

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040782.D
 Acq On : 23 Oct 2023 17:16
 Operator : SY/MD
 Sample : 05004-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 24 05:36:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	876298	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2439616	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2183602	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1645251	10.240	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	80999	0.525	ppbv	96
3) Chlorodifluoromethane	2.658	51	1175874	9.131	ppbv #	62
4) Chloromethane	2.816	50	46604	0.916	ppbv #	84
9) Propene	2.877	41	151642	3.170	ppbv	90
10) Heptane	7.568	43	63176	0.526	ppbv	94
11) Trichlorofluoromethane	3.558	101	43740	0.367	ppbv #	83
12) 1,1,2-Trichlorotrifluo...	4.060	101	6338	0.075	ppbv	93
13) Ethanol	3.240	45	1070207	99.113	ppbv	99
15) Acetone	3.465	43	1592294	17.577	ppbv	99
16) 1,3-Butadiene	2.986	39	2586	0.054	ppbv #	1
17) tert-Butyl alcohol	3.578	59	213525	2.299	ppbv	97
19) Isopropyl Alcohol	3.578	45	5481924	94.002	ppbv #	39
20) Methylene Chloride	3.928	84	129525	3.432	ppbv	99
21) Allyl Chloride	3.883	41	8034	0.134	ppbv #	21
23) Vinyl Acetate	4.607	43	76970	0.667	ppbv #	45
25) Ethyl Acetate	5.205	43	143461	0.723	ppbv #	90
26) Hexane	5.205	57	157983	1.742	ppbv #	49
27) Carbon Disulfide	4.118	76	6810	0.068	ppbv #	1
29) Chloroform	5.263	83	83201	0.634	ppbv	93
30) Cyclohexane	6.587	84	7901	0.102	ppbv #	24
32) 1,1,1-Trichloroethane	5.992	97	214299	1.534	ppbv	98
34) 2-Butanone	4.780	43	95155	0.862	ppbv	96
35) Carbon Tetrachloride	6.481	117	4368	0.032	ppbv #	24
36) Benzene	6.359	78	66973	0.357	ppbv #	92
37) 1,2-Dichloroethane	5.796	62	30547	0.318	ppbv	97
39) 1,2-Dichloropropane	6.642	63	575510	7.850	ppbv #	26
41) Tetrahydrofuran	5.555	42	2786	0.036	ppbv #	42
43) Methyl Methacrylate	7.465	69	45499	0.606	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	75124	0.237	ppbv #	1
50) 4-Methyl-2-Pentanone	8.182	43	109915	0.582	ppbv	99
51) 2-Hexanone	9.523	43	6226	0.043	ppbv #	29
52) Tetrachloroethene	10.600	164	8767	0.115	ppbv	86
53) Toluene	9.201	91	774332	3.467	ppbv	99
58) Ethyl Benzene	12.073	91	304965	1.109	ppbv	94
59) m/p-Xylene	12.323	91	905688	4.003	ppbv	96
60) o-Xylene	13.040	91	259942	1.206	ppbv	98
61) Styrene	12.880	104	8335	0.070	ppbv #	39
69) p-Isopropyltoluene	16.969	119	26922	0.078	ppbv #	47
72) 4-Ethyltoluene	15.172	105	22021	0.087	ppbv #	45
73) 1,3,5-Trimethylbenzene	15.333	105	26811	0.121	ppbv	95
74) 1,2,4-Trimethylbenzene	16.082	105	66818	0.275	ppbv #	75
75) 1,3-Dichlorobenzene	16.458	146	51846	0.343	ppbv	89
76) 1,4-Dichlorobenzene	16.458	146	51846	0.347	ppbv	88

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QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

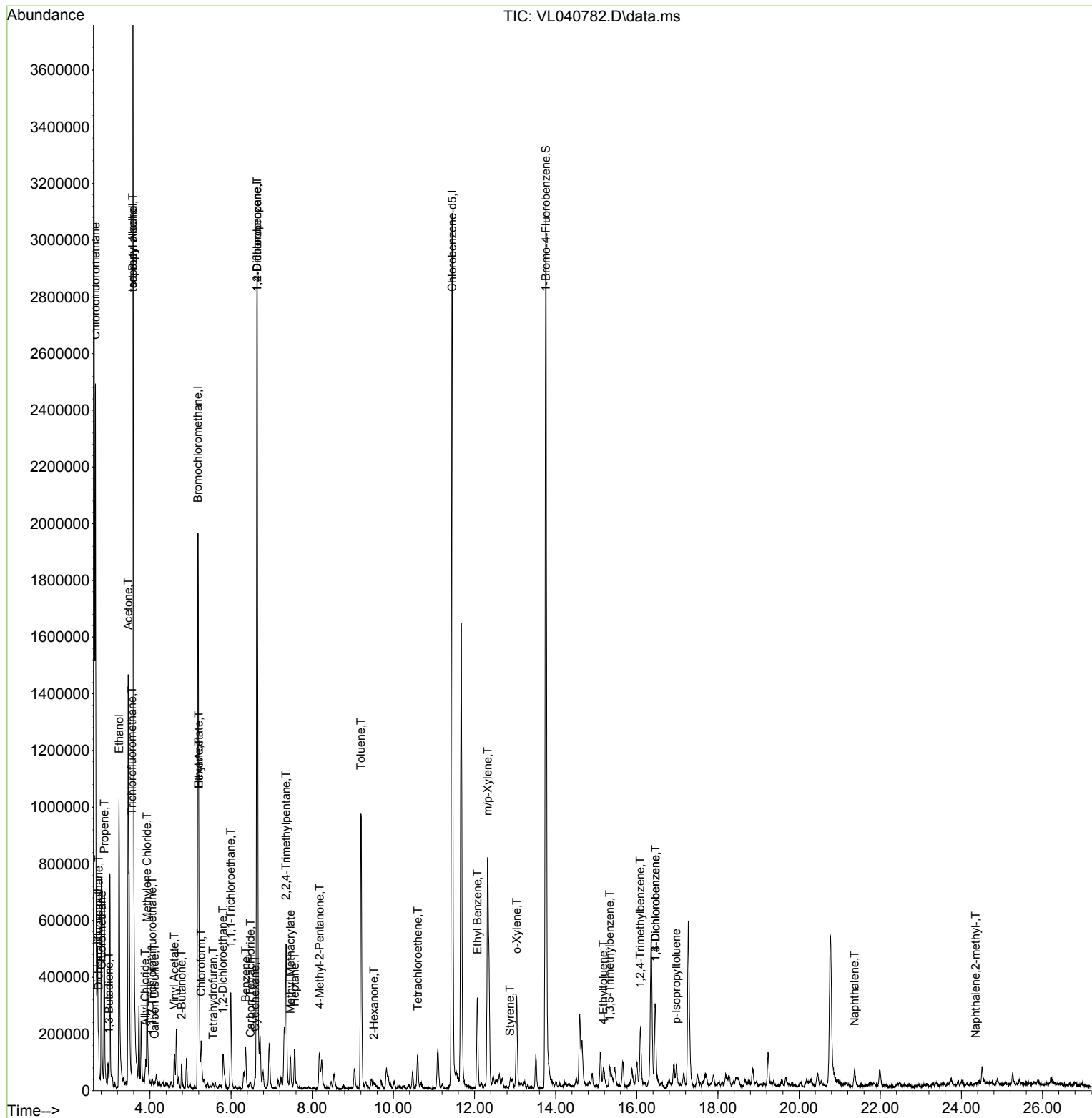
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.365	128	33029	0.167	ppbv #	96
80) Naphthalene,2-methyl-	24.352	142	3520	0.064	ppbv #	67

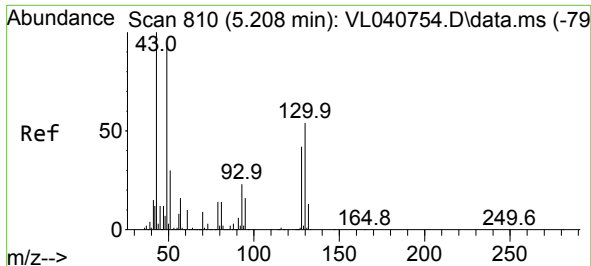
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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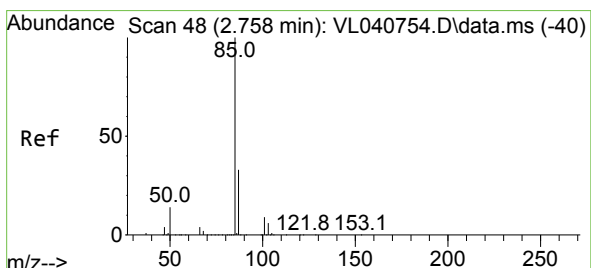
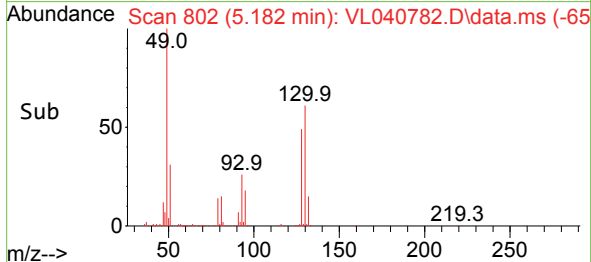
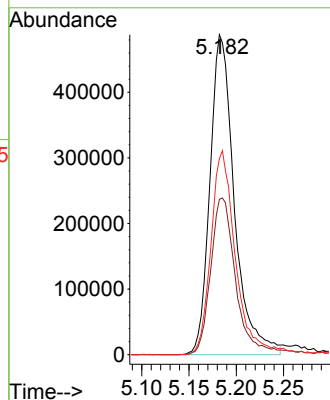
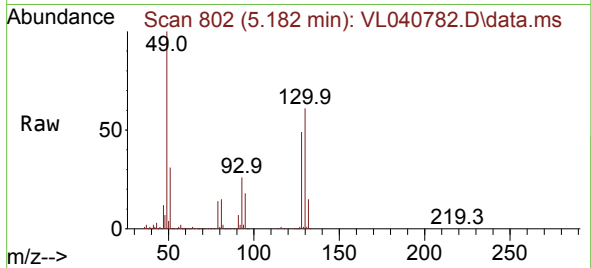




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. -0.026 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

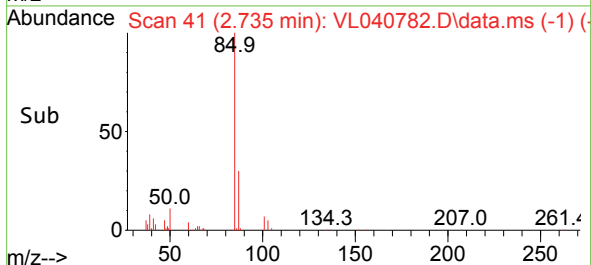
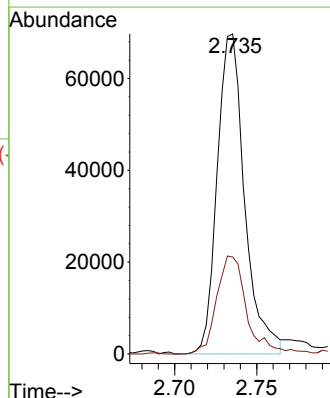
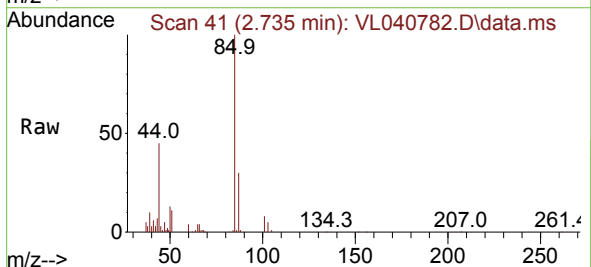
Instrument :
 MSVOA_L
 ClientSampleId :

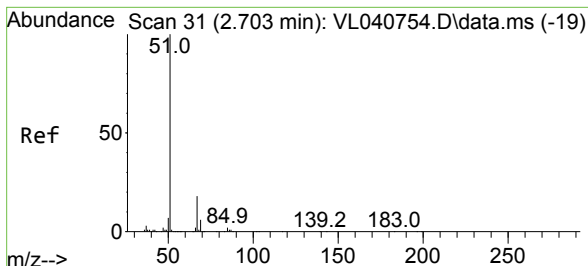
Tgt Ion: 49 Resp: 876298
 Ion Ratio Lower Upper
 49 100
 128 51.5 23.9 71.7
 130 66.0 30.7 92.1



#2
 Dichlorodifluoromethane
 Concen: 0.525 ppbv
 RT: 2.735 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

Tgt Ion: 85 Resp: 80999
 Ion Ratio Lower Upper
 85 100
 87 30.3 26.0 39.0

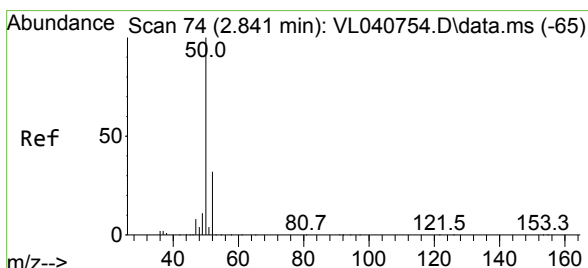
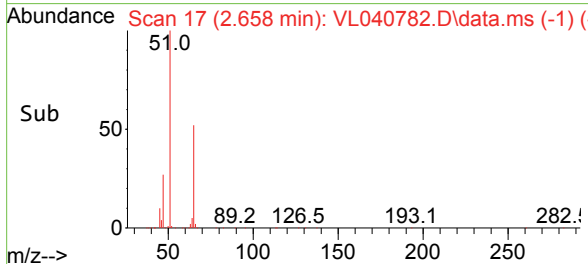
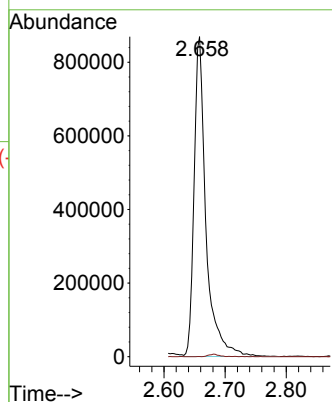
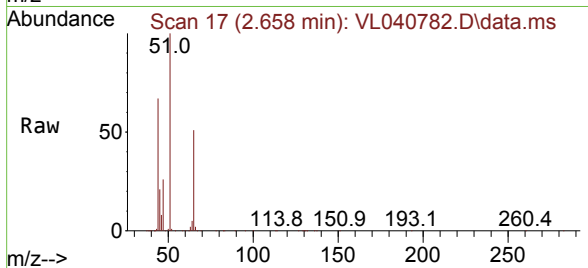




#3
Chlorodifluoromethane
Concen: 9.131 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.045 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

