

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040780.D
 Acq On : 23 Oct 2023 15:54
 Operator : SY/MD
 Sample : 05004-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 24 05:35:56 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)

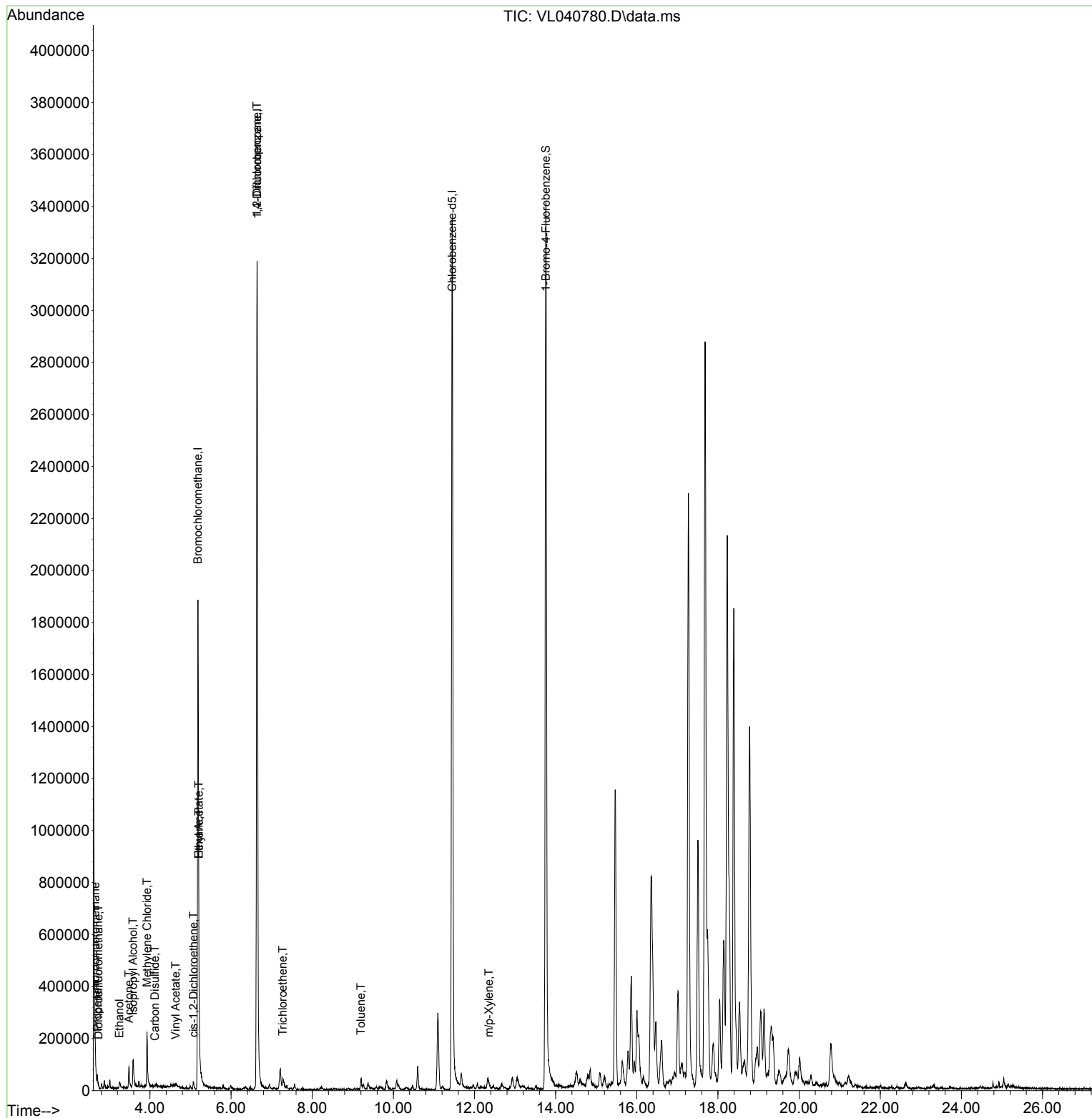
Internal Standards						
1) Bromochloromethane	5.182	49	938887	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2630023	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2384165	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1827274	10.416	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	6268	0.038	ppbv	100
3) Chlorodifluoromethane	2.655	51	35212	0.255	ppbv #	64
9) Propene	2.703	41	9663	0.189	ppbv	85
13) Ethanol	3.250	45	21595	1.867	ppbv	83
15) Acetone	3.481	43	40531	0.418	ppbv #	45
19) Isopropyl Alcohol	3.584	45	52578	0.841	ppbv #	45
20) Methylene Chloride	3.928	84	66678	1.649	ppbv	94
23) Vinyl Acetate	4.632	43	5301	0.043	ppbv #	83
25) Ethyl Acetate	5.205	43	40559	0.191	ppbv #	79
26) Hexane	5.205	57	54785	0.564	ppbv #	38
27) Carbon Disulfide	4.124	76	3575	0.033	ppbv #	1
31) cis-1,2-Dichloroethene	5.073	61	6917	0.077	ppbv #	71
38) Trichloroethene	7.272	130	4116	0.046	ppbv #	88
39) 1,2-Dichloropropane	6.639	63	614462	7.775	ppbv #	26
53) Toluene	9.201	91	13886	0.058	ppbv #	8
59) m/p-Xylene	12.356	91	10318	0.042	ppbv #	30

