

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040744.D
 Acq On : 4 Oct 2023 17:33
 Operator : SY/MD
 Sample : 04716-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 05 04:28:04 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)

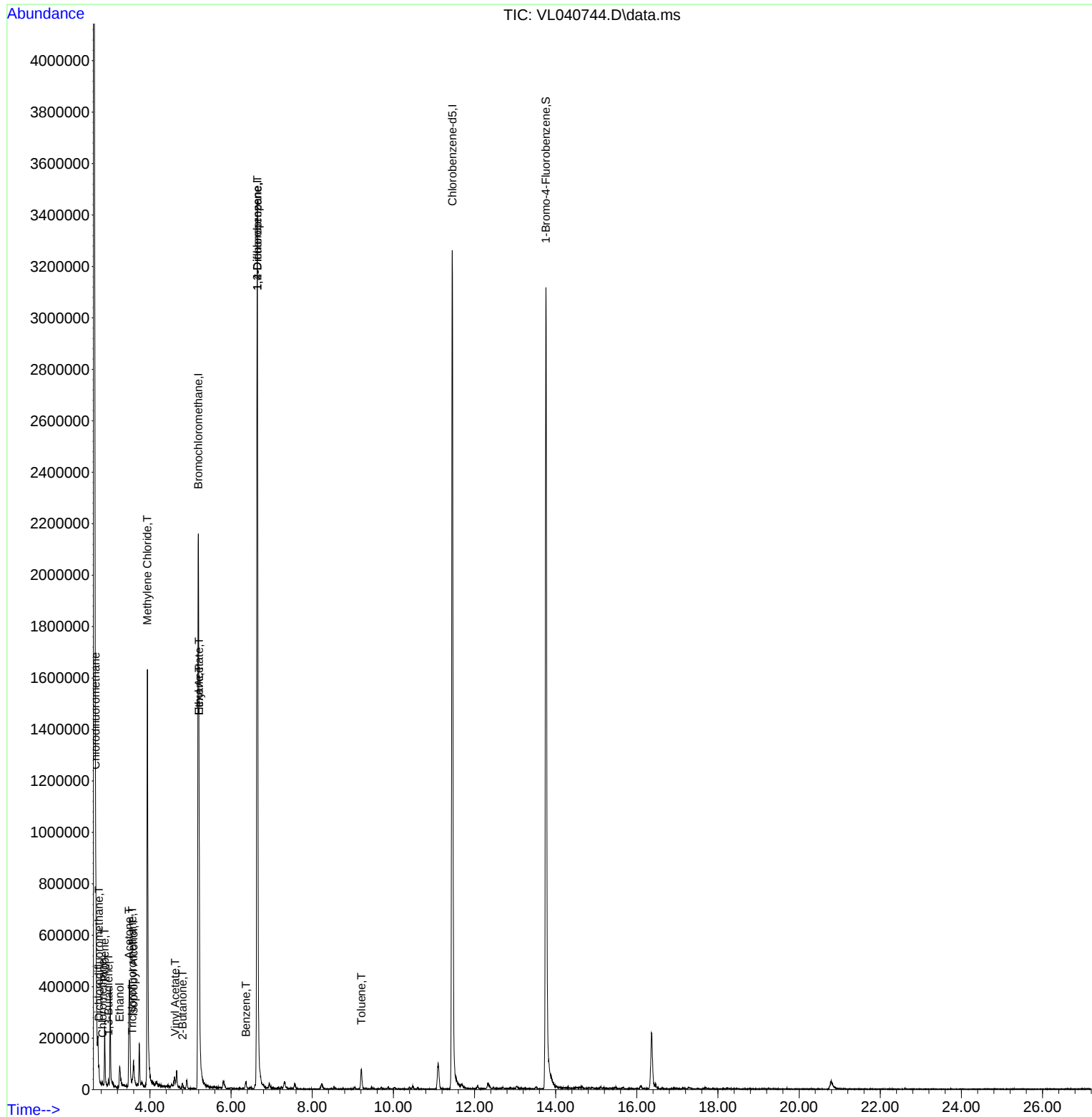
Internal Standards						
1) Bromochloromethane	5.192	49	914261	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2501997	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2082502	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1535036	9.540	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	24768	0.123	ppbv	91
3) Chlorodifluoromethane	2.661	51	41445	0.278	ppbv #	77
4) Chloromethane	2.828	50	6841	0.120	ppbv #	72
9) Propene	2.883	41	58622	1.366	ppbv	95
11) Trichlorofluoromethane	3.565	101	9175	0.052	ppbv #	74
13) Ethanol	3.256	45	53786	4.235	ppbv #	54
15) Acetone	3.481	43	359086	2.978	ppbv	96
16) 1,3-Butadiene	2.976	39	4793	0.091	ppbv #	9
19) Isopropyl Alcohol	3.594	45	102643	1.413	ppbv #	95
20) Methylene Chloride	3.938	84	572304	8.817	ppbv	96
23) Vinyl Acetate	4.623	43	4808	0.039	ppbv #	49
25) Ethyl Acetate	5.211	43	193315	0.994	ppbv #	79
26) Hexane	5.211	57	265570	2.888	ppbv #	42
34) 2-Butanone	4.806	43	21166	0.168	ppbv #	87
36) Benzene	6.365	78	17084	0.092	ppbv	94
39) 1,2-Dichloropropane	6.645	63	618330	8.670	ppbv #	24
53) Toluene	9.211	91	54924	0.281	ppbv	99

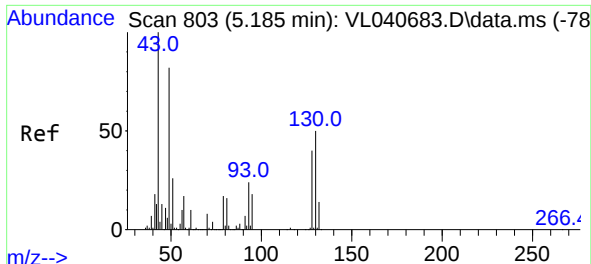
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040744.D
Acq On : 4 Oct 2023 17:33
Operator : SY/MD
Sample : 04716-04DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

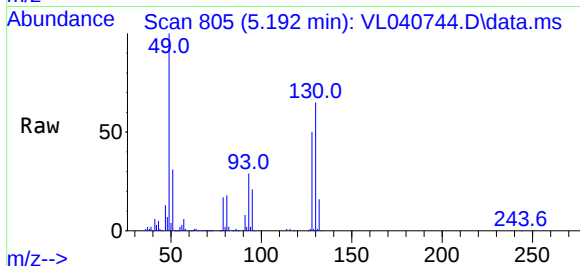
Quant Time: Oct 05 04:28:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration



