

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040741.D
 Acq On : 4 Oct 2023 15:34
 Operator : SY/MD
 Sample : Q100323 CAN 10333
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 05 04:27:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1174027	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3240372	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2724868	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1962350	9.321	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.742	85	26457	0.102	ppbv	89
3) Chlorodifluoromethane	2.684	51	20287	0.106	ppbv	100
4) Chloromethane	2.822	50	8749	0.119	ppbv	91
5) Vinyl Chloride	2.928	62	5759	0.067	ppbv #	76
6) Bromomethane	3.128	94	4142	0.099	ppbv #	76
8) Dichlorotetrafluoroethane	2.870	85	22598	0.106	ppbv	98
9) Propene	2.703	41	11584	0.210	ppbv	95
10) Heptane	7.571	43	5299	0.043	ppbv #	26
11) Trichlorofluoromethane	3.562	101	19889	0.087	ppbv #	80
12) 1,1,2-Trichlorotrifluo...	4.073	101	16016	0.098	ppbv	96
13) Ethanol	3.259	45	2363	0.145	ppbv #	53
14) Bromoethene	3.375	108	6736	0.099	ppbv #	93
15) Acetone	3.497	43	40091	0.259	ppbv #	77
16) 1,3-Butadiene	2.996	39	7277	0.108	ppbv	84
18) 1,1-Dichloroethene	3.883	96	7707	0.107	ppbv #	71
20) Methylene Chloride	3.938	84	75426	0.905	ppbv	91
21) Allyl Chloride	3.993	41	4130	0.044	ppbv #	18
22) trans-1,2-Dichloroethene	4.443	96	4384	0.061	ppbv #	69
23) Vinyl Acetate	4.636	43	10584	0.066	ppbv #	89
24) 1,1-Dichloroethane	4.562	63	11475	0.077	ppbv #	90
25) Ethyl Acetate	5.214	43	51069	0.204	ppbv #	94
26) Hexane	5.205	57	48113	0.407	ppbv #	55
27) Carbon Disulfide	4.128	76	9911	0.060	ppbv #	12
28) Methyl tert-Butyl Ether	4.600	73	9836	0.097	ppbv #	80
29) Chloroform	5.269	83	22907	0.112	ppbv	98
30) Cyclohexane	6.597	84	4884	0.055	ppbv #	4
31) cis-1,2-Dichloroethene	5.073	61	11196	0.102	ppbv	93
32) 1,1,1-Trichloroethane	5.992	97	17087	0.082	ppbv	88
34) 2-Butanone	4.800	43	5776	0.035	ppbv #	52
36) Benzene	6.356	78	13306	0.055	ppbv	95
37) 1,2-Dichloroethane	5.800	62	7974	0.049	ppbv #	77
38) Trichloroethene	7.279	130	6250	0.068	ppbv #	84
39) 1,2-Dichloropropane	6.642	63	764158	8.274	ppbv #	22
42) Bromodichloromethane	7.240	83	14941	0.067	ppbv #	86
45) t-1,3-Dichloropropene	8.690	75	2988	0.043	ppbv #	44
52) Tetrachloroethene	10.594	164	4015	0.051	ppbv #	55
53) Toluene	9.205	91	13735	0.054	ppbv #	20
56) 1,1,1,2-Tetrachloroethane	11.487	131	4009	0.031	ppbv #	1
57) Chlorobenzene	11.503	112	13660	0.066	ppbv #	54
58) Ethyl Benzene	12.073	91	25370	0.082	ppbv	92
60) o-Xylene	13.037	91	20848	0.075	ppbv	94
62) Isopropylbenzene	14.005	105	17940	0.043	ppbv #	25
72) 4-Ethyltoluene	15.175	105	11548	0.037	ppbv #	46

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Instrument :
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Quant Time: Oct 05 04:27:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

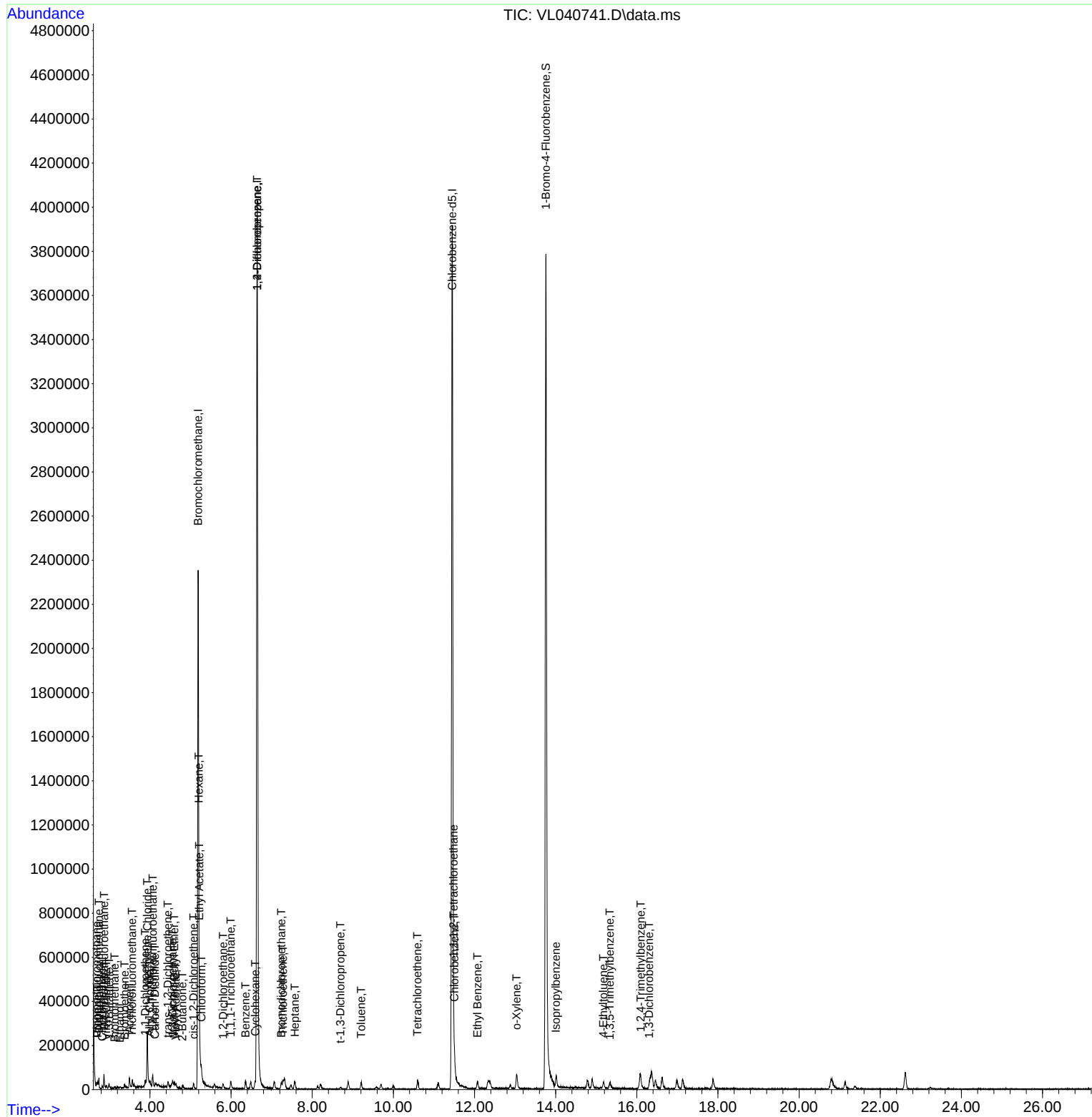
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.333	105	10809	0.038	ppbv	87
74) 1,2,4-Trimethylbenzene	16.098	105	29014	0.085	ppbv #	70
75) 1,3-Dichlorobenzene	16.304	146	6368	0.033	ppbv #	23

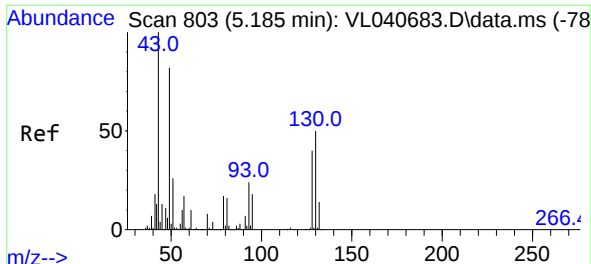
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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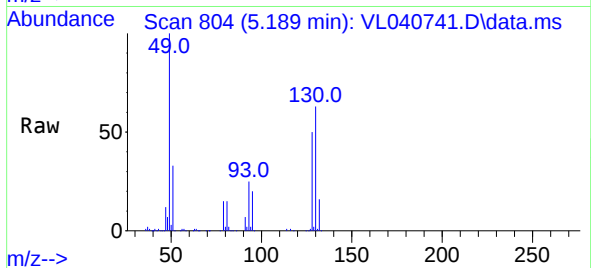
Quant Time: Oct 05 04:27:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
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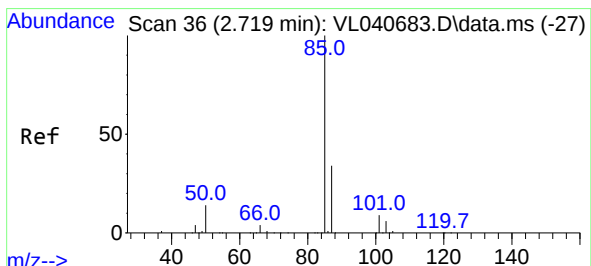
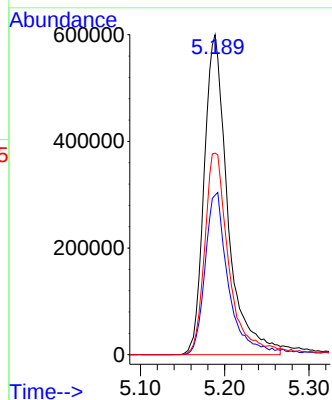
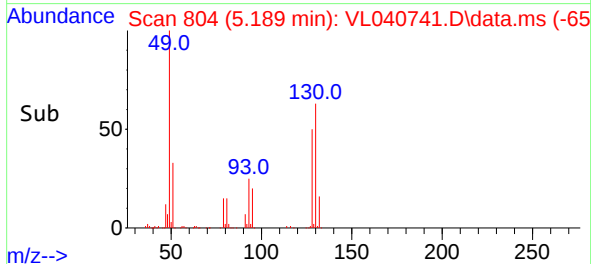


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.009 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

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MSVOA_L
ClientSampleId :

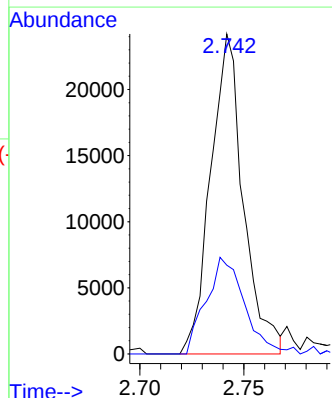
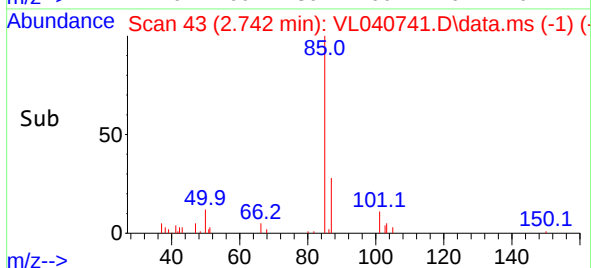
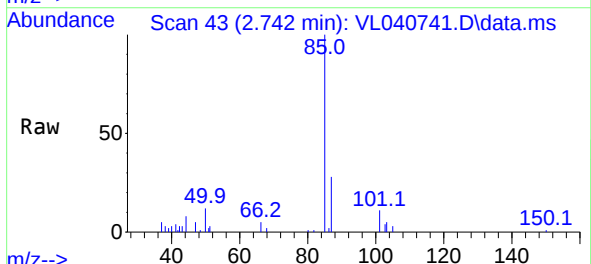


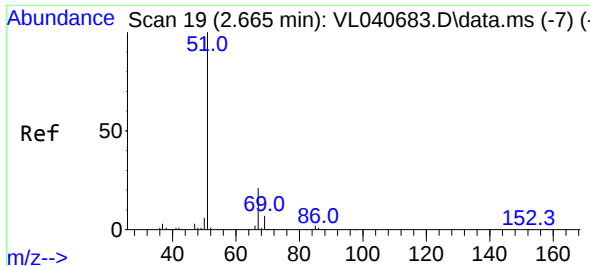
Tgt Ion: 49 Resp: 1174027
Ion Ratio Lower Upper
49 100
128 51.5 25.4 76.0
130 67.1 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.102 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 85 Resp: 26457
Ion Ratio Lower Upper
85 100
87 27.8 27.2 40.8

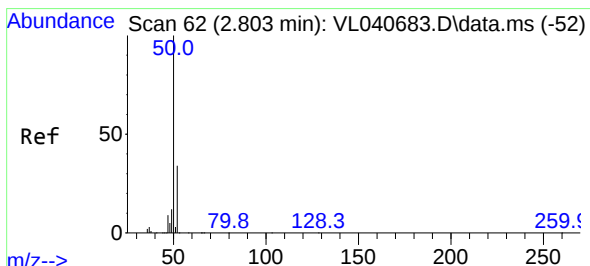
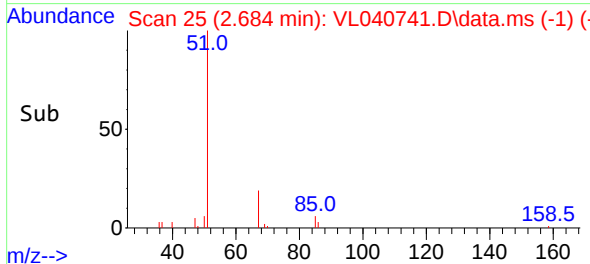
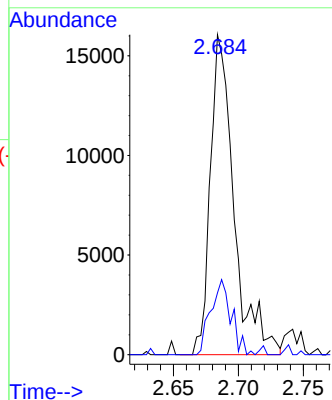
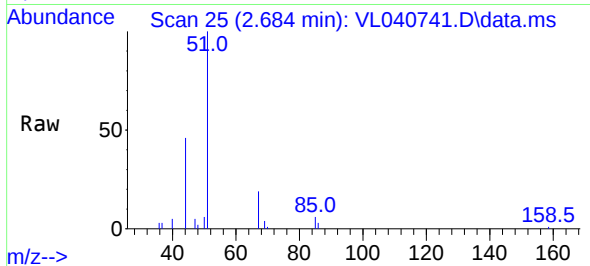




#3
Chlorodifluoromethane
Concen: 0.106 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

