

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041170.D
 Acq On : 25 Apr 2024 14:33
 Operator : SY/MD
 Sample : P2253-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Apr 26 03:13:25 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 26 03:09:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1284527	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3397147	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3038803	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2370908	9.703	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%

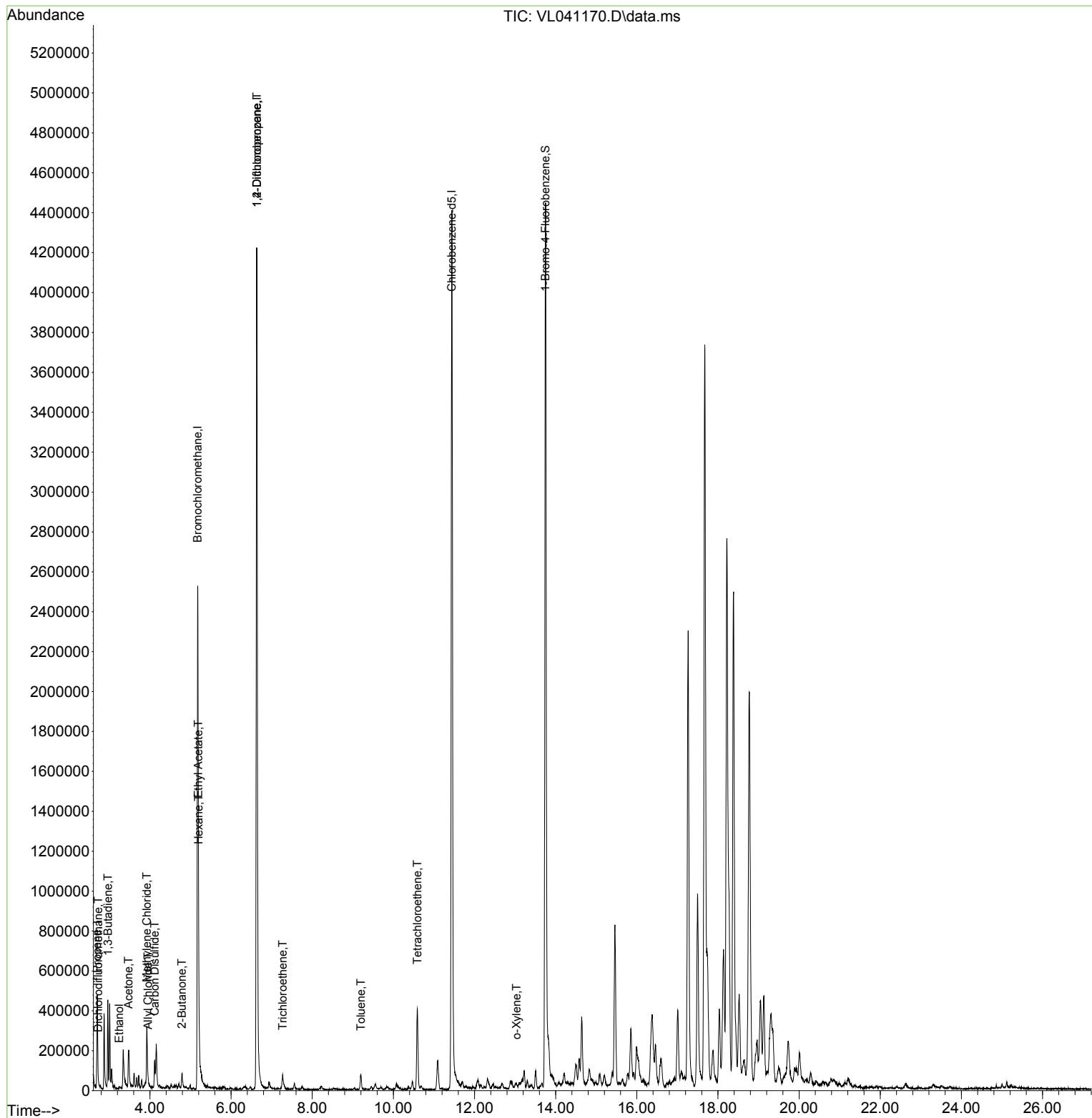
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.725	85	6609	0.030	ppbv	89
9) Propene	2.697	41	139891	2.223	ppbv #	75
13) Ethanol	3.240	45	2516	0.168	ppbv #	38
15) Acetone	3.468	43	193879	1.394	ppbv #	84
16) 1,3-Butadiene	2.963	39	110741	1.622	ppbv #	15
20) Methylene Chloride	3.925	84	101077	1.762	ppbv	92
21) Allyl Chloride	3.951	41	2809	0.033	ppbv #	1
25) Ethyl Acetate	5.195	43	73517	0.281	ppbv #	78
26) Hexane	5.198	57	99482	0.849	ppbv #	42
27) Carbon Disulfide	4.118	76	151063	1.052	ppbv #	89
34) 2-Butanone	4.790	43	87516	0.609	ppbv	95
38) Trichloroethene	7.272	130	15197	0.169	ppbv #	85
39) 1,2-Dichloropropane	6.635	63	786100	7.992	ppbv #	23
52) Tetrachloroethene	10.590	164	99375	1.248	ppbv	92
53) Toluene	9.201	91	53161	0.202	ppbv	97
60) o-Xylene	13.034	91	9199	0.032	ppbv #	31

