

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041061.D
 Acq On : 9 Feb 2024 17:03
 Operator : SY/MD
 Sample : P1420-06DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Feb 12 00:48:43 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 : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

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

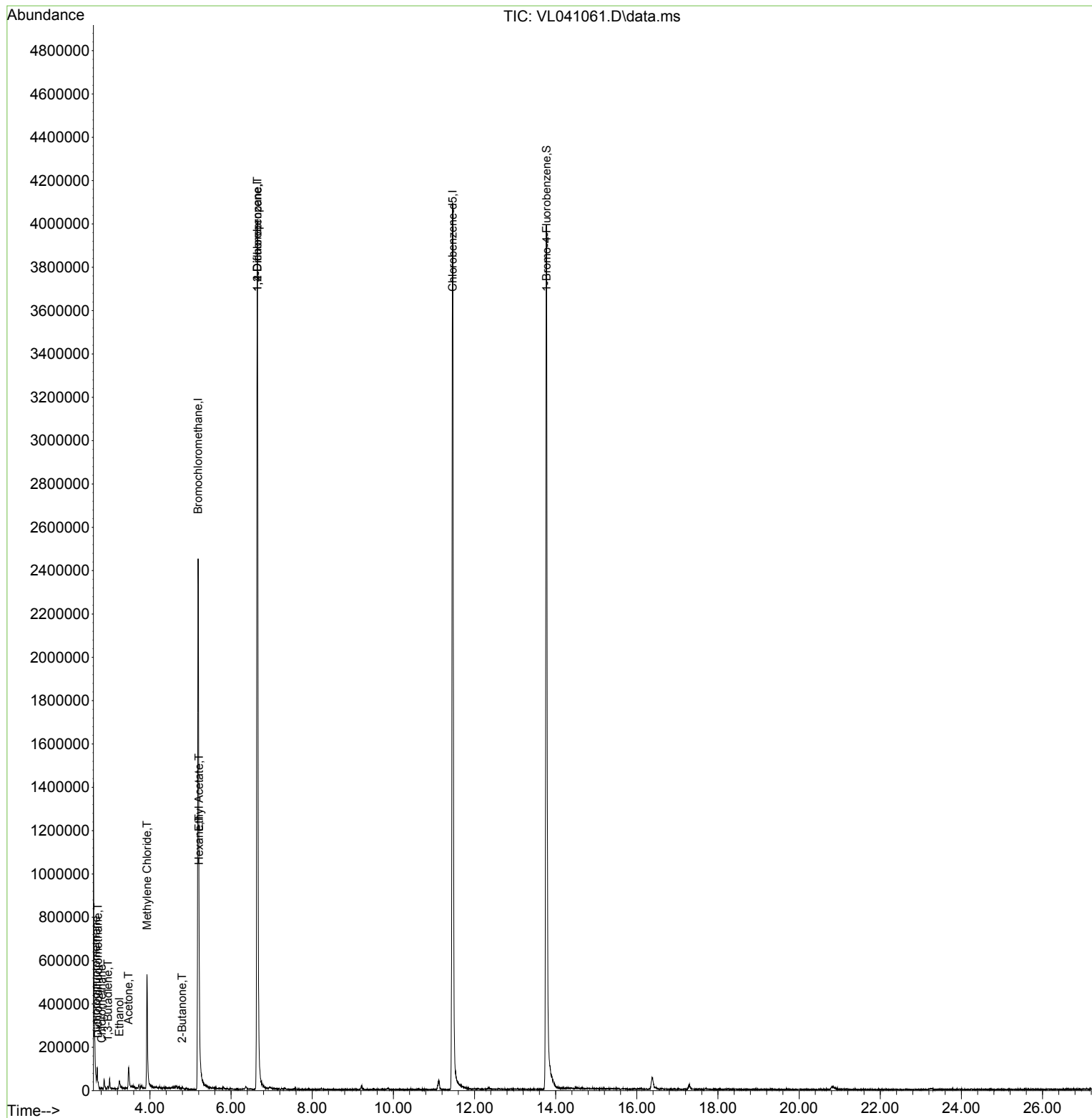
Internal Standards						
1) Bromochloromethane	5.189	49	1170707	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.648	114	3152895	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2811690	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2093811	9.859	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	11395	0.044	ppbv	98
3) Chlorodifluoromethane	2.671	51	7223	0.037	ppbv	93
4) Chloromethane	2.812	50	4261	0.058	ppbv #	81
13) Ethanol	3.247	45	30707	1.995	ppbv	79
15) Acetone	3.472	43	102770	0.686	ppbv	100
16) 1,3-Butadiene	2.967	39	1981	0.028	ppbv #	32
20) Methylene Chloride	3.928	84	180728	3.137	ppbv	97
25) Ethyl Acetate	5.208	43	85349	0.314	ppbv #	78
26) Hexane	5.211	57	113177	0.978	ppbv #	40
34) 2-Butanone	4.793	43	3291	0.022	ppbv #	60
39) 1,2-Dichloropropane	6.645	63	755505	7.365	ppbv #	24

