

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040781.D
 Acq On : 23 Oct 2023 16:35
 Operator : SY/MD
 Sample : 05004-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 24 05:36:16 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	882446	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2437866	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2170627	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1631149	10.213	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	82860	0.533	ppbv	98
3) Chlorodifluoromethane	2.652	51	1188392	9.164	ppbv #	62
4) Chloromethane	2.835	50	2562	0.050	ppbv	96
9) Propene	2.870	41	155790	3.234	ppbv	97
10) Heptane	7.565	43	55548	0.459	ppbv	89
11) Trichlorofluoromethane	3.558	101	38731	0.323	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.063	101	3506	0.041	ppbv #	29
13) Ethanol	3.237	45	1064690	97.915	ppbv	97
15) Acetone	3.462	43	1601616	17.556	ppbv	99
16) 1,3-Butadiene	3.012	39	90267	1.886	ppbv #	10
17) tert-Butyl alcohol	3.575	59	203402	2.174	ppbv	97
19) Isopropyl Alcohol	3.575	45	5414677	92.202	ppbv #	38
20) Methylene Chloride	3.928	84	144398	3.800	ppbv	98
21) Allyl Chloride	4.227	41	5131	0.085	ppbv #	22
23) Vinyl Acetate	4.610	43	83070	0.715	ppbv #	66
25) Ethyl Acetate	5.198	43	154057	0.771	ppbv #	88
26) Hexane	5.205	57	165253	1.809	ppbv #	49
27) Carbon Disulfide	4.124	76	7205	0.071	ppbv #	20
29) Chloroform	5.263	83	81841	0.619	ppbv	98
30) Cyclohexane	6.581	84	7252	0.093	ppbv #	16
32) 1,1,1-Trichloroethane	5.989	97	213998	1.521	ppbv	96
34) 2-Butanone	4.780	43	93600	0.848	ppbv	93
36) Benzene	6.359	78	117251	0.625	ppbv #	91
37) 1,2-Dichloroethane	5.796	62	32965	0.343	ppbv	98
39) 1,2-Dichloropropane	6.639	63	573145	7.824	ppbv #	27
41) Tetrahydrofuran	5.552	42	2923	0.038	ppbv #	37
43) Methyl Methacrylate	7.462	69	46252	0.616	ppbv	93
44) 2,2,4-Trimethylpentane	7.314	57	97139	0.306	ppbv #	42
50) 4-Methyl-2-Pentanone	8.179	43	115501	0.612	ppbv	99
52) Tetrachloroethene	10.597	164	27314	0.359	ppbv	86
53) Toluene	9.205	91	788622	3.534	ppbv	98
58) Ethyl Benzene	12.069	91	312910	1.145	ppbv	96
59) m/p-Xylene	12.327	91	934918	4.156	ppbv	97
60) o-Xylene	13.037	91	143879	0.671	ppbv #	38
69) p-Isopropyltoluene	16.963	119	16235	0.048	ppbv #	47
72) 4-Ethyltoluene	15.175	105	49441	0.197	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.330	105	24101	0.109	ppbv	100
74) 1,2,4-Trimethylbenzene	16.085	105	166355	0.689	ppbv #	70
75) 1,3-Dichlorobenzene	16.455	146	58246	0.388	ppbv	96
76) 1,4-Dichlorobenzene	16.455	146	58246	0.392	ppbv	95
80) Naphthalene,2-methyl-	24.371	142	5012	0.091	ppbv #	84

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Instrument :
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Quant Time: Oct 24 05:36:16 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

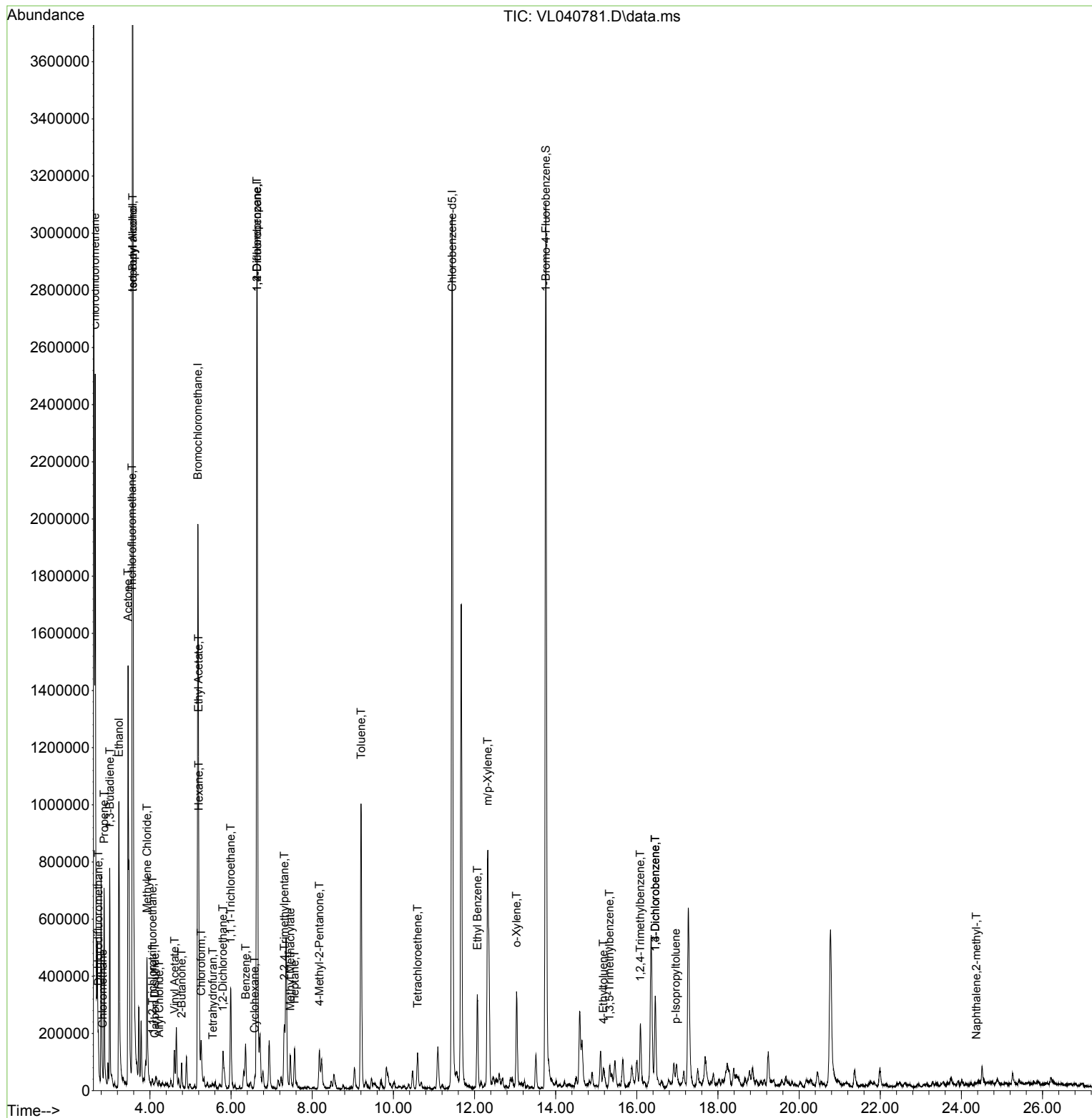
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

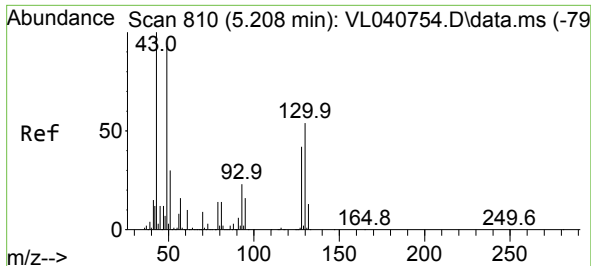
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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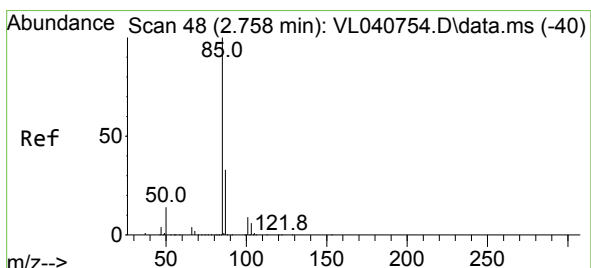
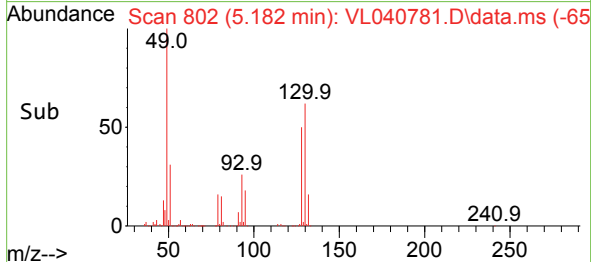
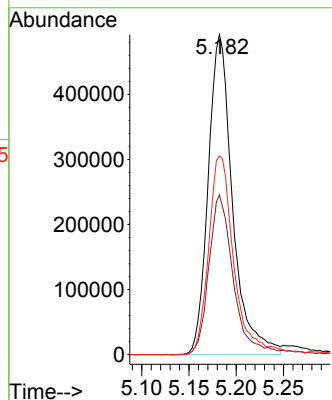
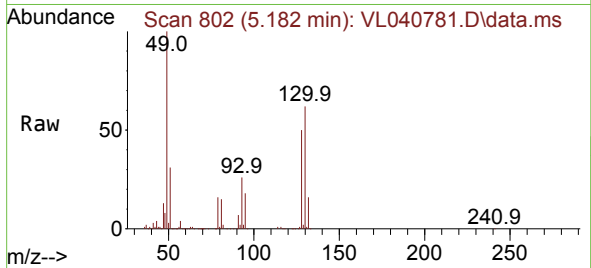




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

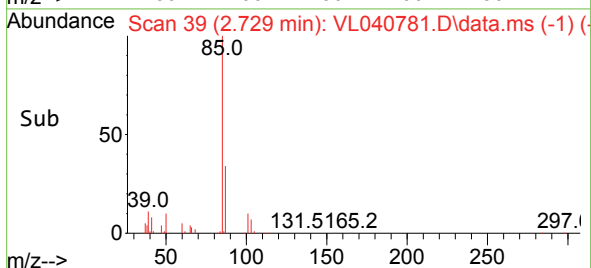
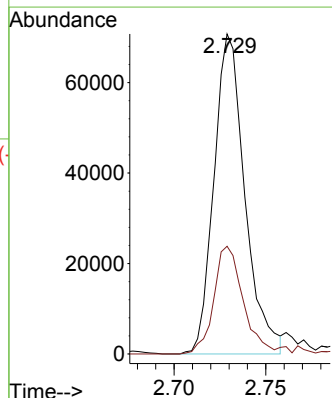
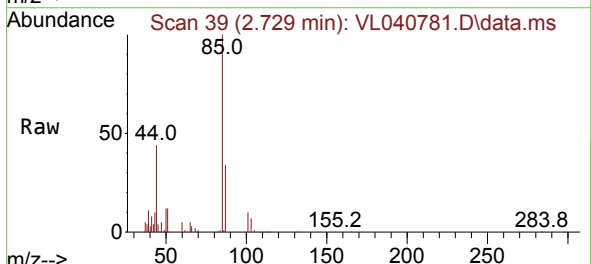
Instrument :
MSVOA_L
ClientSampleId :

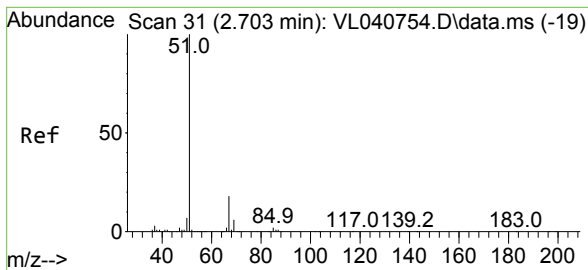
Tgt Ion: 49 Resp: 882446
Ion Ratio Lower Upper
49 100
128 51.3 23.9 71.7
130 65.7 30.7 92.1



#2
Dichlorodifluoromethane
Concen: 0.533 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.029 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 85 Resp: 82860
Ion Ratio Lower Upper
85 100
87 33.6 26.0 39.0

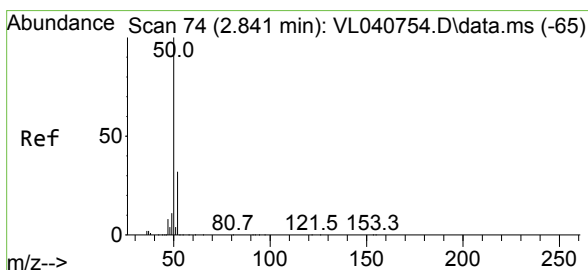
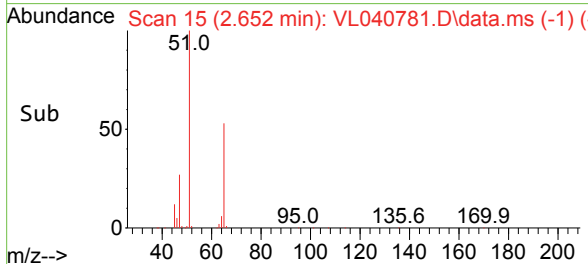
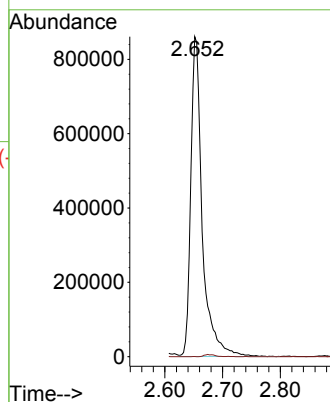
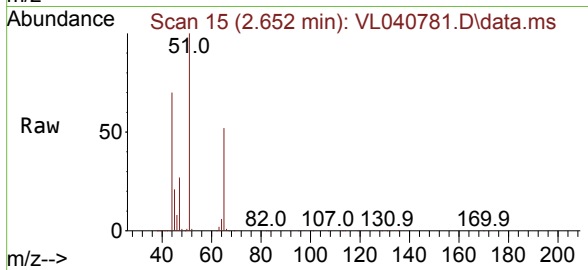