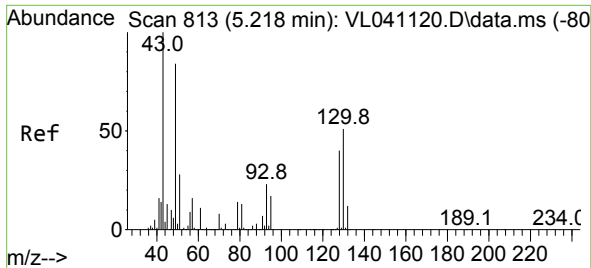
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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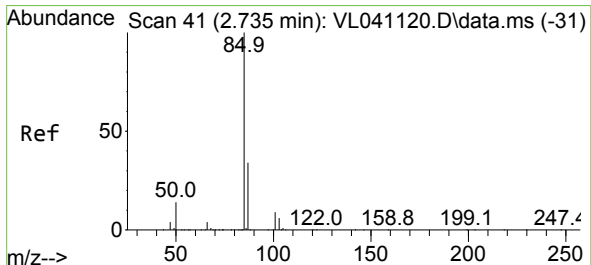
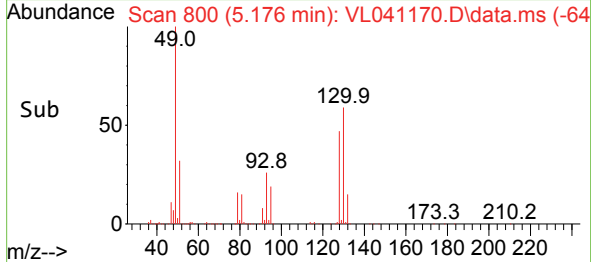
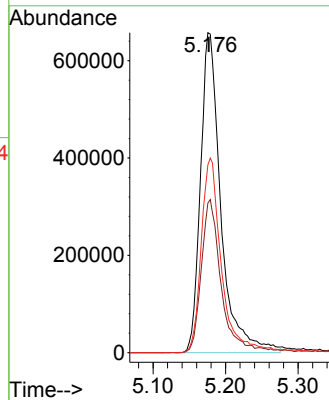
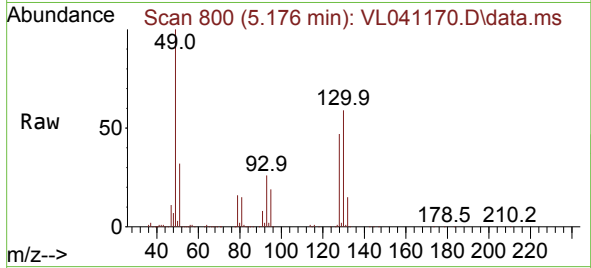




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041170.D
 Acq: 25 Apr 2024 14:33

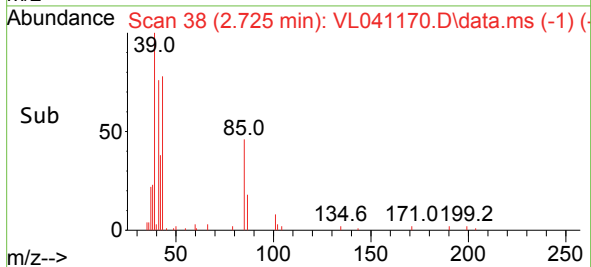
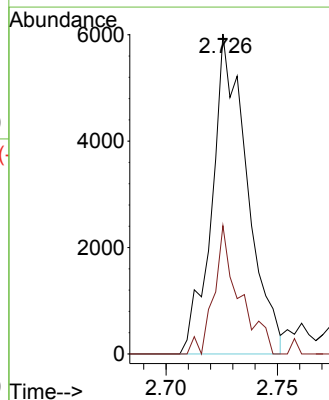
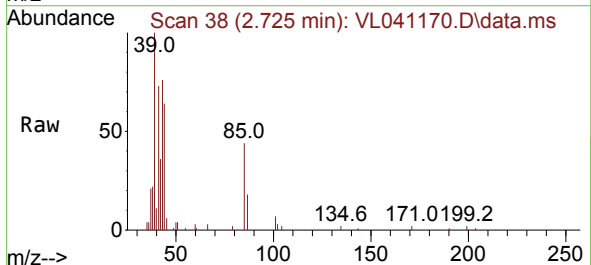
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

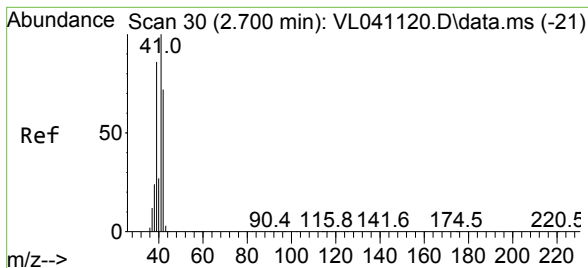
Tgt Ion: 49 Resp: 1284527
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.6 71.0
 130 62.4 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.030 ppbv
 RT: 2.725 min Scan# 38
 Delta R.T. -0.003 min
 Lab File: VL041170.D
 Acq: 25 Apr 2024 14:33

Tgt Ion: 85 Resp: 6609
 Ion Ratio Lower Upper
 85 100
 87 40.1 27.0 40.6





#9

Propene

Concen: 2.223 ppbv

RT: 2.697 min Scan# 24

Delta R.T. 0.003 min

Lab File: VL041170.D

Acq: 25 Apr 2024 14:33

Instrument :

MSVOA_L

ClientSampleId :

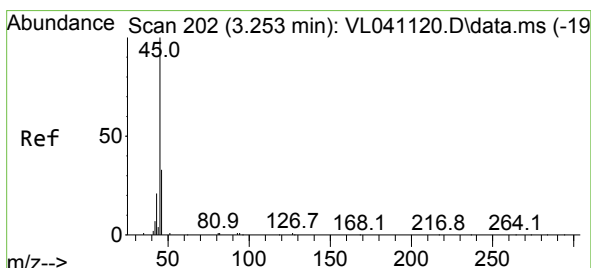
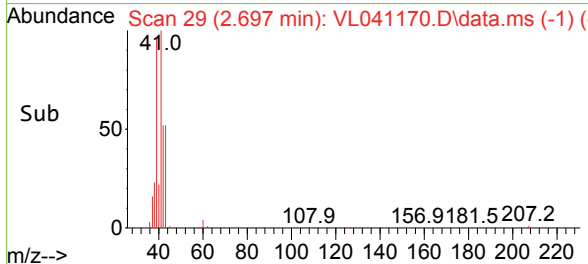
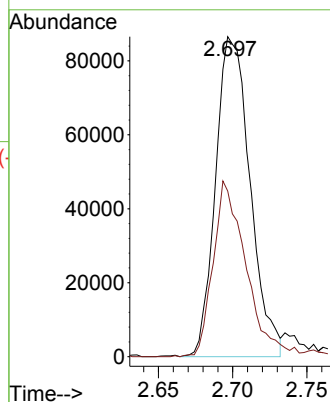
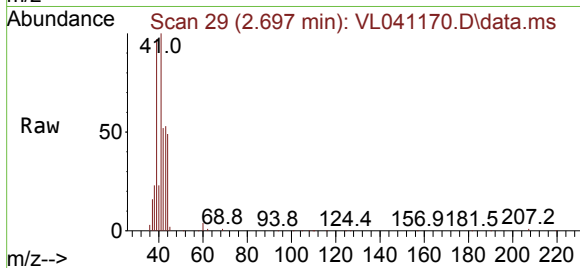
SV1DL

