

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041006.D
 Acq On : 23 Jan 2024 21:27
 Operator : SY/MD
 Sample : P1211-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jan 24 01:01:55 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 : Wed Jan 24 00:50:15 2024
 Response via : Initial Calibration

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

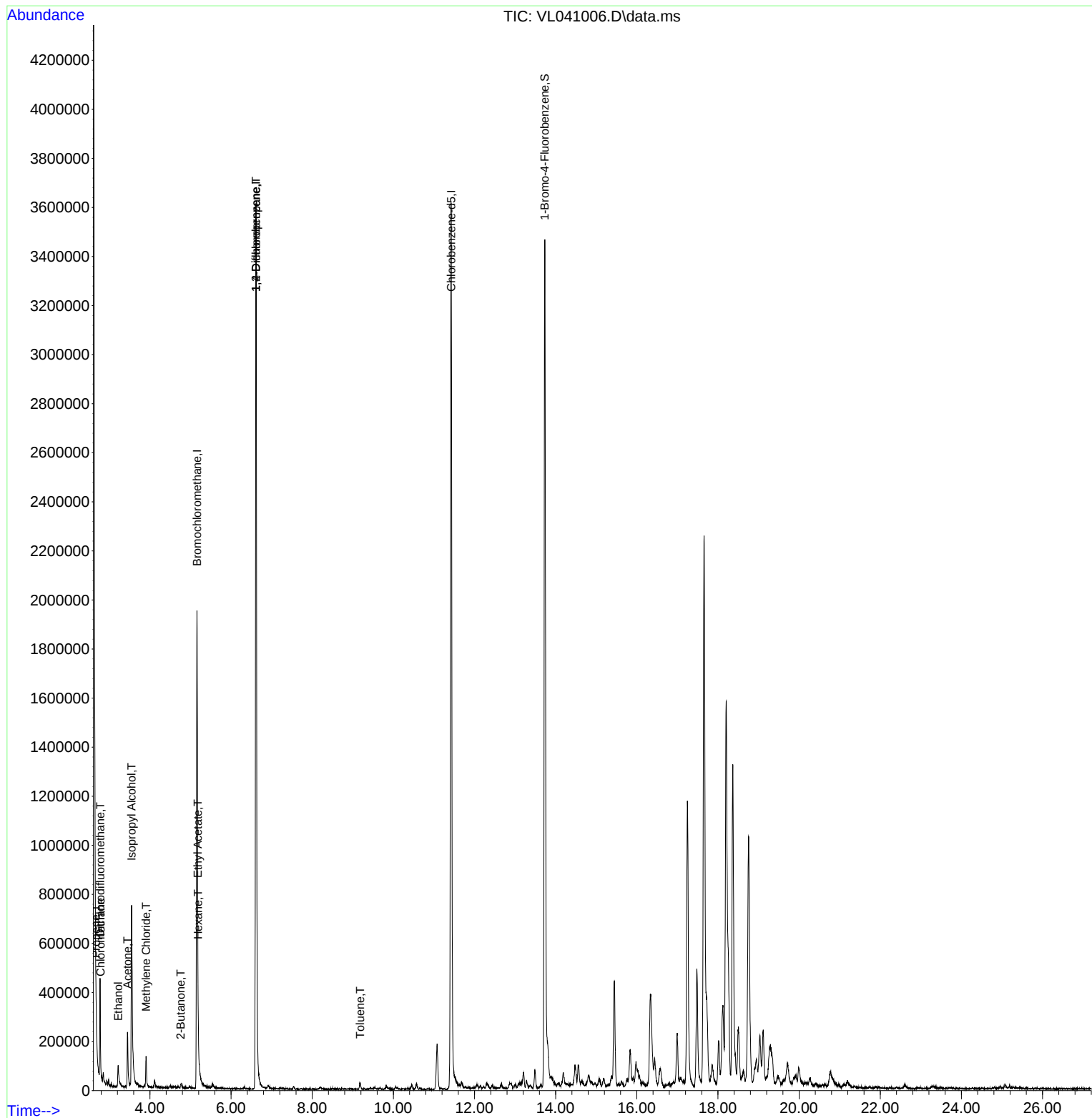
Internal Standards						
1) Bromochloromethane	5.160	49	972176	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2753130	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2365108	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.728	95	1782450	9.978	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.774	85	31163	0.145	ppbv	94
4) Chloromethane	2.780	50	2338	0.038	ppbv #	54
9) Propene	2.674	41	8927	0.166	ppbv	100
13) Ethanol	3.218	45	97437	7.623	ppbv	98
15) Acetone	3.446	43	218369	1.756	ppbv	96
19) Isopropyl Alcohol	3.549	45	869024	12.076	ppbv #	97
20) Methylene Chloride	3.906	84	36252	0.758	ppbv	97
25) Ethyl Acetate	5.179	43	14120	0.063	ppbv #	75
26) Hexane	5.185	57	14878	0.155	ppbv #	49
34) 2-Butanone	4.761	43	20869	0.159	ppbv #	90
39) 1,2-Dichloropropane	6.613	63	667034	7.447	ppbv #	24
53) Toluene	9.179	91	15481	0.062	ppbv #	70