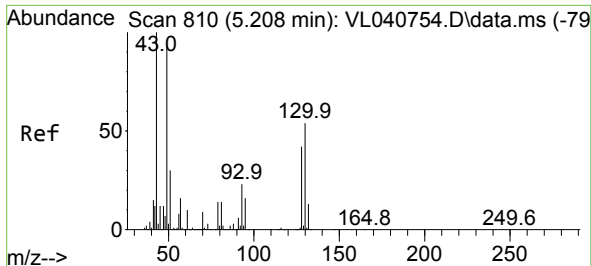
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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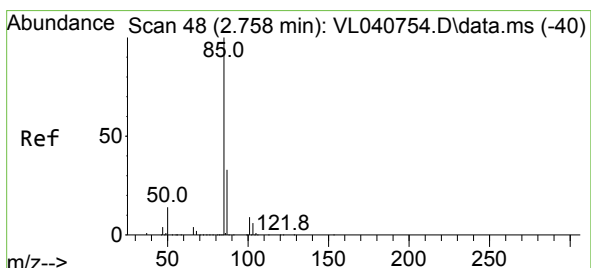
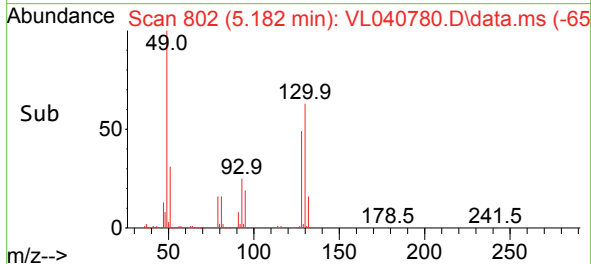
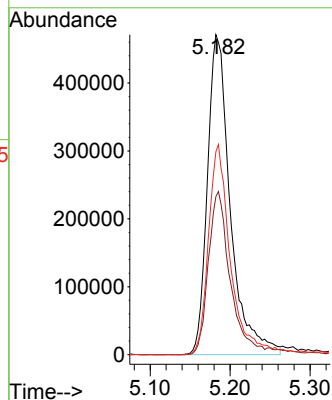
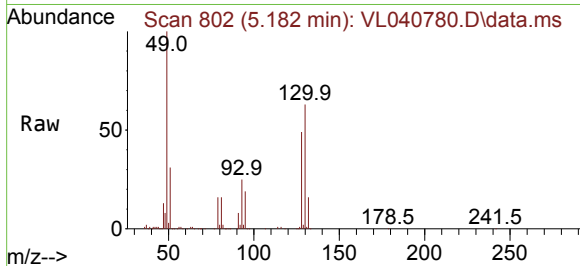




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. -0.026 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

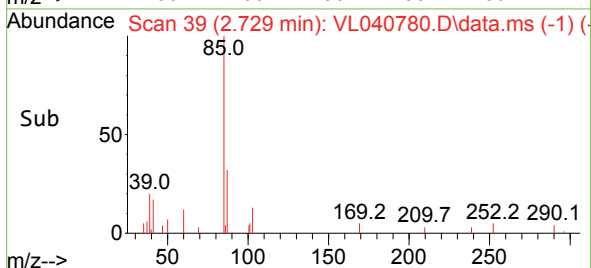
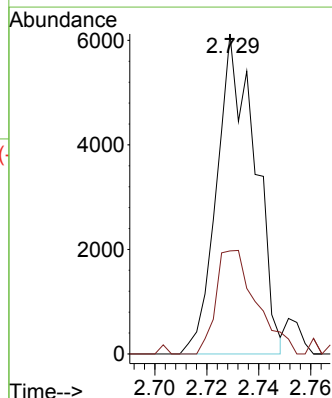
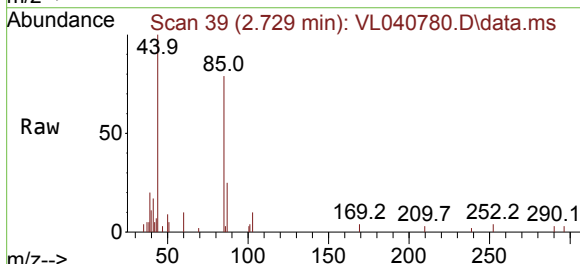
Instrument :
 MSVOA_L
 ClientSampleId :

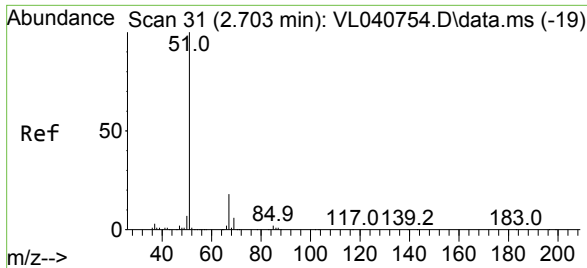
Tgt Ion: 49 Resp: 938887
 Ion Ratio Lower Upper
 49 100
 128 50.8 23.9 71.7
 130 65.0 30.7 92.1



#2
 Dichlorodifluoromethane
 Concen: 0.038 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. -0.029 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Tgt Ion: 85 Resp: 6268
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0

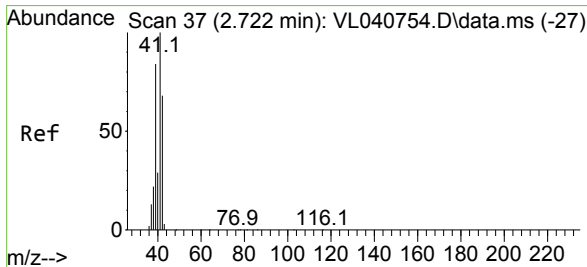
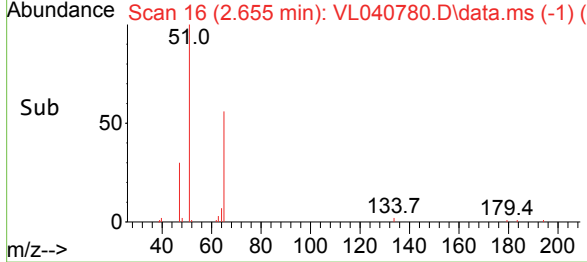
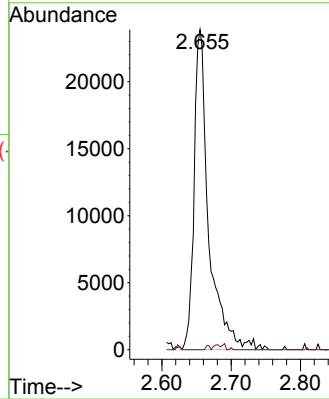
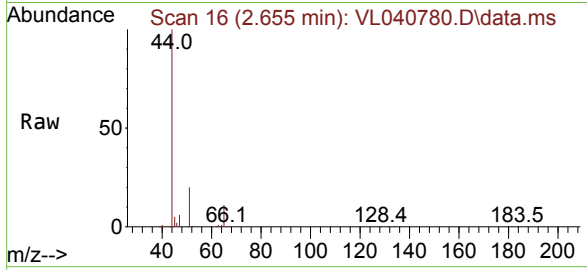




#3
 Chlorodifluoromethane
 Concen: 0.255 ppbv
 RT: 2.655 min Scan# 1
 Delta R.T. -0.048 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

