

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041043.D
 Acq On : 7 Feb 2024 16:40
 Operator : SY/MD
 Sample : P1392-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Feb 08 02:45:35 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)

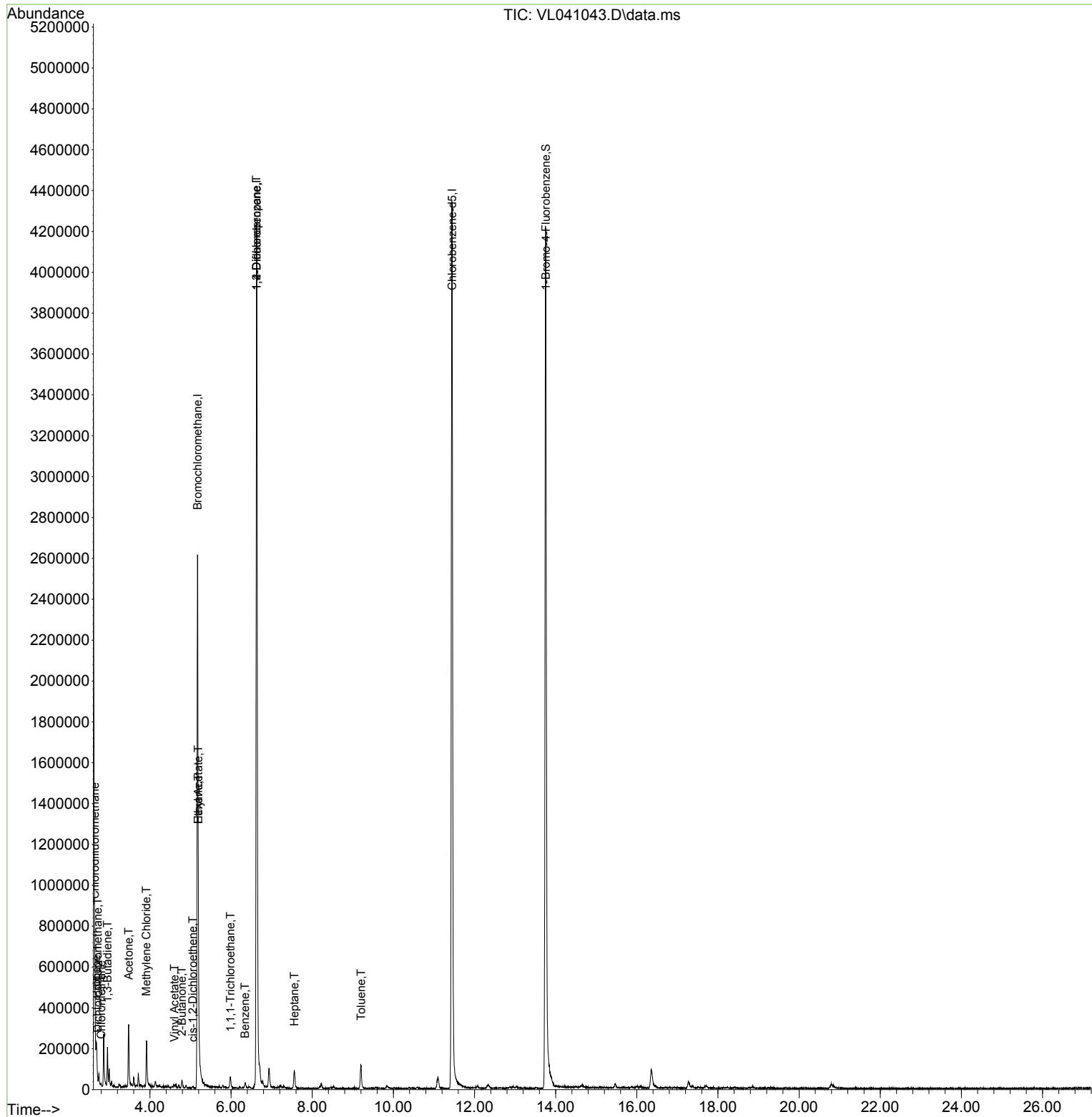
Internal Standards						
1) Bromochloromethane	5.173	49	1243183	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3256946	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2850661	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2190216	10.172	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	5877	0.021	ppbv	100
3) Chlorodifluoromethane	2.639	51	23867	0.114	ppbv #	67
4) Chloromethane	2.800	50	4912	0.063	ppbv #	72
9) Propene	2.681	41	53935	0.786	ppbv	94
10) Heptane	7.558	43	20434	0.121	ppbv #	48
15) Acetone	3.475	43	151663	0.954	ppbv	96
16) 1,3-Butadiene	2.954	39	50542	0.665	ppbv #	24
20) Methylene Chloride	3.915	84	72782	1.190	ppbv	94
23) Vinyl Acetate	4.607	43	4646	0.028	ppbv #	91
25) Ethyl Acetate	5.192	43	54321	0.188	ppbv #	83
26) Hexane	5.192	57	43634	0.355	ppbv #	29
31) cis-1,2-Dichloroethene	5.060	61	2924	0.025	ppbv #	66
32) 1,1,1-Trichloroethane	5.983	97	23450	0.113	ppbv #	75
34) 2-Butanone	4.790	43	46682	0.301	ppbv	92
36) Benzene	6.346	78	9667	0.036	ppbv #	78
39) 1,2-Dichloropropane	6.629	63	815426	7.695	ppbv #	24
53) Toluene	9.205	91	35623	0.121	ppbv #	20