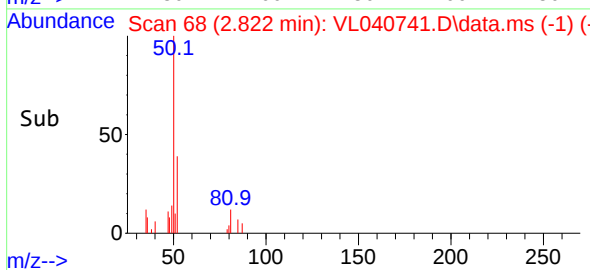
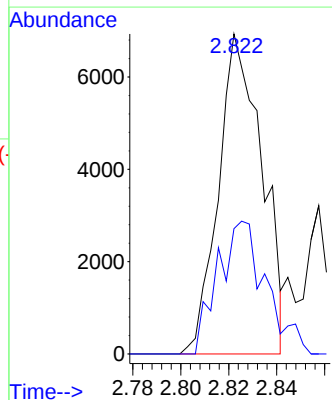
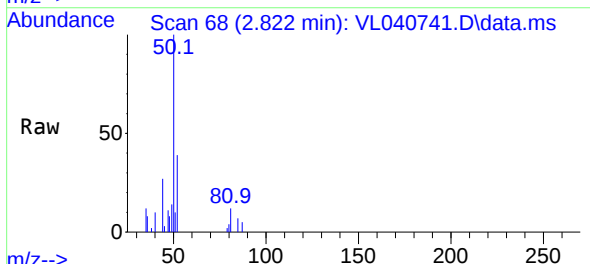
Instrument :
MSVOA_L
ClientSampleId :

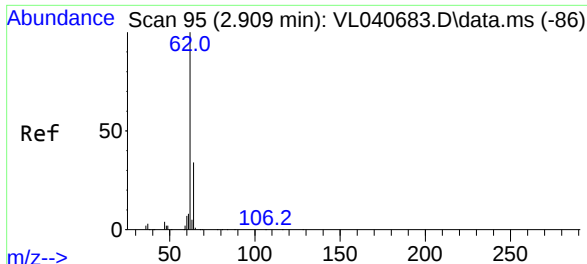
Tgt Ion: 51 Resp: 20287
Ion Ratio Lower Upper
51 100
67 21.0 16.7 25.1



#4
Chloromethane
Concen: 0.119 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.007 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 50 Resp: 8749
Ion Ratio Lower Upper
50 100
52 39.1 27.1 40.7

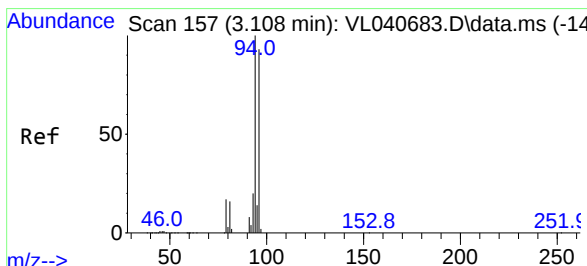
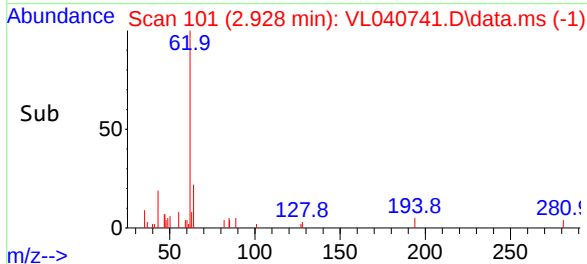
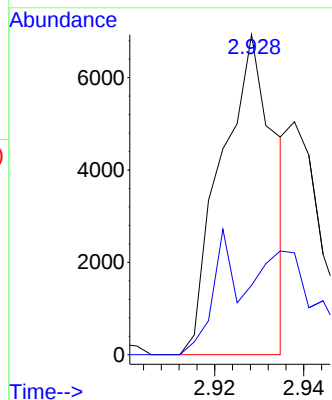
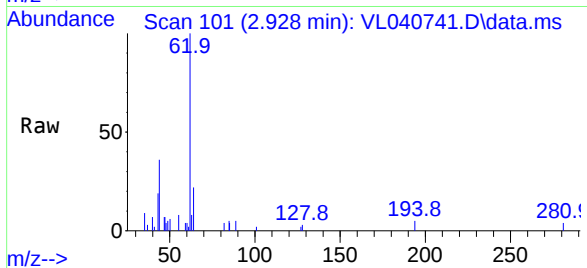




#5
Vinyl Chloride
Concen: 0.067 ppbv
RT: 2.928 min Scan# 101
Delta R.T. 0.003 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

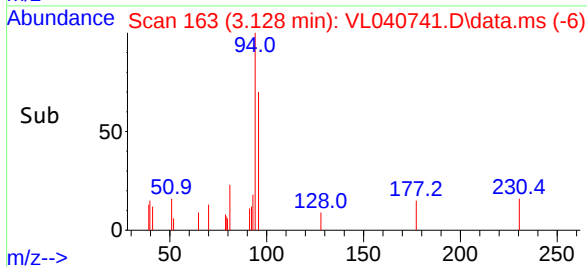
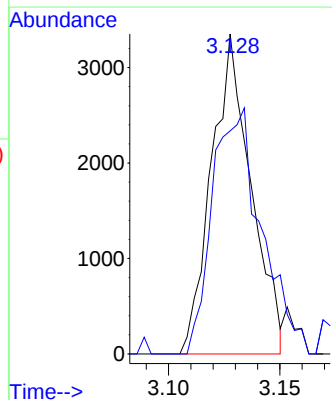
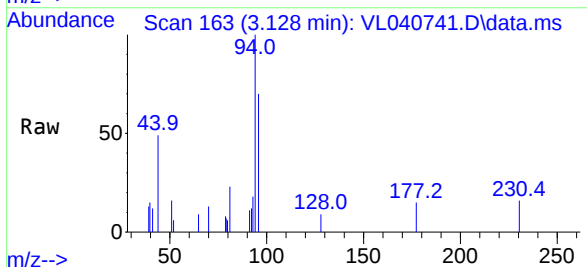
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 5759
Ion Ratio Lower Upper
62 100
64 20.1 27.2 40.8#

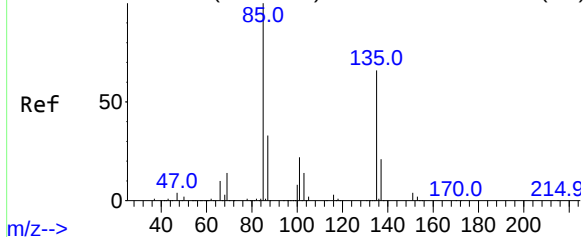


#6
Bromomethane
Concen: 0.099 ppbv
RT: 3.128 min Scan# 163
Delta R.T. 0.003 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

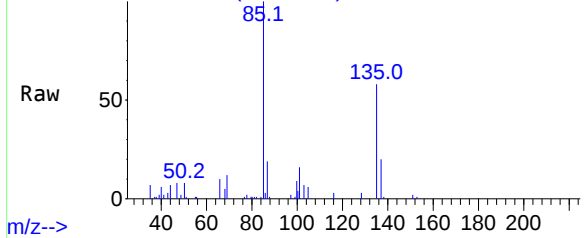
Tgt Ion: 94 Resp: 4142
Ion Ratio Lower Upper
94 100
96 69.7 74.4 111.6#



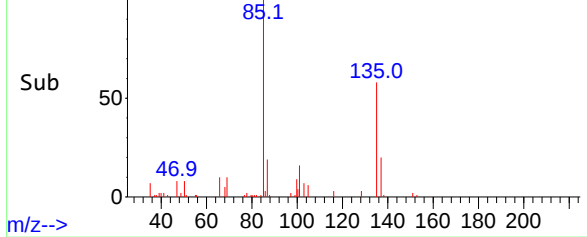
Abundance Scan 76 (2.848 min): VL040683.D\data.ms (-66)



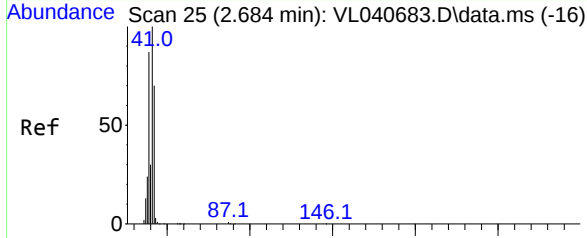
m/z--> Scan 83 (2.870 min): VL040741.D\data.ms



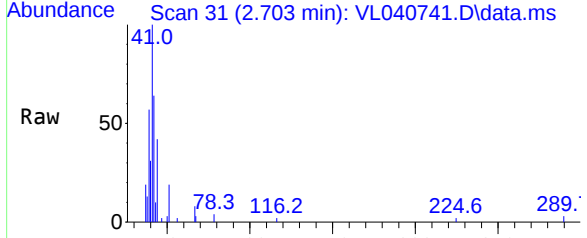
m/z--> Abundance Scan 83 (2.870 min): VL040741.D\data.ms (-1) (-)



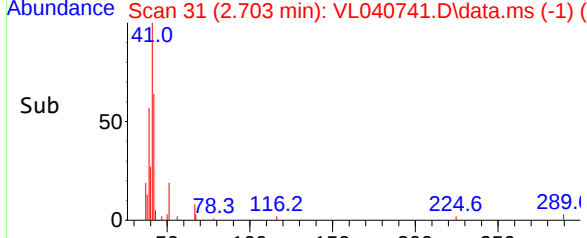
m/z--> Abundance Scan 25 (2.684 min): VL040683.D\data.ms (-16)



m/z--> Abundance Scan 31 (2.703 min): VL040741.D\data.ms



m/z--> Abundance Scan 31 (2.703 min): VL040741.D\data.ms (-1) (-)

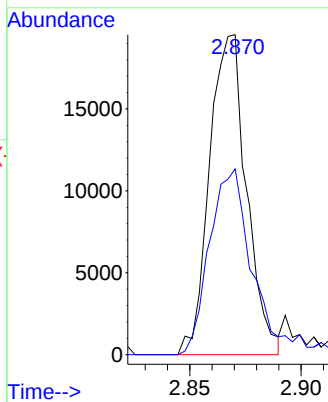


m/z--> Abundance

#8
Dichlorotetrafluoroethane
Concen: 0.106 ppbv
RT: 2.870 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

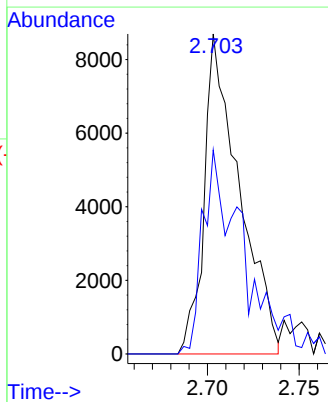
Instrument :
MSVOA_L
ClientSampleId :

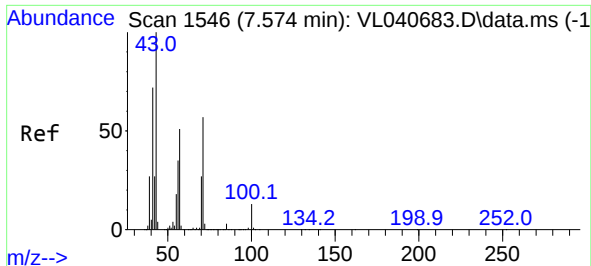
Tgt Ion: 85 Resp: 22598
Ion Ratio Lower Upper
85 100
135 68.5 53.4 80.2



#9
Propene
Concen: 0.210 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 41 Resp: 11584
Ion Ratio Lower Upper
41 100
42 75.3 56.7 85.1

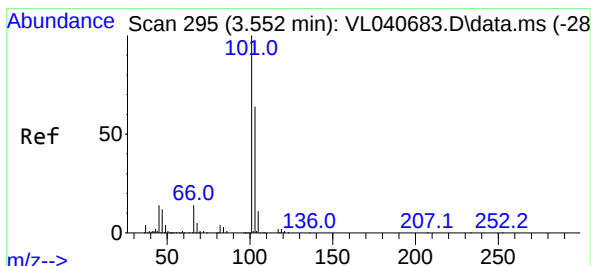
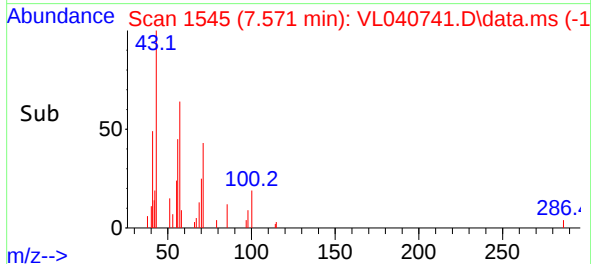
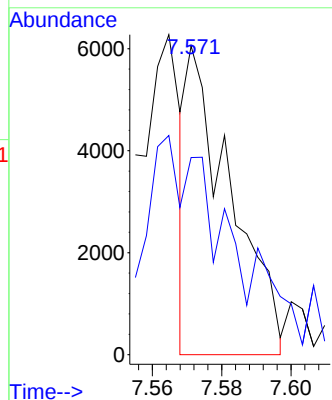
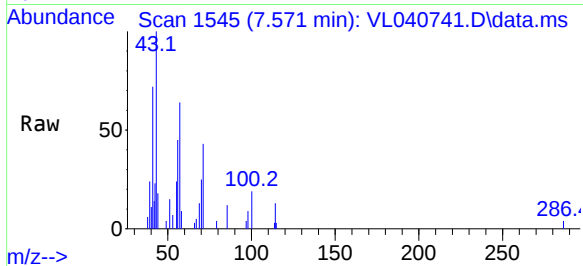




#10
Heptane
Concen: 0.043 ppbv
RT: 7.571 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

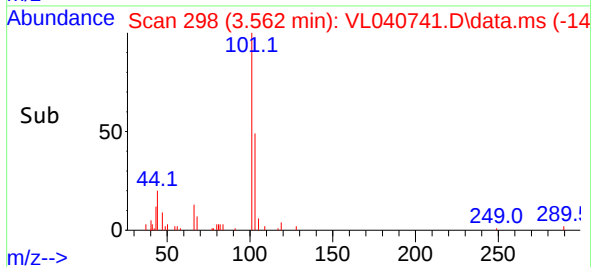
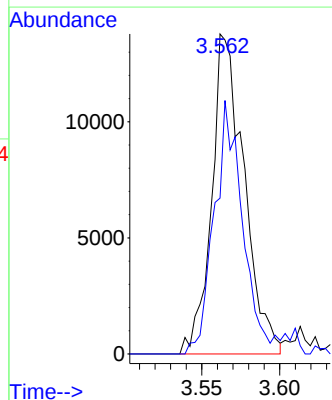
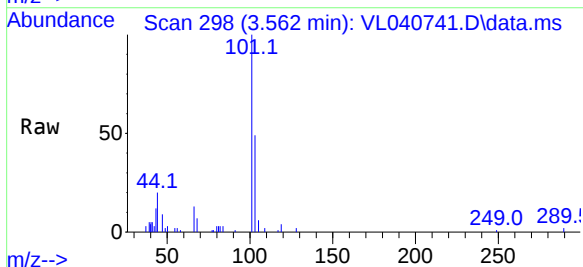
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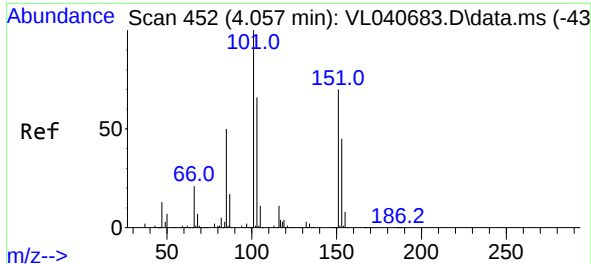
Tgt Ion: 43 Resp: 5299
Ion Ratio Lower Upper
43 100
57 0.0 41.8 62.6#



