
 Dichlorodifluoromethane
 Concen: 0.117 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.022 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35



Tgt Ion: 85 Resp: 30916
 Ion Ratio Lower Upper
 85 100
 87 34.8 27.0 40.6

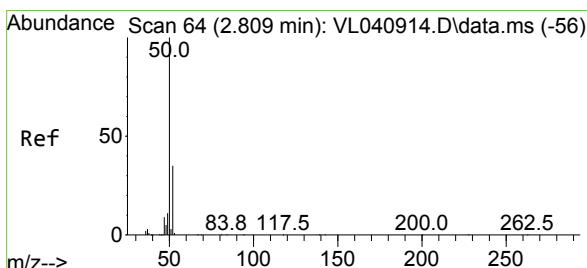
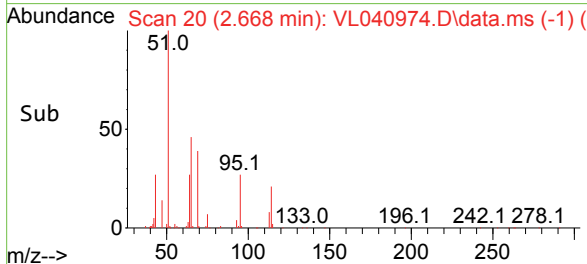
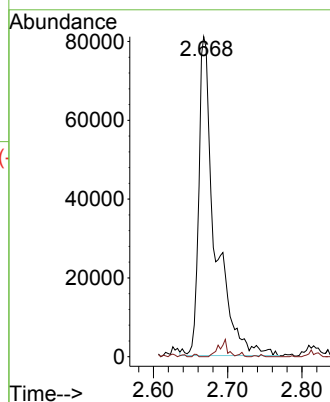
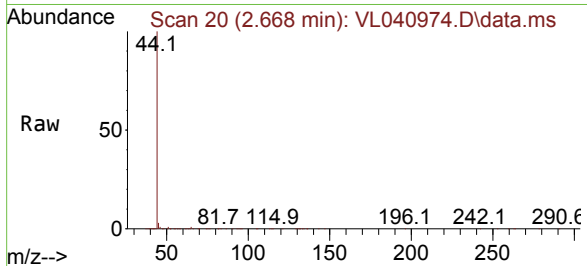




#3
Chlorodifluoromethane
Concen: 0.593 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

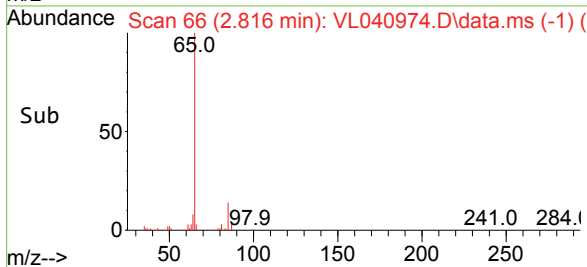
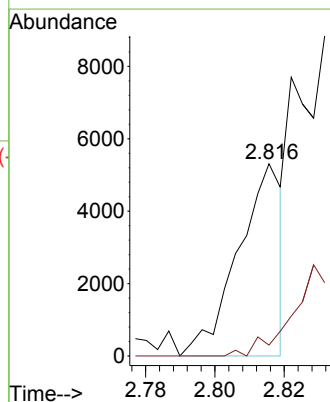
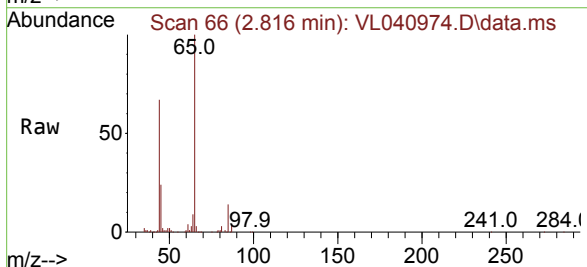
Instrument :
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ClientSampleId :

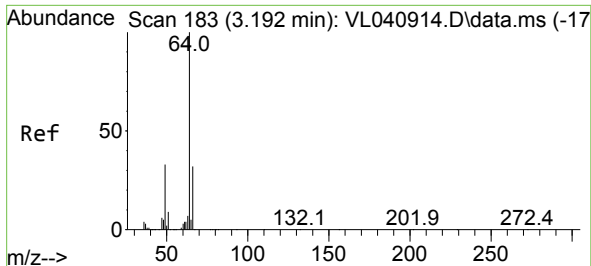
Tgt Ion: 51 Resp: 123682
Ion Ratio Lower Upper
51 100
67 0.2 14.7 22.1#



#4
Chloromethane
Concen: 0.061 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.010 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 50 Resp: 4656
Ion Ratio Lower Upper
50 100
52 5.7 28.0 42.0#

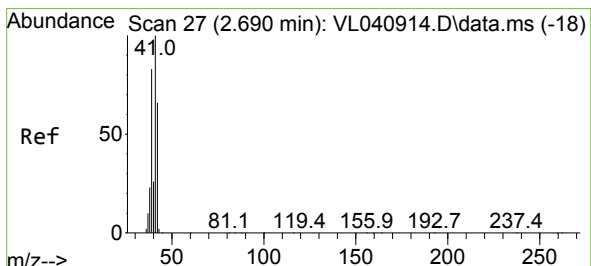
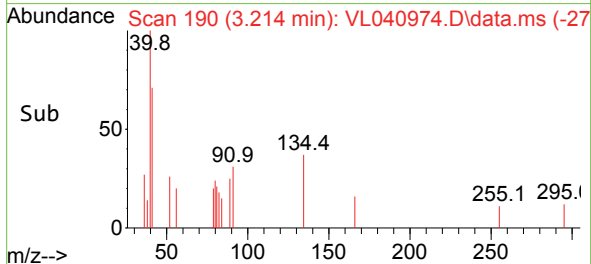
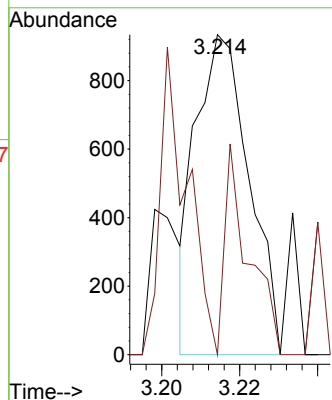
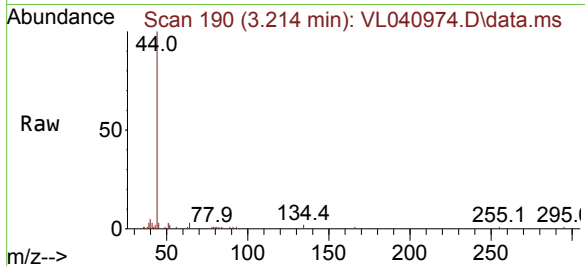




#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.214 min Scan# 19
Delta R.T. 0.026 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

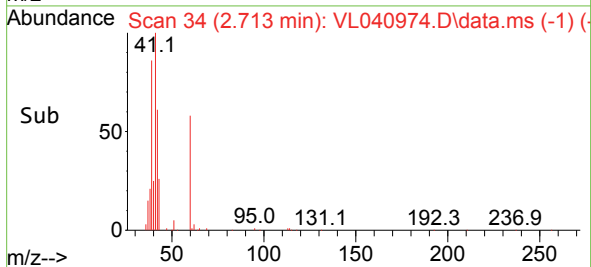
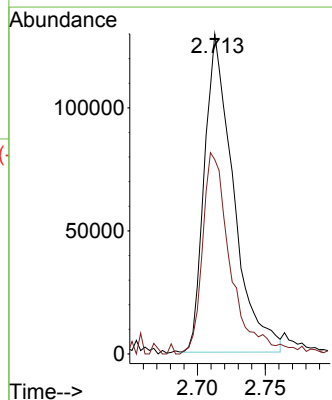
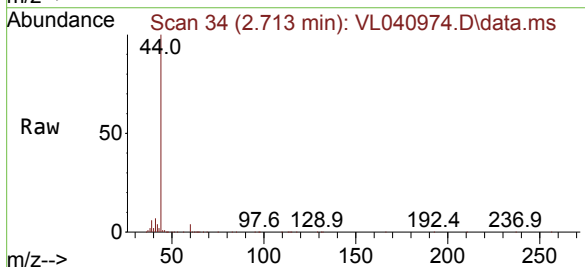
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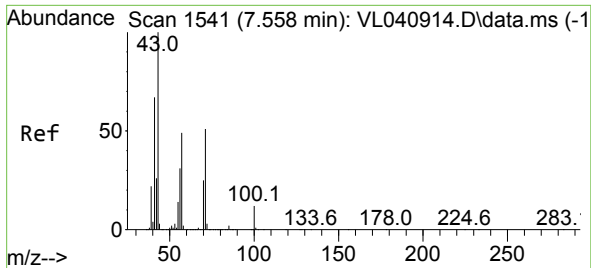
Tgt Ion: 64 Resp: 885
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#9
Propene
Concen: 2.791 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.026 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 41 Resp: 192021
Ion Ratio Lower Upper
41 100
42 63.0 55.8 83.6

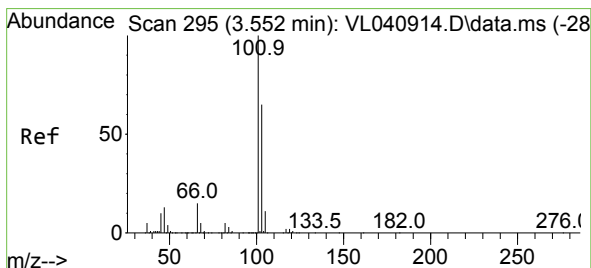
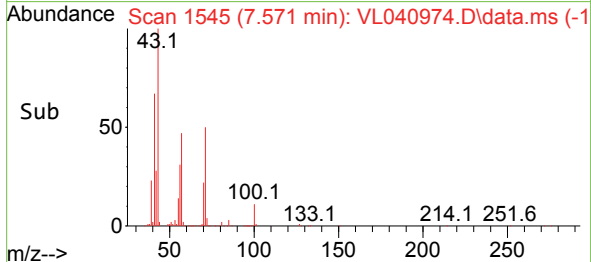
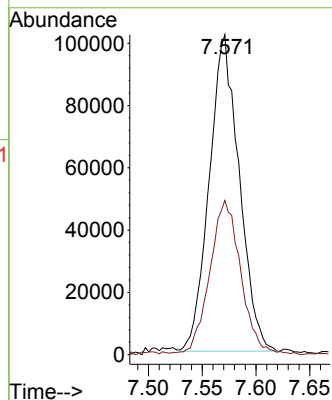
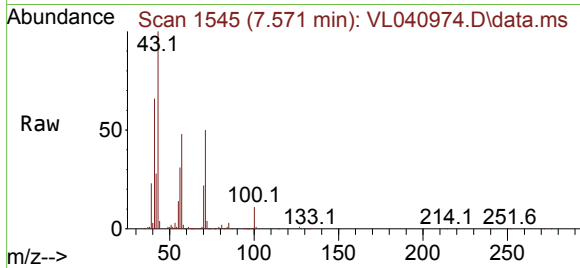




#10
 Heptane
 Concen: 1.151 ppbv
 RT: 7.571 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

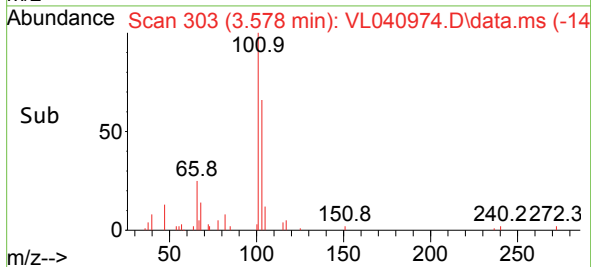
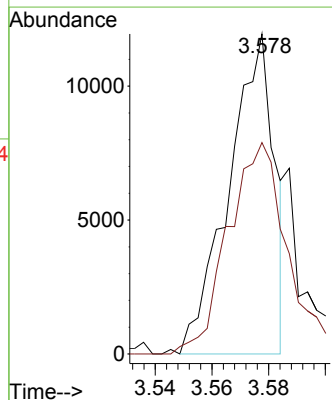
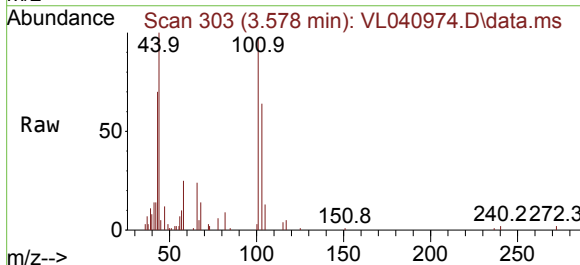
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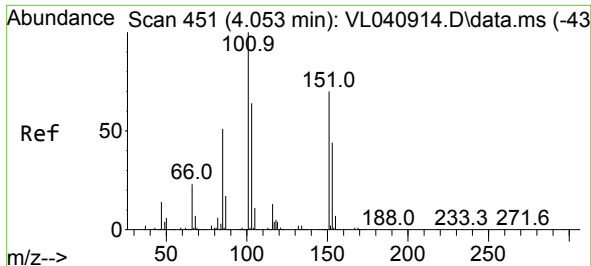
Tgt Ion: 43 Resp: 196828
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.3 58.9



#11
 Trichlorofluoromethane
 Concen: 0.065 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. 0.026 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

Tgt Ion: 101 Resp: 13348
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.046 ppbv

