

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041225.D
 Acq On : 6 May 2024 19:36
 Operator : SY/MD
 Sample : P2334-10DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA02-20240425DL

Quant Time: May 07 05:27:23 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)

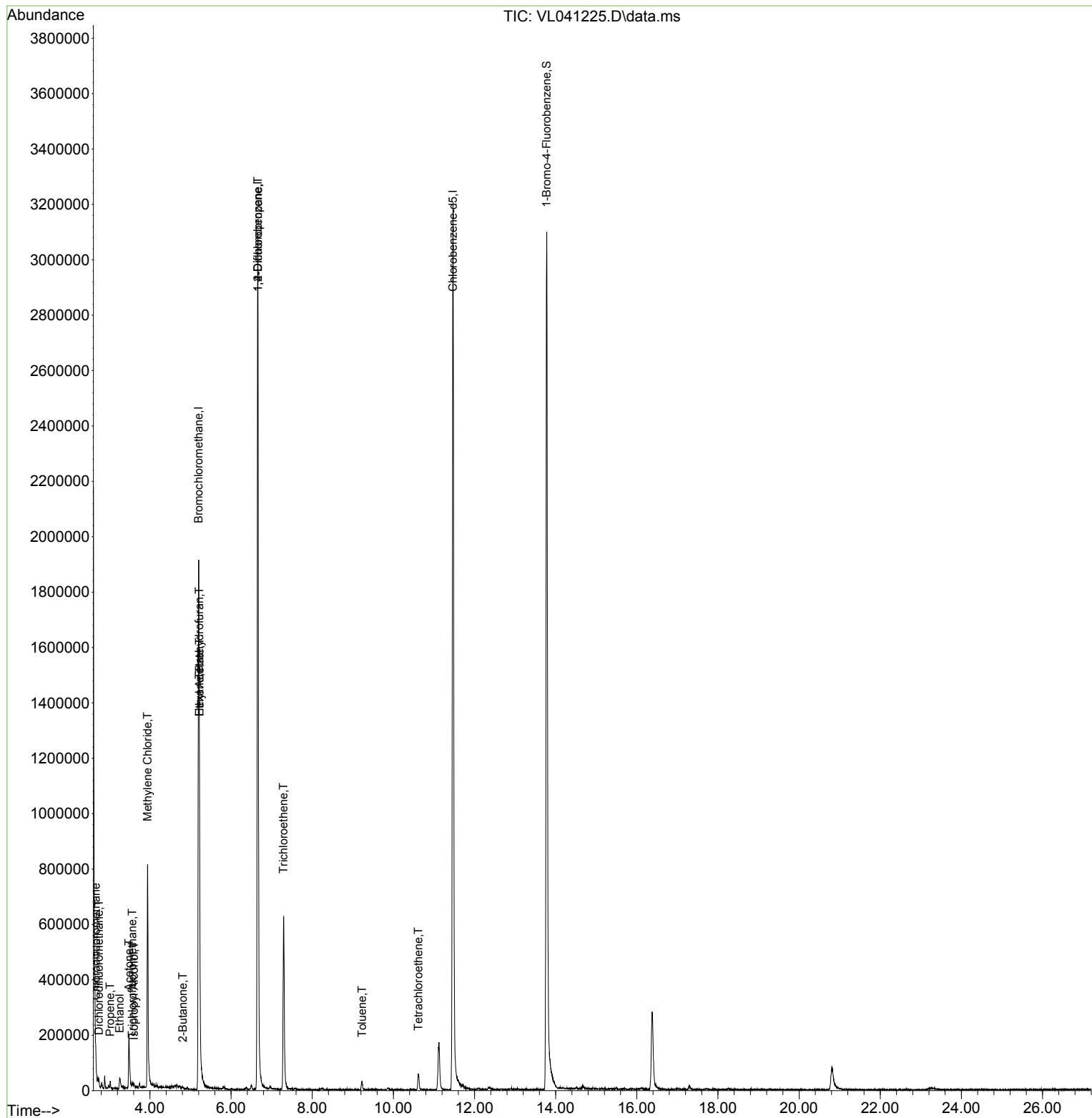
Internal Standards						
1) Bromochloromethane	5.198	49	884022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2324330	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2115243	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1569590	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	16137	0.135	ppbv	95
3) Chlorodifluoromethane	2.665	51	34826	0.259	ppbv #	62
9) Propene	3.022	41	6595	0.126	ppbv	85
11) Trichlorofluoromethane	3.568	101	4961	0.041	ppbv	88
13) Ethanol	3.256	45	24655	2.093	ppbv #	41
15) Acetone	3.481	43	210187	2.015	ppbv	99
19) Isopropyl Alcohol	3.604	45	6845	0.100	ppbv #	41
20) Methylene Chloride	3.941	84	258955	7.138	ppbv	96
25) Ethyl Acetate	5.221	43	202250	0.971	ppbv #	78
26) Hexane	5.221	57	298724	3.214	ppbv #	41
34) 2-Butanone	4.809	43	5461	0.046	ppbv #	85
38) Trichloroethene	7.295	130	194572	2.677	ppbv	97
39) 1,2-Dichloropropane	6.658	63	593219	7.892	ppbv #	24
41) Tetrahydrofuran	5.218	42	110955	1.296	ppbv #	53
52) Tetrachloroethene	10.616	164	11510	0.168	ppbv #	73
53) Toluene	9.230	91	10966	0.048	ppbv #	35