#3
 Chlorodifluoromethane
 Concen: 9.164 ppbv
 RT: 2.652 min Scan# 11
 Delta R.T. -0.051 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

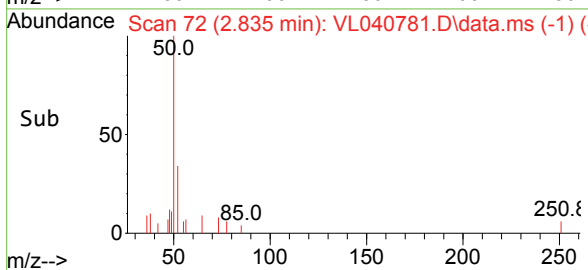
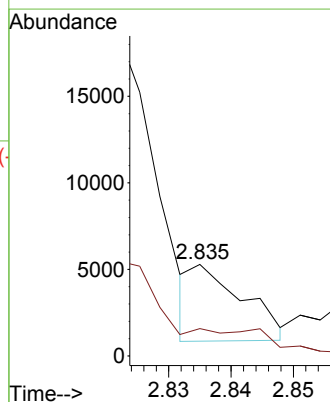
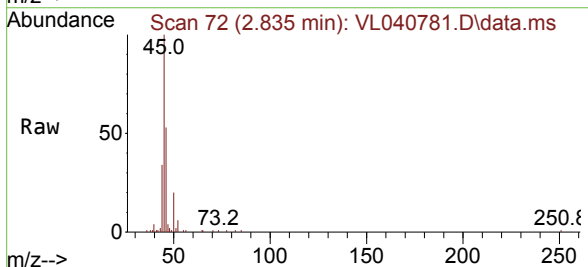
Instrument :
 MSVOA_L
 ClientSampleId :

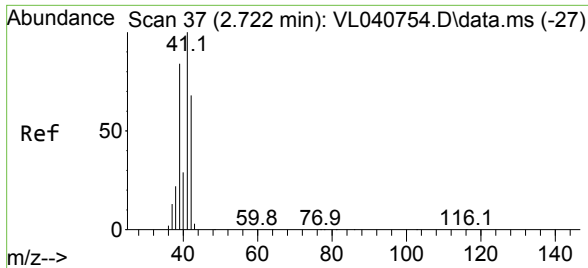
Tgt Ion: 51 Resp: 1188392
 Ion Ratio Lower Upper
 51 100
 67 0.7 13.8 20.6#



#4
 Chloromethane
 Concen: 0.050 ppbv
 RT: 2.835 min Scan# 72
 Delta R.T. -0.006 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

Tgt Ion: 50 Resp: 2562
 Ion Ratio Lower Upper
 50 100
 52 29.5 25.3 37.9

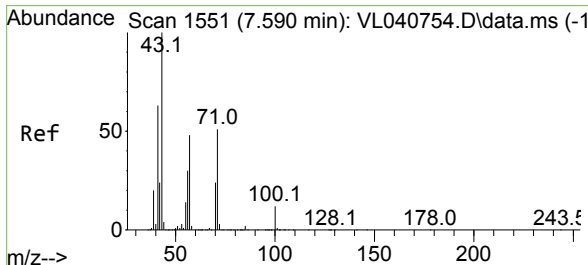
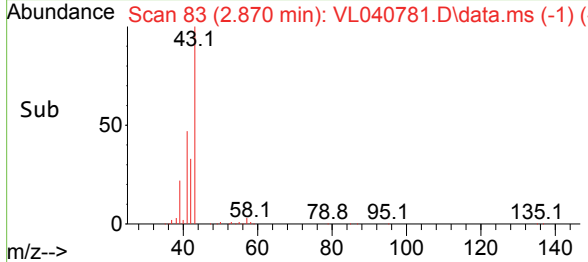
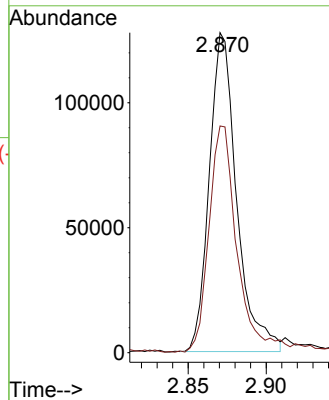
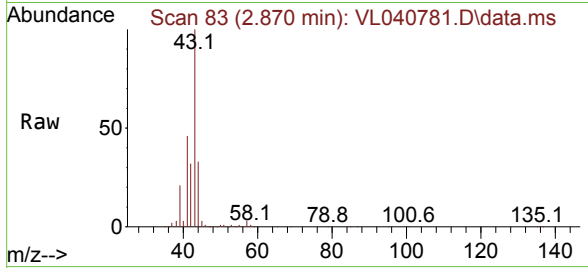




#9
 Propene
 Concen: 3.234 ppbv
 RT: 2.870 min Scan# 81
 Delta R.T. 0.148 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

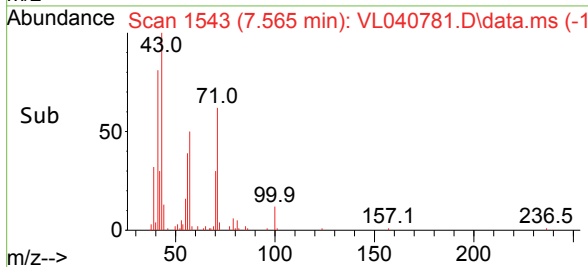
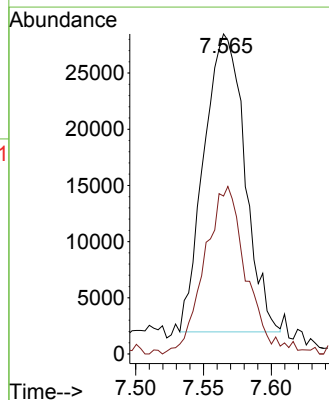
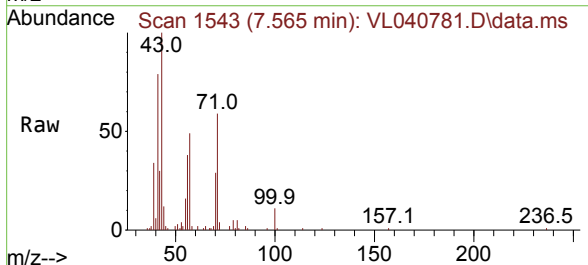
Instrument :
 MSVOA_L
 ClientSampleId :

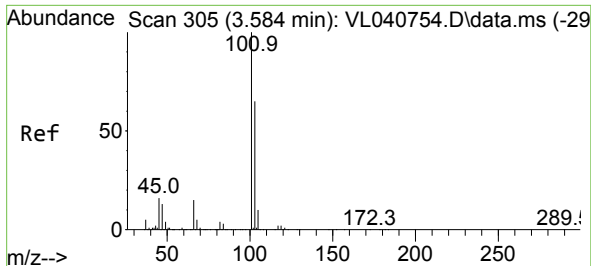
Tgt Ion: 41 Resp: 155790
 Ion Ratio Lower Upper
 41 100
 42 73.6 57.1 85.7



#10
 Heptane
 Concen: 0.459 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.026 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

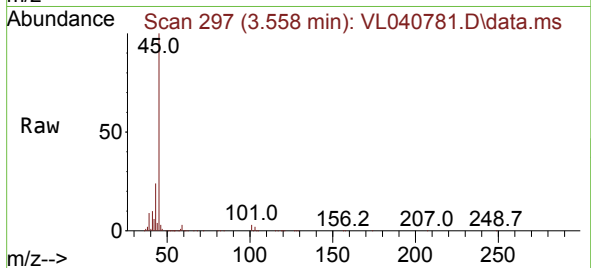
Tgt Ion: 43 Resp: 55548
 Ion Ratio Lower Upper
 43 100
 57 57.9 40.0 60.0



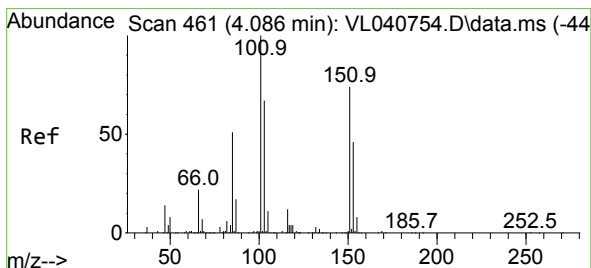
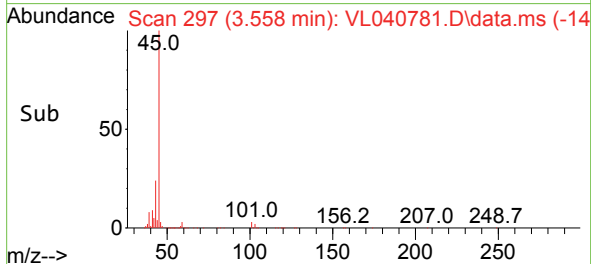
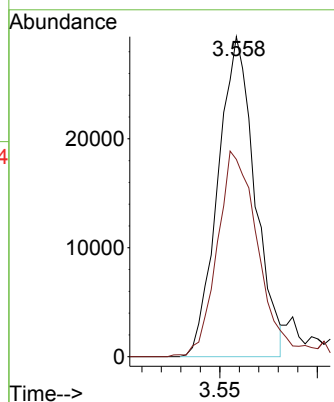


#11
 Trichlorofluoromethane
 Concen: 0.323 ppbv
 RT: 3.558 min Scan# 24
 Delta R.T. -0.026 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

Instrument :
 MSVOA_L
 ClientSampleId :

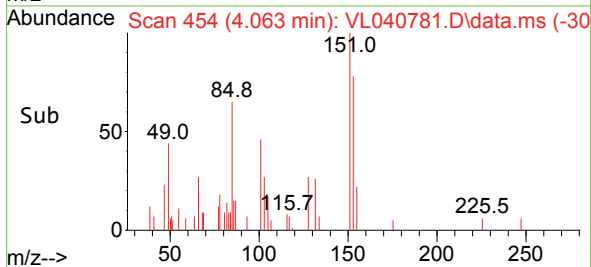
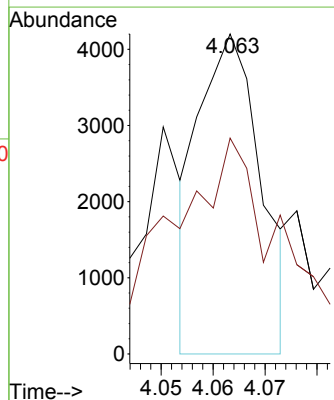
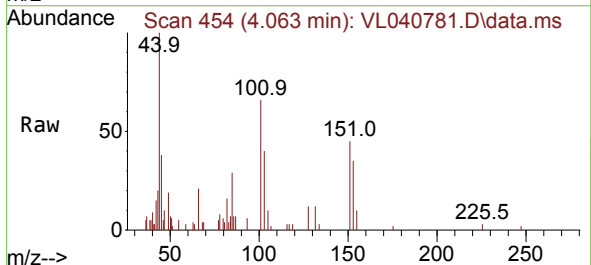


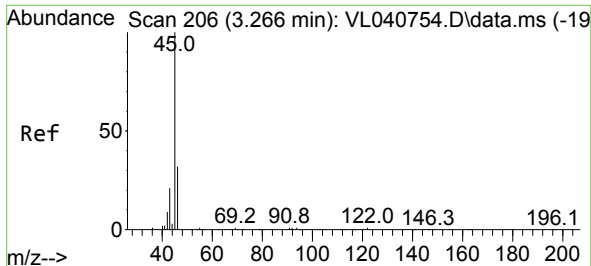
Tgt Ion:101 Resp: 38731
 Ion Ratio Lower Upper
 101 100
 103 61.0 52.2 78.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.041 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.022 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

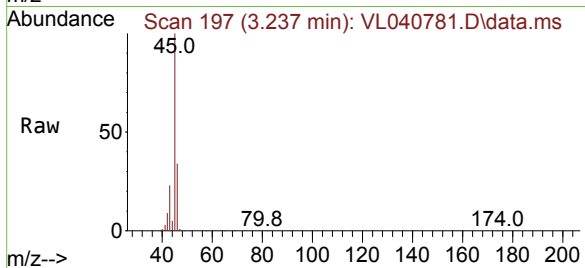
Tgt Ion:101 Resp: 3506
 Ion Ratio Lower Upper
 101 100
 151 132.2 58.1 87.1#



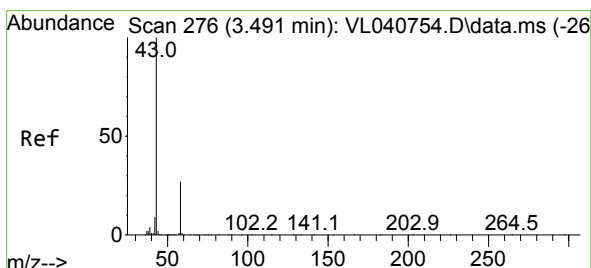
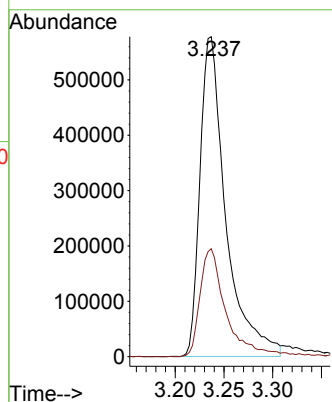
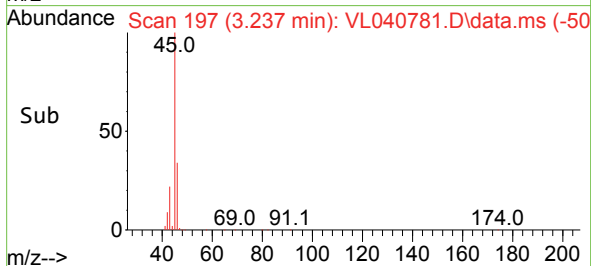