#11
Trichlorofluoromethane
Concen: 0.087 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.006 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion:101 Resp: 19889
Ion Ratio Lower Upper
101 100
103 48.7 51.3 76.9#

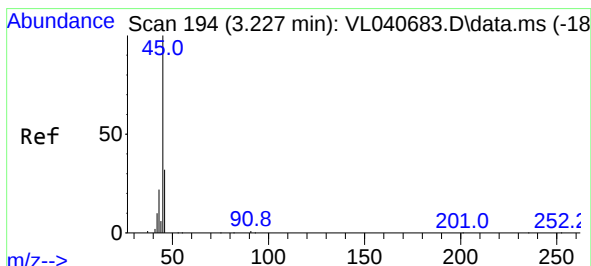
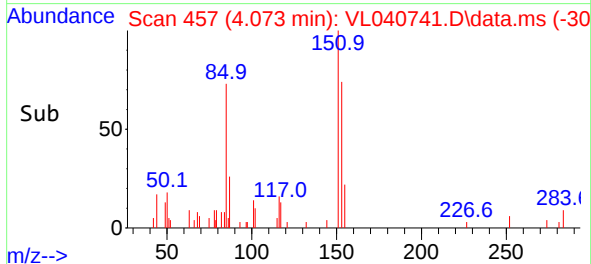
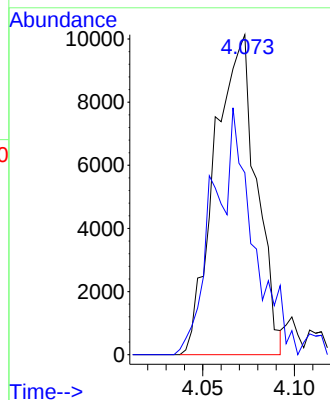
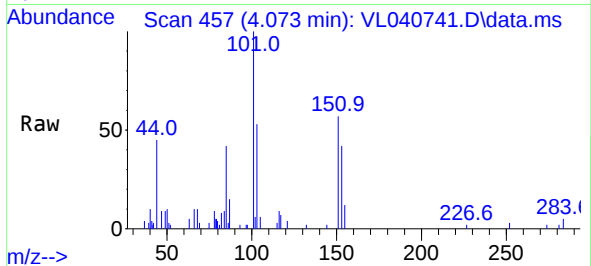




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.098 ppbv
RT: 4.073 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

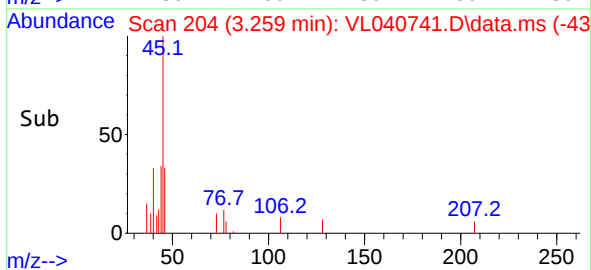
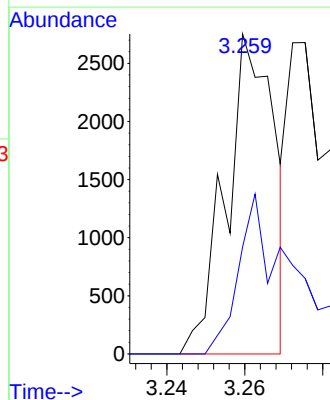
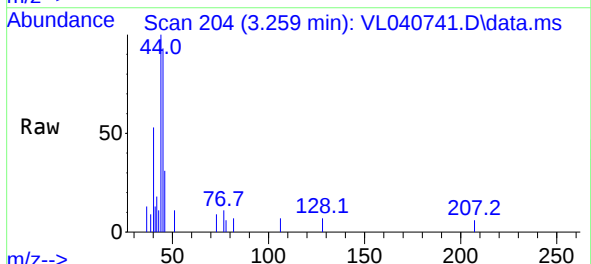
Instrument :
MSVOA_L
ClientSampleId :

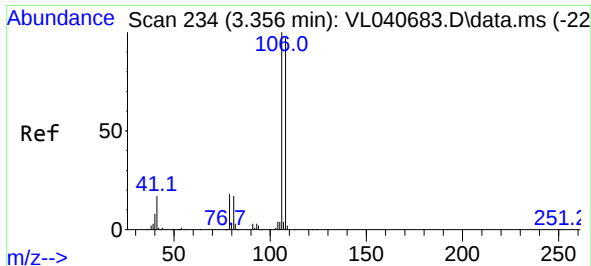
Tgt Ion:101 Resp: 16016
Ion Ratio Lower Upper
101 100
151 74.1 56.8 85.2



#13
Ethanol
Concen: 0.145 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.016 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 45 Resp: 2363
Ion Ratio Lower Upper
45 100
46 66.8 15.2 61.0#

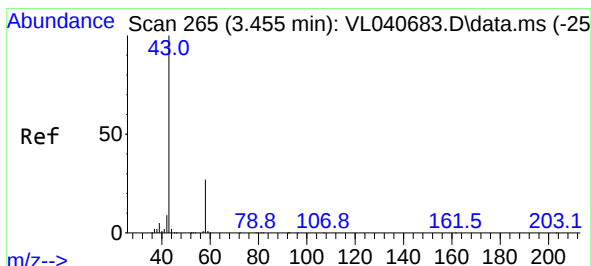
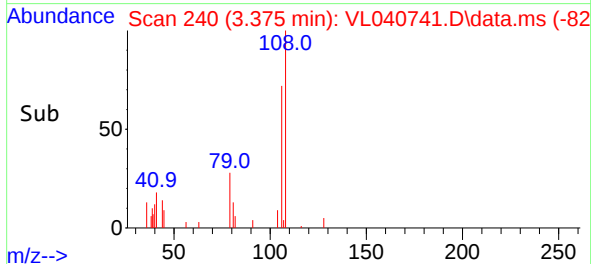
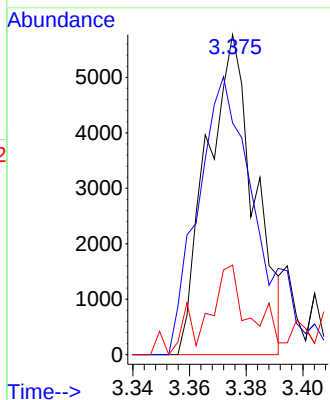
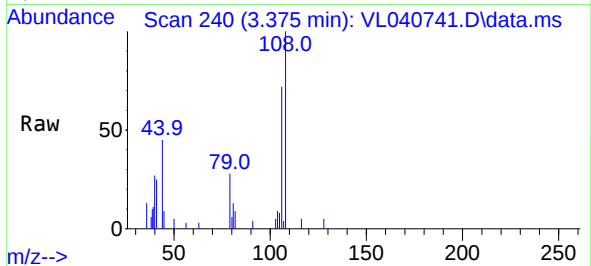




#14
Bromoethene
Concen: 0.099 ppbv
RT: 3.375 min Scan# 24
Delta R.T. 0.007 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

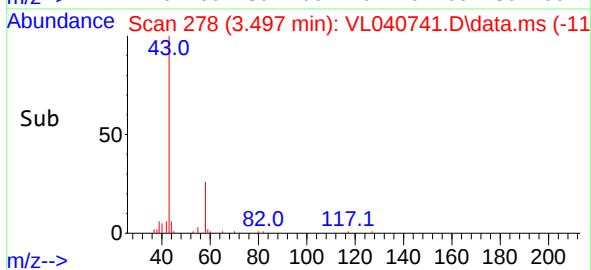
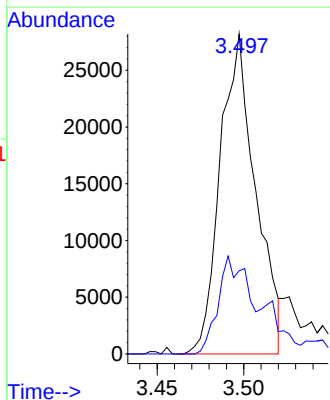
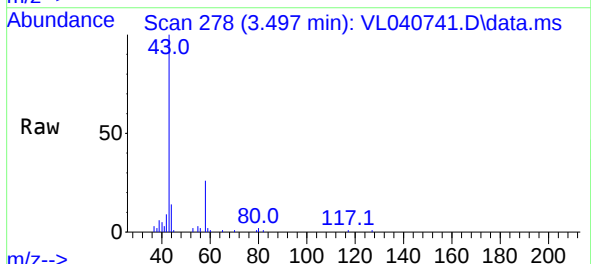
Instrument :
MSVOA_L
ClientSampleId :

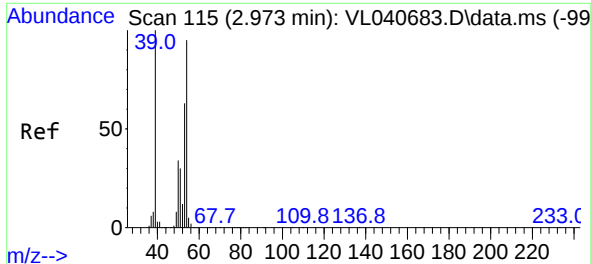
Tgt Ion:108 Resp: 6736
Ion Ratio Lower Upper
108 100
106 109.8 86.0 129.0
79 34.1 15.6 23.4#



#15
Acetone
Concen: 0.259 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.026 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 43 Resp: 40091
Ion Ratio Lower Upper
43 100
58 40.5 22.6 34.0#

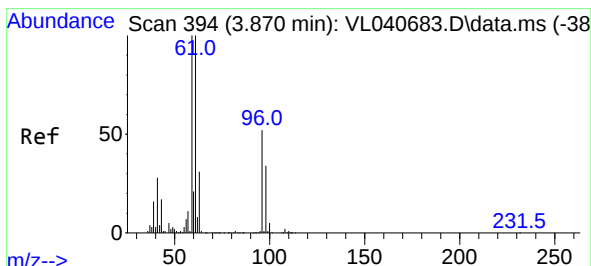
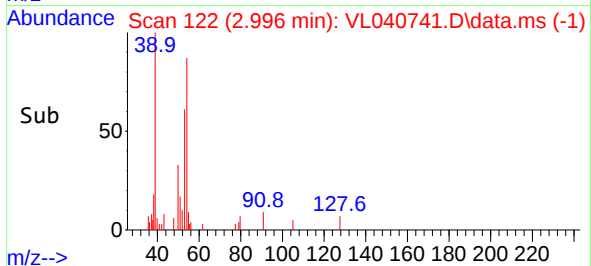
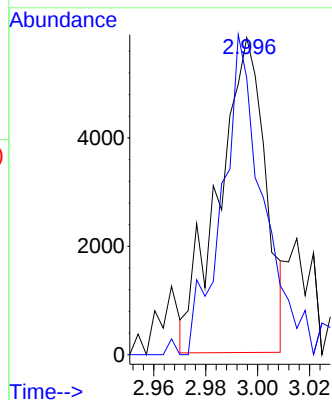
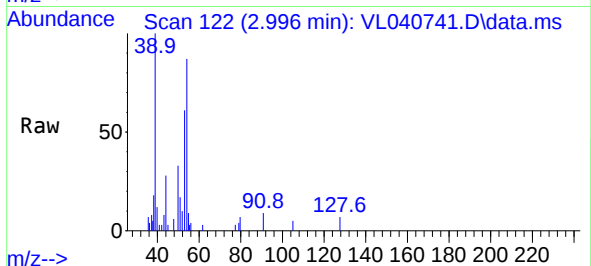




#16
1,3-Butadiene
Concen: 0.108 ppbv
RT: 2.996 min Scan# 115
Delta R.T. 0.007 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

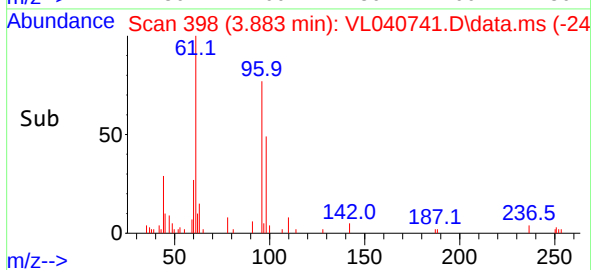
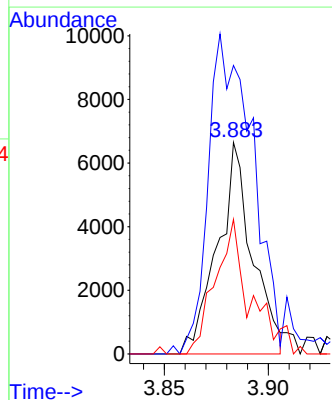
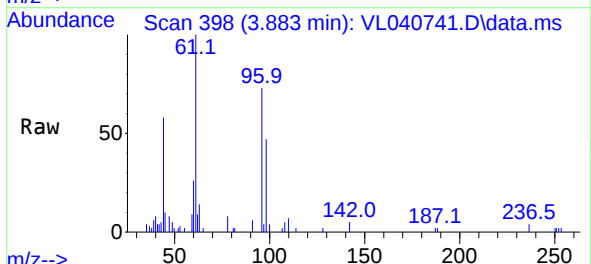
Instrument :
MSVOA_L
ClientSampleId :

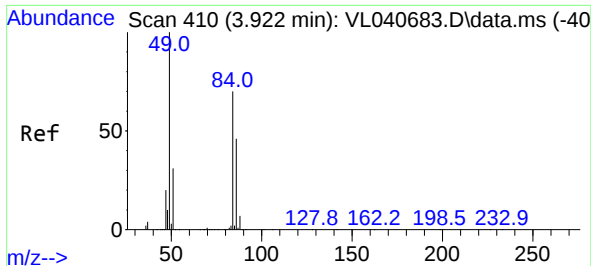
Tgt Ion: 39 Resp: 7277
Ion Ratio Lower Upper
39 100
54 95.3 64.8 97.2



#18
1,1-Dichloroethene
Concen: 0.107 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.000 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 96 Resp: 7707
Ion Ratio Lower Upper
96 100
61 136.4 153.6 230.4#
98 63.6 51.9 77.9