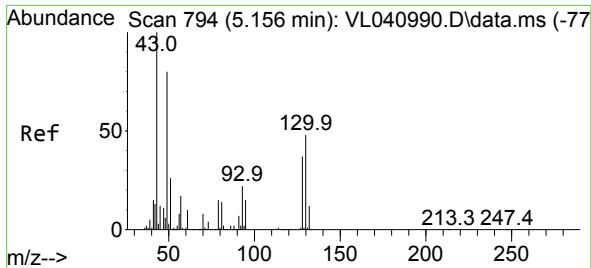
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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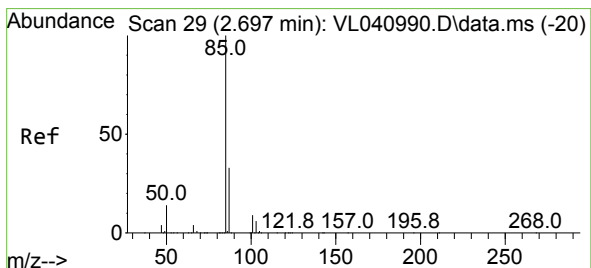
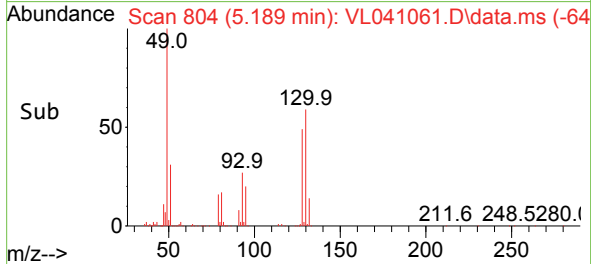
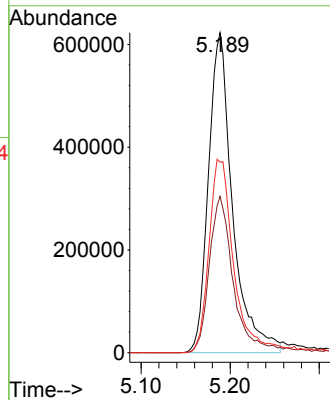
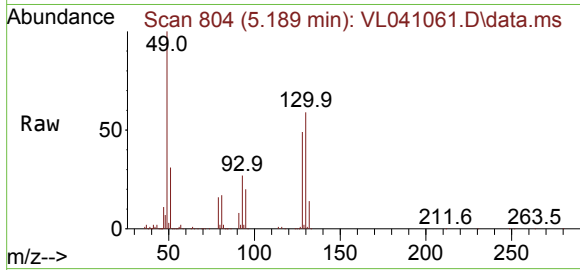




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

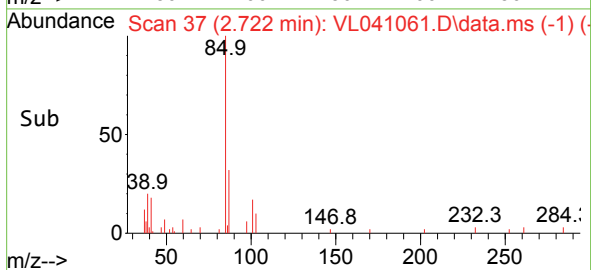
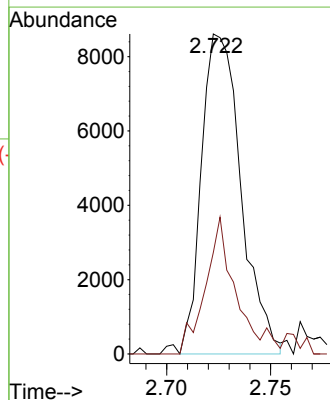
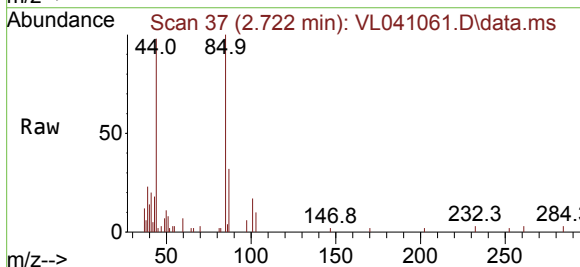
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