RT: 4.073 min Scan# 41

Delta R.T. 0.019 min

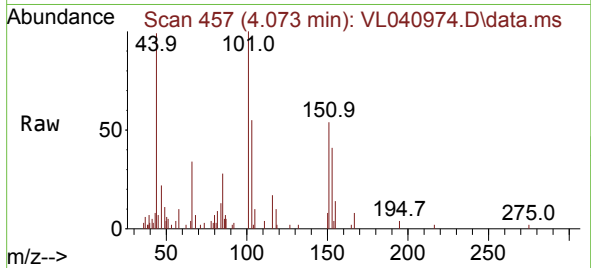
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Instrument :

MSVOA_L

ClientSampleId :

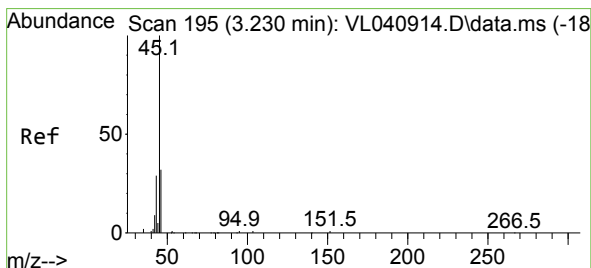
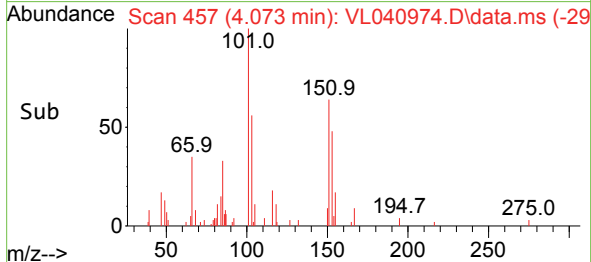
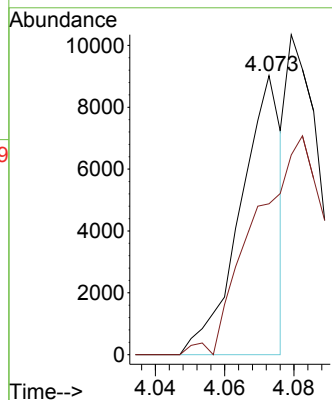


Tgt Ion:101 Resp: 7394

Ion Ratio Lower Upper

101 100

151 0.0 55.8 83.8#



#13

Ethanol

Concen: 0.774 ppbv

RT: 3.266 min Scan# 206

Delta R.T. 0.035 min

Lab File: VL040974.D

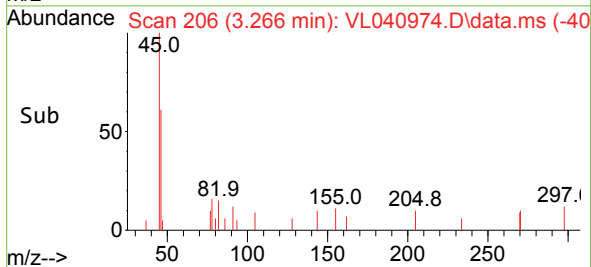
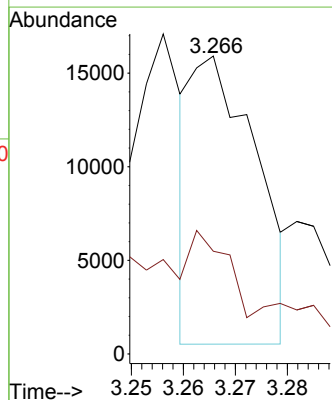
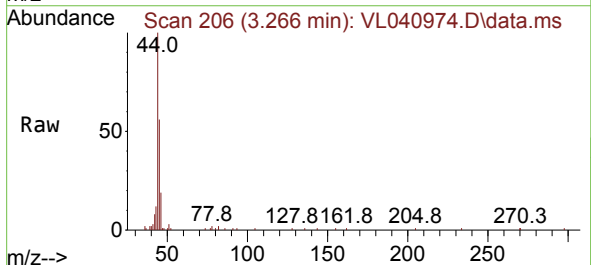
Acq: 15 Jan 2024 17:35

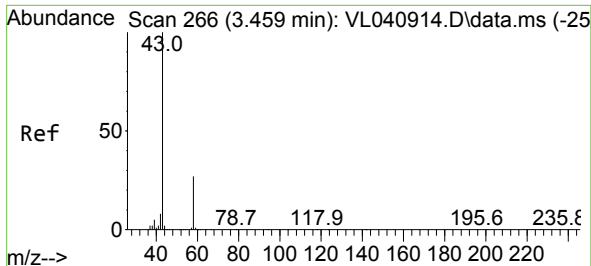
Tgt Ion: 45 Resp: 13429

Ion Ratio Lower Upper

45 100

46 95.8 15.0 60.0#

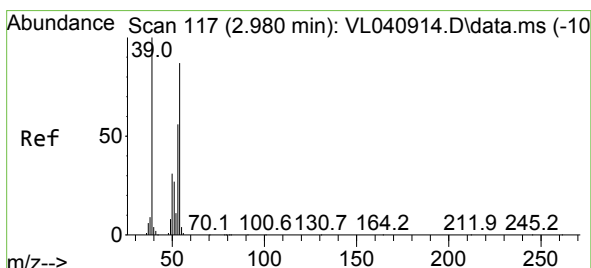
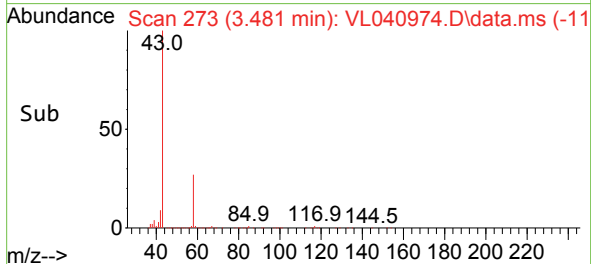
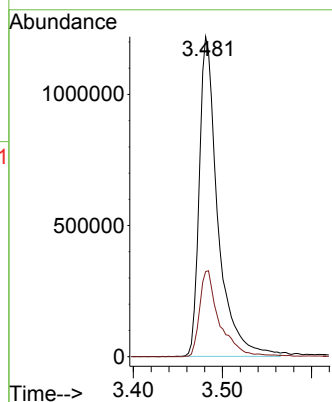
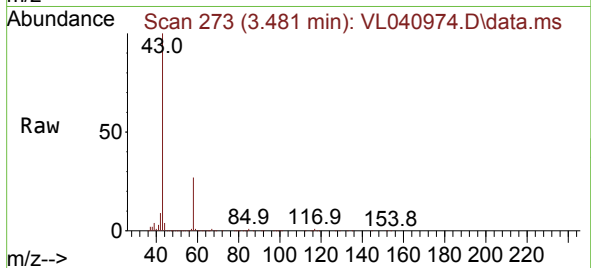




#15
Acetone
Concen: 10.632 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

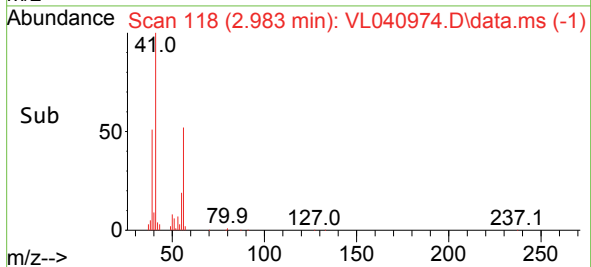
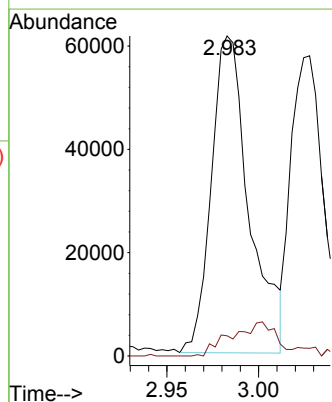
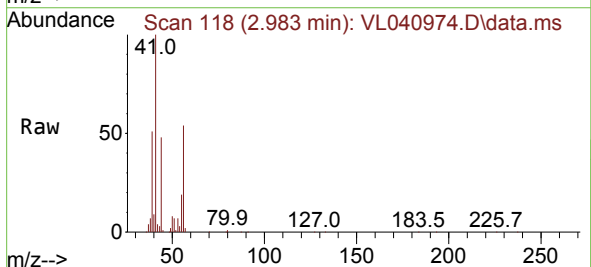
Instrument :
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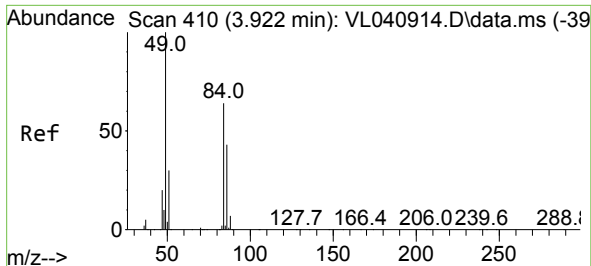
Tgt Ion: 43 Resp: 1766778
Ion Ratio Lower Upper
43 100
58 29.5 20.6 30.8



#16
1,3-Butadiene
Concen: 1.232 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.006 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 39 Resp: 88177
Ion Ratio Lower Upper
39 100
54 14.7 63.8 95.6#





#20

Methylene Chloride

Concen: 3.672 ppbv

RT: 3.947 min Scan# 41

Delta R.T. 0.029 min

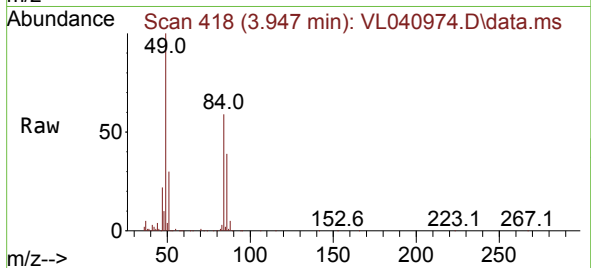
Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 217507

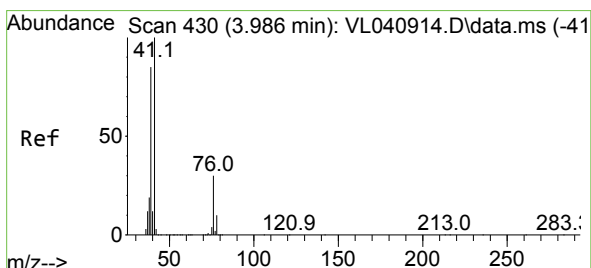
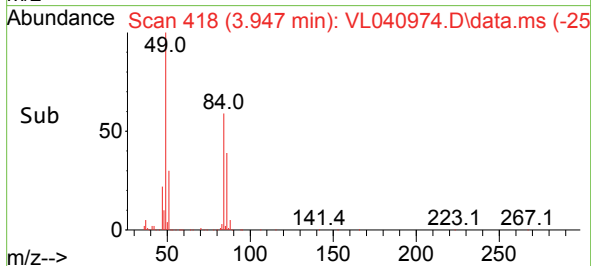
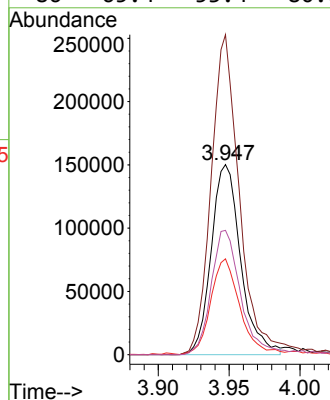
Ion Ratio Lower Upper

84 100

49 168.2 124.6 187.0

51 50.3 37.2 55.8

86 65.4 53.4 80.0



#21

Allyl Chloride

Concen: 0.046 ppbv

RT: 3.960 min Scan# 422

Delta R.T. -0.023 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

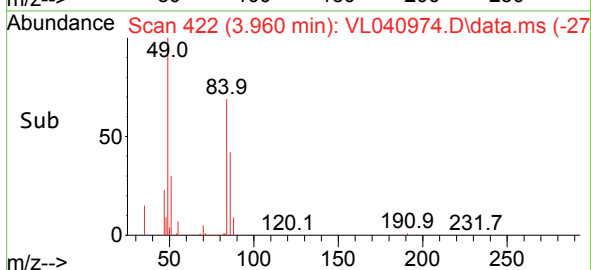
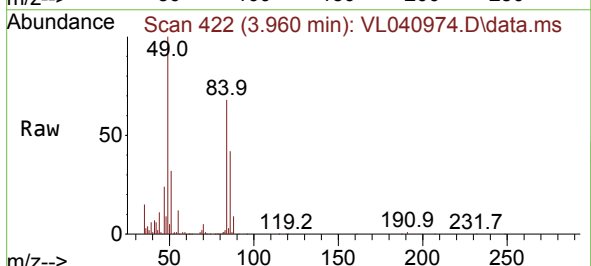
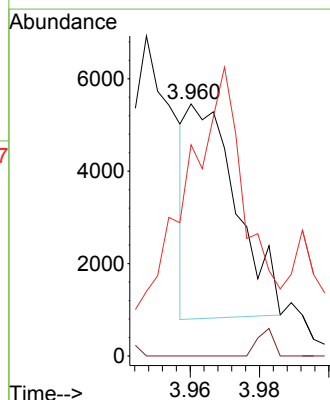
Tgt Ion: 41 Resp: 4554