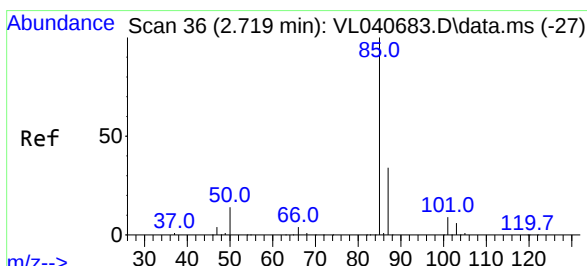
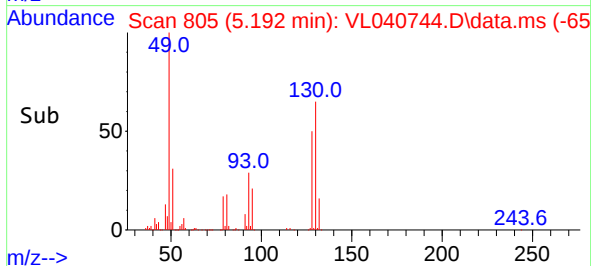
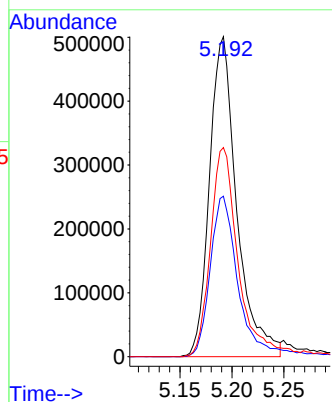


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Instrument :
MSVOA_L
ClientSampleId :

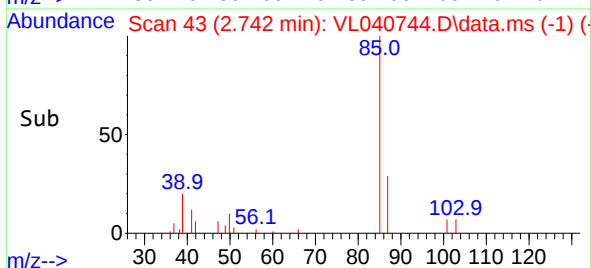
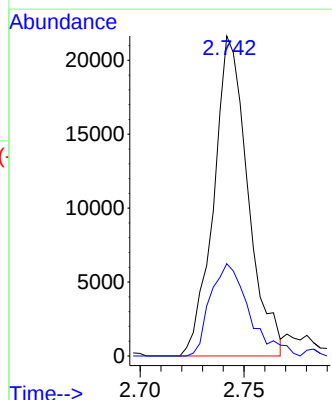
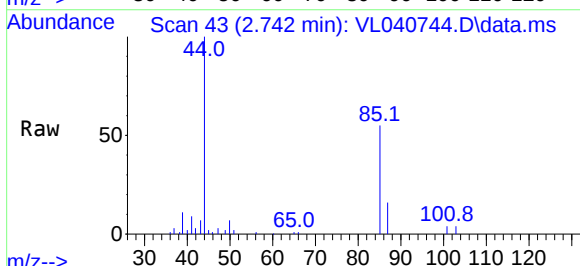


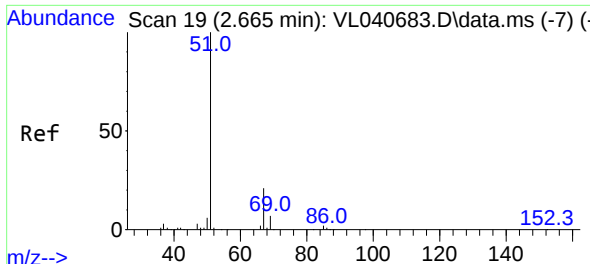
Tgt Ion: 49 Resp: 914261
Ion Ratio Lower Upper
49 100
128 52.0 25.4 76.0
130 68.5 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 85 Resp: 24768
Ion Ratio Lower Upper
85 100
87 28.8 27.2 40.8

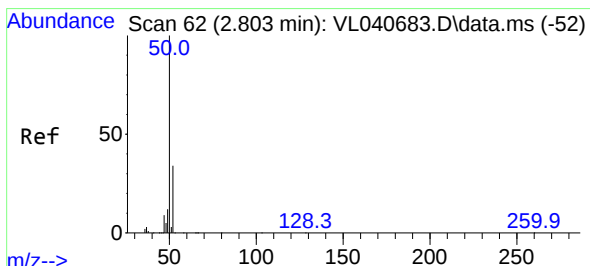
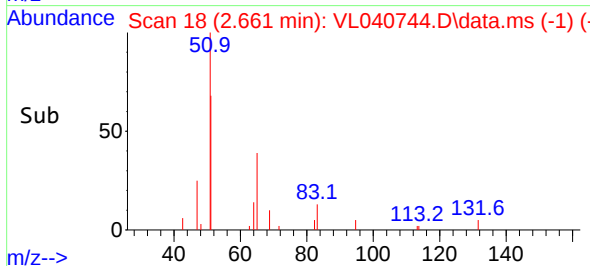
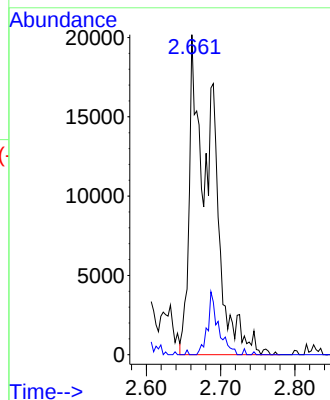
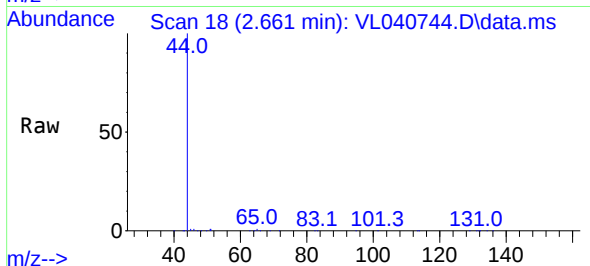