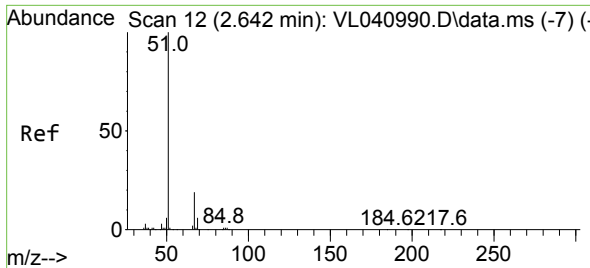
Tgt Ion: 49 Resp: 1170707
Ion Ratio Lower Upper
49 100
128 50.6 23.9 71.7
130 64.5 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.006 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

Tgt Ion: 85 Resp: 11395
Ion Ratio Lower Upper
85 100
87 31.7 26.3 39.5

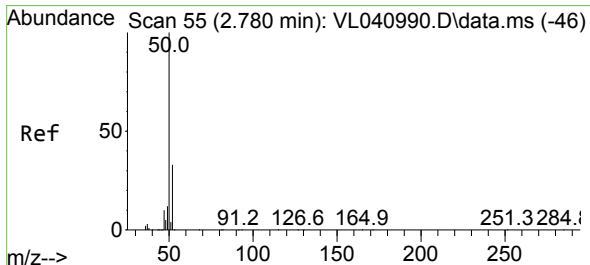
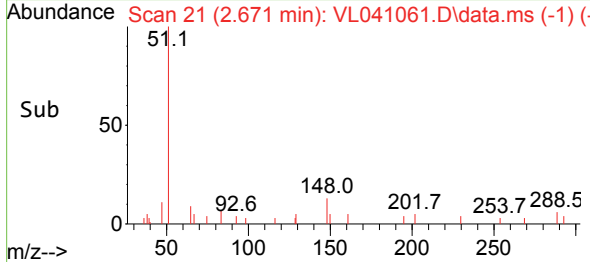
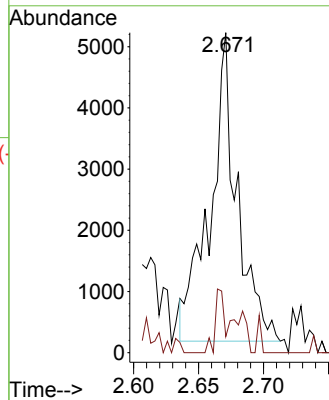
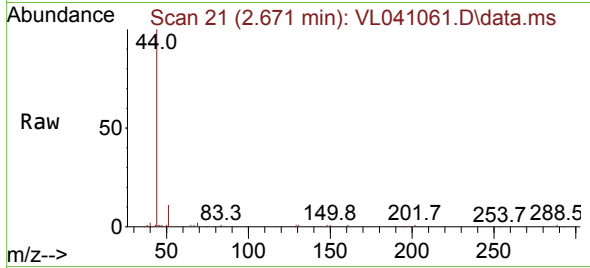




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

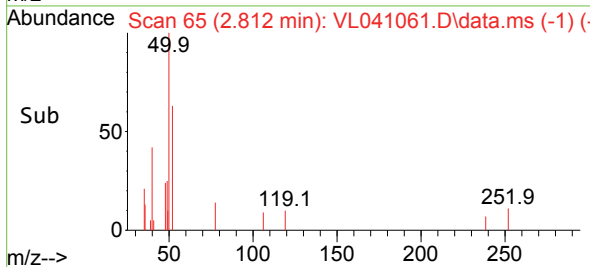
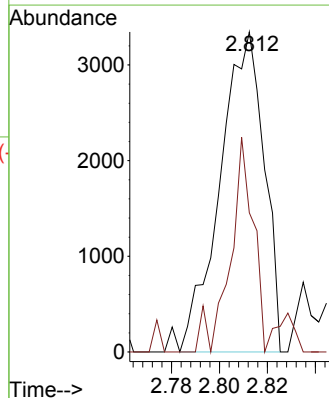
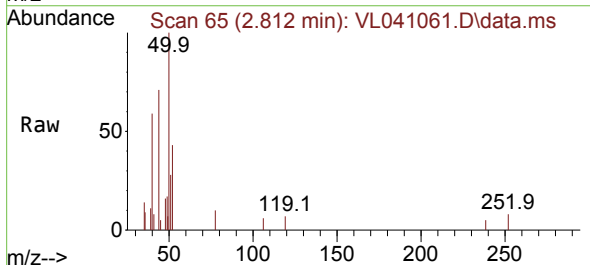
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

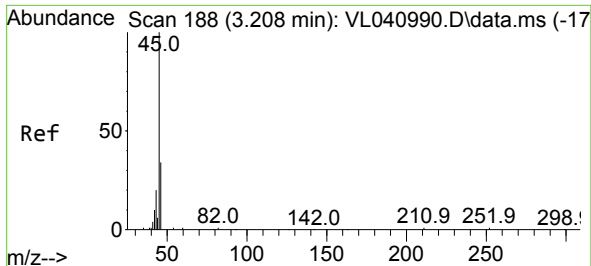
Tgt Ion: 51 Resp: 7223
Ion Ratio Lower Upper
51 100
67 15.6 14.8 22.2