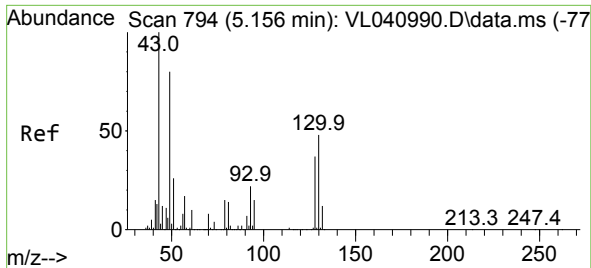
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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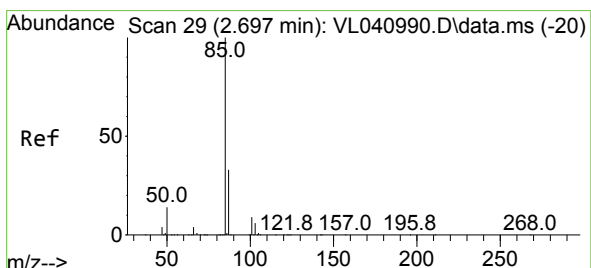
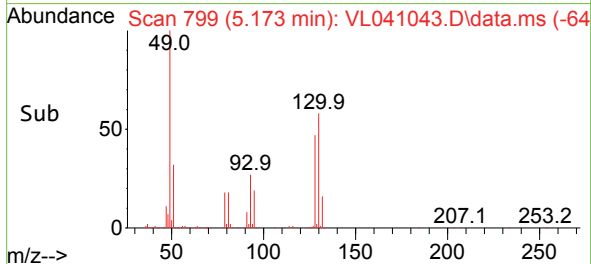
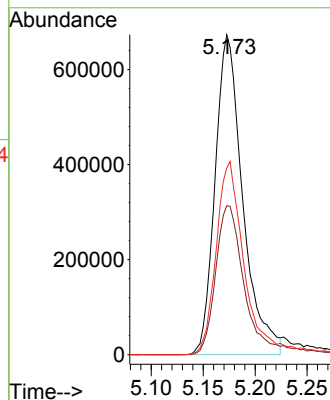
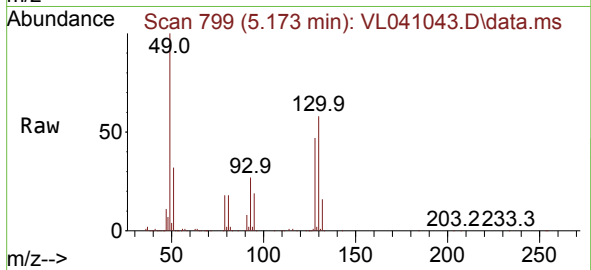




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.173 min Scan# 794
 Delta R.T. 0.007 min
 Lab File: VL041043.D
 Acq: 7 Feb 2024 16:40

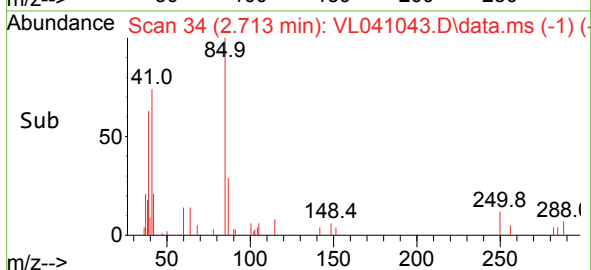
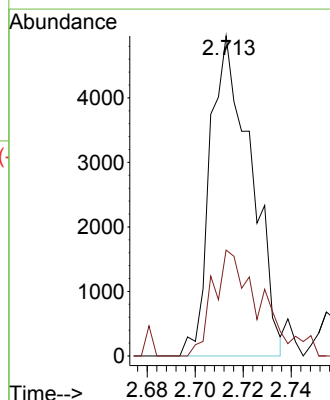
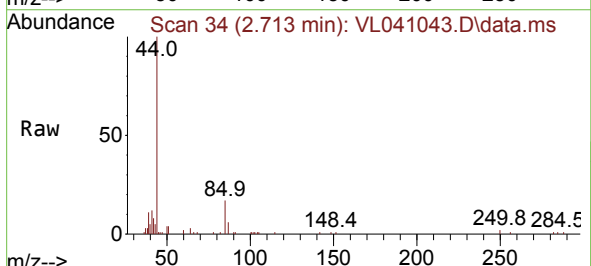
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

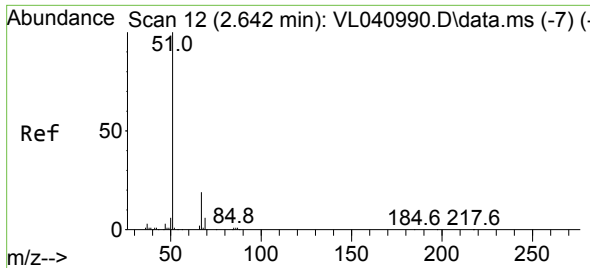
Tgt Ion: 49 Resp: 1243183
 Ion Ratio Lower Upper
 49 100
 128 50.7 23.9 71.7
 130 64.2 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.021 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL041043.D
 Acq: 7 Feb 2024 16:40

Tgt Ion: 85 Resp: 5877
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.3 39.5

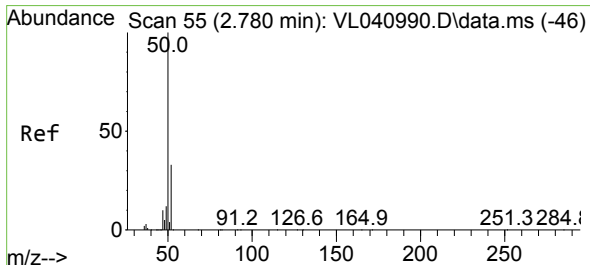
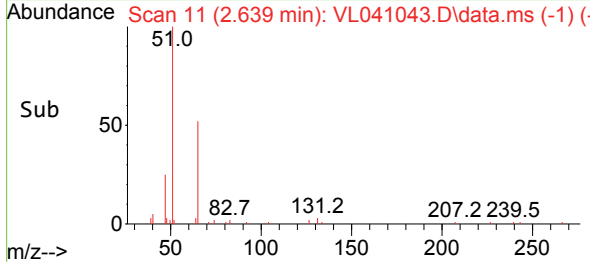
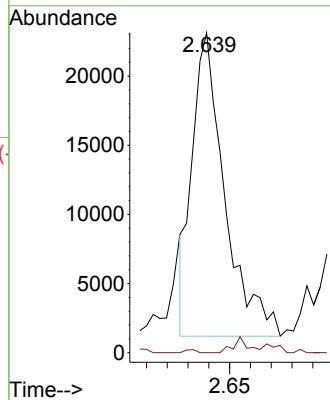
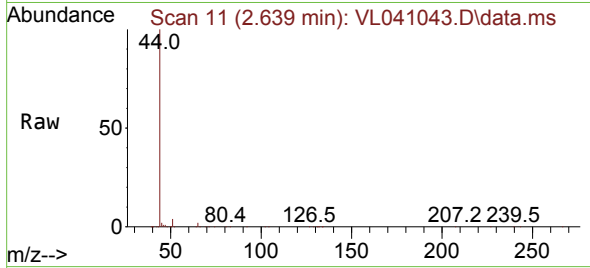




#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.639 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

