

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041222.D
 Acq On : 6 May 2024 17:39
 Operator : SY/MD
 Sample : P2334-11DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA03-20240425DL

Quant Time: May 07 05:26:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	921771	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2384820	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2187524	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1657347	10.036	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

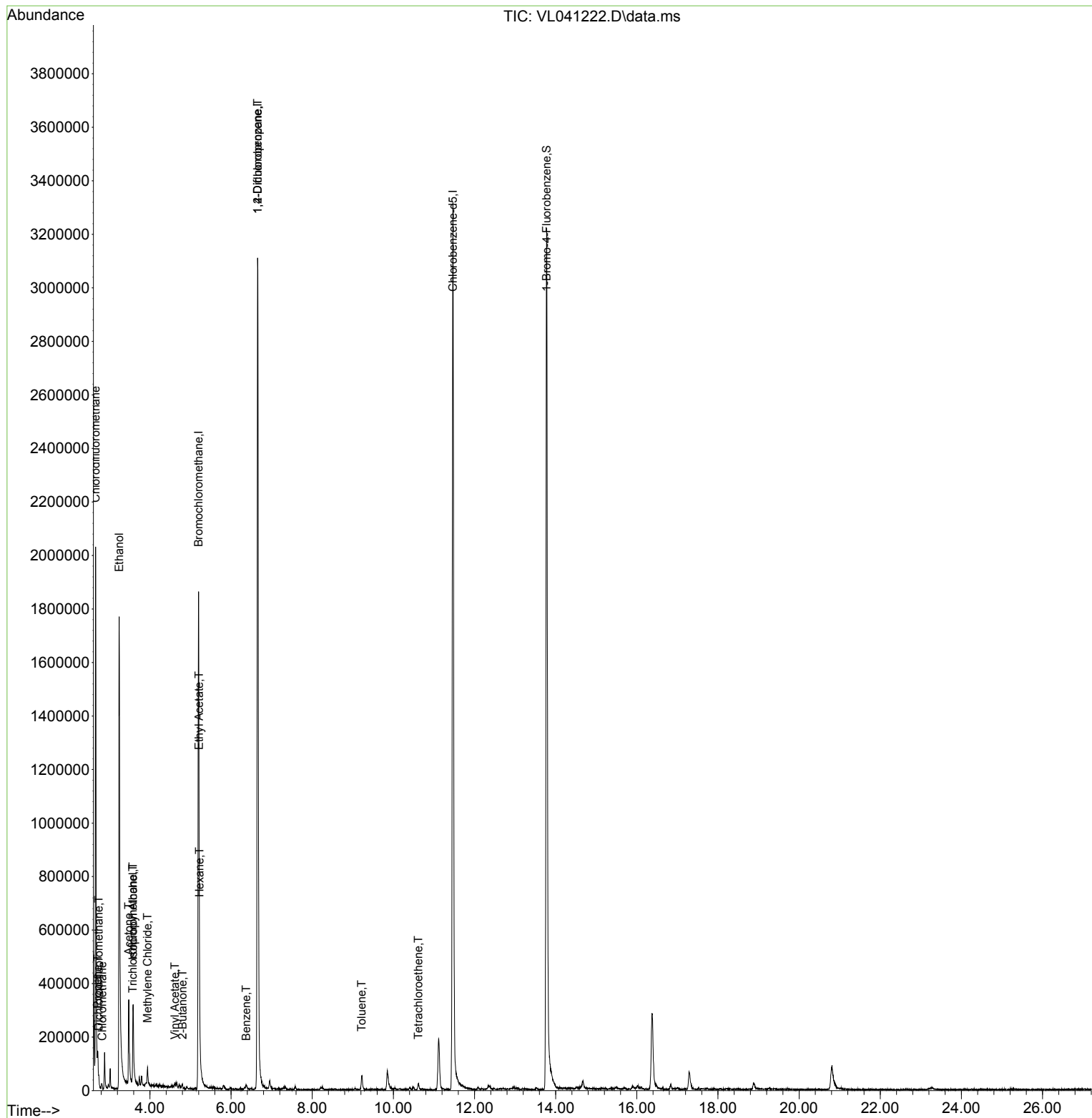
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.738	85	15522	0.124	ppbv	93
3) Chlorodifluoromethane	2.661	51	1169583	8.354	ppbv #	60
4) Chloromethane	2.822	50	6959	0.127	ppbv	90
9) Propene	2.709	41	19751	0.361	ppbv #	82
11) Trichlorofluoromethane	3.574	101	6866	0.054	ppbv	85
13) Ethanol	3.243	45	1882826	153.305	ppbv	99
15) Acetone	3.478	43	315371	2.899	ppbv	99
19) Isopropyl Alcohol	3.584	45	312867	4.383	ppbv #	45
20) Methylene Chloride	3.941	84	21334	0.564	ppbv #	90
23) Vinyl Acetate	4.619	43	7212	0.060	ppbv #	68
25) Ethyl Acetate	5.211	43	99996	0.461	ppbv #	97
26) Hexane	5.221	57	29398	0.303	ppbv #	1
34) 2-Butanone	4.803	43	13162	0.108	ppbv #	78
36) Benzene	6.372	78	8436	0.042	ppbv #	89
39) 1,2-Dichloropropane	6.655	63	596406	7.733	ppbv #	24
52) Tetrachloroethene	10.616	164	2373	0.034	ppbv #	73
53) Toluene	9.217	91	16812	0.072	ppbv #	20

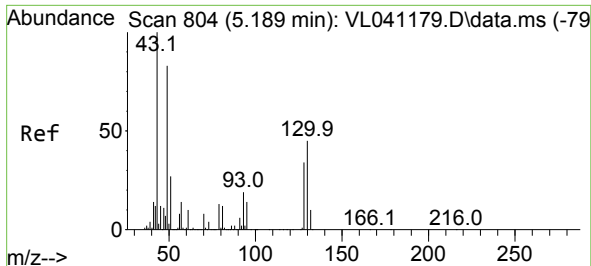
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 05:26:18 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue May 07 05:19:44 2024
Response via : Initial Calibration