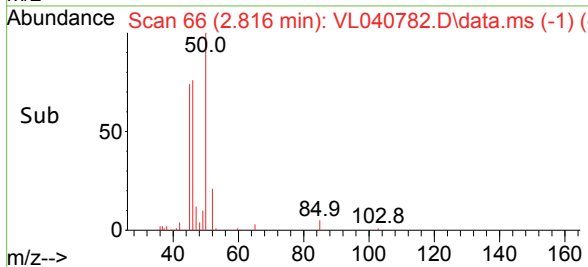
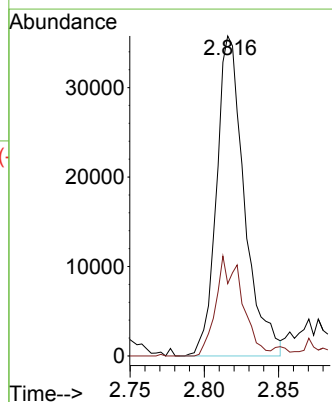
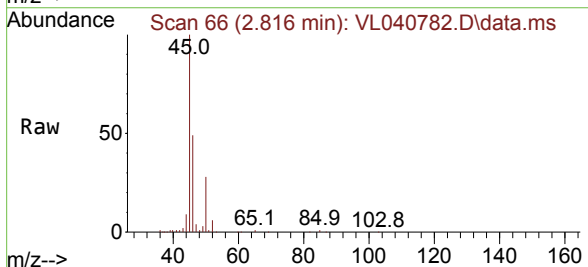
Instrument :
MSVOA_L
ClientSampleId :

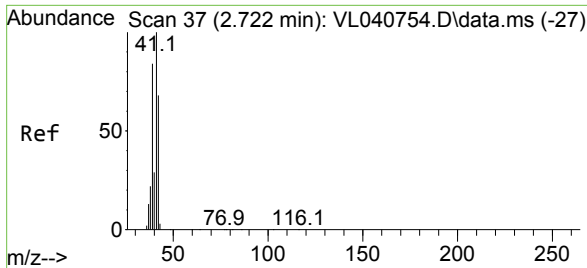
Tgt Ion: 51 Resp: 1175874
Ion Ratio Lower Upper
51 100
67 0.8 13.8 20.6#



#4
Chloromethane
Concen: 0.916 ppbv
RT: 2.816 min Scan# 66
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 50 Resp: 46604
Ion Ratio Lower Upper
50 100
52 22.6 25.3 37.9#





#9

Propene

Concen: 3.170 ppbv

RT: 2.877 min Scan# 81

Delta R.T. 0.154 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

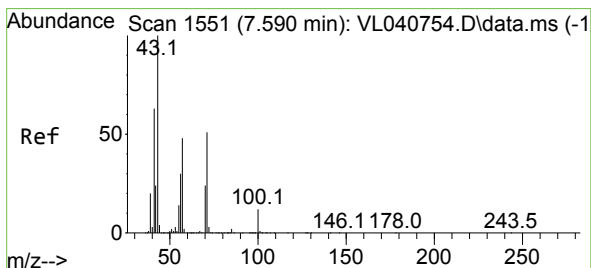
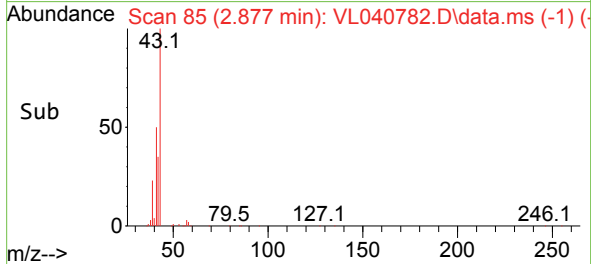
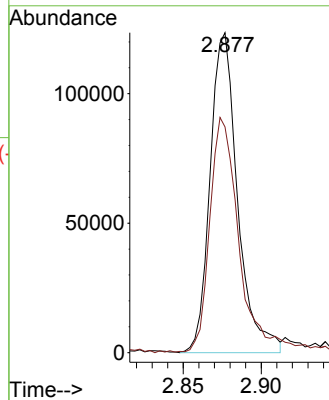
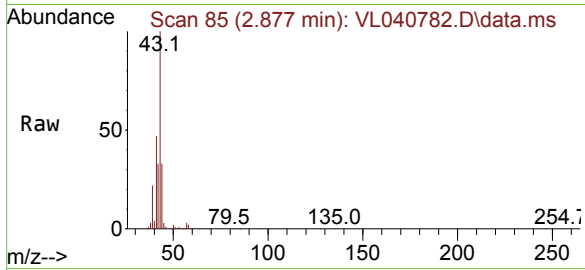
ClientSampleId :

Tgt Ion: 41 Resp: 151642

Ion Ratio Lower Upper

41 100

42 79.5 57.1 85.7



#10

Heptane

Concen: 0.526 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.022 min

Lab File: VL040782.D

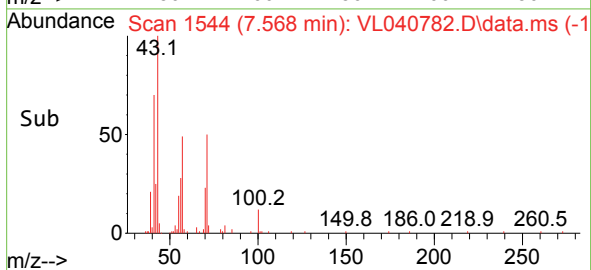
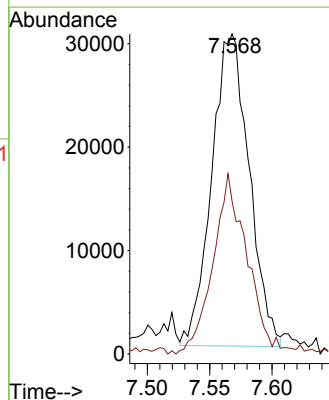
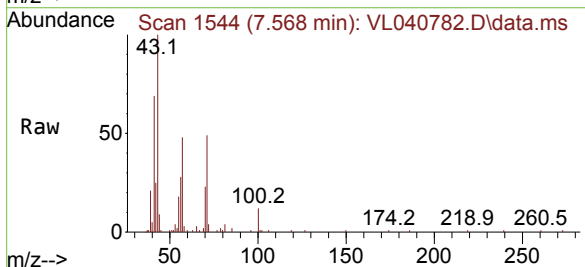
Acq: 23 Oct 2023 17:16

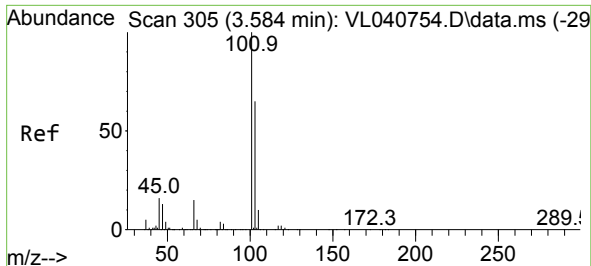
Tgt Ion: 43 Resp: 63176

Ion Ratio Lower Upper

43 100

57 53.9 40.0 60.0

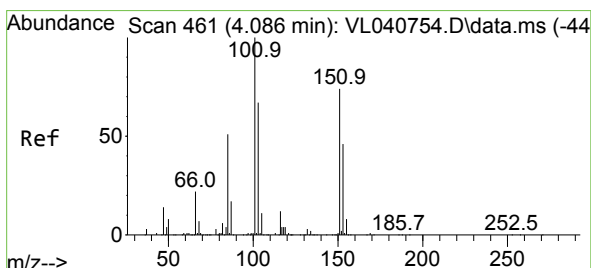
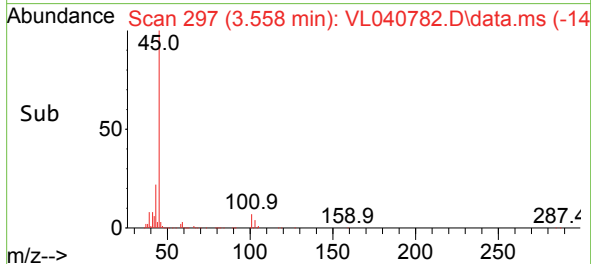
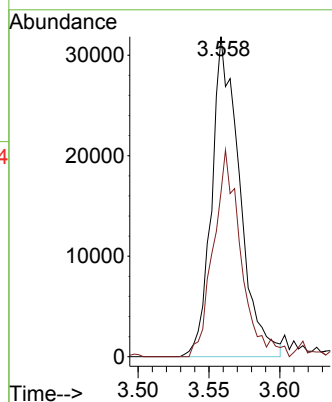
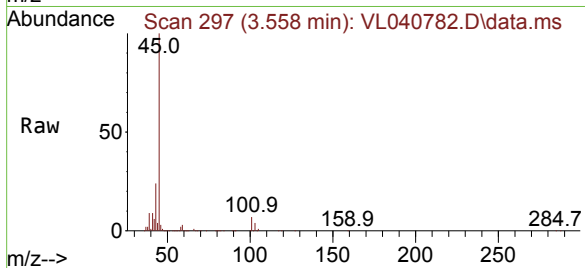




#11
 Trichlorofluoromethane
 Concen: 0.367 ppbv
 RT: 3.558 min Scan# 24
 Delta R.T. -0.026 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

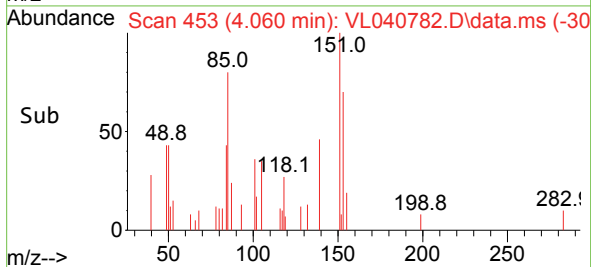
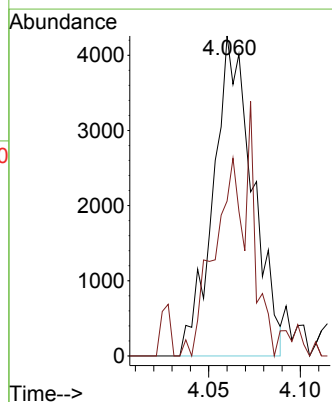
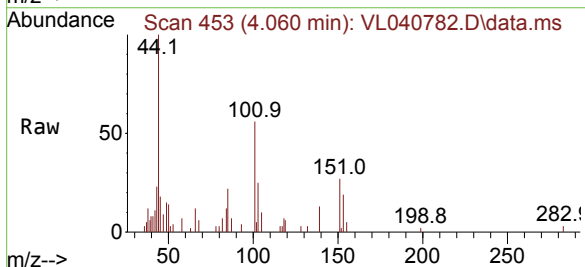
Instrument :
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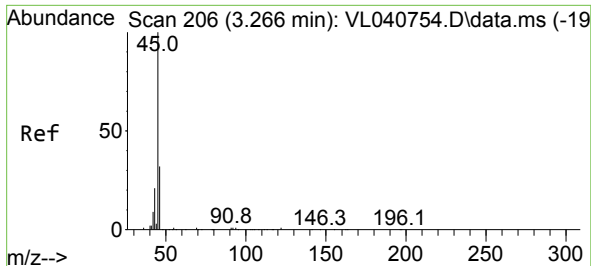
Tgt Ion:101 Resp: 43740
 Ion Ratio Lower Upper
 101 100
 103 51.4 52.2 78.2#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.075 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.026 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

Tgt Ion:101 Resp: 6338
 Ion Ratio Lower Upper
 101 100
 151 66.7 58.1 87.1

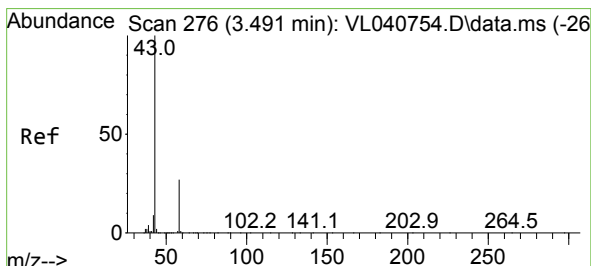
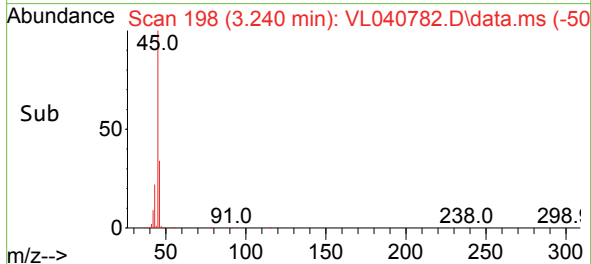
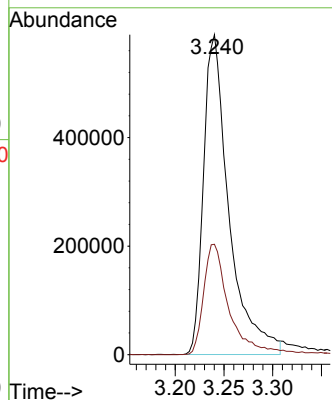
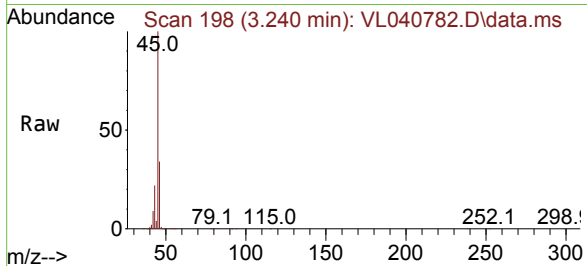




#13
Ethanol
Concen: 99.113 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

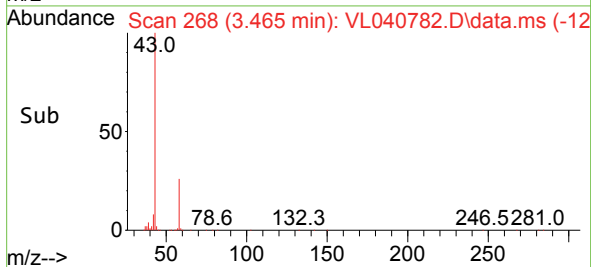
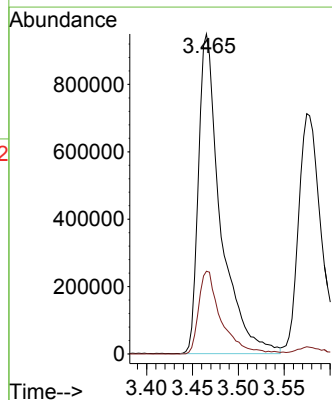
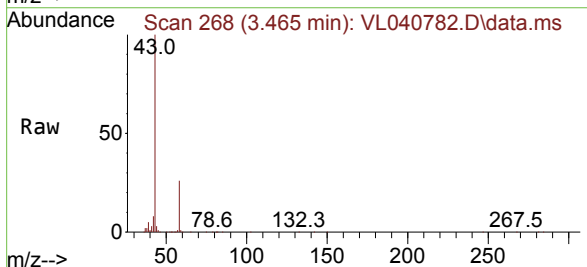
Instrument :
MSVOA_L
ClientSampleId :