#3
Chlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

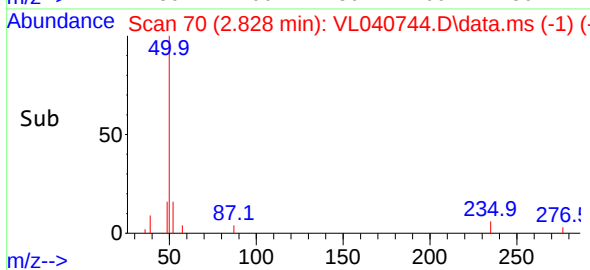
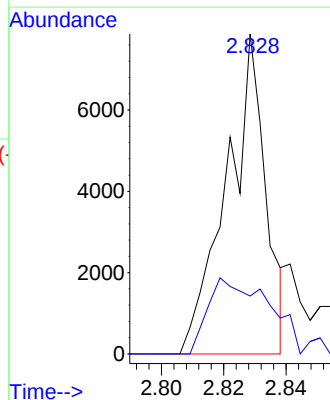
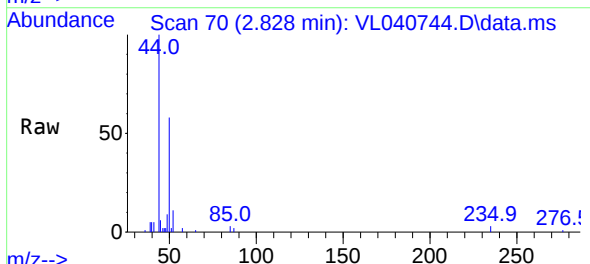
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 41445
Ion Ratio Lower Upper
51 100
67 10.0 16.7 25.1#

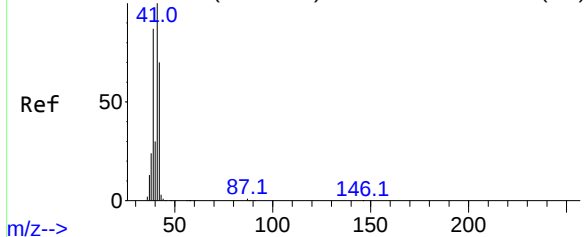


#4
Chloromethane
Concen: 0.120 ppbv
RT: 2.828 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 50 Resp: 6841
Ion Ratio Lower Upper
50 100
52 18.1 27.1 40.7#



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



#9

Propene

Concen: 1.366 ppbv

RT: 2.883 min Scan# 81

Delta R.T. 0.186 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

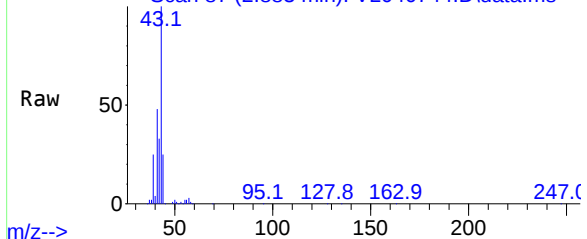
Tgt Ion: 41 Resp: 58622

Ion Ratio Lower Upper

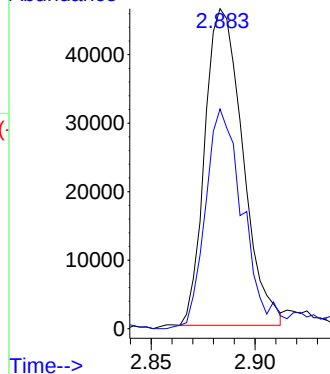
41 100

42 75.2 56.7 85.1

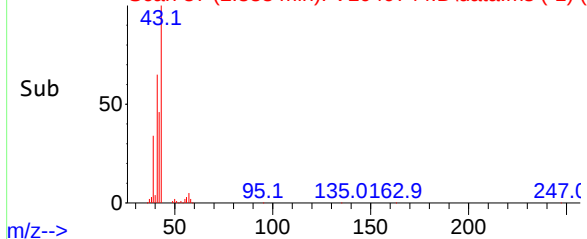
Abundance Scan 87 (2.883 min): VL040744.D\data.ms



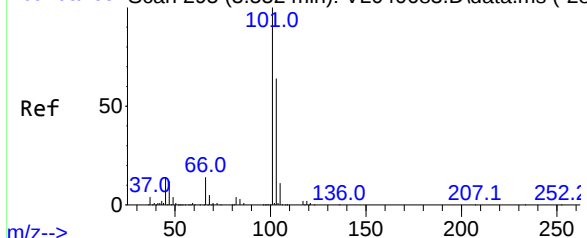
Abundance



Abundance Scan 87 (2.883 min): VL040744.D\data.ms (-1) (-1)



Abundance Scan 295 (3.552 min): VL040683.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.052 ppbv

RT: 3.565 min Scan# 299

Delta R.T. -0.003 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

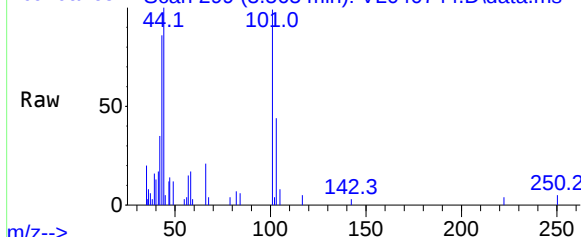
Tgt Ion: 101 Resp: 9175

Ion Ratio Lower Upper

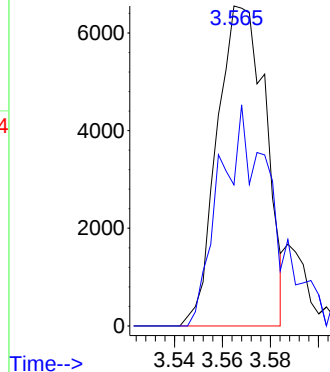
101 100

103 44.1 51.3 76.9#

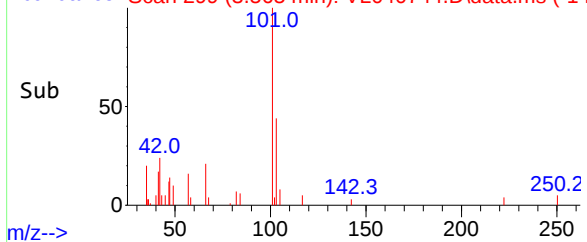
Abundance Scan 299 (3.565 min): VL040744.D\data.ms

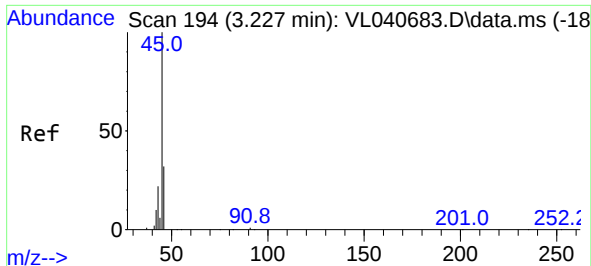


Abundance



Abundance Scan 299 (3.565 min): VL040744.D\data.ms (-14)