#13
Ethanol
Concen: 97.915 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.029 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :

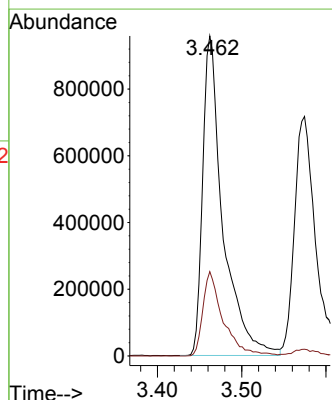
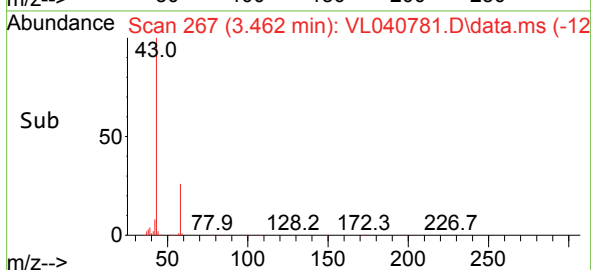
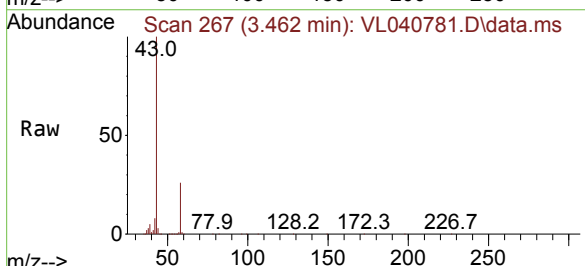


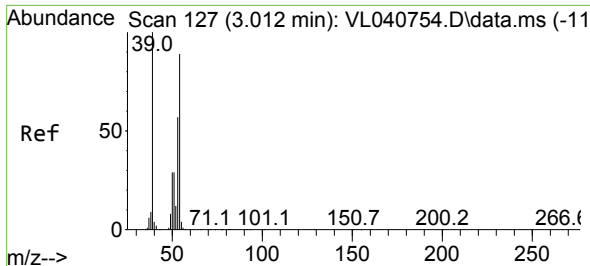
Tgt Ion: 45 Resp: 1064690
Ion Ratio Lower Upper
45 100
46 34.6 14.6 58.2



#15
Acetone
Concen: 17.556 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.029 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 43 Resp: 1601616
Ion Ratio Lower Upper
43 100
58 26.5 21.6 32.4

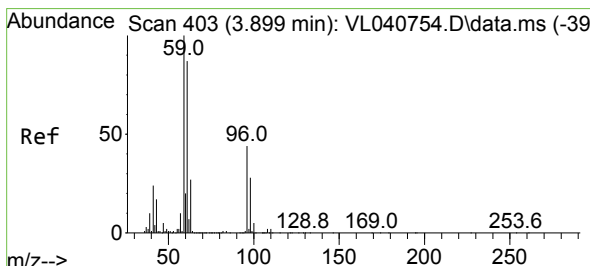
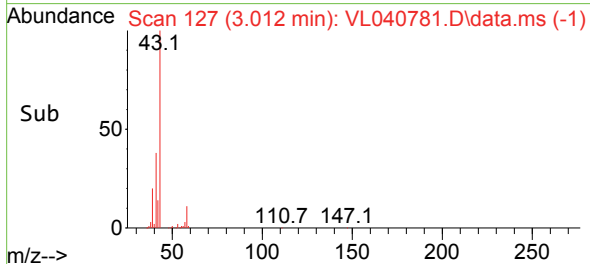
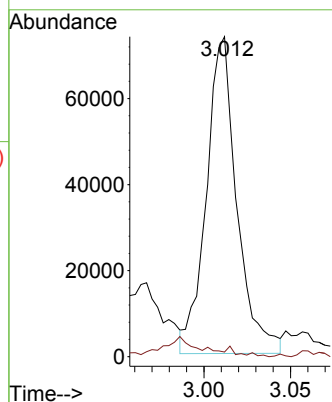
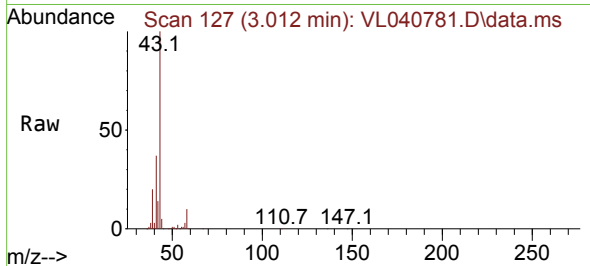




#16
1,3-Butadiene
Concen: 1.886 ppbv
RT: 3.012 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

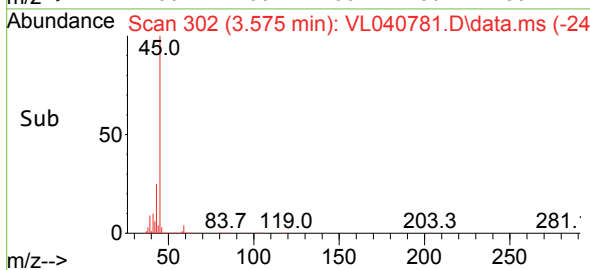
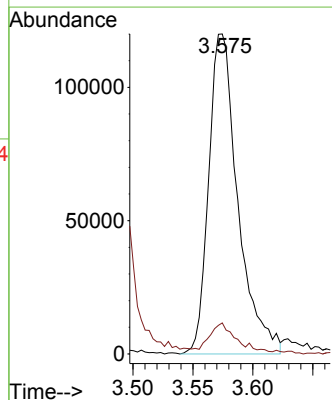
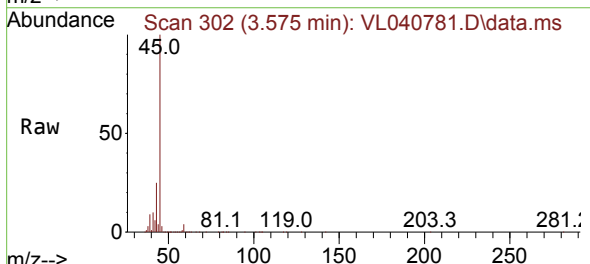
Instrument :
MSVOA_L
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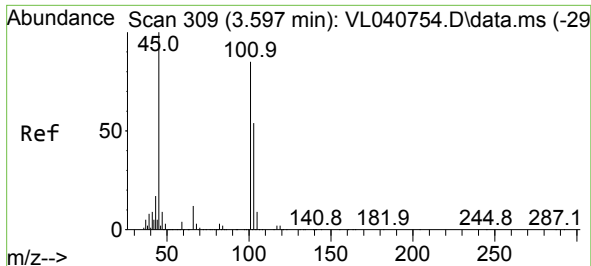
Tgt Ion: 39 Resp: 90267
Ion Ratio Lower Upper
39 100
54 0.0 63.0 94.6#



#17
tert-Butyl alcohol
Concen: 2.174 ppbv
RT: 3.575 min Scan# 302
Delta R.T. -0.325 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 59 Resp: 203402
Ion Ratio Lower Upper
59 100
57 9.8 8.6 13.0

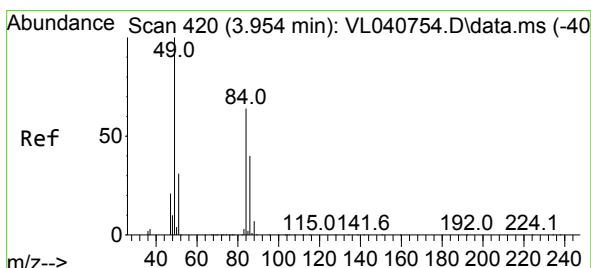
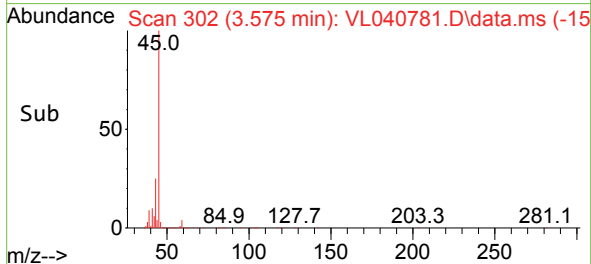
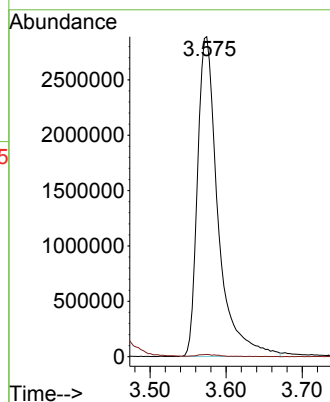
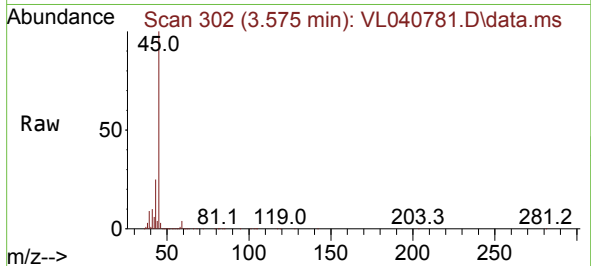




#19
Isopropyl Alcohol
Concen: 92.202 ppbv
RT: 3.575 min Scan# 309
Delta R.T. -0.022 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

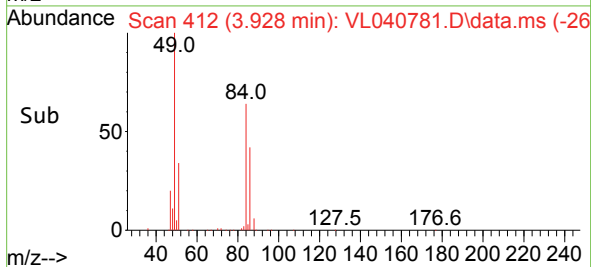
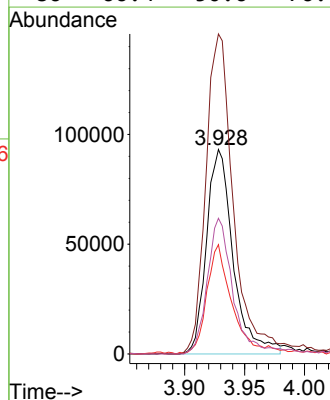
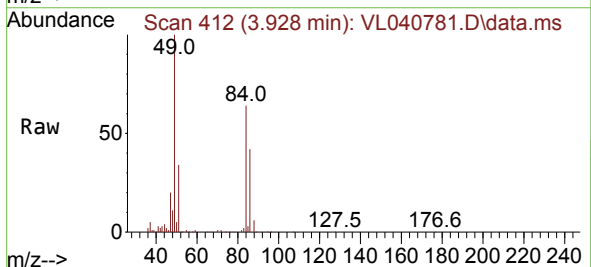
Instrument :
MSVOA_L
ClientSampleId :

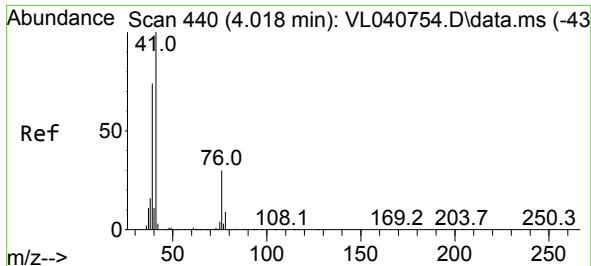
Tgt Ion: 45 Resp: 5414677
Ion Ratio Lower Upper
45 100
58 0.8 30.3 45.5#



#20
Methylene Chloride
Concen: 3.800 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 84 Resp: 144398
Ion Ratio Lower Upper
84 100
49 156.5 125.6 188.4
51 52.6 38.9 58.3
86 66.4 50.6 76.0

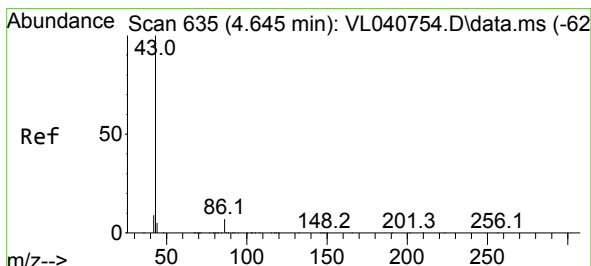
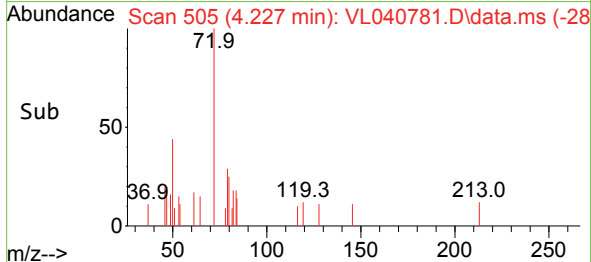
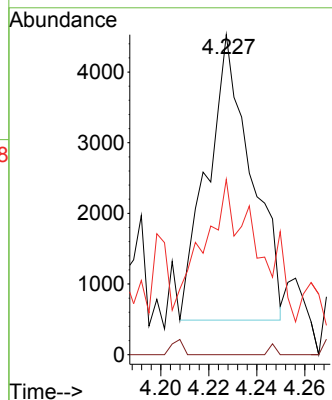
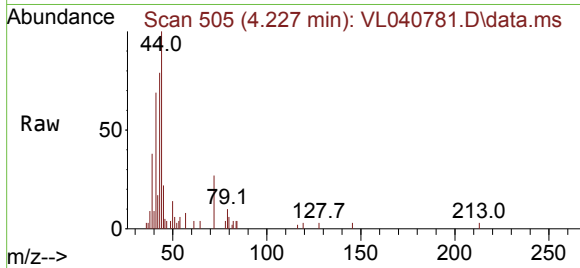