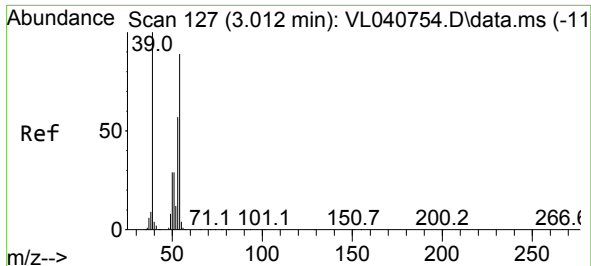
Tgt Ion: 45 Resp: 1070207
Ion Ratio Lower Upper
45 100
46 35.8 14.6 58.2



#15
Acetone
Concen: 17.577 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 43 Resp: 1592294
Ion Ratio Lower Upper
43 100
58 26.3 21.6 32.4

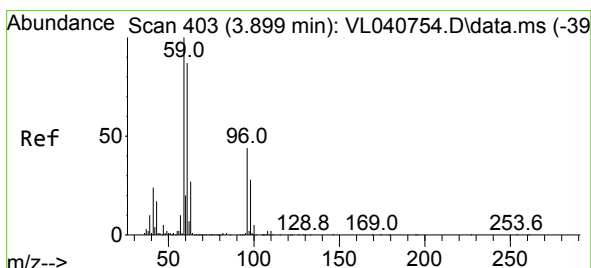
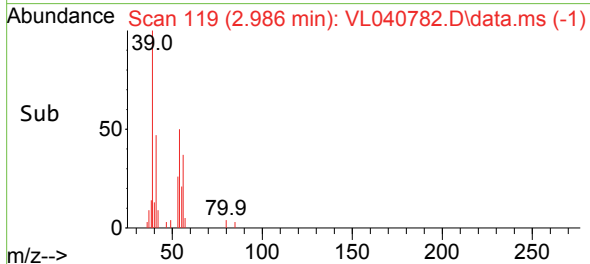
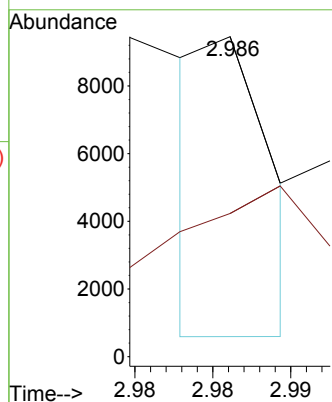
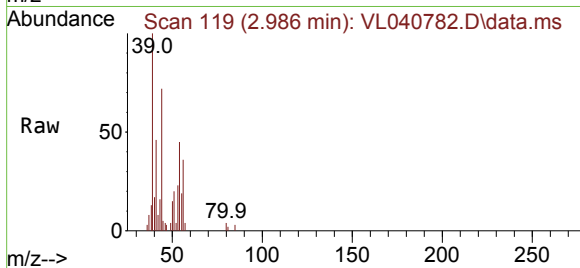




#16
1,3-Butadiene
Concen: 0.054 ppbv
RT: 2.986 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

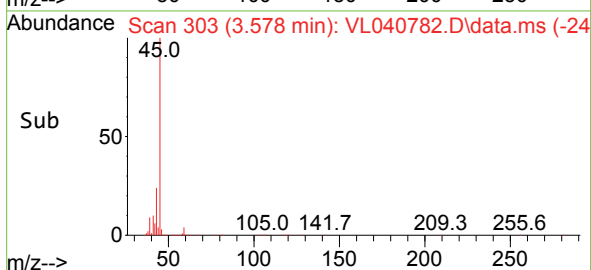
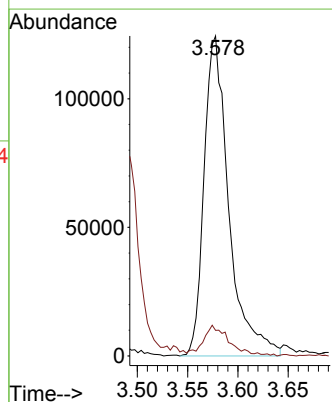
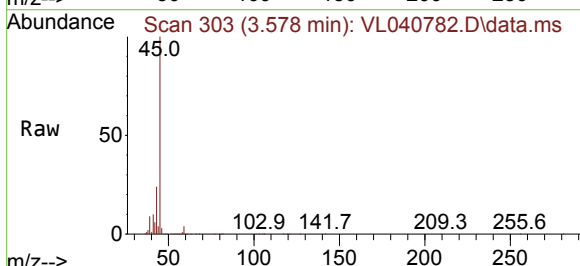
Instrument :
MSVOA_L
ClientSampleId :

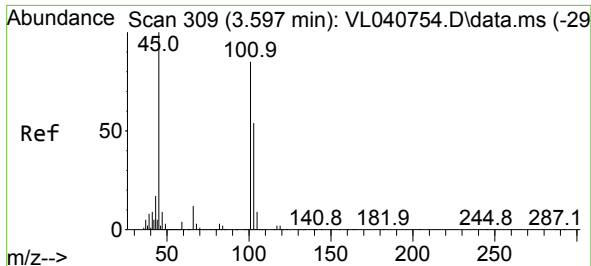
Tgt Ion: 39 Resp: 2586
Ion Ratio Lower Upper
39 100
54 299.5 63.0 94.6#



#17
tert-Butyl alcohol
Concen: 2.299 ppbv
RT: 3.578 min Scan# 303
Delta R.T. -0.321 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 59 Resp: 213525
Ion Ratio Lower Upper
59 100
57 9.8 8.6 13.0





#19

Isopropyl Alcohol

Concen: 94.002 ppbv

RT: 3.578 min Scan# 309

Delta R.T. -0.019 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

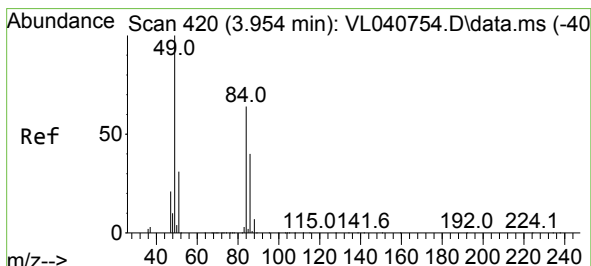
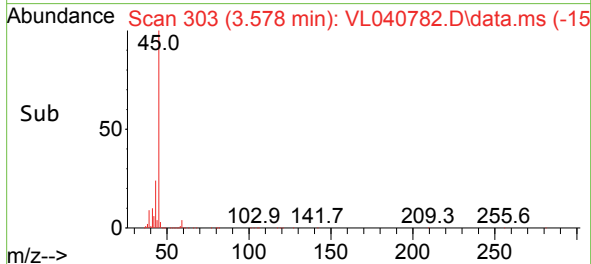
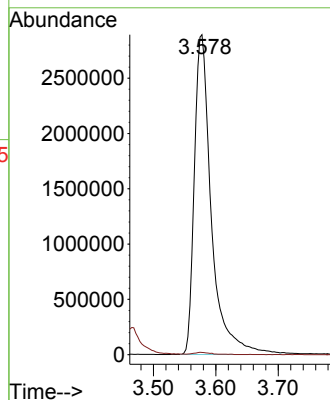
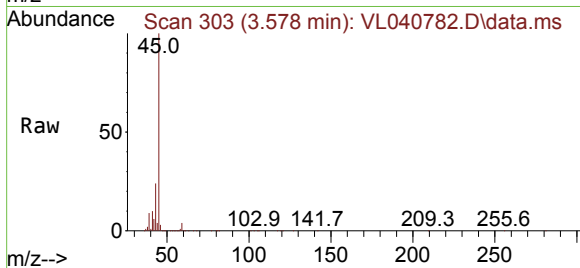
ClientSampleId :

Tgt Ion: 45 Resp: 5481924

Ion Ratio Lower Upper

45 100

58 0.9 30.3 45.5#



#20

Methylene Chloride

Concen: 3.432 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Tgt Ion: 84 Resp: 129525

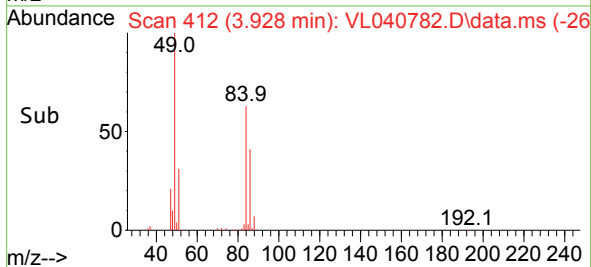
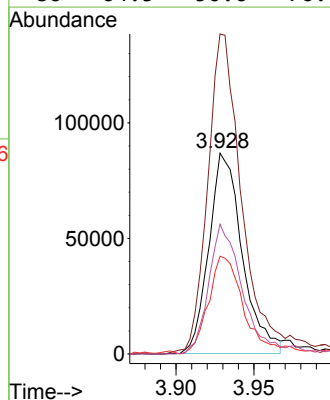
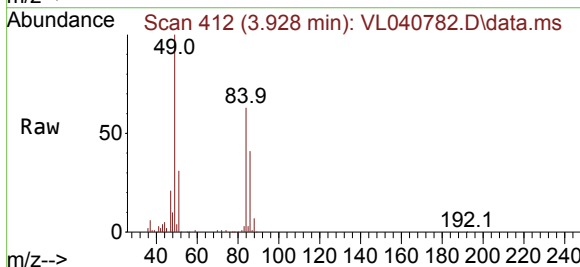
Ion Ratio Lower Upper

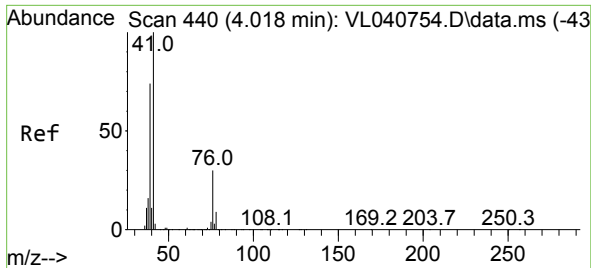
84 100

49 157.7 125.6 188.4

51 48.8 38.9 58.3

86 64.5 50.6 76.0

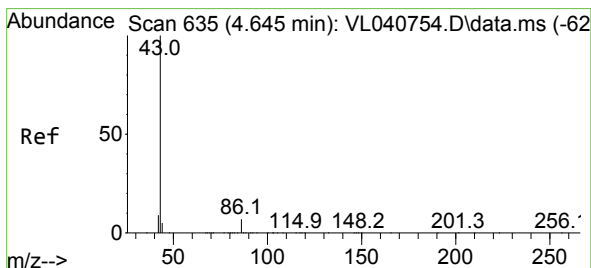
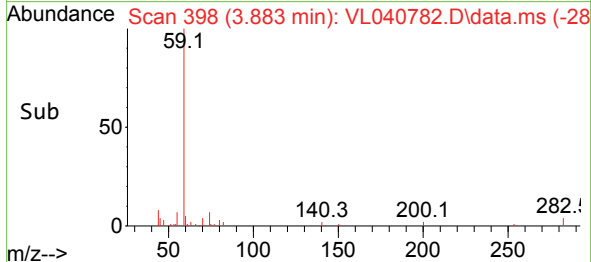
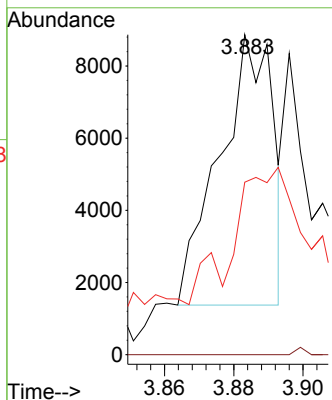
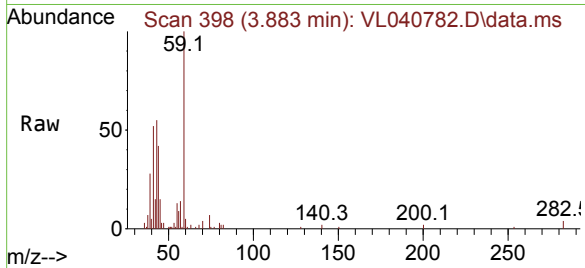




#21
 Allyl Chloride
 Concen: 0.134 ppbv
 RT: 3.883 min Scan# 391
 Delta R.T. -0.135 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

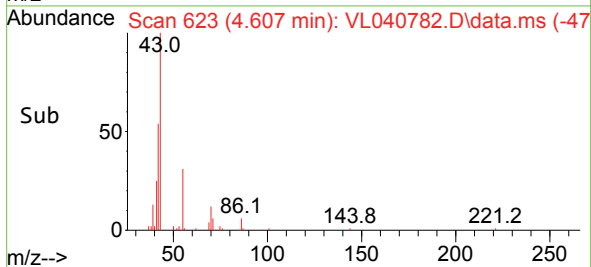
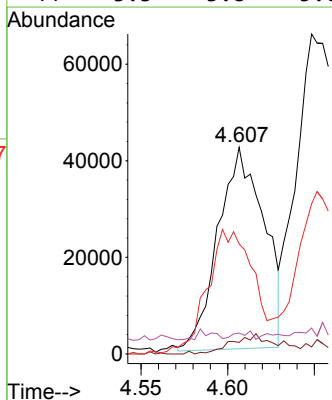
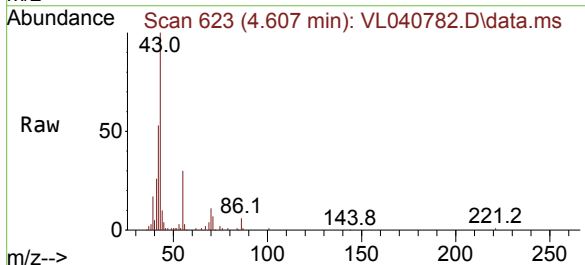
Instrument :
 MSVOA_L
 ClientSampleId :

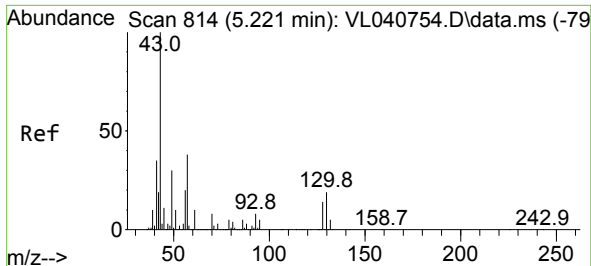
Tgt Ion: 41 Resp: 8034
 Ion Ratio Lower Upper
 41 100
 76 2.9 24.1 36.1#
 39 0.0 63.8 95.6#



#23
 Vinyl Acetate
 Concen: 0.667 ppbv
 RT: 4.607 min Scan# 623
 Delta R.T. -0.039 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

Tgt Ion: 43 Resp: 76970
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.9 7.3
 42 51.8 7.8 11.6#
 44 3.3 3.8 5.6#