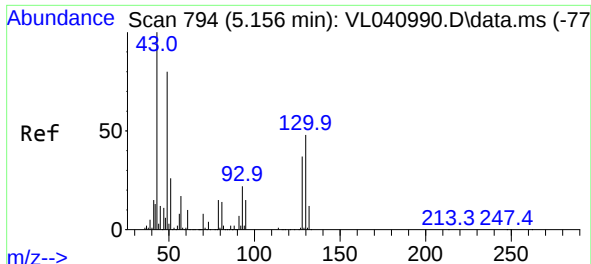
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jan 24 01:01:55 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 : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

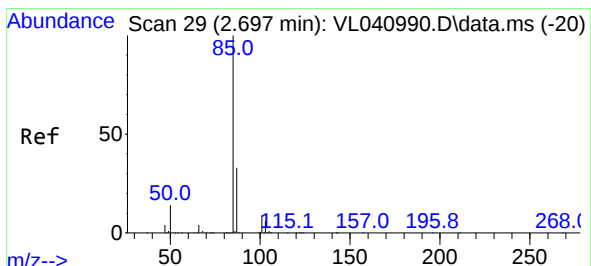
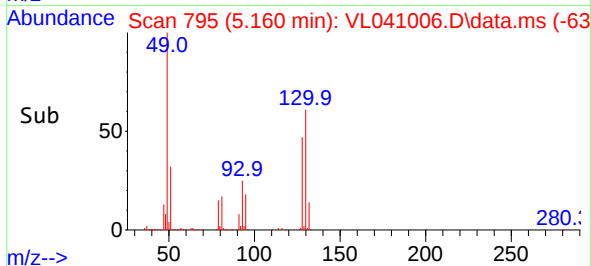
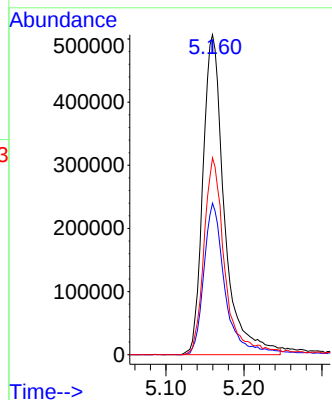
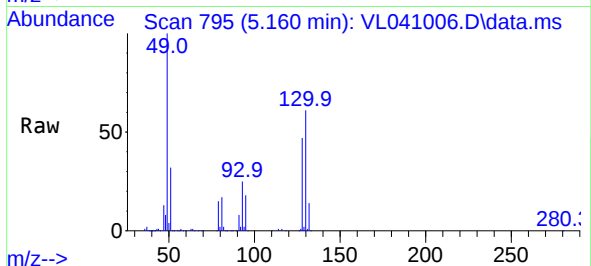




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

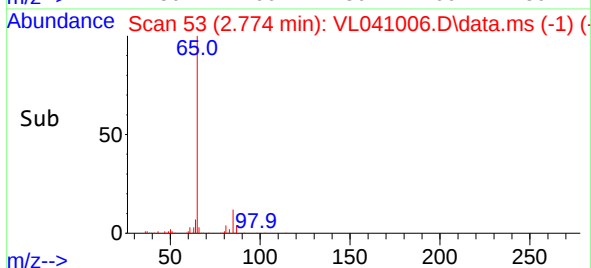
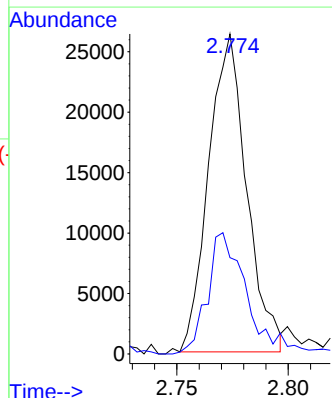
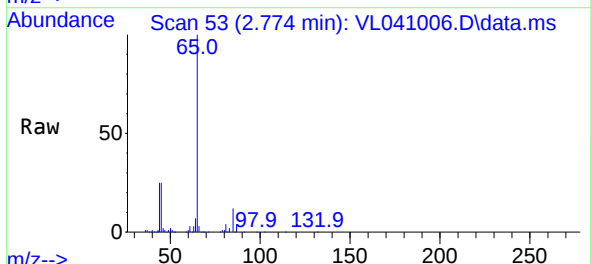
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

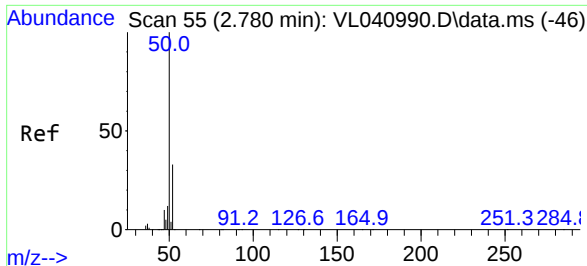
Tgt Ion: 49 Resp: 972176
Ion Ratio Lower Upper
49 100
128 47.6 23.9 71.7
130 61.2 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.145 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.077 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Tgt Ion: 85 Resp: 31163
Ion Ratio Lower Upper
85 100
87 29.7 26.3 39.5