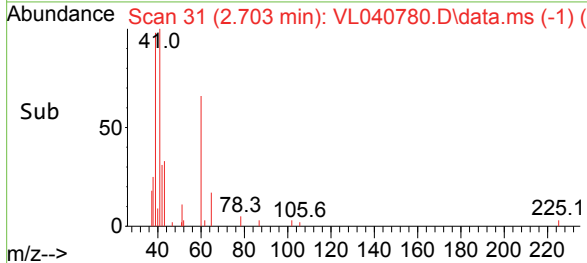
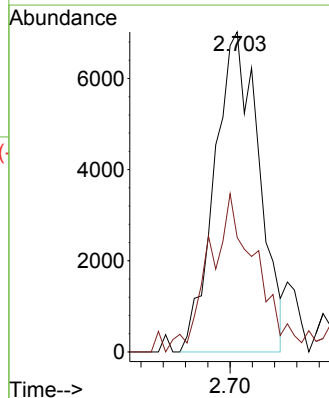
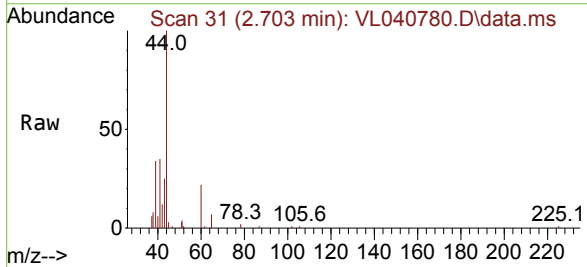
Instrument :
 MSVOA_L
 ClientSampleId :

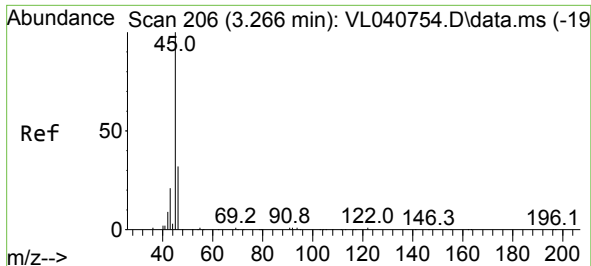
Tgt Ion: 51 Resp: 35212
 Ion Ratio Lower Upper
 51 100
 67 1.5 13.8 20.6#



#9
 Propene
 Concen: 0.189 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Tgt Ion: 41 Resp: 9663
 Ion Ratio Lower Upper
 41 100
 42 58.6 57.1 85.7

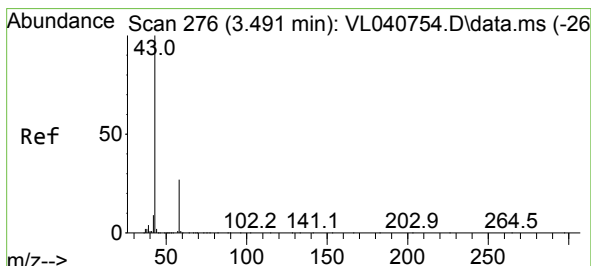
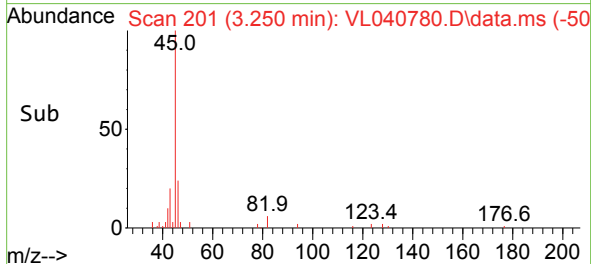
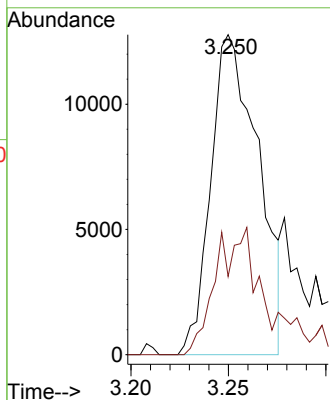
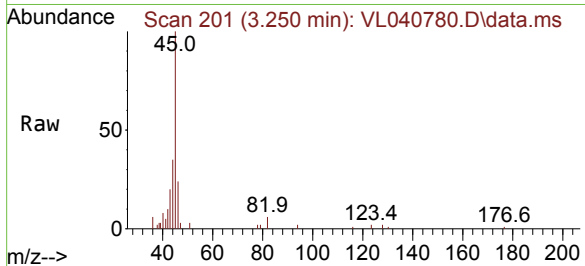




#13
Ethanol
Concen: 1.867 ppbv
RT: 3.250 min Scan# 206
Delta R.T. -0.016 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

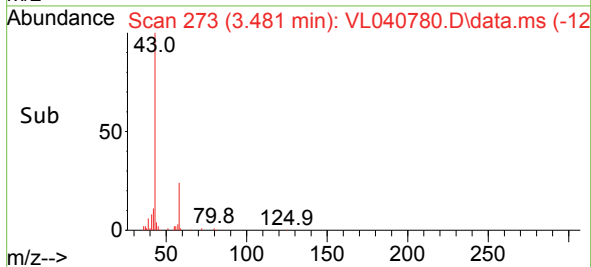
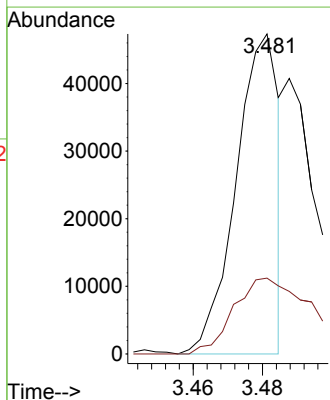
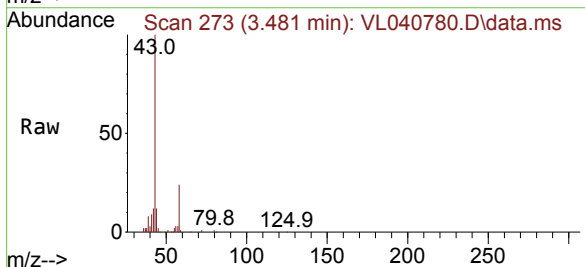
Instrument :
MSVOA_L
ClientSampleId :