#4
Chloromethane
Concen: 0.058 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.016 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

Tgt Ion: 50 Resp: 4261
Ion Ratio Lower Upper
50 100
52 43.5 26.2 39.4#

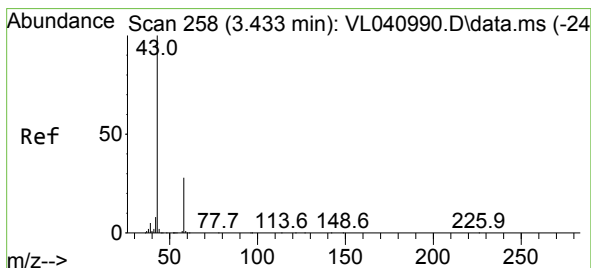
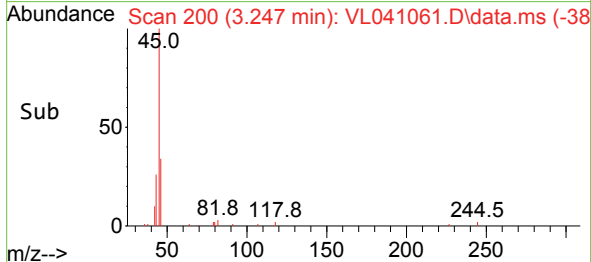
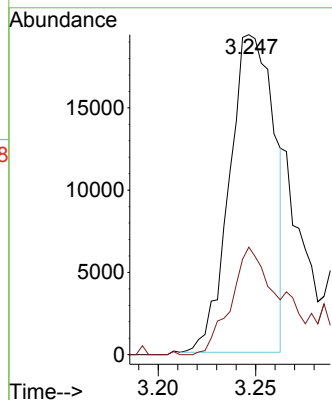
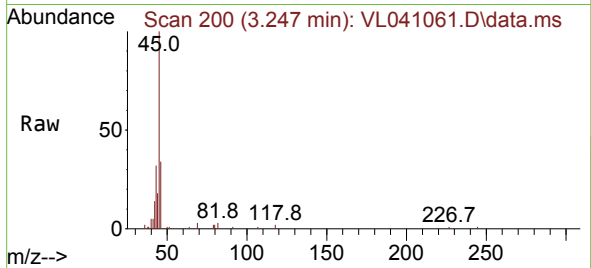




#13
Ethanol
Concen: 1.995 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.022 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

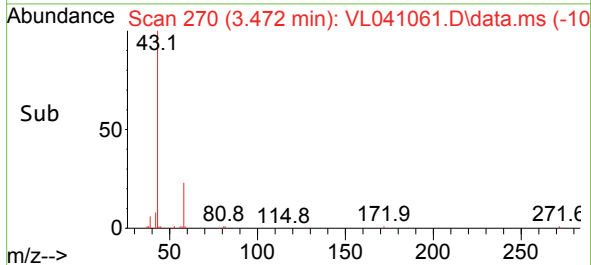
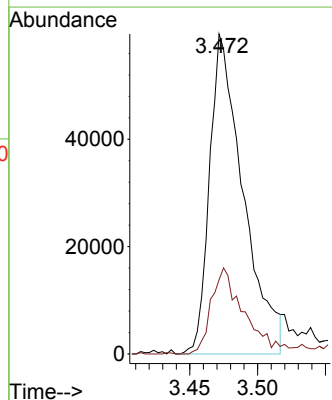
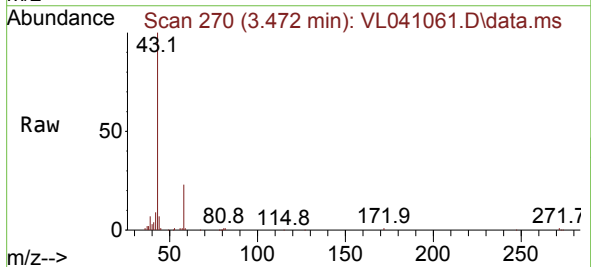
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

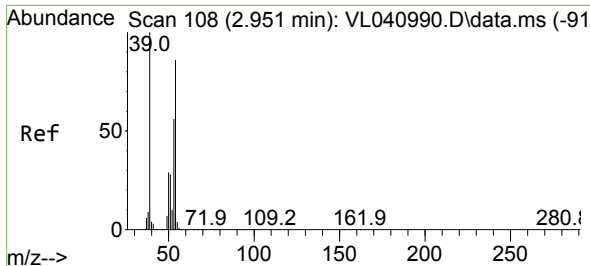
Tgt Ion: 45 Resp: 30707
Ion Ratio Lower Upper
45 100
46 53.5 16.2 64.8



#15
Acetone
Concen: 0.686 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.019 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