Tgt Ion: 41 Resp: 139891

Ion Ratio Lower Upper

41 100

42 54.2 60.1 90.1#



#13

Ethanol

Concen: 0.168 ppbv

RT: 3.240 min Scan# 198

Delta R.T. 0.006 min

Lab File: VL041170.D

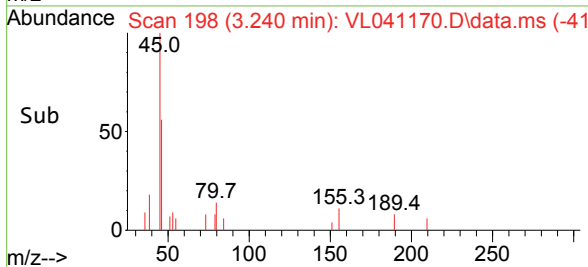
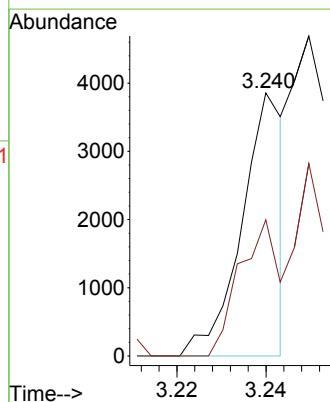
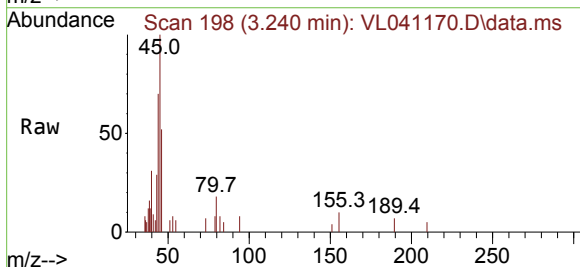
Acq: 25 Apr 2024 14:33

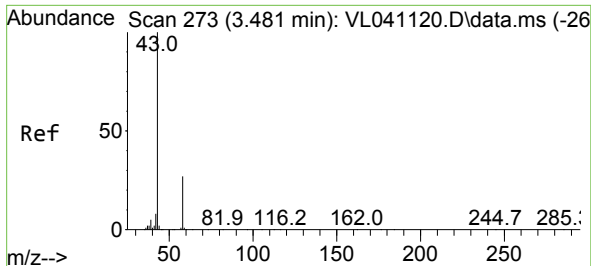
Tgt Ion: 45 Resp: 2516

Ion Ratio Lower Upper

45 100

46 0.0 15.0 59.8#

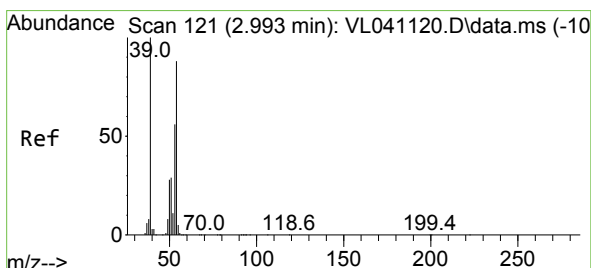
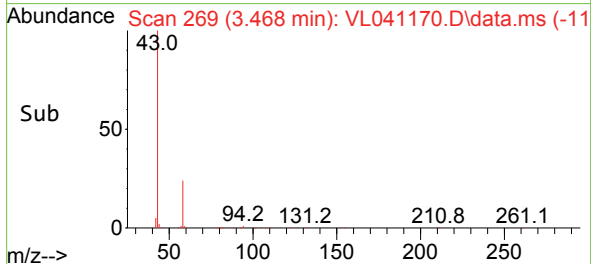
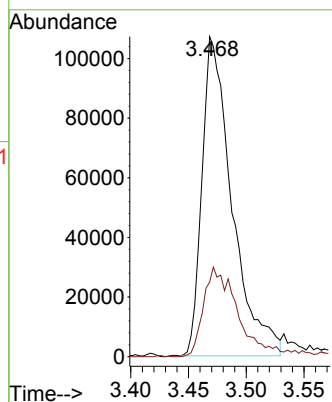
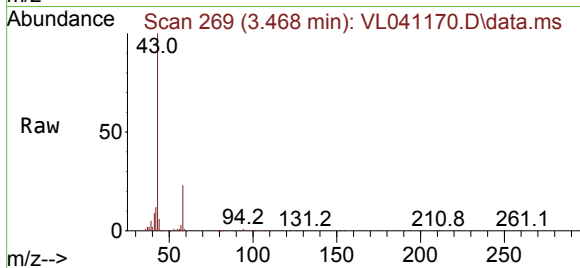




#15
Acetone
Concen: 1.394 ppbv
RT: 3.468 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

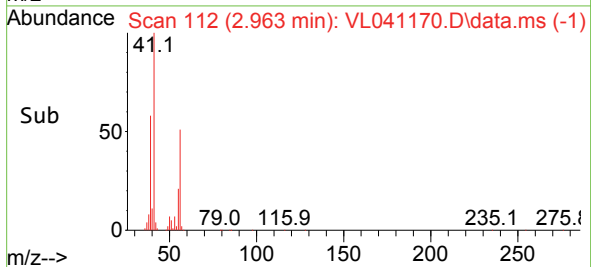
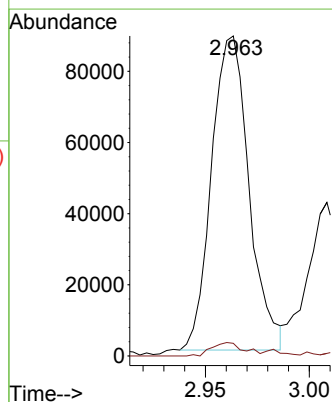
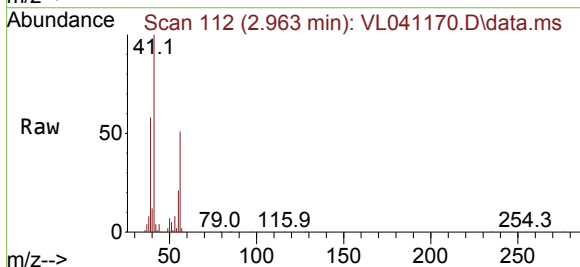
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

