

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041044.D
 Acq On : 7 Feb 2024 17:20
 Operator : SY/MD
 Sample : P1392-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Quant Time: Feb 08 02:46:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Feb 08 02:04:13 2024
 Response via : Initial Calibration

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

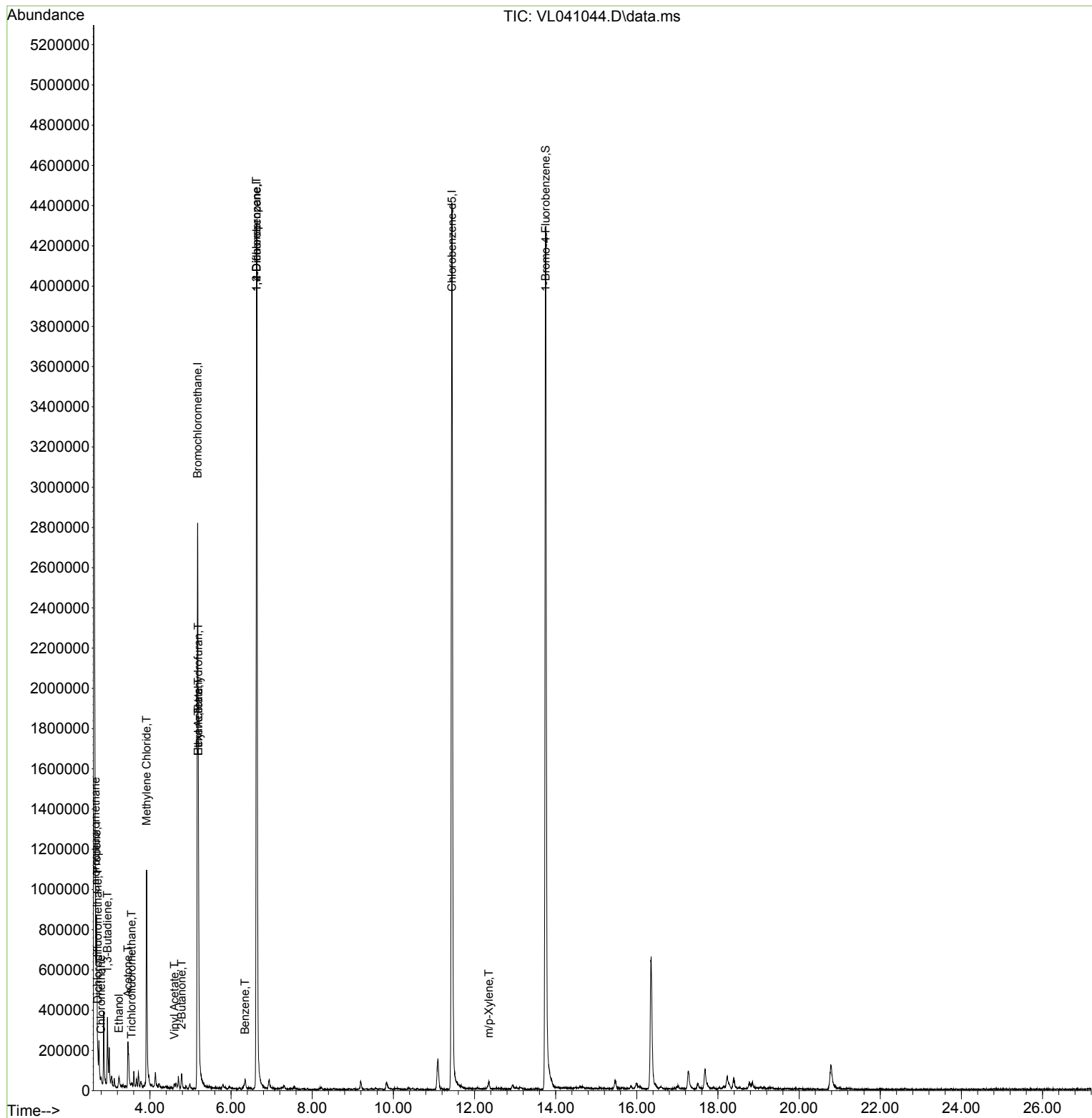
Internal Standards						
1) Bromochloromethane	5.176	49	1269329	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3169762	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2851619	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2210898	10.265	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	28644	0.102	ppbv #	83
3) Chlorodifluoromethane	2.661	51	15363	0.072	ppbv	93
4) Chloromethane	2.796	50	11477	0.143	ppbv	89
9) Propene	2.684	41	234121	3.343	ppbv	89
11) Trichlorofluoromethane	3.546	101	9697	0.043	ppbv	85
13) Ethanol	3.237	45	52579	3.150	ppbv	93
15) Acetone	3.459	43	242040	1.491	ppbv #	85
16) 1,3-Butadiene	2.954	39	104938	1.351	ppbv #	38
20) Methylene Chloride	3.919	84	336617	5.389	ppbv	96
23) Vinyl Acetate	4.603	43	6879	0.041	ppbv #	46
25) Ethyl Acetate	5.195	43	209090	0.710	ppbv #	78
26) Hexane	5.195	57	282987	2.256	ppbv #	38
34) 2-Butanone	4.783	43	84792	0.561	ppbv	91
36) Benzene	6.346	78	17136	0.065	ppbv #	93
39) 1,2-Dichloropropane	6.629	63	807635	7.831	ppbv #	24
41) Tetrahydrofuran	5.192	42	114329	1.115	ppbv #	51
59) m/p-Xylene	12.356	91	10500	0.031	ppbv #	1