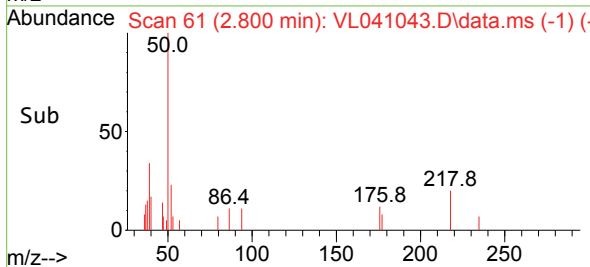
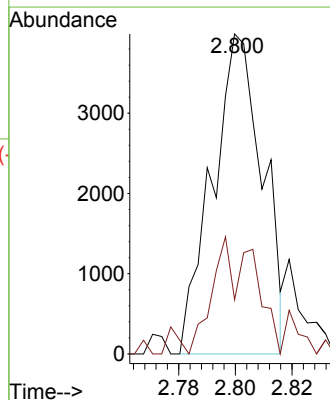
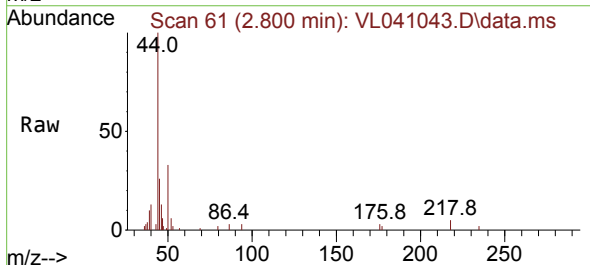
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

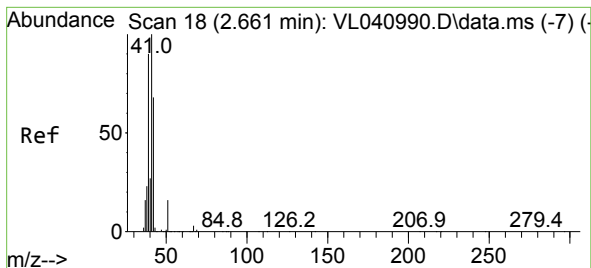
Tgt Ion: 51 Resp: 23867
Ion Ratio Lower Upper
51 100
67 3.7 14.8 22.2#



#4
Chloromethane
Concen: 0.063 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Tgt Ion: 50 Resp: 4912
Ion Ratio Lower Upper
50 100
52 17.0 26.2 39.4#





#9

Propene

Concen: 0.786 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.013 min

Lab File: VL041043.D

Acq: 7 Feb 2024 16:40

Instrument :

MSVOA_L

ClientSampleId :

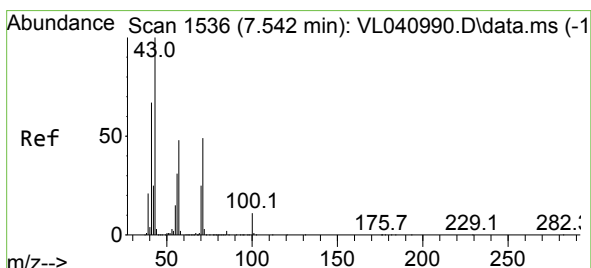
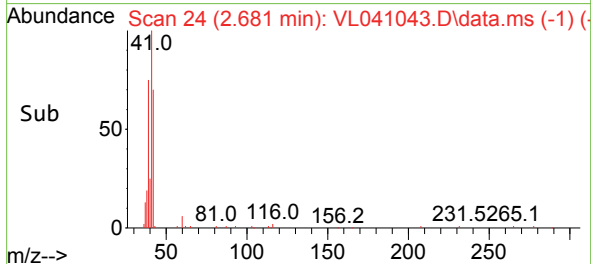
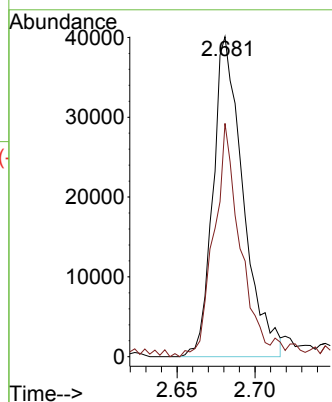
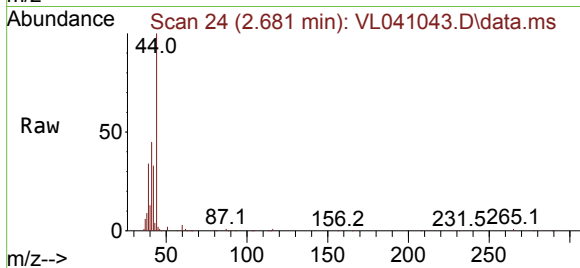
SV-1DL

Tgt Ion: 41 Resp: 53935

Ion Ratio Lower Upper

41 100

42 68.4 59.0 88.4



#10

Heptane

Concen: 0.121 ppbv

RT: 7.558 min Scan# 1541

Delta R.T. 0.007 min

Lab File: VL041043.D

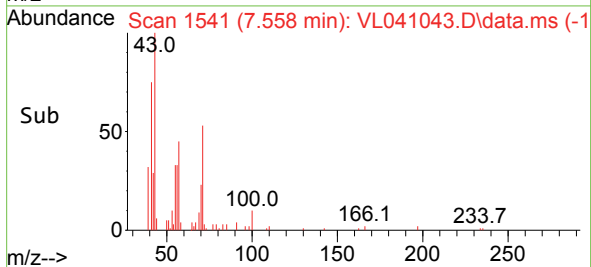
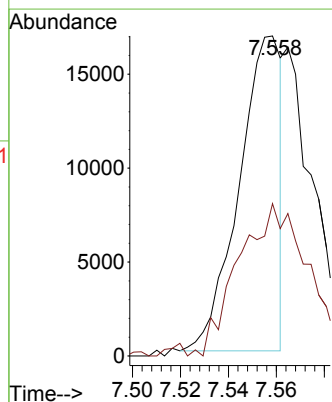
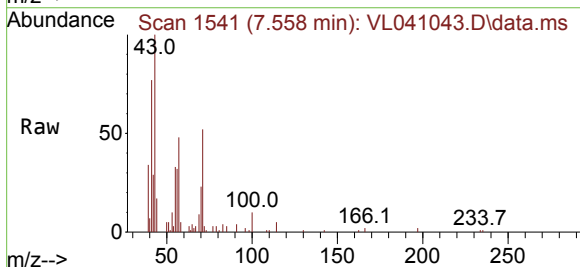
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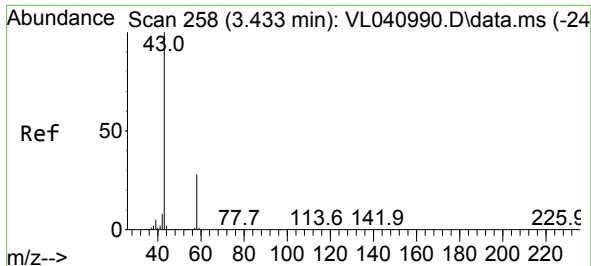
Tgt Ion: 43 Resp: 20434

Ion Ratio Lower Upper

43 100

57 84.9 39.4 59.2#





#15

Acetone

Concen: 0.954 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.036 min

Lab File: VL041043.D

Acq: 7 Feb 2024 16:40

Instrument :

MSVOA_L

ClientSampleId :