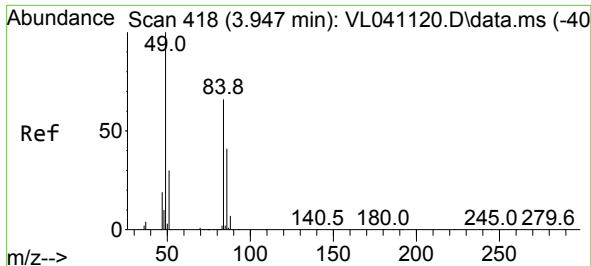
Tgt Ion: 43 Resp: 193879
Ion Ratio Lower Upper
43 100
58 34.8 21.1 31.7#



#16
1,3-Butadiene
Concen: 1.622 ppbv
RT: 2.963 min Scan# 112
Delta R.T. -0.019 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion: 39 Resp: 110741
Ion Ratio Lower Upper
39 100
54 4.9 63.5 95.3#

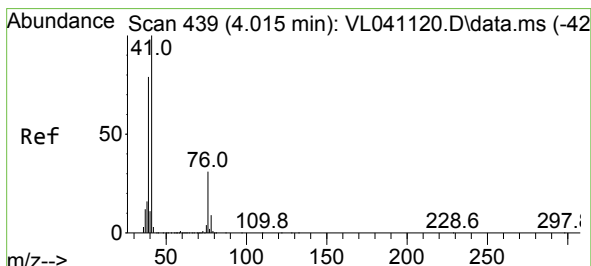
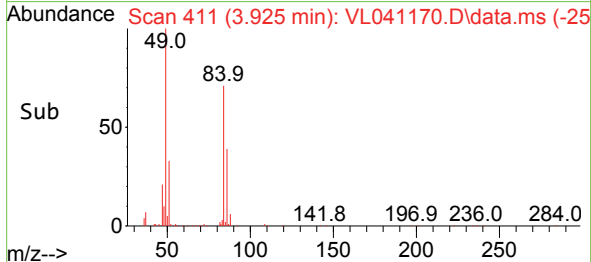
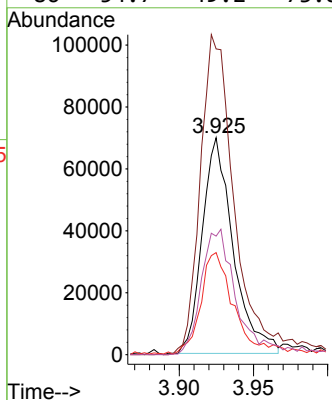
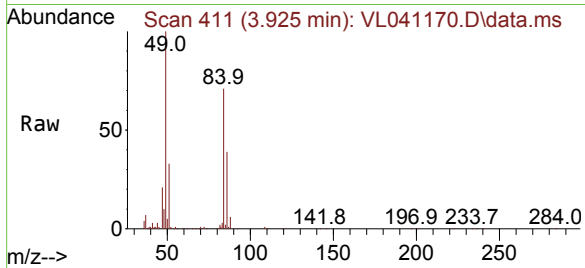




#20
Methylene Chloride
Concen: 1.762 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.000 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

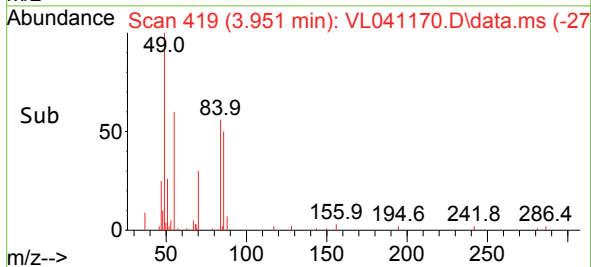
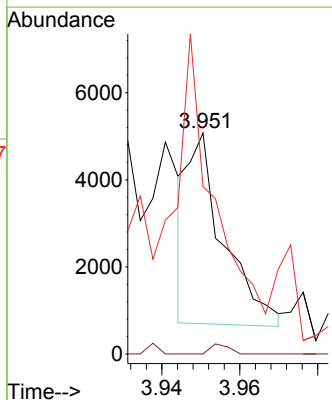
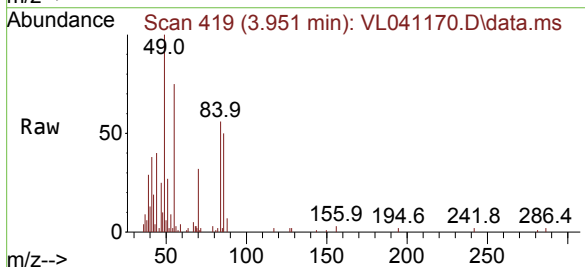
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

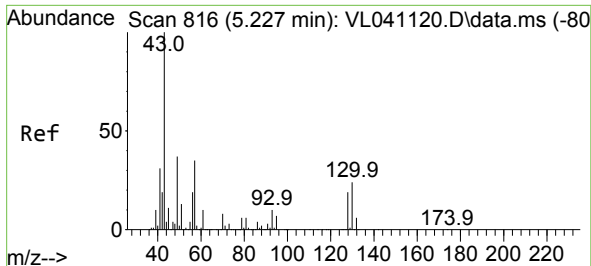
Tgt Ion: 84 Resp: 101077
Ion Ratio Lower Upper
84 100
49 138.9 120.7 181.1
51 45.8 36.6 54.8
86 54.7 49.2 73.8



#21
Allyl Chloride
Concen: 0.033 ppbv
RT: 3.951 min Scan# 419
Delta R.T. -0.035 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion: 41 Resp: 2809
Ion Ratio Lower Upper
41 100
76 0.0 25.7 38.5#
39 270.3 65.7 98.5#