#13

Ethanol

Concen: 4.235 ppbv

RT: 3.256 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

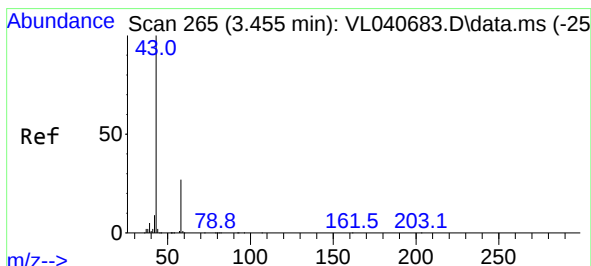
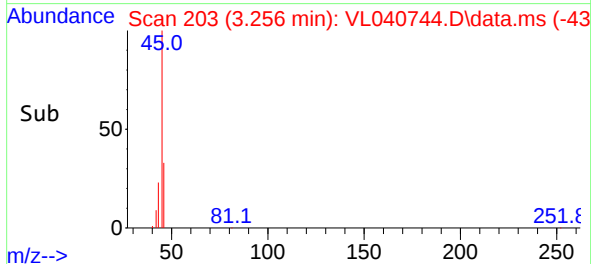
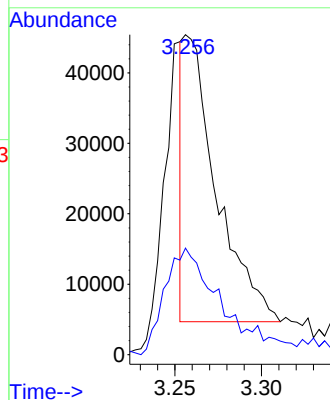
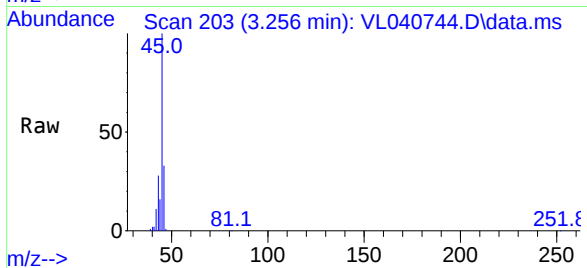
ClientSampleId :

Tgt Ion: 45 Resp: 53786

Ion Ratio Lower Upper

45 100

46 66.1 15.2 61.0#



#15

Acetone

Concen: 2.978 ppbv

RT: 3.481 min Scan# 273

Delta R.T. 0.010 min

Lab File: VL040744.D

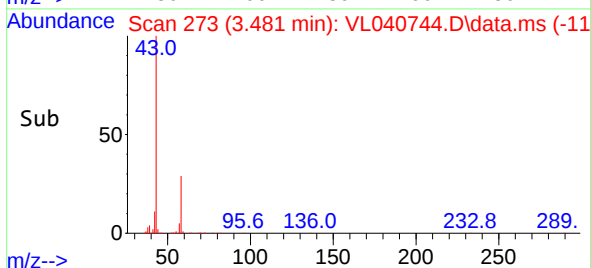
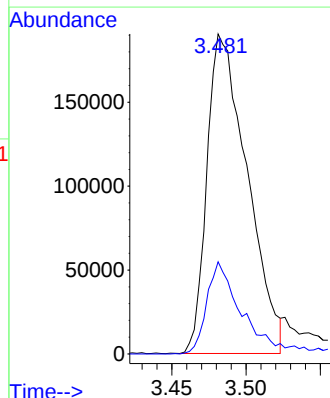
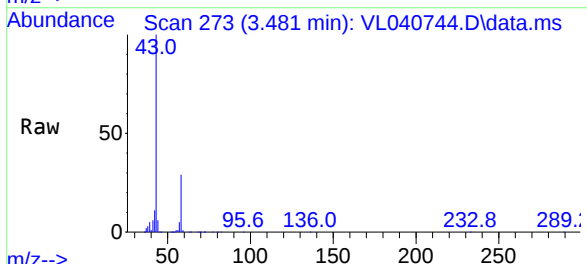
Acq: 4 Oct 2023 17:33

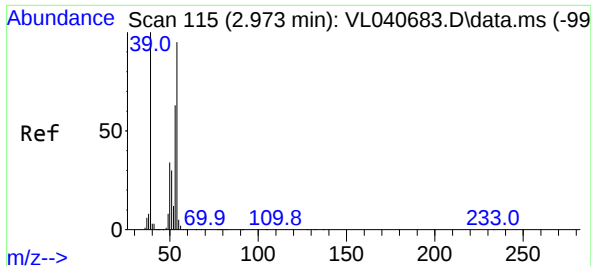
Tgt Ion: 43 Resp: 359086

Ion Ratio Lower Upper

43 100

58 26.4 22.6 34.0





#16

1,3-Butadiene

Concen: 0.091 ppbv

RT: 2.976 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

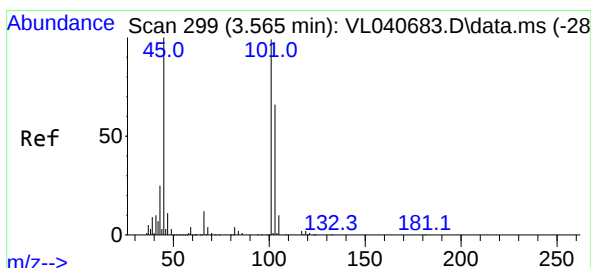
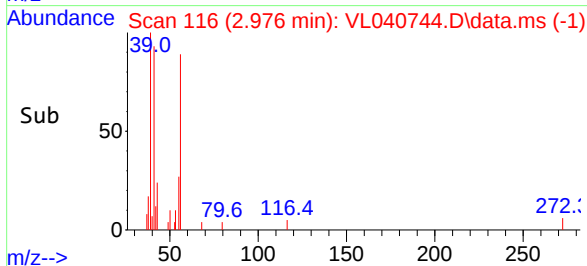
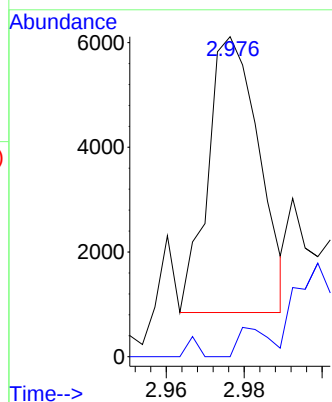
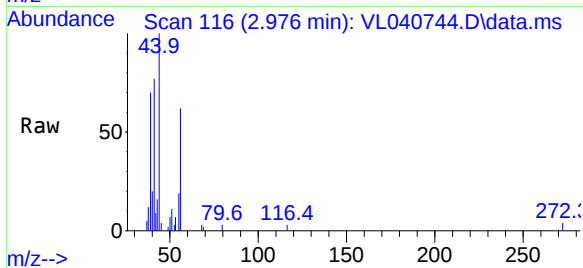
ClientSampleId :