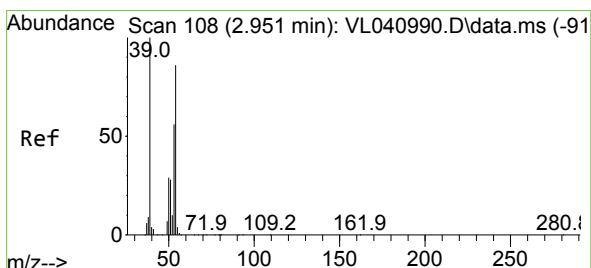
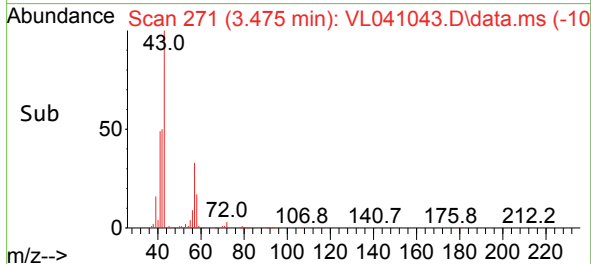
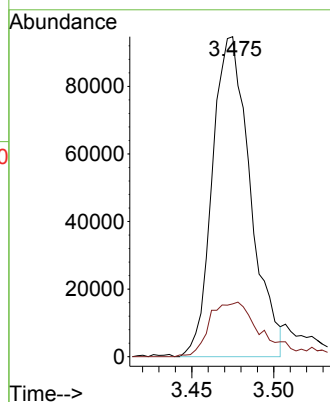
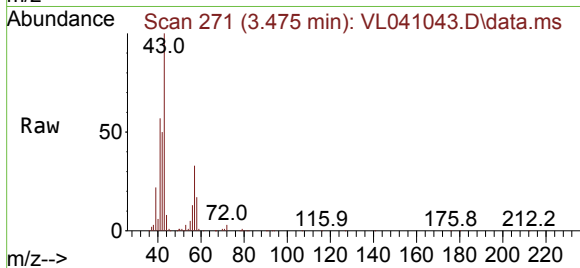
SV-1DL

Tgt Ion: 43 Resp: 151663

Ion Ratio Lower Upper

43 100

58 25.6 22.2 33.2



#16

1,3-Butadiene

Concen: 0.665 ppbv

RT: 2.954 min Scan# 109

Delta R.T. -0.003 min

Lab File: VL041043.D

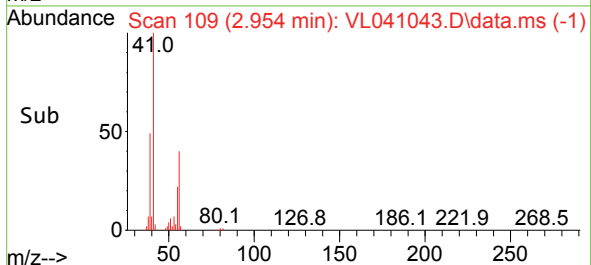
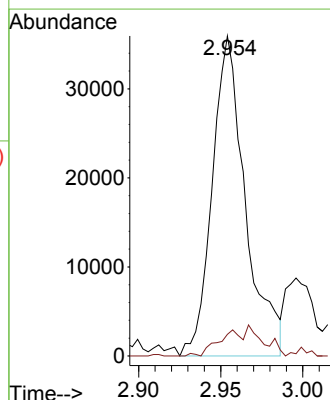
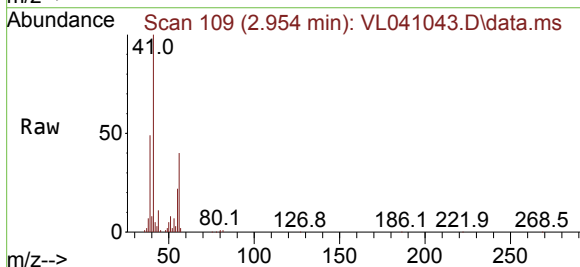
Acq: 7 Feb 2024 16:40

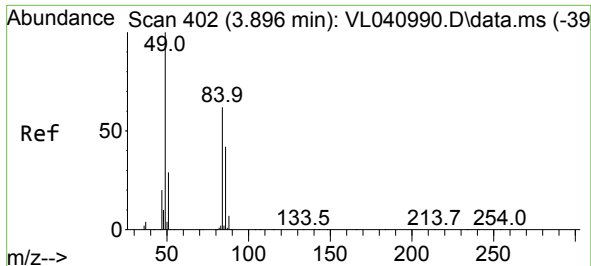
Tgt Ion: 39 Resp: 50542

Ion Ratio Lower Upper

39 100

54 11.9 62.7 94.1#



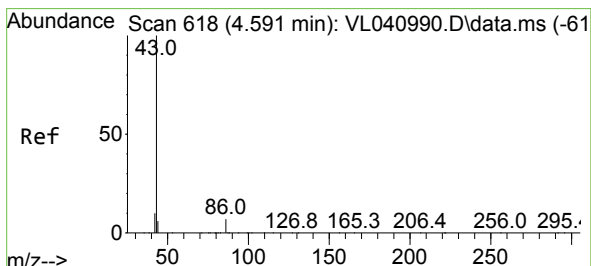
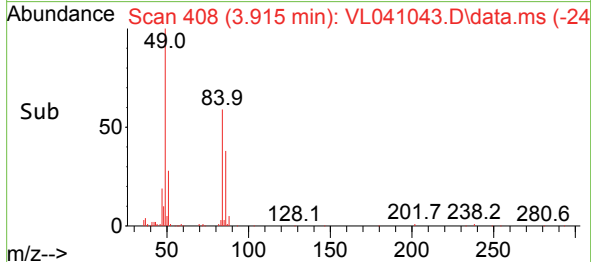
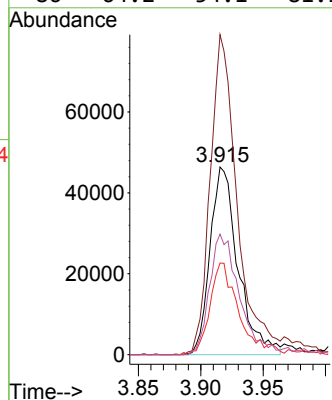
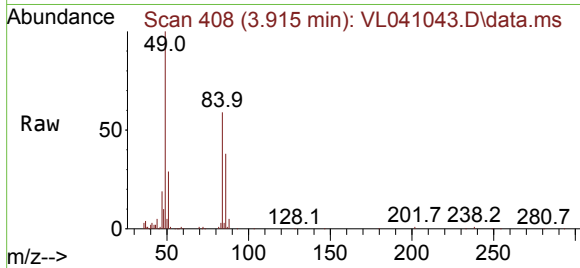