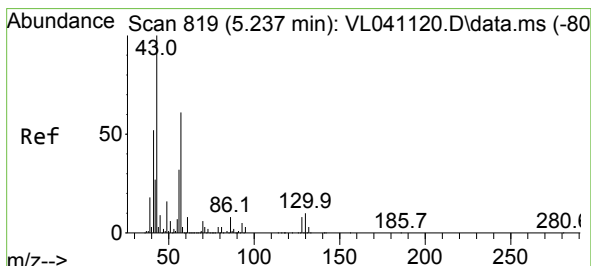
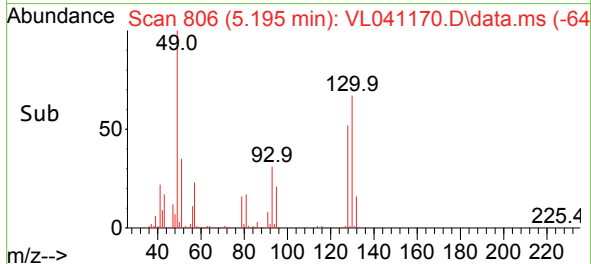
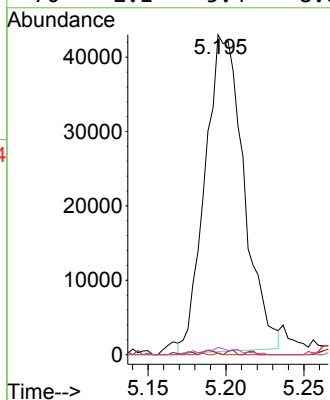
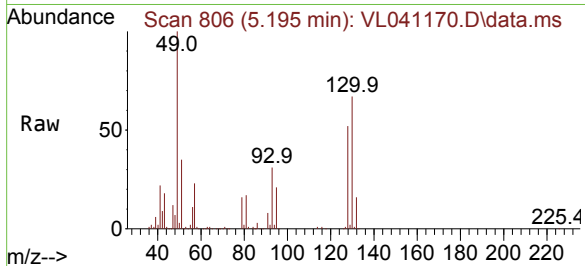




#25
Ethyl Acetate
Concen: 0.281 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.006 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

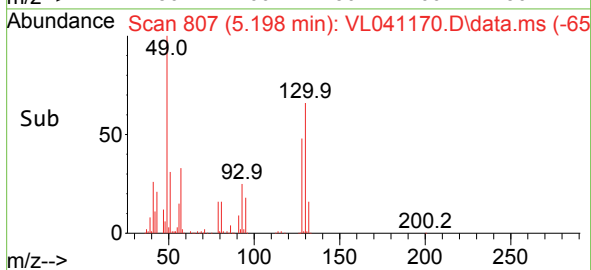
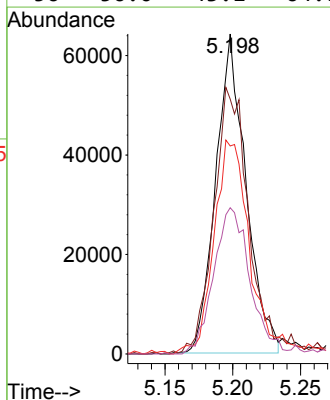
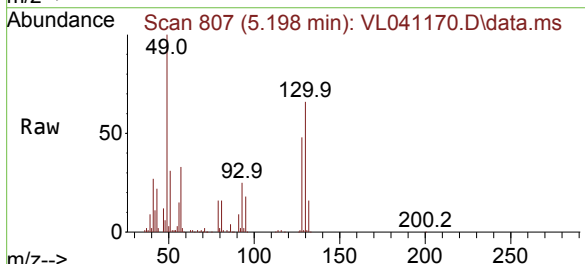
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

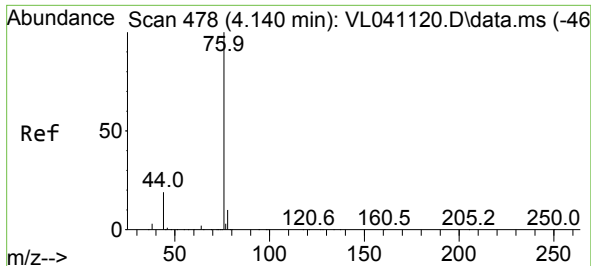
Tgt Ion:	43	Resp:	73517
Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.0	12.0#
61	0.0	7.8	11.6#
70	2.1	5.4	8.0#



#26
Hexane
Concen: 0.849 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion:	57	Resp:	99482
Ion	Ratio	Lower	Upper
57	100		
41	99.6	73.8	110.8
43	82.8	186.2	279.2#
56	56.0	43.1	64.7

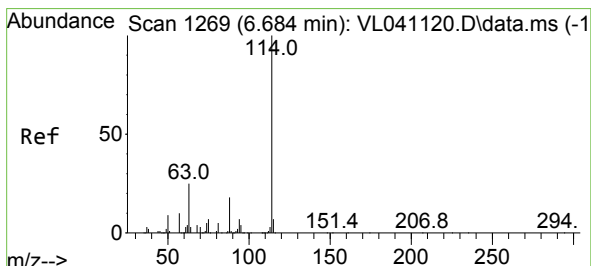
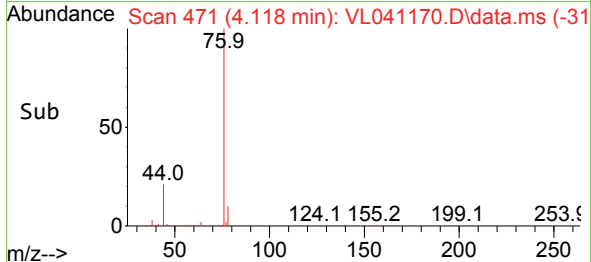
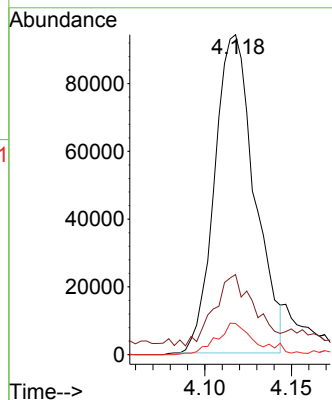
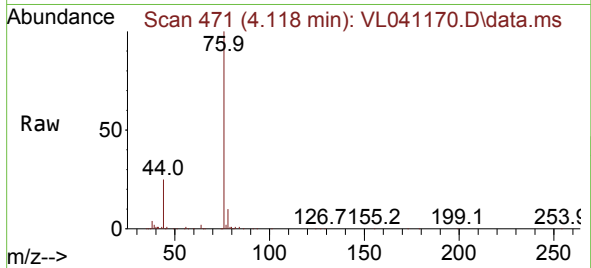




#27
Carbon Disulfide
Concen: 1.052 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