Tgt Ion: 43 Resp: 102770
Ion Ratio Lower Upper
43 100
58 27.6 22.2 33.2

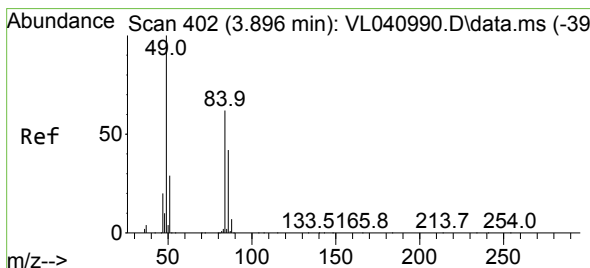
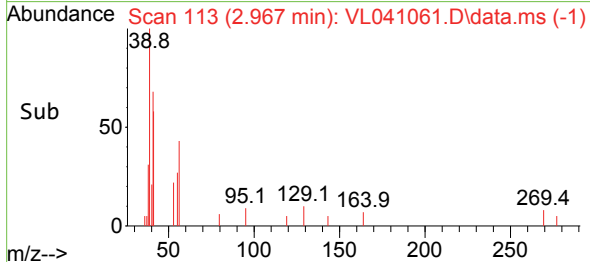
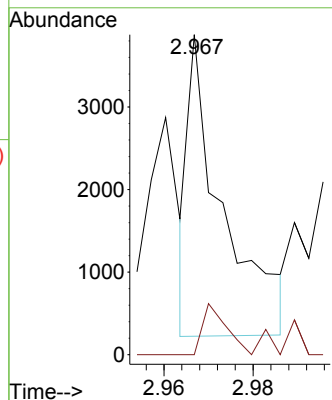
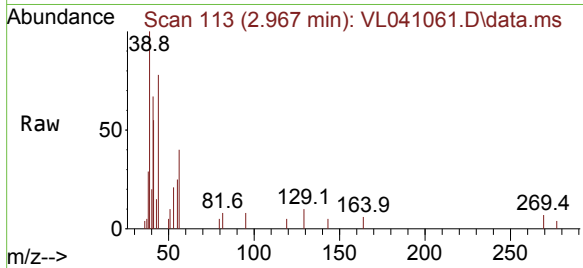




#16
1,3-Butadiene
Concen: 0.028 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.003 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

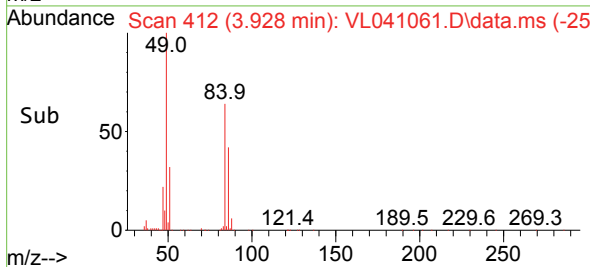
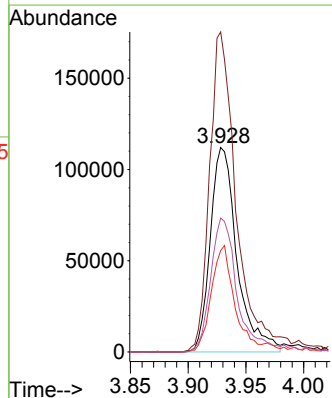
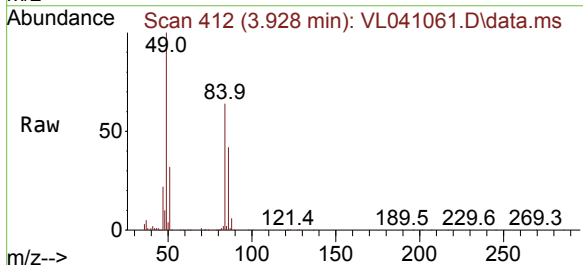
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

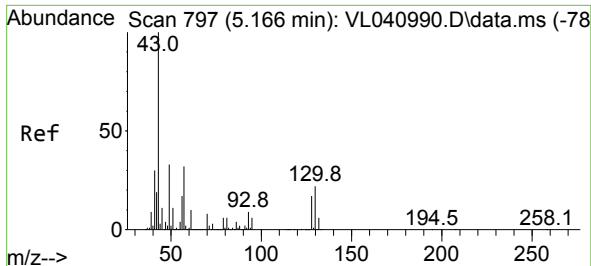
Tgt Ion: 39 Resp: 1981
Ion Ratio Lower Upper
39 100
54 18.6 62.7 94.1#



#20
Methylene Chloride
Concen: 3.137 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.010 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

Tgt Ion: 84 Resp: 180728
Ion Ratio Lower Upper
84 100
49 156.5 128.1 192.1
51 49.6 36.5 54.7
86 65.5 54.1 81.1