#20
Methylene Chloride
Concen: 1.190 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 84 Resp: 72782

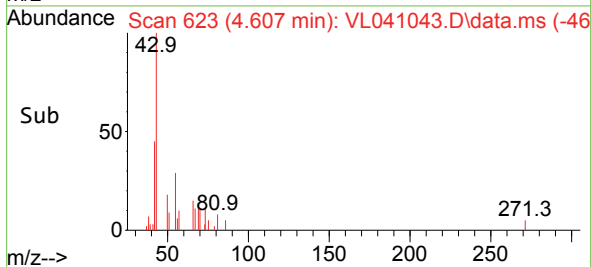
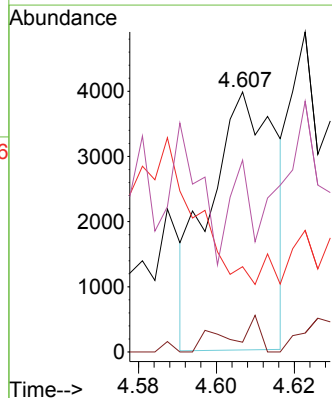
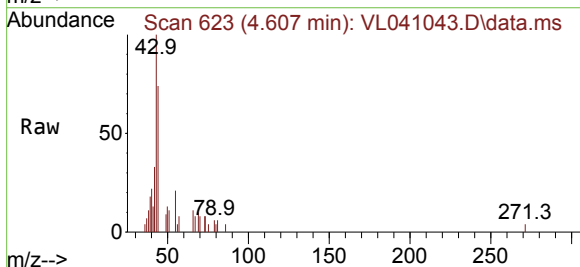
Ion	Ratio	Lower	Upper
84	100		
49	170.4	128.1	192.1
51	48.8	36.5	54.7
86	64.2	54.1	81.1

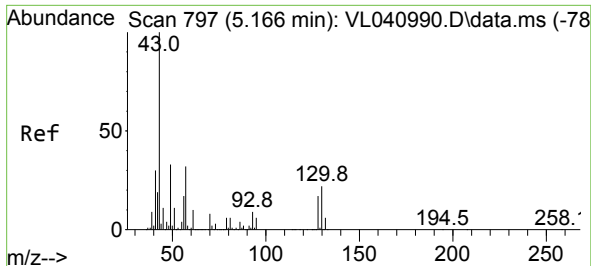


#23
Vinyl Acetate
Concen: 0.028 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.007 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Tgt Ion: 43 Resp: 4646

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.4	8.0
42	11.5	8.6	13.0
44	16.6	4.3	6.5

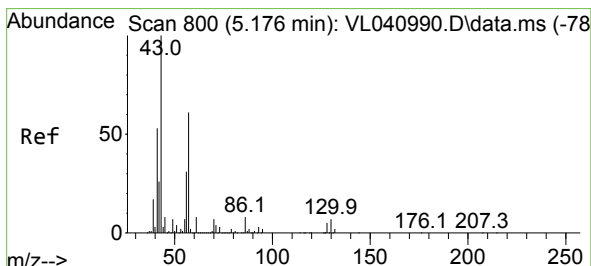
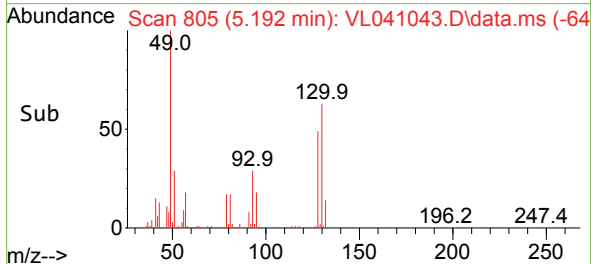
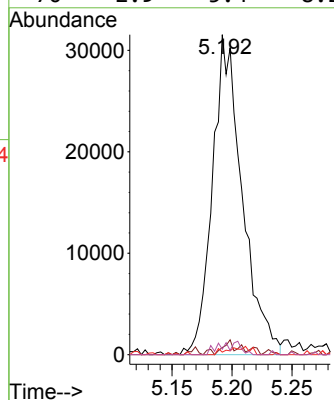
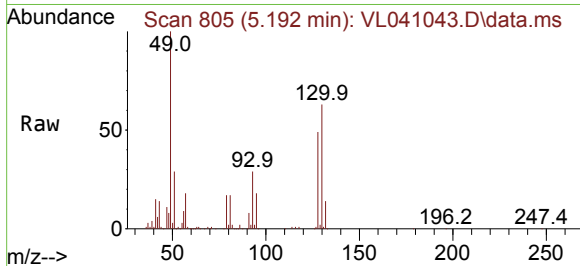




#25
Ethyl Acetate
Concen: 0.188 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.013 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

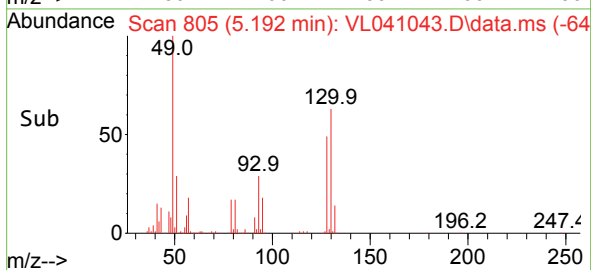
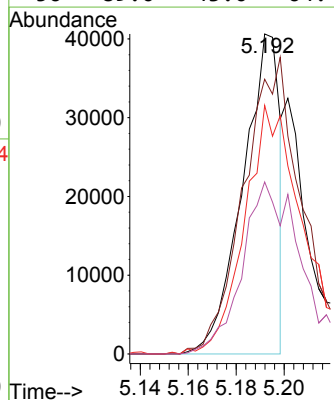
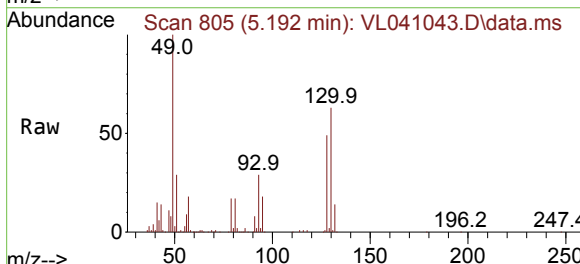
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

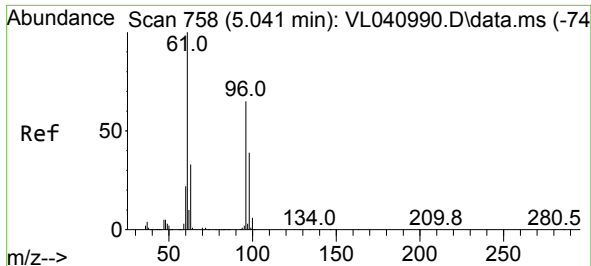
Tgt Ion: 43 Resp: 54321
Ion Ratio Lower Upper
43 100
45 4.0 8.2 12.4#
61 1.9 7.9 11.9#
70 2.9 5.4 8.2#