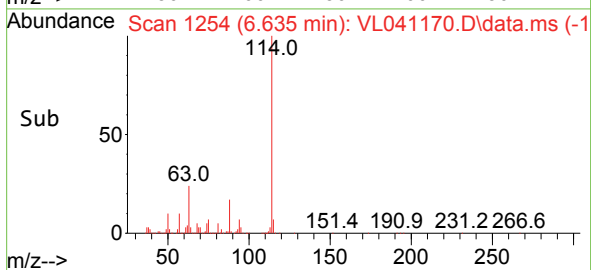
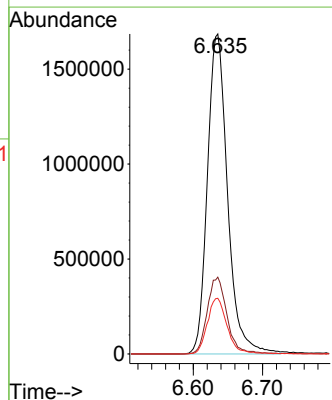
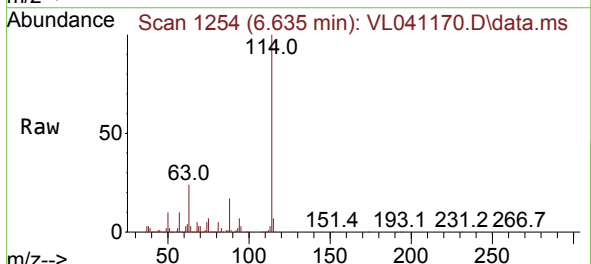
Instrument :
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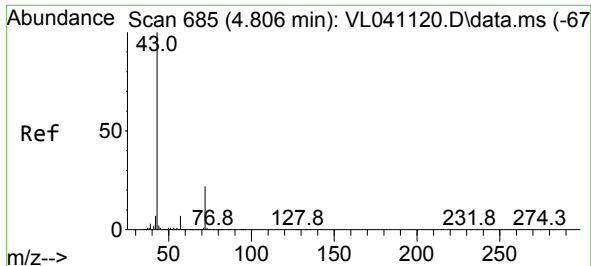
Tgt Ion: 76 Resp: 151063
Ion Ratio Lower Upper
76 100
44 27.5 16.3 24.5#
78 11.0 7.9 11.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion: 114 Resp: 3397147
Ion Ratio Lower Upper
114 100
63 23.8 20.9 31.3
88 17.3 14.5 21.7

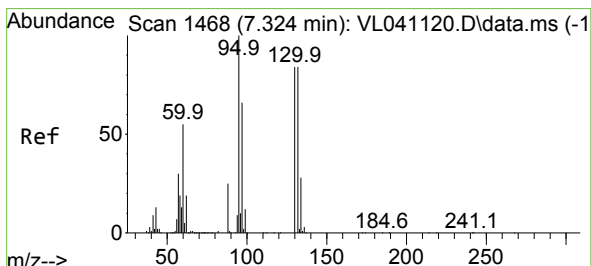
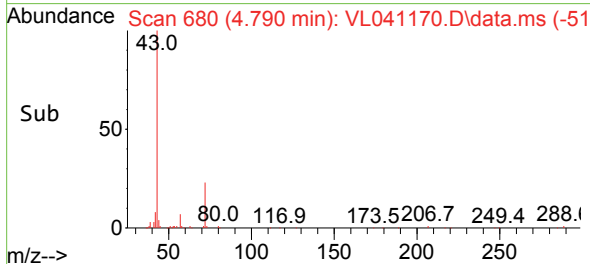
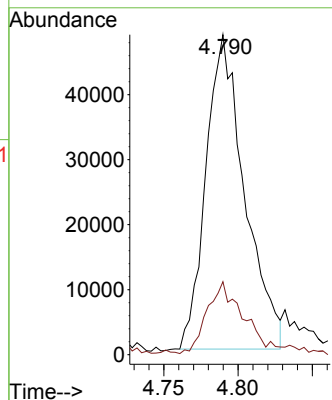
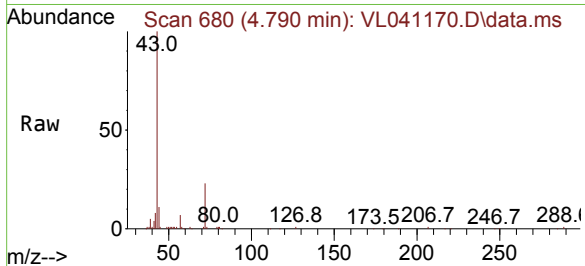




#34
2-Butanone
Concen: 0.609 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

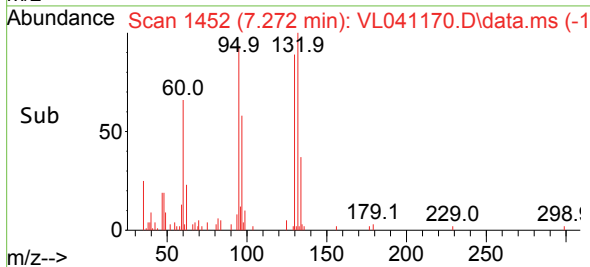
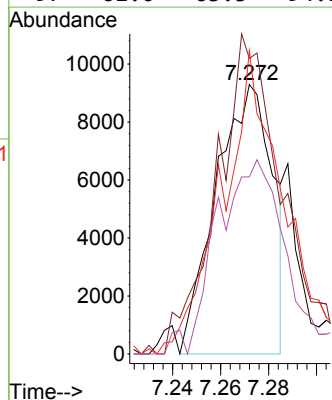
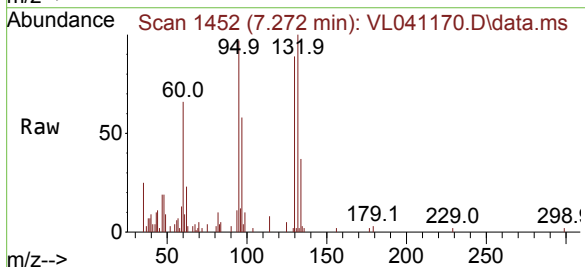
Instrument :
MSVOA_L
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SV1DL

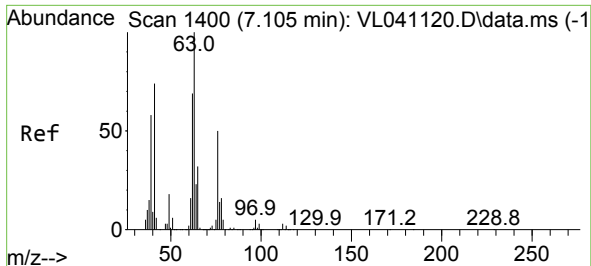
Tgt Ion: 43 Resp: 87516
Ion Ratio Lower Upper
43 100
72 24.4 17.6 26.4



