

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041138.D
 Acq On : 4 Apr 2024 23:31
 Operator : SY/MD
 Sample : P1953-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Quant Time: Apr 05 03:47:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 03:20:09 2024
 Response via : Initial Calibration

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

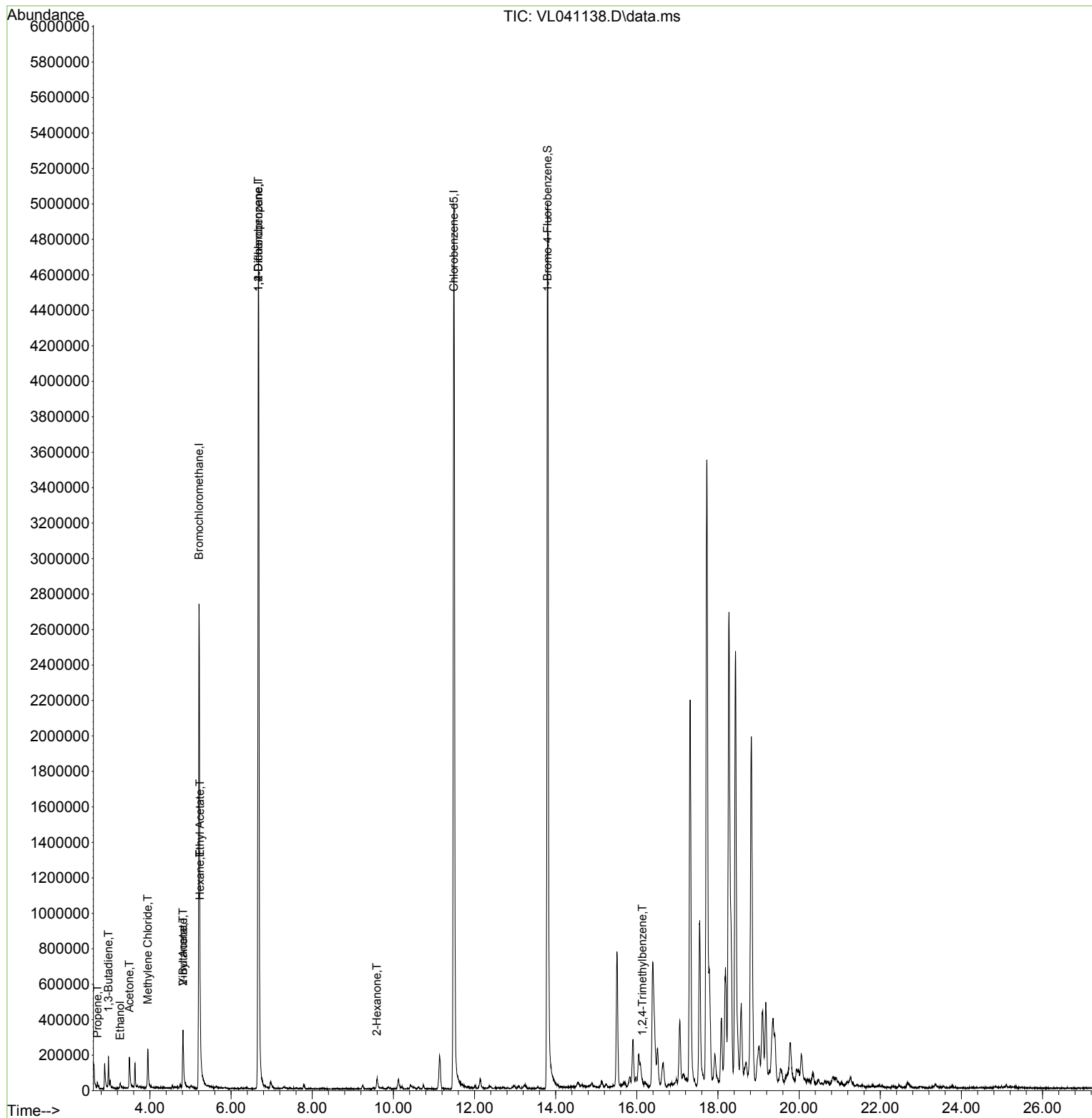
Internal Standards						
1) Bromochloromethane	5.211	49	1385406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3893544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	3507298	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	2684341	9.479	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.800%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	10494	0.155	ppbv	97
13) Ethanol	3.263	45	8978	0.568	ppbv #	1
15) Acetone	3.494	43	179470	1.196	ppbv #	81
16) 1,3-Butadiene	2.976	39	36586	0.497	ppbv #	16
20) Methylene Chloride	3.947	84	73100	1.182	ppbv	94
23) Vinyl Acetate	4.816	43	395057	2.538	ppbv #	88
25) Ethyl Acetate	5.230	43	15045	0.053	ppbv #	80
26) Hexane	5.234	57	12443	0.098	ppbv #	17
34) 2-Butanone	4.816	43	395057	2.349	ppbv	92
39) 1,2-Dichloropropane	6.674	63	928942	8.194	ppbv #	22
51) 2-Hexanone	9.590	43	23154	0.116	ppbv #	31
74) 1,2,4-Trimethylbenzene	16.140	105	13045	0.035	ppbv #	64