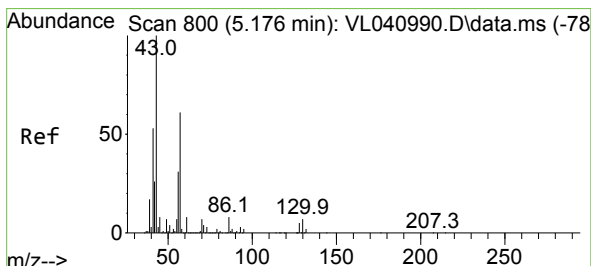
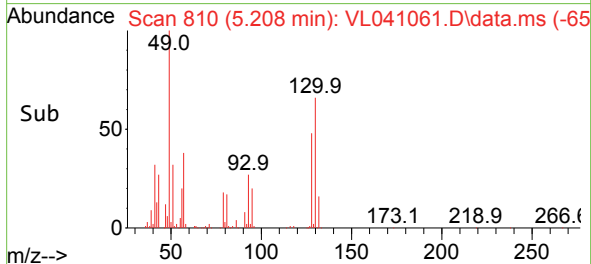
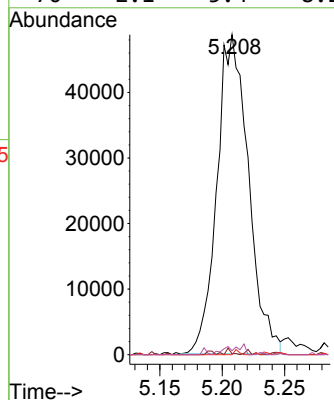
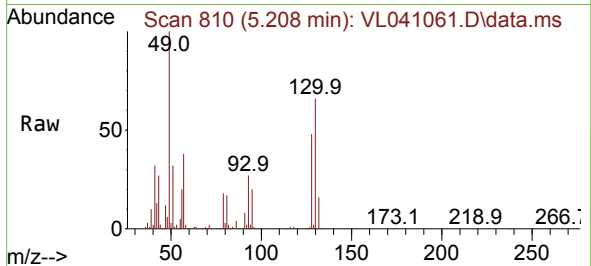




#25
Ethyl Acetate
Concen: 0.314 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.016 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

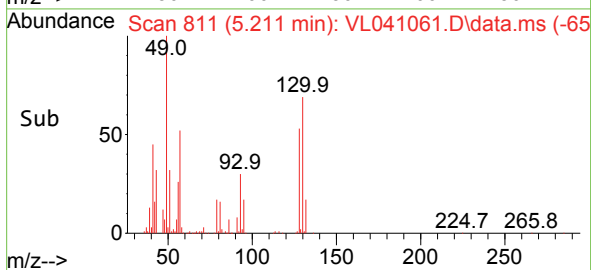
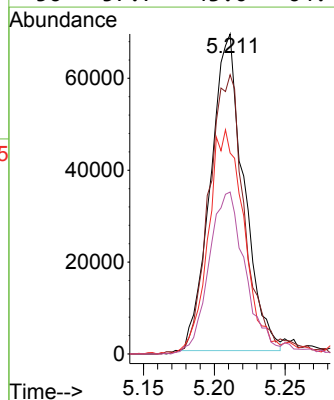
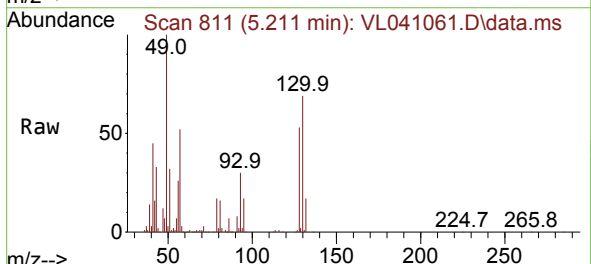
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

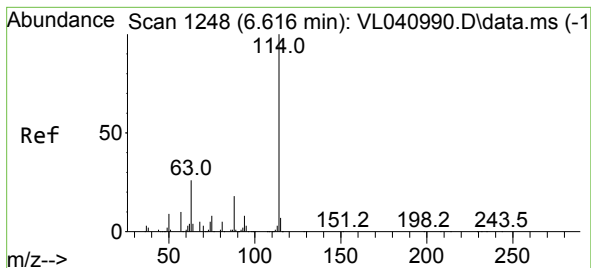
Tgt Ion: 43 Resp: 85349
Ion Ratio Lower Upper
43 100
45 0.8 8.2 12.4#
61 0.6 7.9 11.9#
70 2.1 5.4 8.2#



#26
Hexane
Concen: 0.978 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041061.D
Acq: 9 Feb 2024 17:03

Tgt Ion: 57 Resp: 113177
Ion Ratio Lower Upper
57 100
41 98.5 74.4 111.6
43 79.5 190.6 285.8#
56 57.7 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041061.D