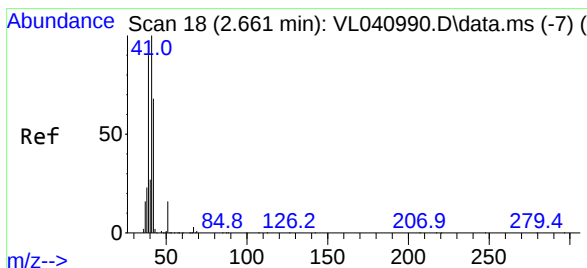
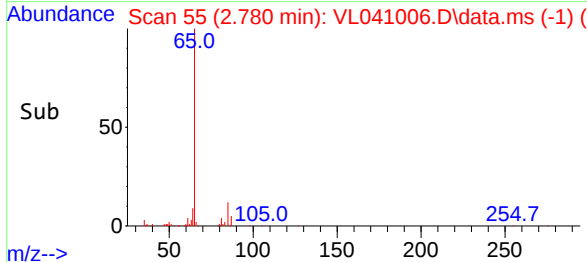
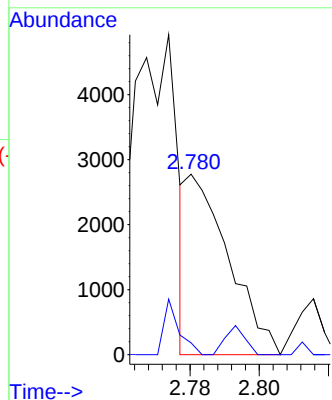
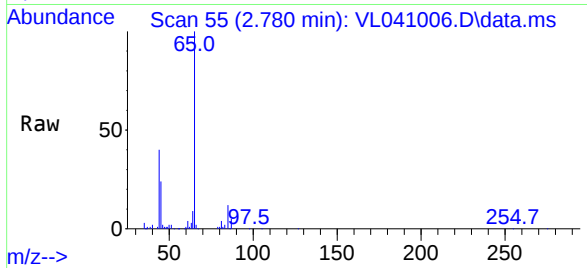




#4
Chloromethane
Concen: 0.038 ppbv
RT: 2.780 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

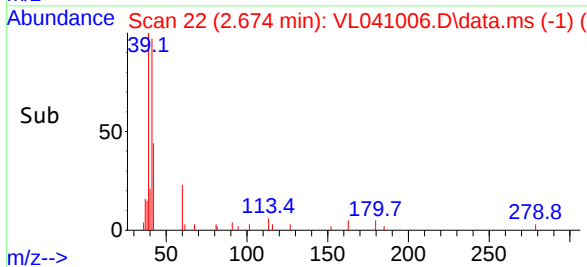
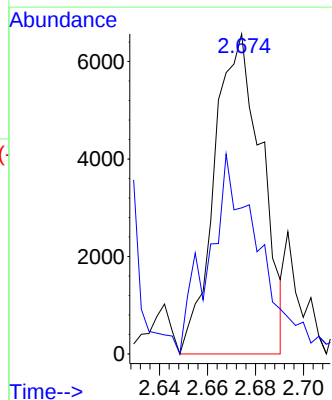
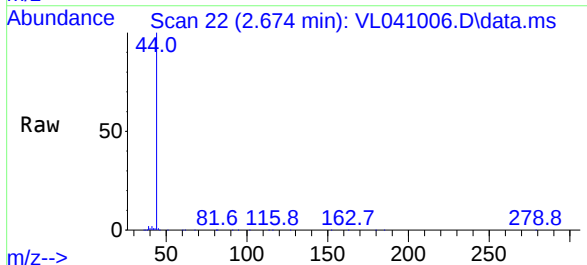
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

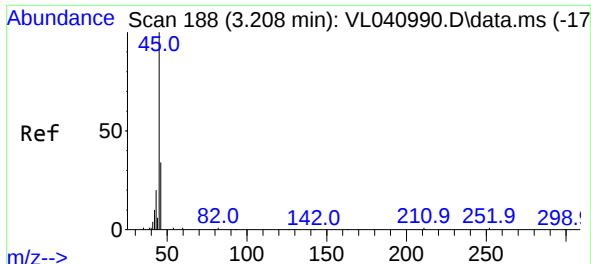
Tgt Ion: 50 Resp: 2338
Ion Ratio Lower Upper
50 100
52 6.6 26.2 39.4#



#9
Propene
Concen: 0.166 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.013 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Tgt Ion: 41 Resp: 8927
Ion Ratio Lower Upper
41 100
42 73.5 59.0 88.4