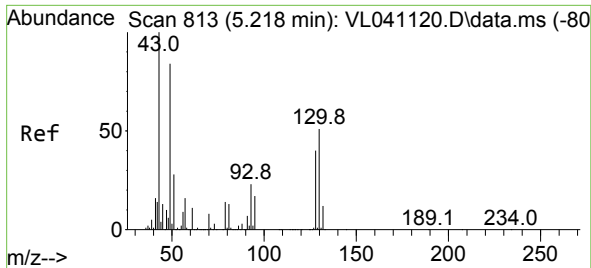
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
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Quant Time: Apr 05 03:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 05 03:20:09 2024
Response via : Initial Calibration

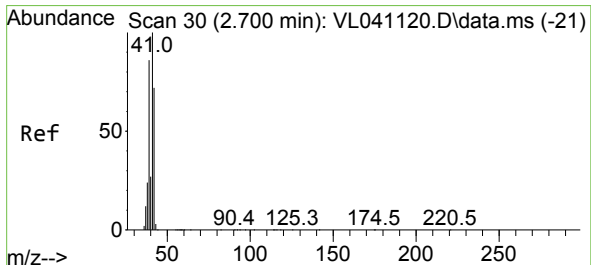
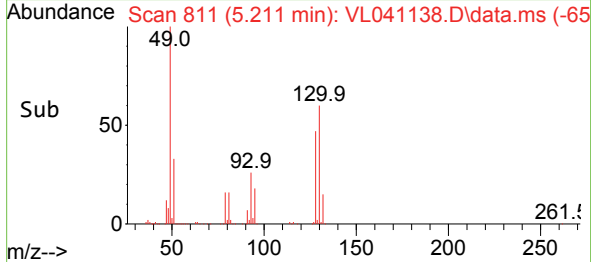
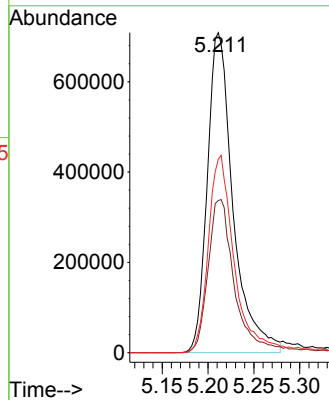
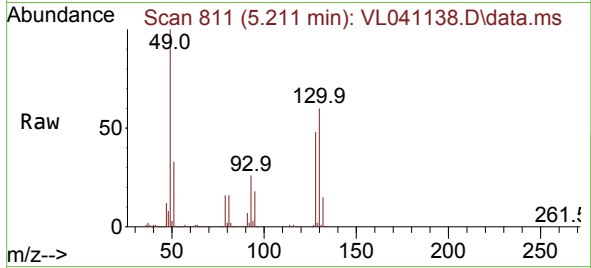




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

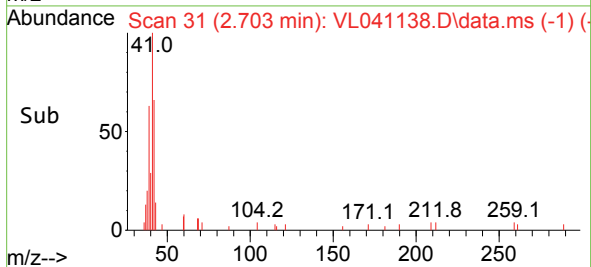
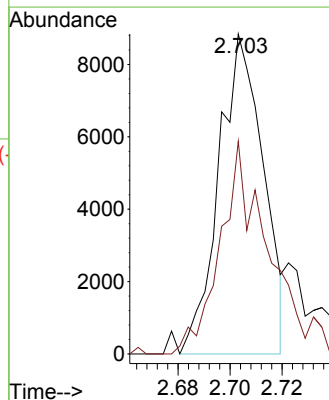
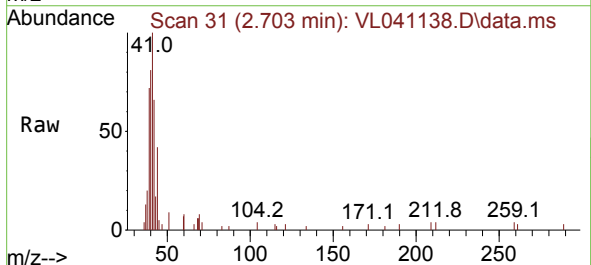
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

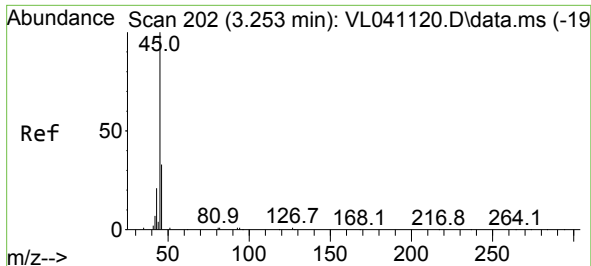
Tgt Ion: 49 Resp: 1385406
Ion Ratio Lower Upper
49 100
128 50.9 23.8 71.5
130 64.5 30.3 90.9



#9
Propene
Concen: 0.155 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 41 Resp: 10494
Ion Ratio Lower Upper
41 100
42 72.1 55.9 83.9