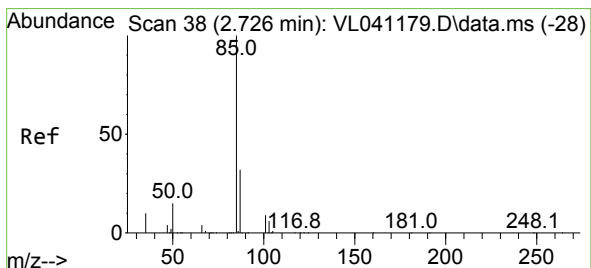
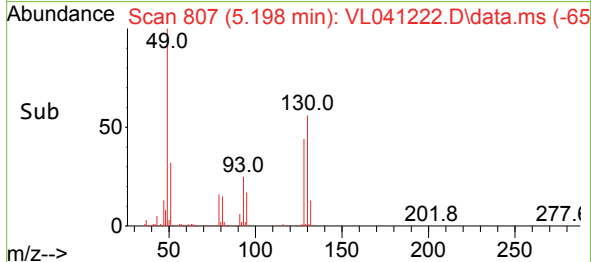
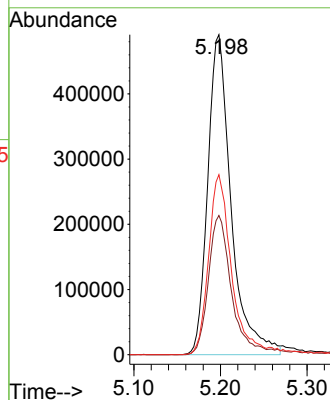
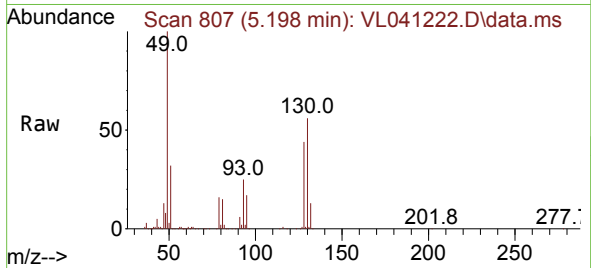




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

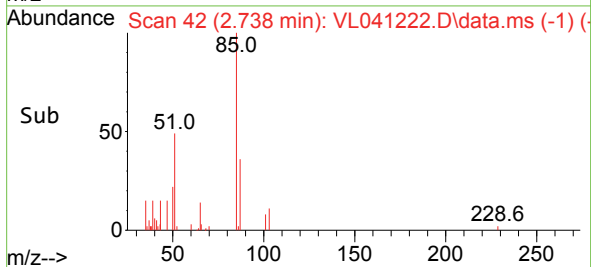
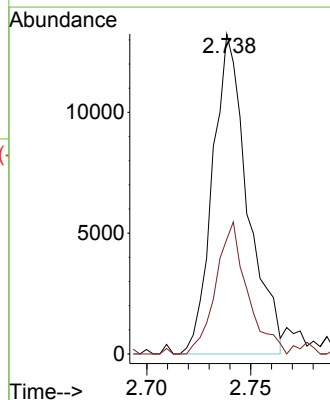
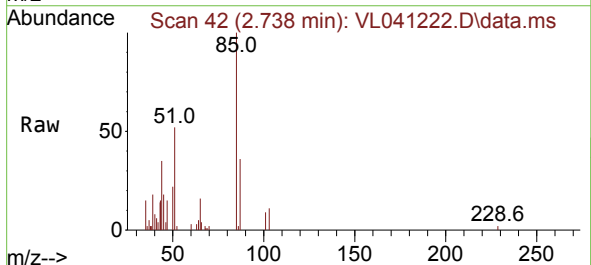
Instrument :
MSVOA_L
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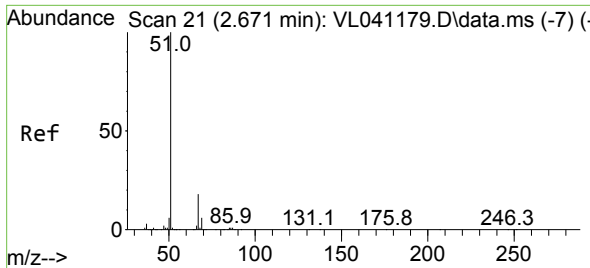
Tgt Ion: 49 Resp: 921771
Ion Ratio Lower Upper
49 100
128 45.1 21.5 64.5
130 57.4 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.000 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 85 Resp: 15522
Ion Ratio Lower Upper
85 100
87 35.8 25.7 38.5

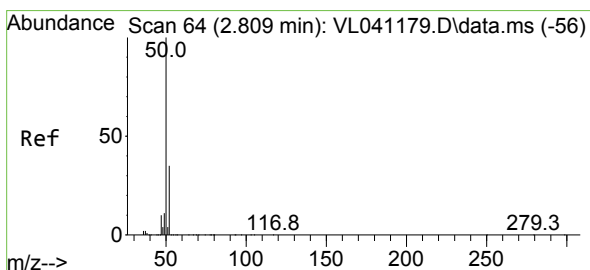
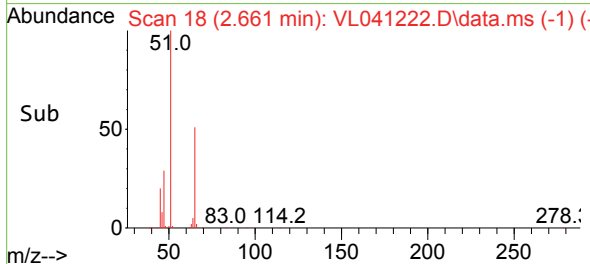
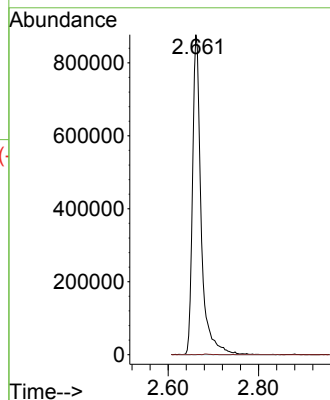
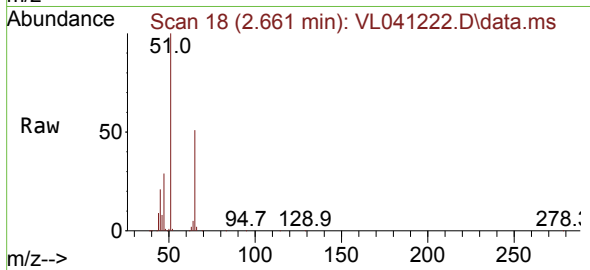




#3
Chlorodifluoromethane
Concen: 8.354 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