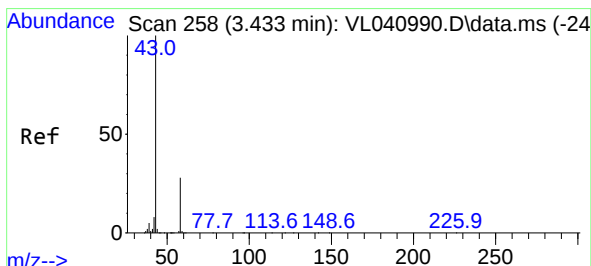
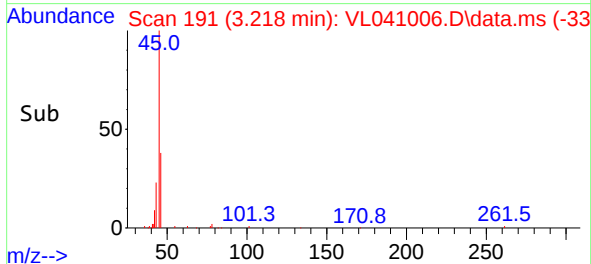
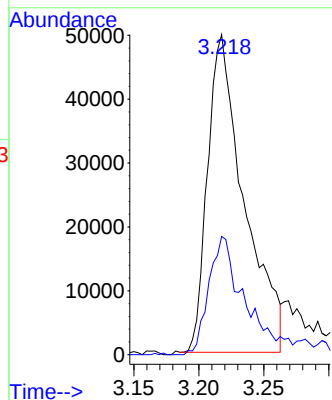
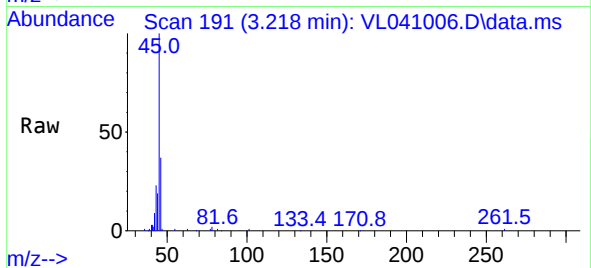




#13
Ethanol
Concen: 7.623 ppbv
RT: 3.218 min Scan# 191
Delta R.T. 0.010 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

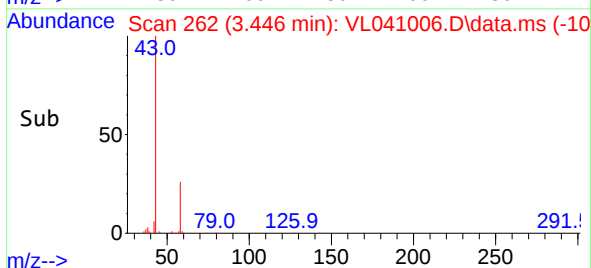
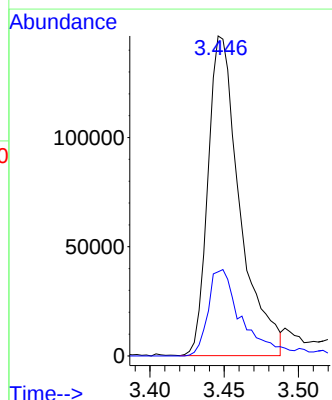
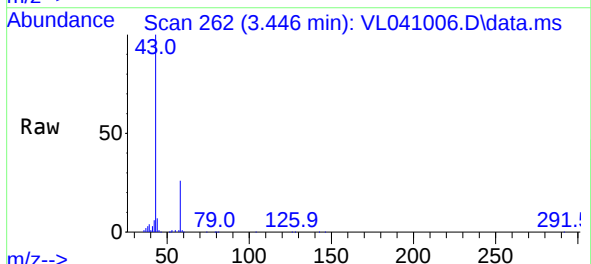
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

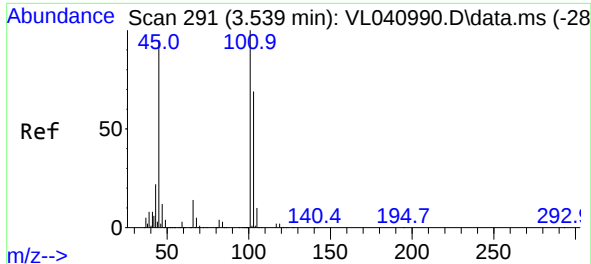
Tgt Ion: 45 Resp: 97437
Ion Ratio Lower Upper
45 100
46 42.0 16.2 64.8



#15
Acetone
Concen: 1.756 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.013 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Tgt Ion: 43 Resp: 218369
Ion Ratio Lower Upper
43 100
58 30.0 22.2 33.2





#19

Isopropyl Alcohol

Concen: 12.076 ppbv

RT: 3.549 min Scan# 291

Delta R.T. 0.010 min

Lab File: VL041006.D

Acq: 23 Jan 2024 21:27

Instrument :

MSVOA_L

ClientSampleId :