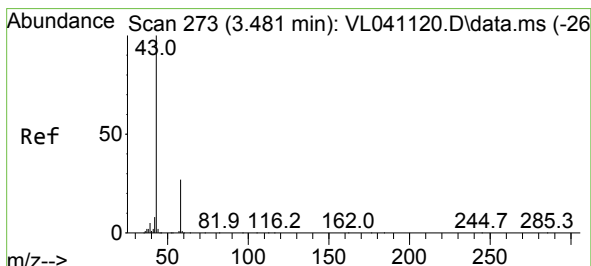
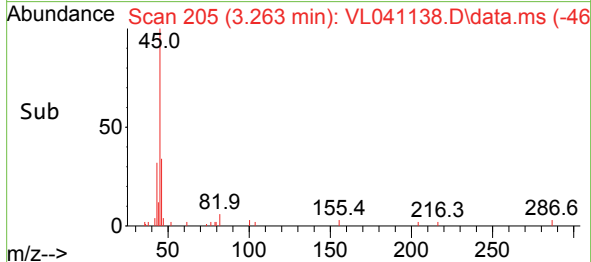
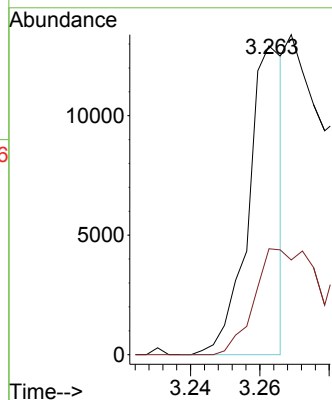
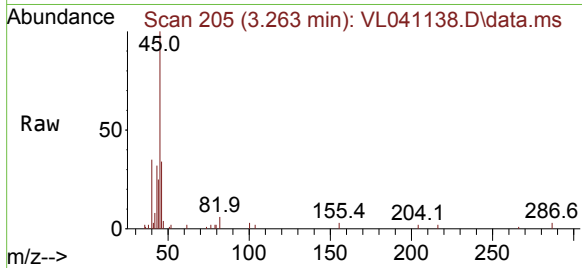




#13
Ethanol
Concen: 0.568 ppbv
RT: 3.263 min Scan# 202
Delta R.T. 0.010 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

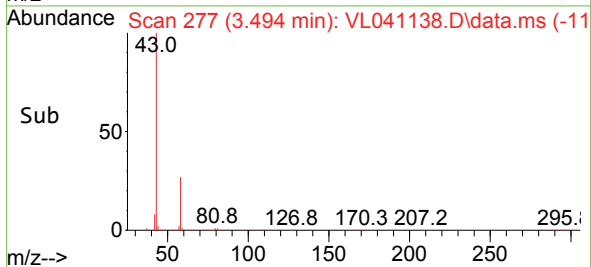
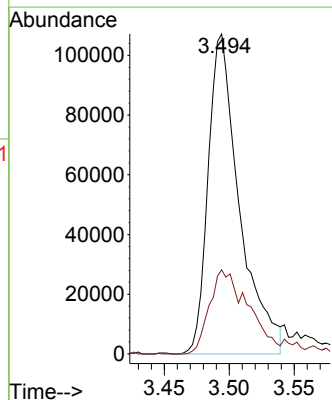
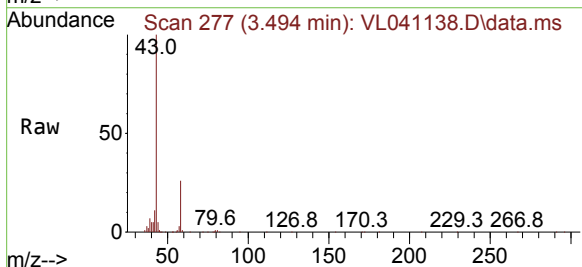
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

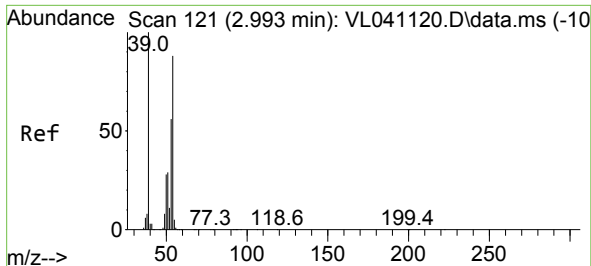
Tgt Ion: 45 Resp: 8978
Ion Ratio Lower Upper
45 100
46 130.3 14.6 58.2#



#15
Acetone
Concen: 1.196 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.013 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 43 Resp: 179470
Ion Ratio Lower Upper
43 100
58 37.0 21.7 32.5#