#25

Ethyl Acetate

Concen: 0.723 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.016 min

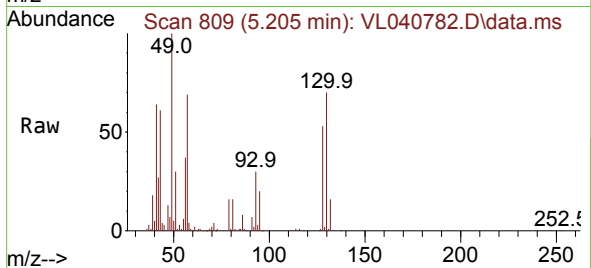
Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 143461

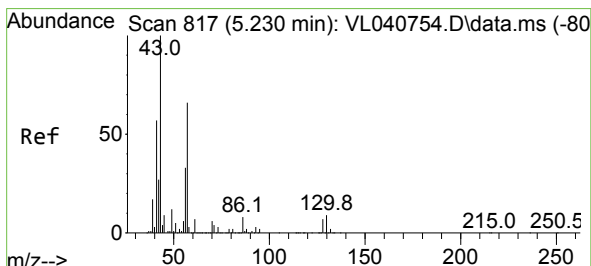
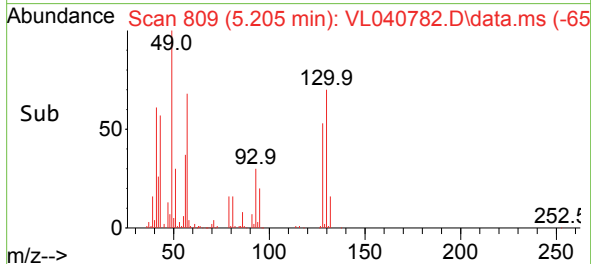
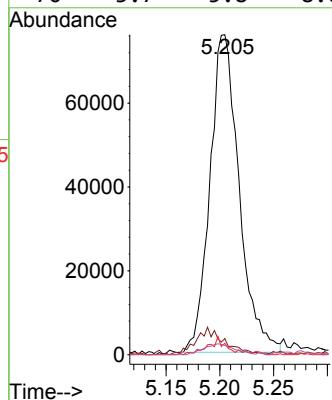
Ion Ratio Lower Upper

43 100

45 8.7 8.2 12.4

61 3.9 8.2 12.2#

70 3.7 5.8 8.6#



#26

Hexane

Concen: 1.742 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Tgt Ion: 57 Resp: 157983

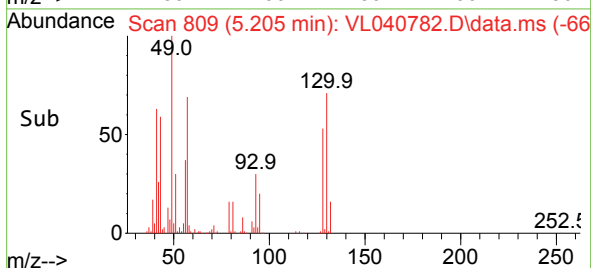
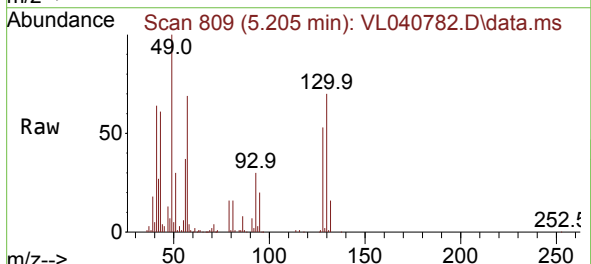
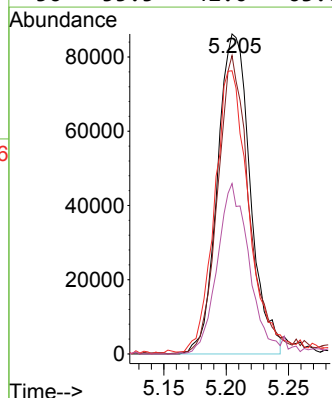
Ion Ratio Lower Upper

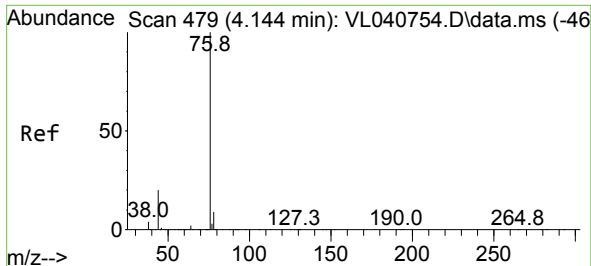
57 100

41 93.2 71.4 107.2

43 97.3 182.3 273.5#

56 55.5 42.0 63.0

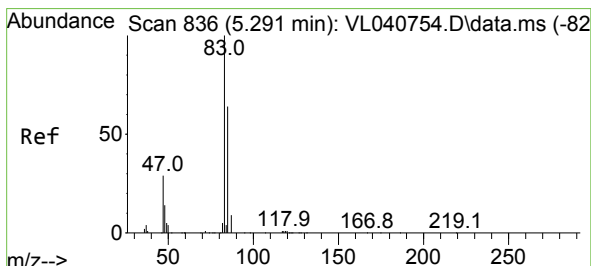
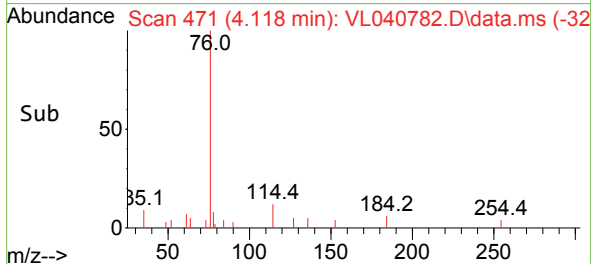
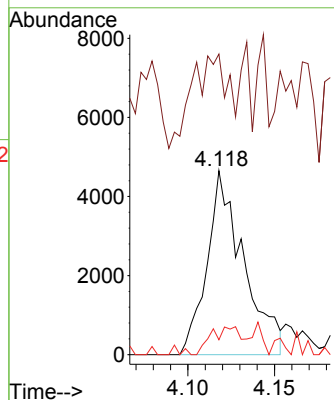
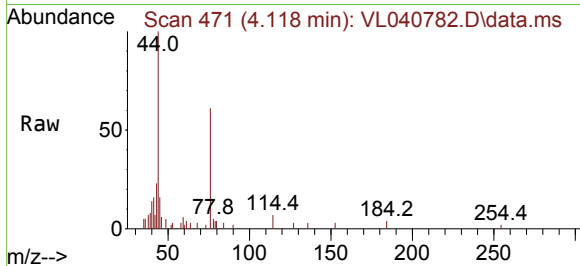




#27
Carbon Disulfide
Concen: 0.068 ppbv
RT: 4.118 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

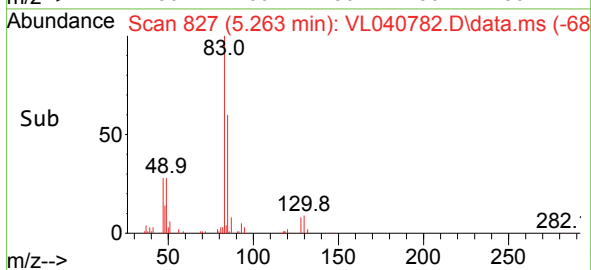
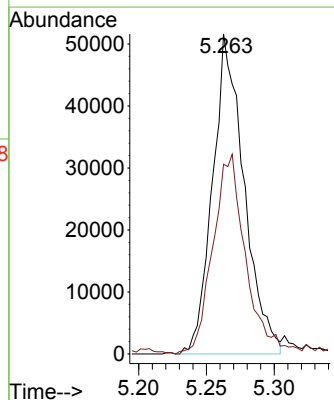
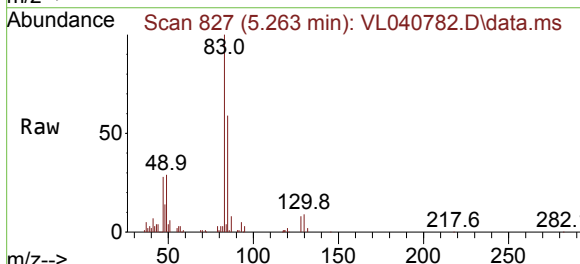
Instrument :
MSVOA_L
ClientSampleId :

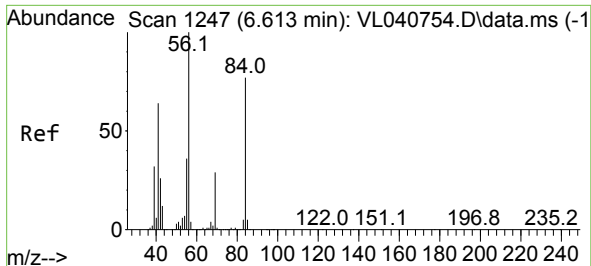
Tgt Ion: 76 Resp: 6810
Ion Ratio Lower Upper
76 100
44 122.7 16.6 25.0#
78 22.8 7.8 11.6#



#29
Chloroform
Concen: 0.634 ppbv
RT: 5.263 min Scan# 827
Delta R.T. -0.029 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 83 Resp: 83201
Ion Ratio Lower Upper
83 100
85 58.5 51.3 76.9

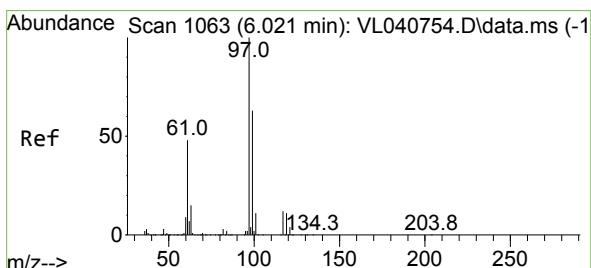
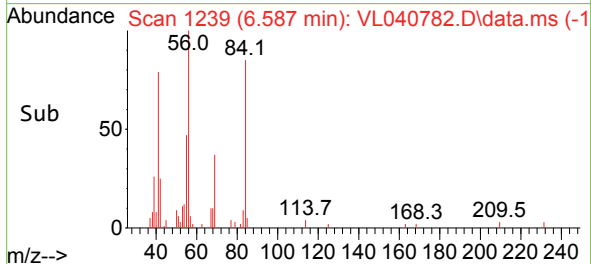
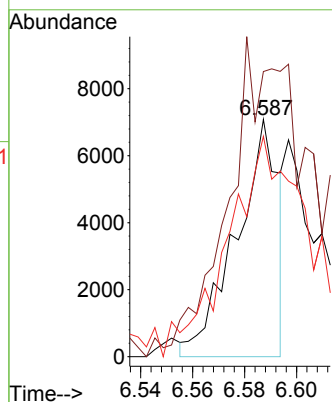
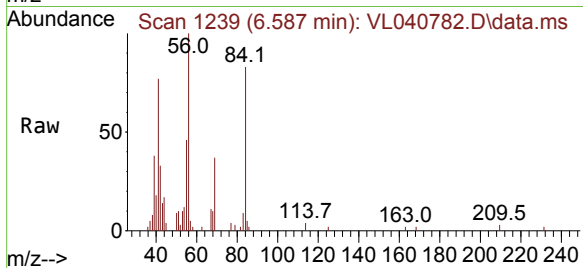




#30
Cyclohexane
Concen: 0.102 ppbv
RT: 6.587 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

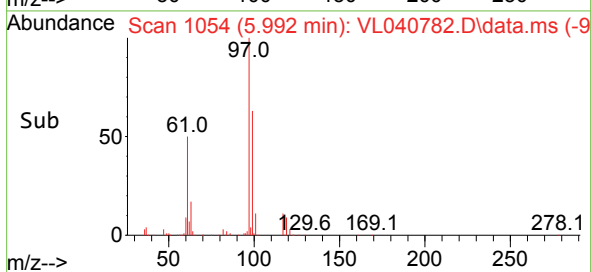
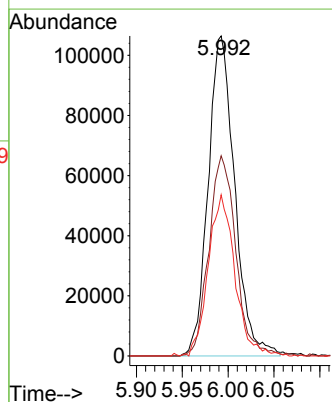
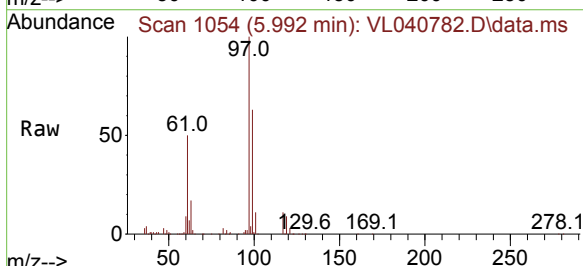
Instrument :
MSVOA_L
ClientSampleId :

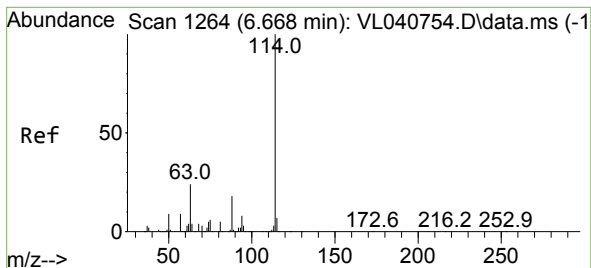
Tgt Ion: 84 Resp: 7901
Ion Ratio Lower Upper
84 100
56 228.5 110.3 165.5#
41 154.9 67.4 101.2#



#32
1,1,1-Trichloroethane
Concen: 1.534 ppbv
RT: 5.992 min Scan# 1054
Delta R.T. -0.029 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 97 Resp: 214299
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 50.6 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

ClientSampleId :

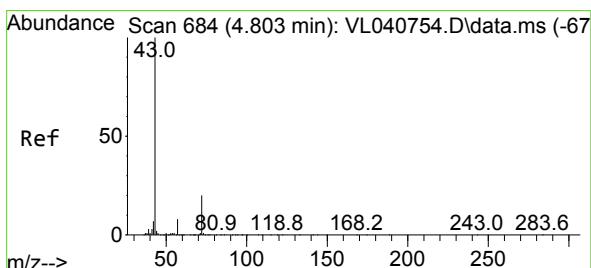
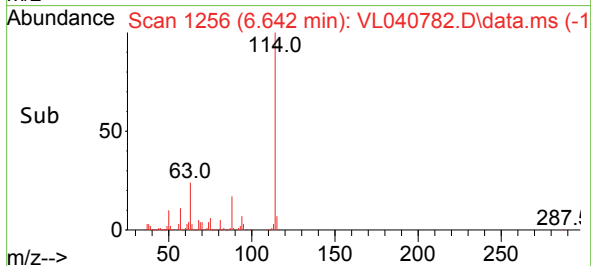
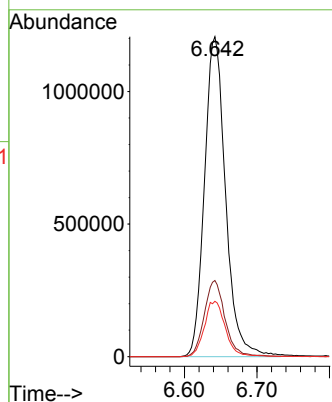
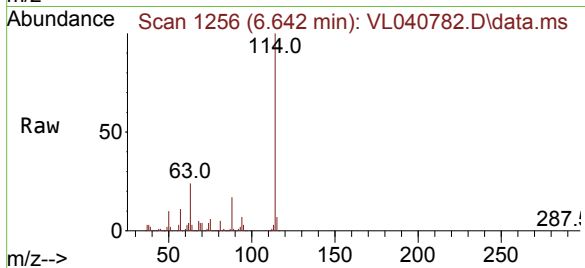
Tgt Ion:114 Resp: 2439616