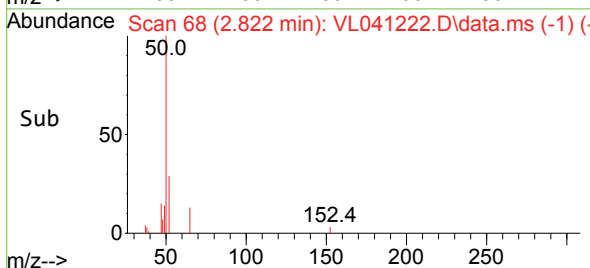
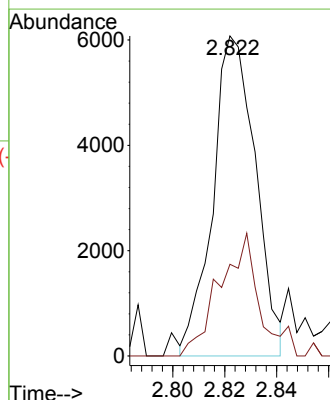
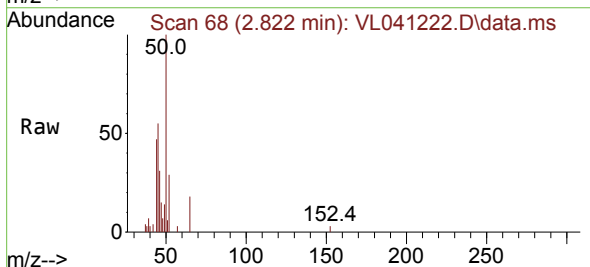
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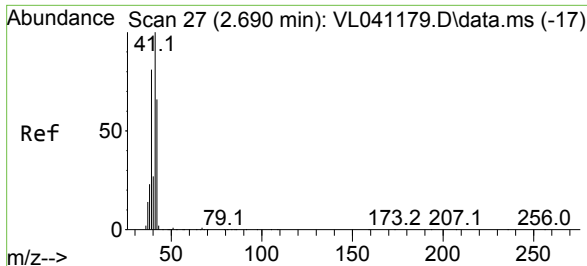
Tgt Ion: 51 Resp: 1169583
Ion Ratio Lower Upper
51 100
67 0.2 14.0 21.0#



#4
Chloromethane
Concen: 0.127 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.000 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 50 Resp: 6959
Ion Ratio Lower Upper
50 100
52 29.6 28.3 42.5

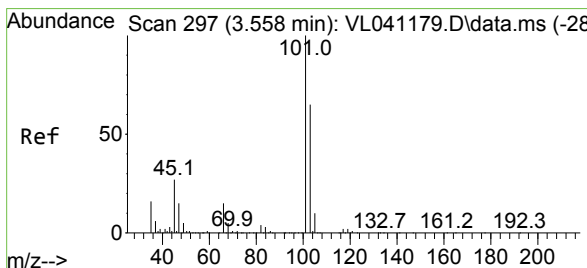
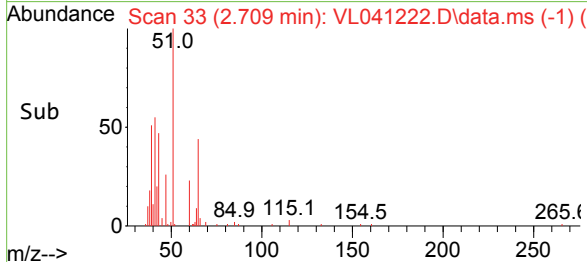
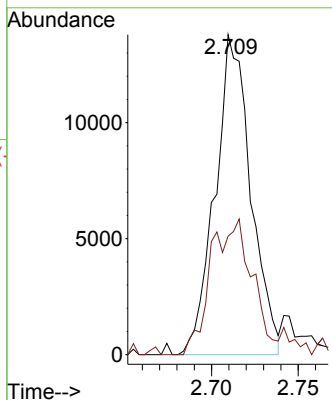
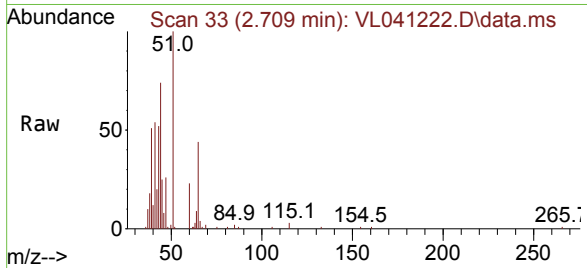




#9
Propene
Concen: 0.361 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

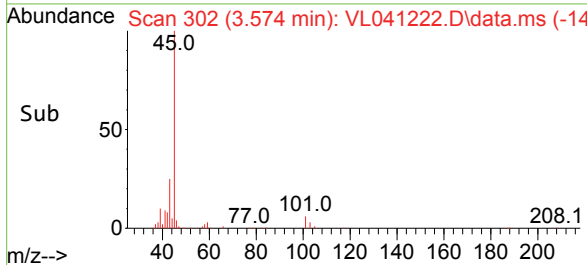
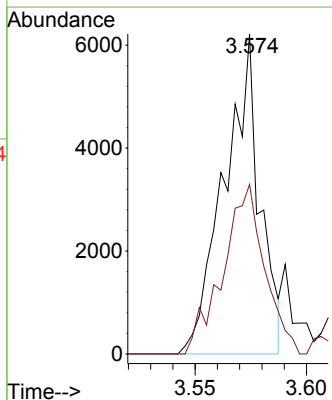
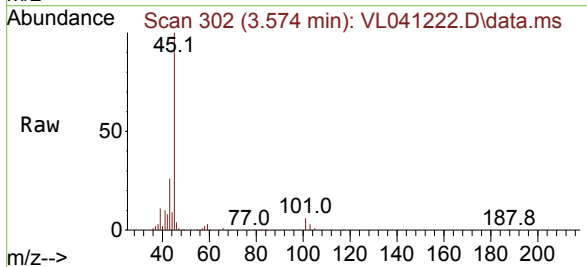
Instrument :
MSVOA_L
ClientSampleId :
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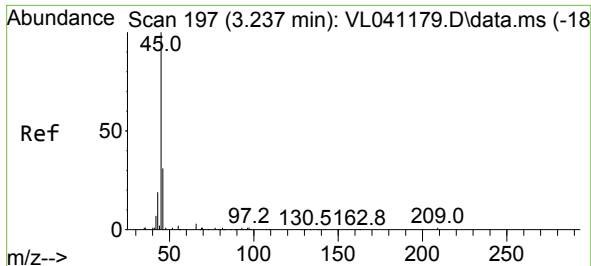
Tgt Ion: 41 Resp: 19751
Ion Ratio Lower Upper
41 100
42 54.1 55.3 82.9#



#11
Trichlorofluoromethane
Concen: 0.054 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.006 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 101 Resp: 6866
Ion Ratio Lower Upper
101 100
103 53.0 51.6 77.4