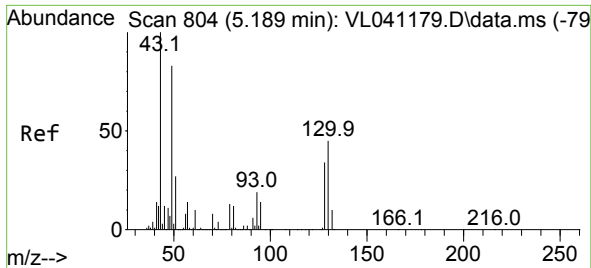
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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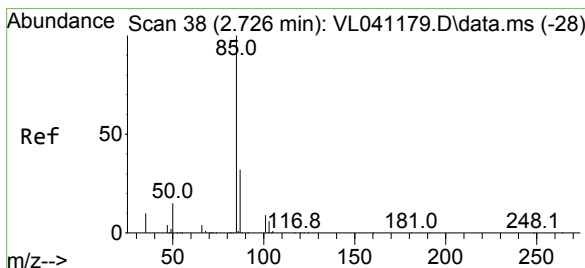
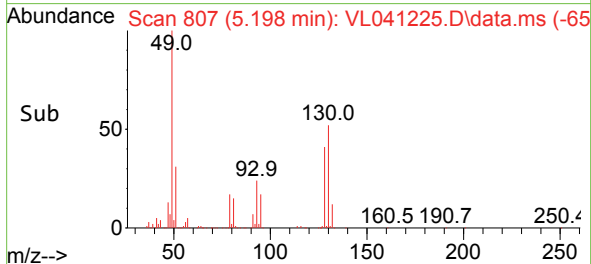
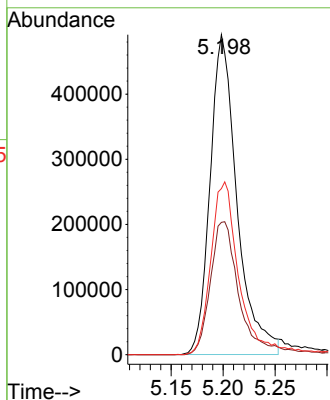
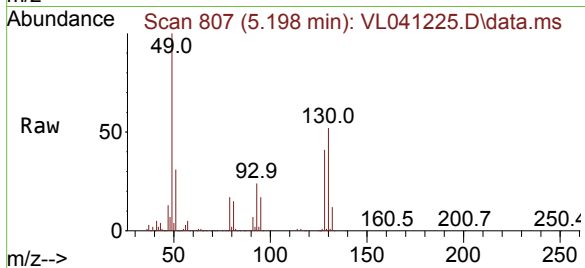




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041225.D
 Acq: 6 May 2024 19:36

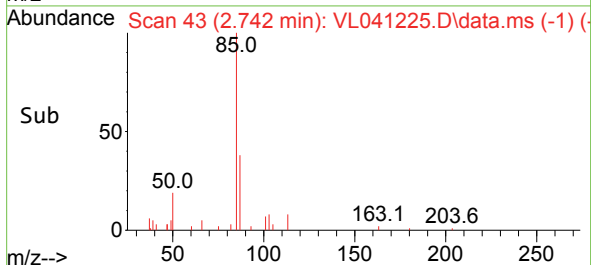
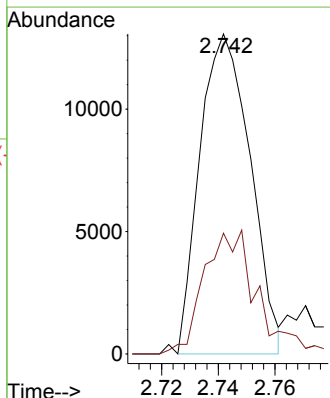
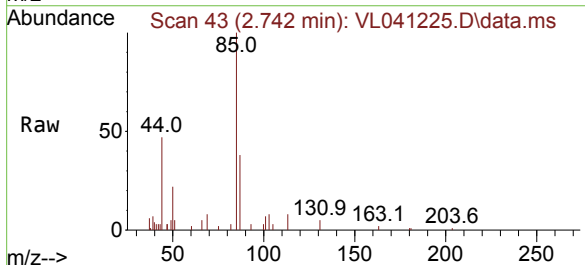
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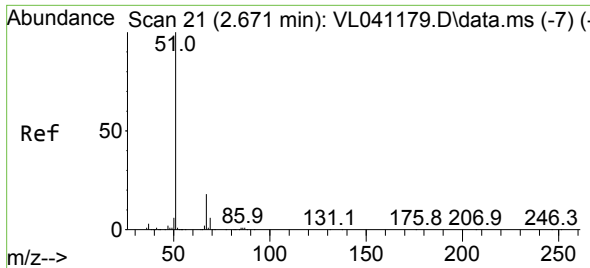
Tgt Ion: 49 Resp: 884022
 Ion Ratio Lower Upper
 49 100
 128 46.2 21.5 64.5
 130 58.7 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.135 ppbv
 RT: 2.742 min Scan# 43
 Delta R.T. 0.003 min
 Lab File: VL041225.D
 Acq: 6 May 2024 19:36