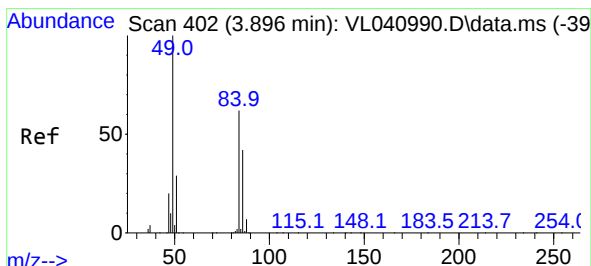
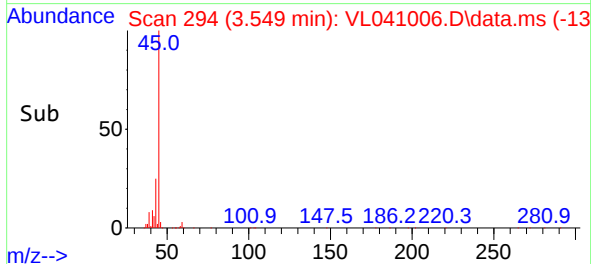
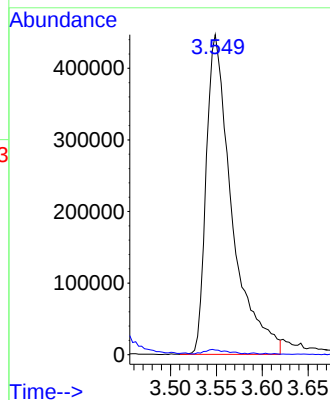
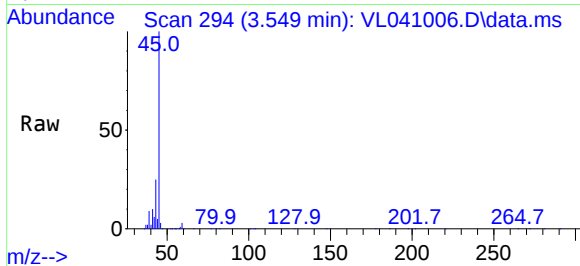
SV1DL

Tgt Ion: 45 Resp: 869024

Ion Ratio Lower Upper

45 100

58 1.6 2.2 3.4#



#20

Methylene Chloride

Concen: 0.758 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.010 min

Lab File: VL041006.D

Acq: 23 Jan 2024 21:27

Tgt Ion: 84 Resp: 36252

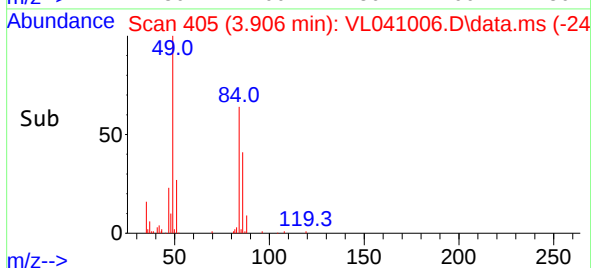
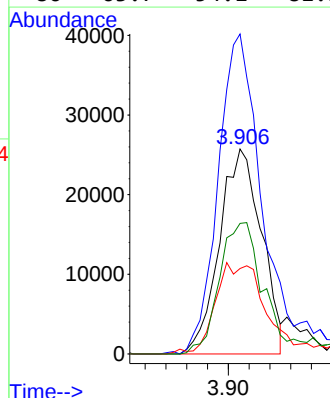
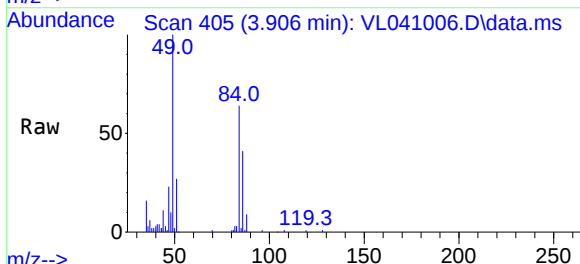
Ion Ratio Lower Upper

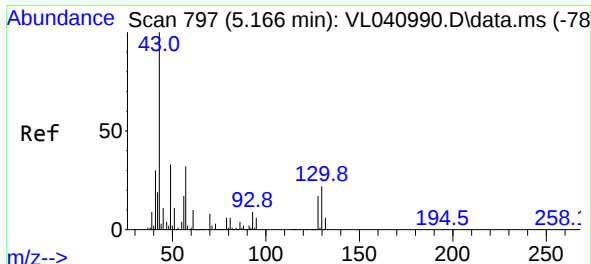
84 100

49 159.3 128.1 192.1

51 39.3 36.5 54.7

86 63.7 54.1 81.1



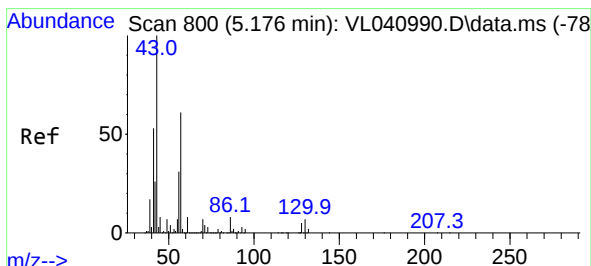
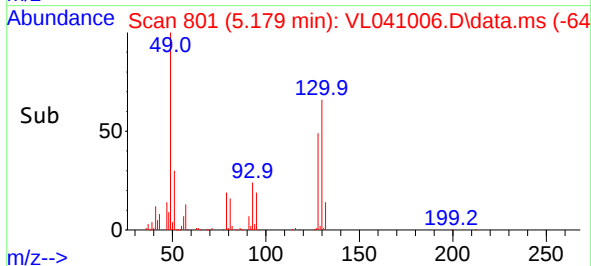
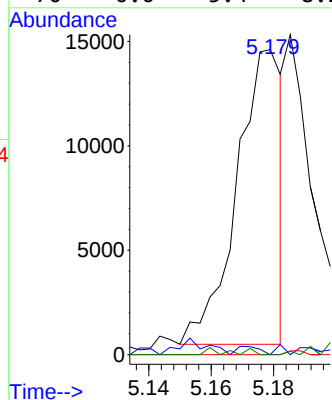
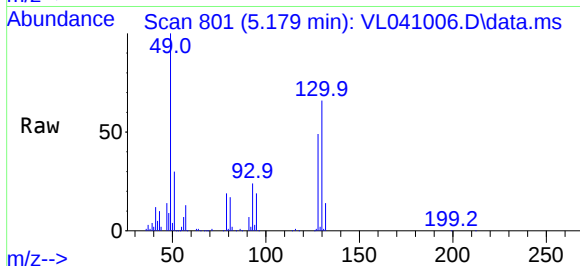