Tgt Ion: 39 Resp: 4793

Ion Ratio Lower Upper

39 100

54 0.0 64.8 97.2#



#19

Isopropyl Alcohol

Concen: 1.413 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.016 min

Lab File: VL040744.D

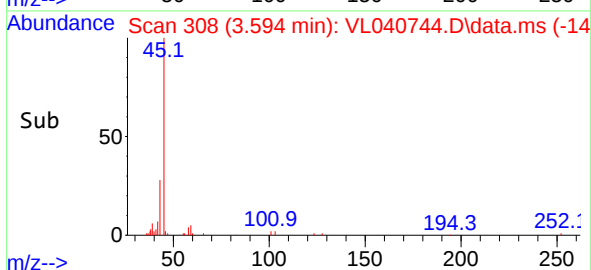
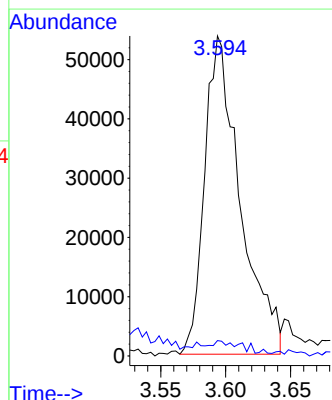
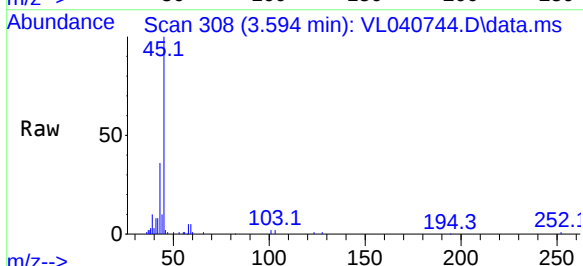
Acq: 4 Oct 2023 17:33

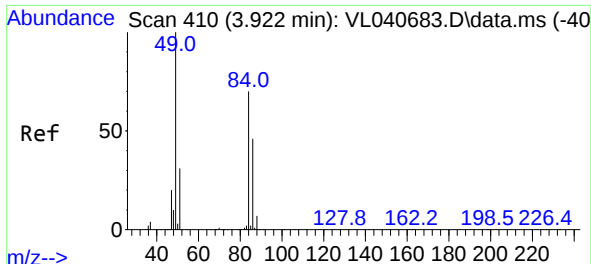
Tgt Ion: 45 Resp: 102643

Ion Ratio Lower Upper

45 100

58 4.2 1.9 2.9#

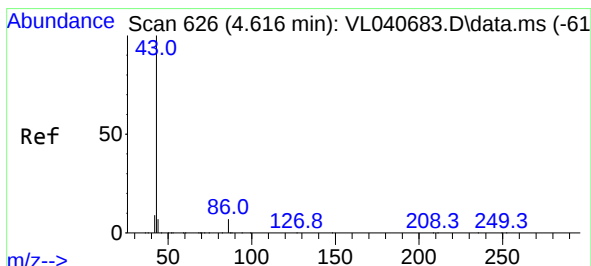
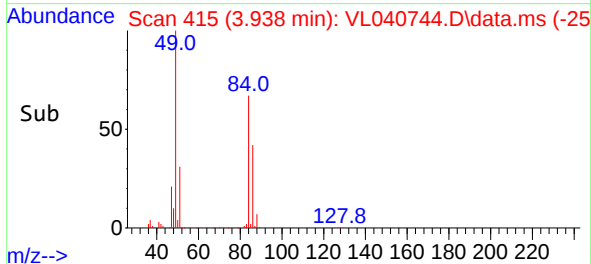
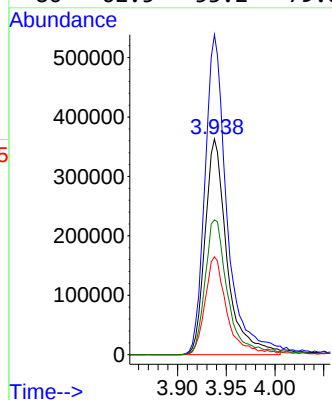
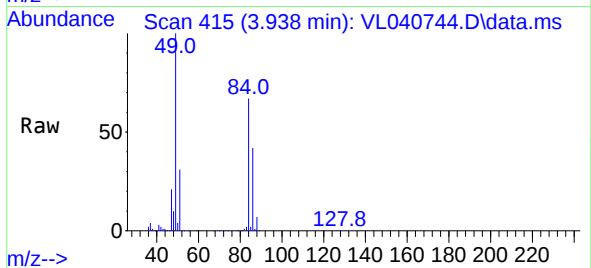




#20
Methylene Chloride
Concen: 8.817 ppbv
RT: 3.938 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

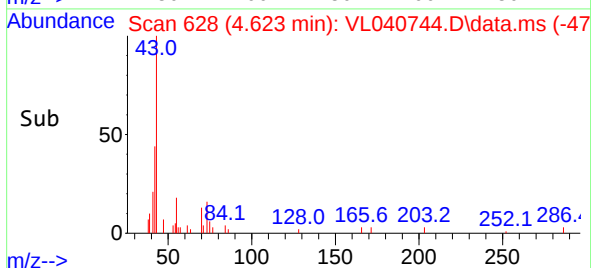
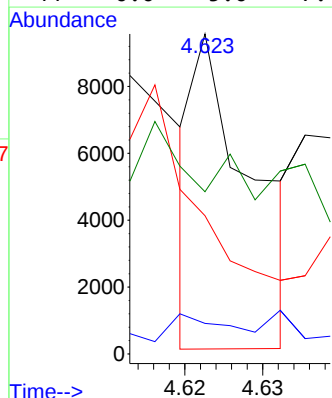
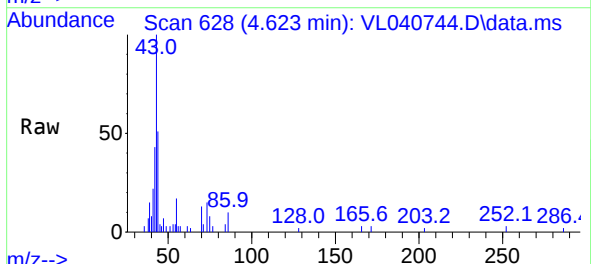
Instrument :
MSVOA_L
ClientSampleId :

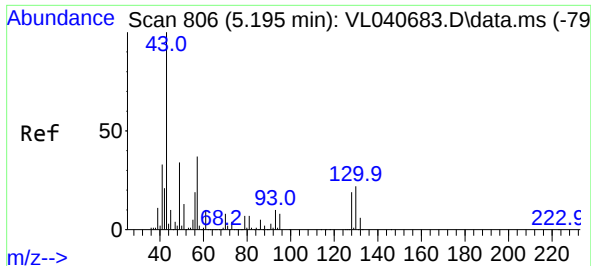
Tgt Ion: 84 Resp: 572304
Ion Ratio Lower Upper
84 100
49 148.4 114.4 171.6
51 45.4 35.5 53.3
86 62.5 53.2 79.8