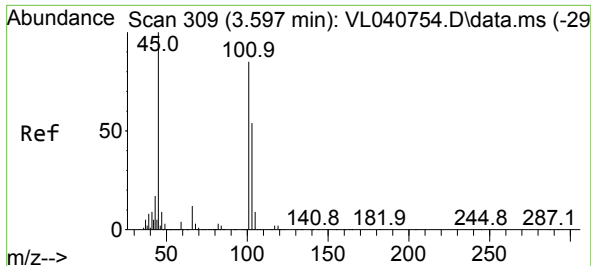
Tgt Ion: 45 Resp: 21595
Ion Ratio Lower Upper
45 100
46 46.2 14.6 58.2



#15
Acetone
Concen: 0.418 ppbv
RT: 3.481 min Scan# 273
Delta R.T. -0.010 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 43 Resp: 40531
Ion Ratio Lower Upper
43 100
58 55.5 21.6 32.4#

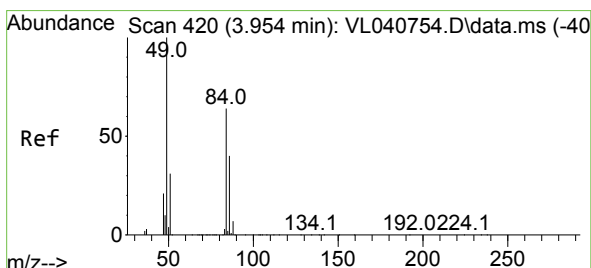
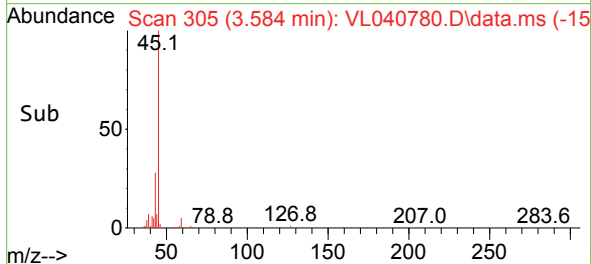
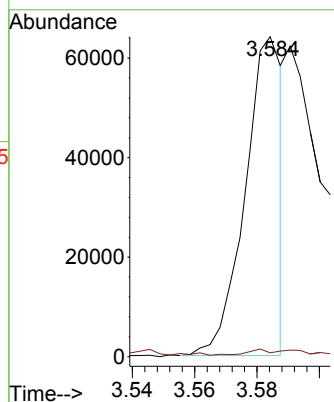
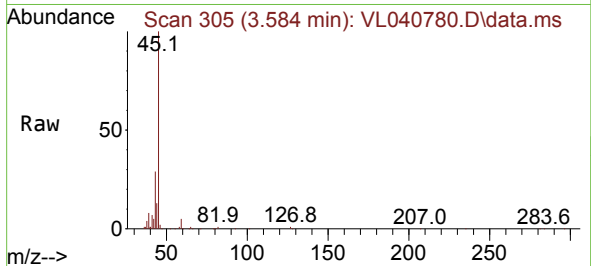




#19
Isopropyl Alcohol
Concen: 0.841 ppbv
RT: 3.584 min Scan# 309
Delta R.T. -0.013 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

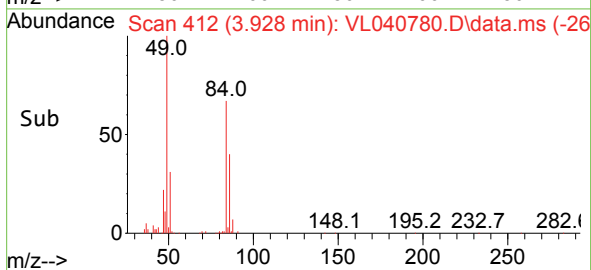
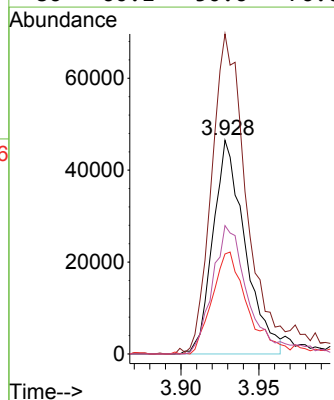
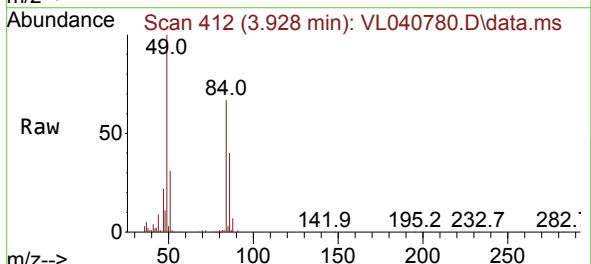
Instrument :
MSVOA_L
ClientSampleId :

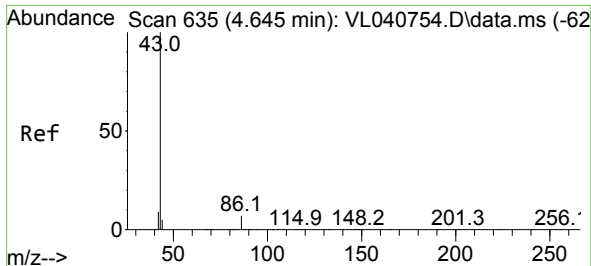
Tgt Ion: 45 Resp: 52578
Ion Ratio Lower Upper
45 100
58 4.9 30.3 45.5#



#20
Methylene Chloride
Concen: 1.649 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

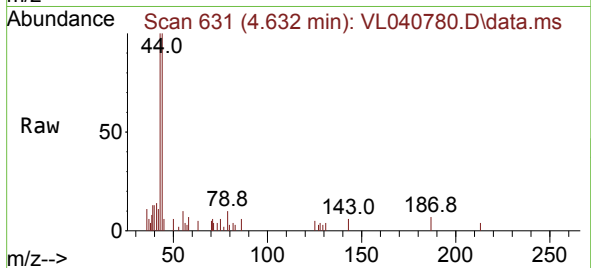
Tgt Ion: 84 Resp: 66678
Ion Ratio Lower Upper
84 100
49 147.2 125.6 188.4
51 46.8 38.9 58.3
86 60.1 50.6 76.0