Tgt Ion: 85 Resp: 16137
 Ion Ratio Lower Upper
 85 100
 87 34.7 25.7 38.5

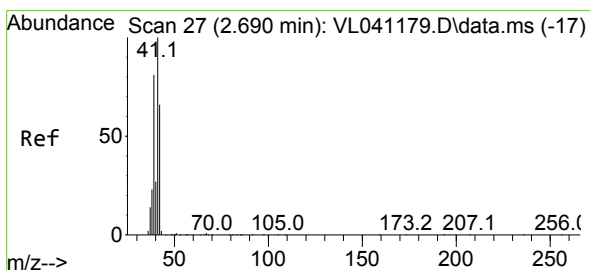
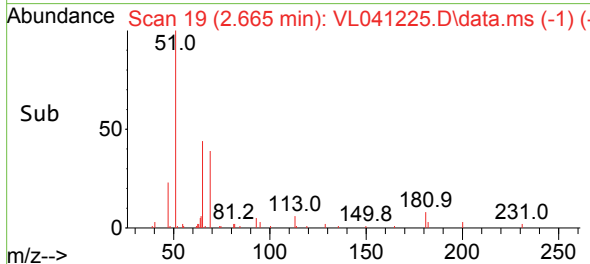
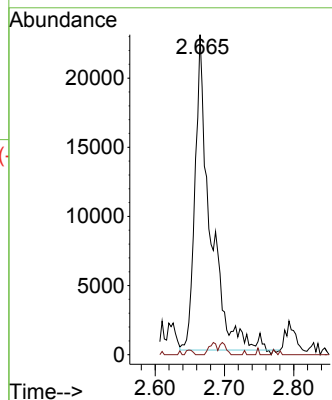
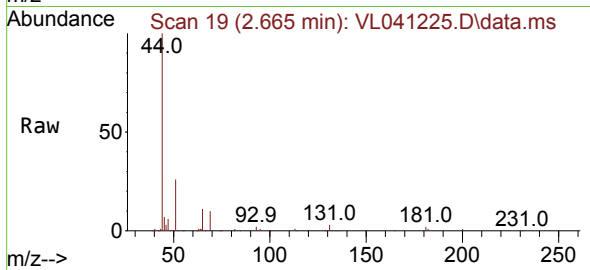




#3
Chlorodifluoromethane
Concen: 0.259 ppbv
RT: 2.665 min Scan# 119
Delta R.T. -0.019 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

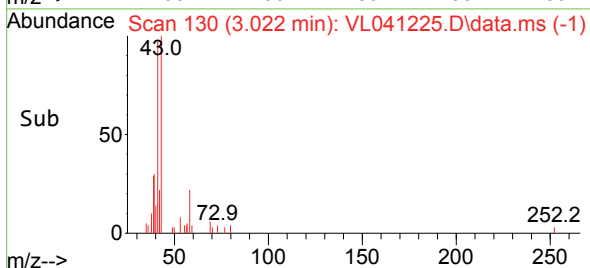
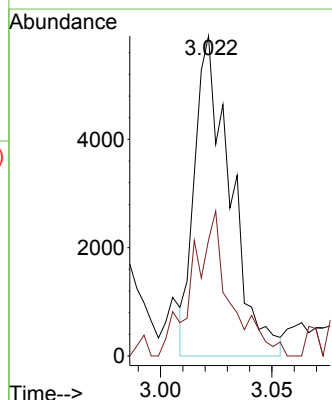
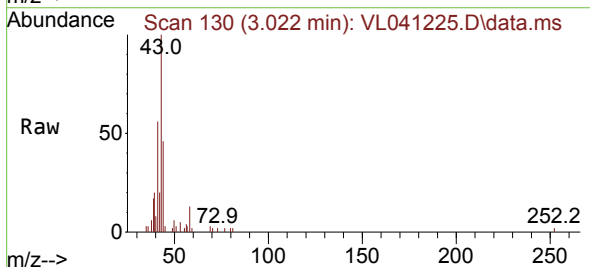
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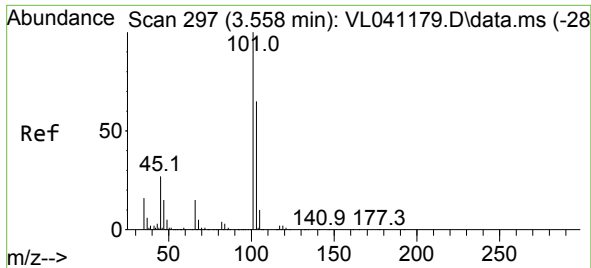
Tgt Ion: 51 Resp: 34826
Ion Ratio Lower Upper
51 100
67 0.8 14.0 21.0#