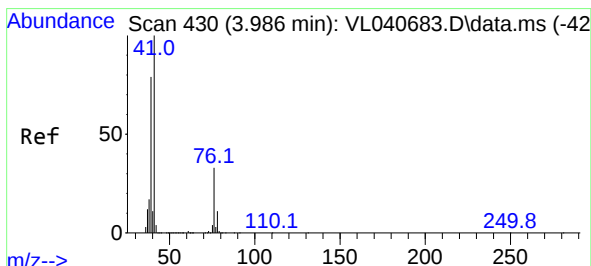
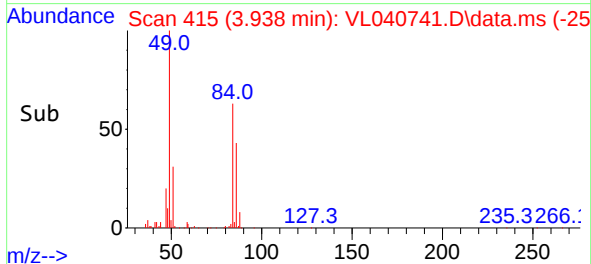
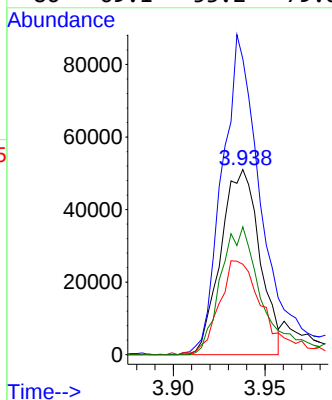
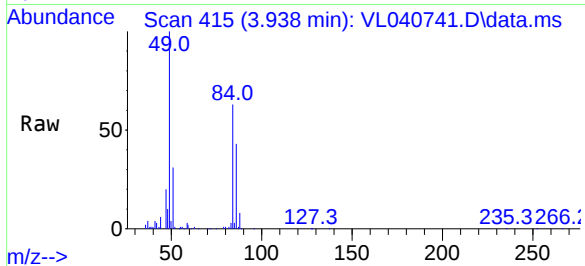


#20
Methylene Chloride
Concen: 0.905 ppbv
RT: 3.938 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 75426

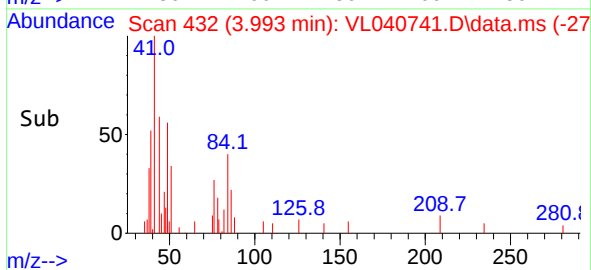
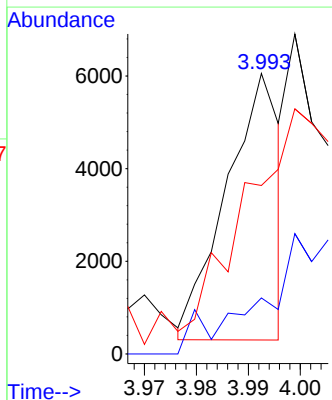
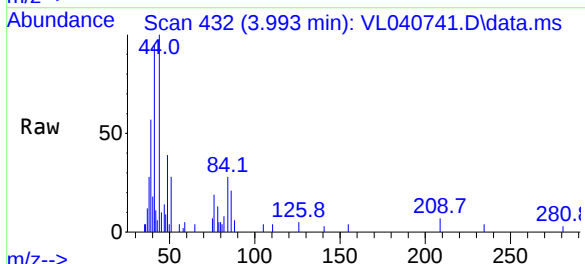
Ion	Ratio	Lower	Upper
84	100		
49	159.2	114.4	171.6
51	48.9	35.5	53.3
86	69.1	53.2	79.8

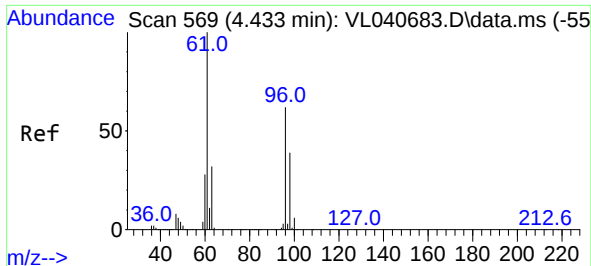


#21
Allyl Chloride
Concen: 0.044 ppbv
RT: 3.993 min Scan# 432
Delta R.T. -0.010 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 41 Resp: 4130

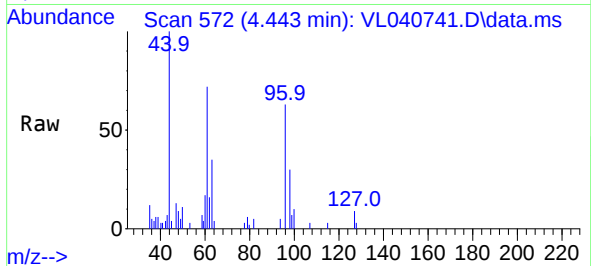
Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	40.0#
39	0.0	65.0	97.4#



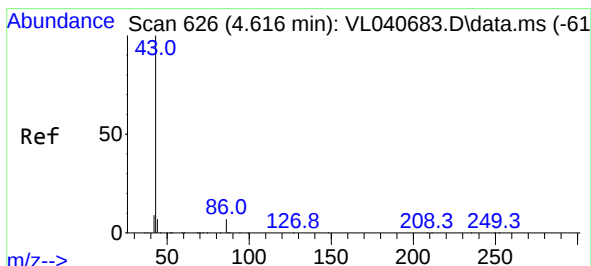
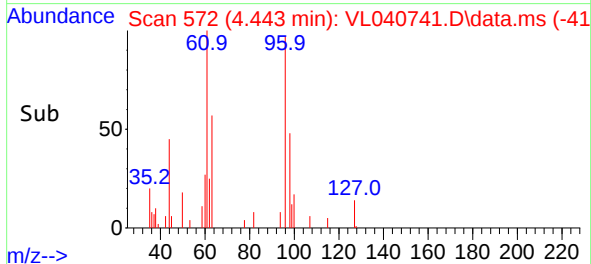
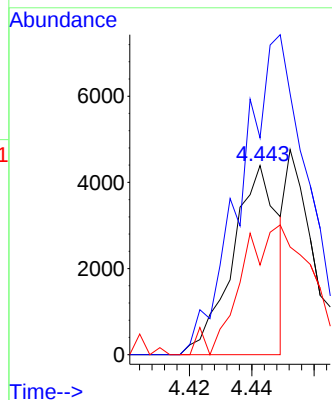


#22
trans-1,2-Dichloroethene
Concen: 0.061 ppbv
RT: 4.443 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Instrument :
MSVOA_L
ClientSampleId :

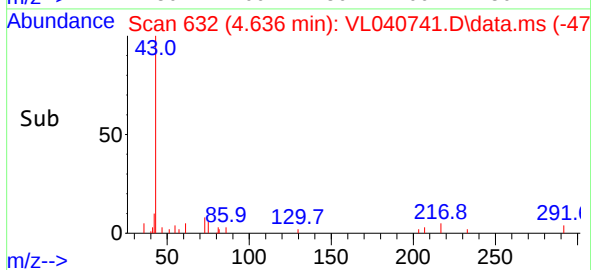
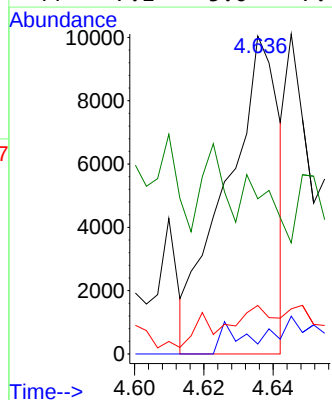
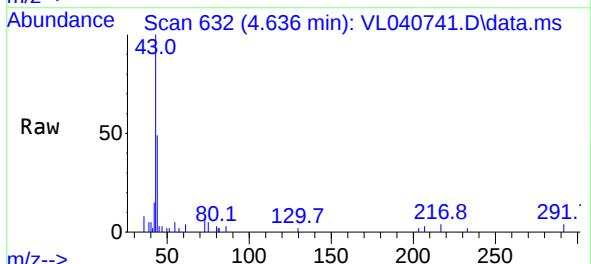


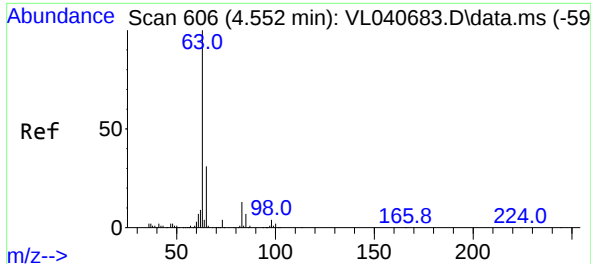
Tgt Ion: 96 Resp: 4384
Ion Ratio Lower Upper
96 100
61 114.6 129.9 194.9#
98 47.3 50.2 75.4#



#23
Vinyl Acetate
Concen: 0.066 ppbv
RT: 4.636 min Scan# 632
Delta R.T. 0.003 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 43 Resp: 10584
Ion Ratio Lower Upper
43 100
86 3.8 5.6 8.4#
42 16.0 7.6 11.4#
44 7.1 5.0 7.4

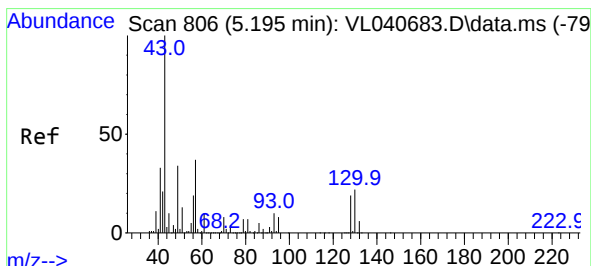
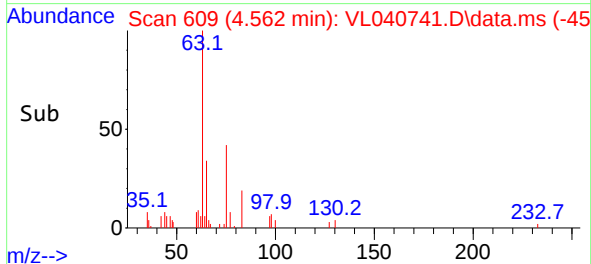
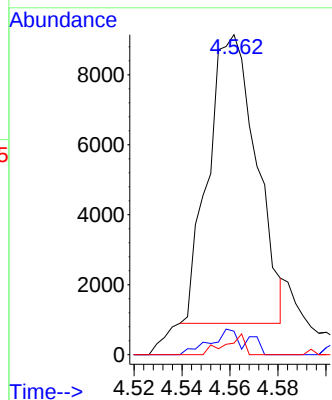
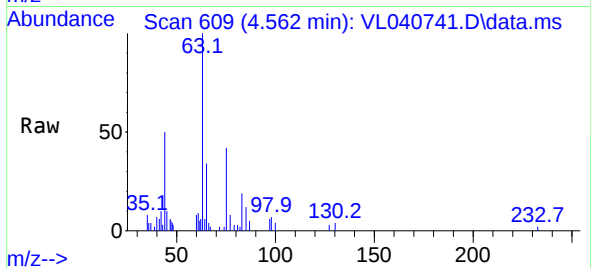




#24
1,1-Dichloroethane
Concen: 0.077 ppbv
RT: 4.562 min Scan# 606
Delta R.T. -0.006 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

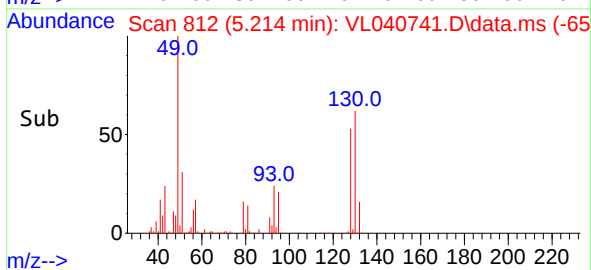
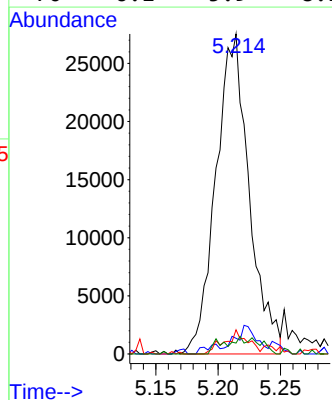
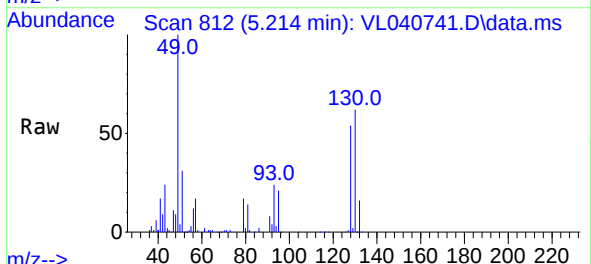
Instrument :
MSVOA_L
ClientSampleId :

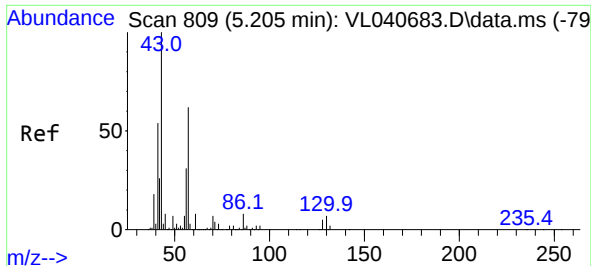
Tgt Ion: 63 Resp: 11475
Ion Ratio Lower Upper
63 100
98 8.1 1.8 5.5#
100 4.0 1.2 3.6#



#25
Ethyl Acetate
Concen: 0.204 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

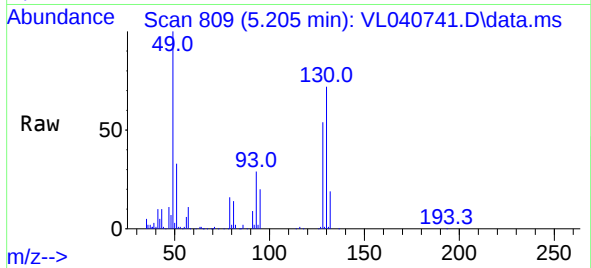
Tgt Ion: 43 Resp: 51069
Ion Ratio Lower Upper
43 100
45 8.7 8.2 12.4
61 6.4 8.2 12.4#
70 6.1 5.9 8.9





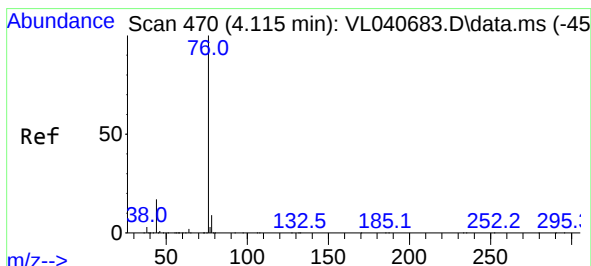
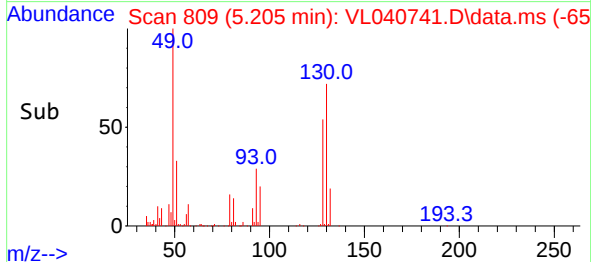
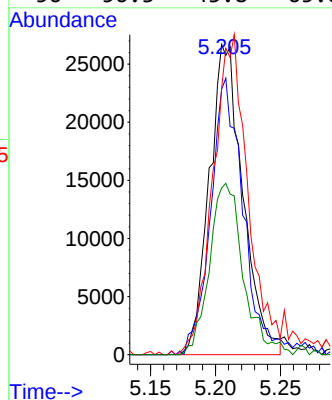
#26
Hexane
Concen: 0.407 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.016 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 48113