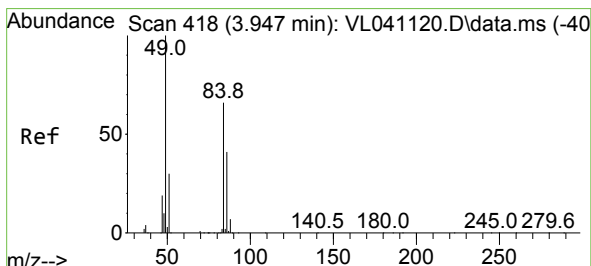
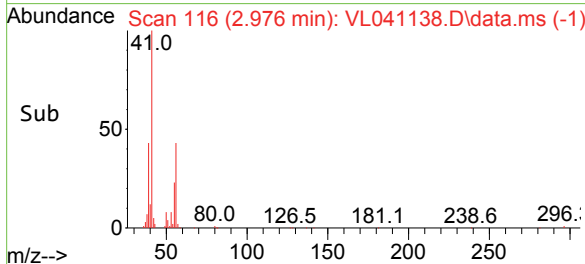
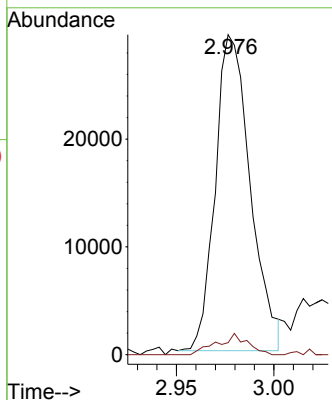
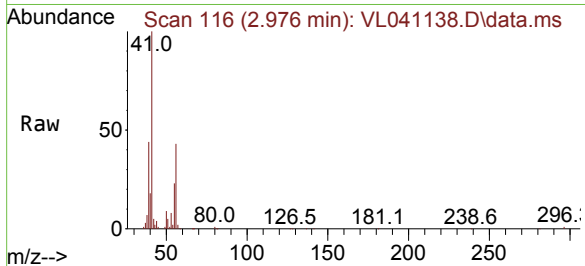




#16
1,3-Butadiene
Concen: 0.497 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.016 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

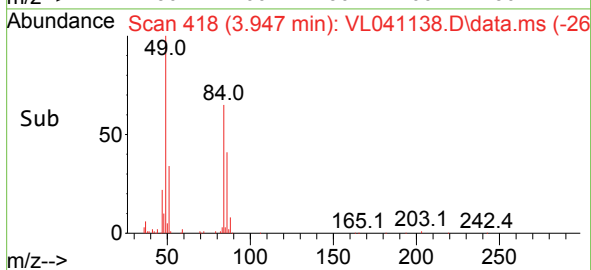
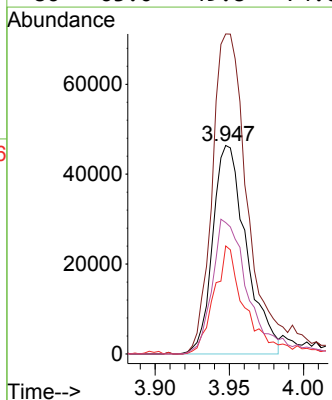
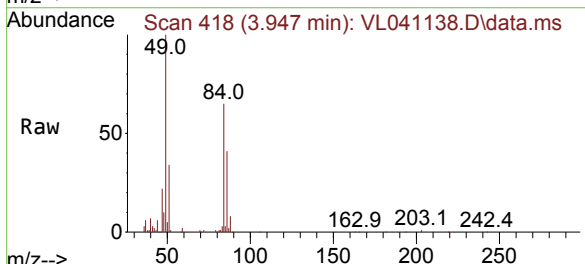
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

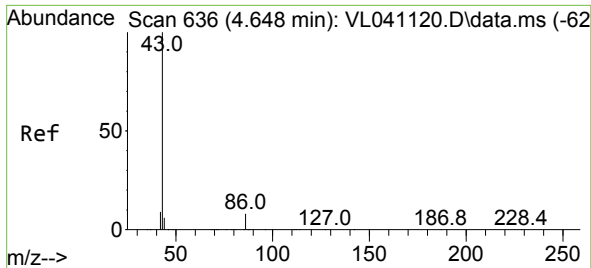
Tgt Ion: 39 Resp: 36586
Ion Ratio Lower Upper
39 100
54 5.8 64.0 96.0#



#20
Methylene Chloride
Concen: 1.182 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 84 Resp: 73100
Ion Ratio Lower Upper
84 100
49 153.4 117.0 175.6
51 51.8 34.9 52.3
86 63.0 49.8 74.6

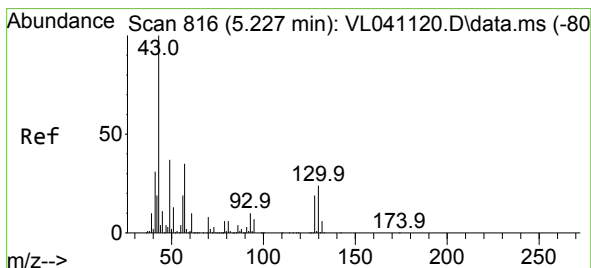
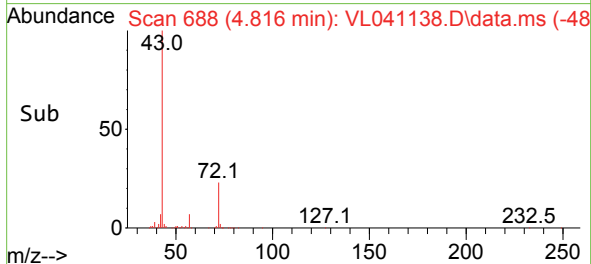
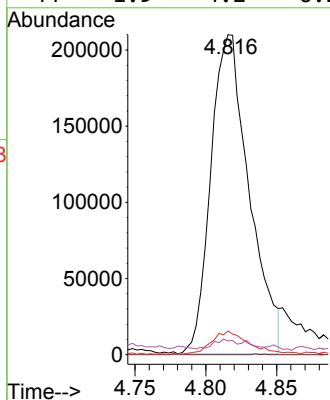
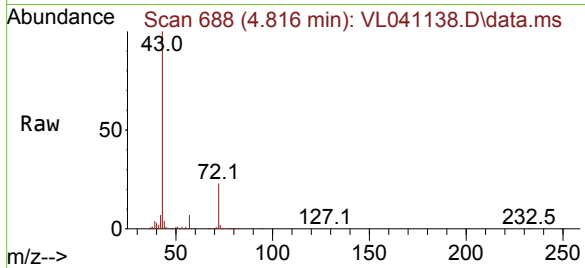