#9
Propene
Concen: 0.126 ppbv
RT: 3.022 min Scan# 130
Delta R.T. 0.319 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 41 Resp: 6595
Ion Ratio Lower Upper
41 100
42 56.8 55.3 82.9

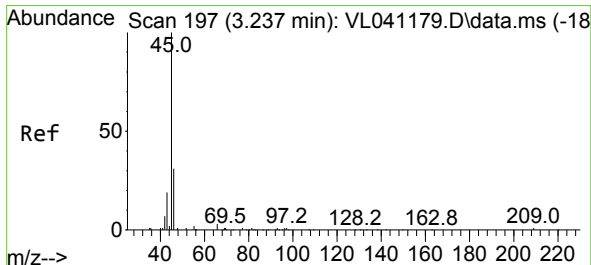
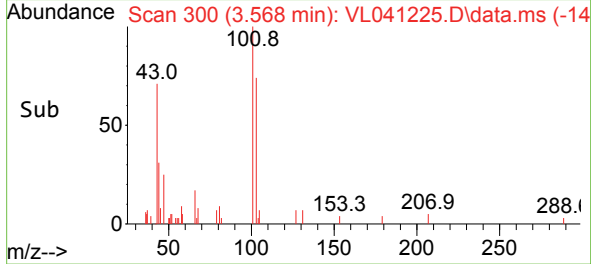
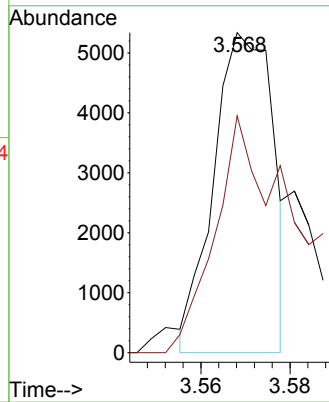
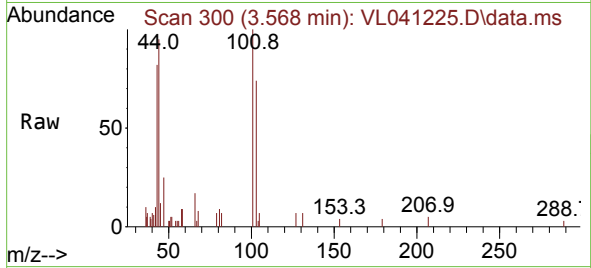




#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL041225.D
 Acq: 6 May 2024 19:36

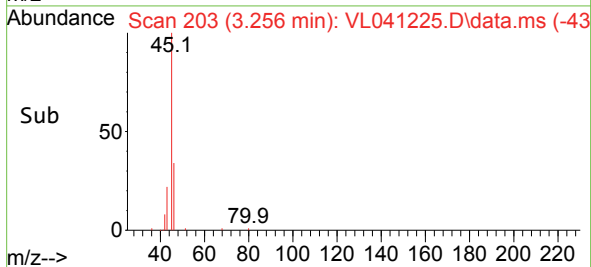
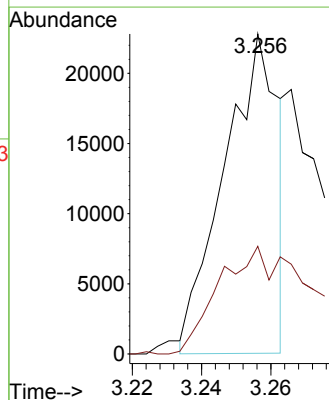
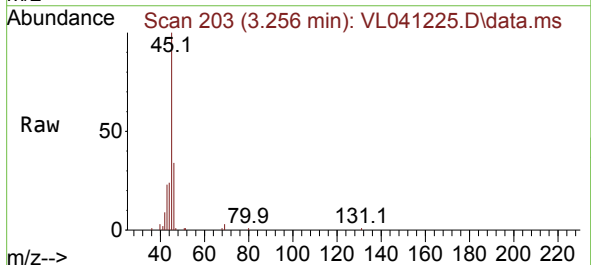
Instrument :
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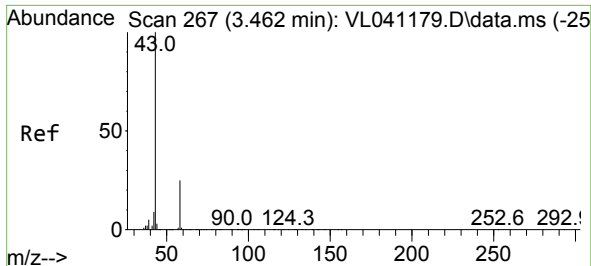
Tgt Ion:101 Resp: 4961
 Ion Ratio Lower Upper
 101 100
 103 73.7 51.6 77.4



#13
 Ethanol
 Concen: 2.093 ppbv
 RT: 3.256 min Scan# 203
 Delta R.T. 0.013 min
 Lab File: VL041225.D
 Acq: 6 May 2024 19:36