Ion Ratio Lower Upper

114 100

63 23.7 19.8 29.6

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 0.862 ppbv

RT: 4.780 min Scan# 677

Delta R.T. -0.022 min

Lab File: VL040782.D

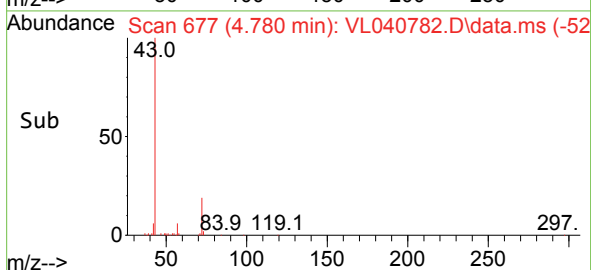
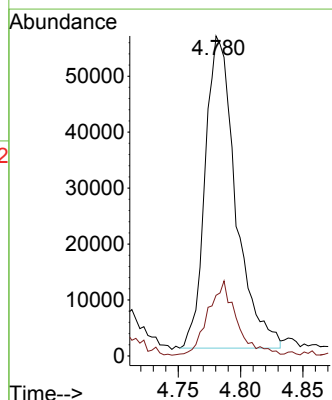
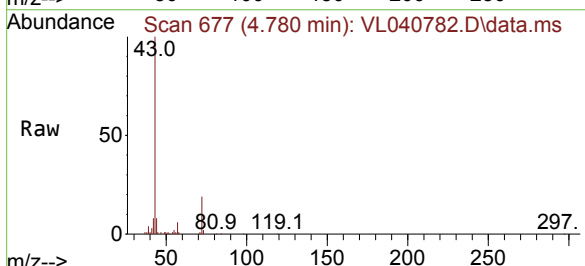
Acq: 23 Oct 2023 17:16

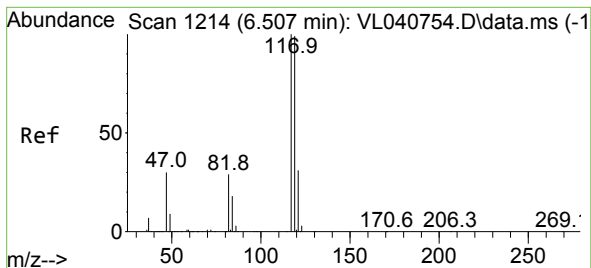
Tgt Ion: 43 Resp: 95155

Ion Ratio Lower Upper

43 100

72 23.0 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.032 ppbv

RT: 6.481 min Scan# 117

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

ClientSampleId :

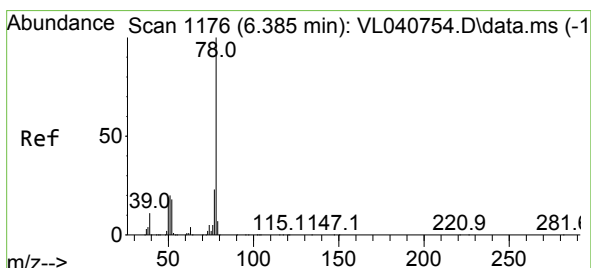
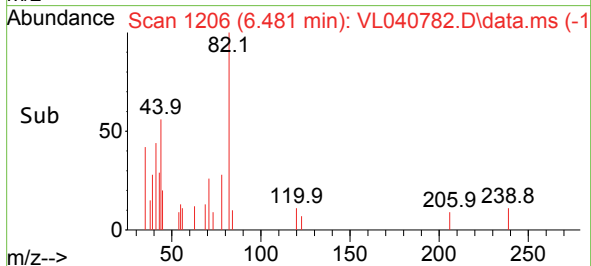
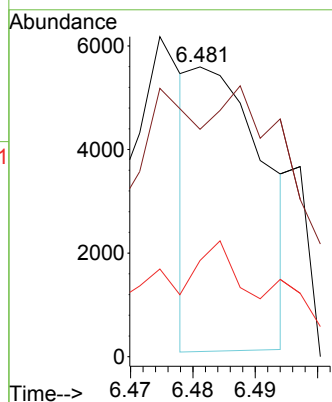
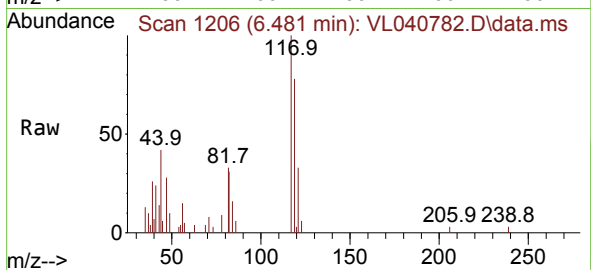
Tgt Ion:117 Resp: 4368

Ion Ratio Lower Upper

117 100

119 0.0 79.4 119.0#

121 32.0 25.0 37.4



#36

Benzene

Concen: 0.357 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

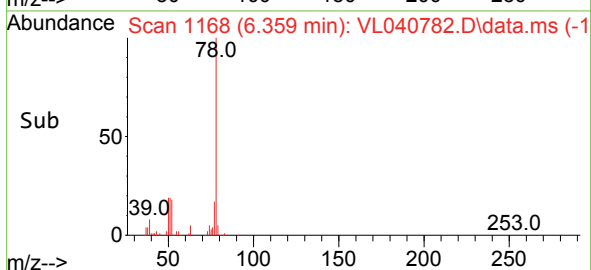
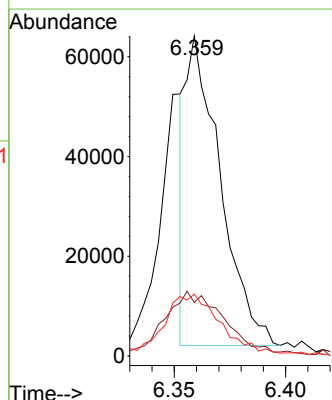
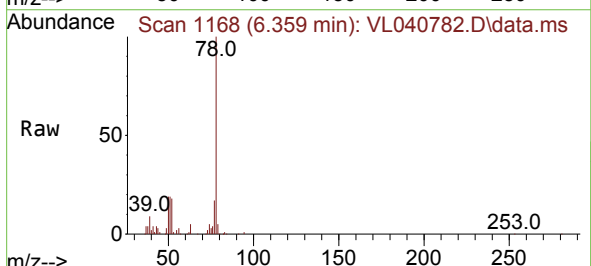
Tgt Ion: 78 Resp: 66973

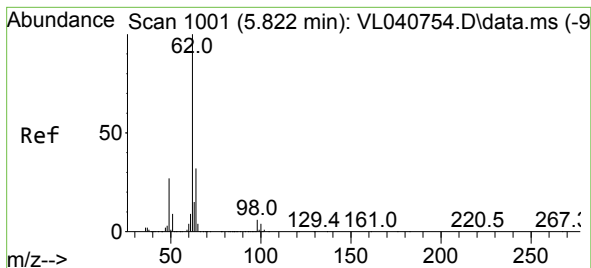
Ion Ratio Lower Upper

78 100

77 16.0 18.4 27.6#

50 19.1 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.318 ppbv

RT: 5.796 min Scan# 91

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

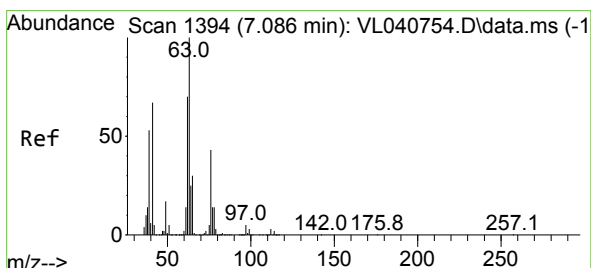
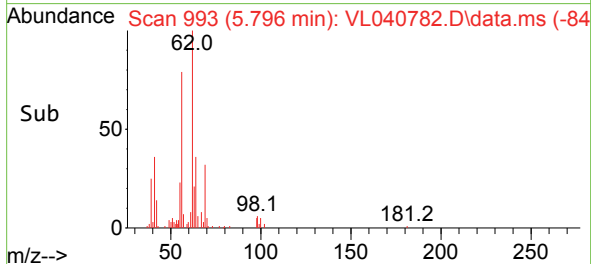
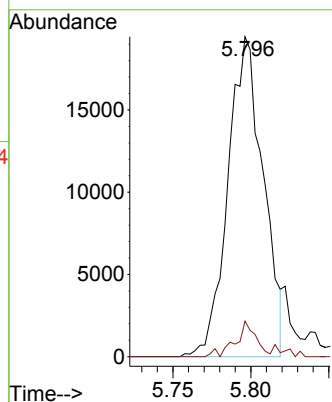
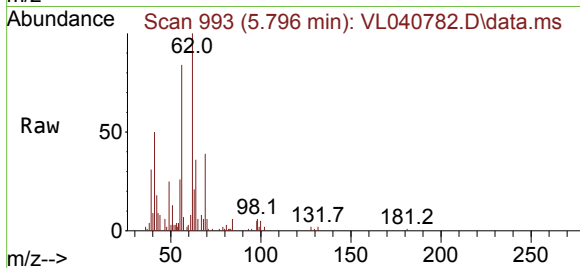
ClientSampleId :

Tgt Ion: 62 Resp: 30547

Ion Ratio Lower Upper

62 100

98 7.7 5.4 8.0



#39

1,2-Dichloropropane

Concen: 7.850 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.444 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

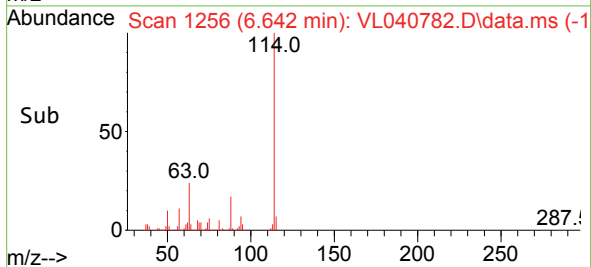
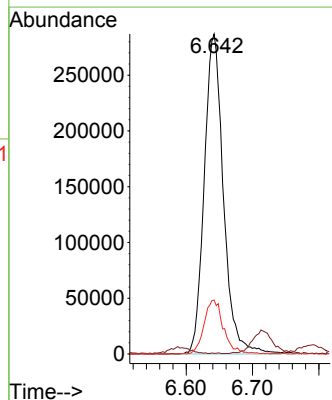
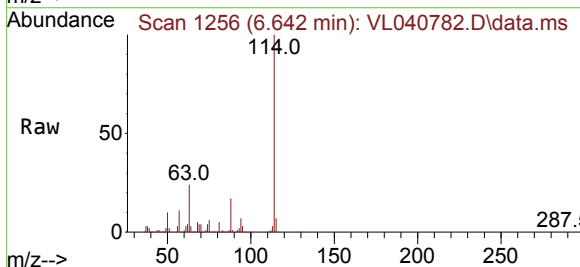
Tgt Ion: 63 Resp: 575510

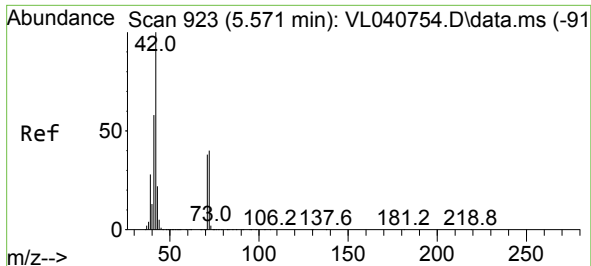
Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 16.8 55.7 83.5#

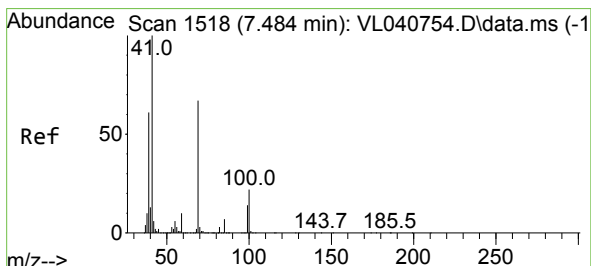
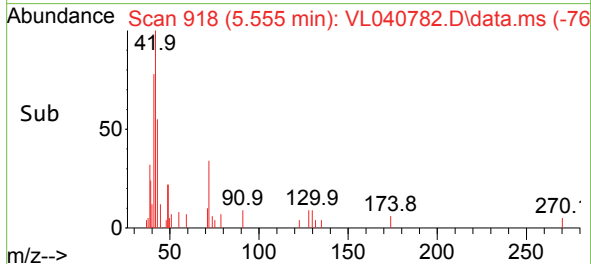
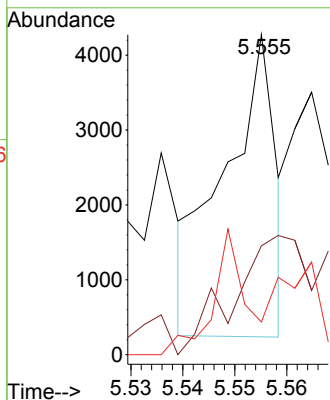
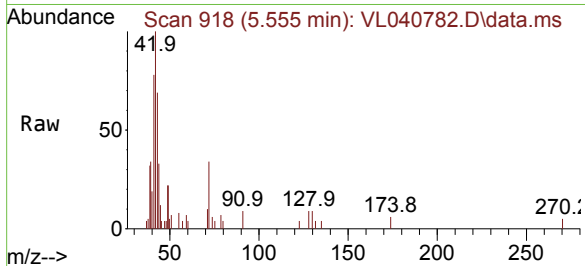




#41
Tetrahydrofuran
Concen: 0.036 ppbv
RT: 5.555 min Scan# 91
Delta R.T. -0.016 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