#21
 Allyl Chloride
 Concen: 0.085 ppbv
 RT: 4.227 min Scan# 50
 Delta R.T. 0.209 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

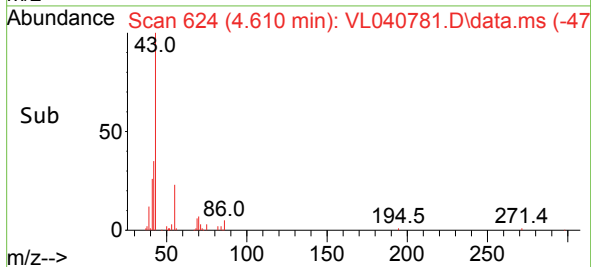
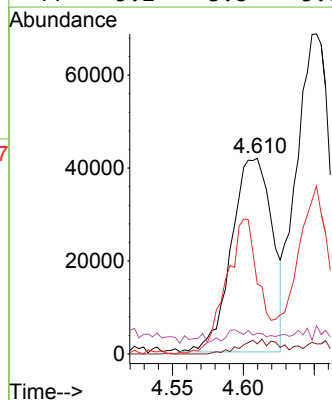
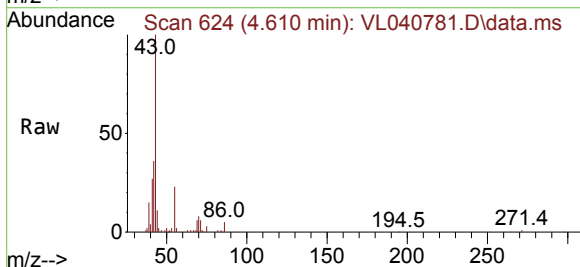
Instrument :
 MSVOA_L
 ClientSampleId :

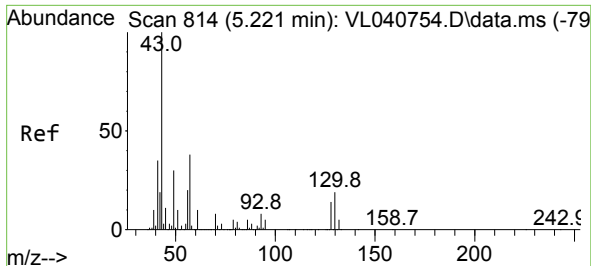
Tgt Ion: 41 Resp: 5131
 Ion Ratio Lower Upper
 41 100
 76 6.3 24.1 36.1#
 39 0.0 63.8 95.6#



#23
 Vinyl Acetate
 Concen: 0.715 ppbv
 RT: 4.610 min Scan# 624
 Delta R.T. -0.035 min
 Lab File: VL040781.D
 Acq: 23 Oct 2023 16:35

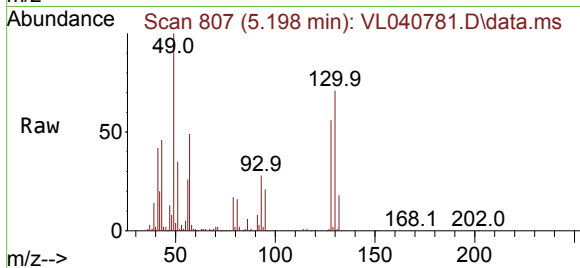
Tgt Ion: 43 Resp: 83070
 Ion Ratio Lower Upper
 43 100
 86 5.2 4.9 7.3
 42 35.1 7.8 11.6#
 44 5.2 3.8 5.6



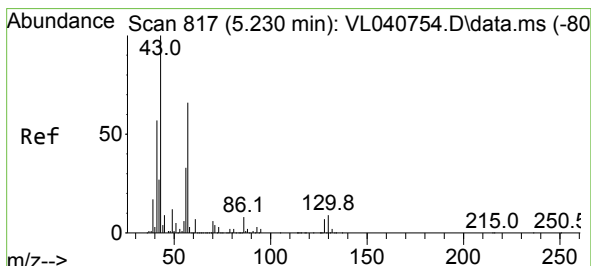
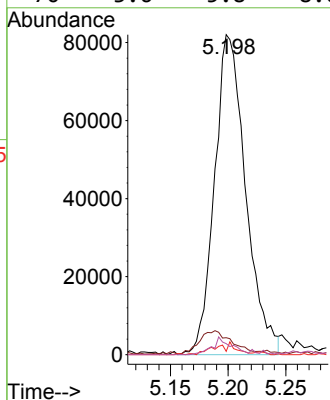
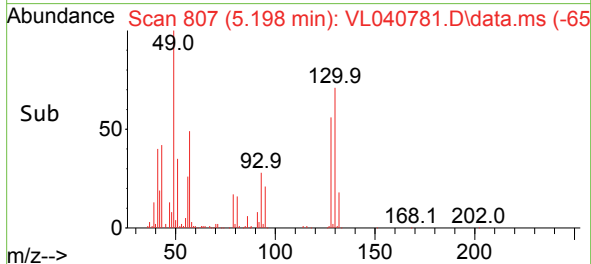


#25
Ethyl Acetate
Concen: 0.771 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.022 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :

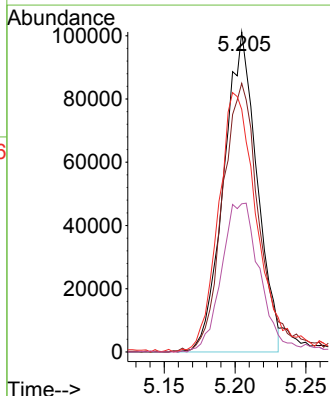
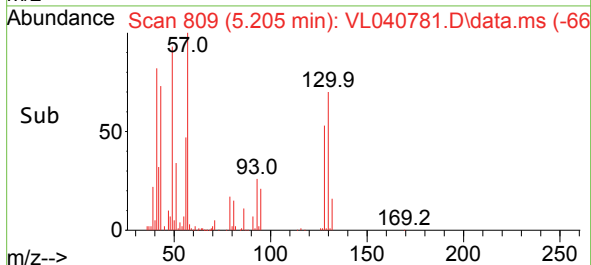
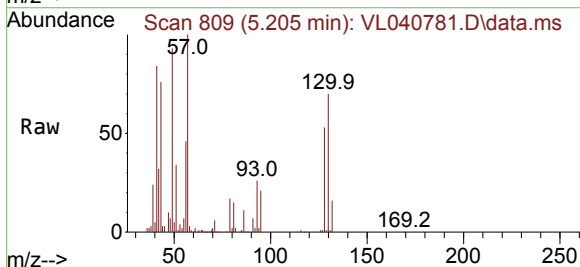


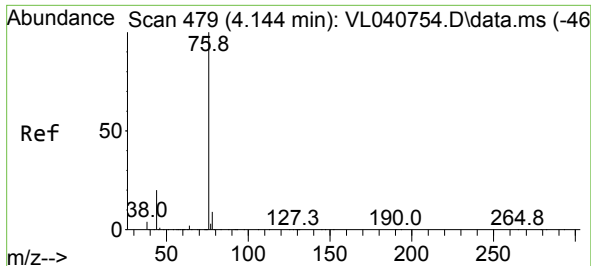
Tgt Ion: 43 Resp: 154057
Ion Ratio Lower Upper
43 100
45 8.1 8.2 12.4#
61 3.0 8.2 12.2#
70 3.6 5.8 8.6#



#26
Hexane
Concen: 1.809 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 57 Resp: 165253
Ion Ratio Lower Upper
57 100
41 97.1 71.4 107.2
43 99.1 182.3 273.5#
56 55.0 42.0 63.0

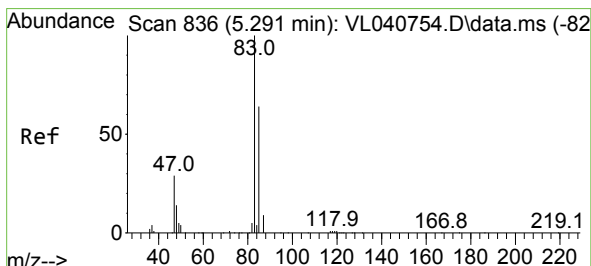
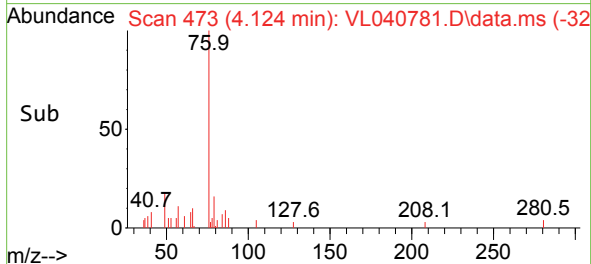
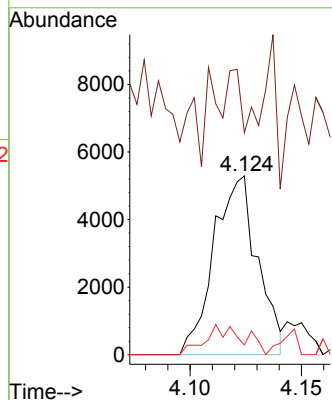
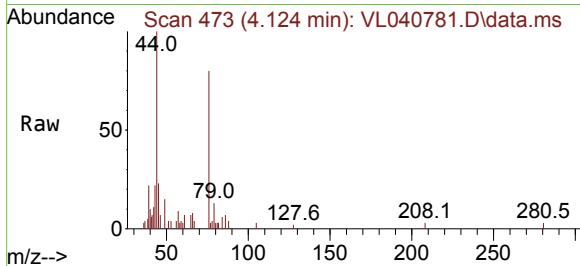




#27
Carbon Disulfide
Concen: 0.071 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

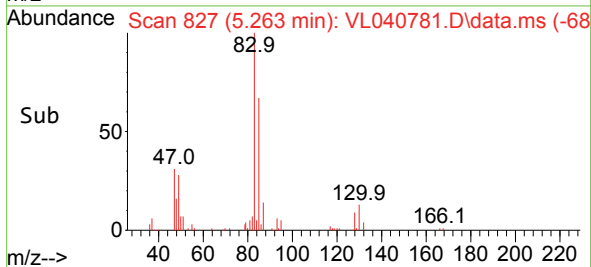
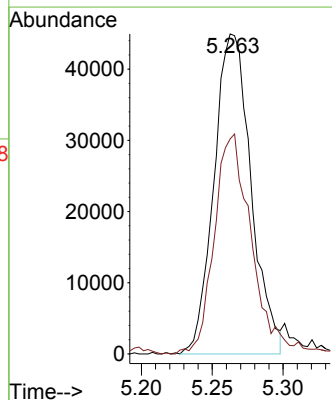
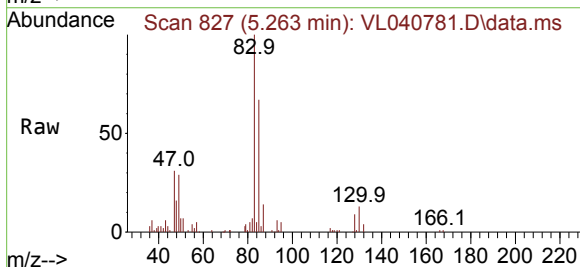
Instrument :
MSVOA_L
ClientSampleId :

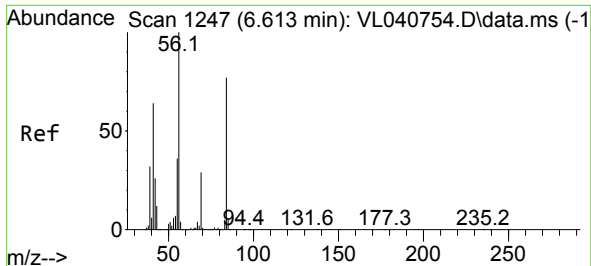
Tgt Ion: 76 Resp: 7205
Ion Ratio Lower Upper
76 100
44 67.1 16.6 25.0#
78 23.4 7.8 11.6#



#29
Chloroform
Concen: 0.619 ppbv
RT: 5.263 min Scan# 827
Delta R.T. -0.029 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 83 Resp: 81841
Ion Ratio Lower Upper
83 100
85 66.0 51.3 76.9

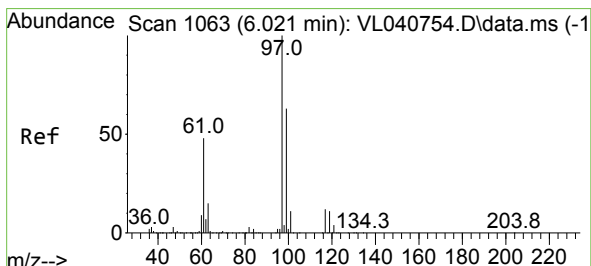
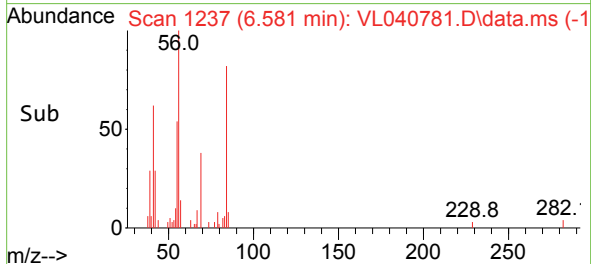
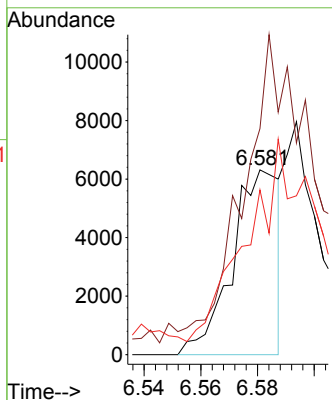
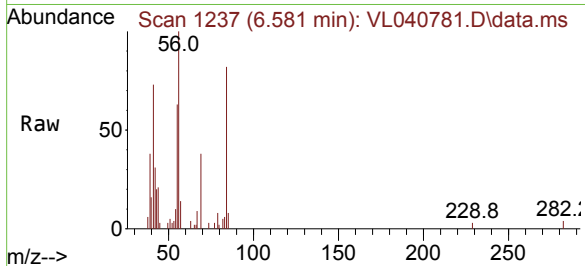