#23
 Vinyl Acetate
 Concen: 2.538 ppbv
 RT: 4.816 min Scan# 61
 Delta R.T. 0.167 min
 Lab File: VL041138.D
 Acq: 4 Apr 2024 23:31

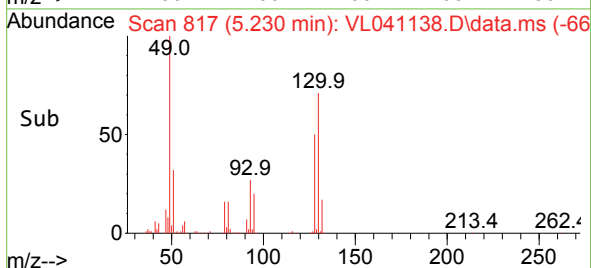
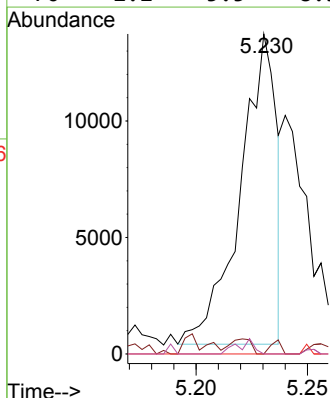
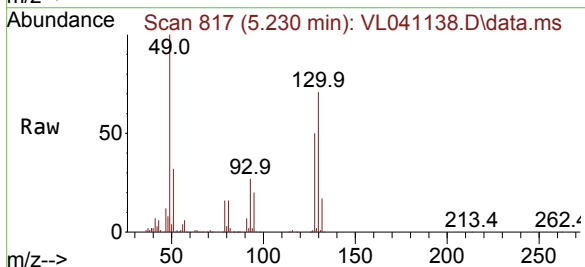
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

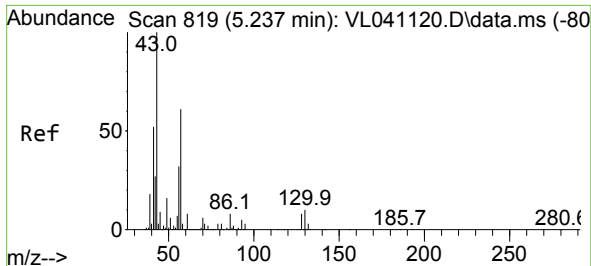
Tgt Ion: 43 Resp: 395057
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.4 8.2#
 42 7.2 8.0 12.0#
 44 1.9 4.2 6.2#



#25
 Ethyl Acetate
 Concen: 0.053 ppbv
 RT: 5.230 min Scan# 817
 Delta R.T. 0.003 min
 Lab File: VL041138.D
 Acq: 4 Apr 2024 23:31

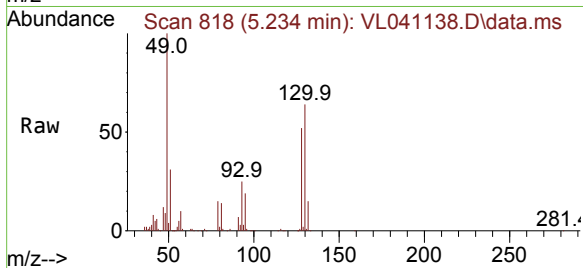
Tgt Ion: 43 Resp: 15045
 Ion Ratio Lower Upper
 43 100
 45 3.6 8.2 12.2#
 61 0.0 8.2 12.2#
 70 2.2 5.5 8.3#