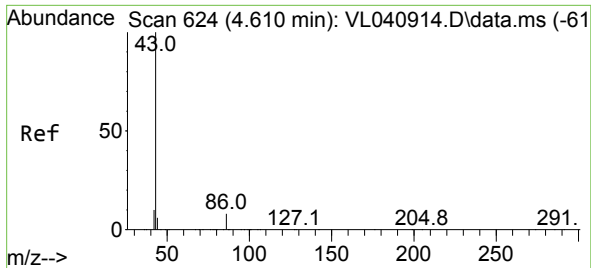
Ion Ratio Lower Upper

41 100

76 0.0 23.9 35.9#

39 200.2 66.5 99.7#



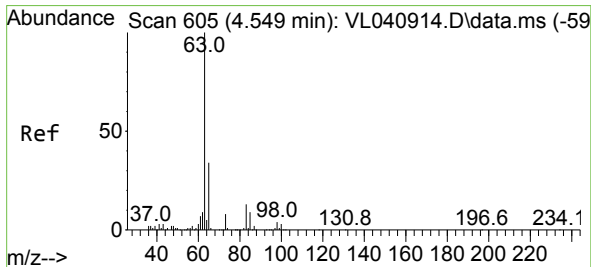
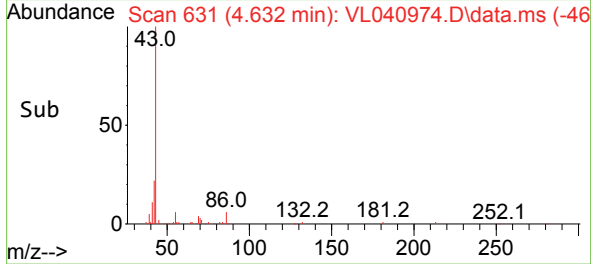
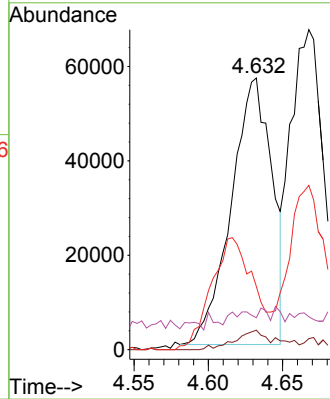
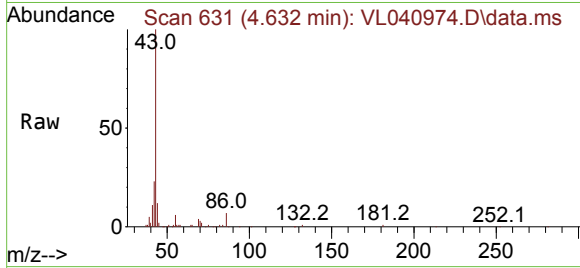


#23
 Vinyl Acetate
 Concen: 0.586 ppbv
 RT: 4.632 min Scan# 612
 Delta R.T. 0.022 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 107516

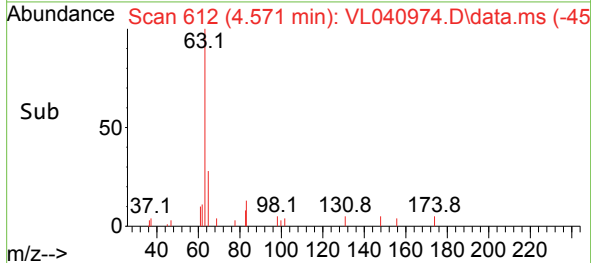
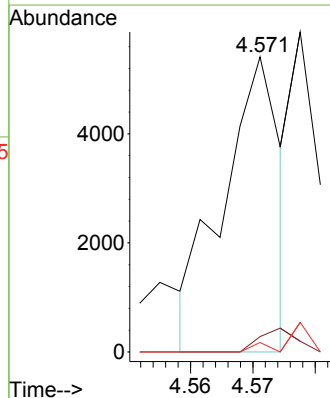
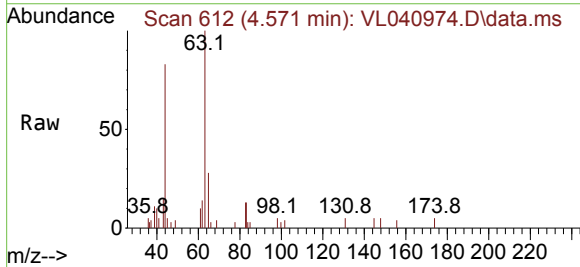
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	22.2	8.4	12.6#
44	4.1	4.2	6.4#

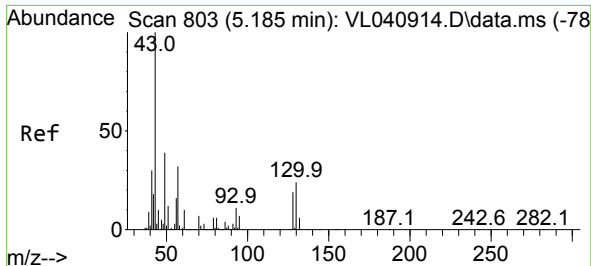


#24
 1,1-Dichloroethane
 Concen: 0.021 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.022 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

Tgt Ion: 63 Resp: 3440

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.1	6.5#
100	4.0	1.4	4.2





#25

Ethyl Acetate

Concen: 1.016 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.032 min

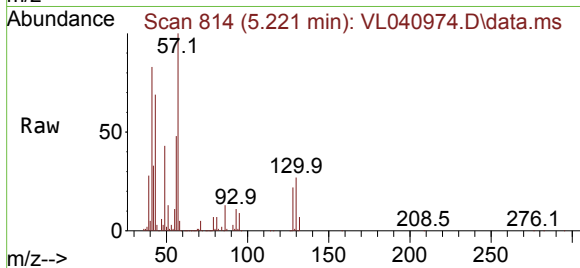
Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 292577

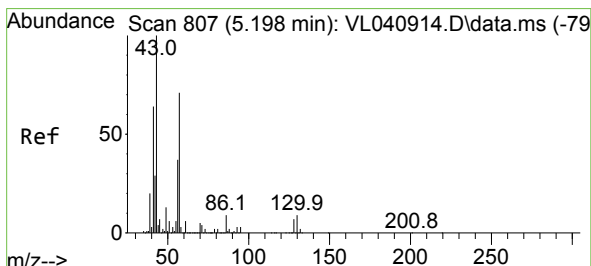
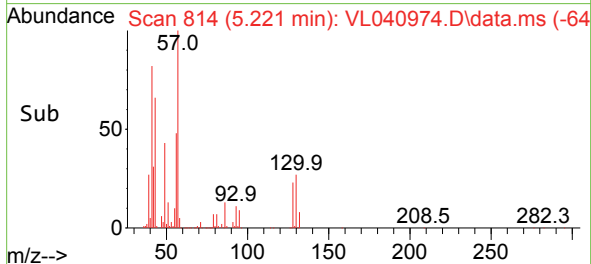
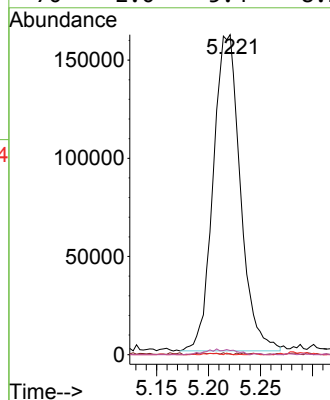
Ion Ratio Lower Upper

43 100

45 0.4 8.2 12.2#

61 0.3 7.6 11.4#

70 2.0 5.4 8.2#



#26

Hexane

Concen: 3.252 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.026 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Tgt Ion: 57 Resp: 415054

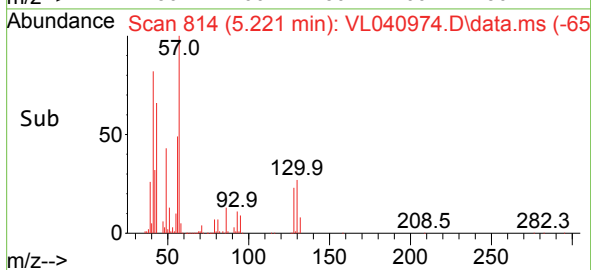
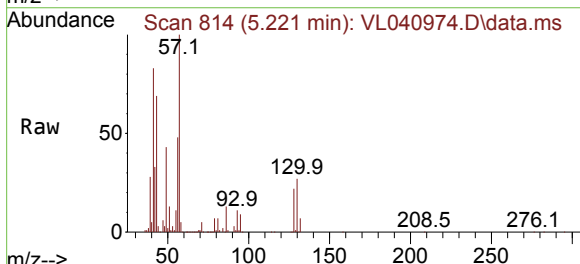
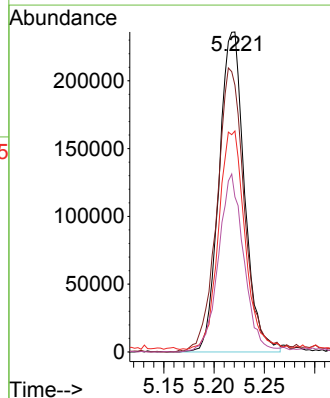
Ion Ratio Lower Upper

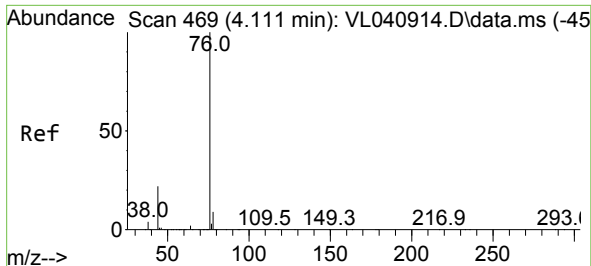
57 100

41 98.5 75.2 112.8

43 71.3 188.0 282.0#

56 55.9 42.3 63.5

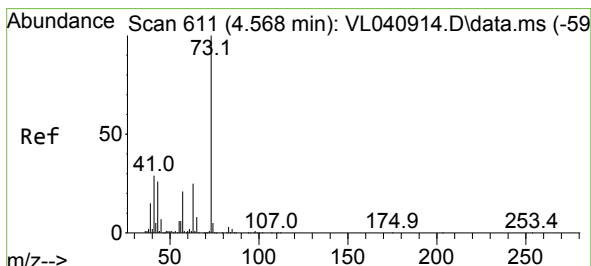
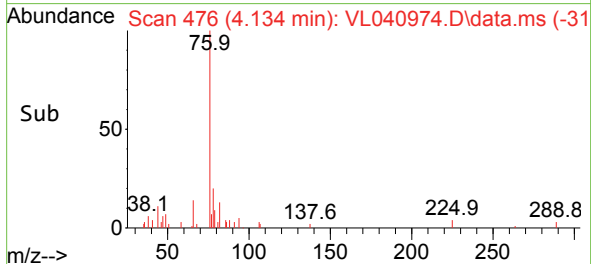
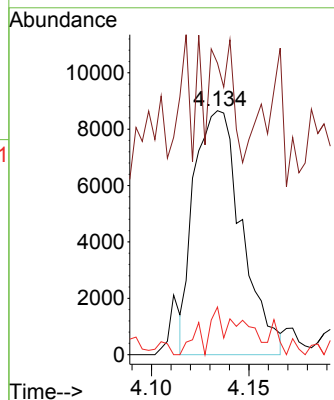
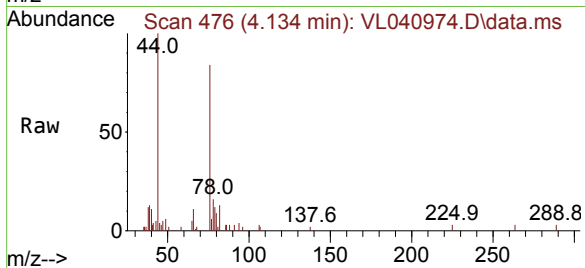




#27
Carbon Disulfide
Concen: 0.085 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

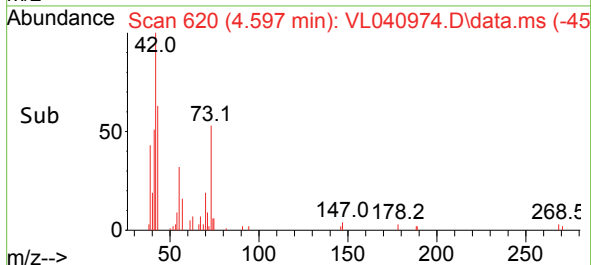
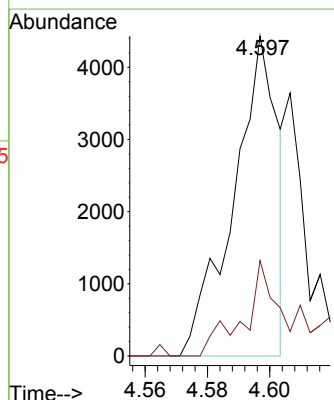
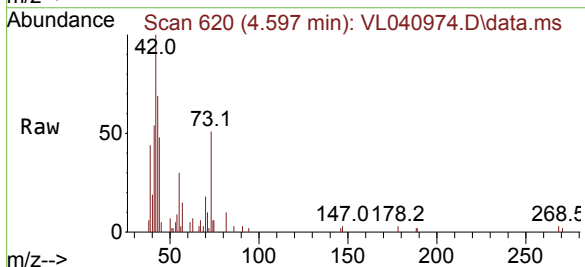
Instrument :
MSVOA_L
ClientSampleId :

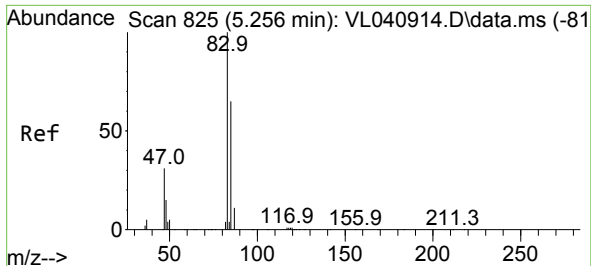
Tgt Ion: 76 Resp: 14726
Ion Ratio Lower Upper
76 100
44 0.0 18.4 27.6#
78 25.7 7.9 11.9#