#30
Cyclohexane
Concen: 0.093 ppbv
RT: 6.581 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

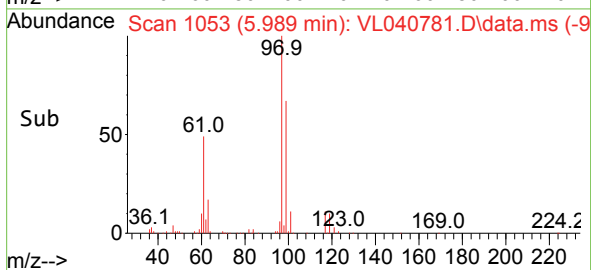
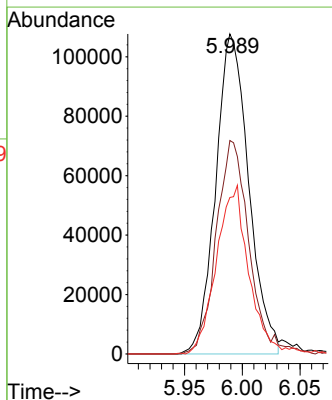
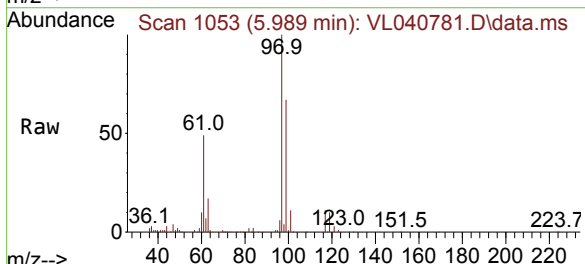
Instrument :
MSVOA_L
ClientSampleId :

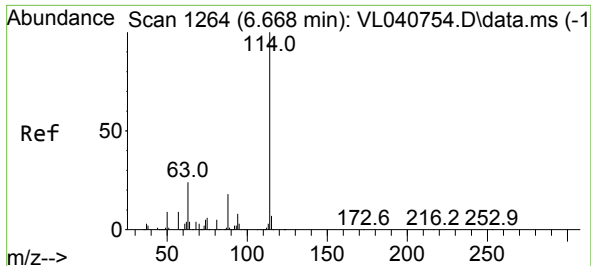
Tgt Ion: 84 Resp: 7252
Ion Ratio Lower Upper
84 100
56 221.0 110.3 165.5#
41 183.1 67.4 101.2#



#32
1,1,1-Trichloroethane
Concen: 1.521 ppbv
RT: 5.989 min Scan# 1053
Delta R.T. -0.032 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 97 Resp: 213998
Ion Ratio Lower Upper
97 100
99 66.8 51.8 77.6
61 52.2 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: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

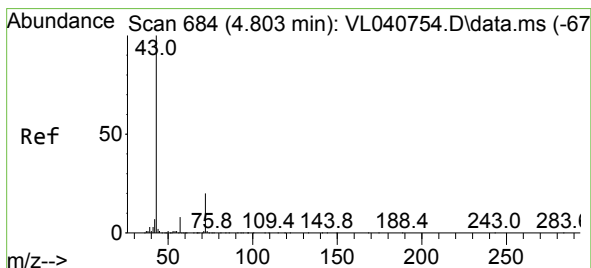
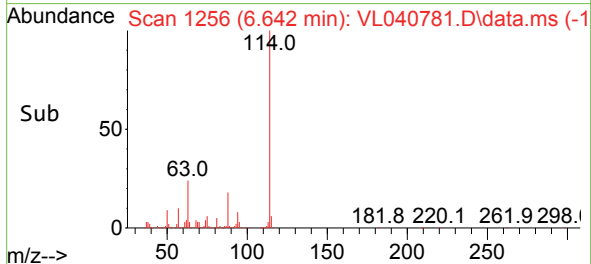
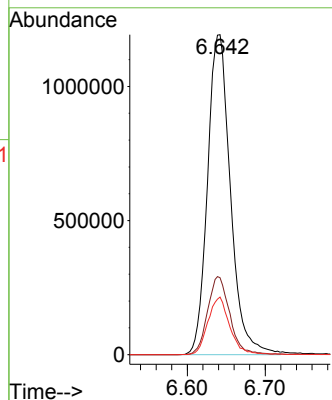
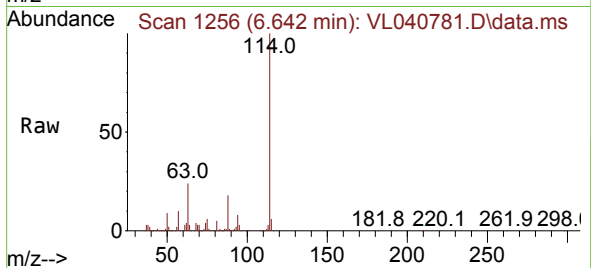
Tgt Ion:114 Resp: 2437866

Ion Ratio Lower Upper

114 100

63 23.8 19.8 29.6

88 17.3 14.2 21.2



#34

2-Butanone

Concen: 0.848 ppbv

RT: 4.780 min Scan# 677

Delta R.T. -0.022 min

Lab File: VL040781.D

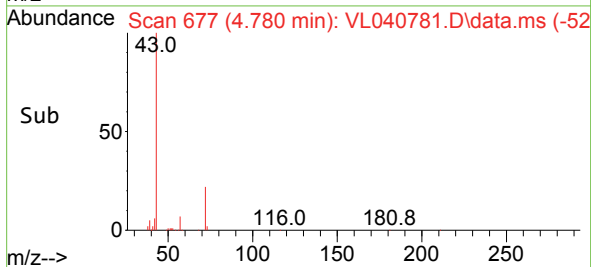
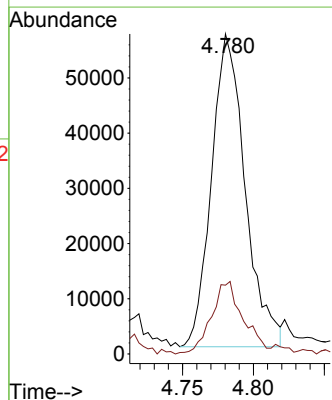
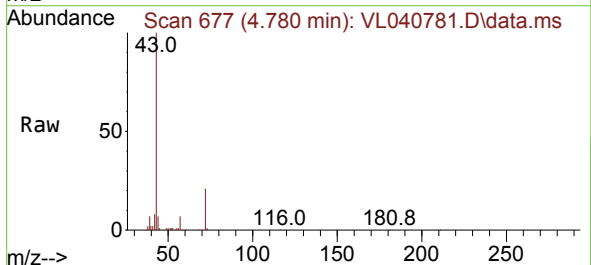
Acq: 23 Oct 2023 16:35

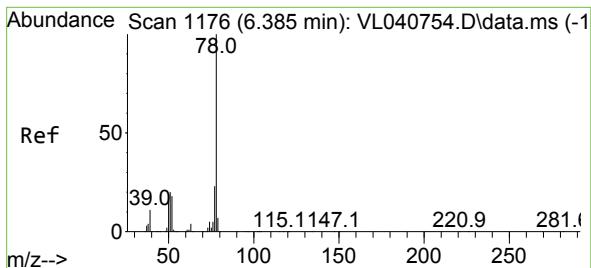
Tgt Ion: 43 Resp: 93600

Ion Ratio Lower Upper

43 100

72 24.1 16.8 25.2





#36

Benzene

Concen: 0.625 ppbv

RT: 6.359 min Scan# 1176

Delta R.T. -0.026 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

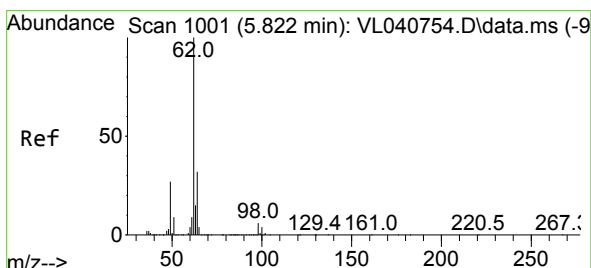
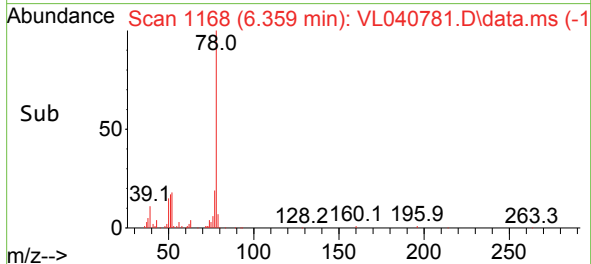
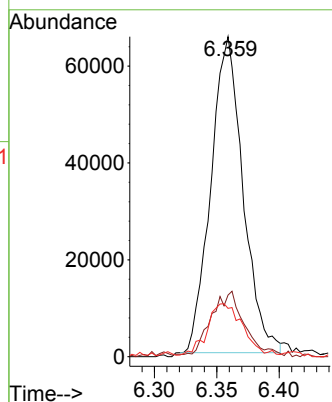
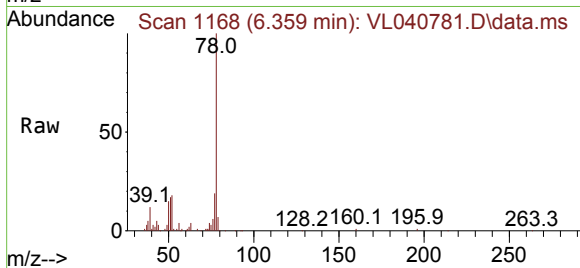
Tgt Ion: 78 Resp: 117251

Ion Ratio Lower Upper

78 100

77 18.7 18.4 27.6

50 14.8 15.0 22.4#



#37

1,2-Dichloroethane

Concen: 0.343 ppbv

RT: 5.796 min Scan# 993

Delta R.T. -0.026 min

Lab File: VL040781.D

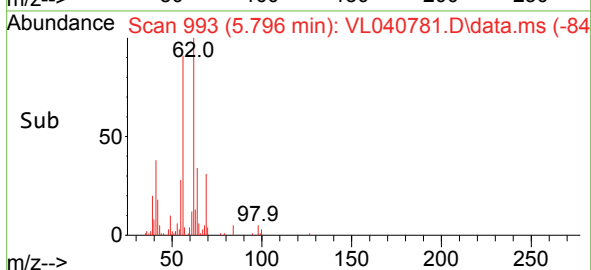
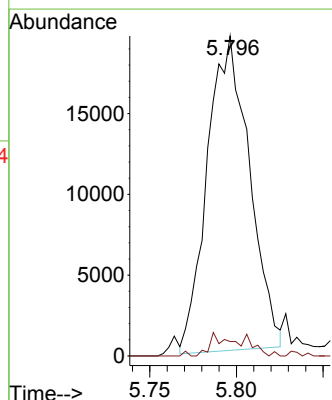
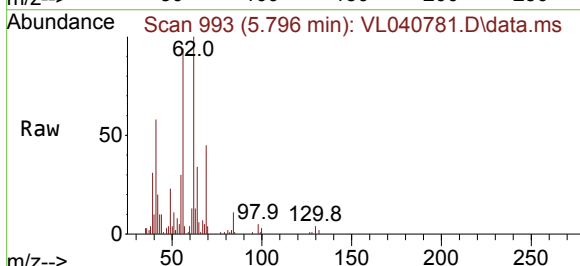
Acq: 23 Oct 2023 16:35

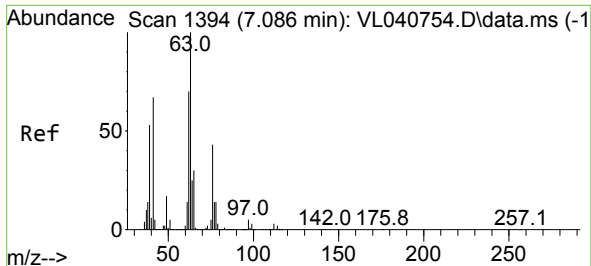
Tgt Ion: 62 Resp: 32965

Ion Ratio Lower Upper

62 100

98 6.1 5.4 8.0





#39

1,2-Dichloropropane

Concen: 7.824 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.447 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