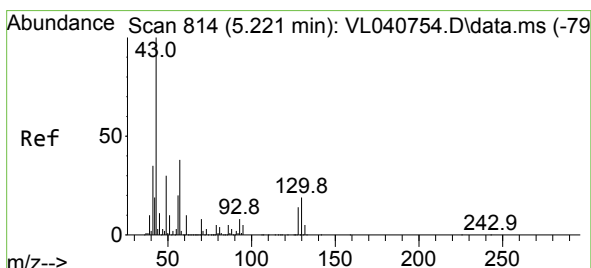
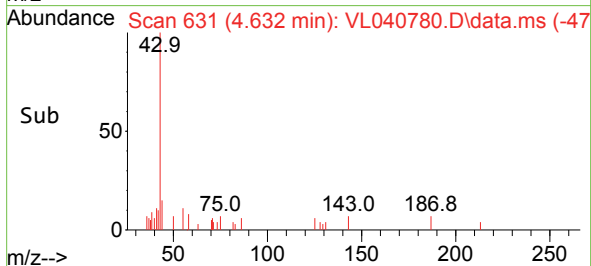
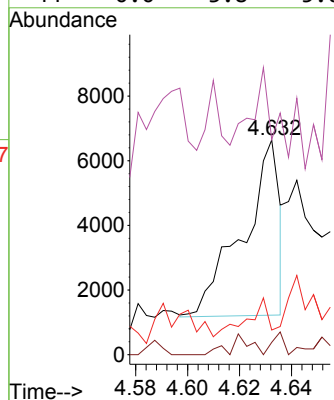


#23
 Vinyl Acetate
 Concen: 0.043 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Instrument :
 MSVOA_L
 ClientSampleId :

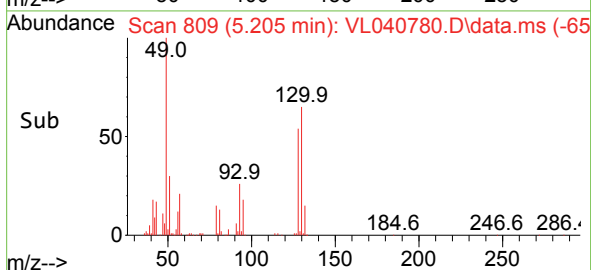
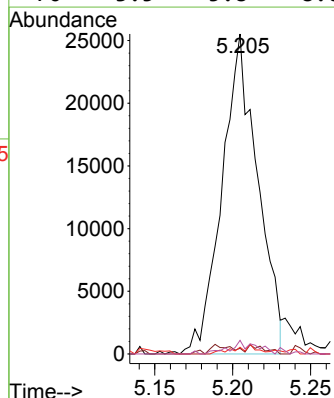
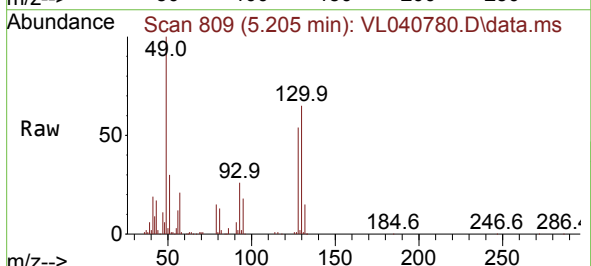


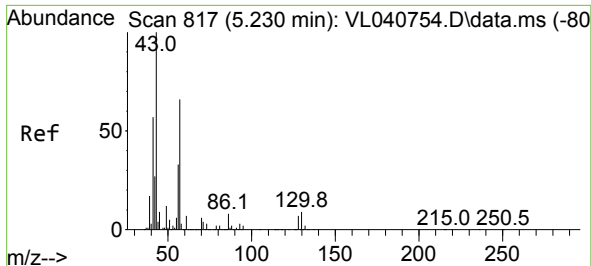
Tgt Ion:	43	Resp:	5301
Ion	Ratio	Lower	Upper
43	100		
86	7.0	4.9	7.3
42	0.0	7.8	11.6#
44	0.0	3.8	5.6#



#25
 Ethyl Acetate
 Concen: 0.191 ppbv
 RT: 5.205 min Scan# 809
 Delta R.T. -0.016 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Tgt Ion:	43	Resp:	40559
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.2	12.4#
61	0.0	8.2	12.2#
70	3.5	5.8	8.6#

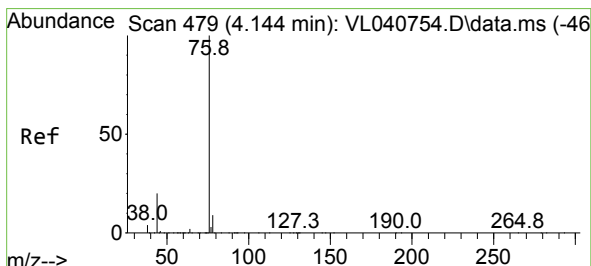
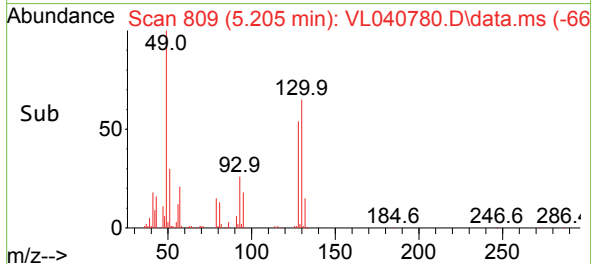
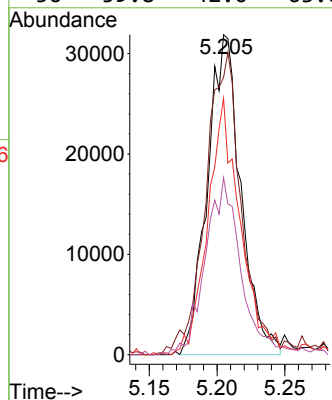
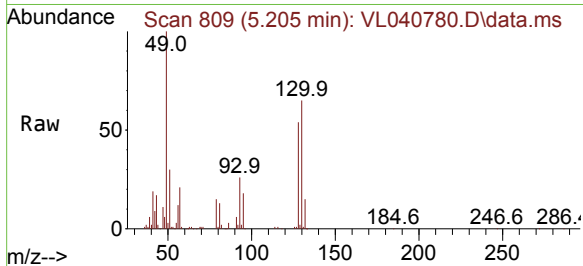