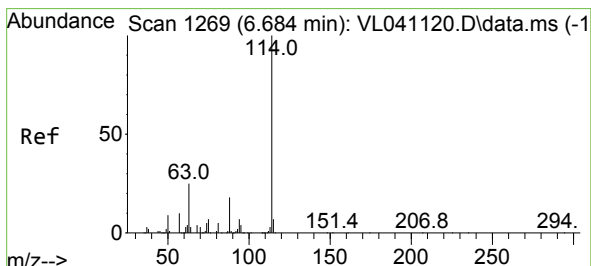
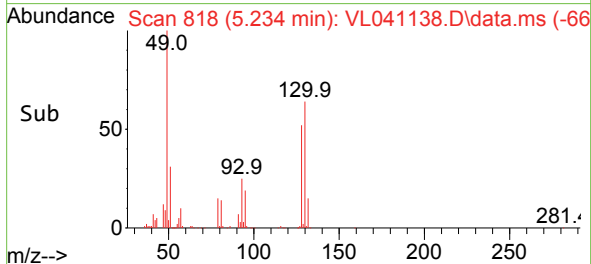
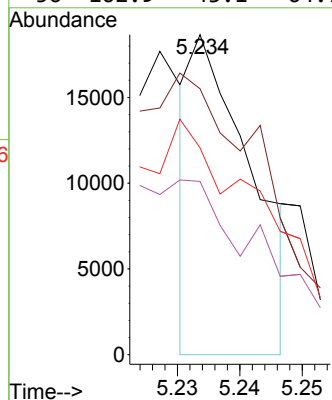
#26
Hexane
Concen: 0.098 ppbv
RT: 5.234 min Scan# 819
Delta R.T. -0.003 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Instrument :
MSVOA_L
ClientSampleId :
SV4DL



Tgt Ion: 57 Resp: 12443

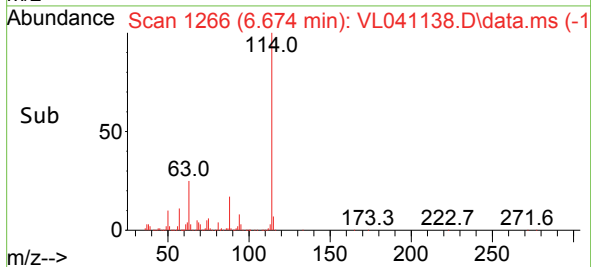
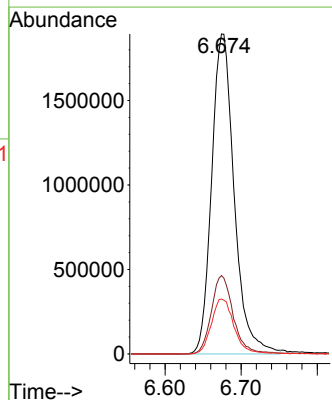
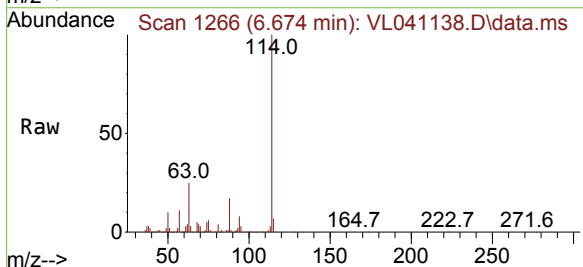
Ion	Ratio	Lower	Upper
57	100		
41	274.0	73.8	110.6#
43	190.0	184.2	276.2
56	162.9	43.1	64.7#

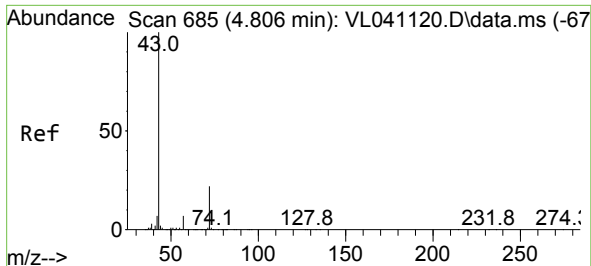


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.010 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 114 Resp: 3893544

Ion	Ratio	Lower	Upper
114	100		
63	24.1	21.0	31.6
88	17.4	14.6	22.0

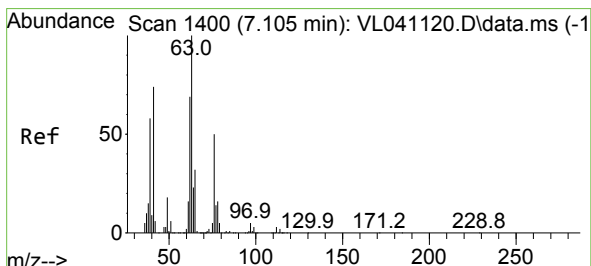
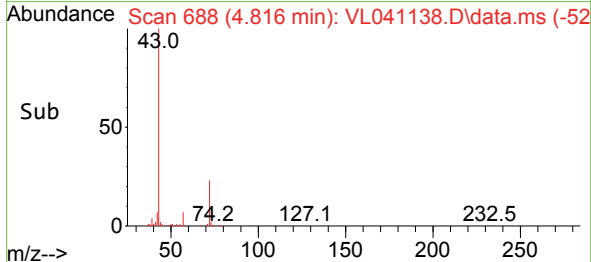
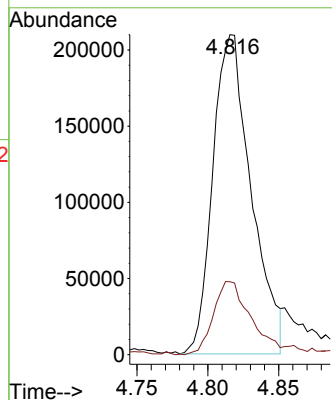
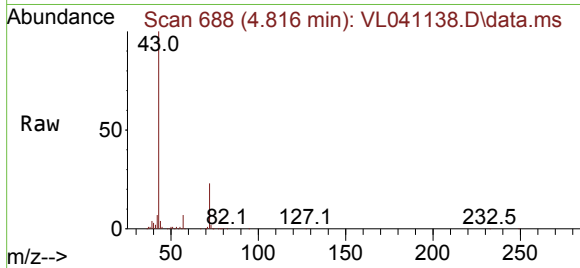