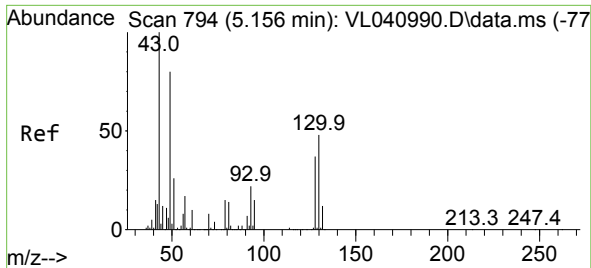
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 08 02:04:13 2024
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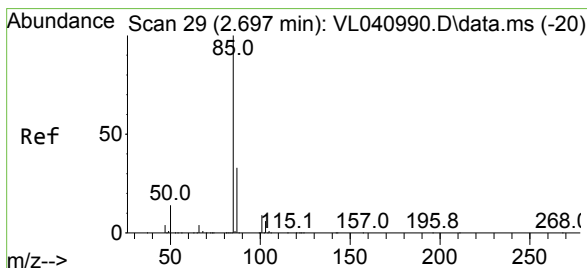
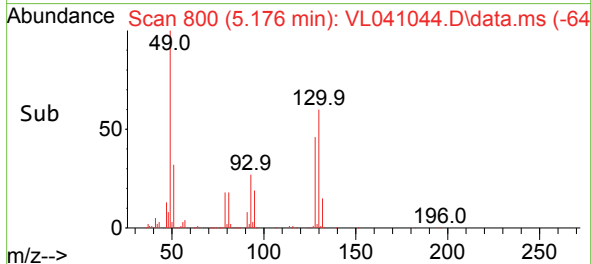
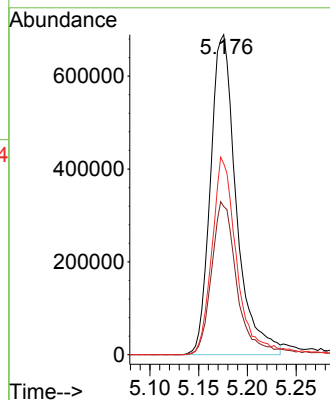
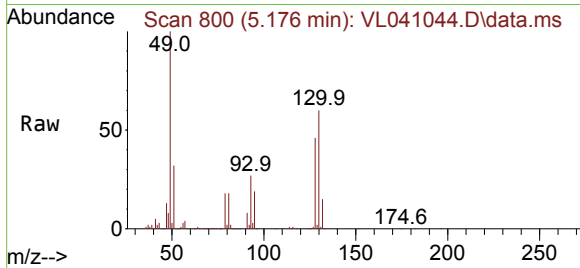




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

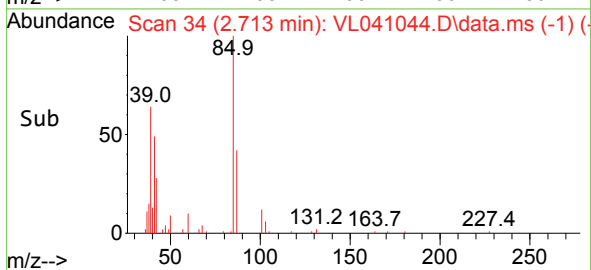
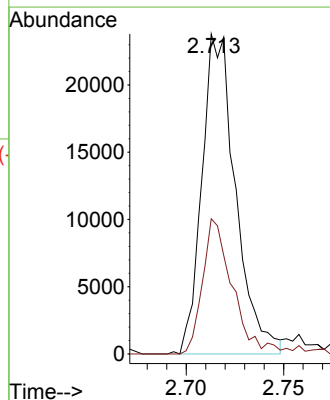
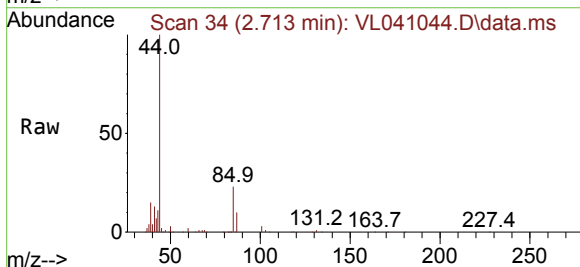
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

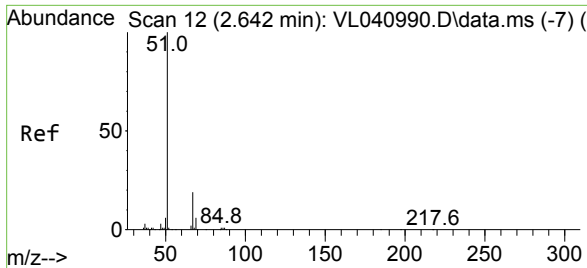
Tgt Ion: 49 Resp: 1269329
Ion Ratio Lower Upper
49 100
128 48.7 23.9 71.7
130 61.2 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.102 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 85 Resp: 28644
Ion Ratio Lower Upper
85 100
87 42.2 26.3 39.5

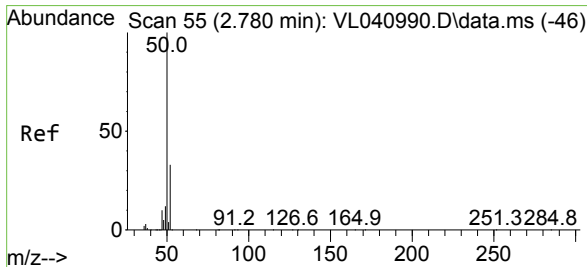
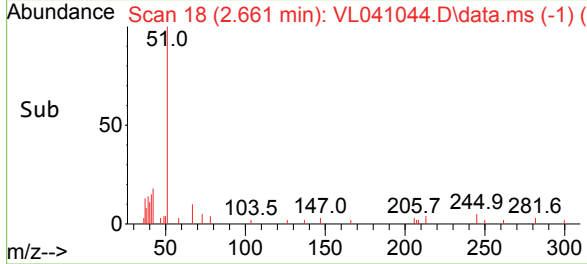
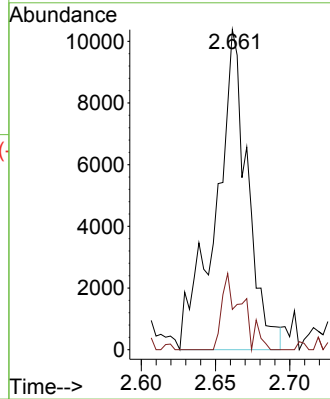
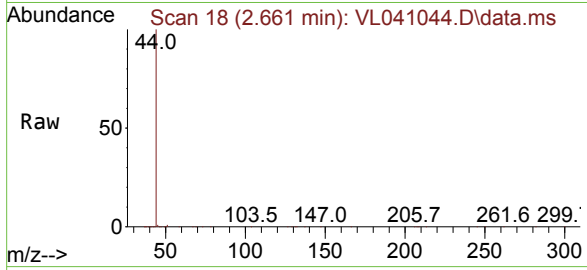




#3
Chlorodifluoromethane
Concen: 0.072 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