#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.179 min Scan# 801
Delta R.T. 0.013 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 14120

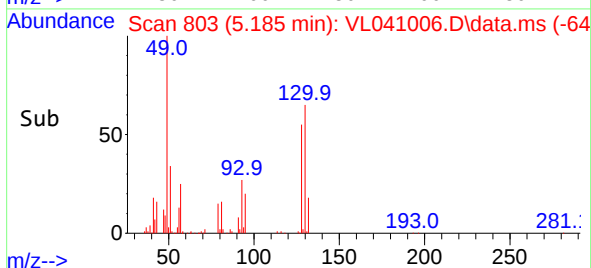
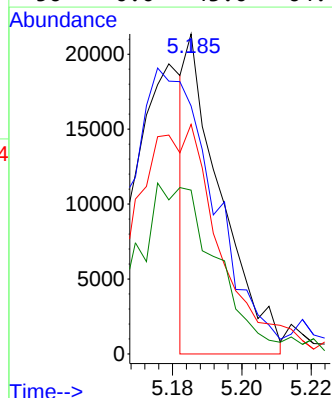
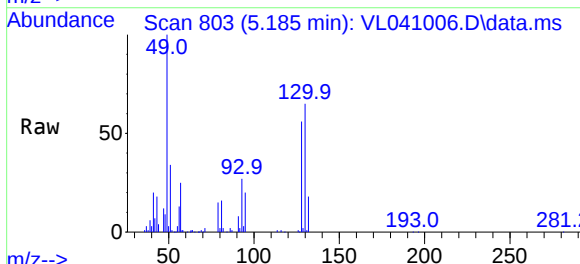
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.9	11.9#
70	0.0	5.4	8.2#

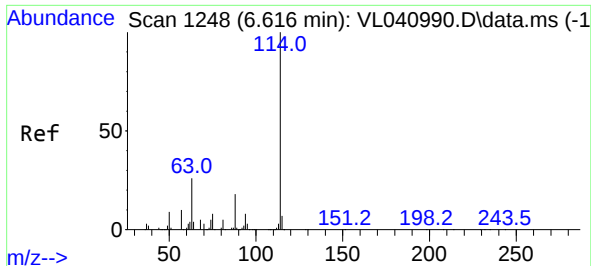


#26
Hexane
Concen: 0.155 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.010 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Tgt Ion: 57 Resp: 14878

Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.4	111.6#
43	192.0	190.6	285.8
56	0.0	43.0	64.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.616 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL041006.D

Acq: 23 Jan 2024 21:27

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

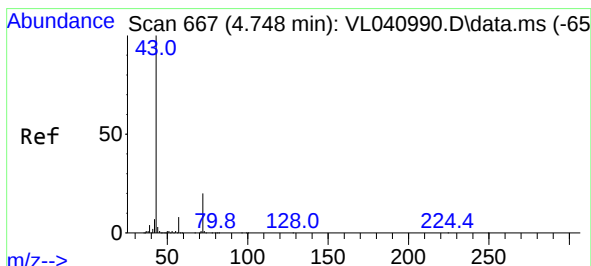
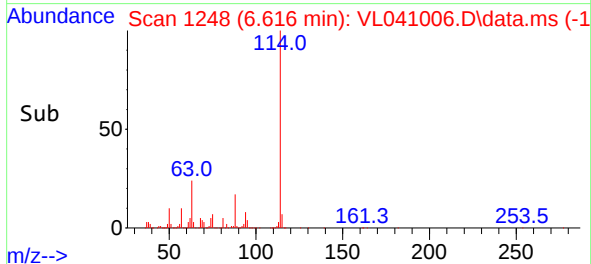
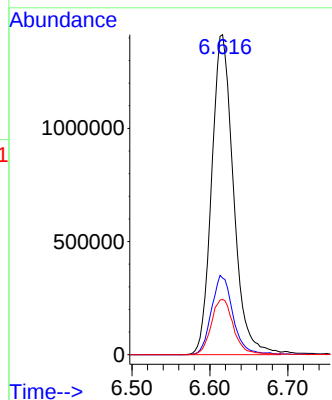
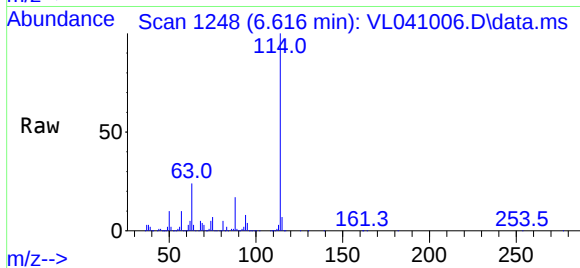
Tgt Ion:114 Resp: 2753130