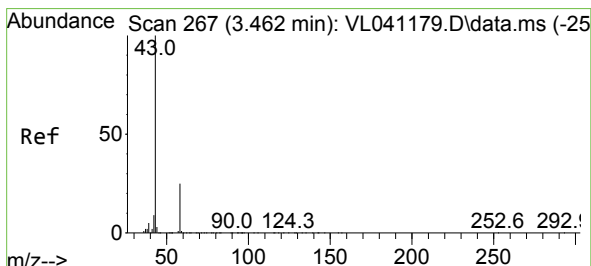
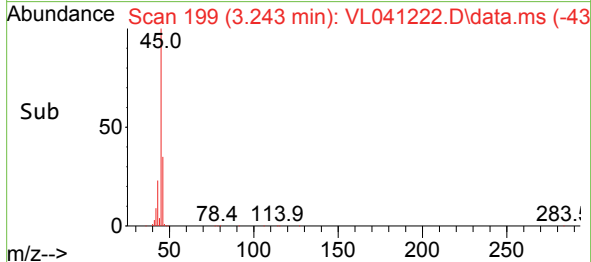
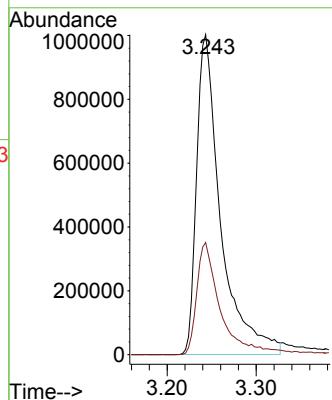
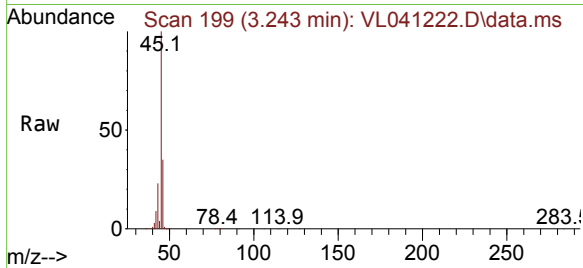




#13
Ethanol
Concen: 153.305 ppbv
RT: 3.243 min Scan# 197
Delta R.T. 0.000 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

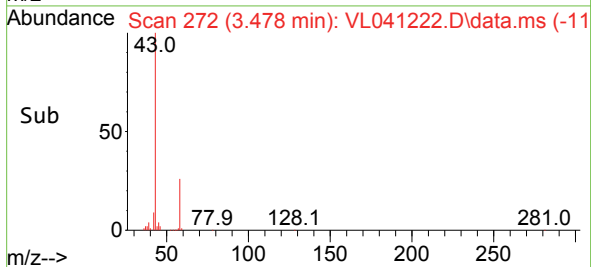
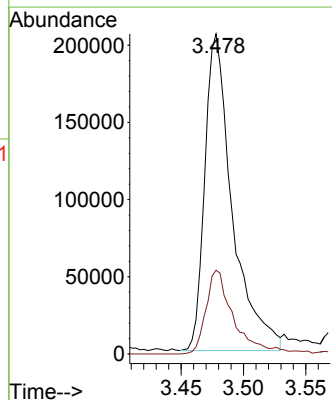
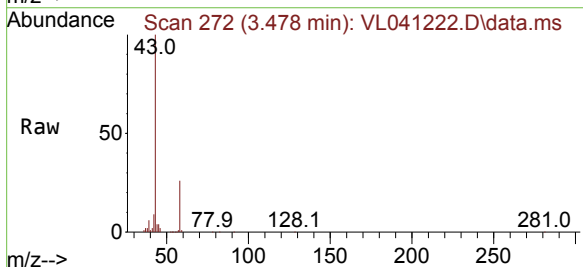
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ClientSampleId :
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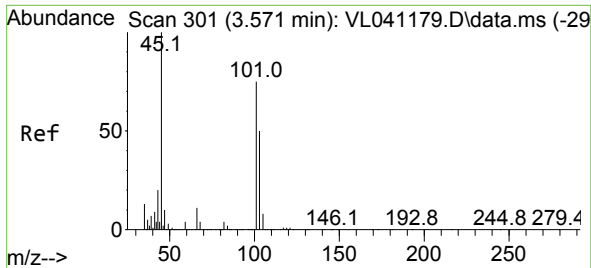
Tgt Ion: 45 Resp: 1882826
Ion Ratio Lower Upper
45 100
46 36.0 14.8 59.0



#15
Acetone
Concen: 2.899 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 43 Resp: 315371
Ion Ratio Lower Upper
43 100
58 27.0 21.4 32.0

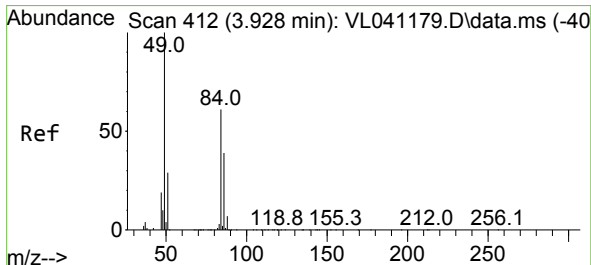
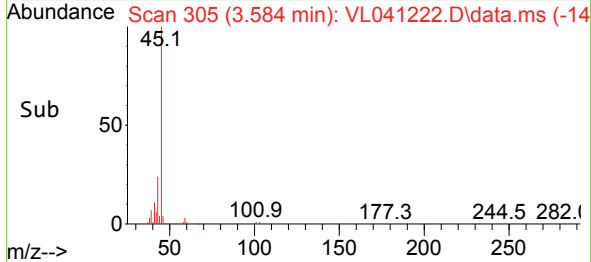
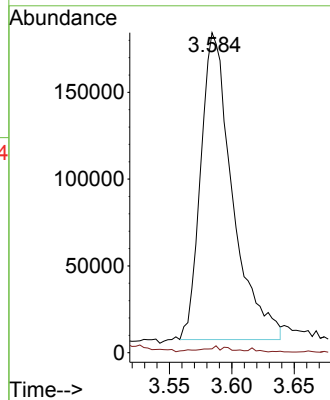
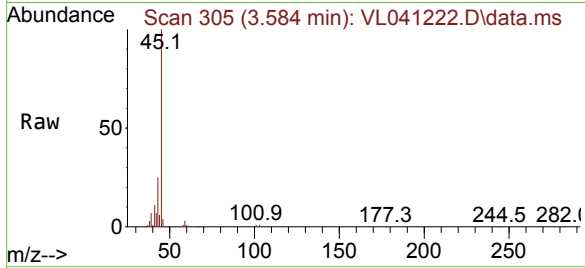




#19
Isopropyl Alcohol
Concen: 4.383 ppbv
RT: 3.584 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