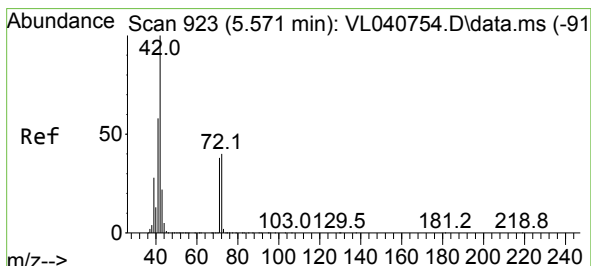
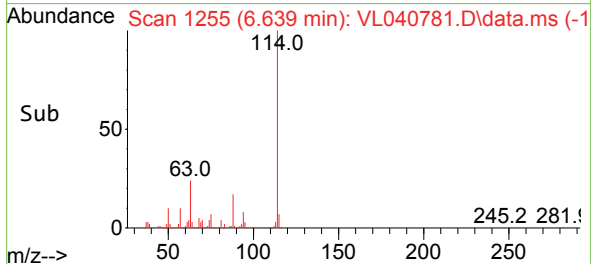
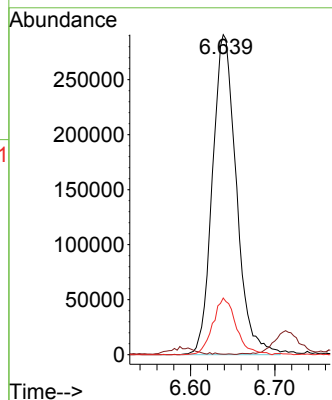
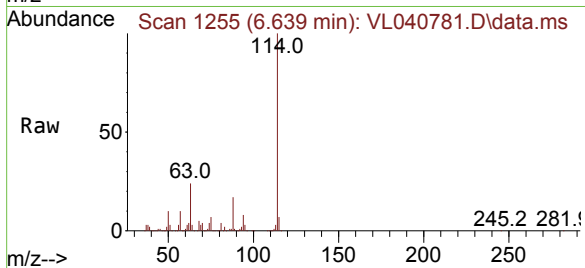
Tgt Ion: 63 Resp: 573145

Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 17.7 55.7 83.5#



#41

Tetrahydrofuran

Concen: 0.038 ppbv

RT: 5.552 min Scan# 917

Delta R.T. -0.019 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

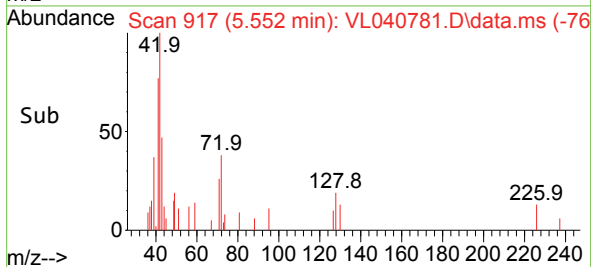
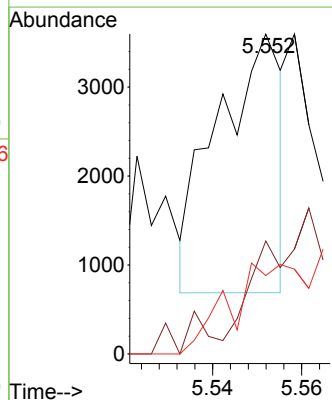
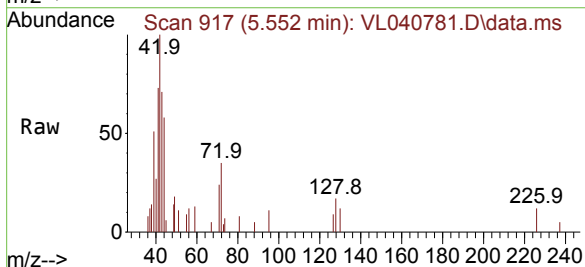
Tgt Ion: 42 Resp: 2923

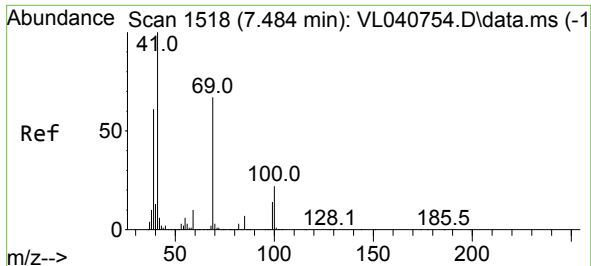
Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 0.0 29.7 44.5#

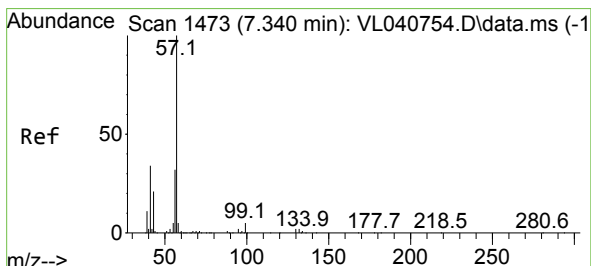
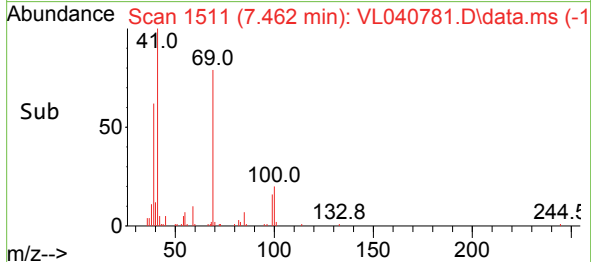
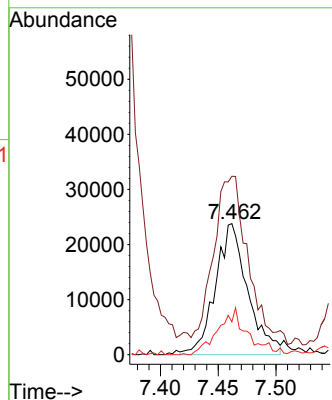
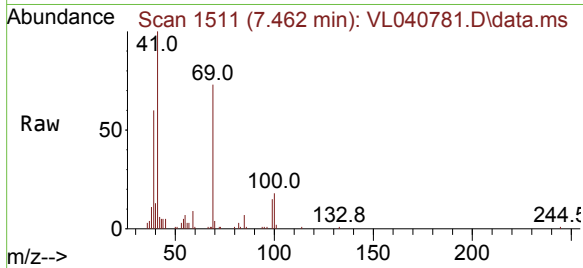




#43
Methyl Methacrylate
Concen: 0.616 ppbv
RT: 7.462 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

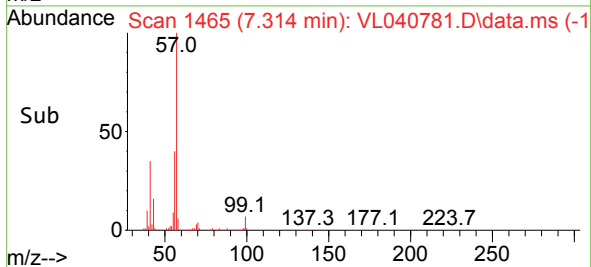
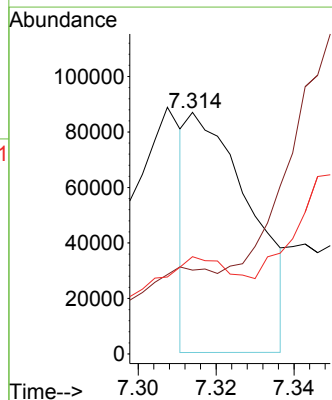
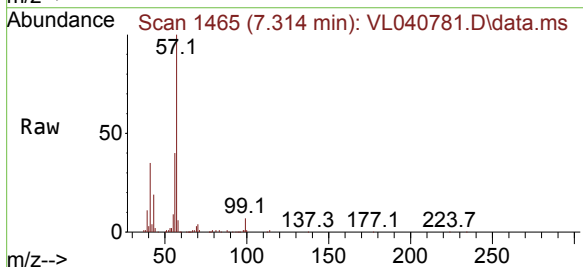
Instrument :
MSVOA_L
ClientSampleId :

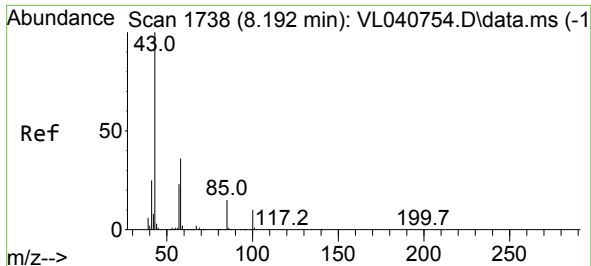
Tgt Ion: 69 Resp: 46252
Ion Ratio Lower Upper
69 100
41 160.5 120.6 181.0
100 32.3 27.1 40.7



#44
2,2,4-Trimethylpentane
Concen: 0.306 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 57 Resp: 97139
Ion Ratio Lower Upper
57 100
41 0.0 27.4 41.0#
56 0.0 25.0 37.6#

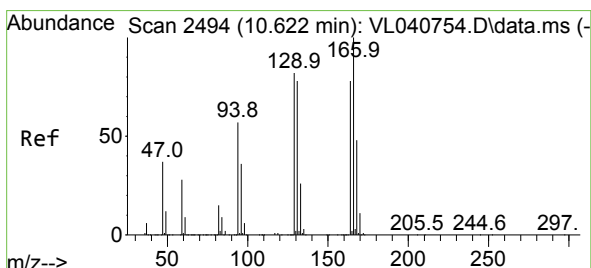
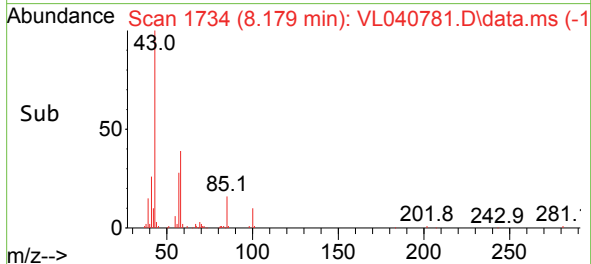
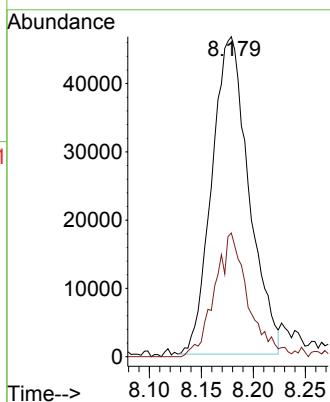
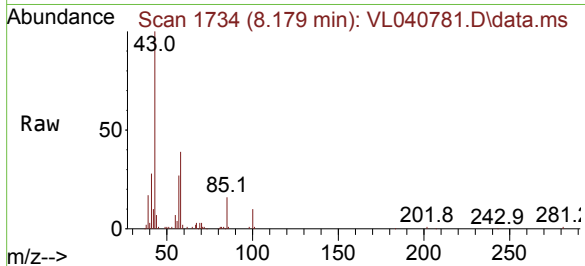




#50
4-Methyl-2-Pentanone
Concen: 0.612 ppbv
RT: 8.179 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

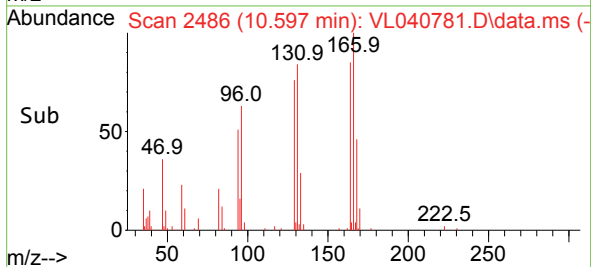
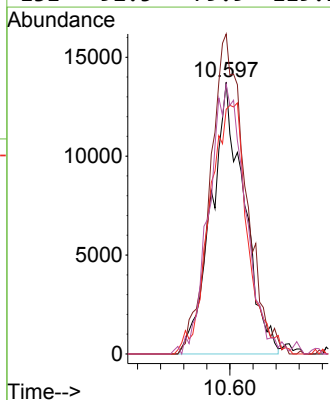
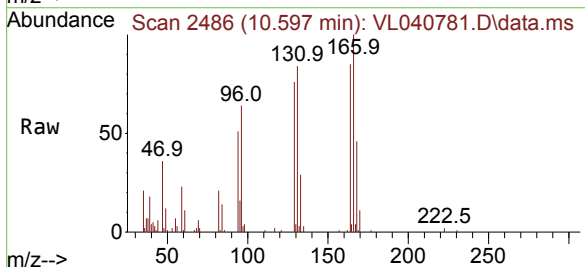
Instrument :
MSVOA_L
ClientSampleId :

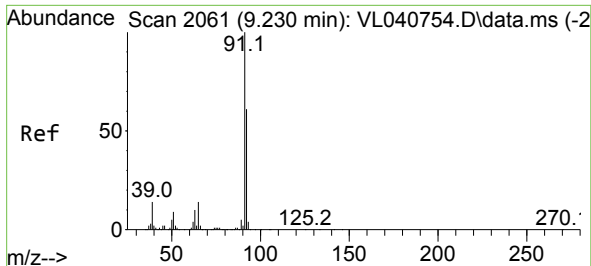
Tgt Ion: 43 Resp: 115501
Ion Ratio Lower Upper
43 100
58 35.5 28.8 43.2



#52
Tetrachloroethene
Concen: 0.359 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 164 Resp: 27314
Ion Ratio Lower Upper
164 100
166 112.4 102.4 153.6
129 84.4 84.2 126.4
131 92.5 79.9 119.9

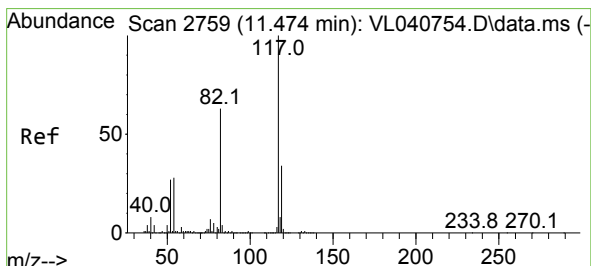
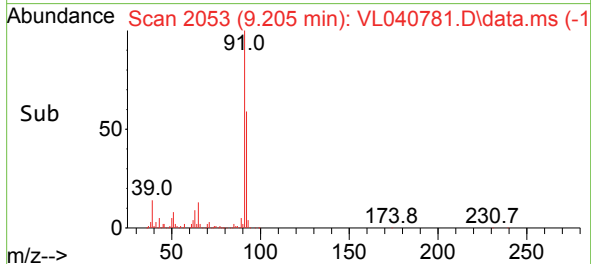
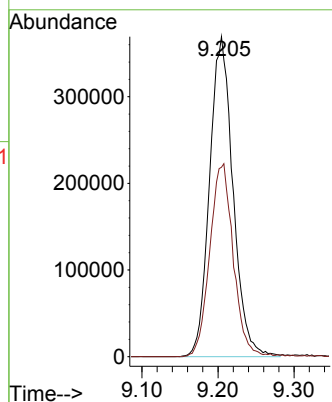
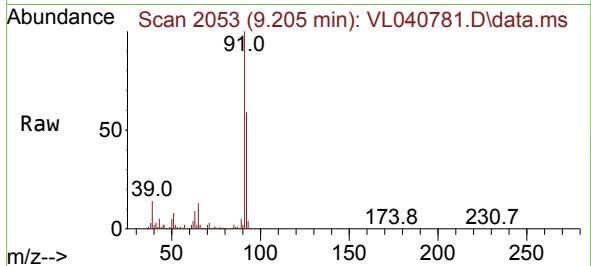