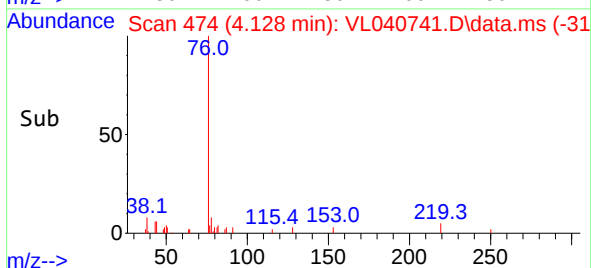
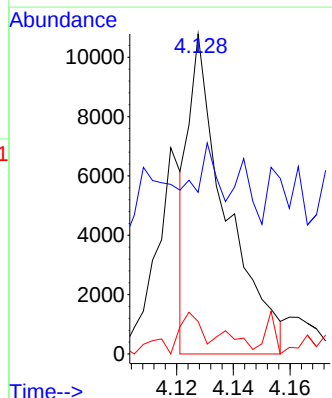
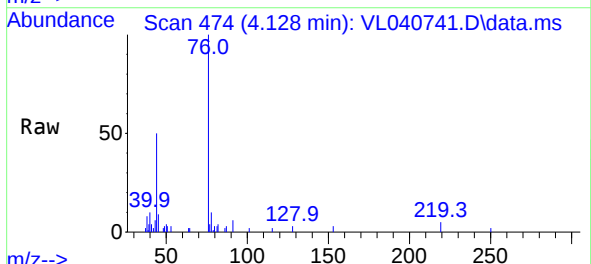
Ion	Ratio	Lower	Upper
57	100		
41	88.3	75.2	112.8
43	112.7	185.6	278.4#
56	56.3	43.8	65.8

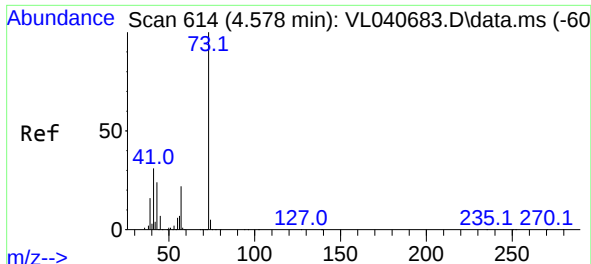


#27
Carbon Disulfide
Concen: 0.060 ppbv
RT: 4.128 min Scan# 474
Delta R.T. -0.003 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 76 Resp: 9911

Ion	Ratio	Lower	Upper
76	100		
44	73.2	14.5	21.7#
78	16.5	7.7	11.5#





#28

Methyl tert-Butyl Ether

Concen: 0.097 ppbv

RT: 4.600 min Scan# 614

Delta R.T. 0.010 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

Instrument :

MSVOA_L

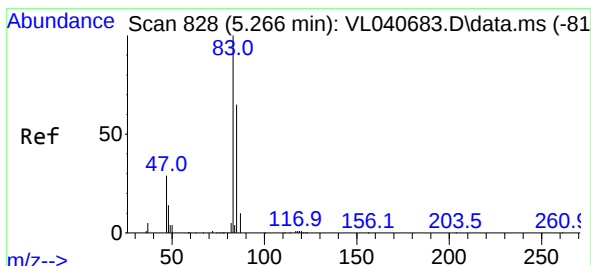
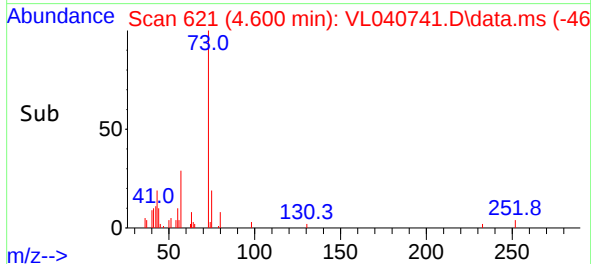
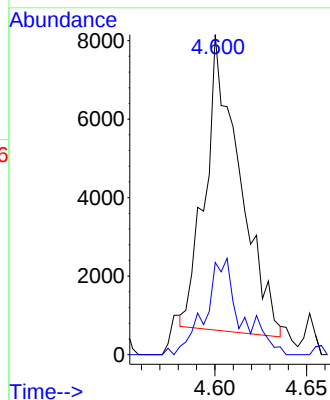
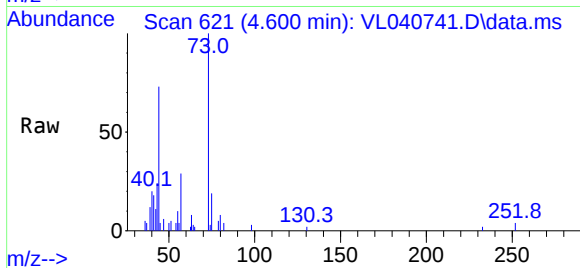
ClientSampleId :

Tgt Ion: 73 Resp: 9836

Ion Ratio Lower Upper

73 100

57 33.3 18.8 28.2#



#29

Chloroform

Concen: 0.112 ppbv

RT: 5.269 min Scan# 829

Delta R.T. -0.013 min

Lab File: VL040741.D

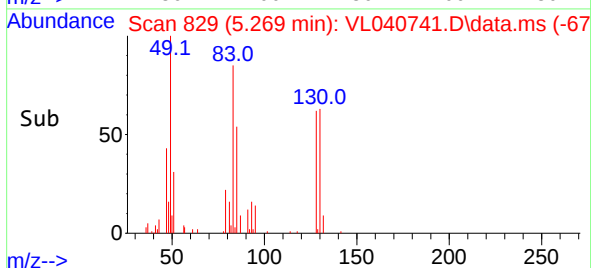
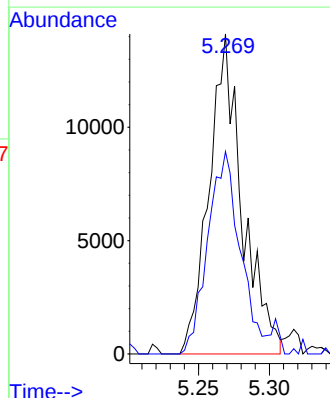
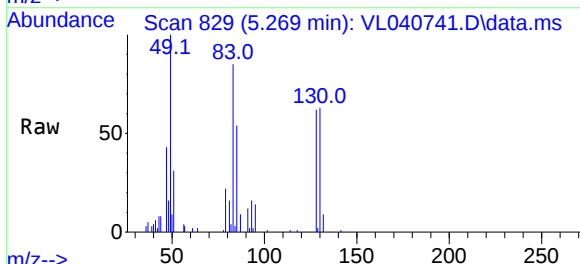
Acq: 4 Oct 2023 15:34

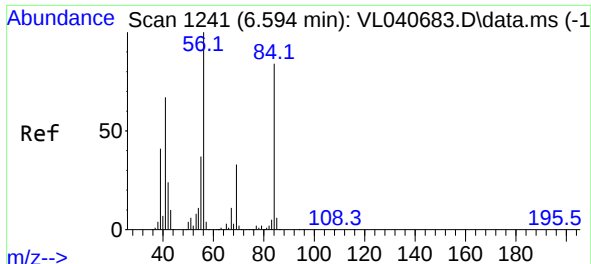
Tgt Ion: 83 Resp: 22907

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.8

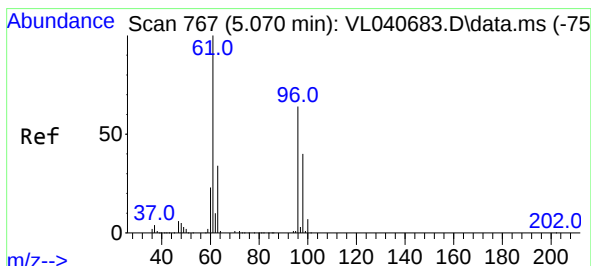
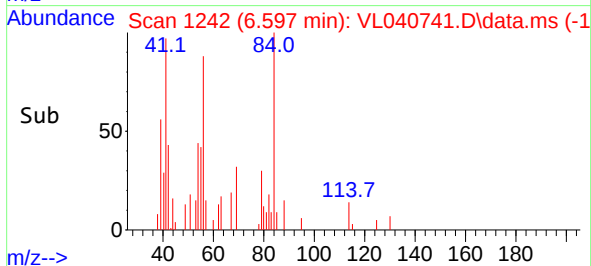
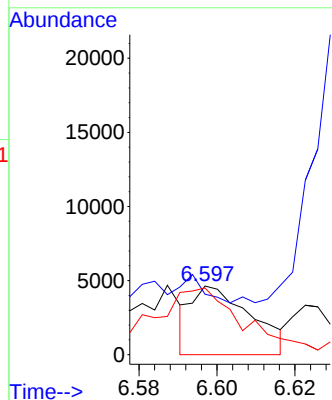
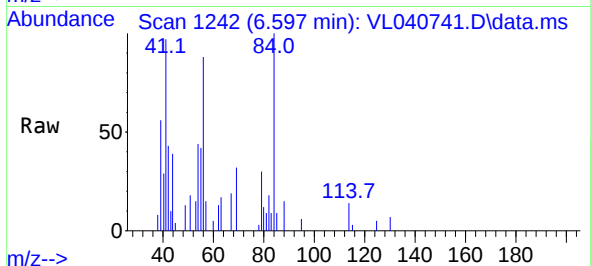




#30
Cyclohexane
Concen: 0.055 ppbv
RT: 6.597 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

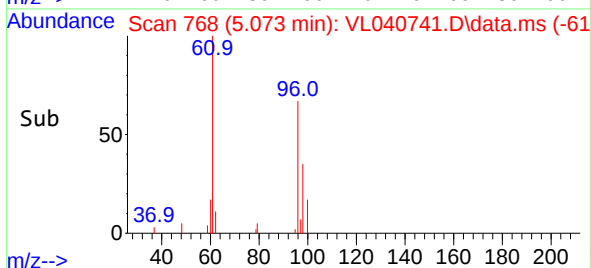
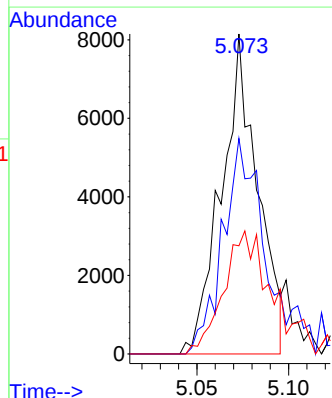
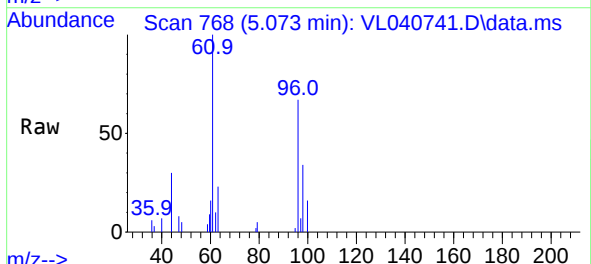
Instrument :
MSVOA_L
ClientSampleId :

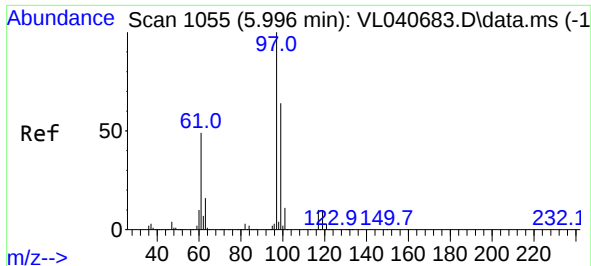
Tgt Ion: 84 Resp: 4884
Ion Ratio Lower Upper
84 100
56 214.9 103.2 154.8#
41 199.3 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.102 ppbv
RT: 5.073 min Scan# 768
Delta R.T. -0.013 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 61 Resp: 11196
Ion Ratio Lower Upper
61 100
96 67.4 51.2 76.8
98 33.8 32.3 48.5





#32

1,1,1-Trichloroethane

Concen: 0.082 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. -0.019 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

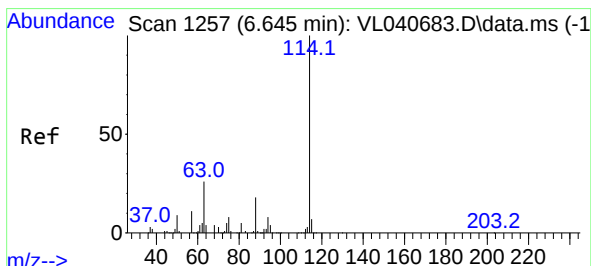
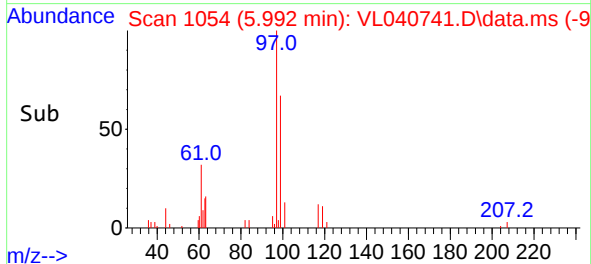
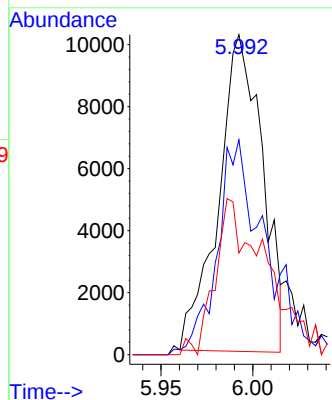
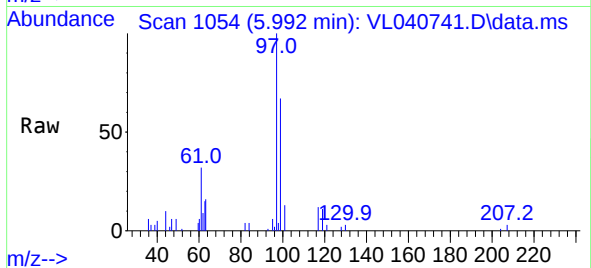
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 17087

Ion	Ratio	Lower	Upper
97	100		
99	74.1	52.4	78.6
61	59.2	40.2	60.4



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

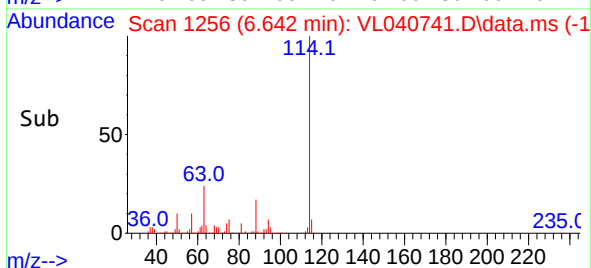
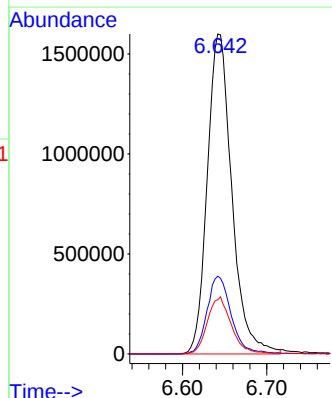
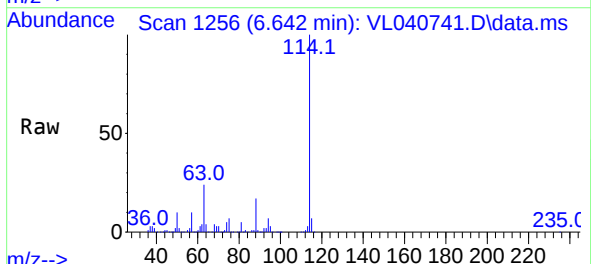
Delta R.T. -0.019 min