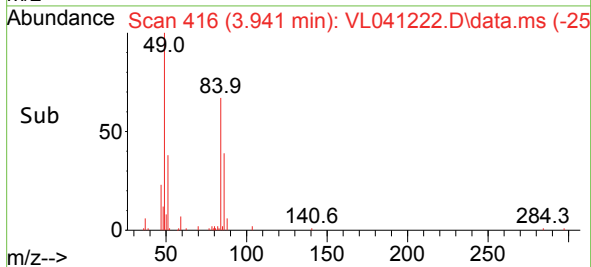
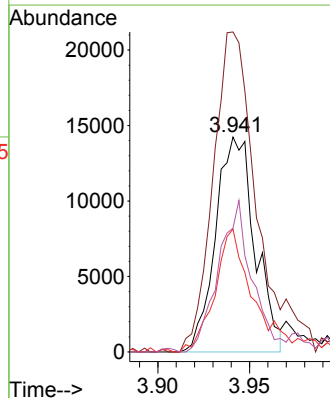
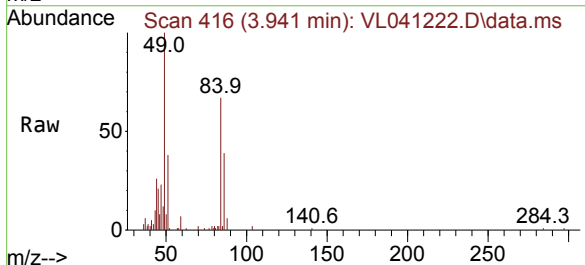
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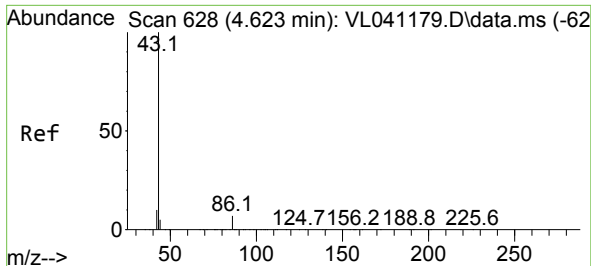
Tgt Ion: 45 Resp: 312867
Ion Ratio Lower Upper
45 100
58 2.2 26.8 40.2#



#20
Methylene Chloride
Concen: 0.564 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 84 Resp: 21334
Ion Ratio Lower Upper
84 100
49 148.9 130.4 195.6
51 57.2 38.0 57.0#
86 57.7 50.3 75.5

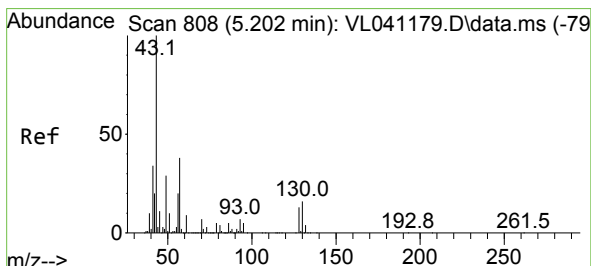
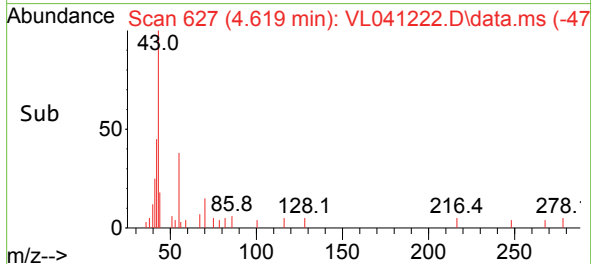
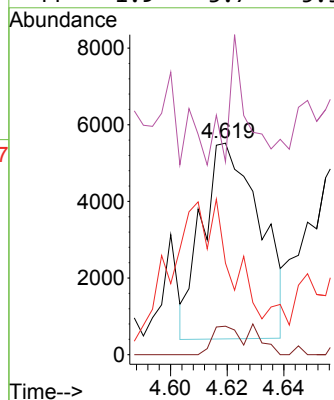
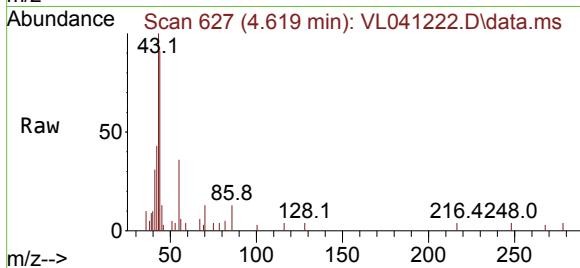




#23
 Vinyl Acetate
 Concen: 0.060 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL041222.D
 Acq: 6 May 2024 17:39

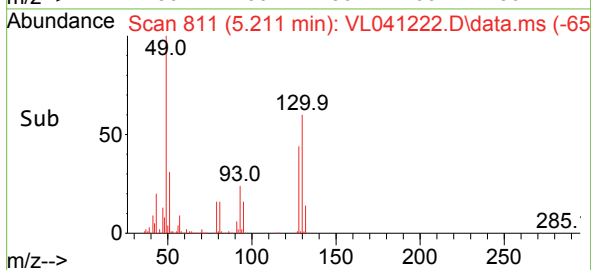
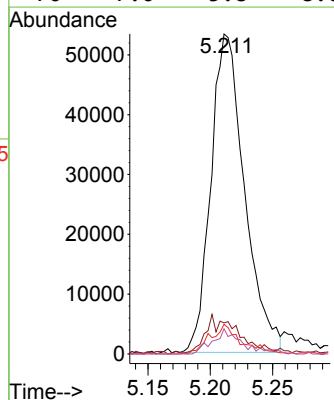
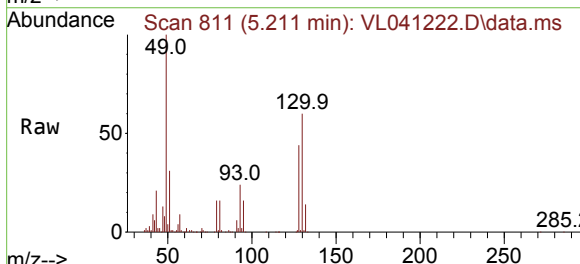
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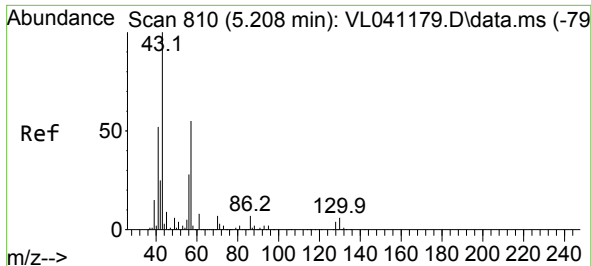
Tgt Ion: 43	Resp: 7212
Ion Ratio	Lower Upper
43 100	
86 17.7	4.9 7.3#
42 25.6	8.0 12.0#
44 1.9	3.7 5.5#