#53
Toluene
Concen: 3.534 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

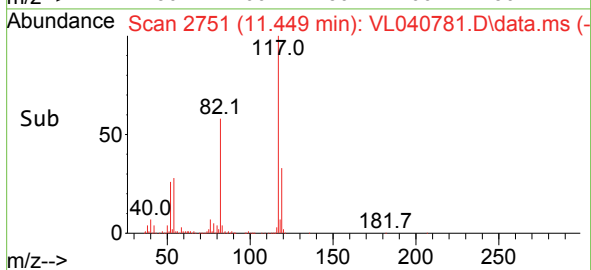
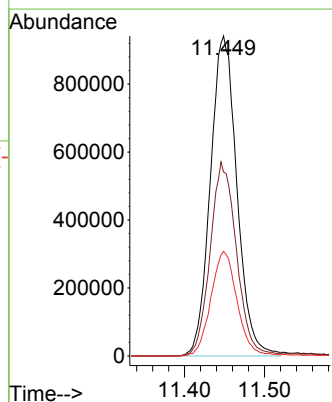
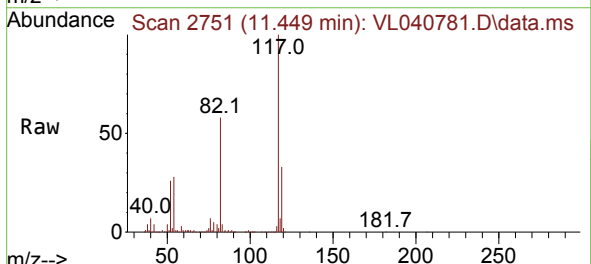
Instrument :
MSVOA_L
ClientSampleId :

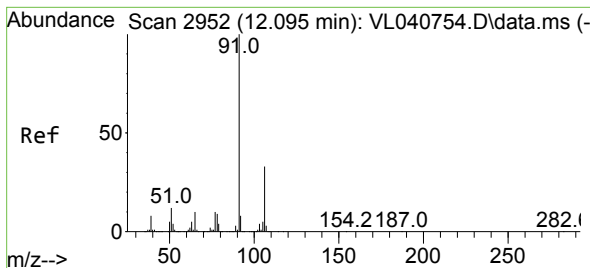
Tgt Ion: 91 Resp: 788622
Ion Ratio Lower Upper
91 100
92 60.8 50.2 75.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 117 Resp: 2170627
Ion Ratio Lower Upper
117 100
82 61.3 46.6 70.0
119 32.8 26.0 39.0





#58

Ethyl Benzene

Concen: 1.145 ppbv

RT: 12.069 min Scan# 2952

Delta R.T. -0.026 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

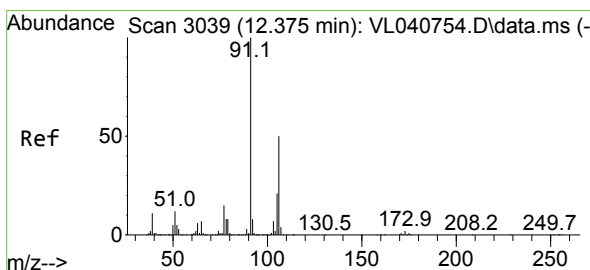
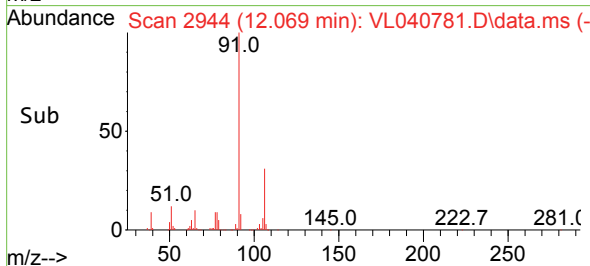
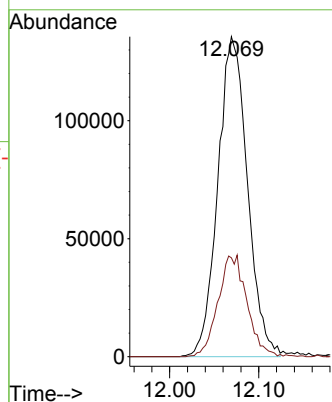
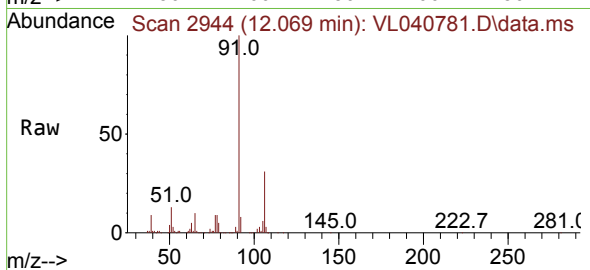
ClientSampleId :

Tgt Ion: 91 Resp: 312910

Ion Ratio Lower Upper

91 100

106 30.9 26.7 40.1



#59

m/p-Xylene

Concen: 4.156 ppbv

RT: 12.327 min Scan# 3024

Delta R.T. -0.048 min

Lab File: VL040781.D

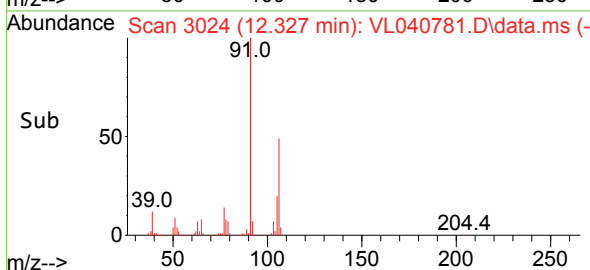
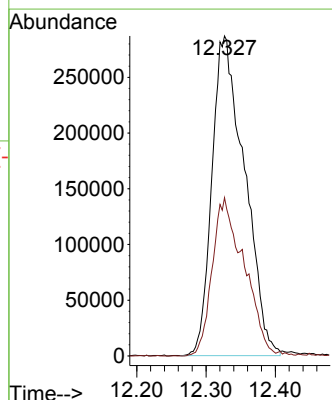
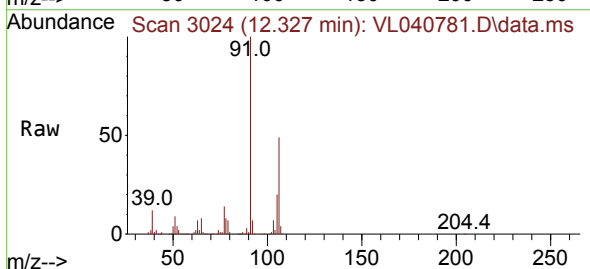
Acq: 23 Oct 2023 16:35

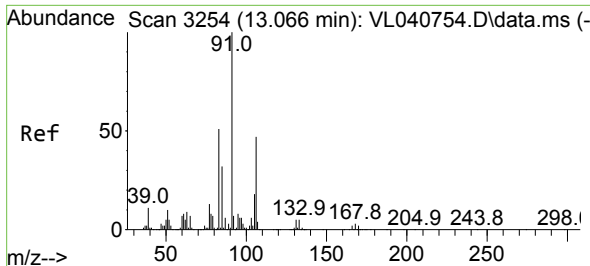
Tgt Ion: 91 Resp: 934918

Ion Ratio Lower Upper

91 100

106 49.1 37.7 56.5

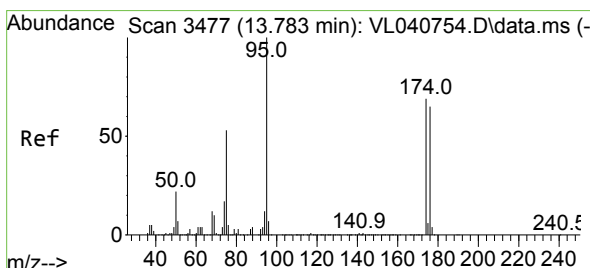
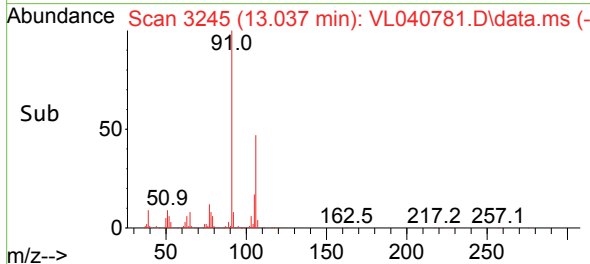
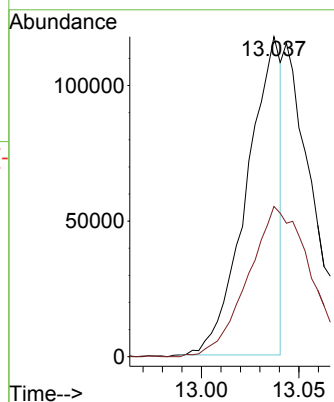
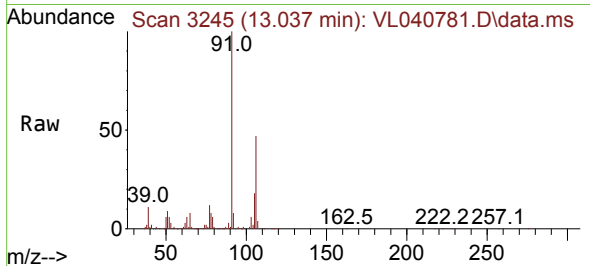




#60
o-Xylene
Concen: 0.671 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.029 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

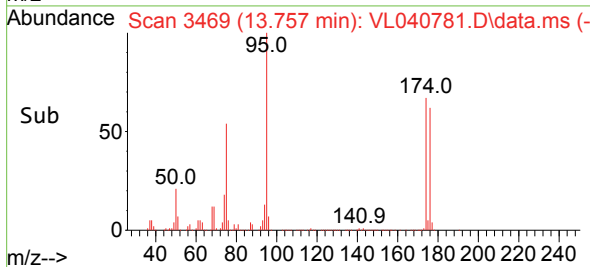
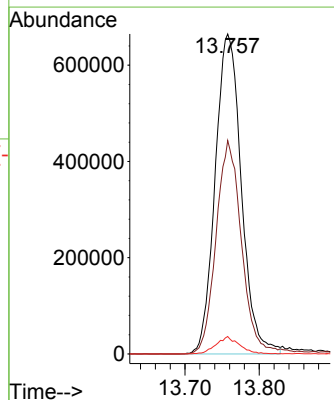
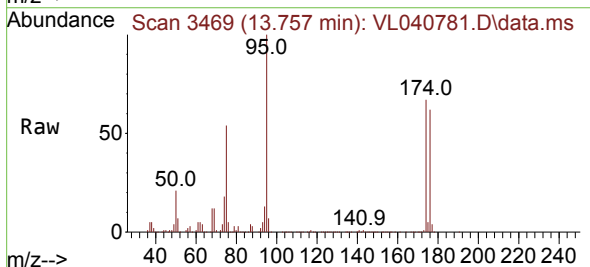
Instrument :
MSVOA_L
ClientSampleId :

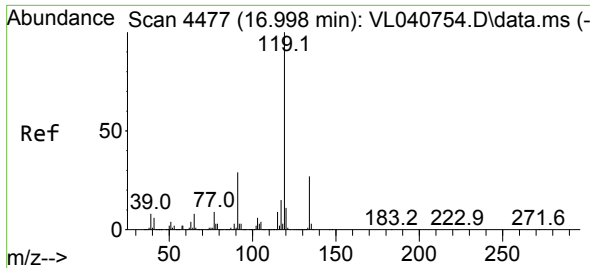
Tgt Ion: 91 Resp: 143879
Ion Ratio Lower Upper
91 100
106 88.3 23.5 70.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.213 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.026 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion: 95 Resp: 1631149
Ion Ratio Lower Upper
95 100
174 65.5 54.7 82.1
175 4.9 4.2 6.4

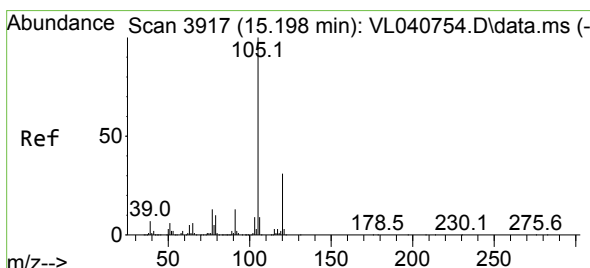
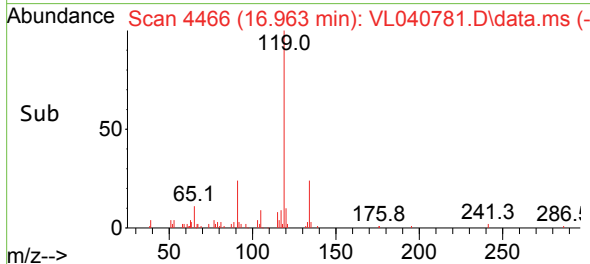
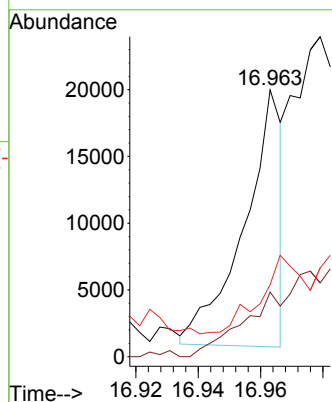
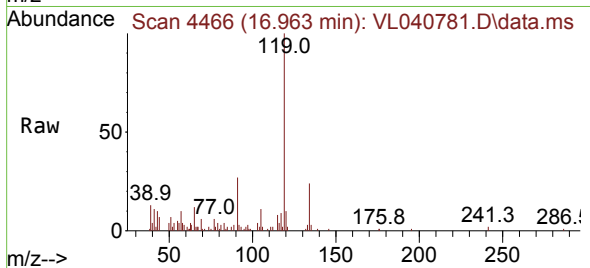