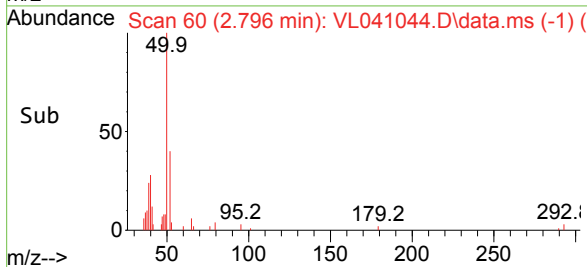
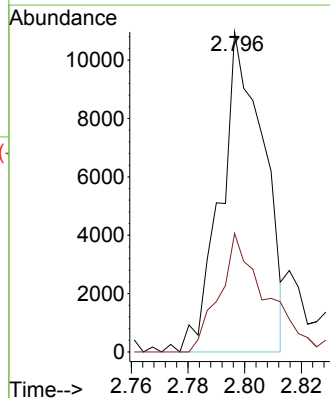
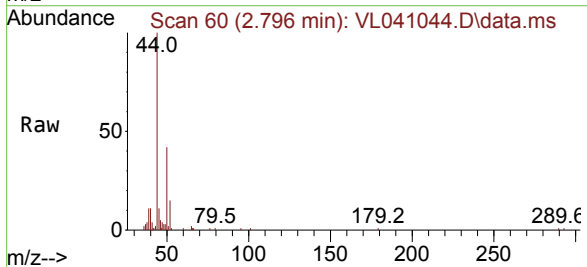
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

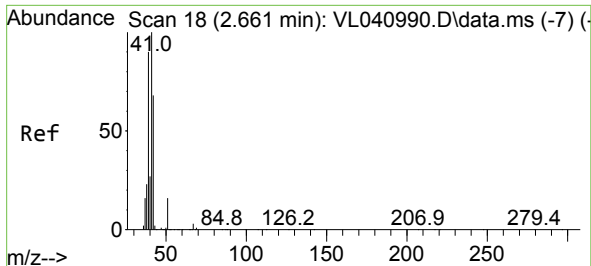
Tgt Ion: 51 Resp: 15363
Ion Ratio Lower Upper
51 100
67 15.4 14.8 22.2



#4
Chloromethane
Concen: 0.143 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.010 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 50 Resp: 11477
Ion Ratio Lower Upper
50 100
52 39.1 26.2 39.4

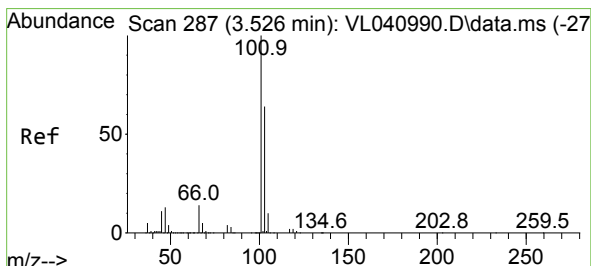
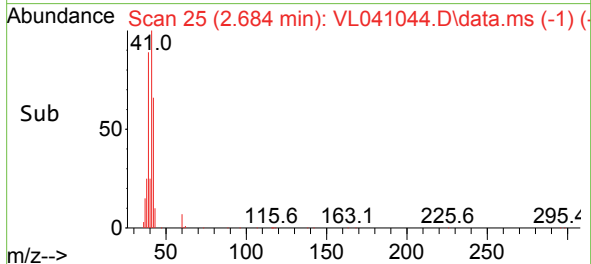
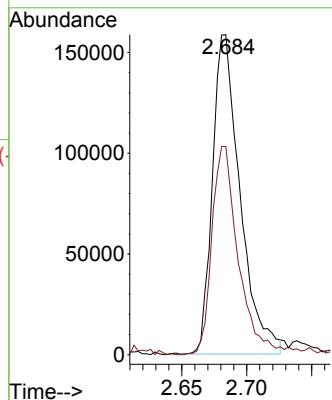
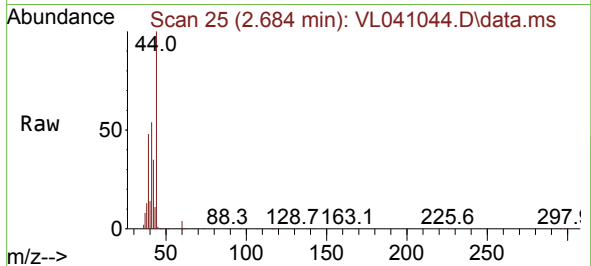




#9
 Propene
 Concen: 3.343 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL041044.D
 Acq: 7 Feb 2024 17:20

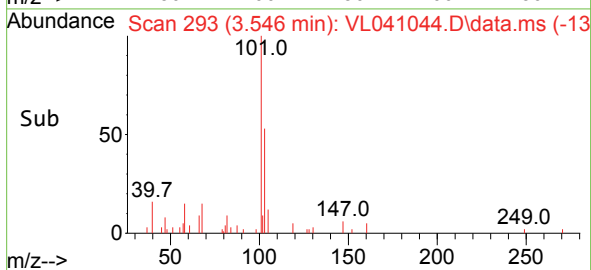
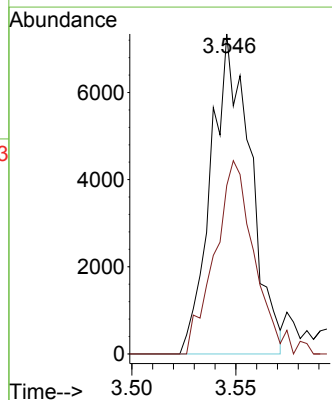
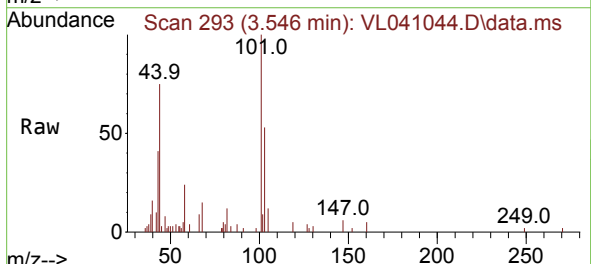
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 ClientSampleId :
 SV-2DL

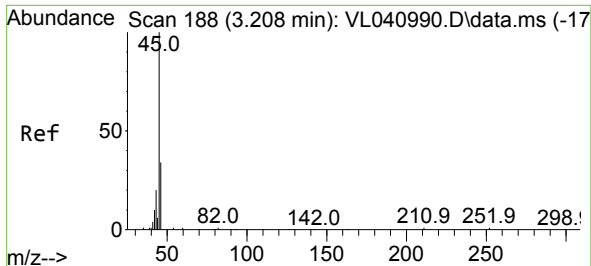
Tgt Ion: 41 Resp: 234121
 Ion Ratio Lower Upper
 41 100
 42 64.6 59.0 88.4



#11
 Trichlorofluoromethane
 Concen: 0.043 ppbv
 RT: 3.546 min Scan# 293
 Delta R.T. 0.013 min
 Lab File: VL041044.D
 Acq: 7 Feb 2024 17:20