#25
 Ethyl Acetate
 Concen: 0.461 ppbv
 RT: 5.211 min Scan# 811
 Delta R.T. 0.006 min
 Lab File: VL041222.D
 Acq: 6 May 2024 17:39

Tgt Ion: 43	Resp: 99996
Ion Ratio	Lower Upper
43 100	
45 12.3	8.2 12.2#
61 8.6	7.7 11.5
70 7.0	5.8 8.6

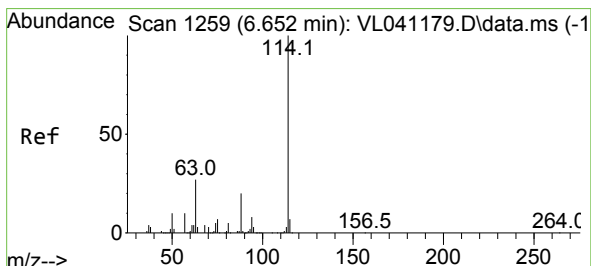
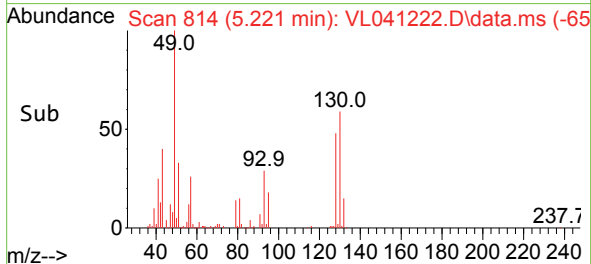
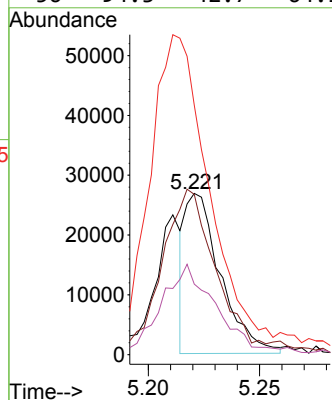
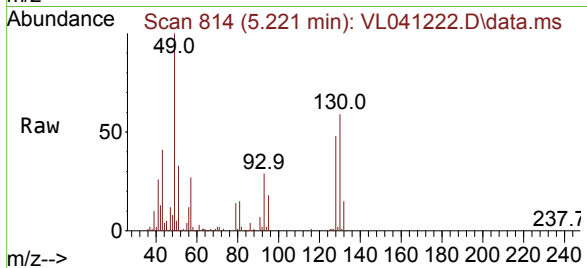




#26
Hexane
Concen: 0.303 ppbv
RT: 5.221 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

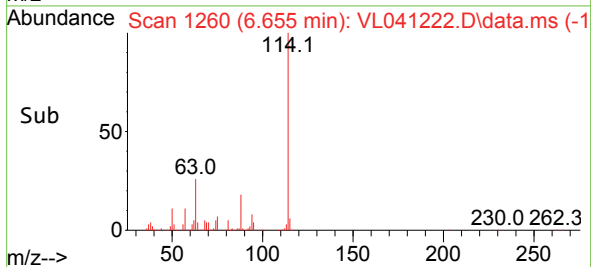
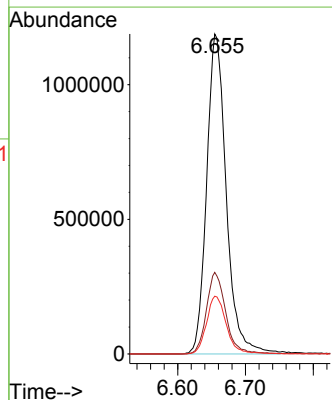
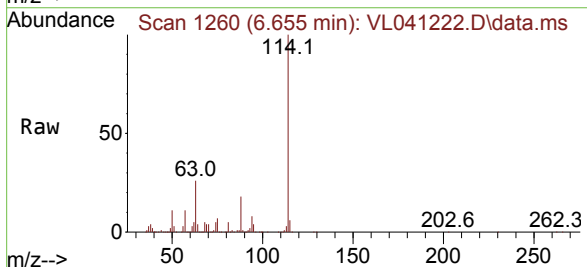
Instrument :
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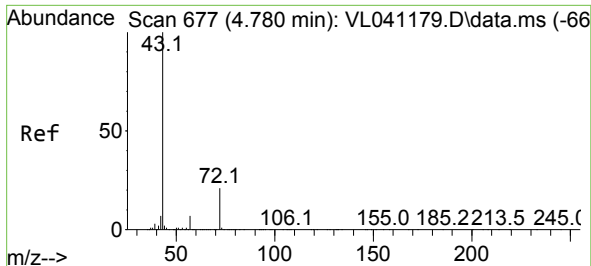
Tgt Ion: 57 Resp: 29398
Ion Ratio Lower Upper
57 100
41 169.0 75.8 113.8#
43 0.0 187.0 280.4#
56 94.3 42.7 64.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 114 Resp: 2384820
Ion Ratio Lower Upper
114 100
63 25.3 21.8 32.6
88 18.4 15.2 22.8

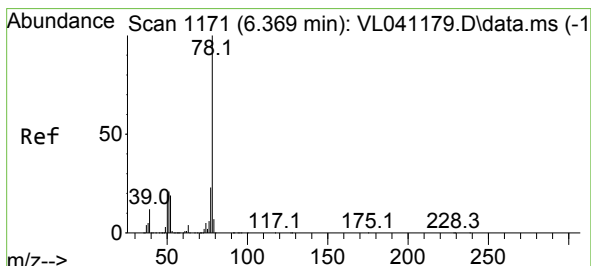
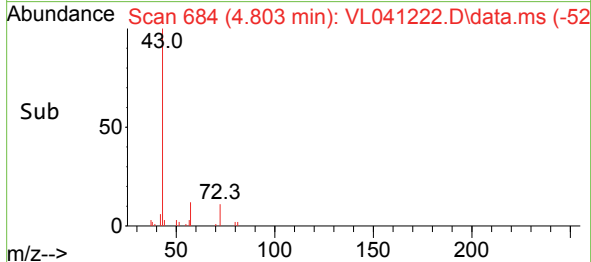
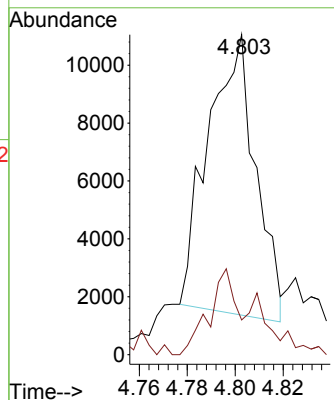
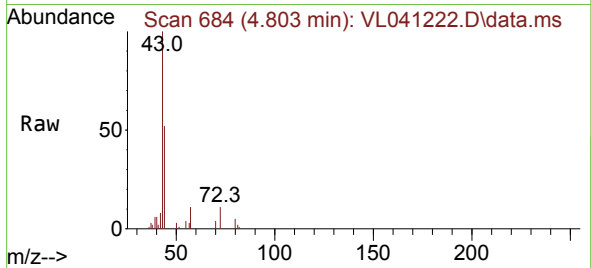