#26
Hexane
Concen: 0.355 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.007 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Tgt Ion: 57 Resp: 43634
Ion Ratio Lower Upper
57 100
41 0.0 74.4 111.6#
43 127.3 190.6 285.8#
56 89.0 43.0 64.4#

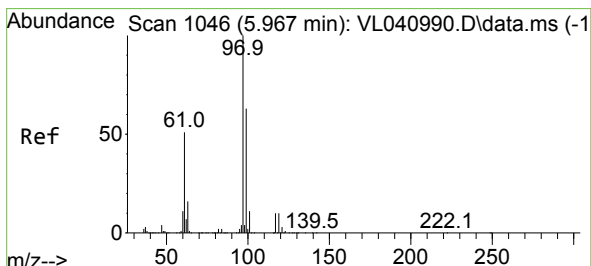
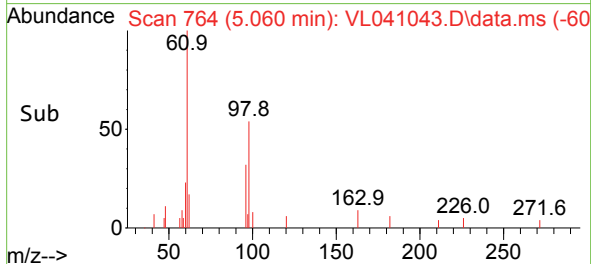
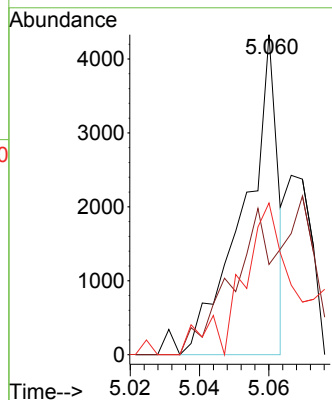
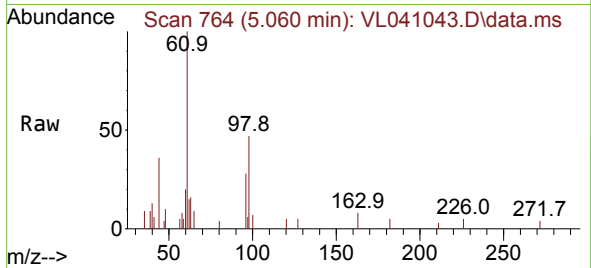




#31
 cis-1,2-Dichloroethene
 Concen: 0.025 ppbv
 RT: 5.060 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL041043.D
 Acq: 7 Feb 2024 16:40

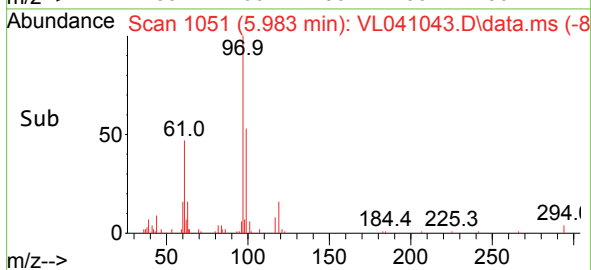
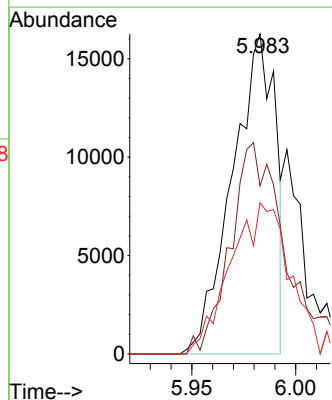
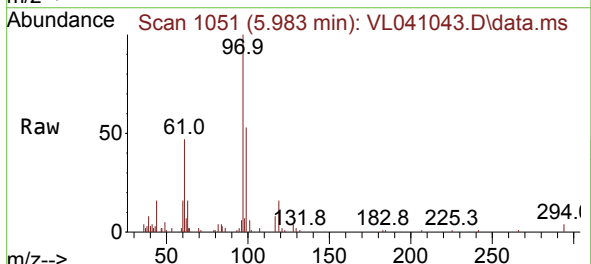
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

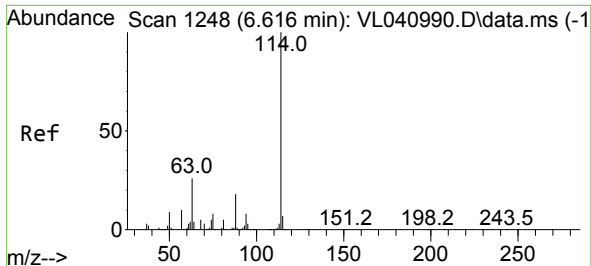
Tgt Ion: 61 Resp: 2924
 Ion Ratio Lower Upper
 61 100
 96 28.2 51.9 77.9#
 98 47.4 31.5 47.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.113 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. 0.007 min
 Lab File: VL041043.D
 Acq: 7 Feb 2024 16:40

Tgt Ion: 97 Resp: 23450
 Ion Ratio Lower Upper
 97 100
 99 84.6 51.5 77.3#
 61 66.4 40.3 60.5#

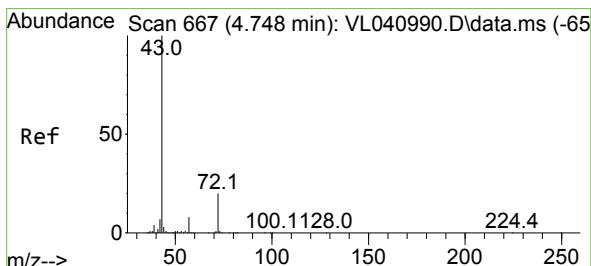
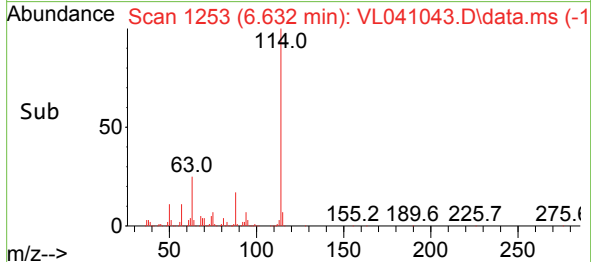
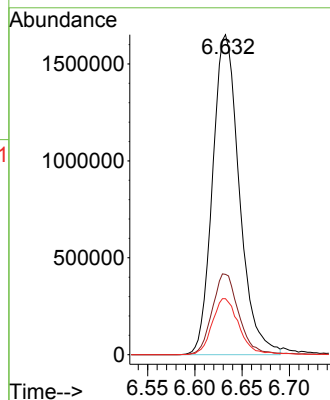
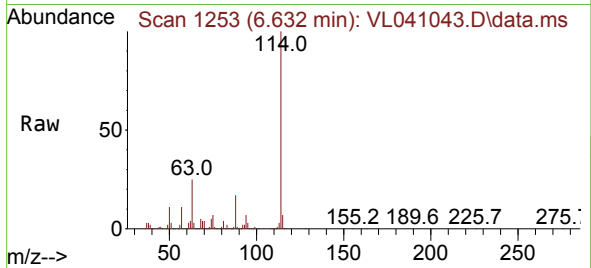