Acq: 9 Feb 2024 17:03

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

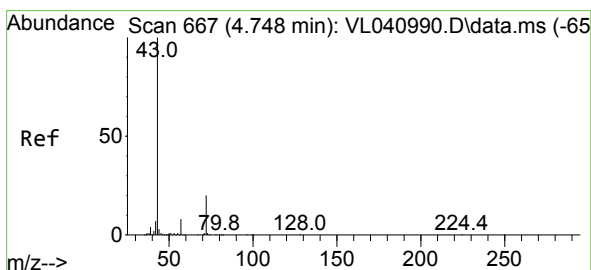
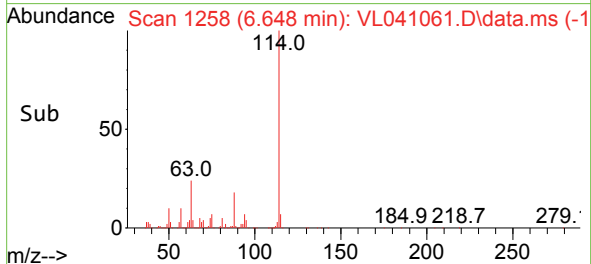
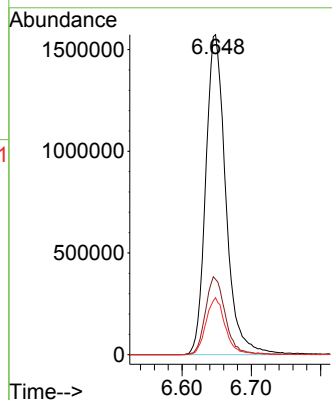
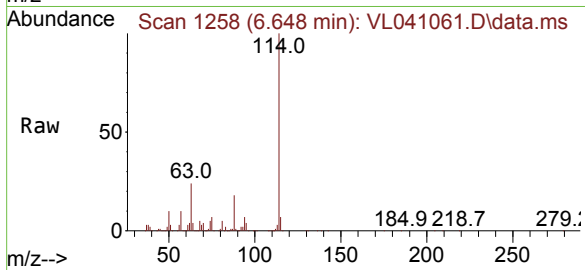
Tgt Ion:114 Resp: 3152895

Ion Ratio Lower Upper

114 100

63 24.3 20.8 31.2

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 0.022 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.022 min

Lab File: VL041061.D

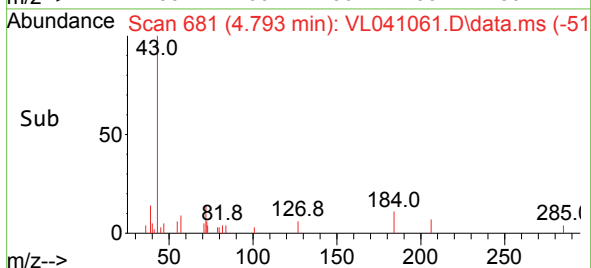
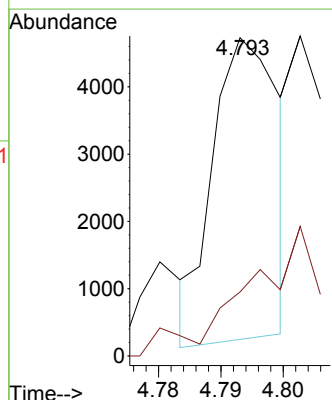
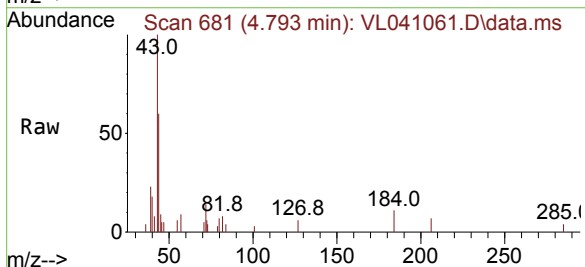
Acq: 9 Feb 2024 17:03