#28
Methyl tert-Butyl Ether
Concen: 0.037 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.026 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 73 Resp: 4366
Ion Ratio Lower Upper
73 100
57 0.0 18.0 27.0#

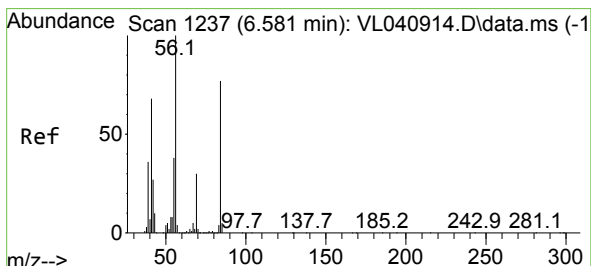
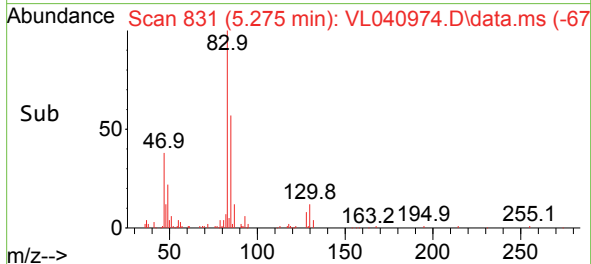
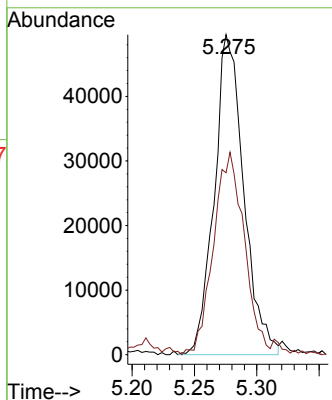
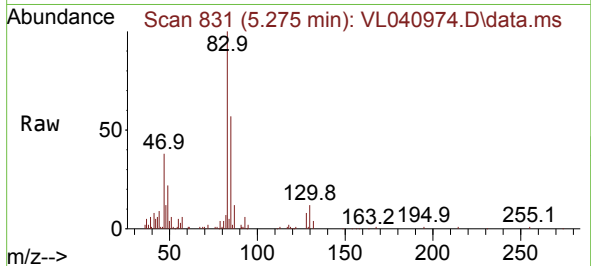




#29
Chloroform
Concen: 0.379 ppbv
RT: 5.275 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

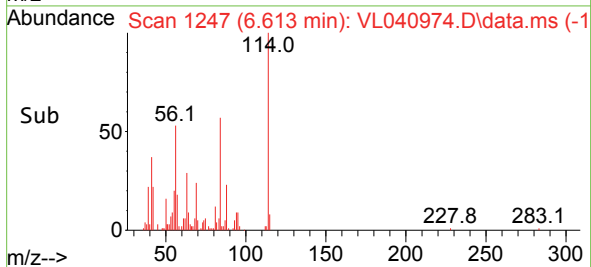
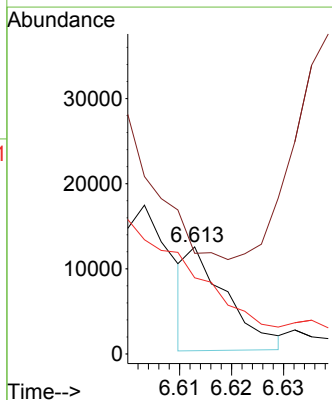
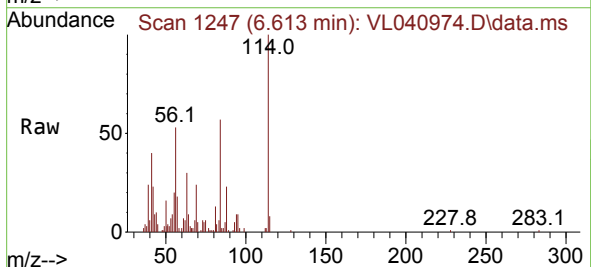
Instrument :
MSVOA_L
ClientSampleId :

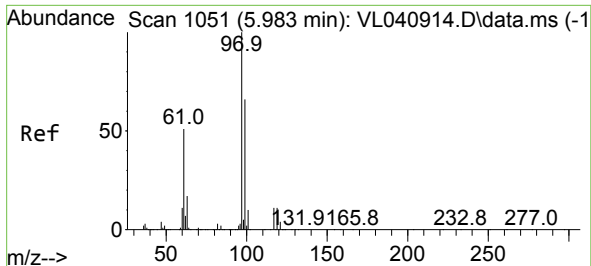
Tgt Ion: 83 Resp: 81554
Ion Ratio Lower Upper
83 100
85 55.8 52.3 78.5



#30
Cyclohexane
Concen: 0.061 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. 0.029 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 84 Resp: 6517
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2#
41 0.0 70.0 105.0#

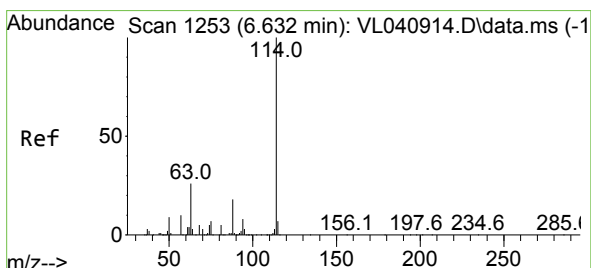
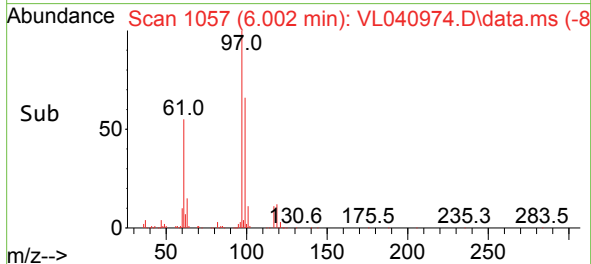
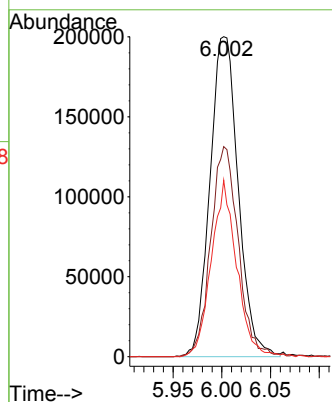
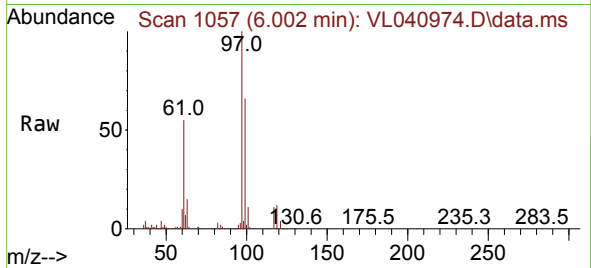




#32
 1,1,1-Trichloroethane
 Concen: 1.937 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.016 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

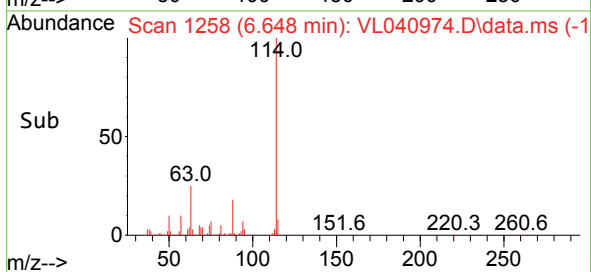
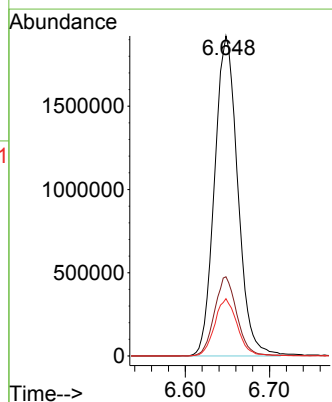
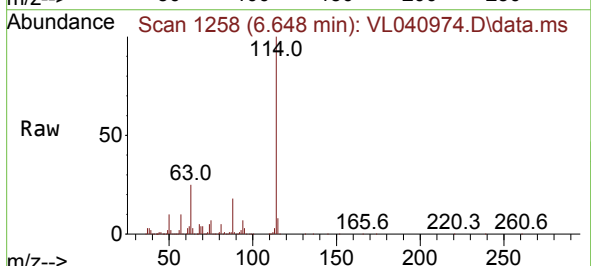
Instrument :
 MSVOA_L
 ClientSampleId :

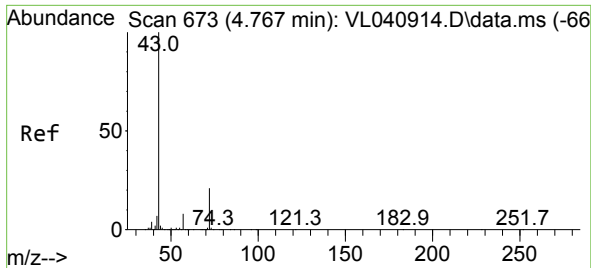
Tgt Ion: 97 Resp: 403375
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.6
 61 49.6 41.0 61.6



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.648 min Scan# 1258
 Delta R.T. 0.013 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

Tgt Ion: 114 Resp: 3667347
 Ion Ratio Lower Upper
 114 100
 63 24.2 21.0 31.6
 88 17.6 14.3 21.5

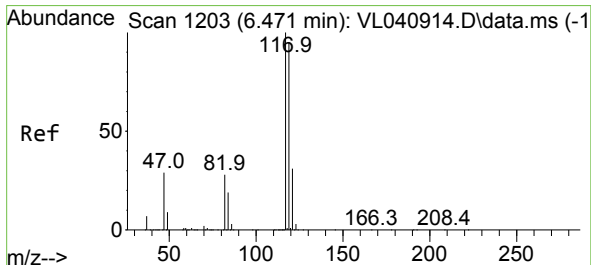
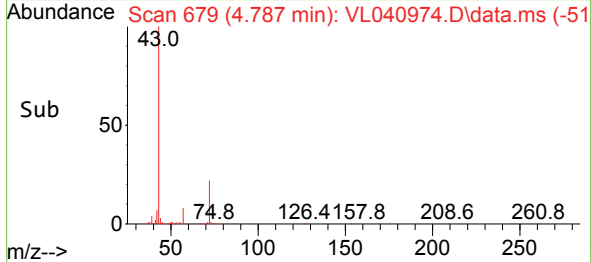
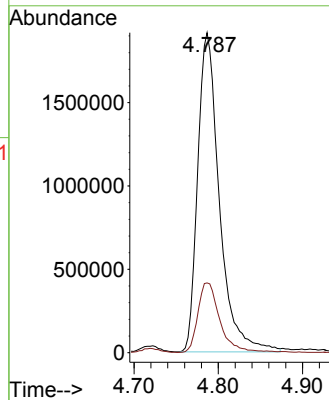
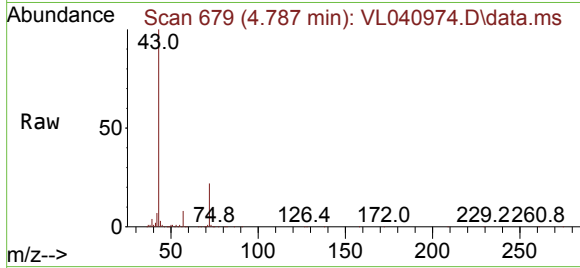




#34
2-Butanone
Concen: 17.674 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

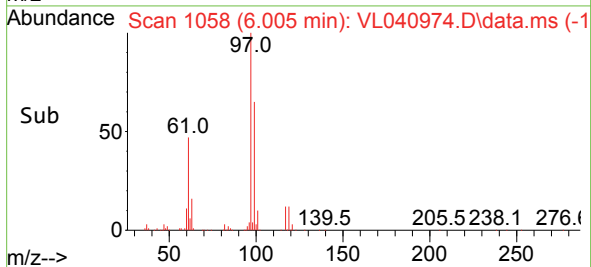
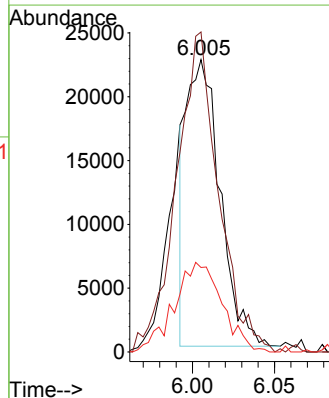
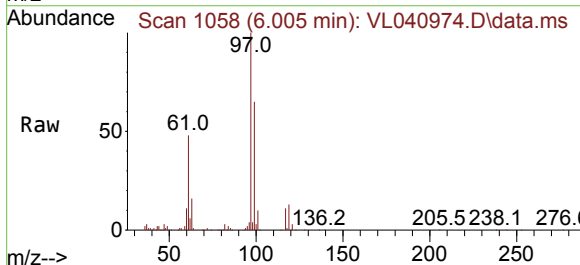
Instrument :
MSVOA_L
ClientSampleId :

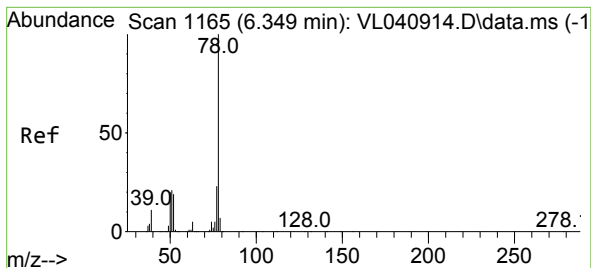
Tgt Ion: 43 Resp: 3428801
Ion Ratio Lower Upper
43 100
72 22.4 17.2 25.8