#34
2-Butanone
Concen: 2.349 ppbv
RT: 4.816 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

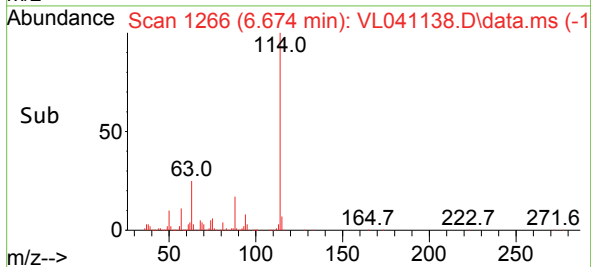
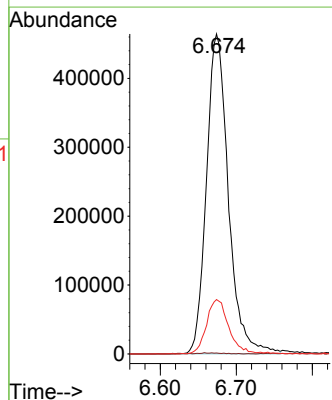
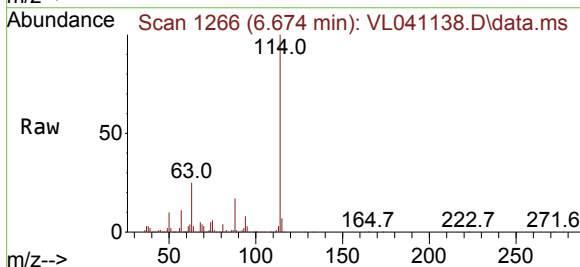
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

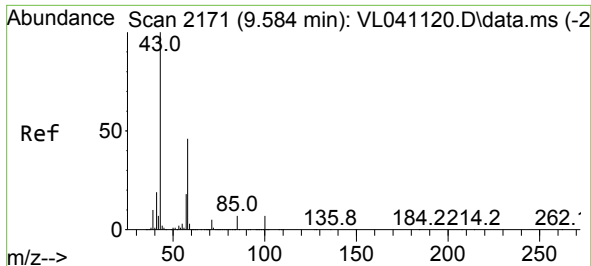
Tgt Ion: 43 Resp: 395057
Ion Ratio Lower Upper
43 100
72 25.4 17.4 26.0



#39
1,2-Dichloropropane
Concen: 8.194 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.431 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 63 Resp: 928942
Ion Ratio Lower Upper
63 100
41 0.3 62.2 93.4#
62 17.0 57.0 85.4#

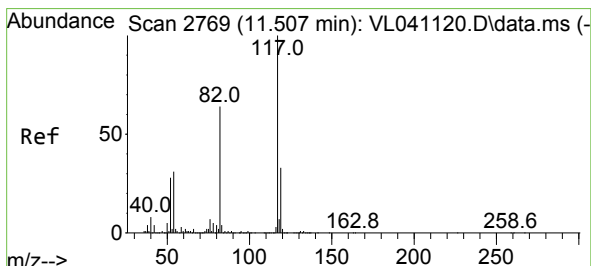
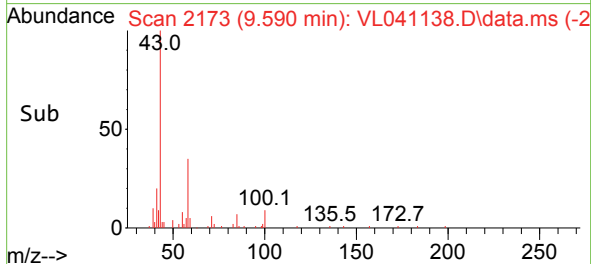
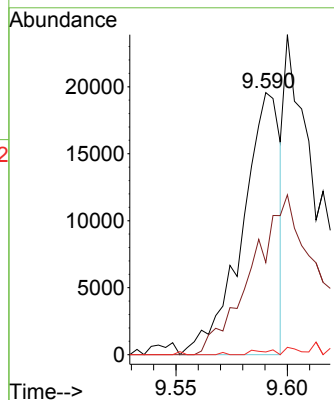
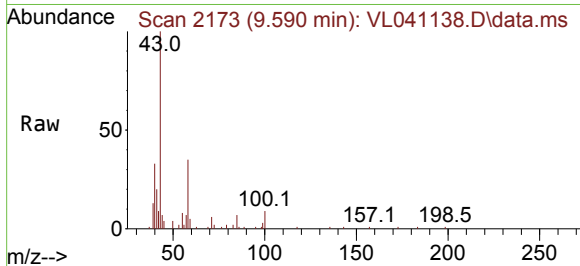




#51
2-Hexanone
Concen: 0.116 ppbv
RT: 9.590 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