Tgt Ion: 45 Resp: 24655
 Ion Ratio Lower Upper
 45 100
 46 71.9 14.8 59.0#

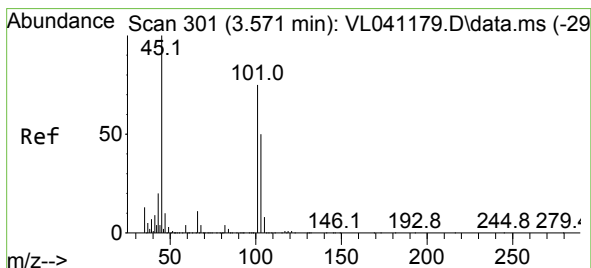
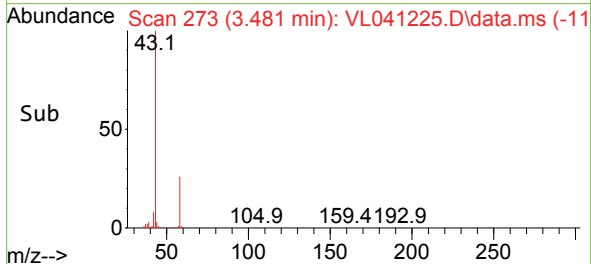
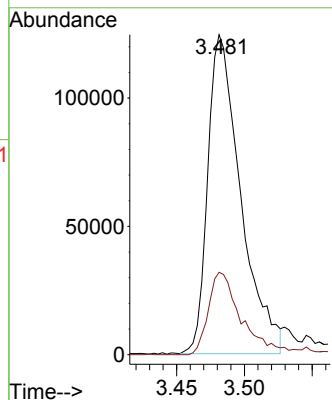
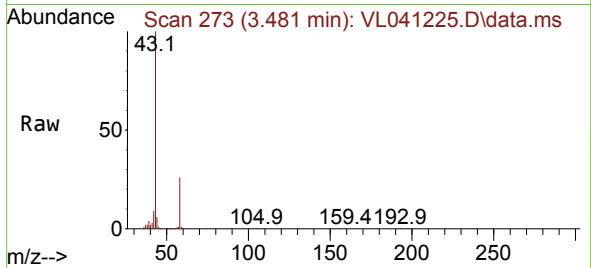




#15
Acetone
Concen: 2.015 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

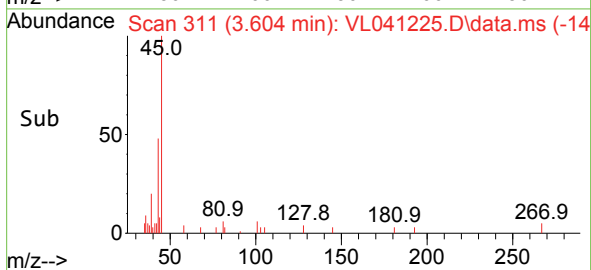
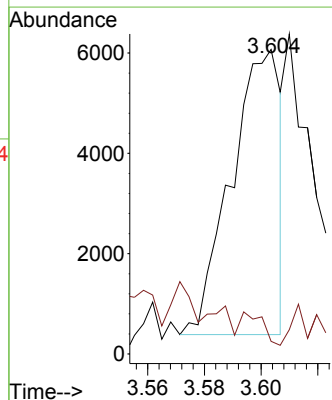
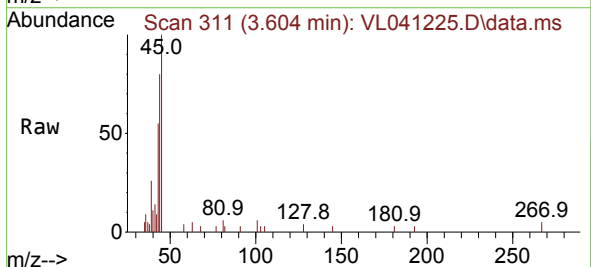
Instrument :
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ClientSampleId :
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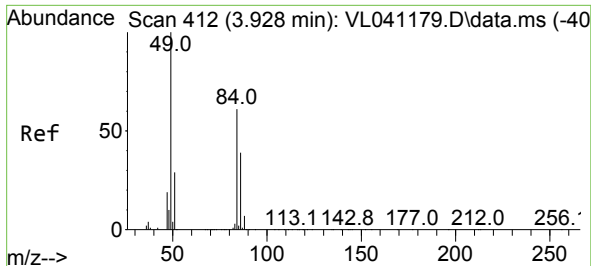
Tgt Ion: 43 Resp: 210187
Ion Ratio Lower Upper
43 100
58 27.2 21.4 32.0



#19
Isopropyl Alcohol
Concen: 0.100 ppbv
RT: 3.604 min Scan# 311
Delta R.T. 0.023 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 45 Resp: 6845
Ion Ratio Lower Upper
45 100
58 0.0 26.8 40.2#