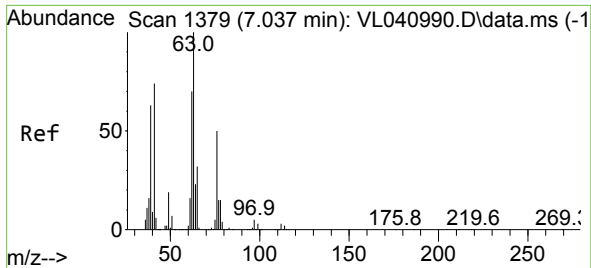
Tgt Ion: 43 Resp: 3291

Ion Ratio Lower Upper

43 100

72 2.7 17.5 26.3#





#39

1,2-Dichloropropane

Concen: 7.365 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL041061.D

Acq: 9 Feb 2024 17:03

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

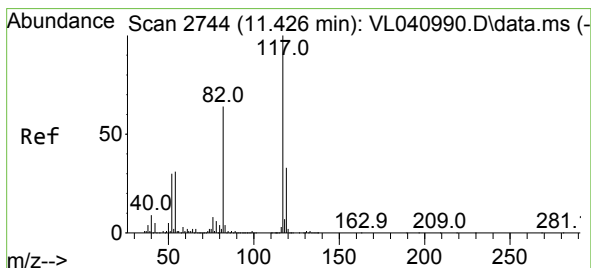
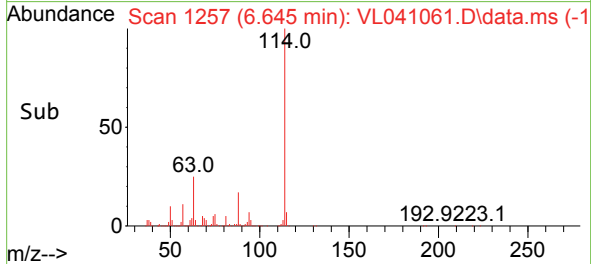
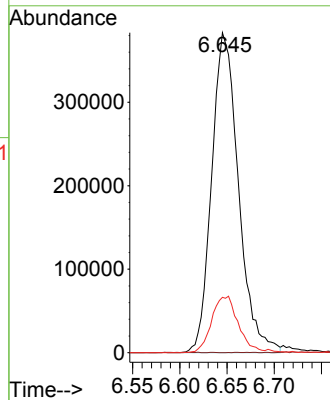
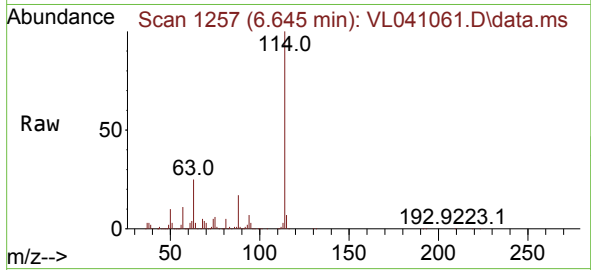
Tgt Ion: 63 Resp: 755505

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.3 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

Delta R.T. 0.010 min

Lab File: VL041061.D

Acq: 9 Feb 2024 17:03

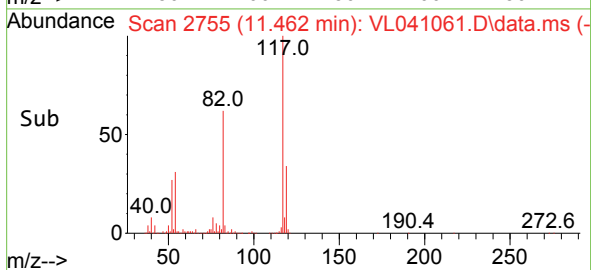
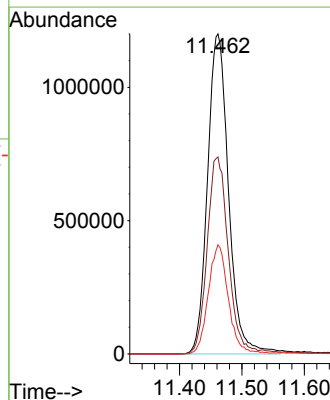
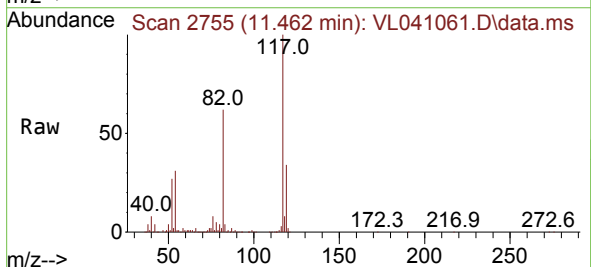
Tgt Ion: 117 Resp: 2811690

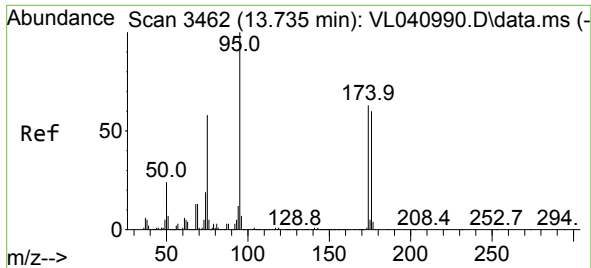
Ion Ratio Lower Upper

117 100

82 62.9 51.7 77.5

119 33.0 23.8 35.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.859 ppbv
 RT: 13.773 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL041061.D
 Acq: 9 Feb 2024 17:03

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tgt Ion: 95 Resp: 2093811

Ion	Ratio	Lower	Upper
95	100		
174	64.7	49.1	73.7
175	4.7	3.7	5.5