Tgt Ion: 101 Resp: 9697
 Ion Ratio Lower Upper
 101 100
 103 52.7 51.4 77.2

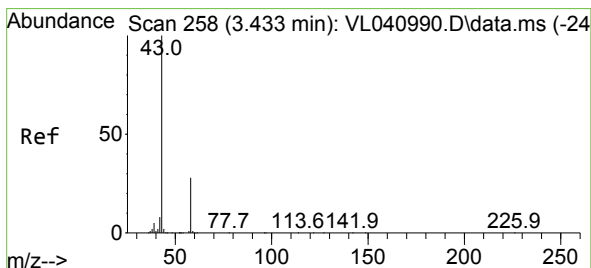
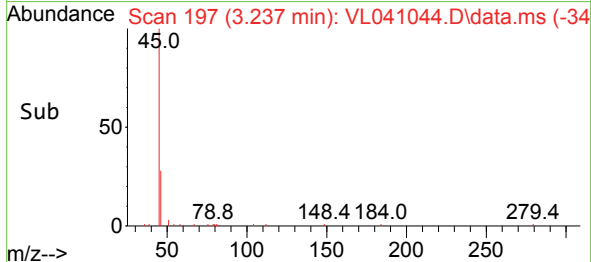
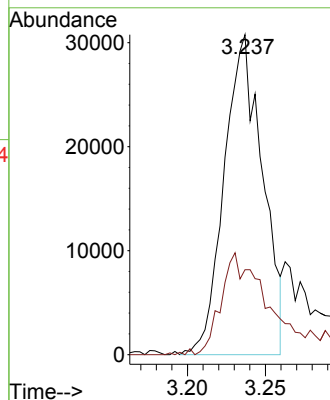
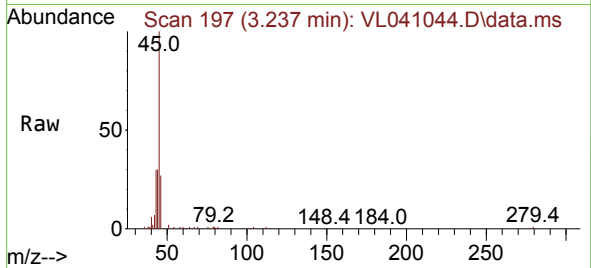




#13
Ethanol
Concen: 3.150 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.023 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

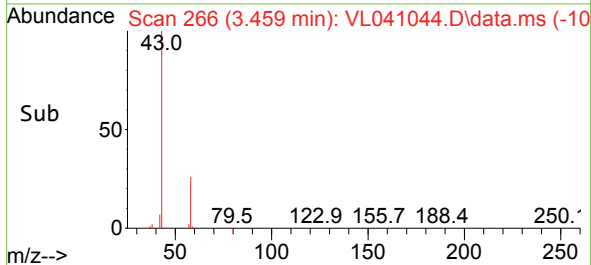
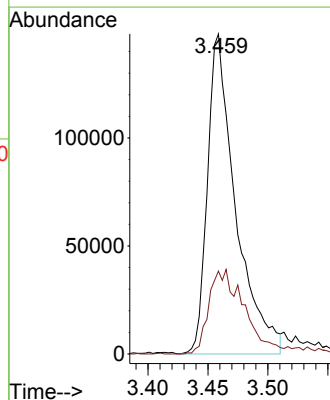
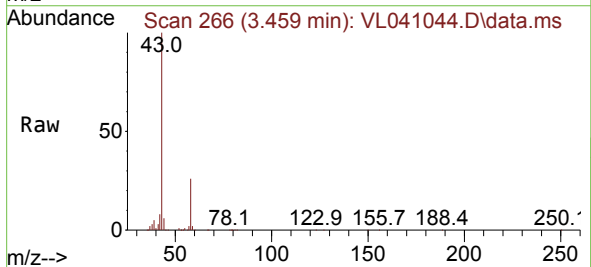
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

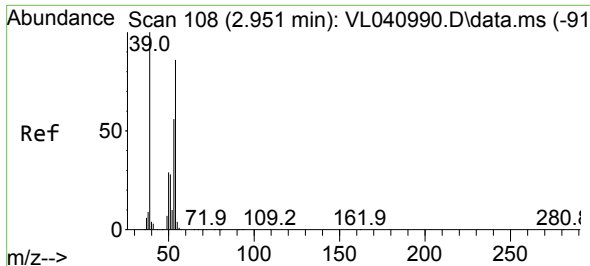
Tgt Ion: 45 Resp: 52579
Ion Ratio Lower Upper
45 100
46 45.1 16.2 64.8



#15
Acetone
Concen: 1.491 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.019 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 43 Resp: 242040
Ion Ratio Lower Upper
43 100
58 35.5 22.2 33.2#

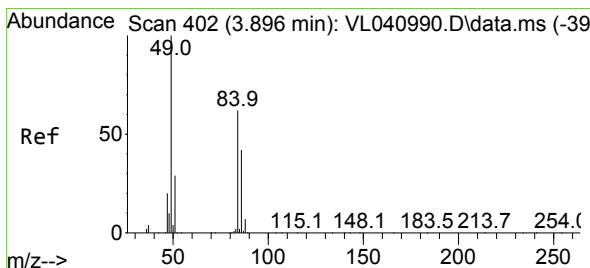
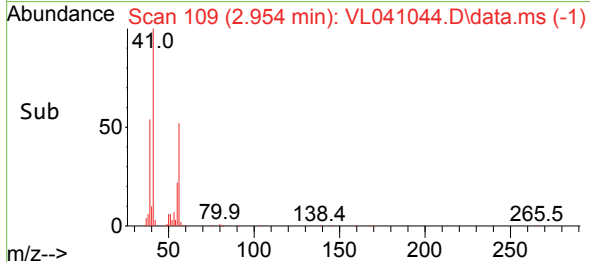
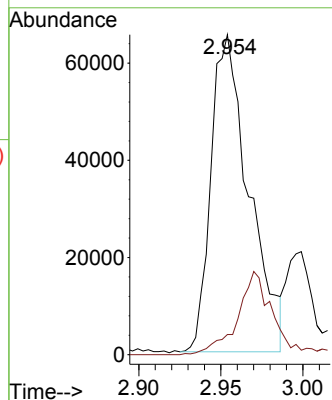
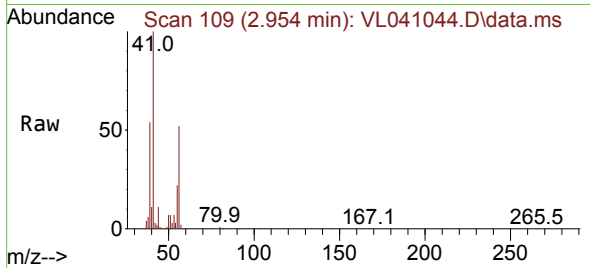




#16
1,3-Butadiene
Concen: 1.351 ppbv
RT: 2.954 min Scan# 108
Delta R.T. -0.003 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