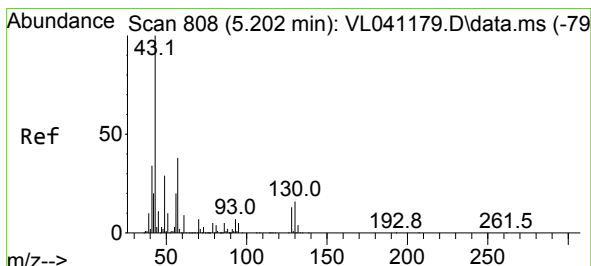
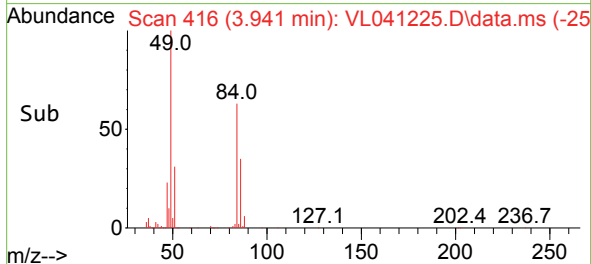
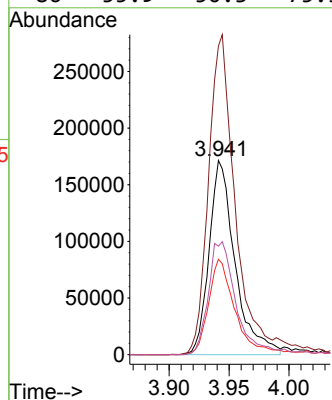
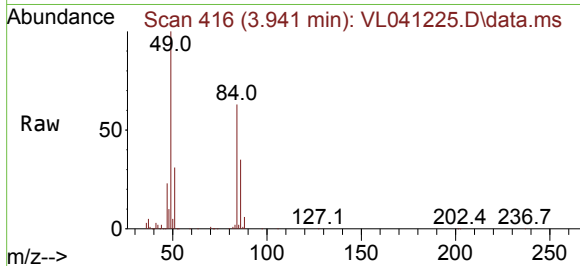




#20
Methylene Chloride
Concen: 7.138 ppbv
RT: 3.941 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

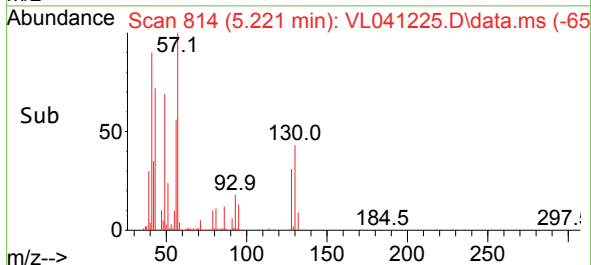
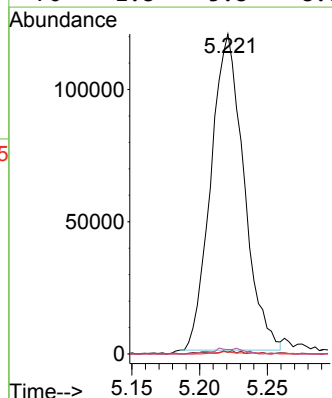
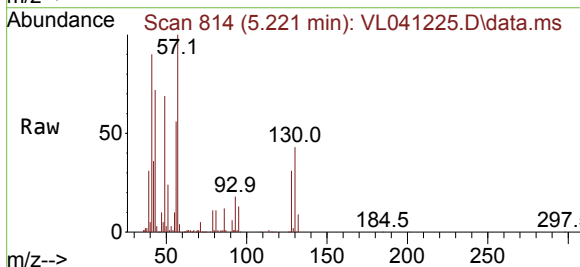
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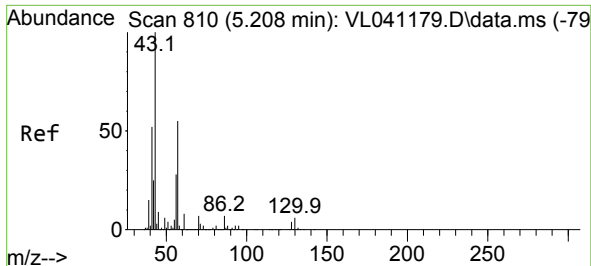
Tgt Ion: 84 Resp: 258955
Ion Ratio Lower Upper
84 100
49 158.8 130.4 195.6
51 49.1 38.0 57.0
86 55.9 50.3 75.5



#25
Ethyl Acetate
Concen: 0.971 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.016 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 43 Resp: 202250
Ion Ratio Lower Upper
43 100
45 1.2 8.2 12.2#
61 0.4 7.7 11.5#
70 1.8 5.8 8.6#