#34
2-Butanone
Concen: 0.108 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

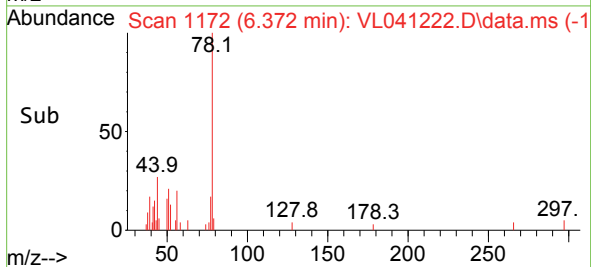
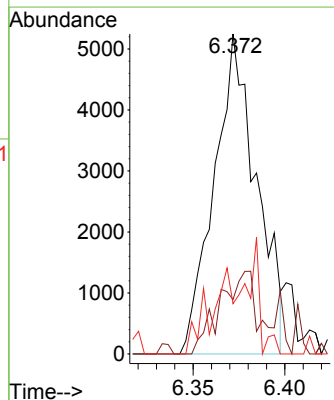
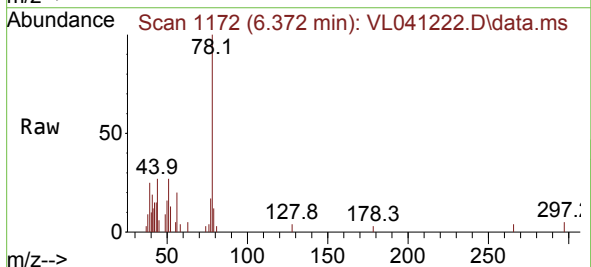
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425DL

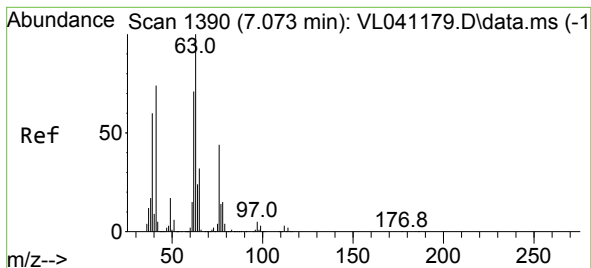
Tgt Ion: 43 Resp: 13162
Ion Ratio Lower Upper
43 100
72 31.9 17.3 25.9#



#36
Benzene
Concen: 0.042 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

Tgt Ion: 78 Resp: 8436
Ion Ratio Lower Upper
78 100
77 17.0 18.3 27.5#
50 15.7 15.9 23.9#





#39

1,2-Dichloropropane

Concen: 7.733 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL041222.D

Acq: 6 May 2024 17:39

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA03-20240425DL

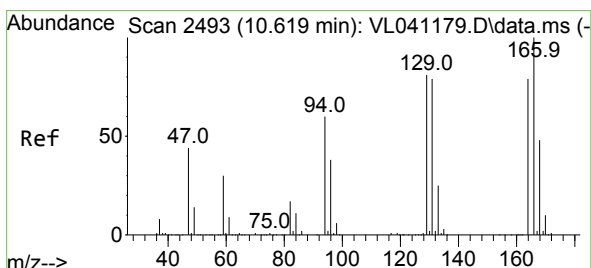
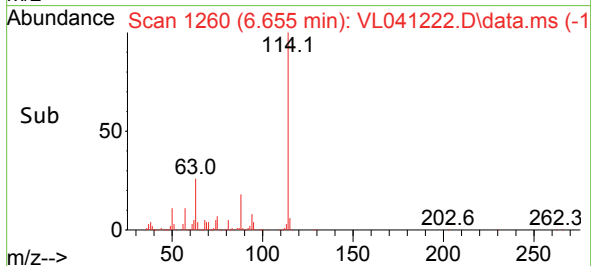
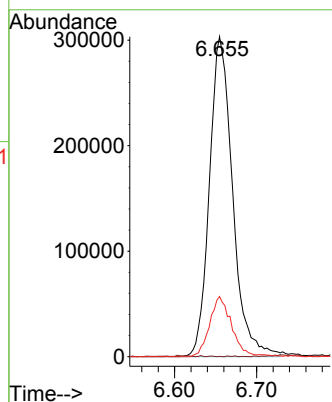
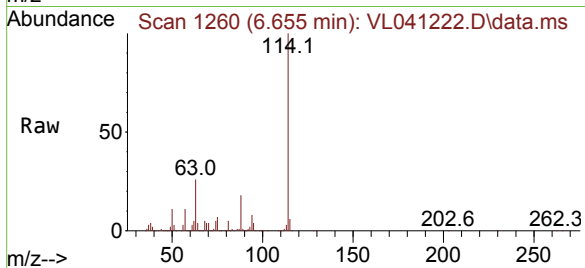
Tgt Ion: 63 Resp: 596406

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 18.8 56.8 85.2#



#52

Tetrachloroethene

Concen: 0.034 ppbv

RT: 10.616 min Scan# 2492

Delta R.T. 0.003 min

Lab File: VL041222.D

Acq: 6 May 2024 17:39

Tgt Ion: 164 Resp: 2373

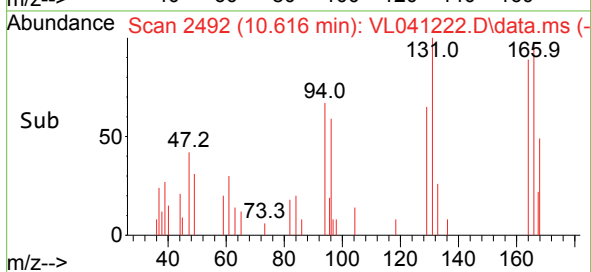
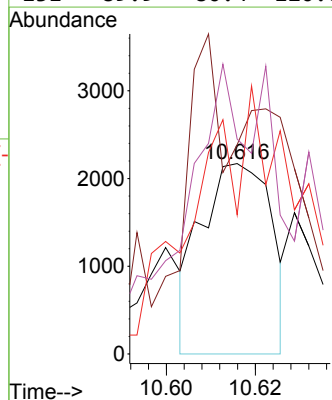
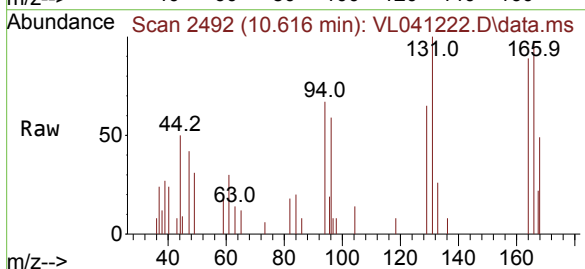
Ion Ratio Lower Upper