#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 4.623 min Scan# 628
Delta R.T. -0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

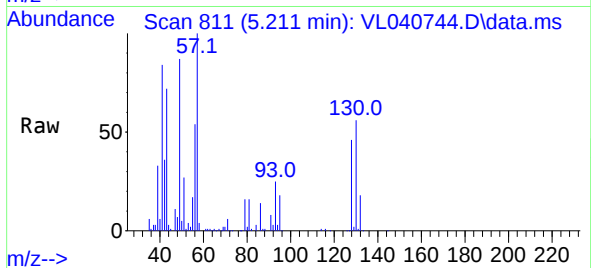
Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#
42 44.0 7.6 11.4#
44 0.0 5.0 7.4#



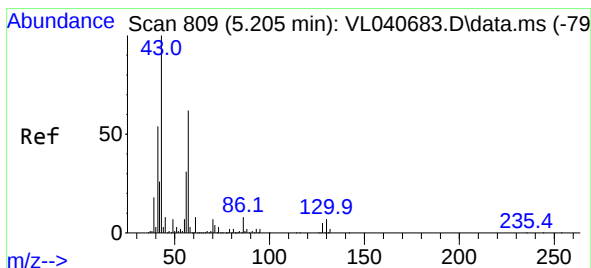
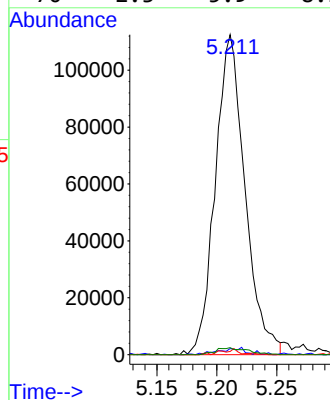
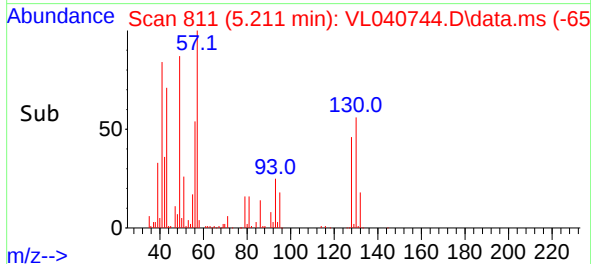


#25
Ethyl Acetate
Concen: 0.994 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

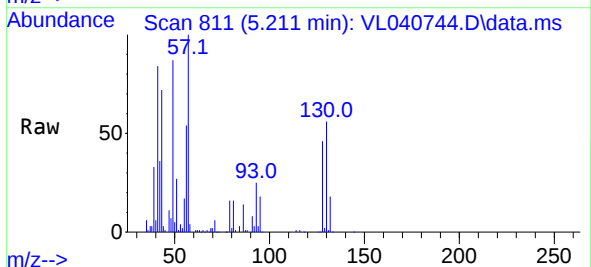
Instrument :
MSVOA_L
ClientSampleId :



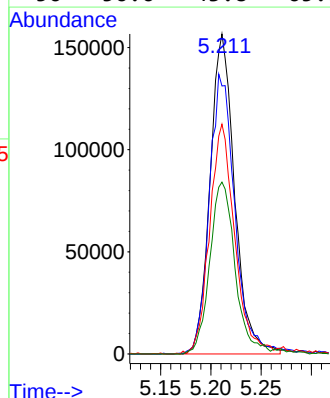
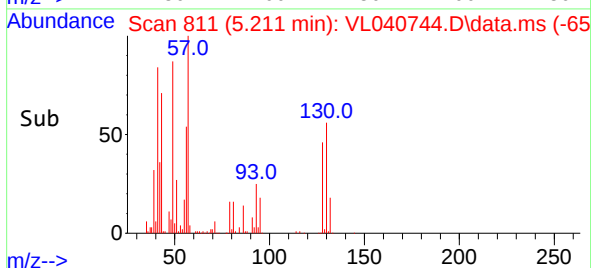
Tgt Ion: 43 Resp: 193315
Ion Ratio Lower Upper
43 100
45 2.0 8.2 12.4#
61 1.2 8.2 12.4#
70 2.3 5.9 8.9#

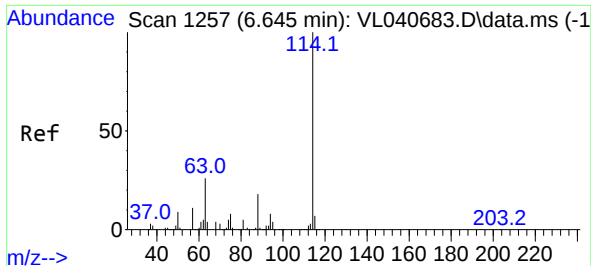


#26
Hexane
Concen: 2.888 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33



Tgt Ion: 57 Resp: 265570
Ion Ratio Lower Upper
57 100
41 92.8 75.2 112.8
43 75.5 185.6 278.4#
56 56.6 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

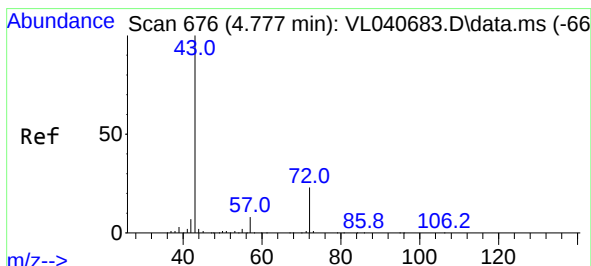
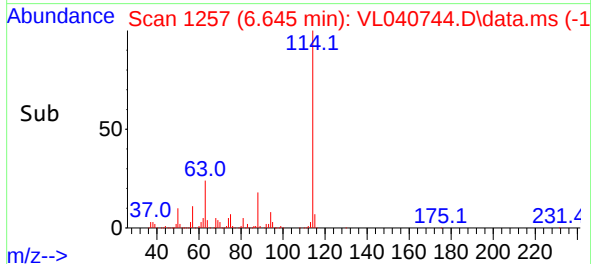
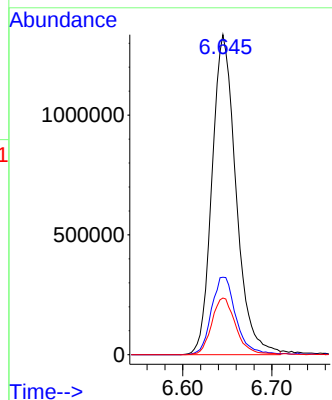
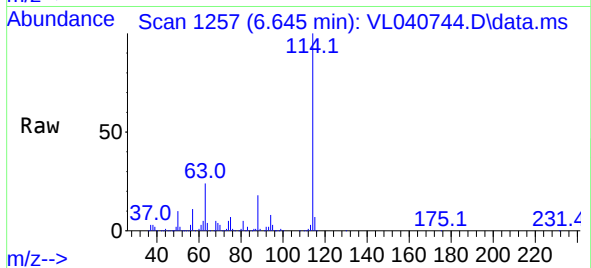
Tgt Ion:114 Resp: 2501997