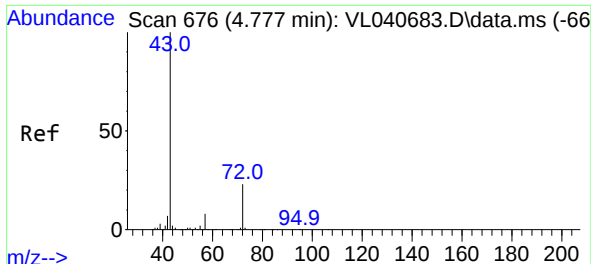
Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

Tgt Ion: 114 Resp: 3240372

Ion	Ratio	Lower	Upper
114	100		
63	24.1	21.1	31.7
88	17.5	14.5	21.7





#34

2-Butanone

Concen: 0.035 ppbv

RT: 4.800 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

Instrument :

MSVOA_L

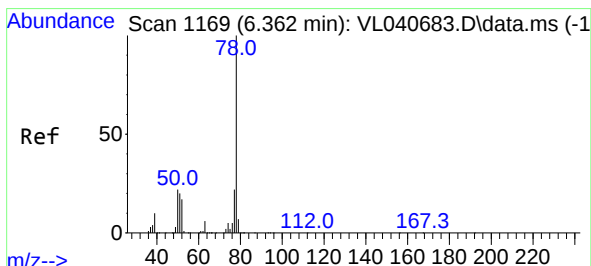
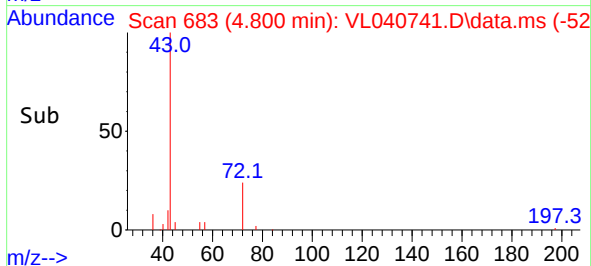
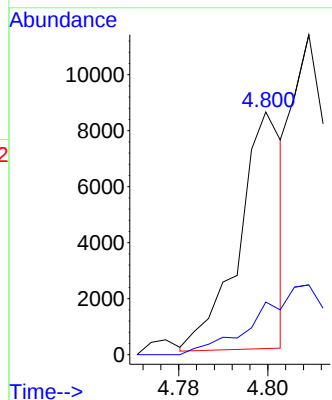
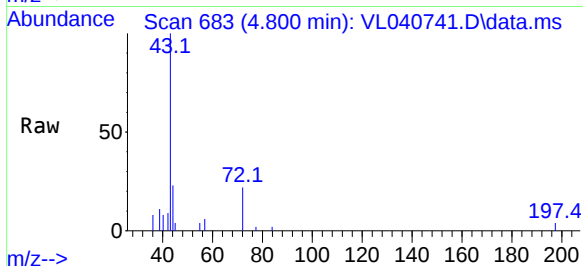
ClientSampleId :

Tgt Ion: 43 Resp: 5776

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#36

Benzene

Concen: 0.055 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. -0.026 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

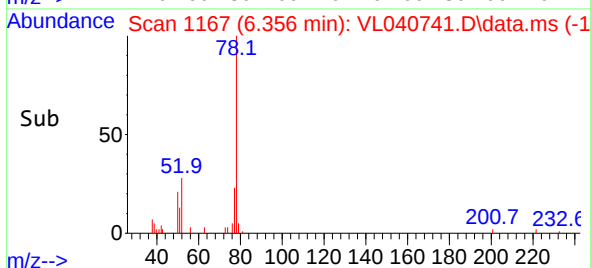
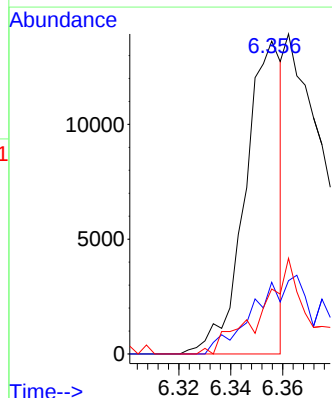
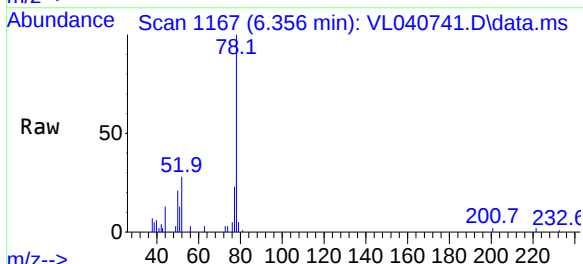
Tgt Ion: 78 Resp: 13306

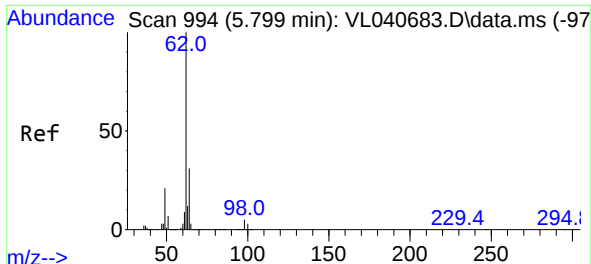
Ion Ratio Lower Upper

78 100

77 22.9 17.9 26.9

50 17.6 17.3 25.9

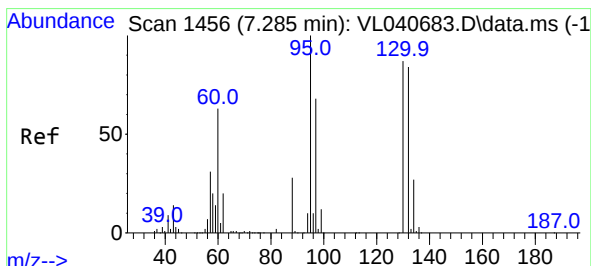
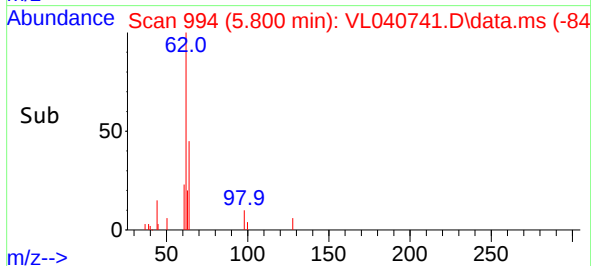
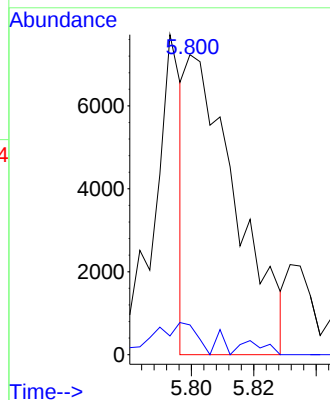
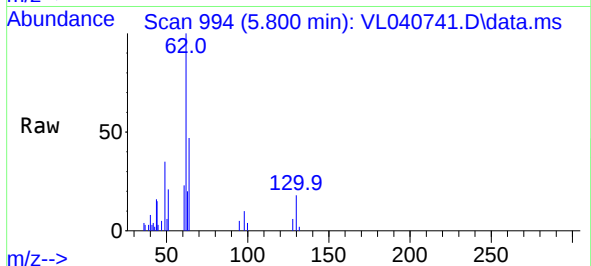




#37
1,2-Dichloroethane
Concen: 0.049 ppbv
RT: 5.800 min Scan# 994
Delta R.T. -0.016 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

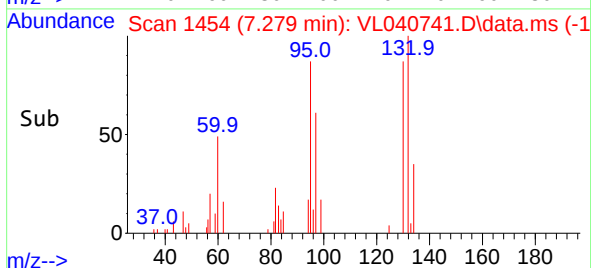
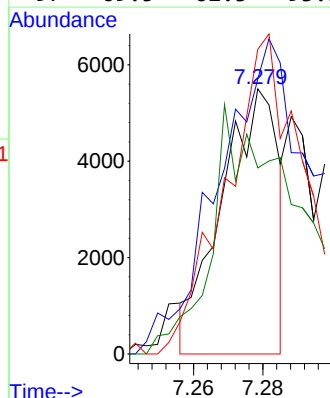
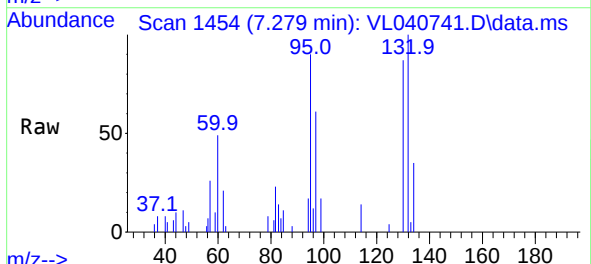
Instrument :
MSVOA_L
ClientSampleId :

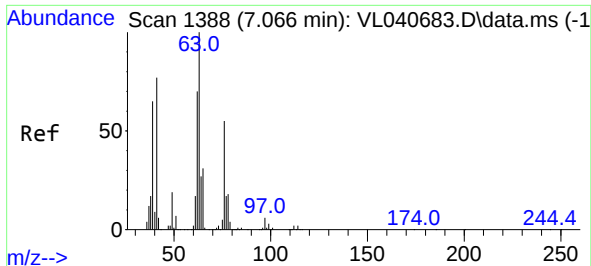
Tgt Ion: 62 Resp: 7974
Ion Ratio Lower Upper
62 100
98 12.9 4.2 6.4#



#38
Trichloroethene
Concen: 0.068 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.022 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion:130 Resp: 6250
Ion Ratio Lower Upper
130 100
95 107.2 91.9 137.9
132 127.2 77.3 115.9#
97 69.5 62.3 93.5





#39

1,2-Dichloropropane

Concen: 8.274 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.440 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

Instrument :

MSVOA_L

ClientSampleId :

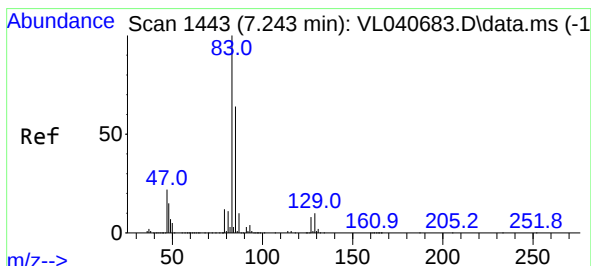
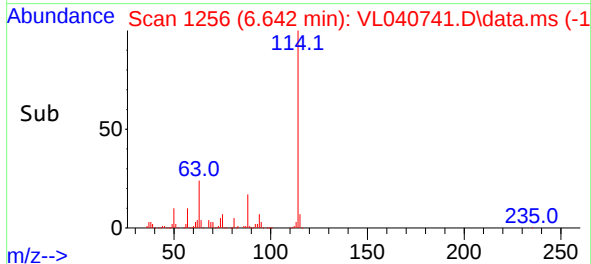
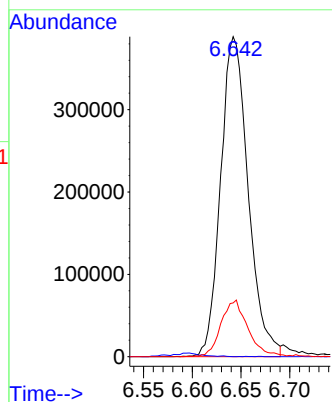
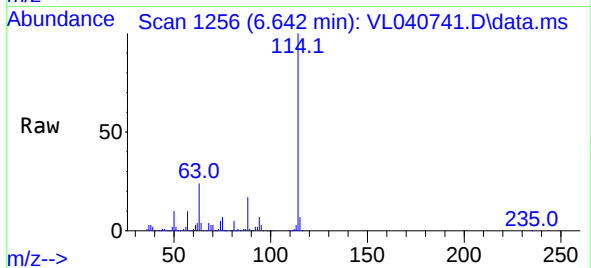
Tgt Ion: 63 Resp: 764158

Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 16.8 55.8 83.8#



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. -0.019 min

Lab File: VL040741.D

Acq: 4 Oct 2023 15:34

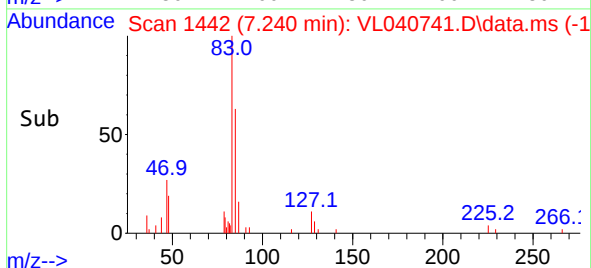
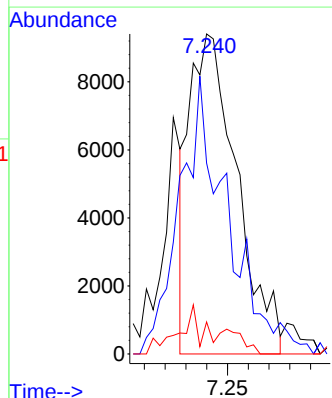
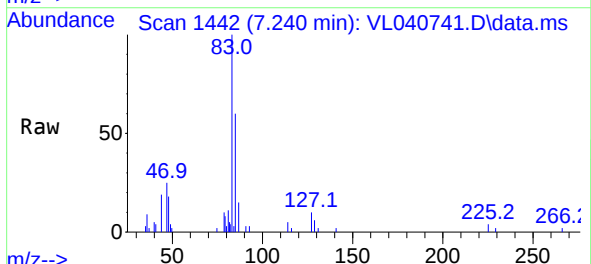
Tgt Ion: 83 Resp: 14941