#26
Hexane
Concen: 0.564 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

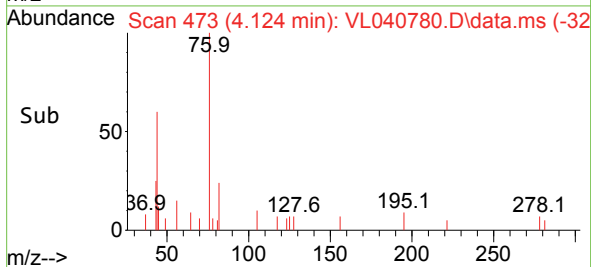
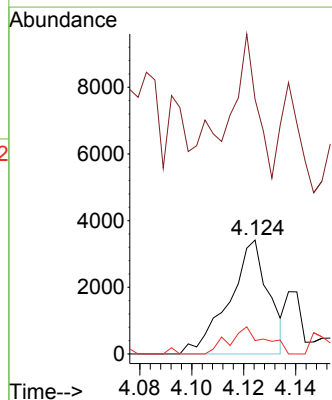
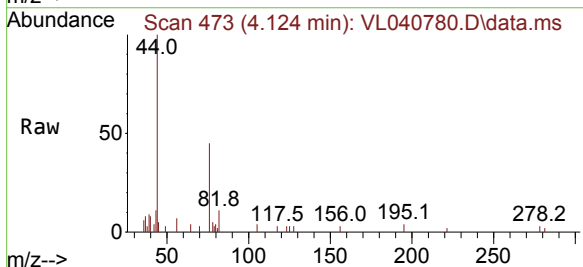
Instrument :
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ClientSampleId :

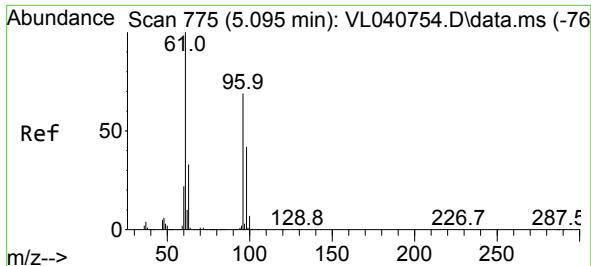
Tgt Ion: 57 Resp: 54785
Ion Ratio Lower Upper
57 100
41 104.7 71.4 107.2
43 78.3 182.3 273.5#
56 59.8 42.0 63.0



#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 4.124 min Scan# 473
Delta R.T. -0.019 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 76 Resp: 3575
Ion Ratio Lower Upper
76 100
44 199.8 16.6 25.0#
78 21.6 7.8 11.6#

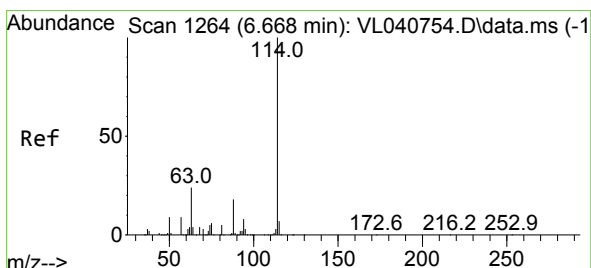
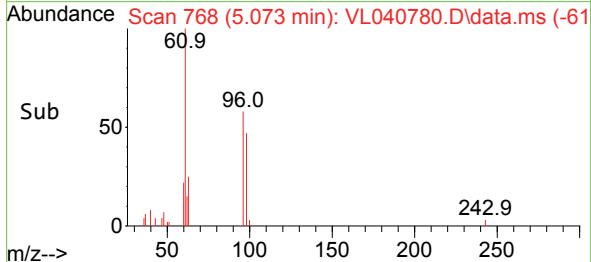
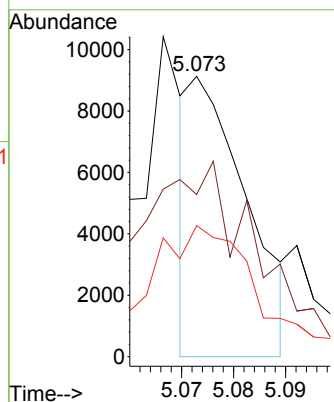
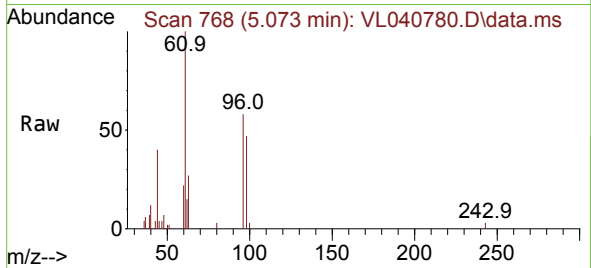




#31
 cis-1,2-Dichloroethene
 Concen: 0.077 ppbv
 RT: 5.073 min Scan# 71
 Delta R.T. -0.022 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

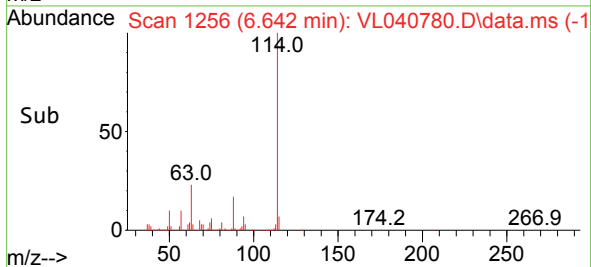
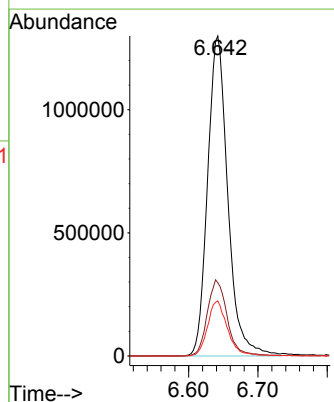
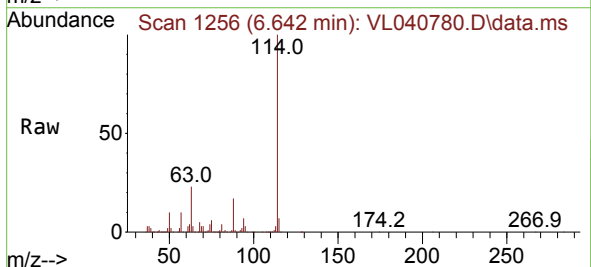
Instrument :
 MSVOA_L
 ClientSampleId :