#38
Trichloroethene
Concen: 0.169 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion:130 Resp: 15197
Ion Ratio Lower Upper
130 100
95 96.4 95.4 143.0
132 104.7 80.0 120.0
97 61.0 63.3 94.9#





#39

1,2-Dichloropropane

Concen: 7.992 ppbv

RT: 6.635 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL041170.D

Acq: 25 Apr 2024 14:33

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

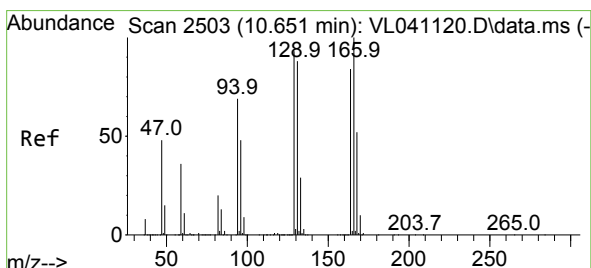
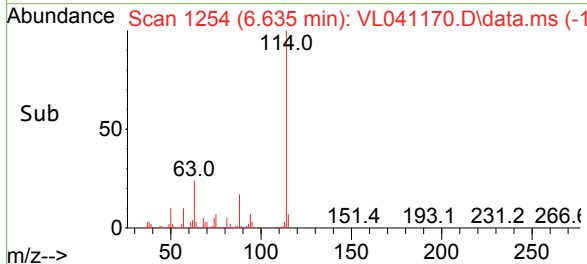
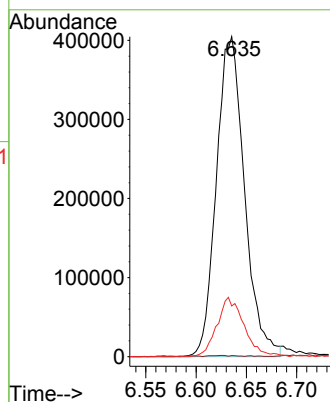
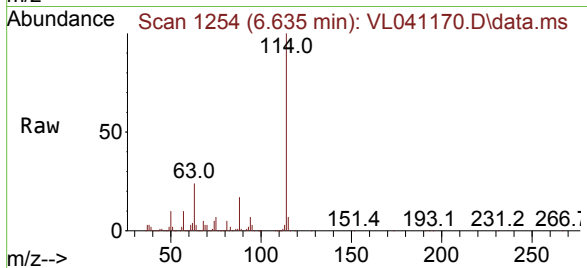
Tgt Ion: 63 Resp: 786100

Ion Ratio Lower Upper

63 100

41 0.2 58.7 88.1#

62 15.9 55.5 83.3#



#52

Tetrachloroethene

Concen: 1.248 ppbv

RT: 10.590 min Scan# 2484

Delta R.T. -0.000 min

Lab File: VL041170.D

Acq: 25 Apr 2024 14:33

Tgt Ion:164 Resp: 99375

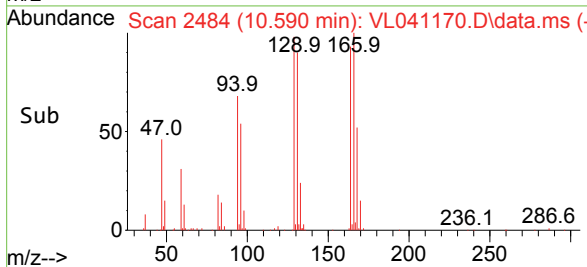
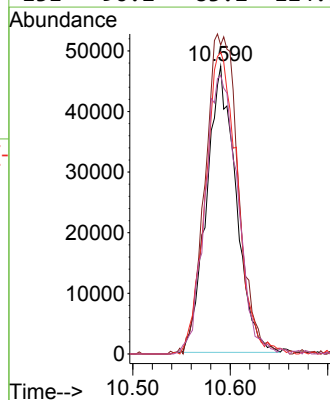
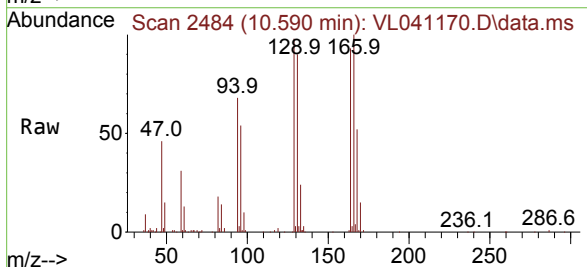
Ion Ratio Lower Upper

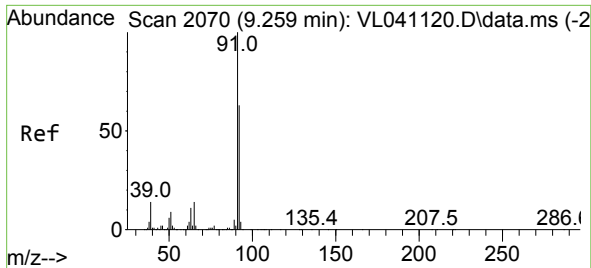
164 100

166 106.2 95.0 142.6

129 105.5 88.7 133.1

131 96.2 83.2 124.8





#53

Toluene

Concen: 0.202 ppbv

RT: 9.201 min Scan# 2070

Delta R.T. 0.003 min

Lab File: VL041170.D

Acq: 25 Apr 2024 14:33

Instrument :

MSVOA_L

ClientSampleId :