Ion Ratio Lower Upper

114 100

63 24.9 20.8 31.2

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.159 ppbv

RT: 4.761 min Scan# 671

Delta R.T. 0.013 min

Lab File: VL041006.D

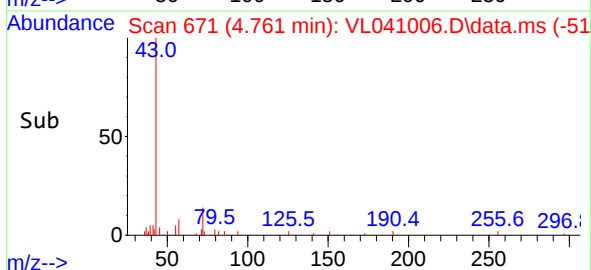
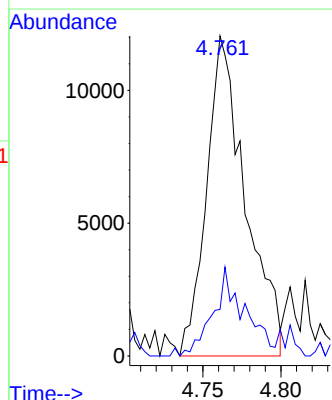
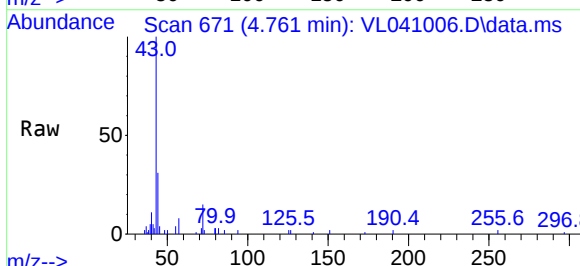
Acq: 23 Jan 2024 21:27

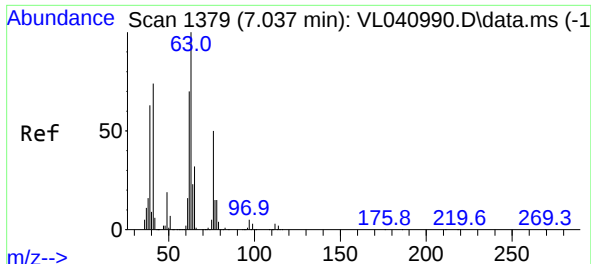
Tgt Ion: 43 Resp: 20869

Ion Ratio Lower Upper

43 100

72 26.9 17.5 26.3#





#39

1,2-Dichloropropane

Concen: 7.447 ppbv

RT: 6.613 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041006.D

Acq: 23 Jan 2024 21:27

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

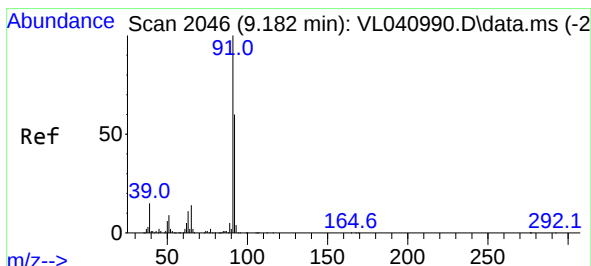
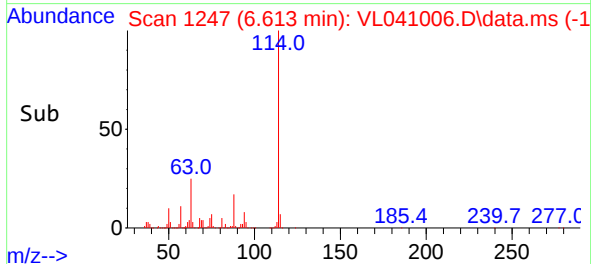
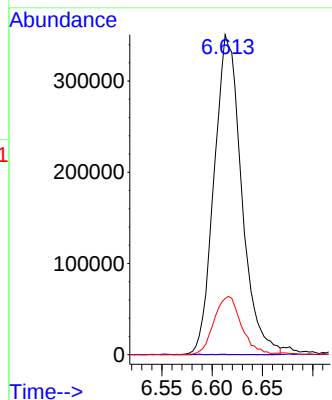
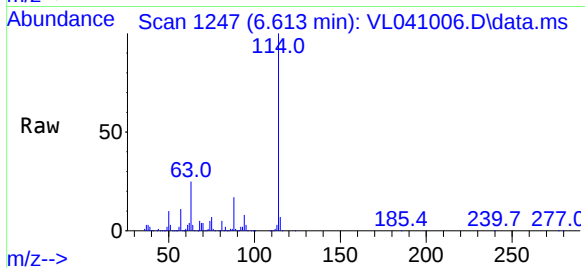
Tgt Ion: 63 Resp: 667034