#35
Carbon Tetrachloride
Concen: 0.141 ppbv
RT: 6.005 min Scan# 1058
Delta R.T. -0.470 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 117 Resp: 32305
Ion Ratio Lower Upper
117 100
119 110.5 76.3 114.5
121 29.5 24.9 37.3





#36

Benzene

Concen: 0.240 ppbv

RT: 6.369 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :

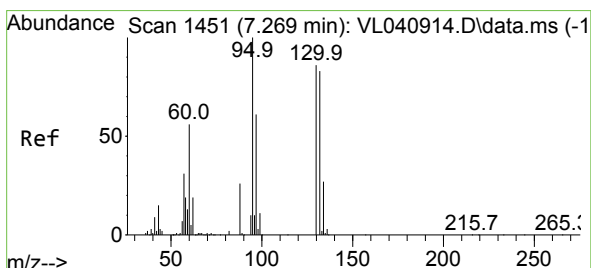
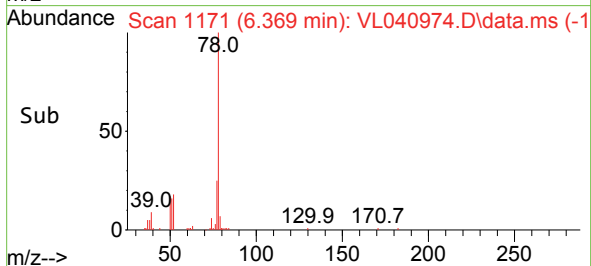
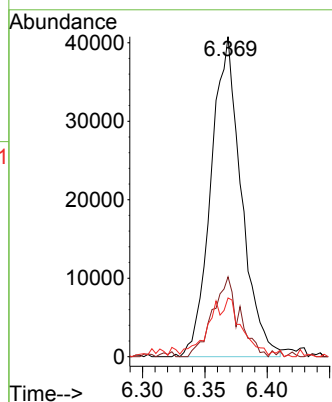
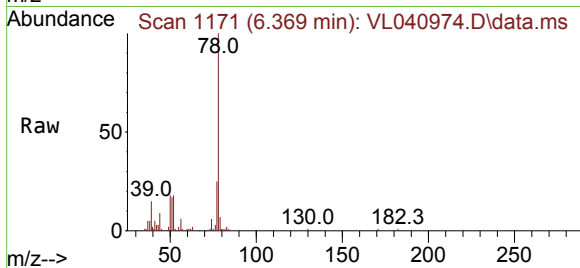
Tgt Ion: 78 Resp: 68916

Ion Ratio Lower Upper

78 100

77 25.5 18.4 27.6

50 17.9 16.0 24.0



#38

Trichloroethene

Concen: 6.070 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.016 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Tgt Ion: 130 Resp: 653585

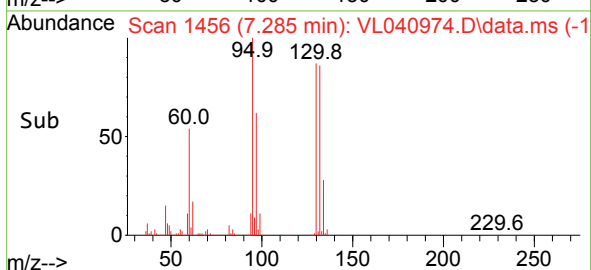
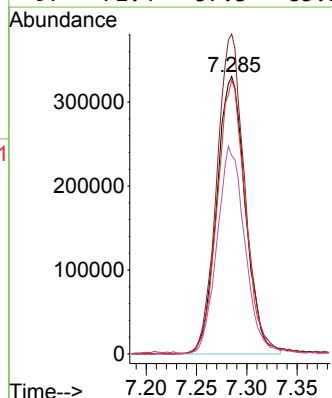
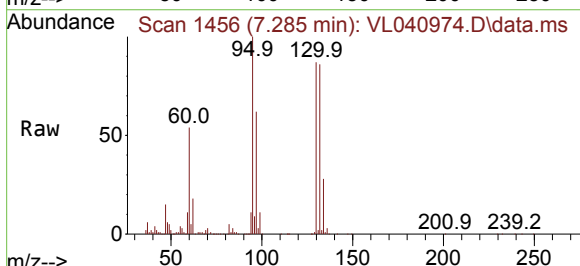
Ion Ratio Lower Upper

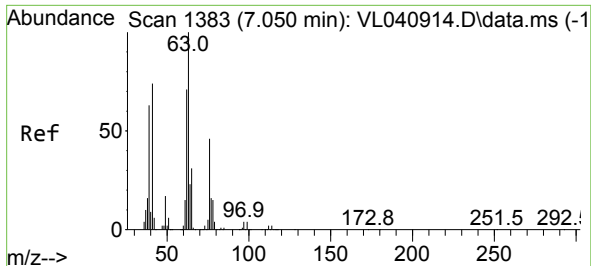
130 100

95 115.2 93.5 140.3

132 98.3 77.4 116.2

97 71.4 57.3 85.9





#39

1,2-Dichloropropane

Concen: 7.791 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :

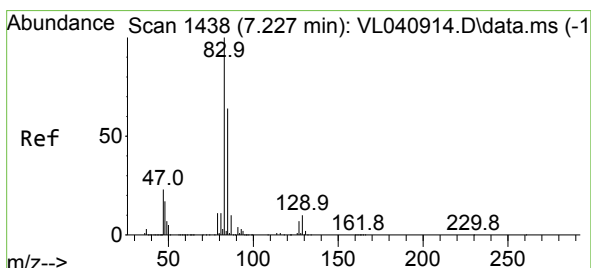
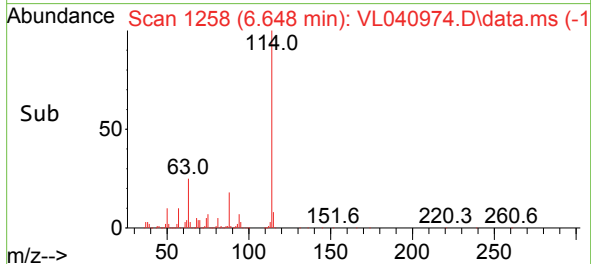
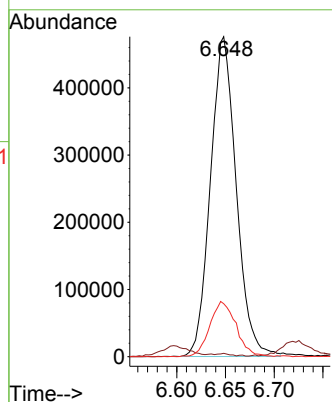
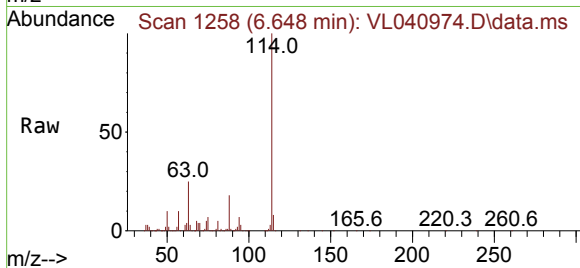
Tgt Ion: 63 Resp: 877756

Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 16.5 56.6 85.0#



#42

Bromodichloromethane

Concen: 0.021 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.016 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

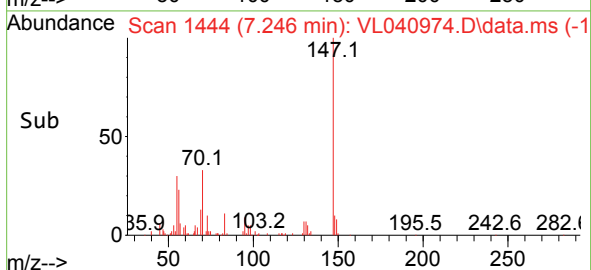
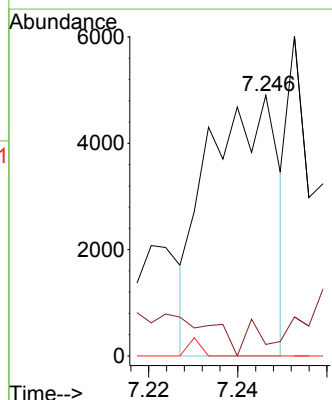
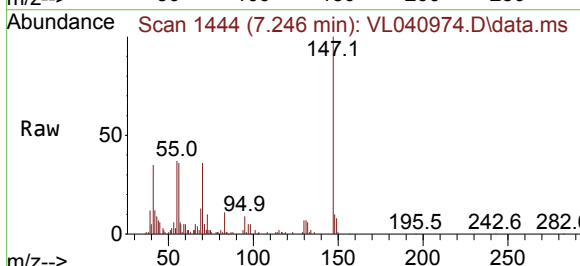
Tgt Ion: 83 Resp: 5323

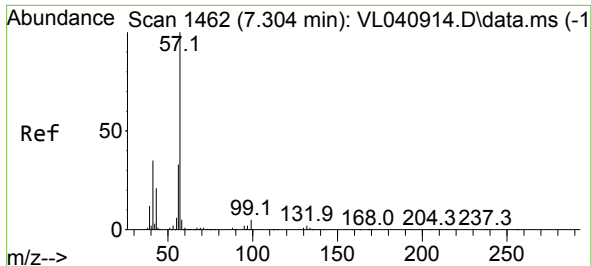
Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.0#

127 0.0 5.9 8.9#

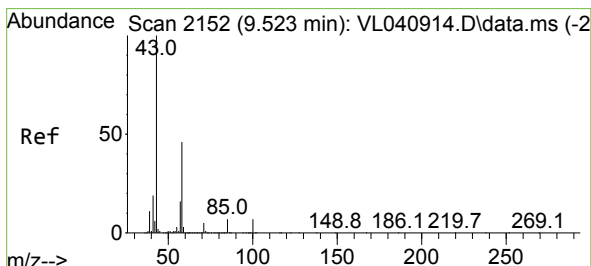
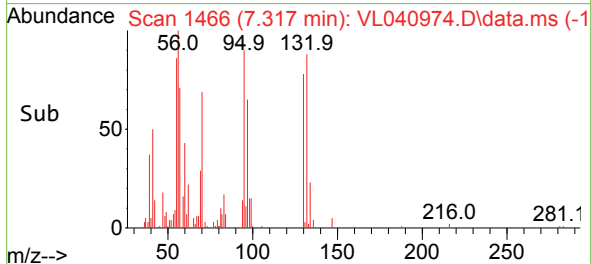
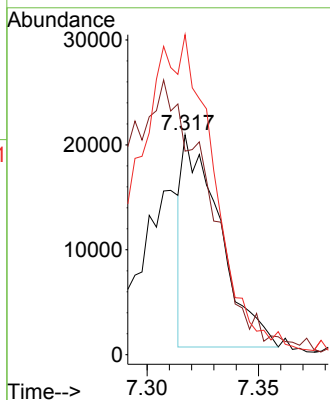
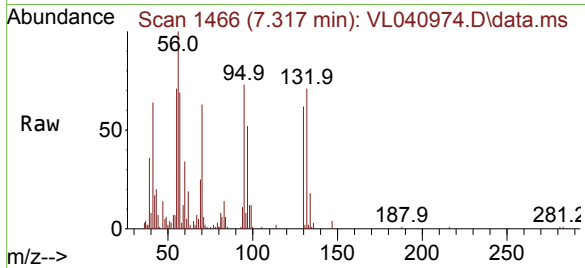




#44
2,2,4-Trimethylpentane
Concen: 0.048 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

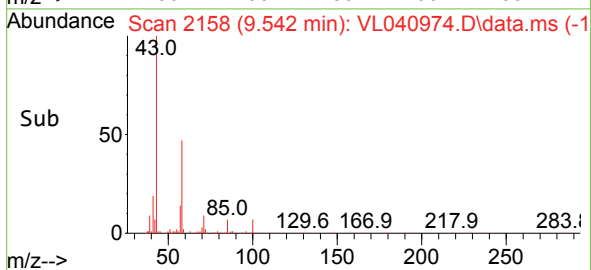
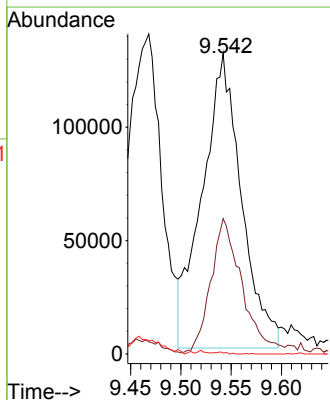
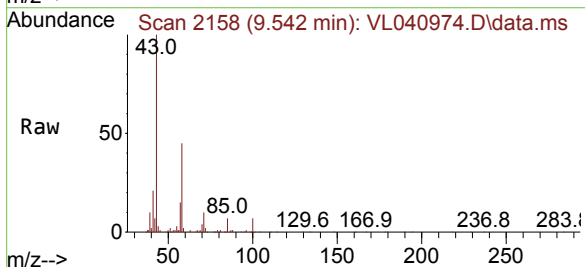
Instrument :
MSVOA_L
ClientSampleId :