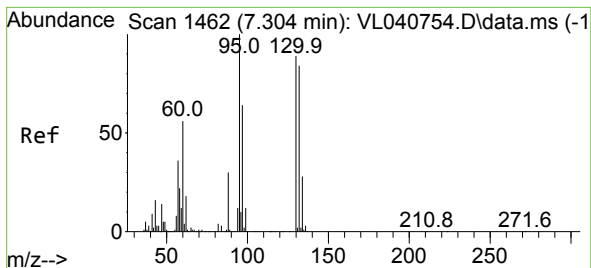
Tgt Ion: 61 Resp: 6917
 Ion Ratio Lower Upper
 61 100
 96 37.5 55.1 82.7#
 98 50.0 33.5 50.3



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. -0.026 min
 Lab File: VL040780.D
 Acq: 23 Oct 2023 15:54

Tgt Ion: 114 Resp: 2630023
 Ion Ratio Lower Upper
 114 100
 63 23.6 19.8 29.6
 88 17.0 14.2 21.2





#38

Trichloroethene

Concen: 0.046 ppbv

RT: 7.272 min Scan# 1462

Delta R.T. -0.032 min

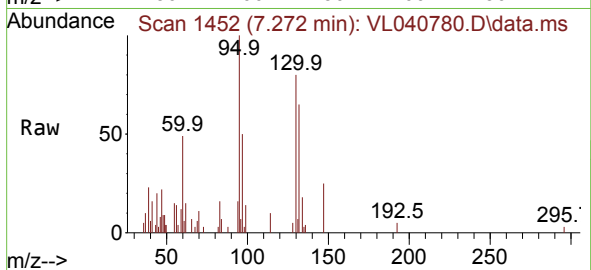
Lab File: VL040780.D

Acq: 23 Oct 2023 15:54

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:130 Resp: 4116

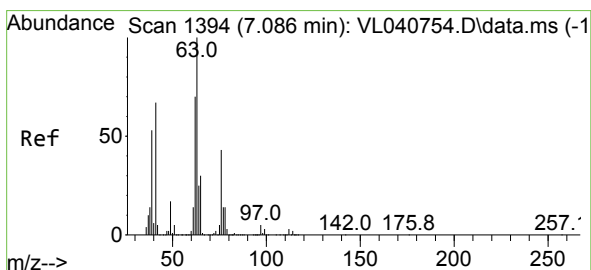
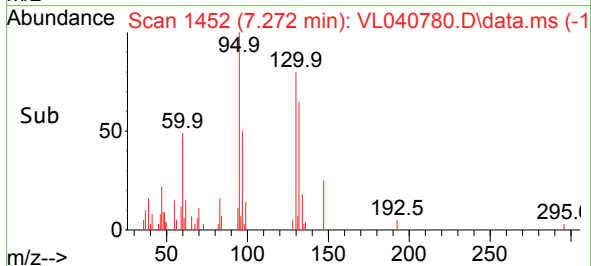
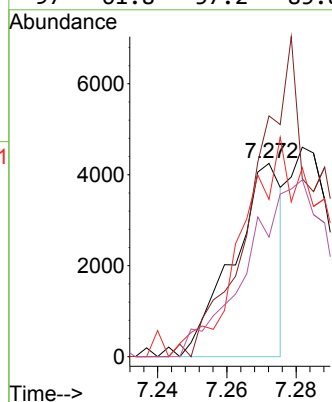
Ion Ratio Lower Upper

130 100

95 118.1 89.4 134.2

132 74.5 74.8 112.2#

97 61.8 57.2 85.8



#39

1,2-Dichloropropane

Concen: 7.775 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.447 min

Lab File: VL040780.D

Acq: 23 Oct 2023 15:54

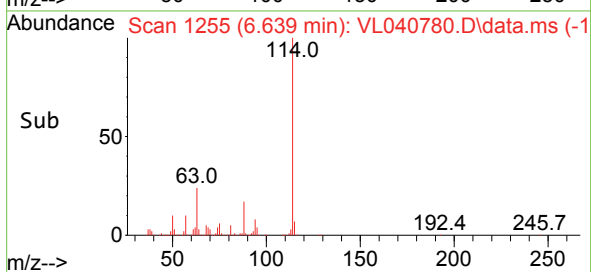
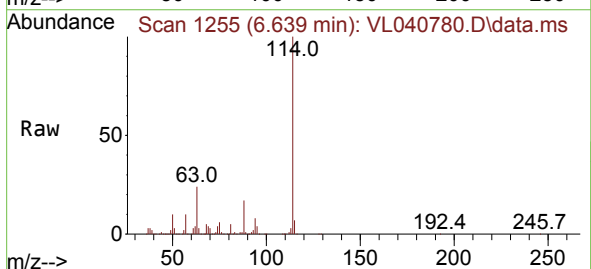
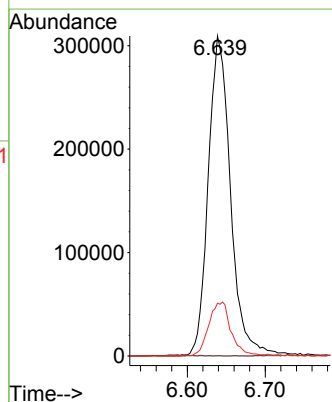
Tgt Ion: 63 Resp: 614462

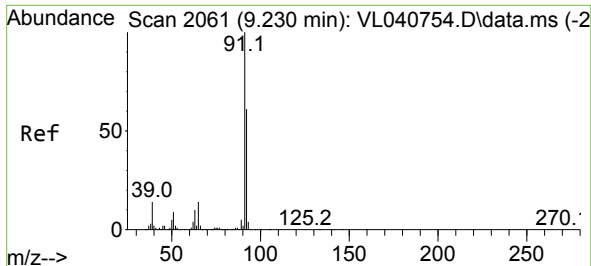
Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 16.5 55.7 83.5#