#69
p-Isopropyltoluene
Concen: 0.048 ppbv
RT: 16.963 min Scan# 4477
Delta R.T. -0.035 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

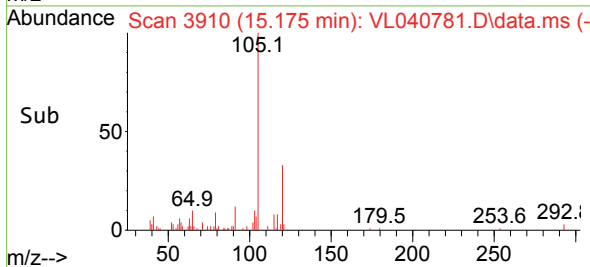
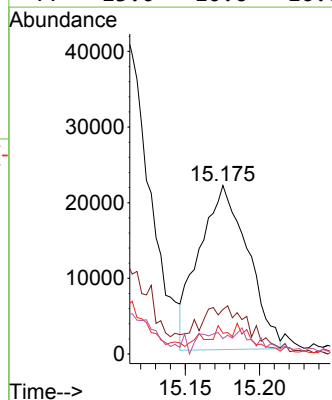
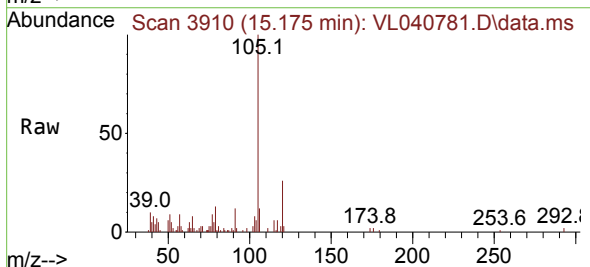
Instrument :
MSVOA_L
ClientSampleId :

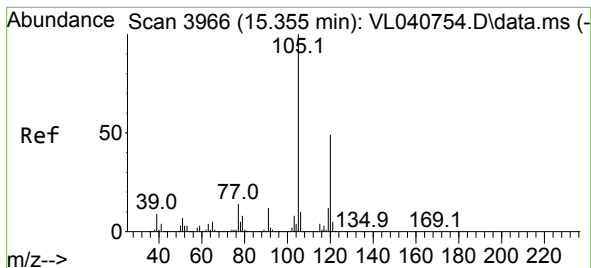
Tgt Ion:119 Resp: 16235
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 0.0 22.8 34.2#



#72
4-Ethyltoluene
Concen: 0.197 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. -0.022 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion:105 Resp: 49441
Ion Ratio Lower Upper
105 100
120 33.4 25.0 37.4
91 16.1 9.8 14.8#
77 13.0 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 0.109 ppbv

RT: 15.330 min Scan# 3966

Delta R.T. -0.026 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

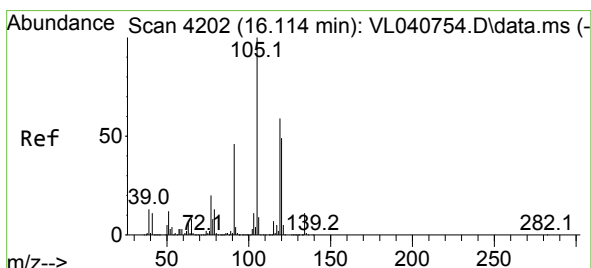
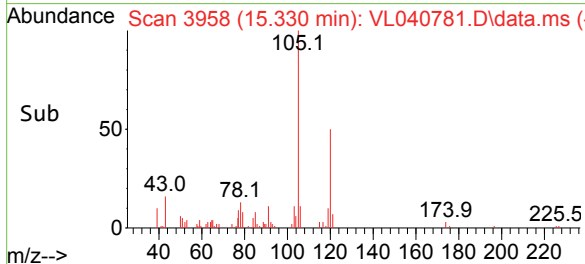
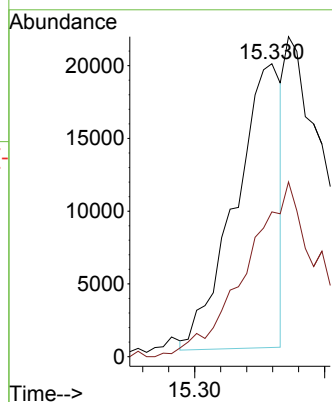
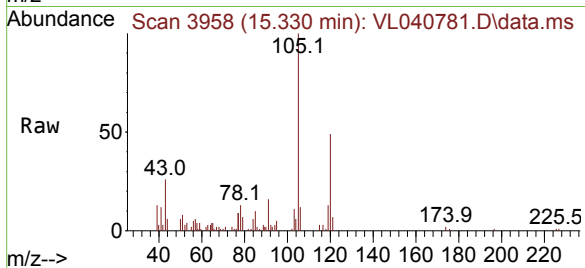
ClientSampleId :

Tgt Ion:105 Resp: 24101

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.2



#74

1,2,4-Trimethylbenzene

Concen: 0.689 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. -0.029 min

Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Tgt Ion:105 Resp: 166355

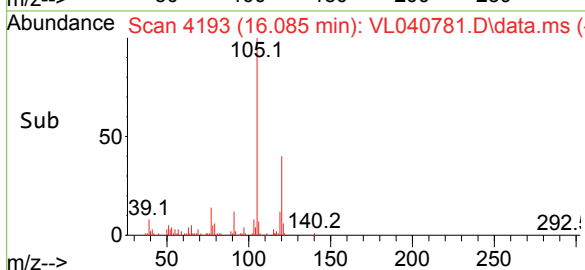
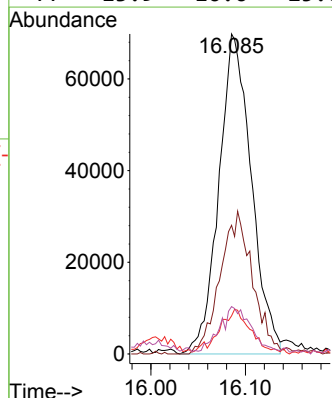
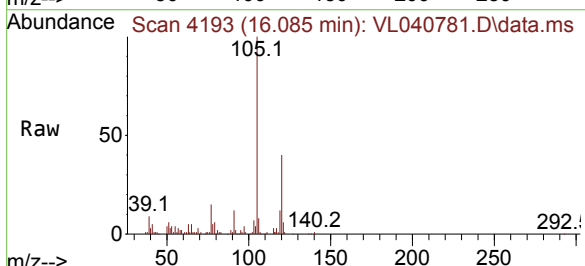
Ion Ratio Lower Upper

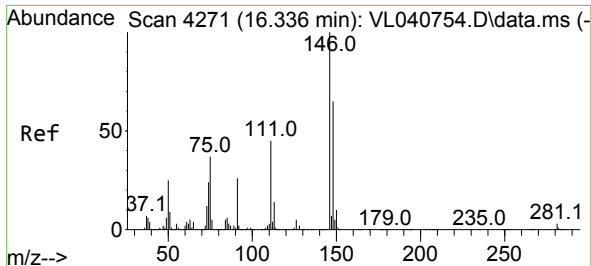
105 100

120 40.3 39.4 59.2

91 11.2 38.6 58.0#

77 13.9 16.6 25.0#

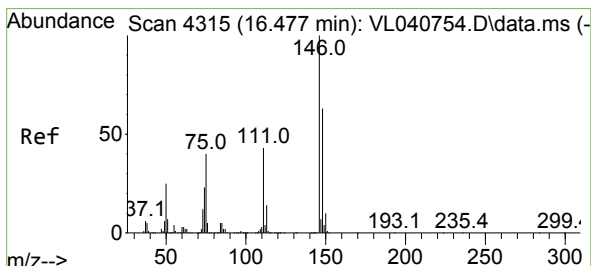
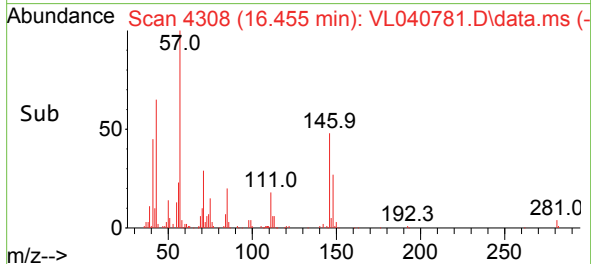
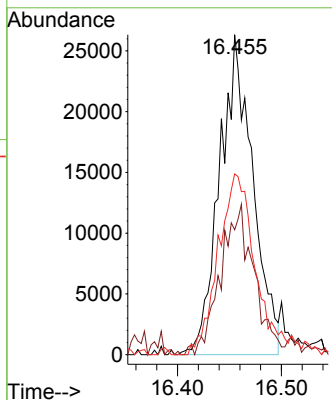
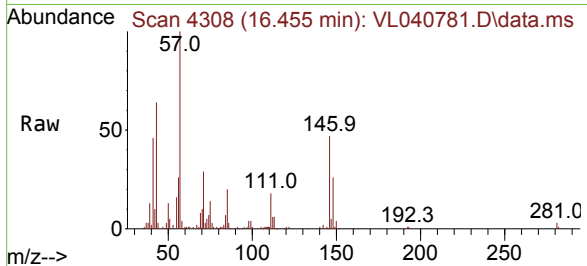




#75
1,3-Dichlorobenzene
Concen: 0.388 ppbv
RT: 16.455 min Scan# 41
Delta R.T. 0.119 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

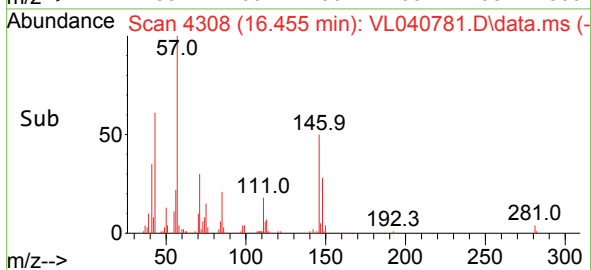
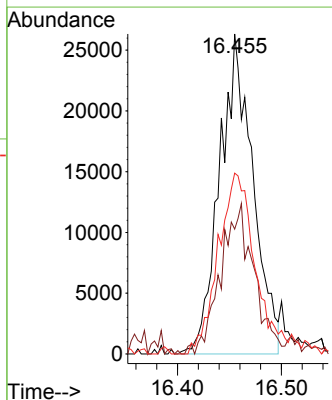
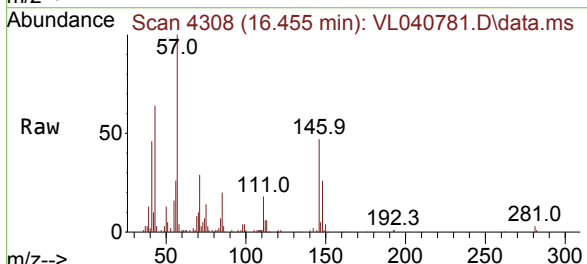
Instrument :
MSVOA_L
ClientSampleId :

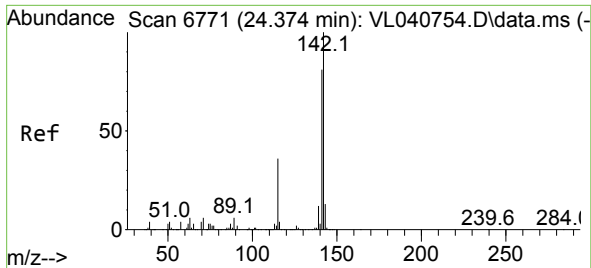
Tgt Ion:146 Resp: 58246
Ion Ratio Lower Upper
146 100
111 50.6 22.6 67.7
148 66.0 32.4 97.0



#76
1,4-Dichlorobenzene
Concen: 0.392 ppbv
RT: 16.455 min Scan# 4308
Delta R.T. -0.022 min
Lab File: VL040781.D
Acq: 23 Oct 2023 16:35

Tgt Ion:146 Resp: 58246
Ion Ratio Lower Upper
146 100
111 50.6 22.0 66.0
148 65.1 33.4 100.1





#80

Naphthalene, 2-methyl-

Concen: 0.091 ppbv

RT: 24.371 min Scan# 61

Delta R.T. -0.003 min

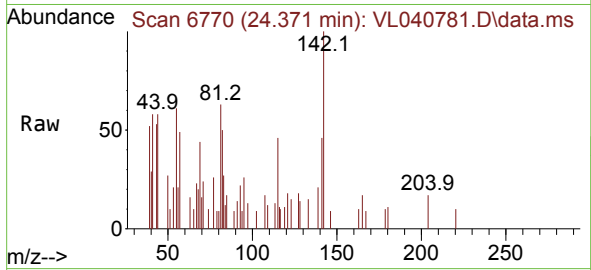
Lab File: VL040781.D

Acq: 23 Oct 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 142 Resp: 5012

Ion Ratio Lower Upper

142 100

141 95.0 66.3 99.5

115 51.4 30.0 45.0#