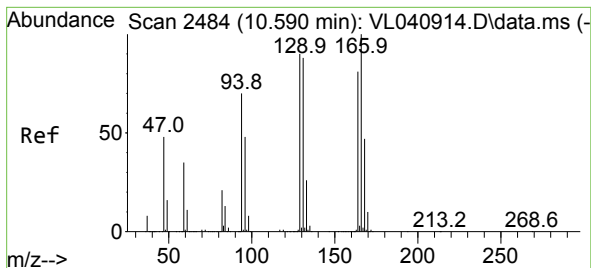
Tgt Ion: 57 Resp: 23485
Ion Ratio Lower Upper
57 100
41 0.0 28.2 42.4#
56 301.9 25.3 37.9#



#51
2-Hexanone
Concen: 1.668 ppbv
RT: 9.542 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion: 43 Resp: 352691
Ion Ratio Lower Upper
43 100
58 37.0 37.3 55.9#
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.046 ppbv

RT: 10.613 min Scan# 2484

Delta R.T. 0.019 min

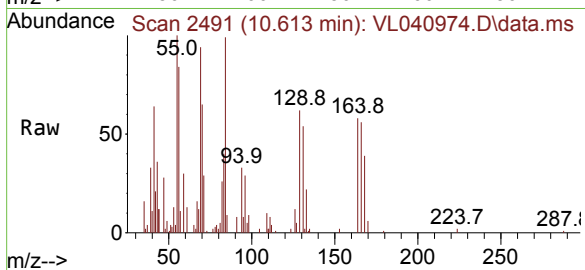
Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 4486

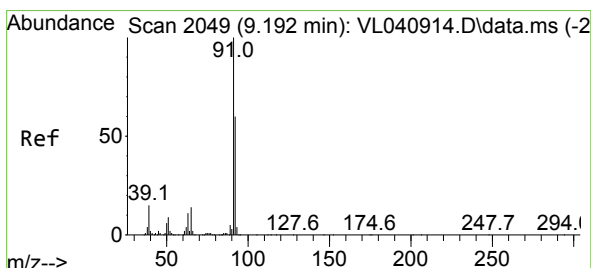
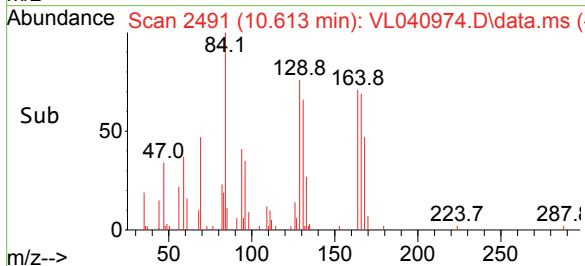
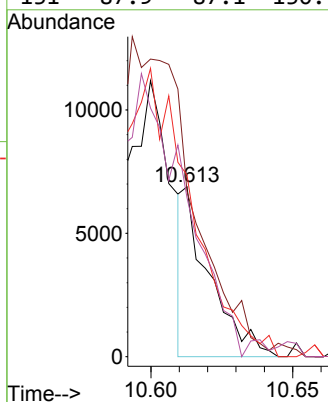
Ion Ratio Lower Upper

164 100

166 89.4 98.9 148.3#

129 106.9 88.7 133.1

131 87.9 87.1 130.7



#53

Toluene

Concen: 1.097 ppbv

RT: 9.204 min Scan# 2053

Delta R.T. 0.006 min

Lab File: VL040974.D

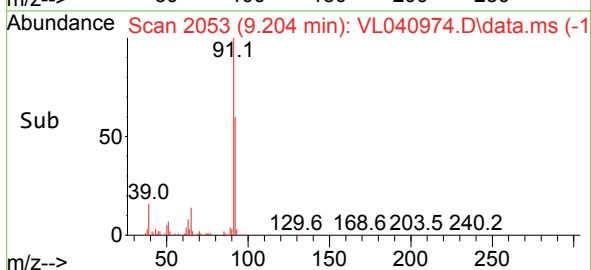
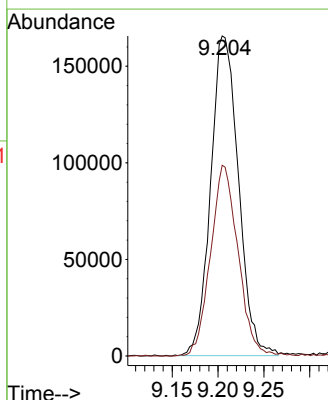
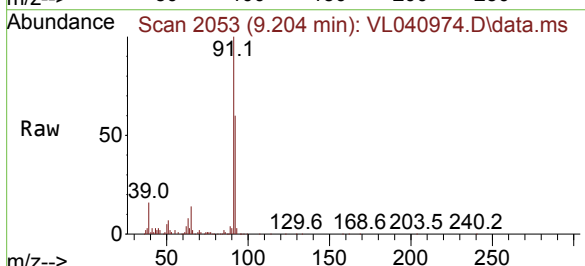
Acq: 15 Jan 2024 17:35

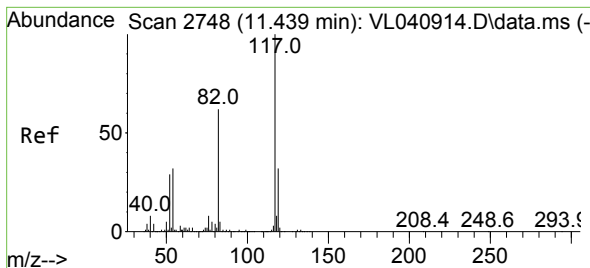
Tgt Ion: 91 Resp: 348672

Ion Ratio Lower Upper

91 100

92 59.1 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :

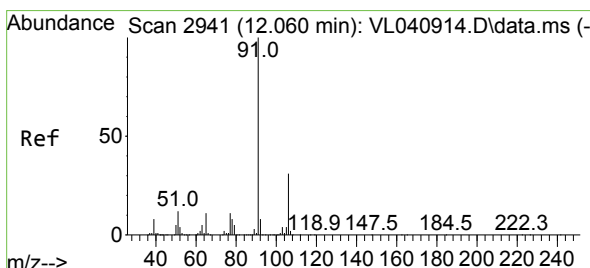
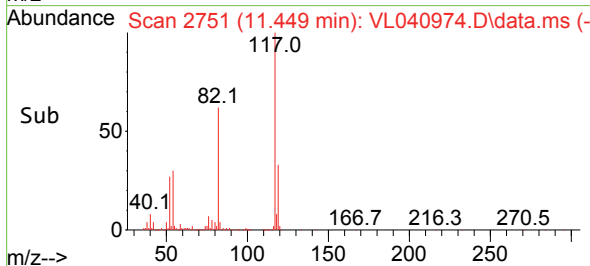
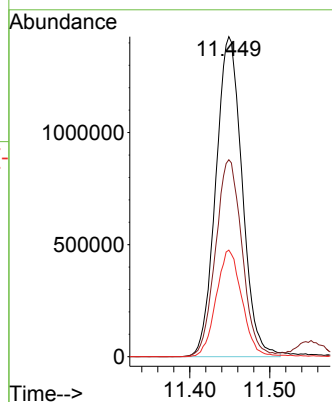
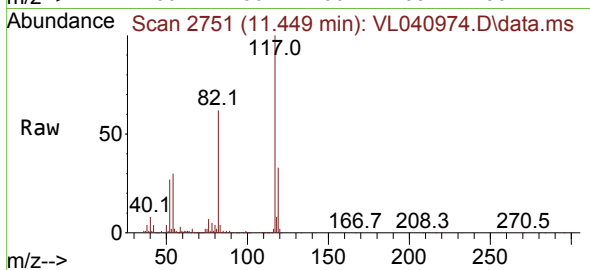
Tgt Ion:117 Resp: 3261869

Ion Ratio Lower Upper

117 100

82 62.3 49.6 74.4

119 33.0 23.4 35.0



#58

Ethyl Benzene

Concen: 0.511 ppbv

RT: 12.072 min Scan# 2945

Delta R.T. 0.010 min

Lab File: VL040974.D

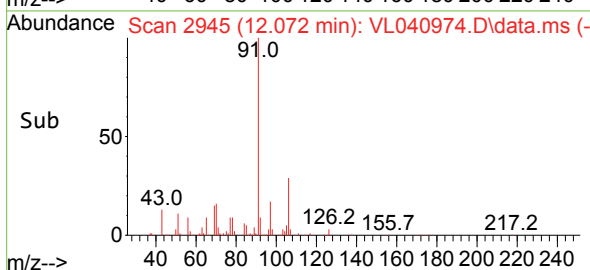
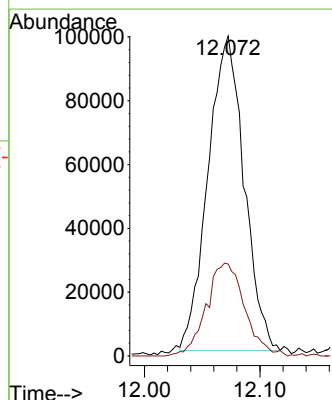
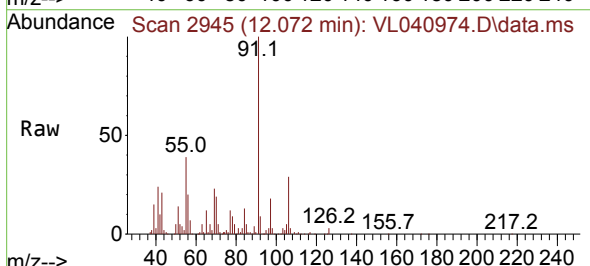
Acq: 15 Jan 2024 17:35

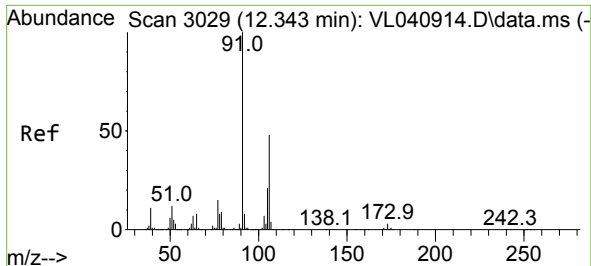
Tgt Ion: 91 Resp: 213940

Ion Ratio Lower Upper

91 100

106 27.9 24.9 37.3





#59

m/p-Xylene

Concen: 2.048 ppbv

RT: 12.326 min Scan# 3024

Delta R.T. -0.023 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

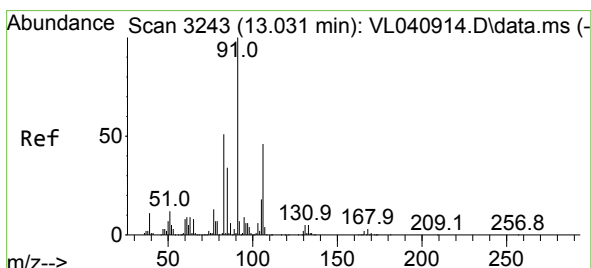
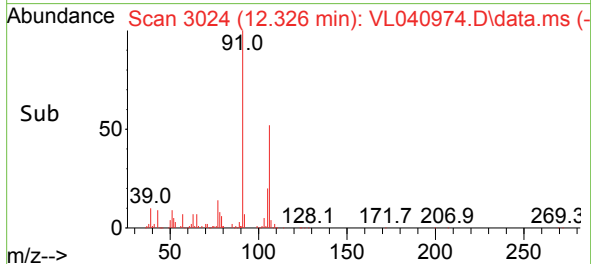
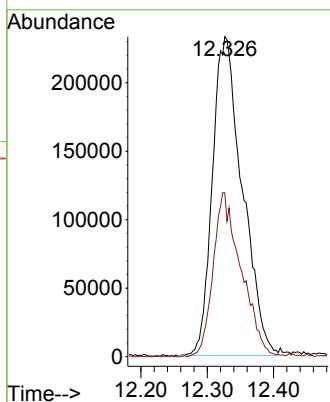
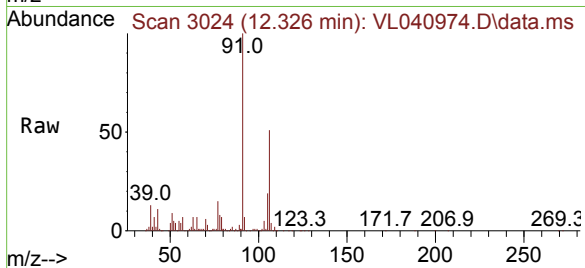
ClientSampleId :

Tgt Ion: 91 Resp: 729719

Ion Ratio Lower Upper

91 100

106 48.8 0.0 0.0#



#60

o-Xylene

Concen: 0.931 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. 0.006 min

Lab File: VL040974.D

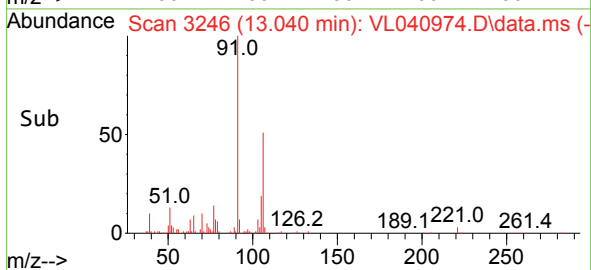
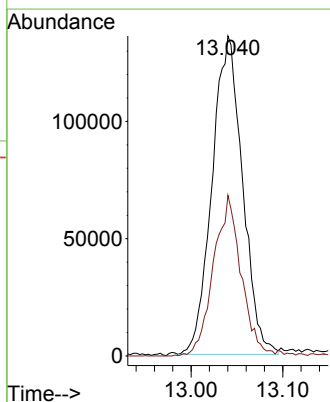
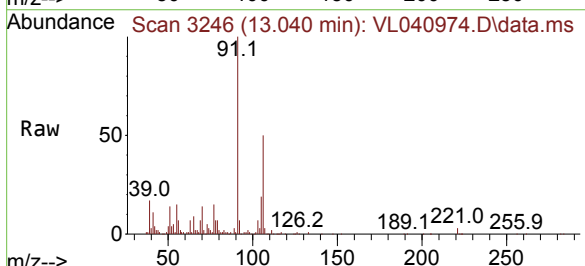
Acq: 15 Jan 2024 17:35