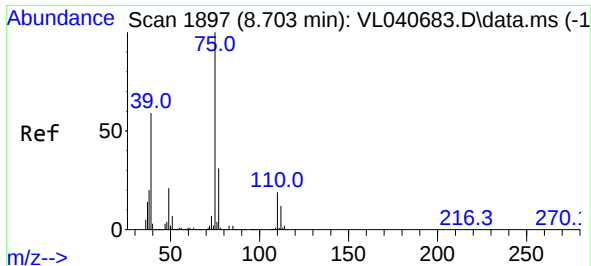
Ion Ratio Lower Upper

83 100

85 52.8 51.2 76.8

127 10.6 6.2 9.4#

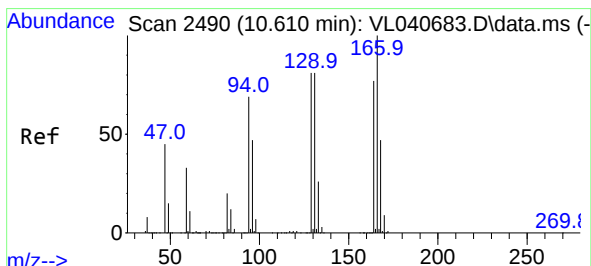
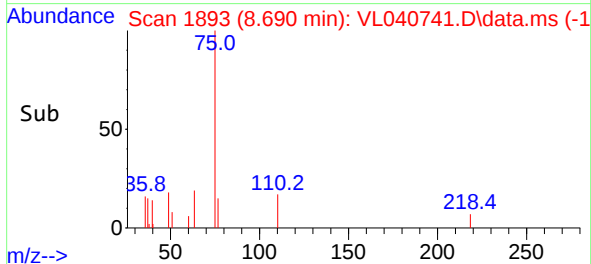
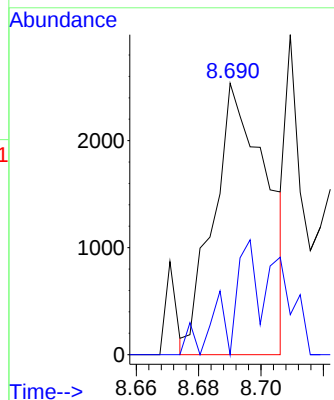
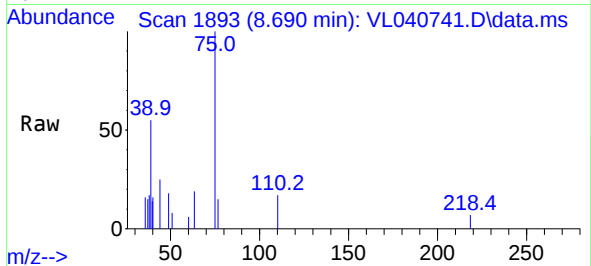




#45
t-1,3-Dichloropropene
Concen: 0.043 ppbv
RT: 8.690 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

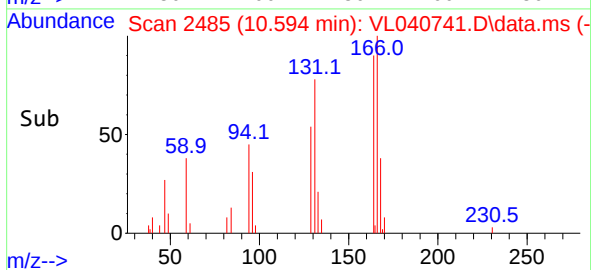
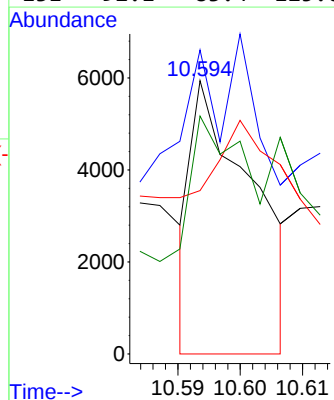
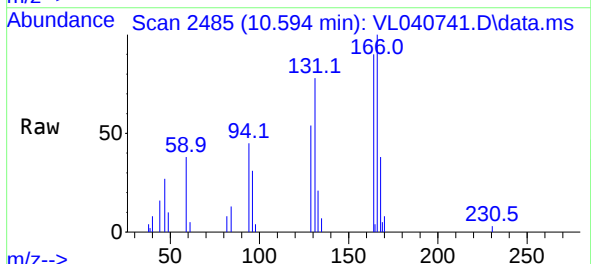
Instrument :
MSVOA_L
ClientSampleId :

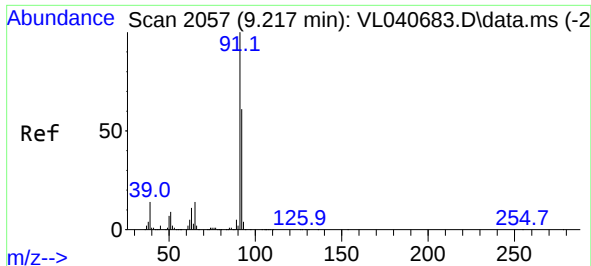
Tgt Ion: 75 Resp: 2988
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#



#52
Tetrachloroethene
Concen: 0.051 ppbv
RT: 10.594 min Scan# 2485
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion:164 Resp: 4015
Ion Ratio Lower Upper
164 100
166 93.6 103.4 155.2#
129 4.9 83.5 125.3#
131 92.1 83.4 125.0

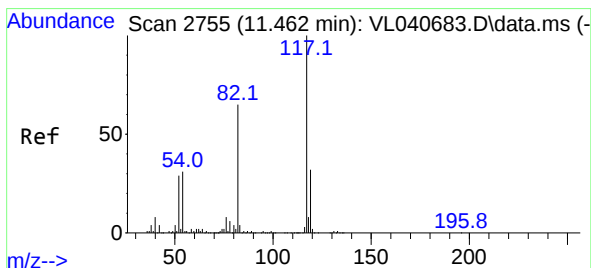
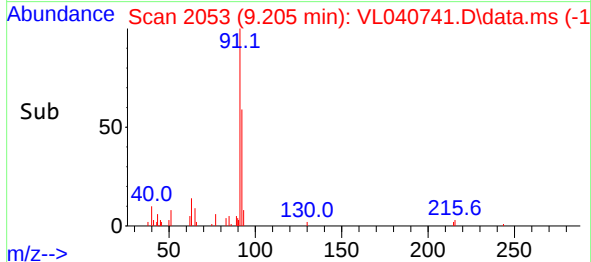
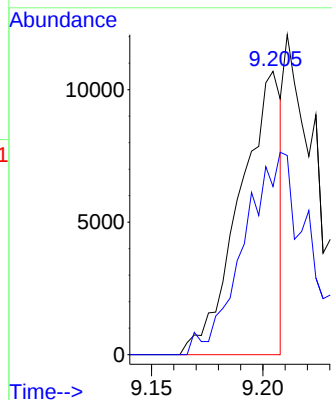
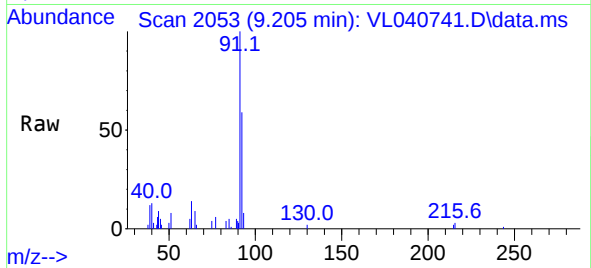




#53
Toluene
Concen: 0.054 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. -0.026 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

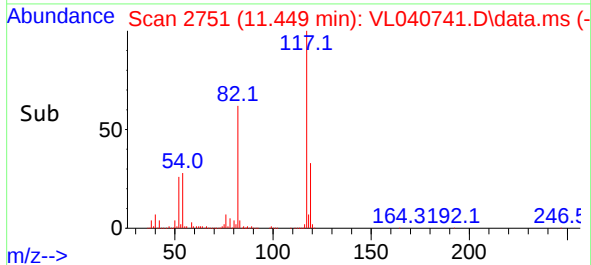
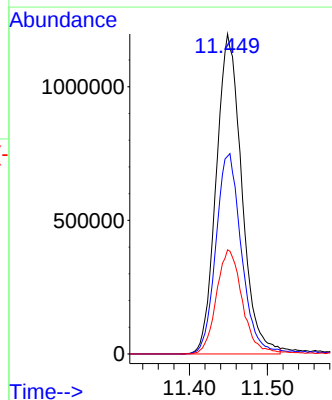
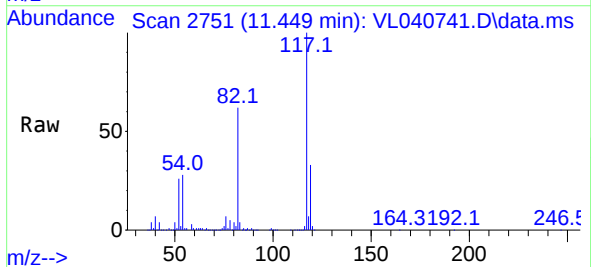
Instrument :
MSVOA_L
ClientSampleId :

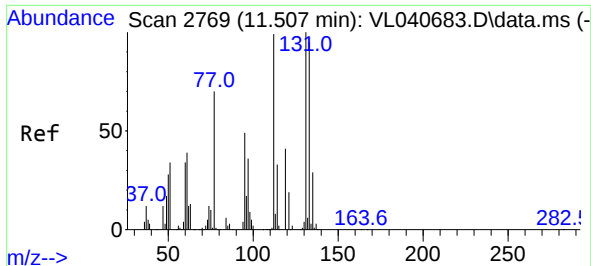
Tgt Ion: 91 Resp: 13735
Ion Ratio Lower Upper
91 100
92 0.0 48.5 72.7#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.029 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

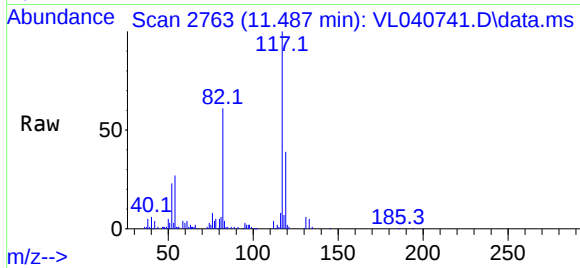
Tgt Ion:117 Resp: 2724868
Ion Ratio Lower Upper
117 100
82 63.7 51.4 77.0
119 33.5 24.7 37.1



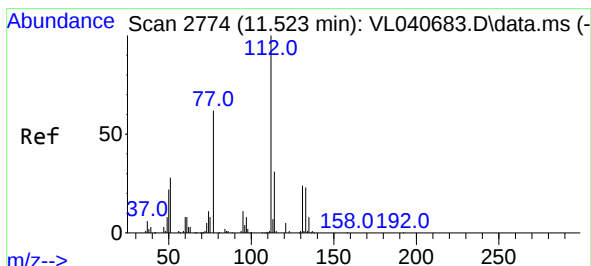
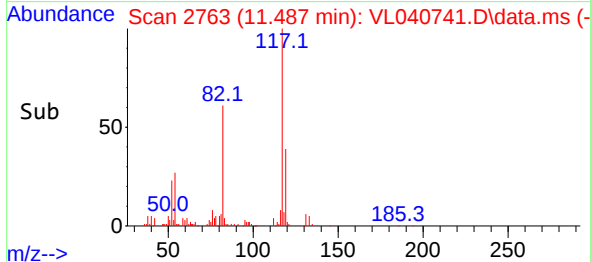
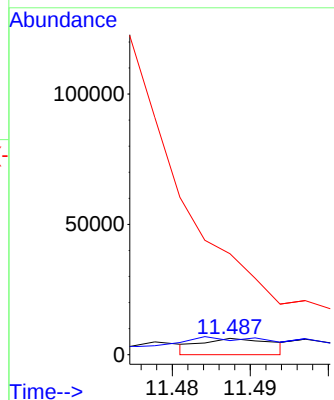


#56
1,1,1,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 11.487 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Instrument :
MSVOA_L
ClientSampleId :

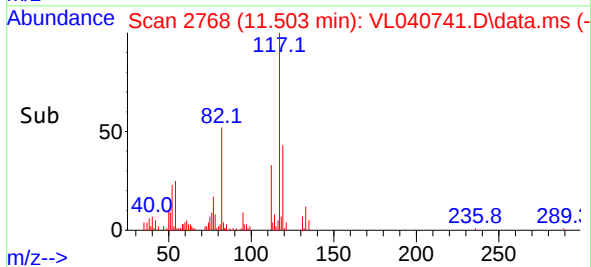
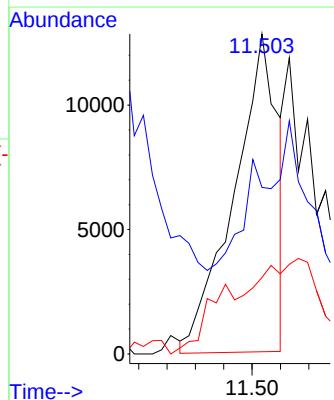
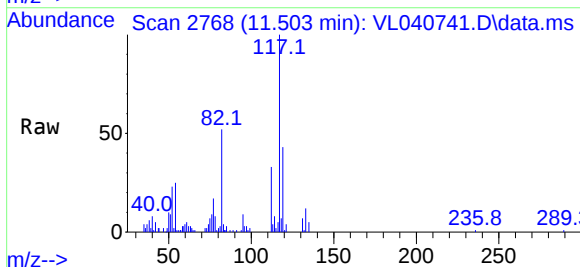


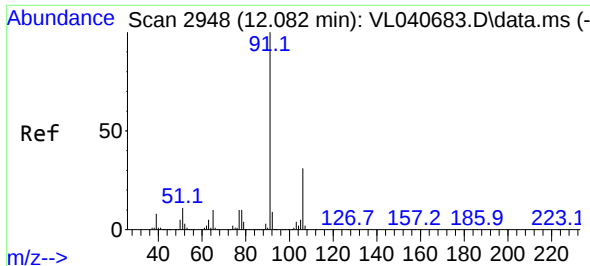
Tgt Ion:131 Resp: 4009
Ion Ratio Lower Upper
131 100
133 362.5 76.2 114.2#
119 0.0 45.5 68.3#



#57
Chlorobenzene
Concen: 0.066 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion:112 Resp: 13660
Ion Ratio Lower Upper
112 100
77 15.7 50.8 76.2#
114 23.0 28.2 34.4#

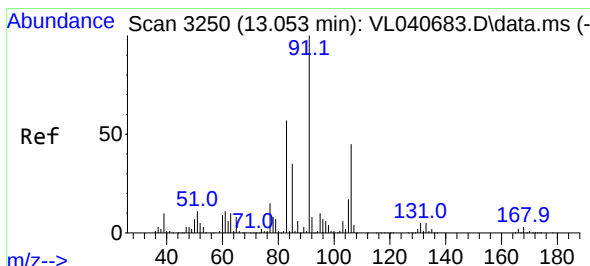
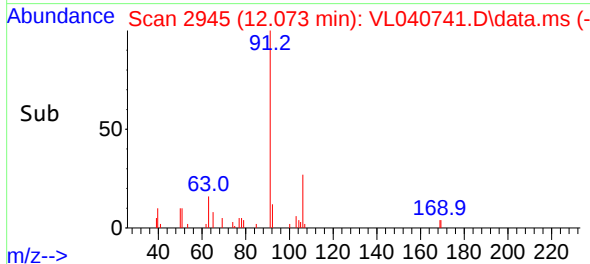
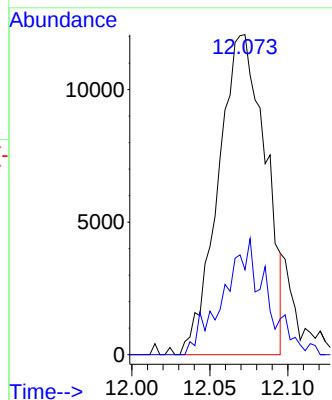
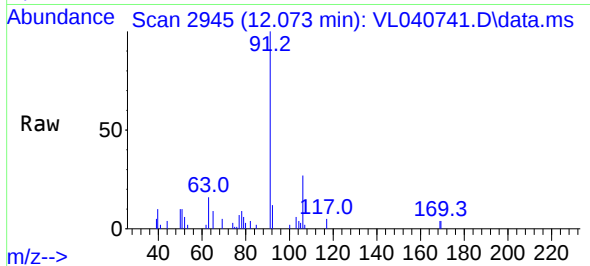