Ion Ratio Lower Upper

114 100

63 25.2 21.1 31.7

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 0.168 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.016 min

Lab File: VL040744.D

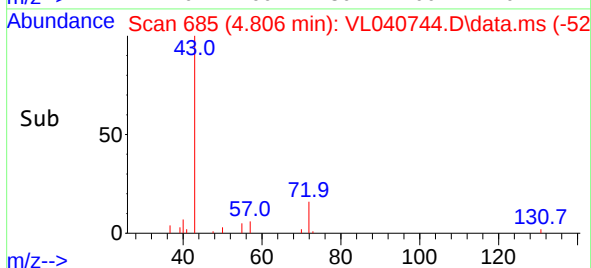
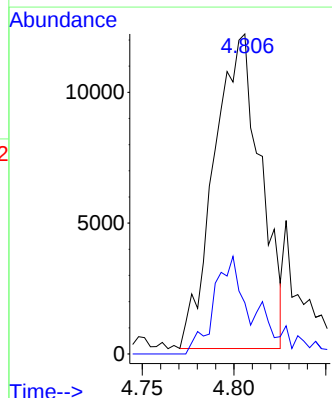
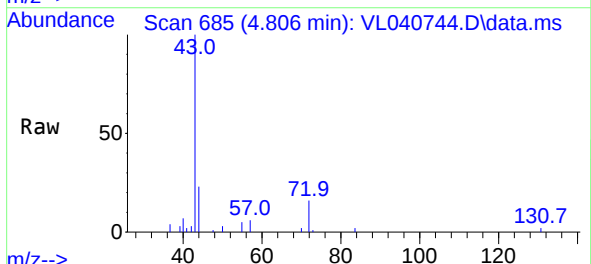
Acq: 4 Oct 2023 17:33

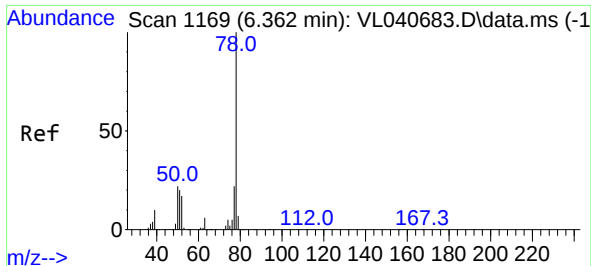
Tgt Ion: 43 Resp: 21166

Ion Ratio Lower Upper

43 100

72 29.3 18.6 27.8#

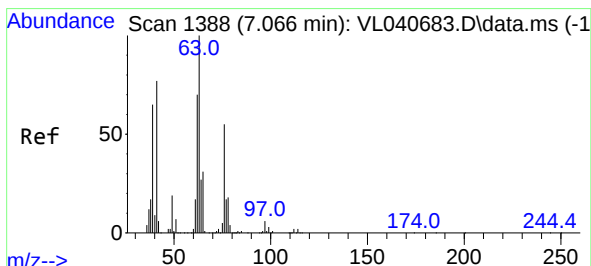
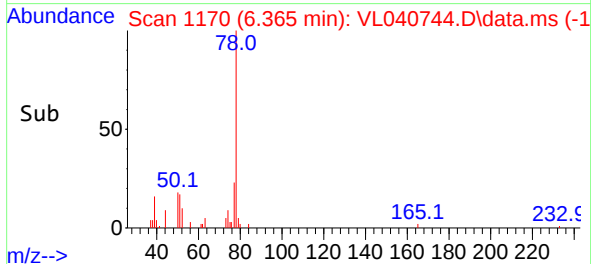
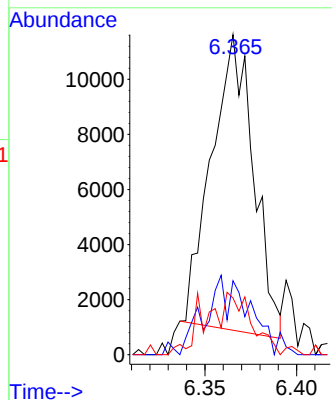
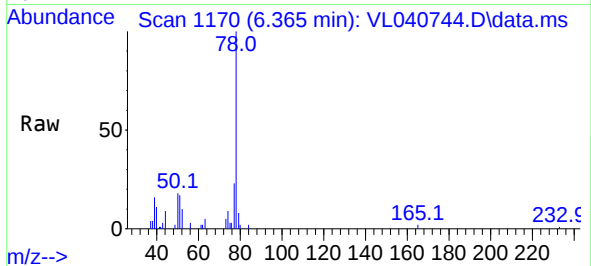




#36
Benzene
Concen: 0.092 ppbv
RT: 6.365 min Scan# 1169
Delta R.T. -0.016 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

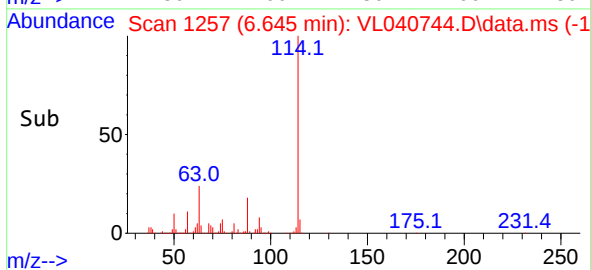
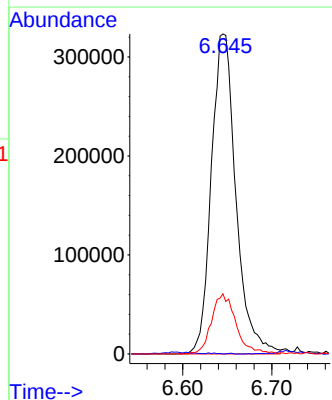
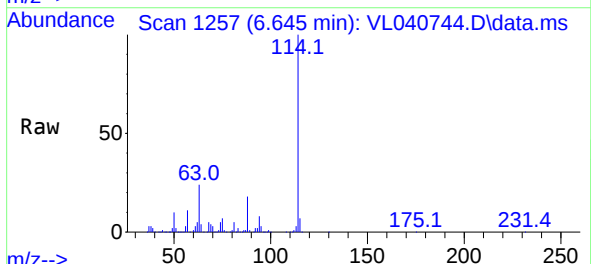
Instrument :
MSVOA_L
ClientSampleId :