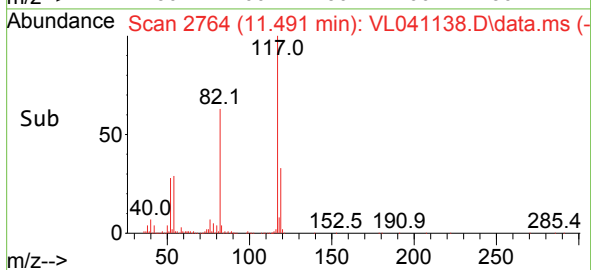
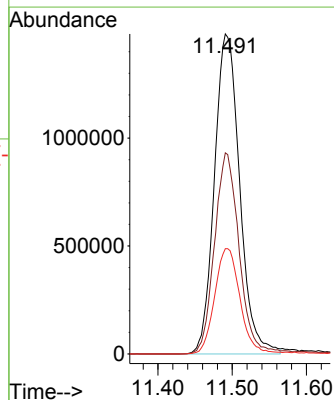
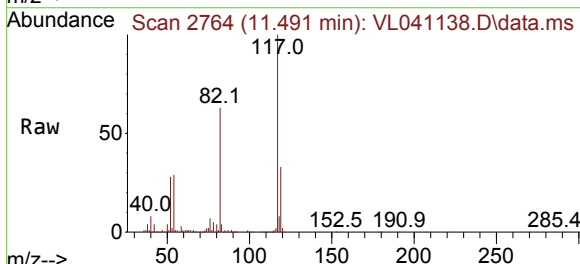
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

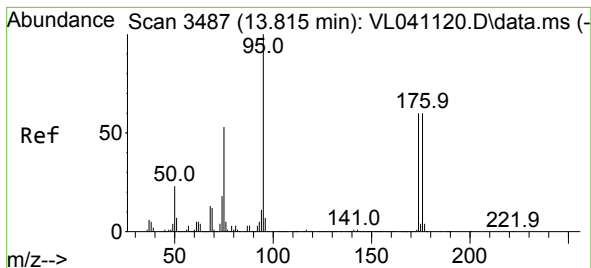
Tgt Ion: 43 Resp: 23154
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.2#
98 0.0 0.4 0.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.016 min
Lab File: VL041138.D
Acq: 4 Apr 2024 23:31

Tgt Ion: 117 Resp: 3507298
Ion Ratio Lower Upper
117 100
82 62.6 51.4 77.2
119 33.5 23.7 35.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.479 ppbv

RT: 13.799 min Scan# 3487

Delta R.T. -0.016 min

Lab File: VL041138.D

Acq: 4 Apr 2024 23:31

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

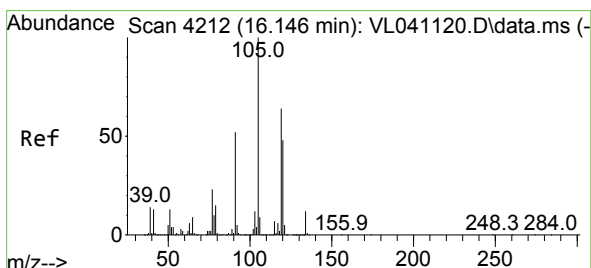
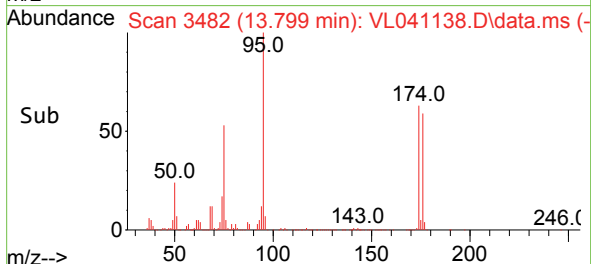
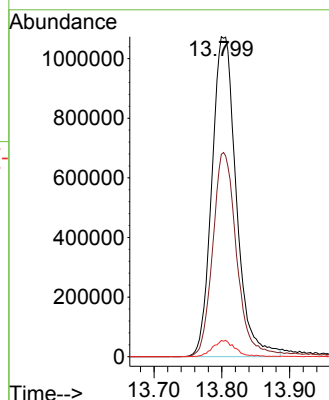
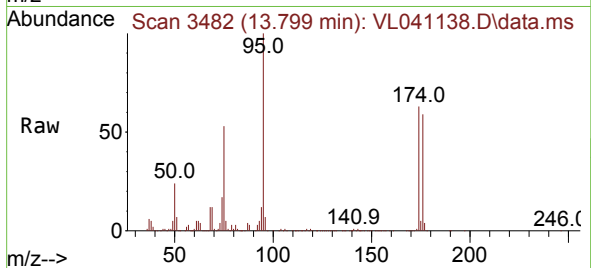
Tgt Ion: 95 Resp: 2684341

Ion Ratio Lower Upper

95 100

174 64.4 47.8 71.8

175 4.9 3.5 5.3



#74

1,2,4-Trimethylbenzene

Concen: 0.035 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. -0.006 min

Lab File: VL041138.D

Acq: 4 Apr 2024 23:31

Tgt Ion: 105 Resp: 13045

Ion Ratio Lower Upper

105 100

120 32.1 40.4 60.6#

91 13.1 41.4 62.0#

77 31.4 19.0 28.4#