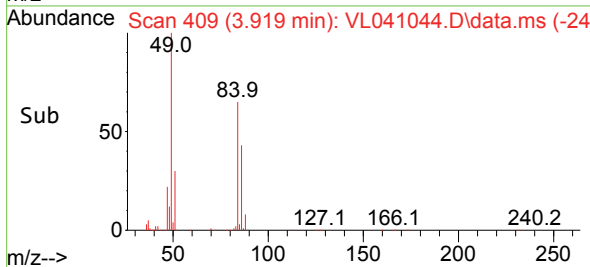
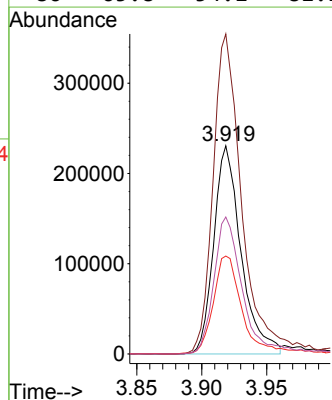
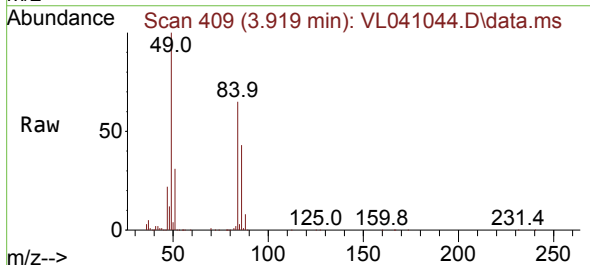
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

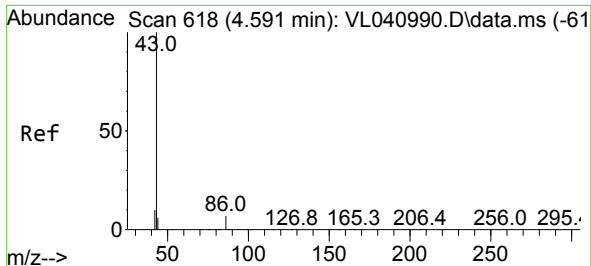
Tgt Ion: 39 Resp: 104938
Ion Ratio Lower Upper
39 100
54 24.5 62.7 94.1#



#20
Methylene Chloride
Concen: 5.389 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.013 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 84 Resp: 336617
Ion Ratio Lower Upper
84 100
49 153.6 128.1 192.1
51 46.6 36.5 54.7
86 65.8 54.1 81.1



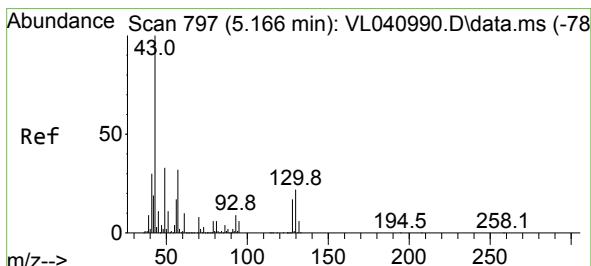
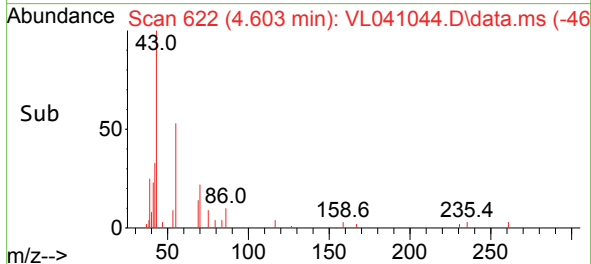
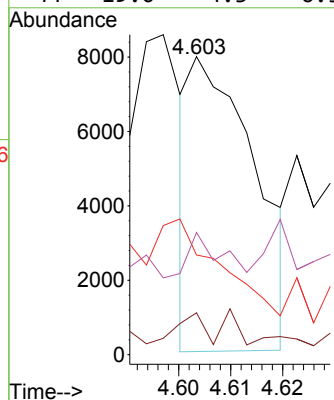
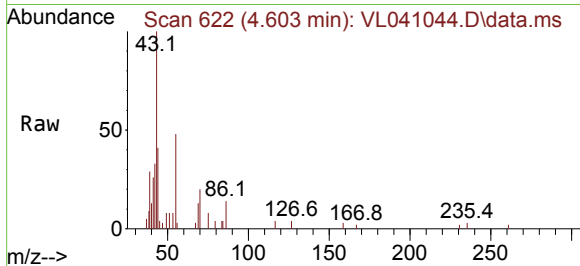


#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 4.603 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL041044.D
 Acq: 7 Feb 2024 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tgt Ion: 43 Resp: 6879

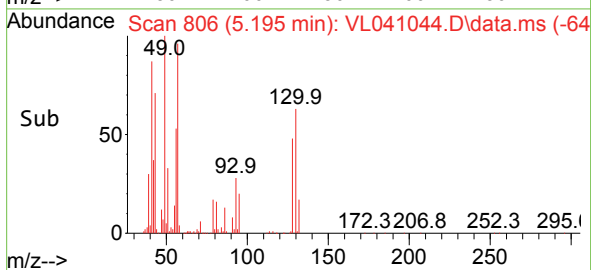
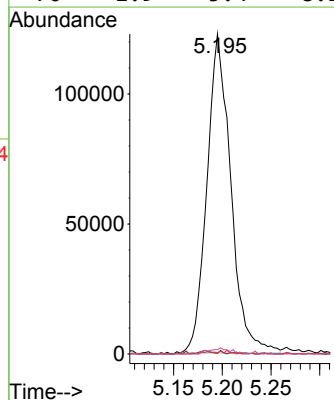
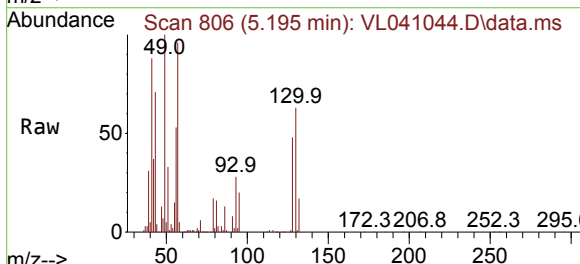
Ion	Ratio	Lower	Upper
43	100		
86	15.8	5.4	8.0#
42	40.3	8.6	13.0#
44	19.0	4.3	6.5#