#58
Ethyl Benzene
Concen: 0.082 ppbv
RT: 12.073 min Scan# 2945
Delta R.T. -0.029 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

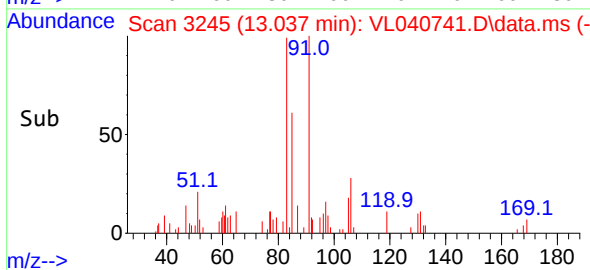
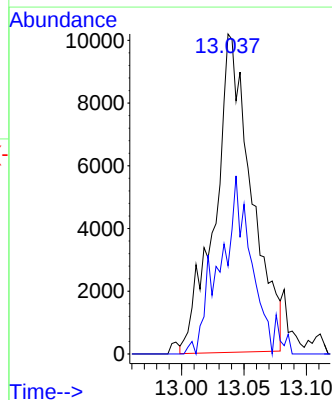
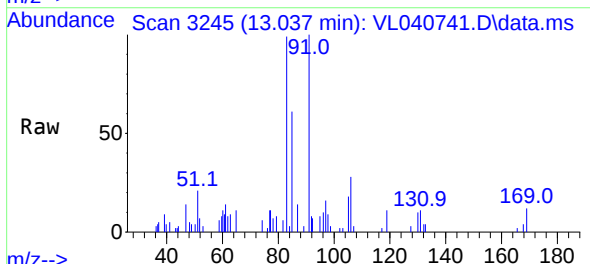
Instrument :
MSVOA_L
ClientSampleId :

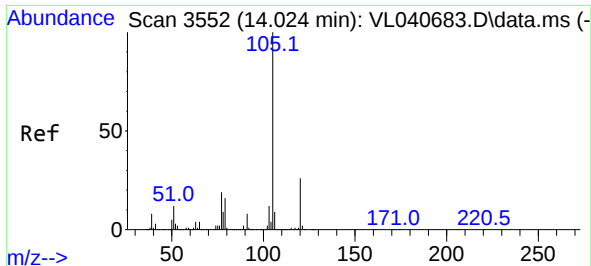
Tgt Ion: 91 Resp: 25370
Ion Ratio Lower Upper
91 100
106 26.6 24.7 37.1



#60
o-Xylene
Concen: 0.075 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion: 91 Resp: 20848
Ion Ratio Lower Upper
91 100
106 48.7 22.3 66.9

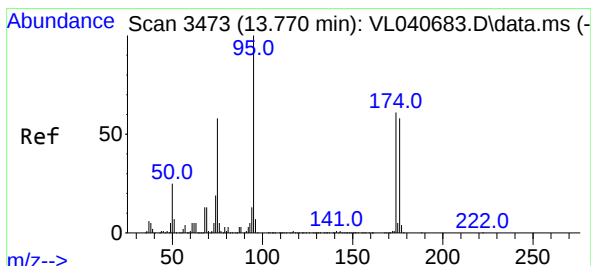
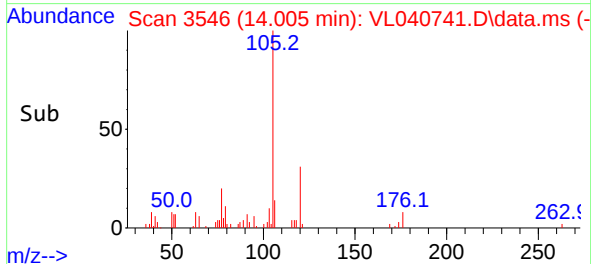
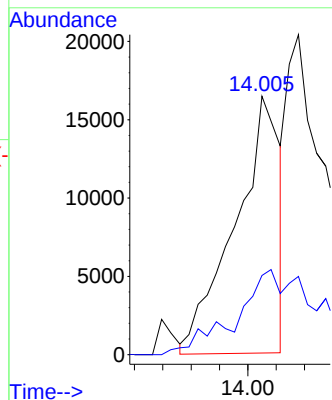
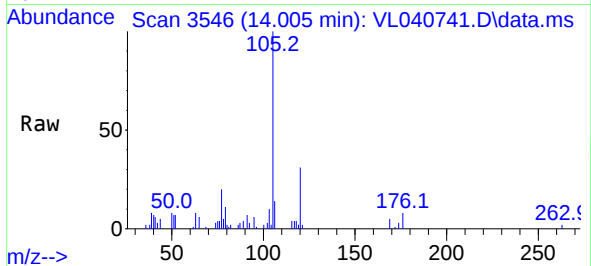




#62
Isopropylbenzene
Concen: 0.043 ppbv
RT: 14.005 min Scan# 31
Delta R.T. -0.032 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

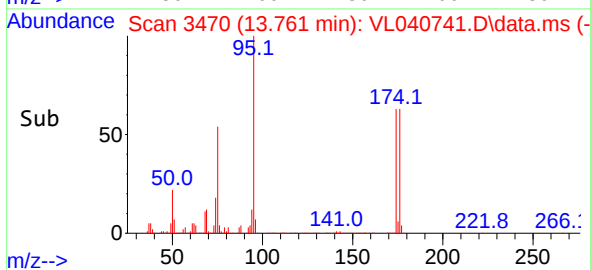
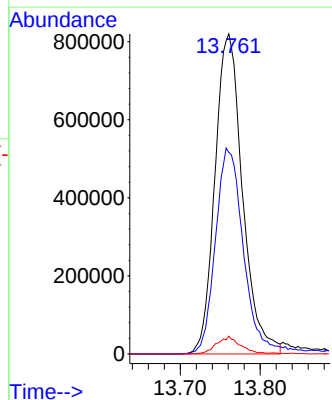
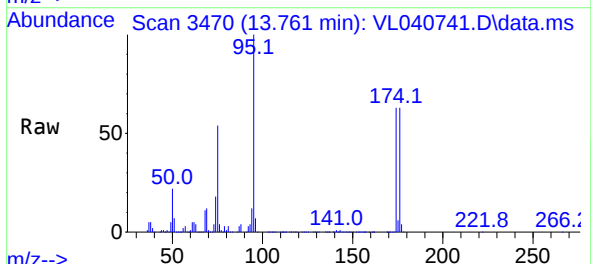
Instrument :
MSVOA_L
ClientSampleId :

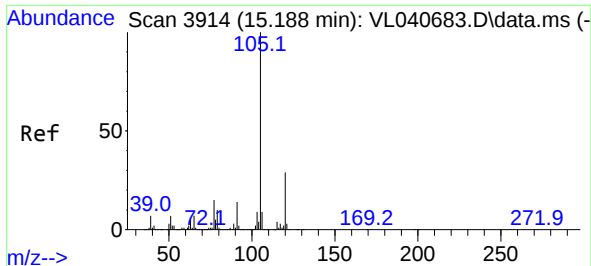
Tgt Ion:105 Resp: 17940
Ion Ratio Lower Upper
105 100
120 63.3 20.2 30.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.321 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. -0.026 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

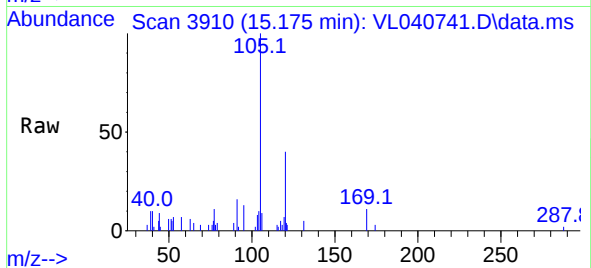
Tgt Ion: 95 Resp: 1962350
Ion Ratio Lower Upper
95 100
174 67.9 48.9 73.3
175 5.0 3.5 5.3



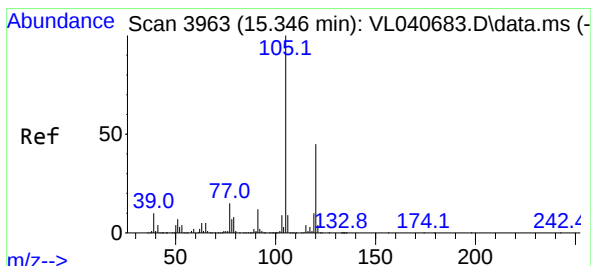
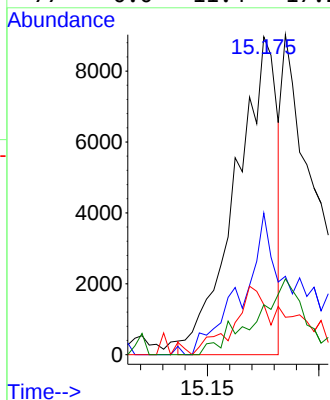
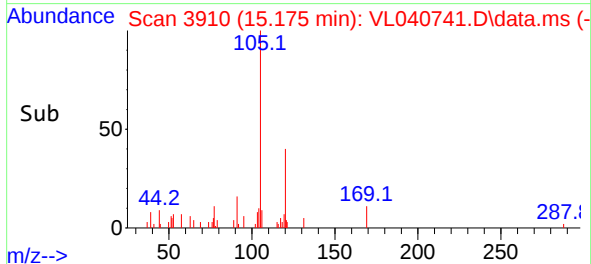


#72
4-Ethyltoluene
Concen: 0.037 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. -0.026 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

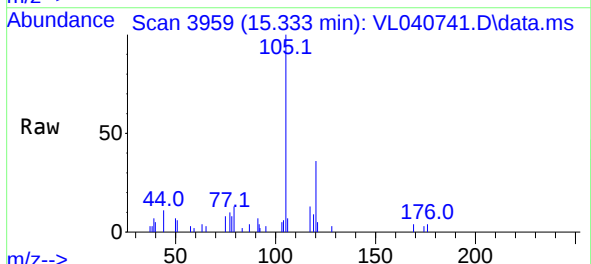
Instrument :
MSVOA_1
ClientSampleId :



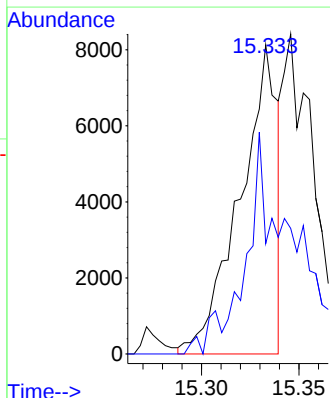
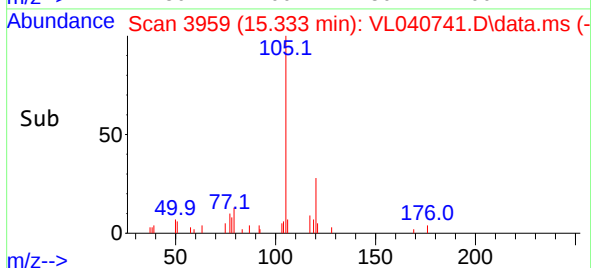
Tgt Ion:105 Resp: 11548
Ion Ratio Lower Upper
105 100
120 62.7 23.9 35.9#
91 37.2 11.0 16.4#
77 0.0 11.4 17.2#

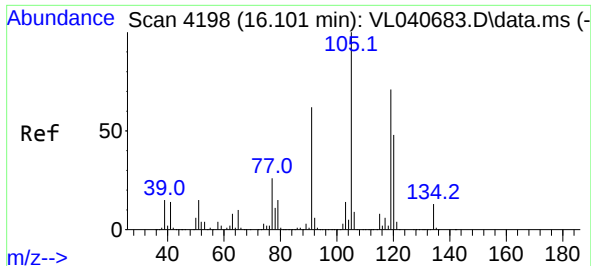


#73
1,3,5-Trimethylbenzene
Concen: 0.038 ppbv
RT: 15.333 min Scan# 3959
Delta R.T. -0.029 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34



Tgt Ion:105 Resp: 10809
Ion Ratio Lower Upper
105 100
120 36.4 36.1 54.1



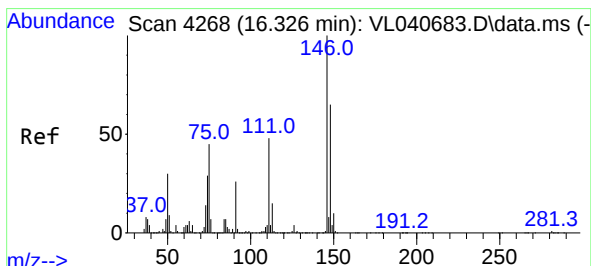
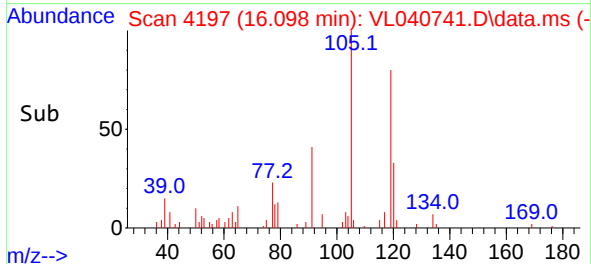
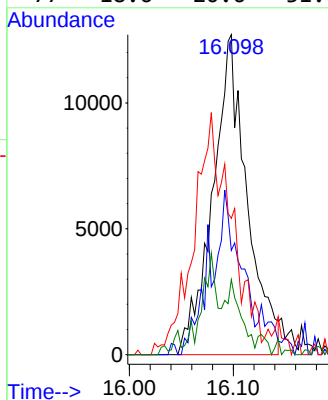
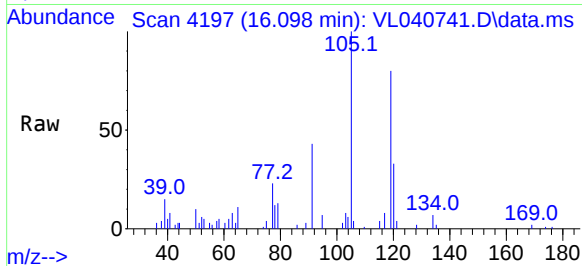


#74
1,2,4-Trimethylbenzene
Concen: 0.085 ppbv
RT: 16.098 min Scan# 4198
Delta R.T. -0.019 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 29014

Ion	Ratio	Lower	Upper
105	100		
120	32.6	38.6	57.8#
91	30.7	50.0	75.0#
77	18.6	20.6	31.0#



#75
1,3-Dichlorobenzene
Concen: 0.033 ppbv
RT: 16.304 min Scan# 4261
Delta R.T. -0.035 min
Lab File: VL040741.D
Acq: 4 Oct 2023 15:34

Tgt Ion:146 Resp: 6368

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.9	71.7#
148	0.0	31.8	95.4#