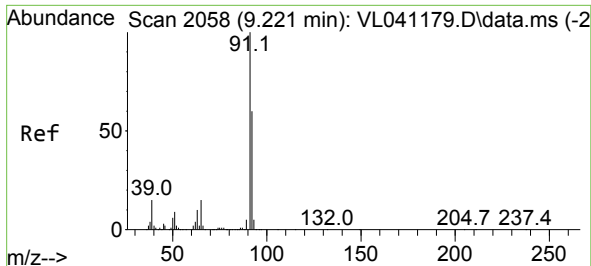
164 100

166 117.0 101.1 151.7

129 35.5 81.7 122.5#

131 89.9 80.4 120.6

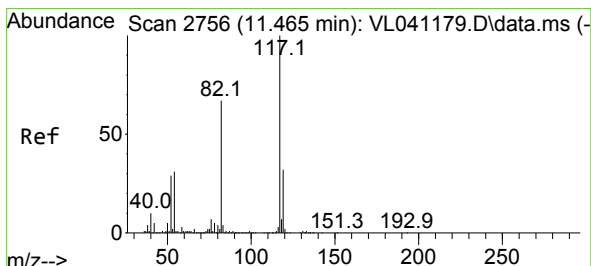
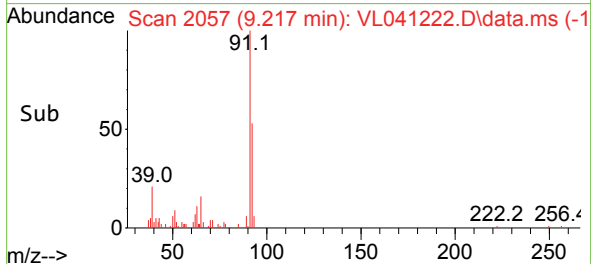
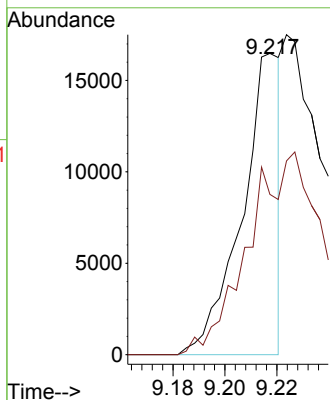
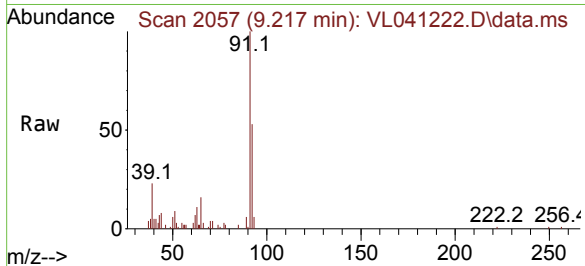




#53
Toluene
Concen: 0.072 ppbv
RT: 9.217 min Scan# 2058
Delta R.T. -0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

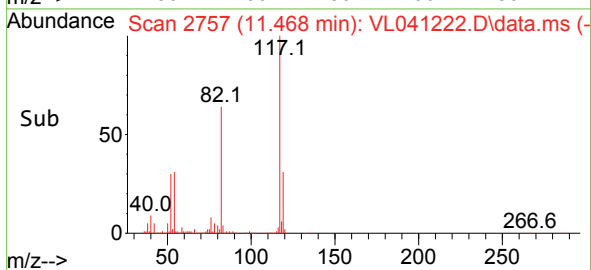
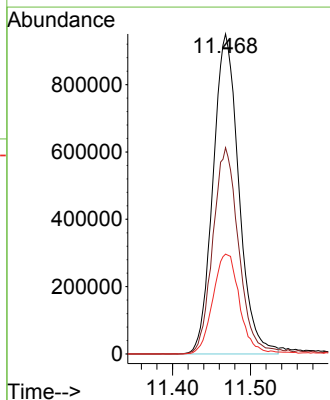
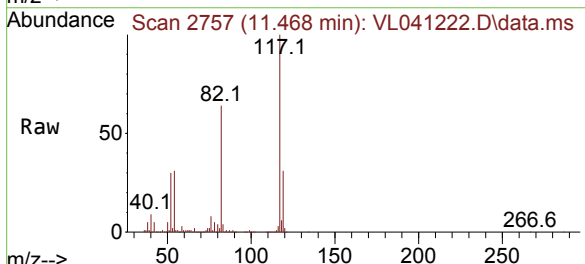
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425DL

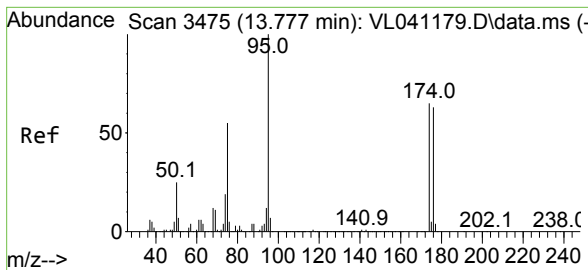
Tgt Ion: 91 Resp: 16812
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041222.D
Acq: 6 May 2024 17:39

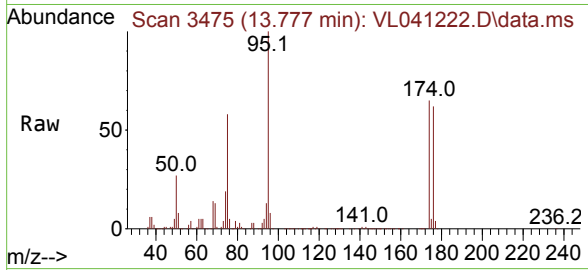
Tgt Ion: 117 Resp: 2187524
Ion Ratio Lower Upper
117 100
82 65.9 53.6 80.4
119 33.2 27.2 40.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.036 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL041222.D
 Acq: 6 May 2024 17:39

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA03-20240425DL



Tgt Ion: 95 Resp: 1657347

Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.6	80.4
175	5.2	4.2	6.4