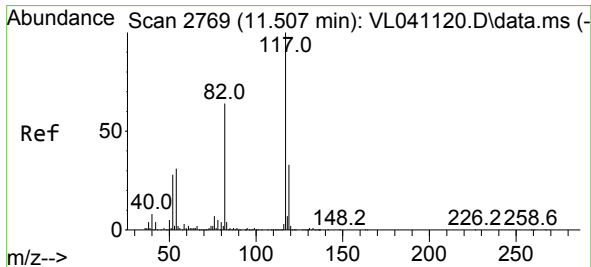
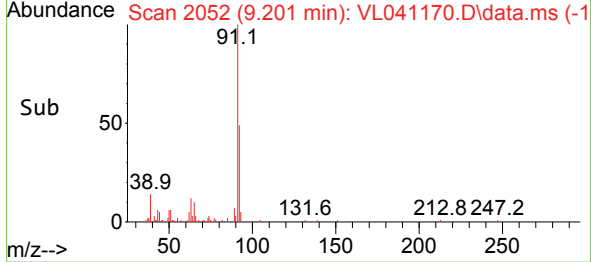
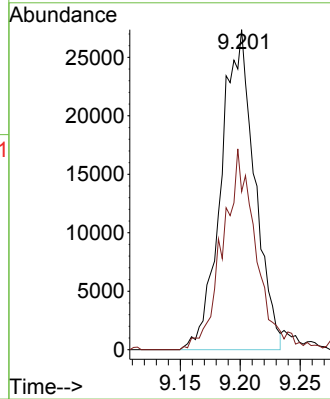
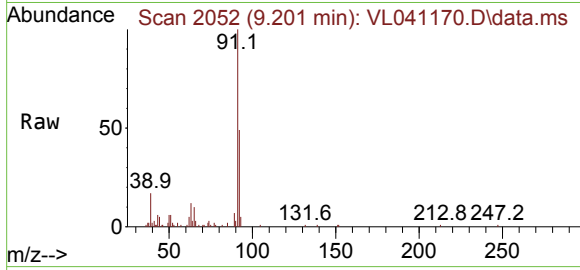
SV1DL

Tgt Ion: 91 Resp: 53161

Ion Ratio Lower Upper

91 100

92 63.1 49.0 73.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.439 min Scan# 2748

Delta R.T. -0.003 min

Lab File: VL041170.D

Acq: 25 Apr 2024 14:33

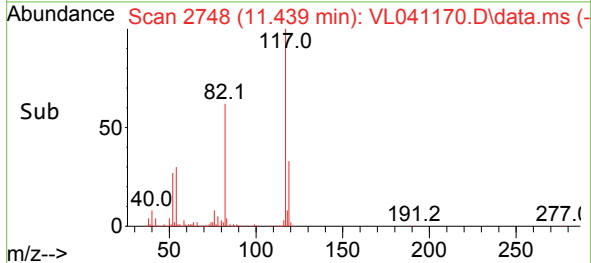
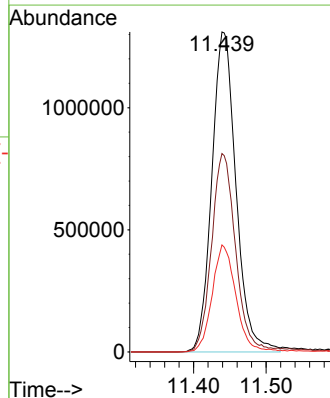
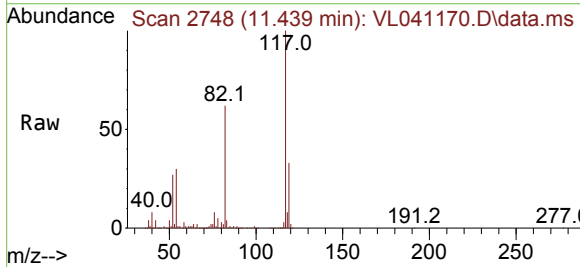
Tgt Ion: 117 Resp: 3038803

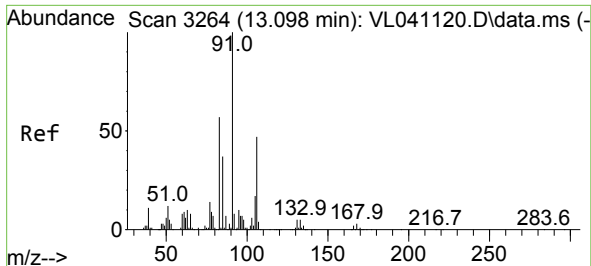
Ion Ratio Lower Upper

117 100

82 62.9 51.0 76.6

119 33.2 25.2 37.8

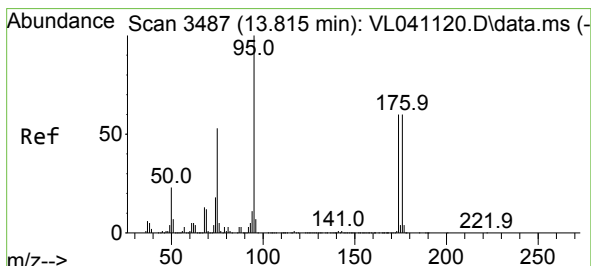
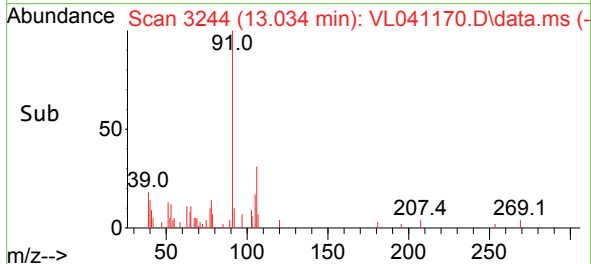
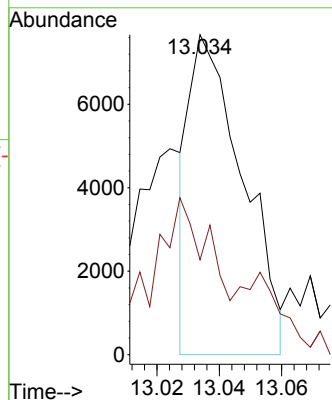
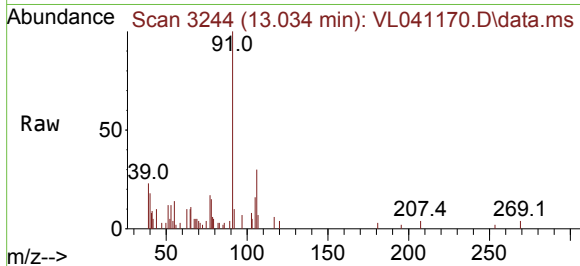




#60
o-Xylene
Concen: 0.032 ppbv
RT: 13.034 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 9199
Ion Ratio Lower Upper
91 100
106 0.0 22.9 68.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.703 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. -0.000 min
Lab File: VL041170.D
Acq: 25 Apr 2024 14:33

Tgt Ion: 95 Resp: 2370908
Ion Ratio Lower Upper
95 100
174 62.5 49.3 73.9
175 4.9 3.6 5.4