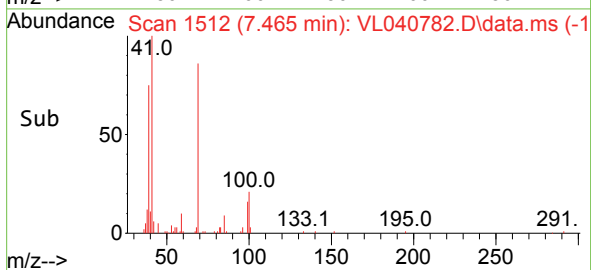
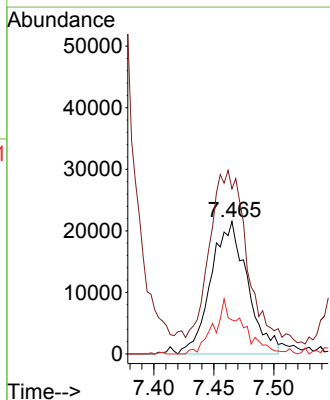
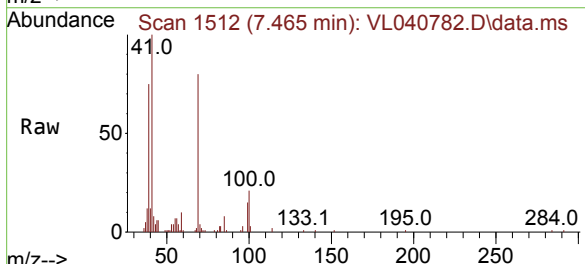
Instrument :
MSVOA_L
ClientSampleId :

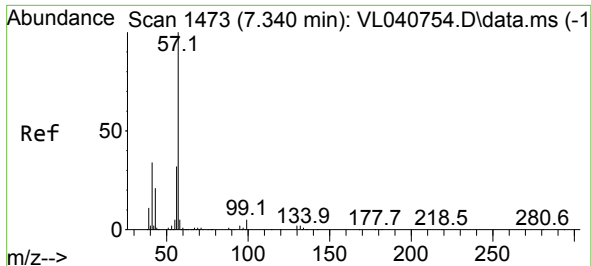
Tgt Ion: 42 Resp: 2786
Ion Ratio Lower Upper
42 100
72 94.0 31.1 46.7#
71 51.7 29.7 44.5#



#43
Methyl Methacrylate
Concen: 0.606 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. -0.019 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 69 Resp: 45499
Ion Ratio Lower Upper
69 100
41 152.1 120.6 181.0
100 32.6 27.1 40.7

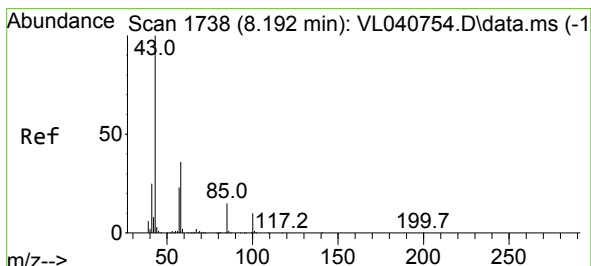
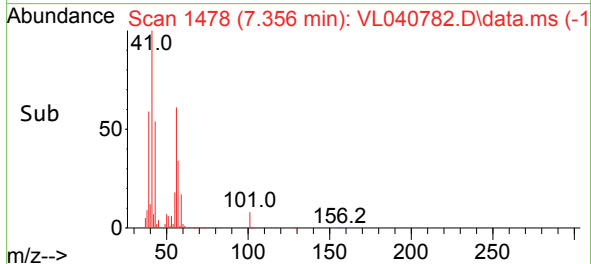
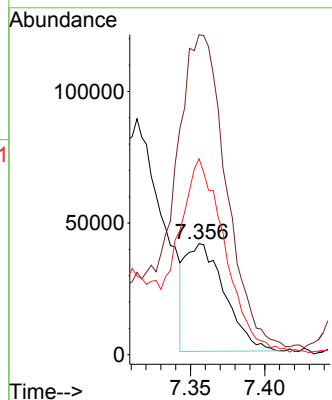
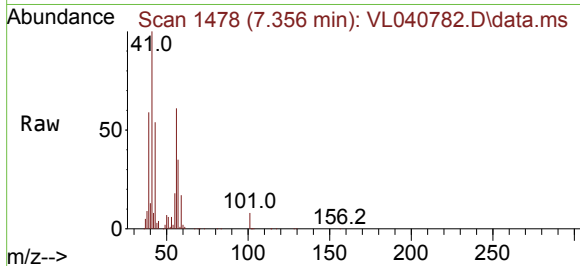




#44
 2,2,4-Trimethylpentane
 Concen: 0.237 ppbv
 RT: 7.356 min Scan# 1473
 Delta R.T. 0.016 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

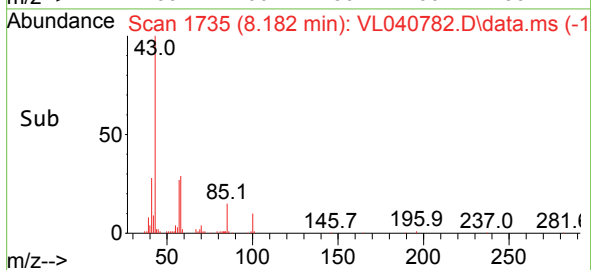
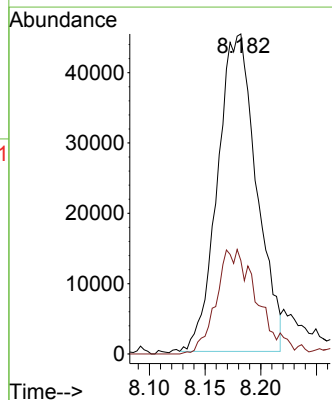
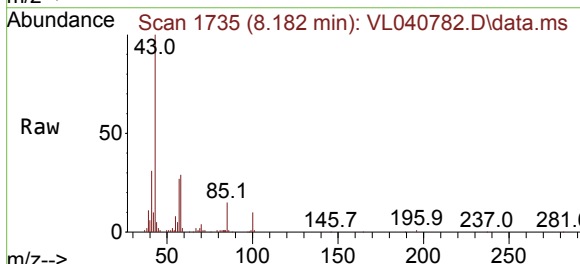
Instrument :
 MSVOA_L
 ClientSampleId :

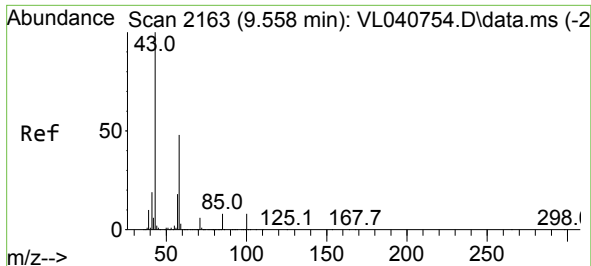
Tgt Ion: 57 Resp: 75124
 Ion Ratio Lower Upper
 57 100
 41 471.3 27.4 41.0#
 56 310.3 25.0 37.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.582 ppbv
 RT: 8.182 min Scan# 1735
 Delta R.T. -0.010 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

Tgt Ion: 43 Resp: 109915
 Ion Ratio Lower Upper
 43 100
 58 36.7 28.8 43.2

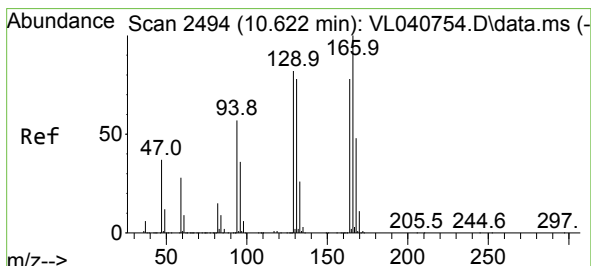
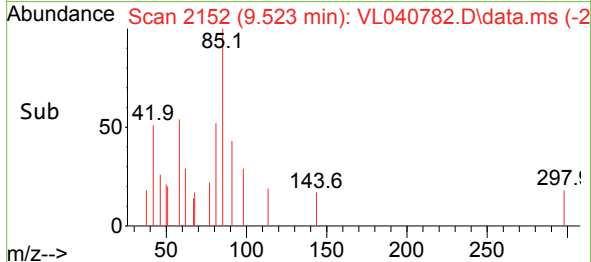
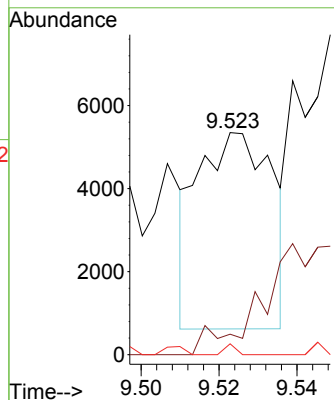
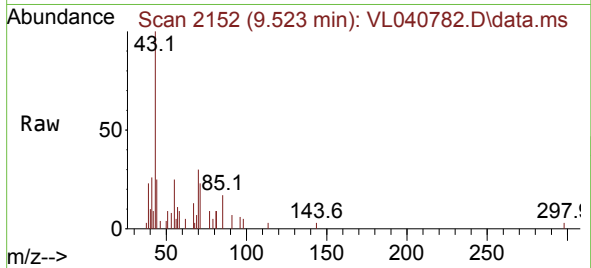




#51
2-Hexanone
Concen: 0.043 ppbv
RT: 9.523 min Scan# 2163
Delta R.T. -0.035 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

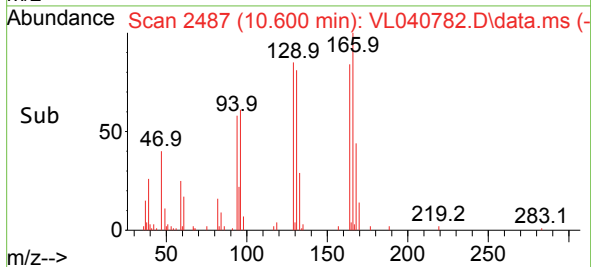
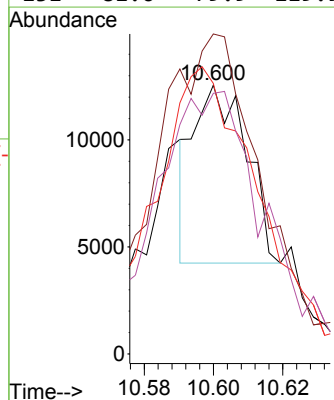
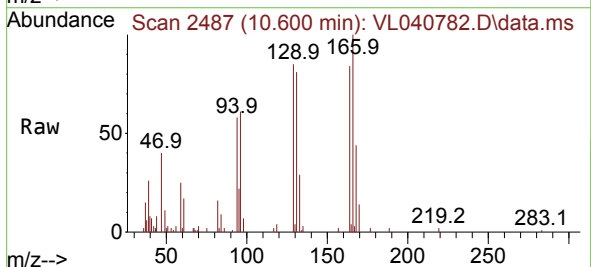
Instrument :
MSVOA_L
ClientSampleId :

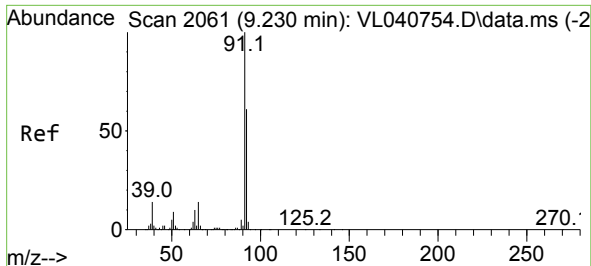
Tgt Ion: 43 Resp: 6226
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.115 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.022 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 164 Resp: 8767
Ion Ratio Lower Upper
164 100
166 107.8 102.4 153.6
129 100.7 84.2 126.4
131 81.6 79.9 119.9

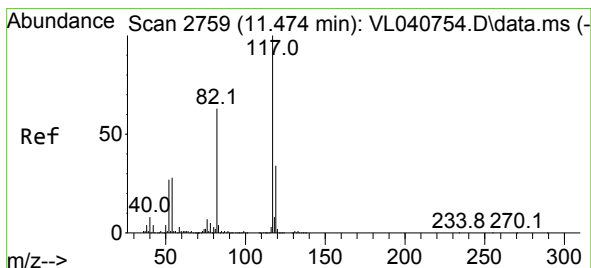
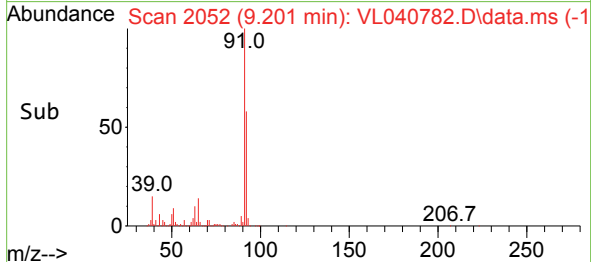
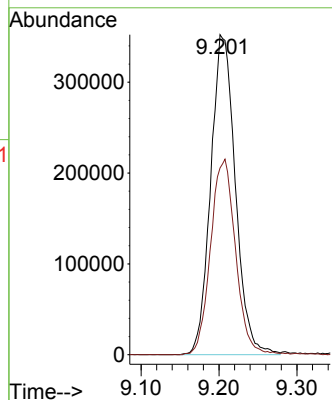
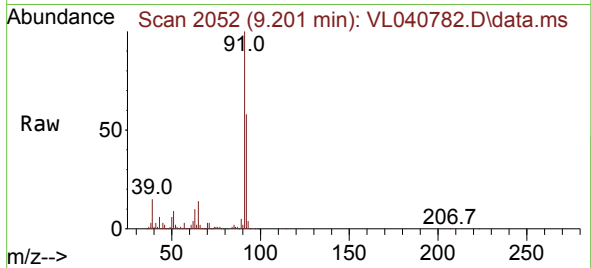




#53
Toluene
Concen: 3.467 ppbv
RT: 9.201 min Scan# 2061
Delta R.T. -0.029 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

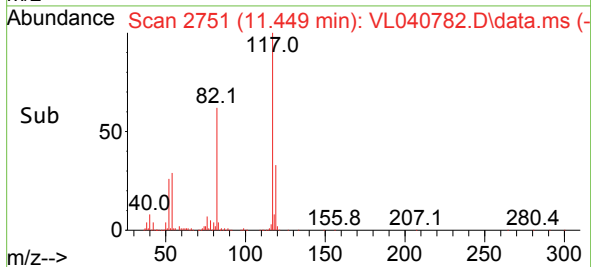
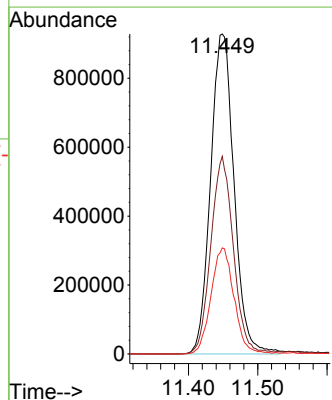
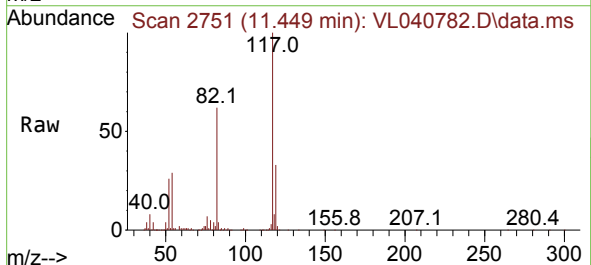
Instrument :
MSVOA_L
ClientSampleId :