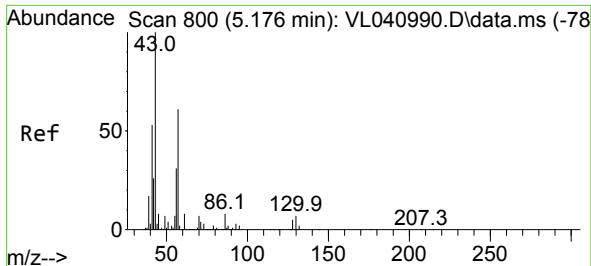


#25
 Ethyl Acetate
 Concen: 0.710 ppbv
 RT: 5.195 min Scan# 806
 Delta R.T. 0.016 min
 Lab File: VL041044.D
 Acq: 7 Feb 2024 17:20

Tgt Ion: 43 Resp: 209090

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.4#
61	0.8	7.9	11.9#
70	1.9	5.4	8.2#

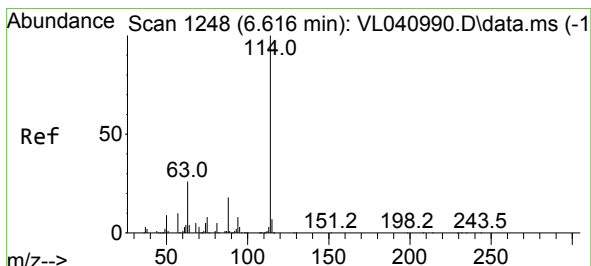
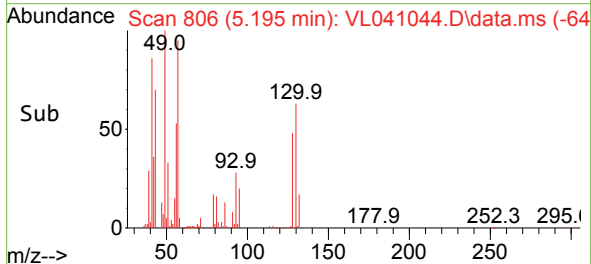
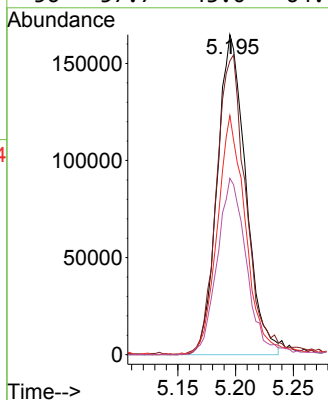
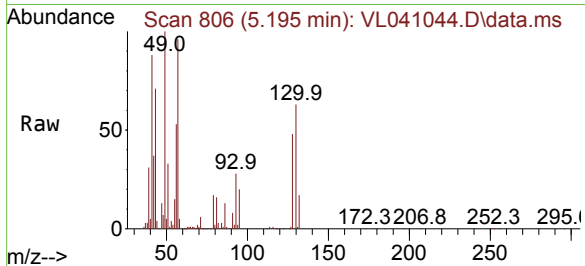




#26
Hexane
Concen: 2.256 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

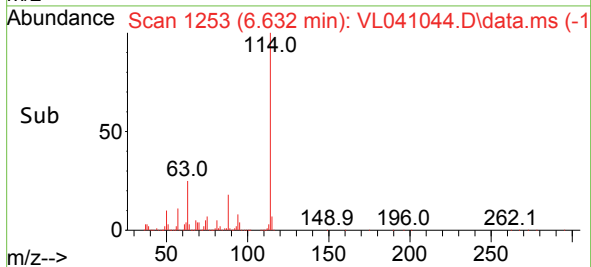
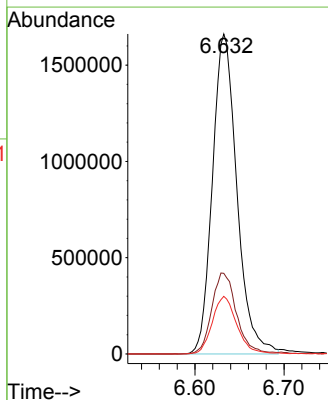
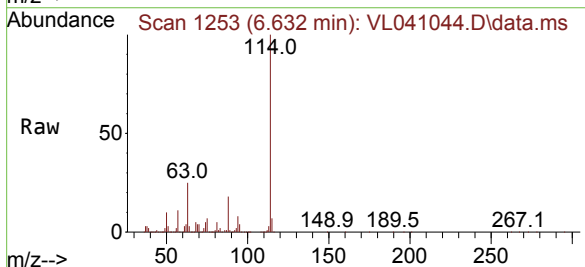
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

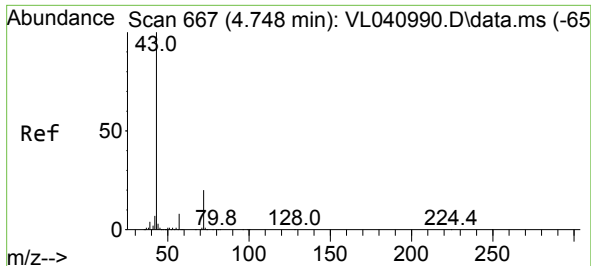
Tgt Ion: 57 Resp: 282987
Ion Ratio Lower Upper
57 100
41 98.5 74.4 111.6
43 75.7 190.6 285.8#
56 57.7 43.0 64.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.007 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion:114 Resp: 3169762
Ion Ratio Lower Upper
114 100
63 26.1 20.8 31.2
88 18.3 14.3 21.5

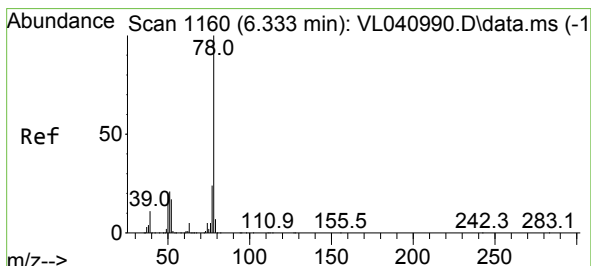
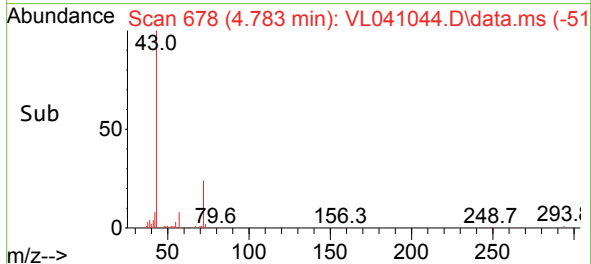
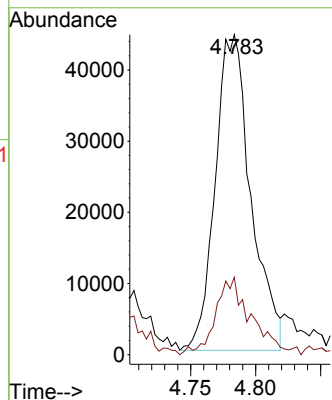
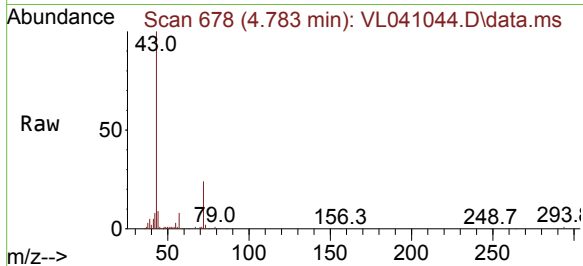