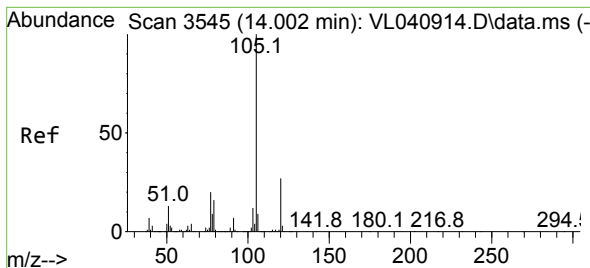
Tgt Ion: 91 Resp: 312711

Ion Ratio Lower Upper

91 100

106 46.0 22.6 67.7





#62

Isopropylbenzene

Concen: 0.068 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. 0.010 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

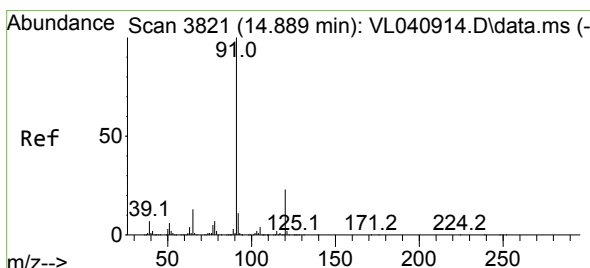
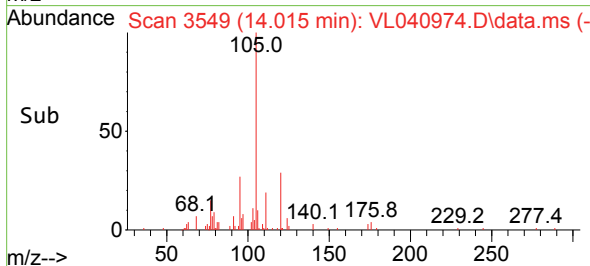
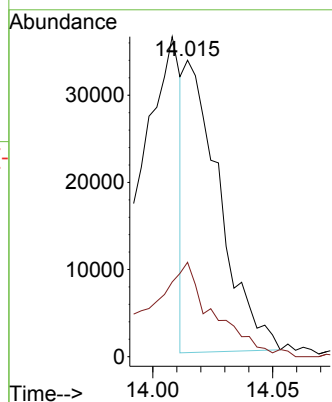
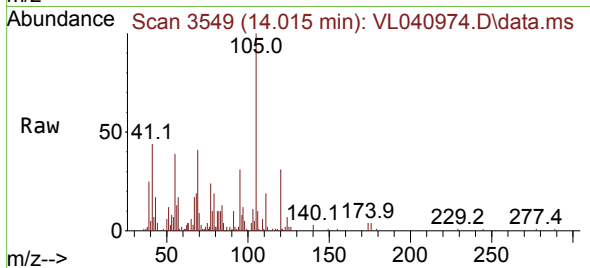
ClientSampleId :

Tgt Ion:105 Resp: 33878

Ion Ratio Lower Upper

105 100

120 64.8 20.7 31.1#



#64

n-propylbenzene

Concen: 0.049 ppbv

RT: 14.902 min Scan# 3825

Delta R.T. 0.010 min

Lab File: VL040974.D

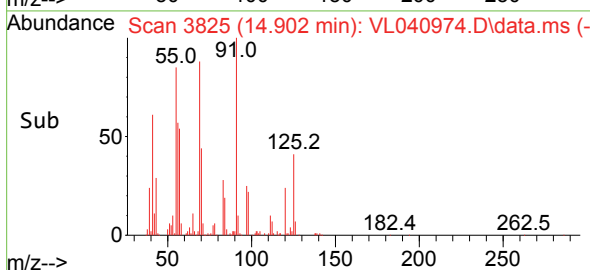
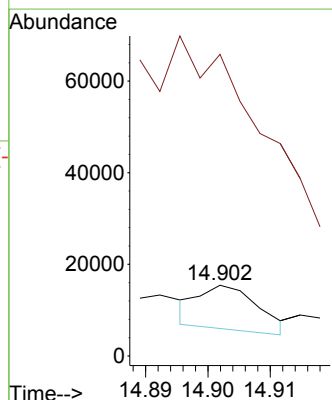
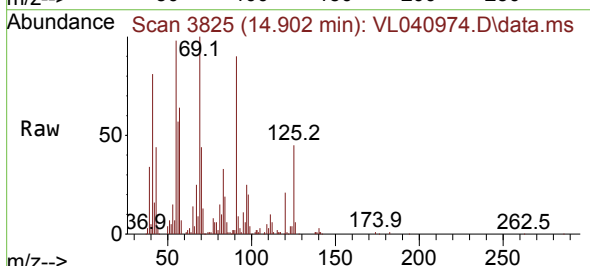
Acq: 15 Jan 2024 17:35

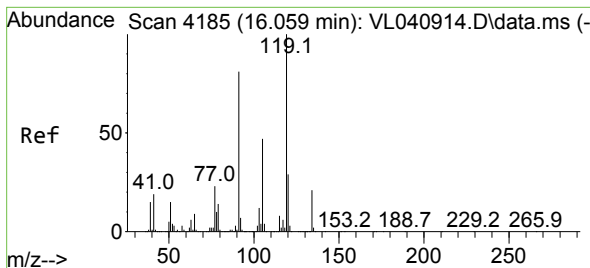
Tgt Ion:120 Resp: 6180

Ion Ratio Lower Upper

120 100

91 0.0 381.9 572.9#





#65

tert-Butylbenzene

Concen: 0.075 ppbv

RT: 16.082 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :

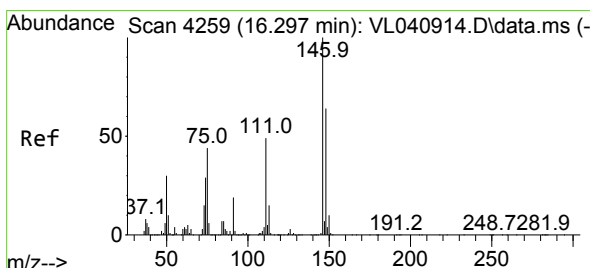
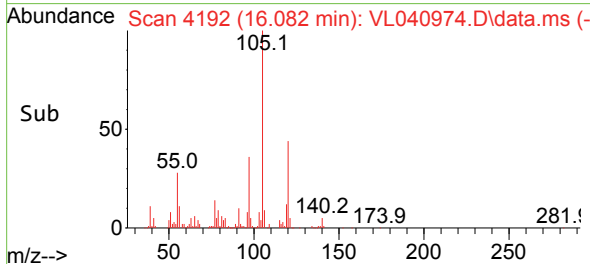
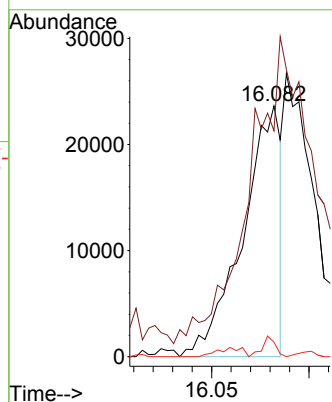
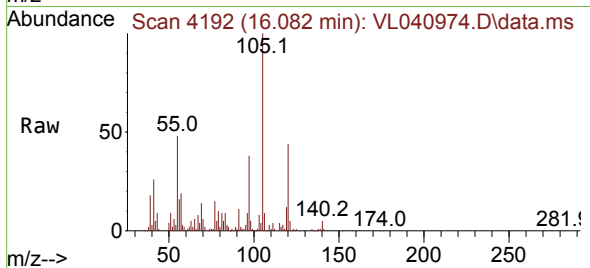
Tgt Ion:119 Resp: 31930

Ion Ratio Lower Upper

119 100

91 0.0 67.2 100.8#

134 6.1 15.8 23.6#



#66

Benzyl Chloride

Concen: 0.041 ppbv

RT: 16.313 min Scan# 4264

Delta R.T. 0.016 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

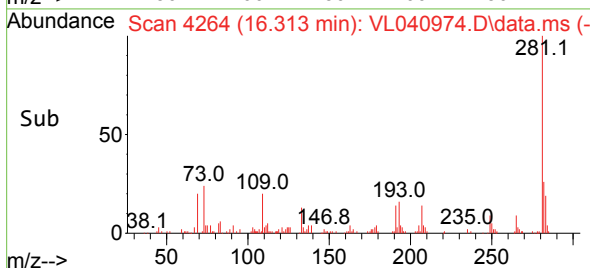
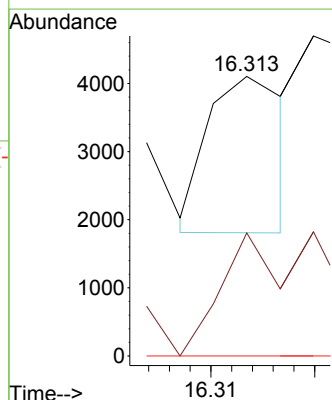
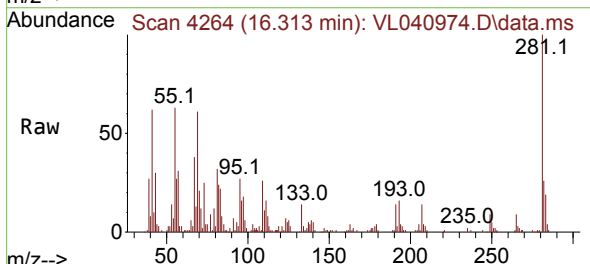
Tgt Ion: 91 Resp: 1195

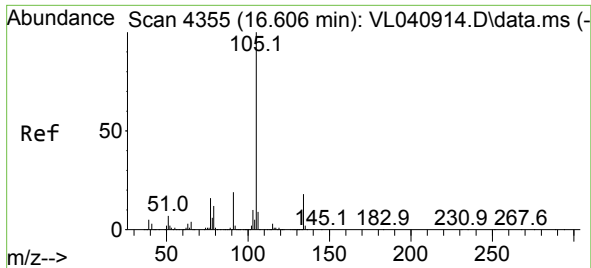
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 0.0 4.6 6.8#

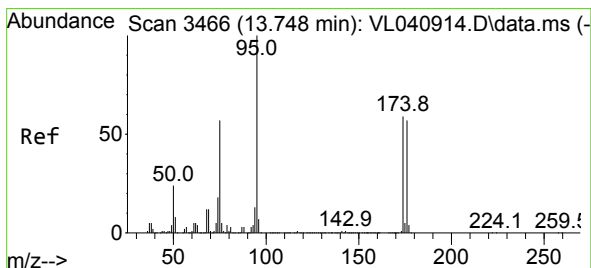
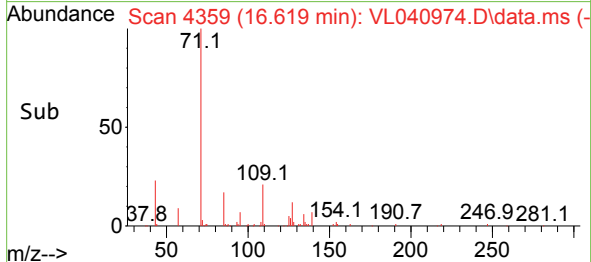
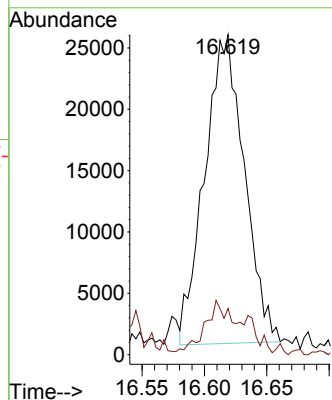
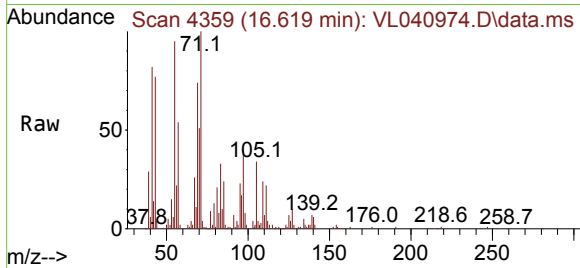




#67
 sec-Butylbenzene
 Concen: 0.091 ppbv
 RT: 16.619 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

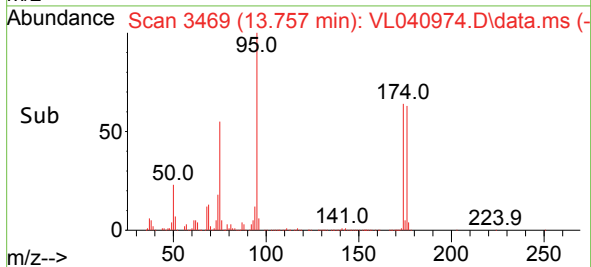
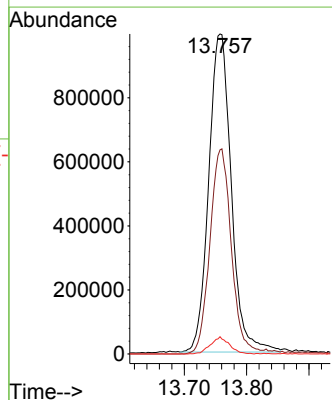
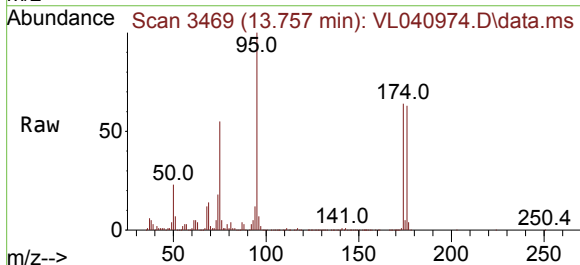
Instrument :
 MSVOA_L
 ClientSampleId :