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

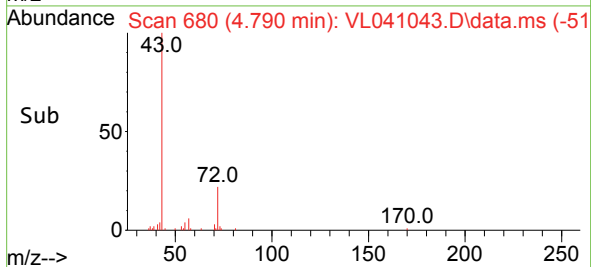
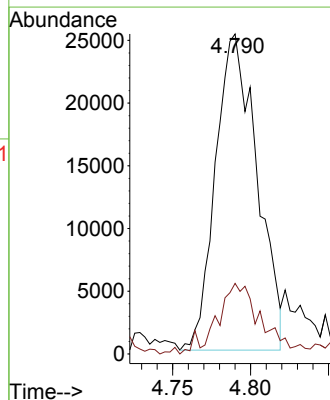
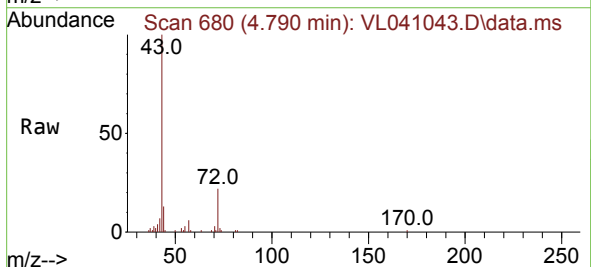
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

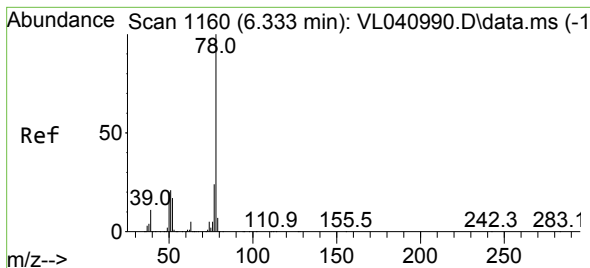
Tgt Ion:114 Resp: 3256946
Ion Ratio Lower Upper
114 100
63 25.5 20.8 31.2
88 17.7 14.3 21.5



#34
2-Butanone
Concen: 0.301 ppbv
RT: 4.790 min Scan# 680
Delta R.T. 0.032 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Tgt Ion: 43 Resp: 46682
Ion Ratio Lower Upper
43 100
72 25.9 17.5 26.3





#36

Benzene

Concen: 0.036 ppbv

RT: 6.346 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL041043.D

Acq: 7 Feb 2024 16:40

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

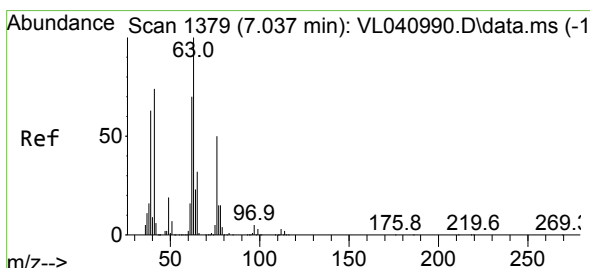
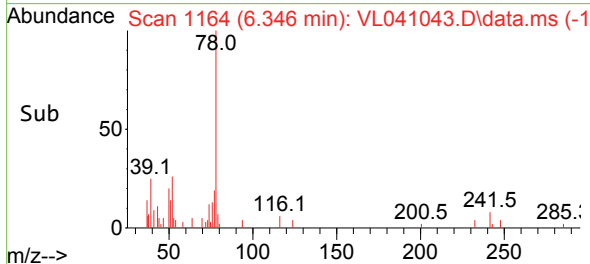
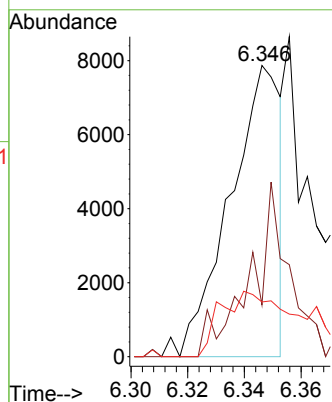
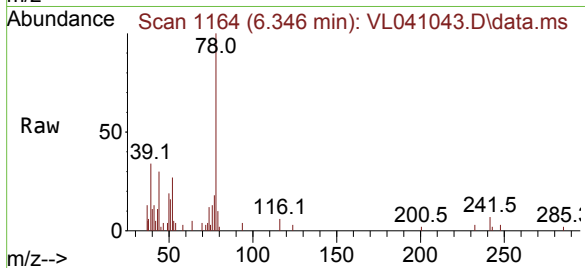
Tgt Ion: 78 Resp: 9667

Ion Ratio Lower Upper

78 100

77 17.8 19.0 28.4#

50 35.0 15.8 23.6#



#39

1,2-Dichloropropane

Concen: 7.695 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.418 min

Lab File: VL041043.D

Acq: 7 Feb 2024 16:40

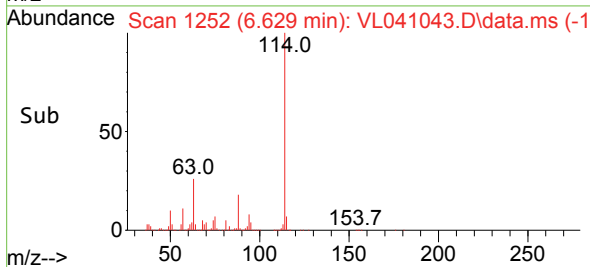
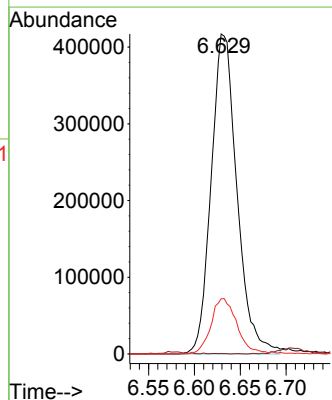
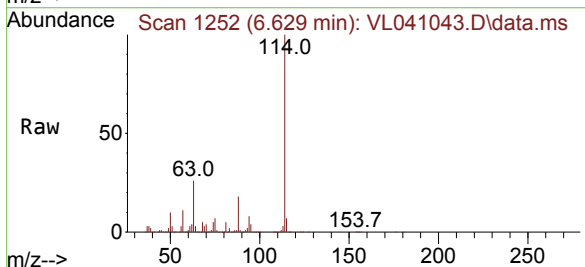
Tgt Ion: 63 Resp: 815426