#34
2-Butanone
Concen: 0.561 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

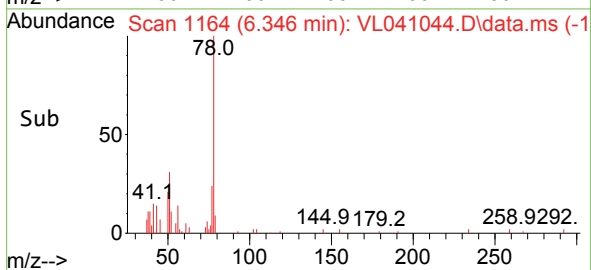
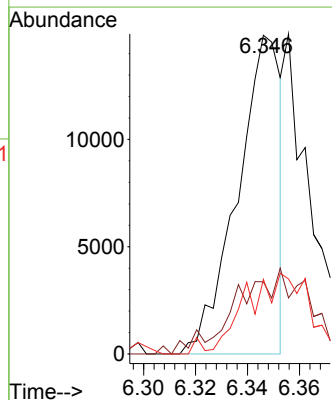
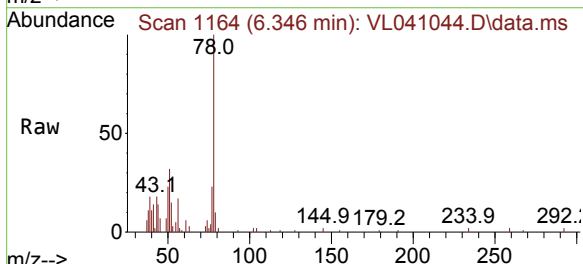
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

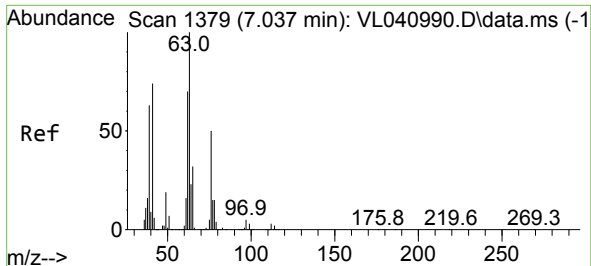
Tgt Ion: 43 Resp: 84792
Ion Ratio Lower Upper
43 100
72 26.2 17.5 26.3



#36
Benzene
Concen: 0.065 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 78 Resp: 17136
Ion Ratio Lower Upper
78 100
77 18.4 19.0 28.4#
50 18.1 15.8 23.6





#39

1,2-Dichloropropane

Concen: 7.831 ppbv

RT: 6.629 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL041044.D

Acq: 7 Feb 2024 17:20

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

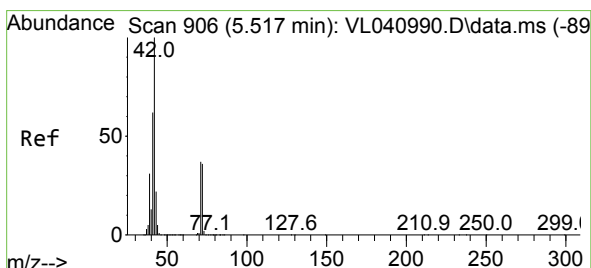
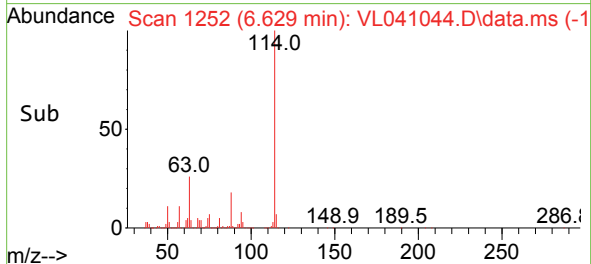
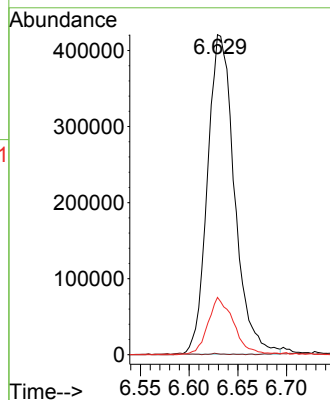
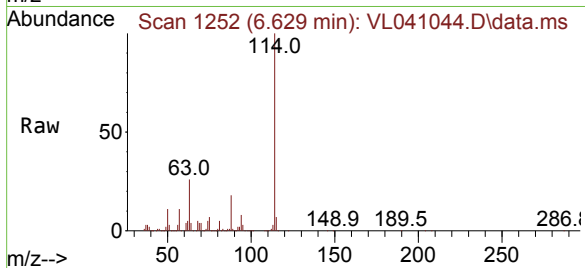
Tgt Ion: 63 Resp: 807635

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.8 55.6 83.4#



#41

Tetrahydrofuran

Concen: 1.115 ppbv

RT: 5.192 min Scan# 805

Delta R.T. -0.337 min

Lab File: VL041044.D

Acq: 7 Feb 2024 17:20

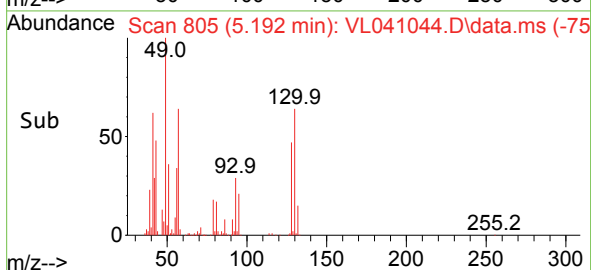
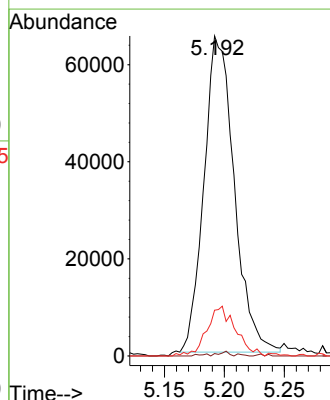
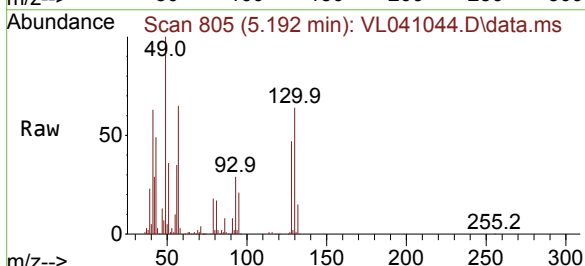
Tgt Ion: 42 Resp: 114329