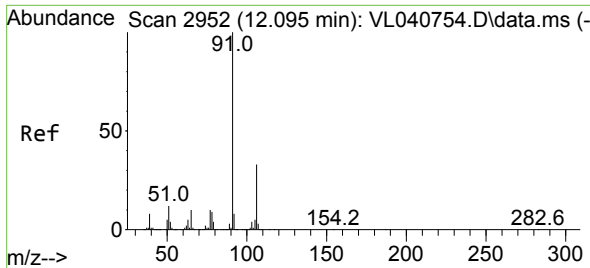
Tgt Ion: 91 Resp: 774332
Ion Ratio Lower Upper
91 100
92 62.2 50.2 75.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 117 Resp: 2183602
Ion Ratio Lower Upper
117 100
82 60.3 46.6 70.0
119 33.0 26.0 39.0





#58

Ethyl Benzene

Concen: 1.109 ppbv

RT: 12.073 min Scan# 2945

Delta R.T. -0.022 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

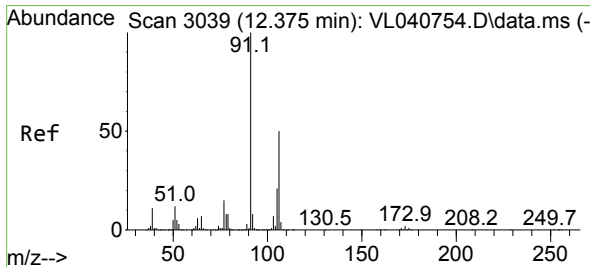
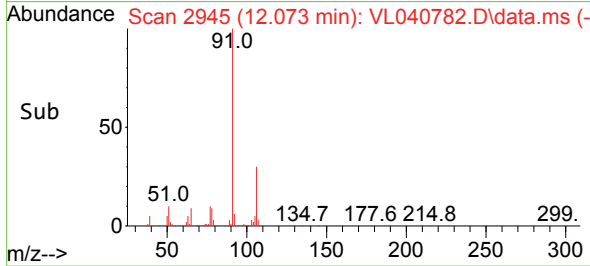
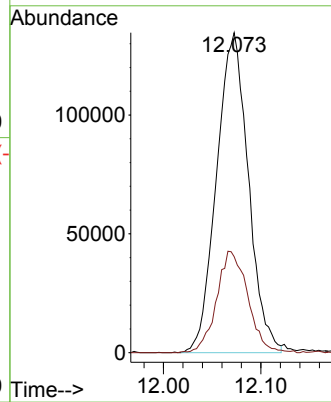
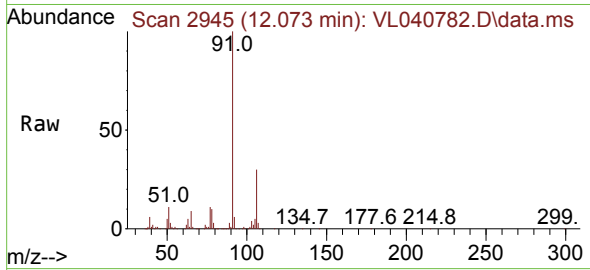
ClientSampleId :

Tgt Ion: 91 Resp: 304965

Ion Ratio Lower Upper

91 100

106 29.8 26.7 40.1



#59

m/p-Xylene

Concen: 4.003 ppbv

RT: 12.323 min Scan# 3023

Delta R.T. -0.051 min

Lab File: VL040782.D

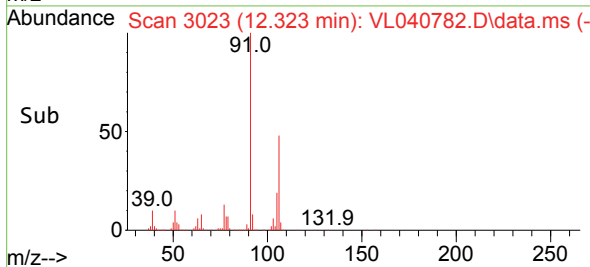
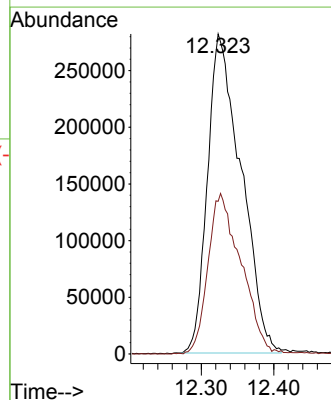
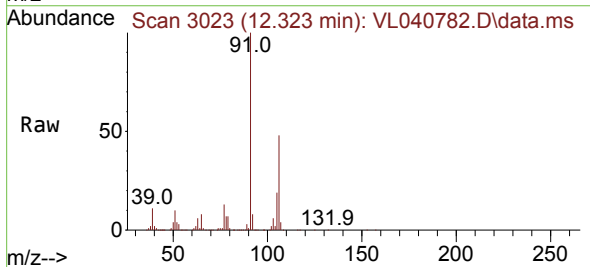
Acq: 23 Oct 2023 17:16

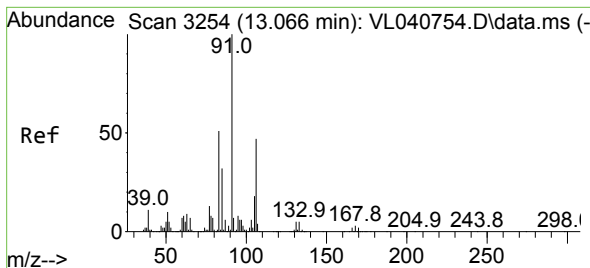
Tgt Ion: 91 Resp: 905688

Ion Ratio Lower Upper

91 100

106 50.0 37.7 56.5





#60

o-Xylene

Concen: 1.206 ppbv

RT: 13.040 min Scan# 3196

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

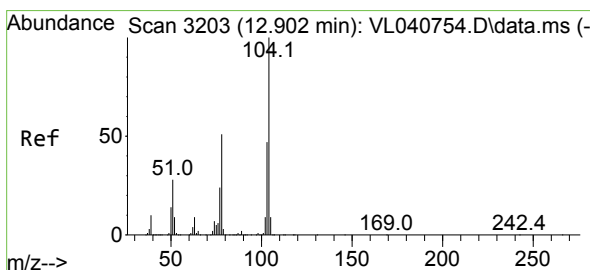
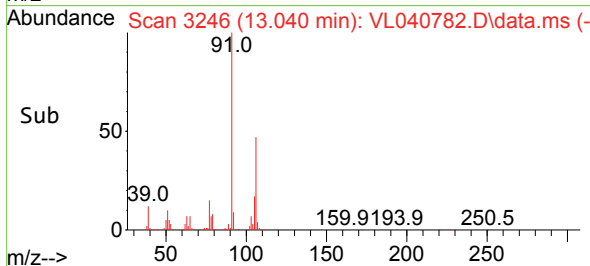
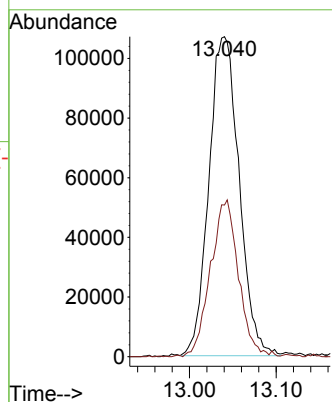
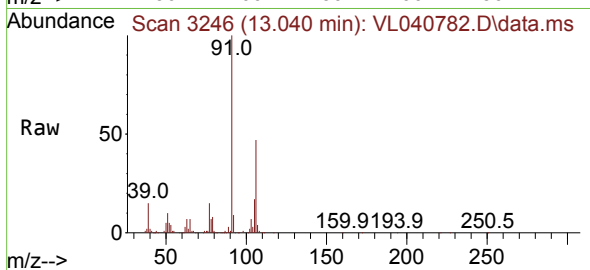
ClientSampleId :

Tgt Ion: 91 Resp: 259942

Ion Ratio Lower Upper

91 100

106 45.9 23.5 70.5



#61

Styrene

Concen: 0.070 ppbv

RT: 12.880 min Scan# 3196

Delta R.T. -0.022 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

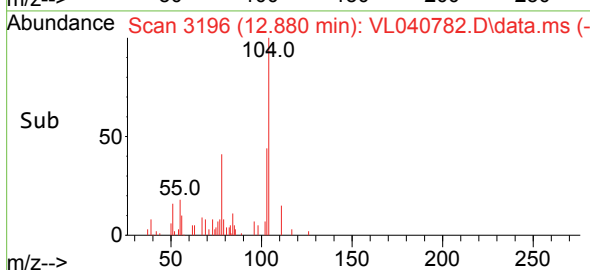
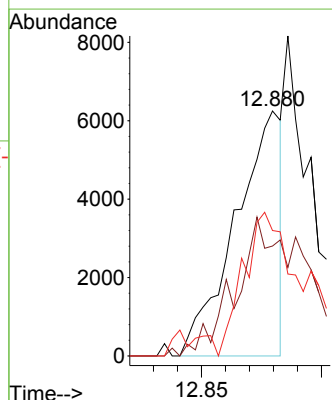
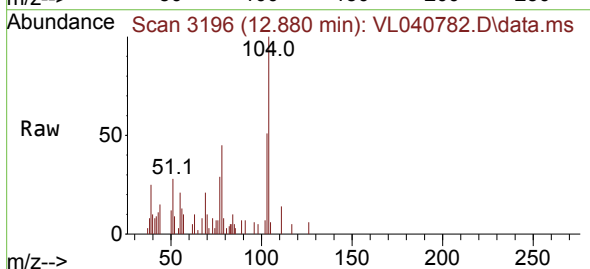
Tgt Ion: 104 Resp: 8335

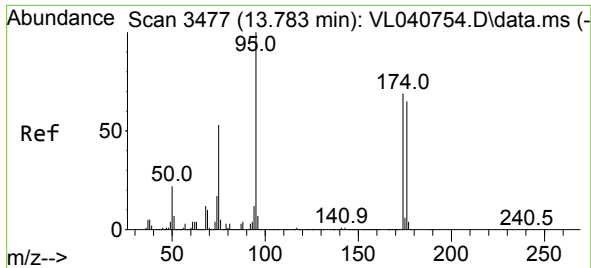
Ion Ratio Lower Upper

104 100

78 90.6 39.8 59.6#

103 88.0 37.5 56.3#

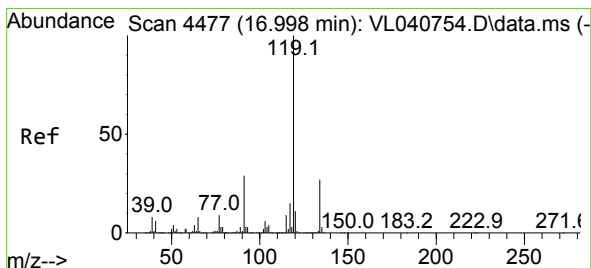
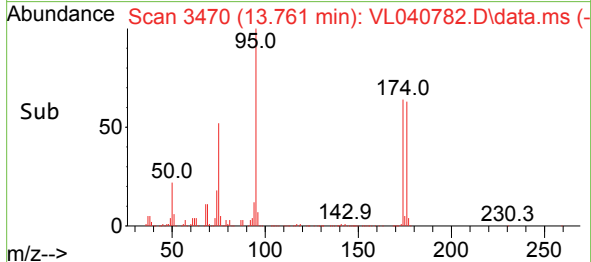
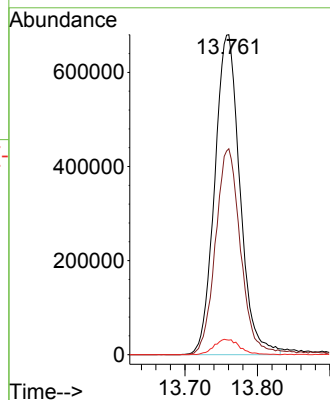
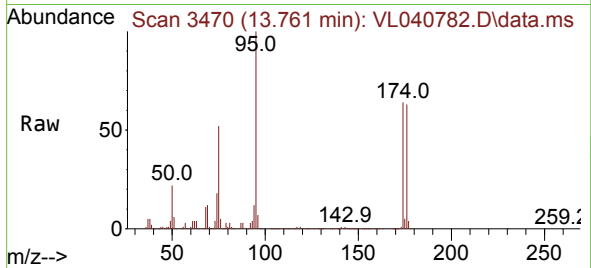




#68
1-Bromo-4-Fluorobenzene
Concen: 10.240 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. -0.022 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

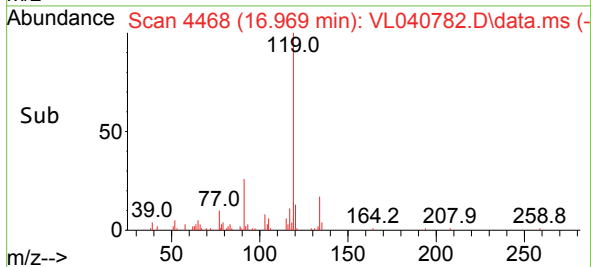
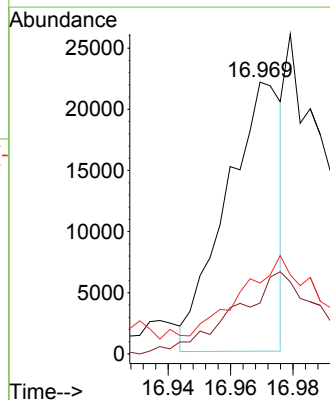
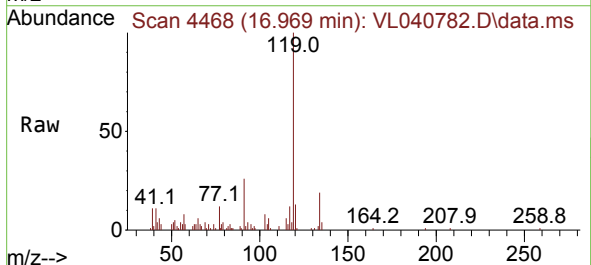
Instrument :
MSVOA_L
ClientSampleId :

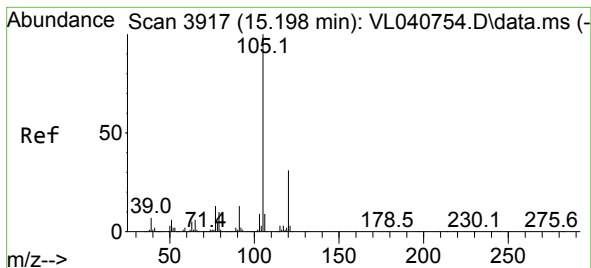
Tgt Ion: 95 Resp: 1645251
Ion Ratio Lower Upper
95 100
174 65.6 54.7 82.1
175 4.9 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.078 ppbv
RT: 16.969 min Scan# 4468
Delta R.T. -0.029 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion: 119 Resp: 26922
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 0.0 22.8 34.2#