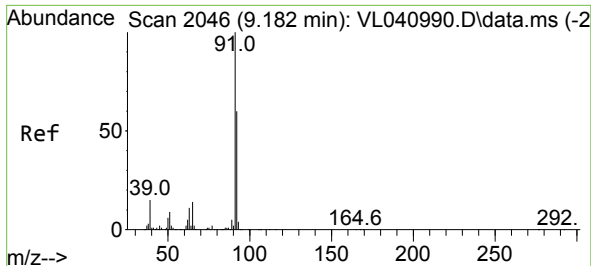
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.3 55.6 83.4#

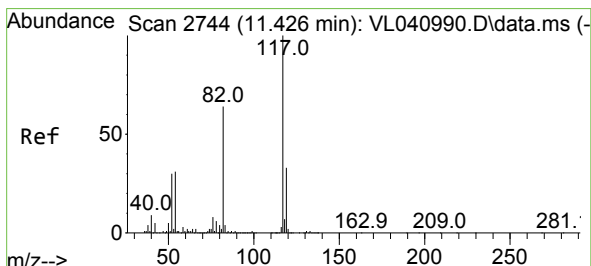
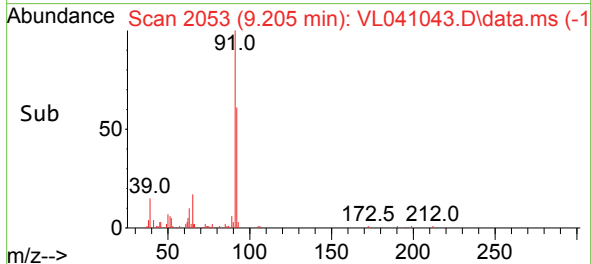
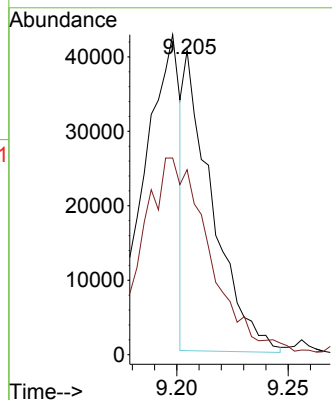
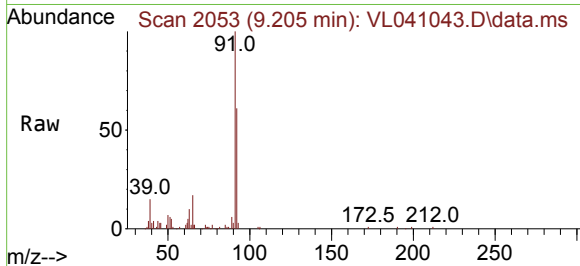




#53
Toluene
Concen: 0.121 ppbv
RT: 9.205 min Scan# 2046
Delta R.T. 0.010 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

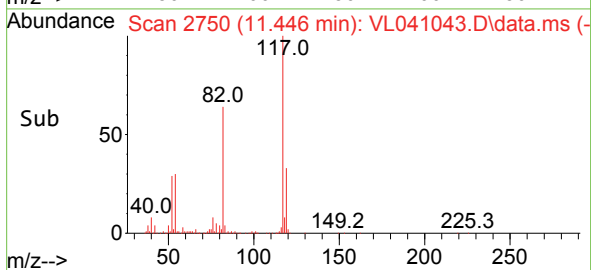
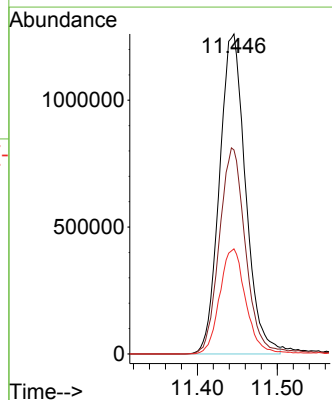
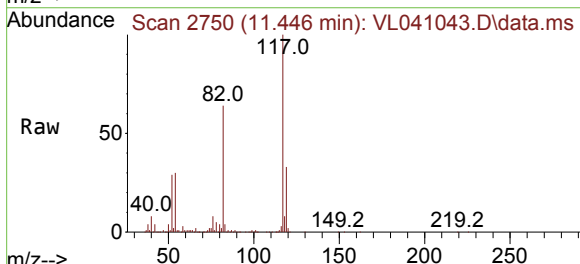
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

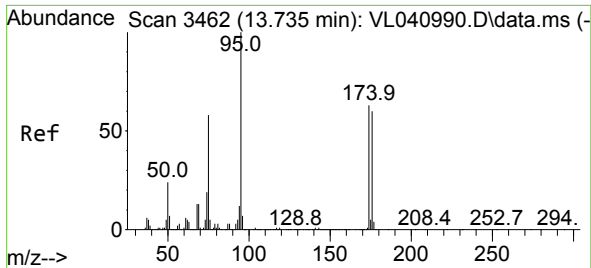
Tgt Ion: 91 Resp: 35623
Ion Ratio Lower Upper
91 100
92 0.0 48.6 72.8#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. 0.007 min
Lab File: VL041043.D
Acq: 7 Feb 2024 16:40

Tgt Ion: 117 Resp: 2850661
Ion Ratio Lower Upper
117 100
82 66.3 51.7 77.5
119 33.3 23.8 35.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.172 ppbv

RT: 13.757 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL041043.D

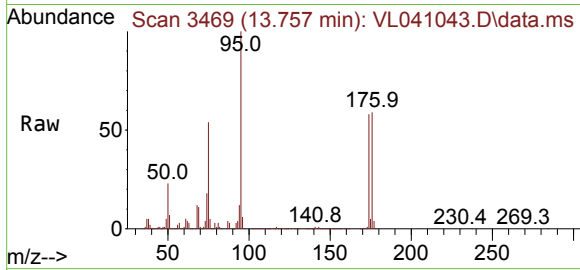
Acq: 7 Feb 2024 16:40

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL



Tgt Ion: 95 Resp: 2190216

Ion Ratio Lower Upper

95 100

174 62.5 49.1 73.7

175 4.6 3.7 5.5