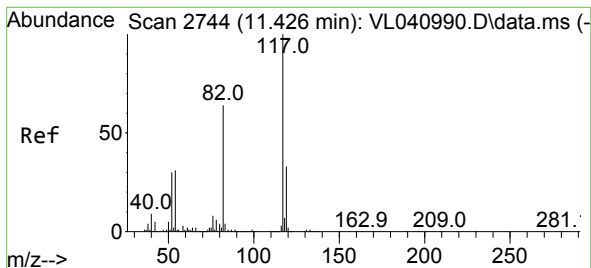
Ion Ratio Lower Upper

42 100

72 0.8 30.0 45.0#

71 15.2 29.5 44.3#

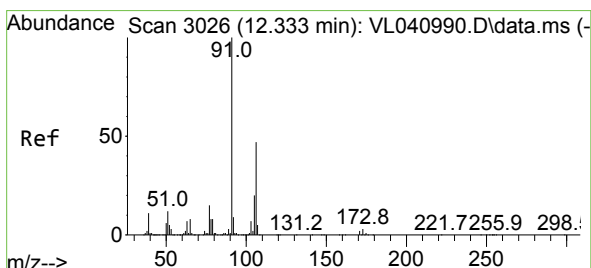
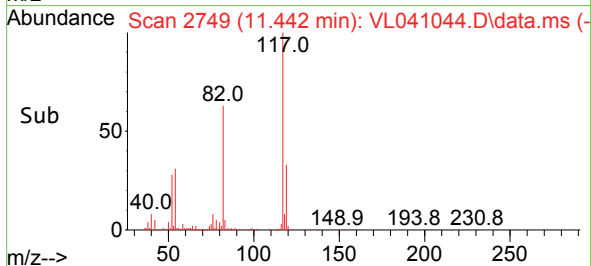
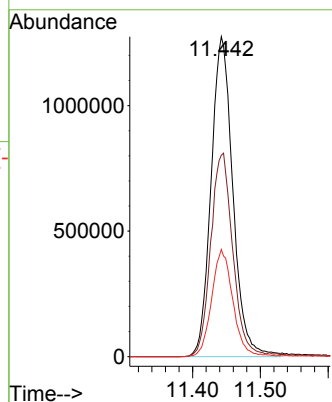
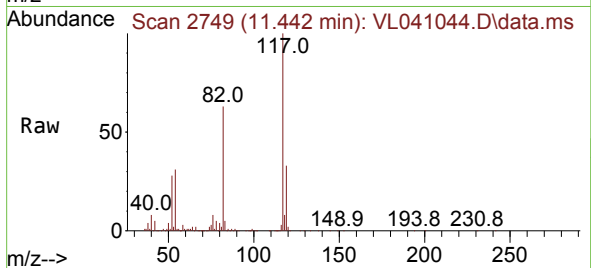




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

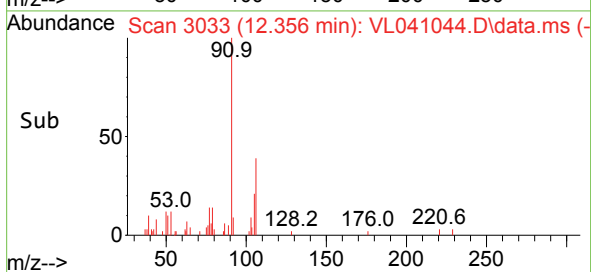
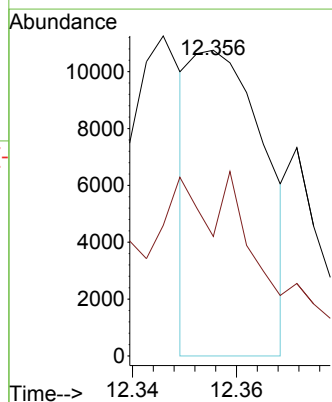
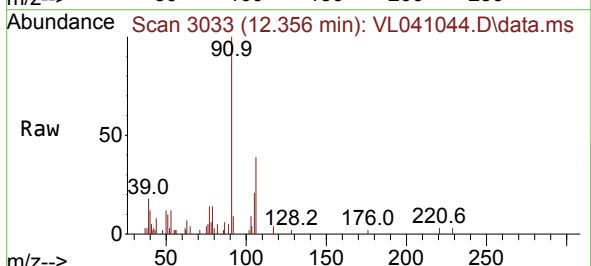
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

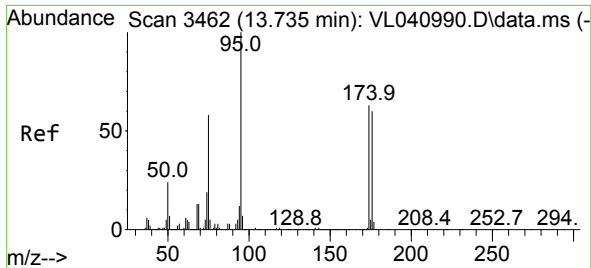
Tgt Ion:117 Resp: 2851619
Ion Ratio Lower Upper
117 100
82 65.7 51.7 77.5
119 33.0 23.8 35.6



#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 12.356 min Scan# 3033
Delta R.T. 0.007 min
Lab File: VL041044.D
Acq: 7 Feb 2024 17:20

Tgt Ion: 91 Resp: 10500
Ion Ratio Lower Upper
91 100
106 134.5 34.9 52.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.265 ppbv

RT: 13.754 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL041044.D

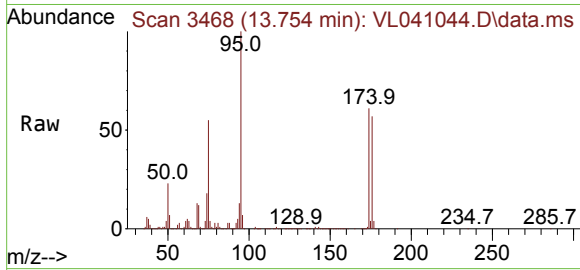
Acq: 7 Feb 2024 17:20

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL



Tgt Ion: 95 Resp: 2210898

Ion Ratio Lower Upper

95 100

174 62.0 49.1 73.7

175 4.6 3.7 5.5