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 17.6 55.6 83.4#



#53

Toluene

Concen: 0.062 ppbv

RT: 9.179 min Scan# 2045

Delta R.T. -0.003 min

Lab File: VL041006.D

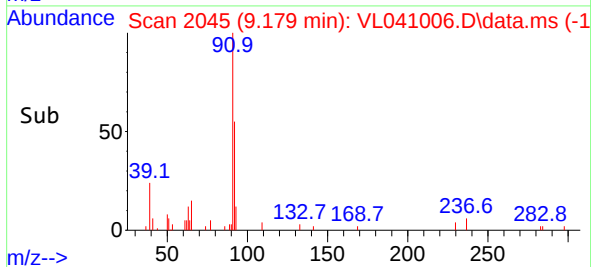
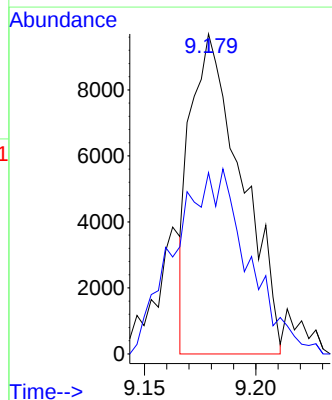
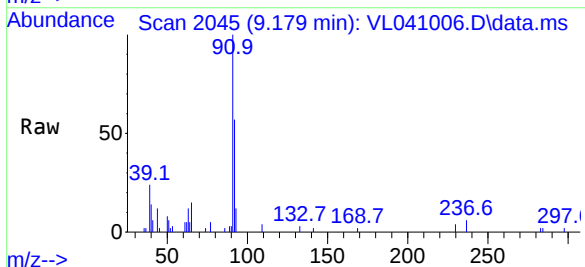
Acq: 23 Jan 2024 21:27

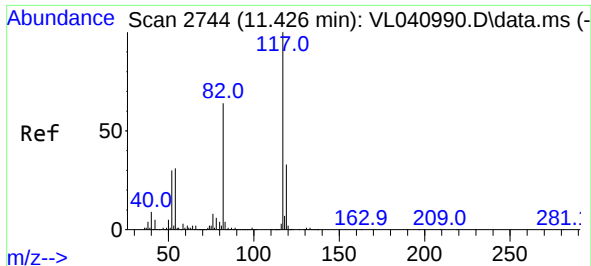
Tgt Ion: 91 Resp: 15481

Ion Ratio Lower Upper

91 100

92 83.5 48.6 72.8#

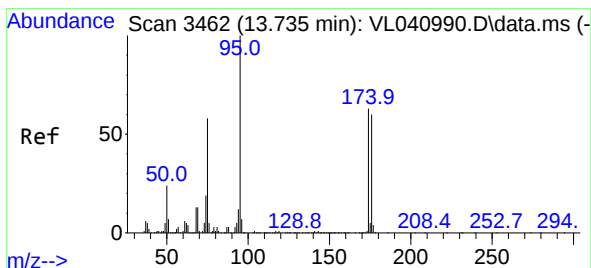
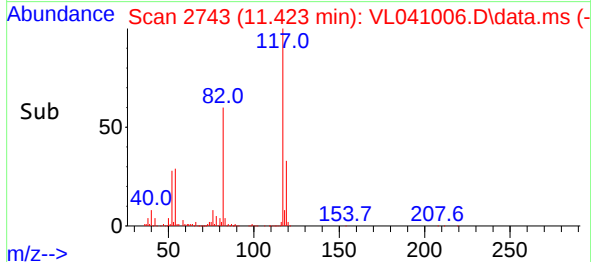
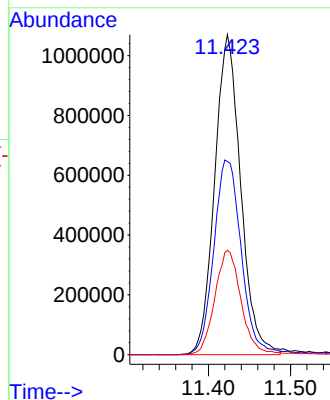
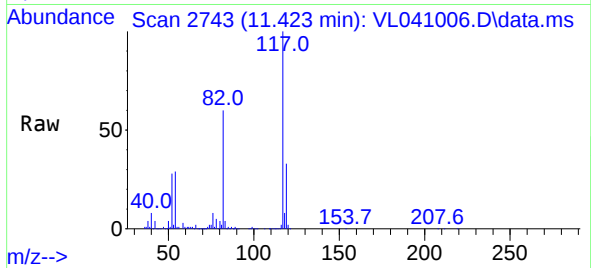




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 2365108
Ion Ratio Lower Upper
117 100
82 65.3 51.7 77.5
119 33.4 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.978 ppbv
RT: 13.728 min Scan# 3460
Delta R.T. -0.006 min
Lab File: VL041006.D
Acq: 23 Jan 2024 21:27

Tgt Ion: 95 Resp: 1782450
Ion Ratio Lower Upper
95 100
174 61.3 49.1 73.7
175 4.6 3.7 5.5