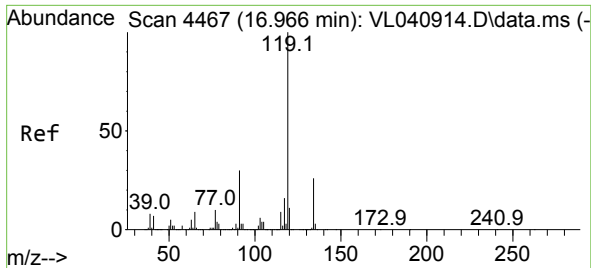
Tgt Ion:105 Resp: 55723
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.405 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. 0.003 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

Tgt Ion: 95 Resp: 2499968
 Ion Ratio Lower Upper
 95 100
 174 61.9 48.0 72.0
 175 4.6 3.7 5.5

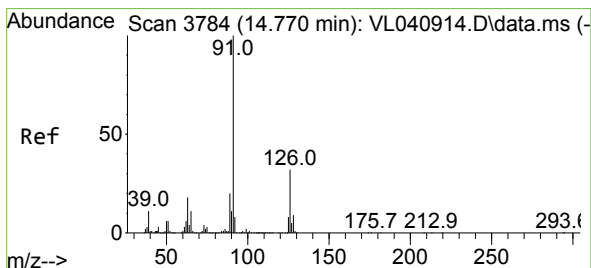
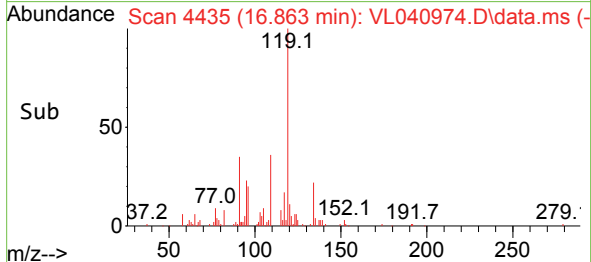
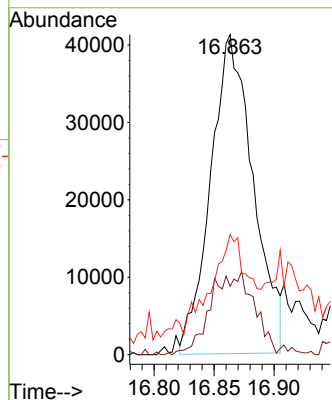
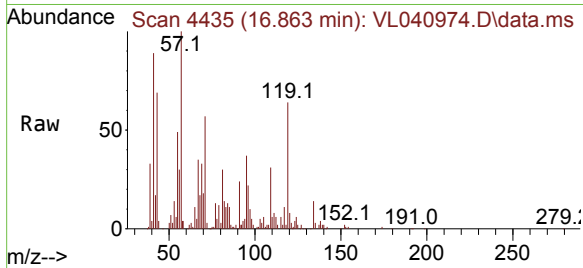




#69
 p-Isopropyltoluene
 Concen: 0.213 ppbv
 RT: 16.863 min Scan# 4435
 Delta R.T. -0.106 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

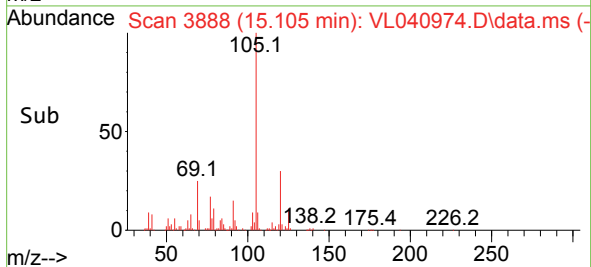
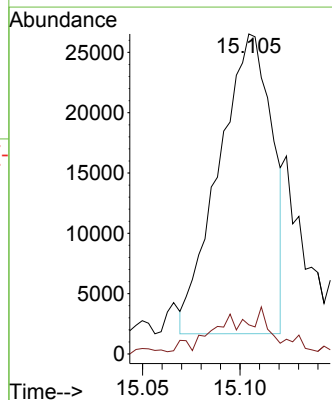
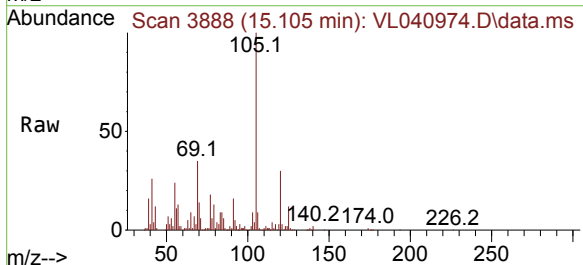
Instrument :
 MSVOA_L
 ClientSampleId :

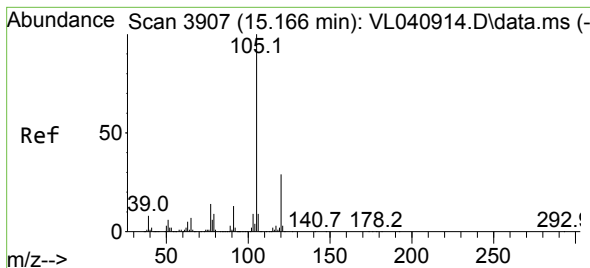
Tgt Ion:119 Resp: 101803
 Ion Ratio Lower Upper
 119 100
 134 27.3 20.3 30.5
 91 30.1 24.1 36.1



#71
 2-Chlorotoluene
 Concen: 0.123 ppbv
 RT: 15.105 min Scan# 3888
 Delta R.T. 0.328 min
 Lab File: VL040974.D
 Acq: 15 Jan 2024 17:35

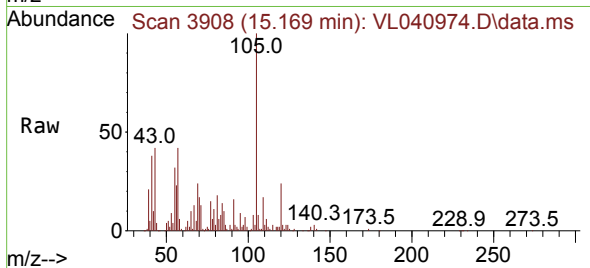
Tgt Ion: 91 Resp: 47325
 Ion Ratio Lower Upper
 91 100
 126 17.5 12.4 49.6



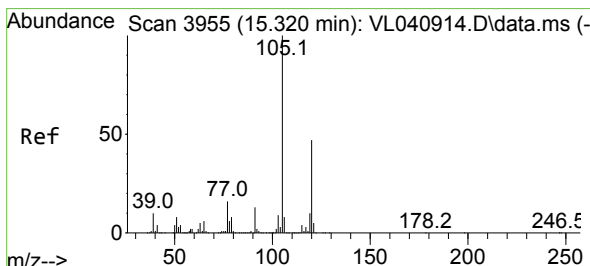
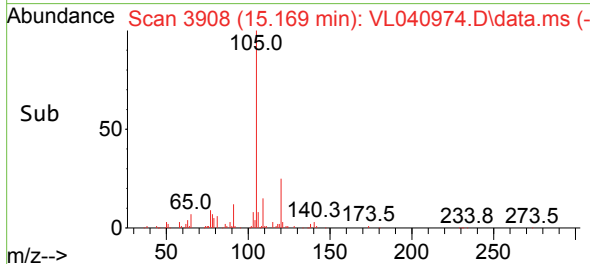
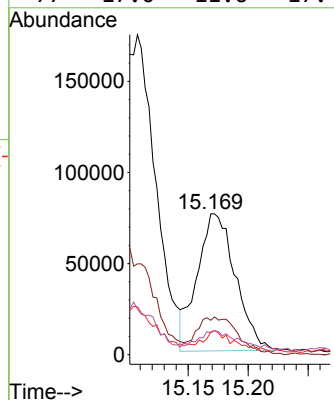


#72
4-Ethyltoluene
Concen: 0.453 ppbv
RT: 15.169 min Scan# 3908
Delta R.T. -0.000 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Instrument :
MSVOA_L
ClientSampleId :

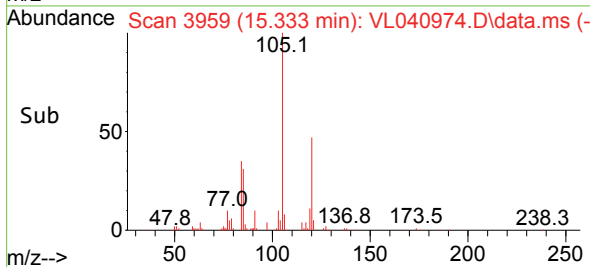
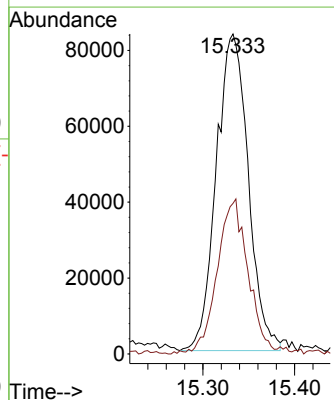
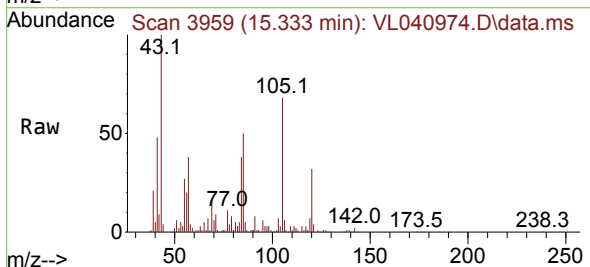


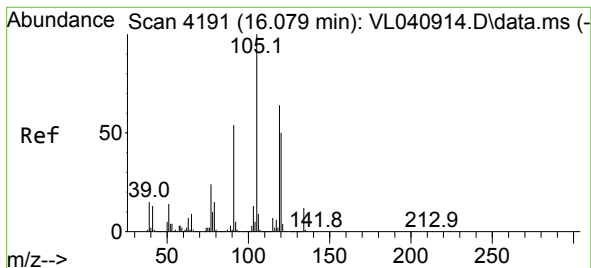
Tgt Ion:105 Resp: 167040
Ion Ratio Lower Upper
105 100
120 29.4 23.8 35.8
91 17.2 10.9 16.3#
77 17.0 11.6 17.4



#73
1,3,5-Trimethylbenzene
Concen: 0.637 ppbv
RT: 15.333 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VL040974.D
Acq: 15 Jan 2024 17:35

Tgt Ion:105 Resp: 202733
Ion Ratio Lower Upper
105 100
120 46.5 37.8 56.8





#74

1,2,4-Trimethylbenzene

Concen: 1.398 ppbv

RT: 16.085 min Scan# 4191

Delta R.T. -0.000 min

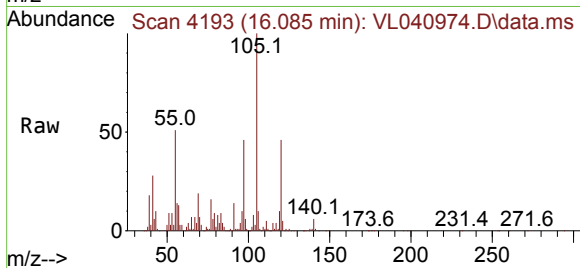
Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 494877

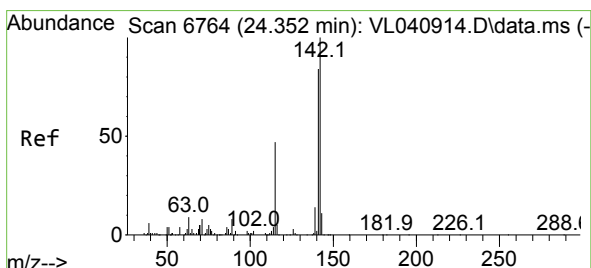
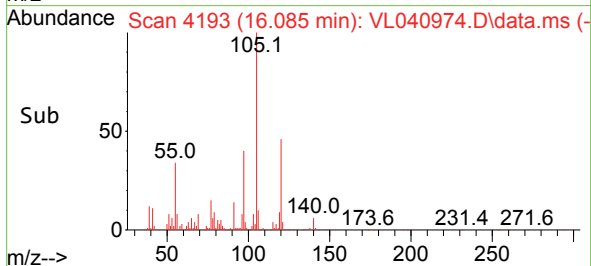
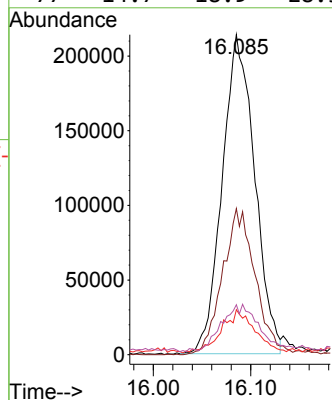
Ion Ratio Lower Upper

105 100

120 45.8 40.2 60.4

91 13.2 43.0 64.6#

77 14.7 18.9 28.3#



#80

Naphthalene,2-methyl-

Concen: 0.032 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.035 min

Lab File: VL040974.D

Acq: 15 Jan 2024 17:35

Tgt Ion:142 Resp: 1004

Ion Ratio Lower Upper

142 100

141 21.8 68.5 102.7#

115 0.0 34.5 51.7#