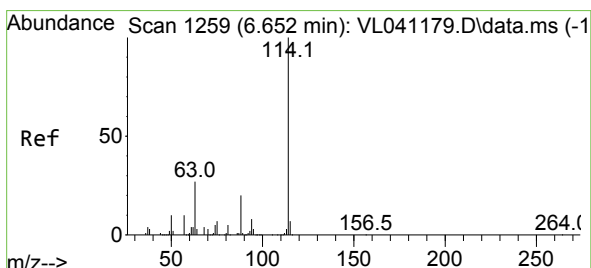
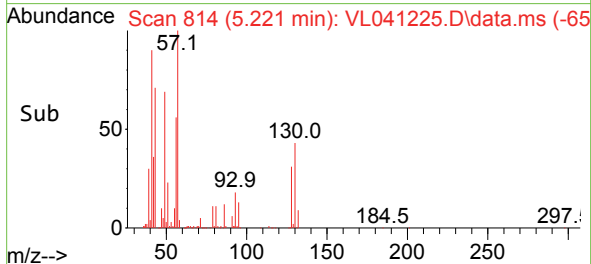
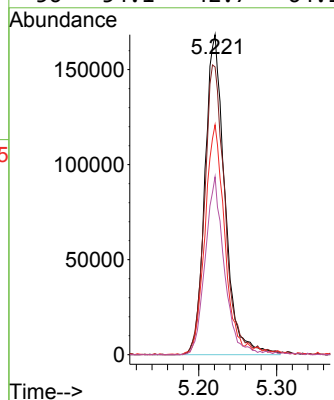
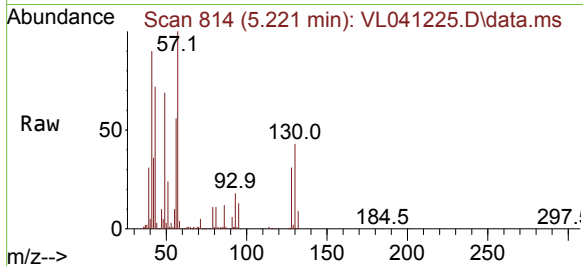




#26
Hexane
Concen: 3.214 ppbv
RT: 5.221 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

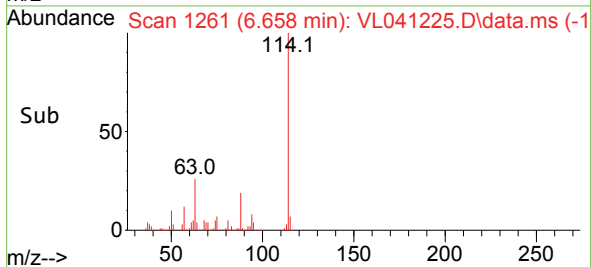
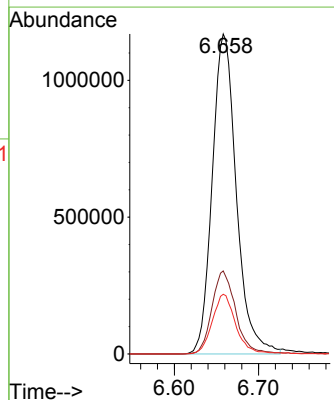
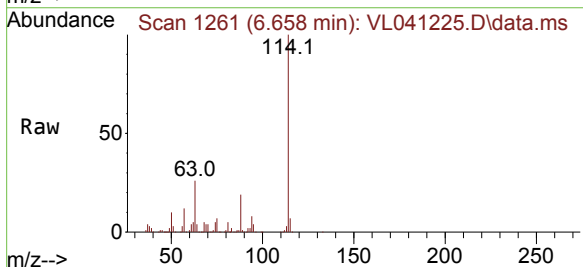
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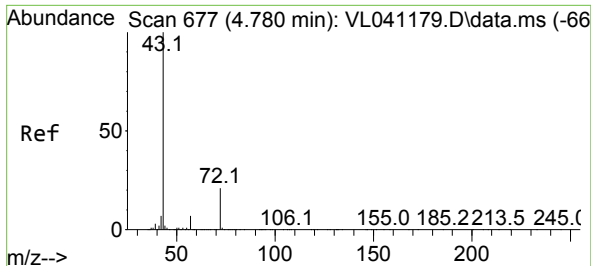
Tgt Ion: 57 Resp: 298724
Ion Ratio Lower Upper
57 100
41 94.3 75.8 113.8
43 72.3 187.0 280.4#
56 54.1 42.7 64.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion:114 Resp: 2324330
Ion Ratio Lower Upper
114 100
63 26.1 21.8 32.6
88 18.4 15.2 22.8