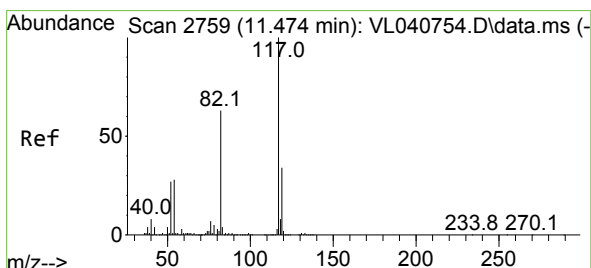
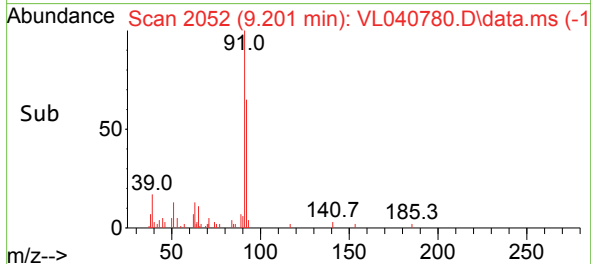
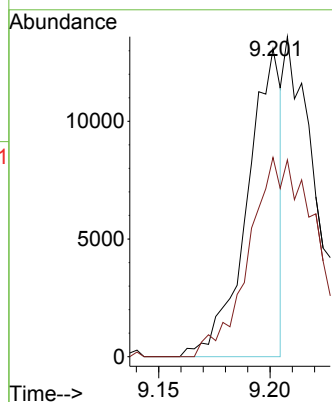
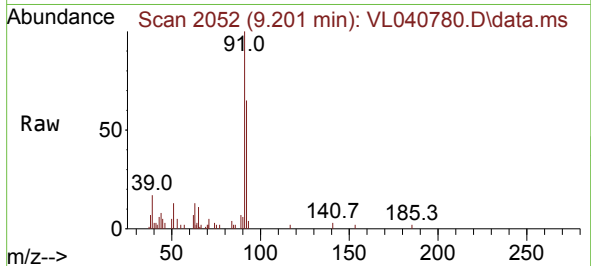




#53
Toluene
Concen: 0.058 ppbv
RT: 9.201 min Scan# 2061
Delta R.T. -0.029 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

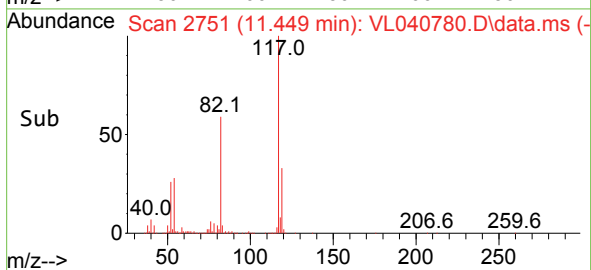
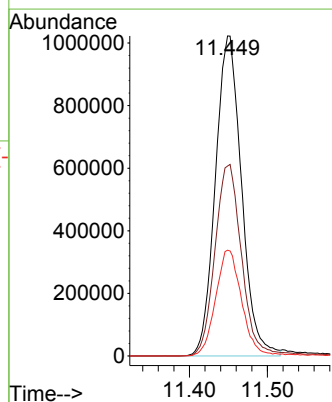
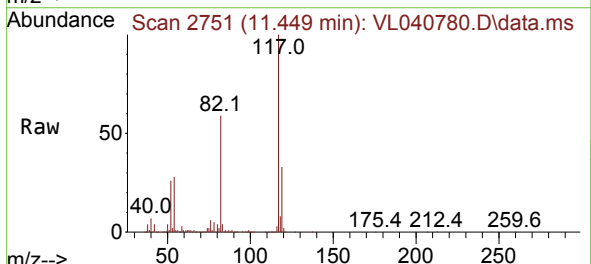
Instrument :
MSVOA_L
ClientSampleId :

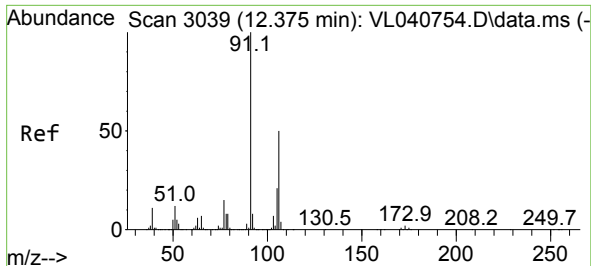
Tgt Ion: 91 Resp: 13886
Ion Ratio Lower Upper
91 100
92 133.8 50.2 75.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 117 Resp: 2384165
Ion Ratio Lower Upper
117 100
82 62.2 46.6 70.0
119 33.5 26.0 39.0

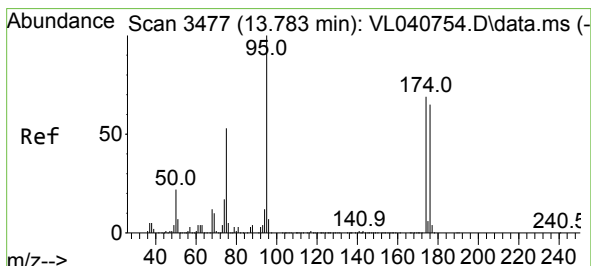
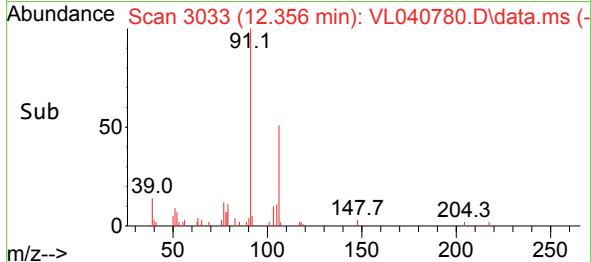
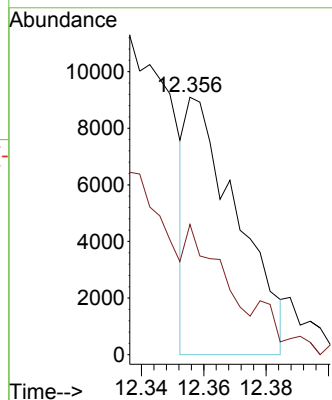
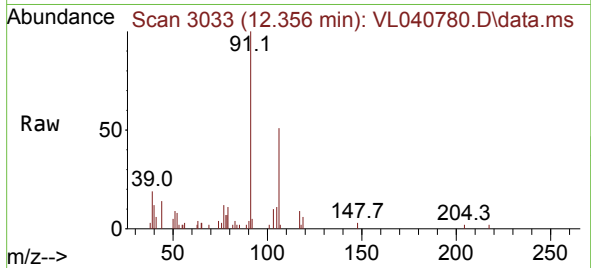




#59
m/p-Xylene
Concen: 0.042 ppbv
RT: 12.356 min Scan# 3033
Delta R.T. -0.019 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 10318
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.416 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.026 min
Lab File: VL040780.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 95 Resp: 1827274
Ion Ratio Lower Upper
95 100
174 66.8 54.7 82.1
175 5.1 4.2 6.4