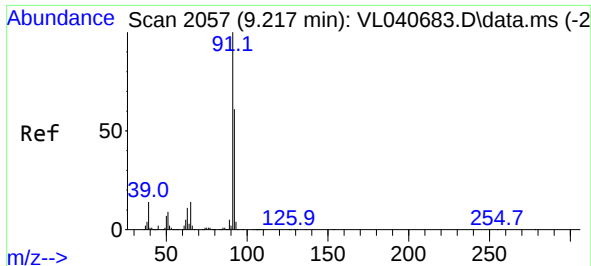
Tgt Ion: 78 Resp: 17084
Ion Ratio Lower Upper
78 100
77 25.8 17.9 26.9
50 19.8 17.3 25.9



#39
1,2-Dichloropropane
Concen: 8.670 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.437 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 63 Resp: 618330
Ion Ratio Lower Upper
63 100
41 0.0 61.6 92.4#
62 18.7 55.8 83.8#

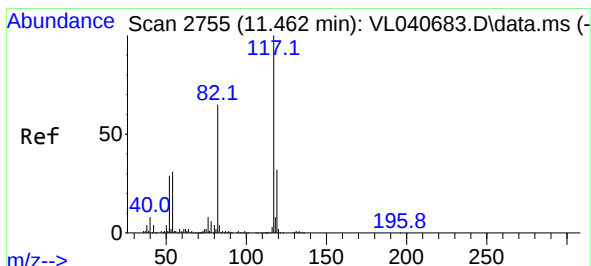
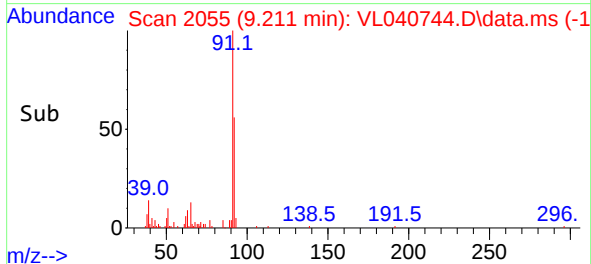
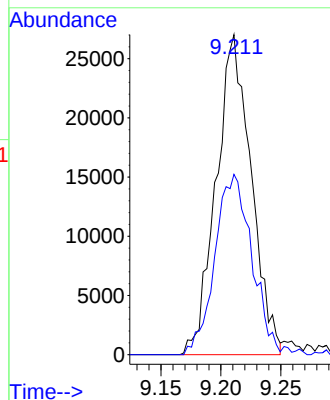
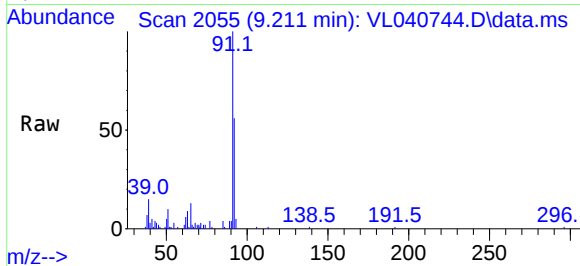




#53
Toluene
Concen: 0.281 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.019 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

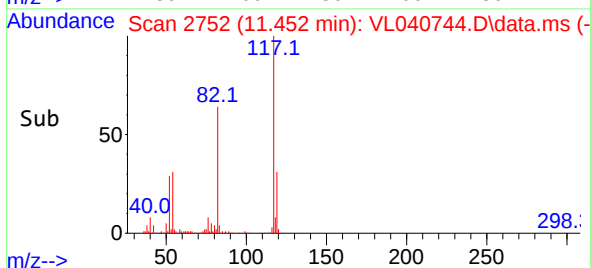
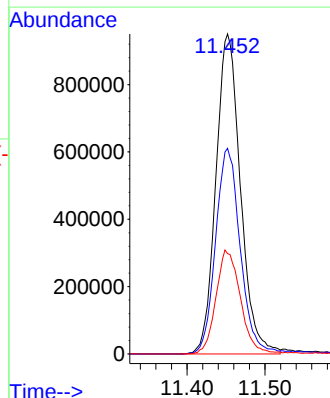
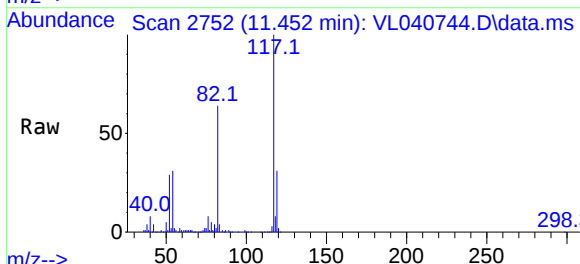
Instrument :
MSVOA_L
ClientSampleId :

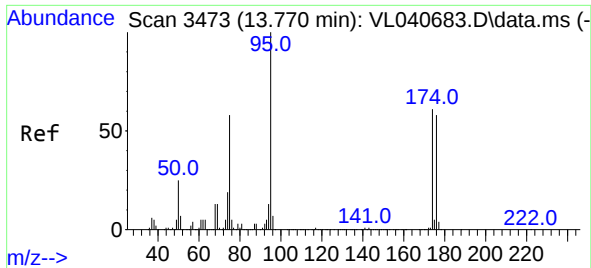
Tgt Ion: 91 Resp: 54924
Ion Ratio Lower Upper
91 100
92 59.6 48.5 72.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.026 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 117 Resp: 2082502
Ion Ratio Lower Upper
117 100
82 65.3 51.4 77.0
119 32.7 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.540 ppbv

RT: 13.760 min Scan# 34

Delta R.T. -0.026 min

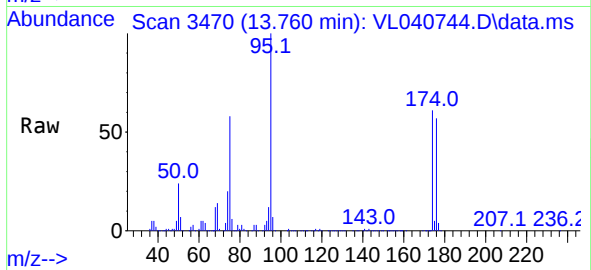
Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 1535036

Ion Ratio Lower Upper

95 100

174 64.0 48.9 73.3

175 4.5 3.5 5.3