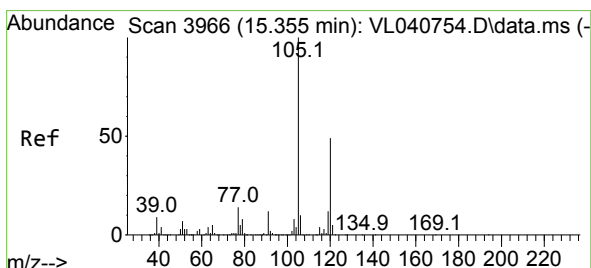
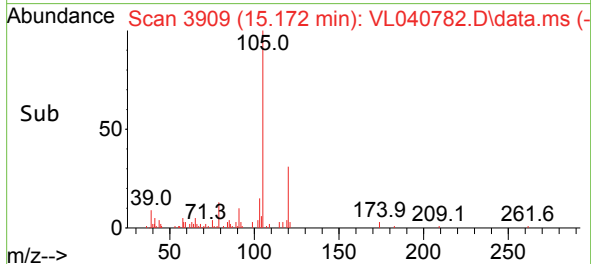
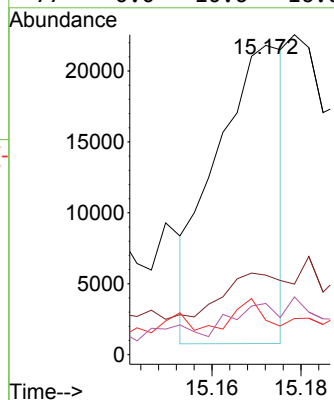
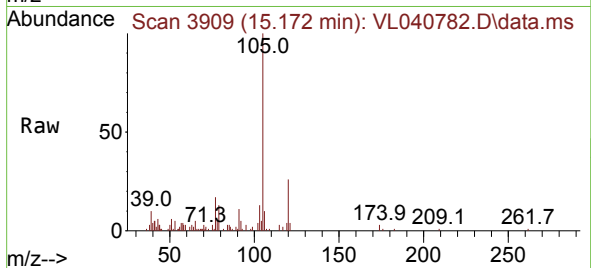




#72
4-Ethyltoluene
Concen: 0.087 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. -0.026 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

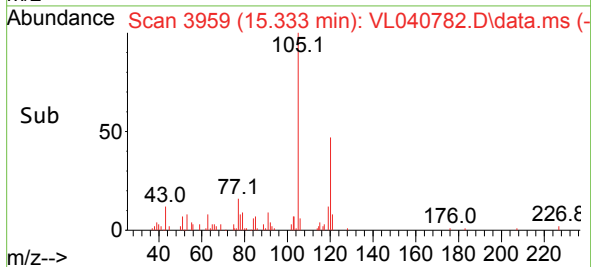
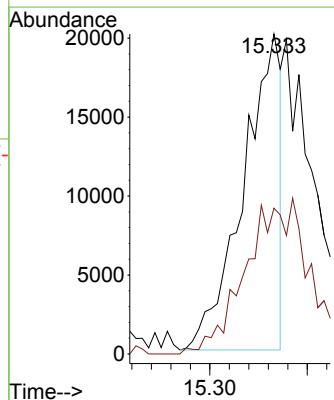
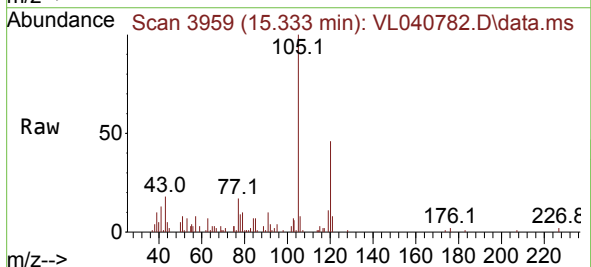
Instrument :
MSVOA_L
ClientSampleId :

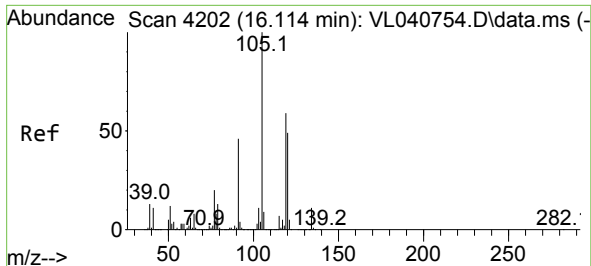
Tgt Ion:105 Resp: 22021
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 40.6 9.8 14.8#
77 0.0 10.6 16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.121 ppbv
RT: 15.333 min Scan# 3959
Delta R.T. -0.022 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion:105 Resp: 26811
Ion Ratio Lower Upper
105 100
120 46.1 39.4 59.2

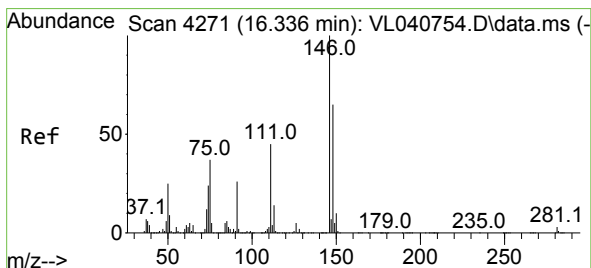
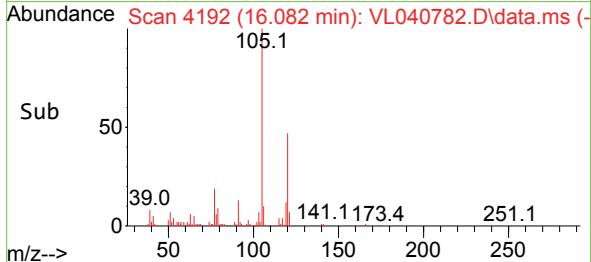
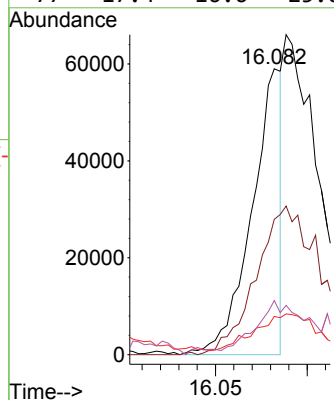
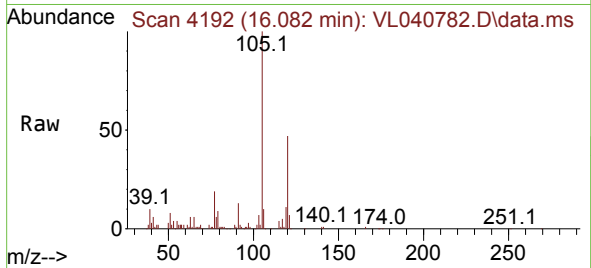




#74
1,2,4-Trimethylbenzene
Concen: 0.275 ppbv
RT: 16.082 min Scan# 41
Delta R.T. -0.032 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

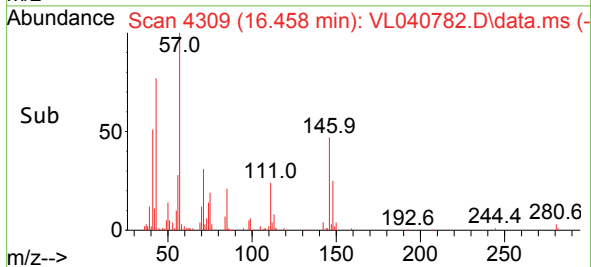
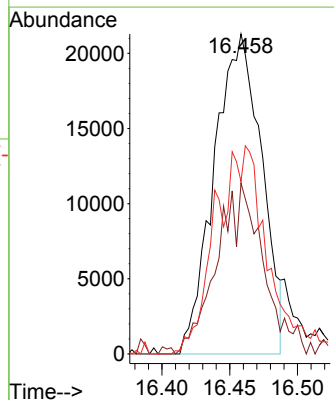
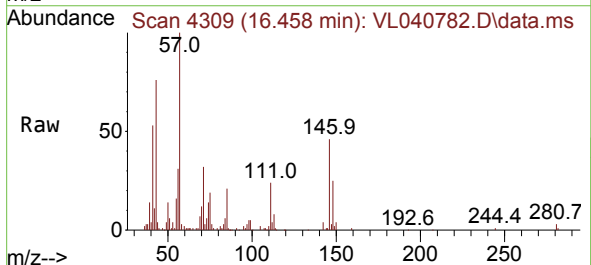
Instrument :
MSVOA_L
ClientSampleId :

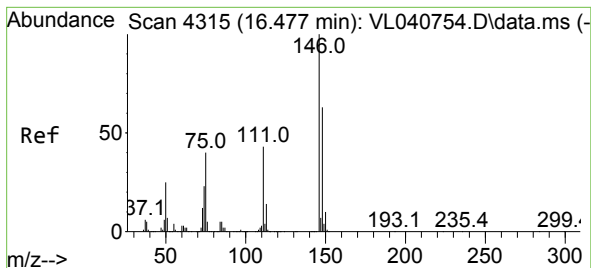
Tgt Ion:105 Resp: 66818
Ion Ratio Lower Upper
105 100
120 46.7 39.4 59.2
91 11.4 38.6 58.0#
77 17.4 16.6 25.0



#75
1,3-Dichlorobenzene
Concen: 0.343 ppbv
RT: 16.458 min Scan# 4309
Delta R.T. 0.122 min
Lab File: VL040782.D
Acq: 23 Oct 2023 17:16

Tgt Ion:146 Resp: 51846
Ion Ratio Lower Upper
146 100
111 53.0 22.6 67.7
148 73.1 32.4 97.0





#76

1,4-Dichlorobenzene

Concen: 0.347 ppbv

RT: 16.458 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

Instrument :

MSVOA_L

ClientSampleId :

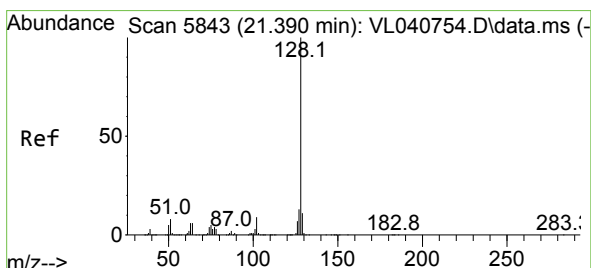
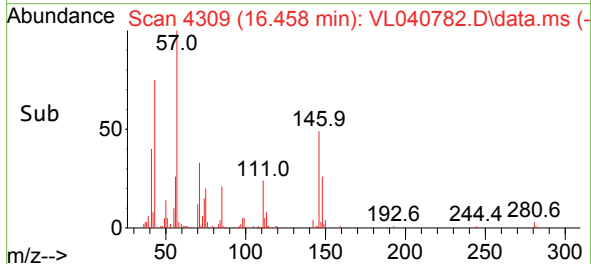
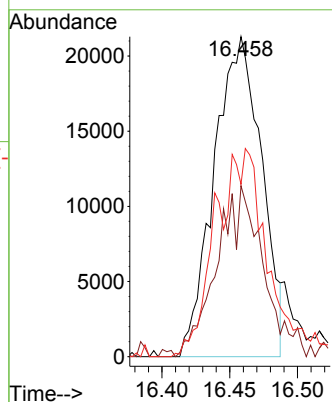
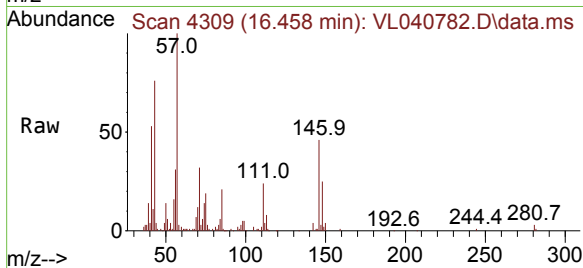
Tgt Ion:146 Resp: 51846

Ion Ratio Lower Upper

146 100

111 55.1 22.0 66.0

148 73.0 33.4 100.1



#79

Naphthalene

Concen: 0.167 ppbv

RT: 21.365 min Scan# 5835

Delta R.T. -0.026 min

Lab File: VL040782.D

Acq: 23 Oct 2023 17:16

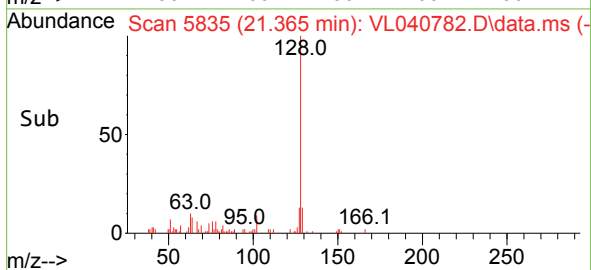
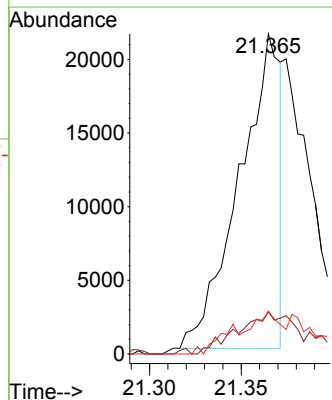
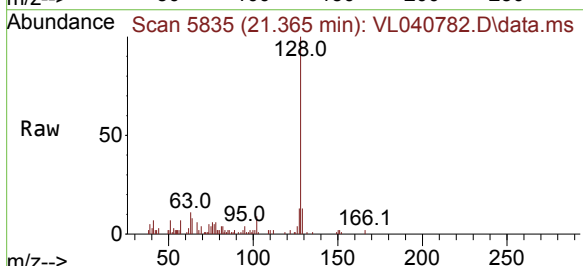
Tgt Ion:128 Resp: 33029

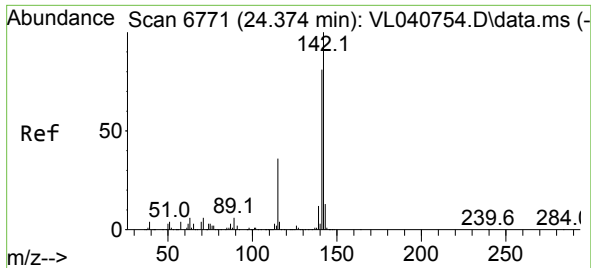
Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

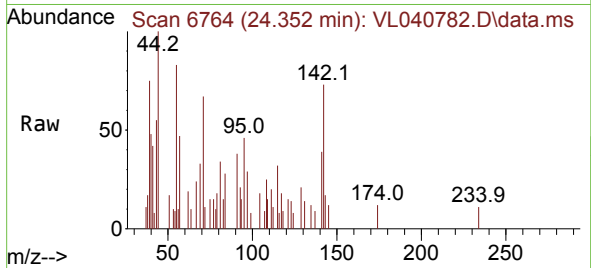
129 13.6 9.0 13.4#





#80
 Naphthalene, 2-methyl-
 Concen: 0.064 ppbv
 RT: 24.352 min Scan# 61
 Delta R.T. -0.022 min
 Lab File: VL040782.D
 Acq: 23 Oct 2023 17:16

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 142 Resp: 3520
 Ion Ratio Lower Upper
 142 100
 141 65.7 66.3 99.5#
 115 0.0 30.0 45.0#