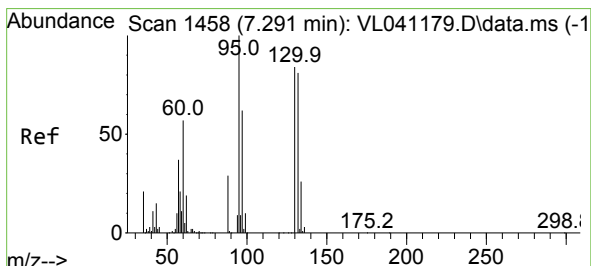
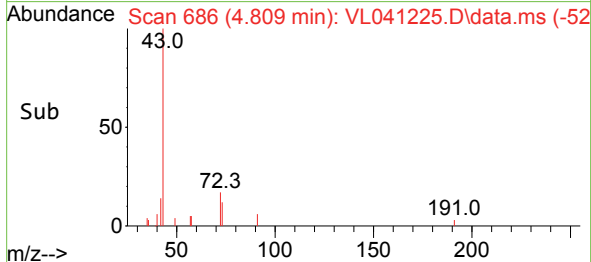
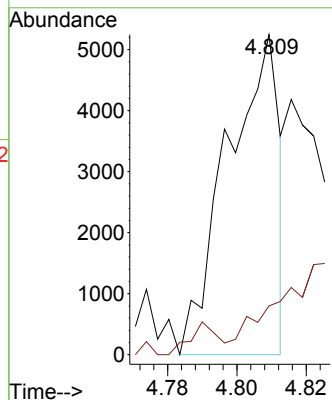
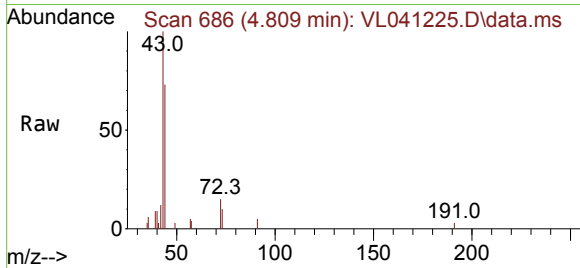




#34
2-Butanone
Concen: 0.046 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

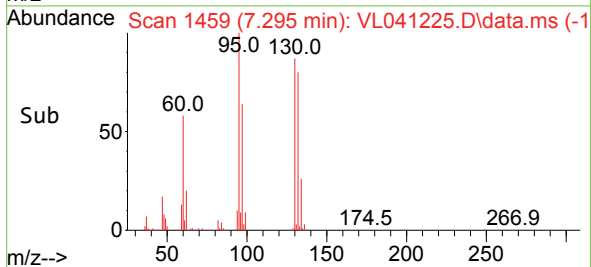
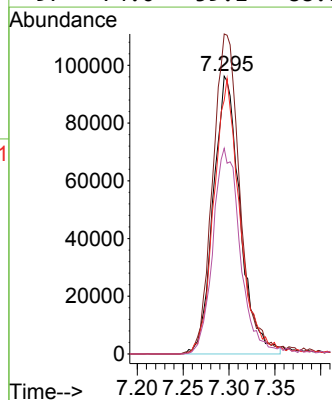
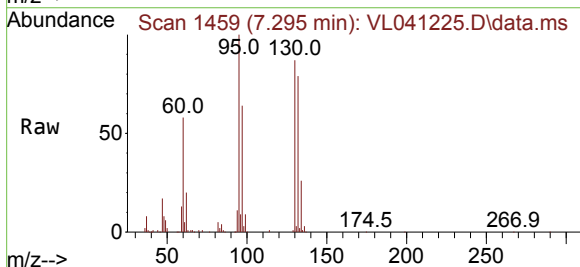
Instrument :
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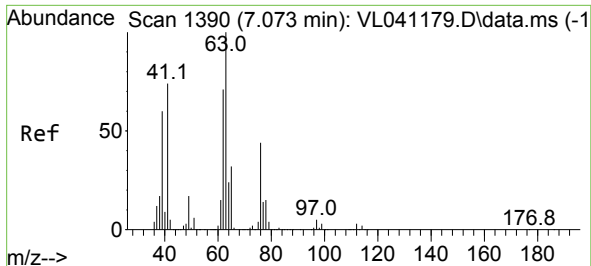
Tgt Ion: 43 Resp: 5461
Ion Ratio Lower Upper
43 100
72 14.4 17.3 25.9#



#38
Trichloroethene
Concen: 2.677 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion:130 Resp: 194572
Ion Ratio Lower Upper
130 100
95 115.2 95.0 142.6
132 91.3 77.0 115.4
97 74.0 59.1 88.7





#39

1,2-Dichloropropane

Concen: 7.892 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA02-20240425DL

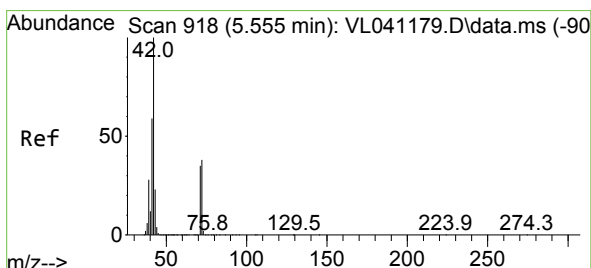
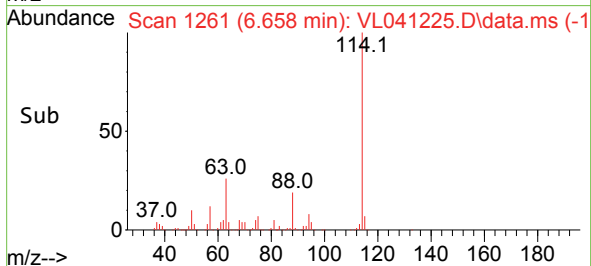
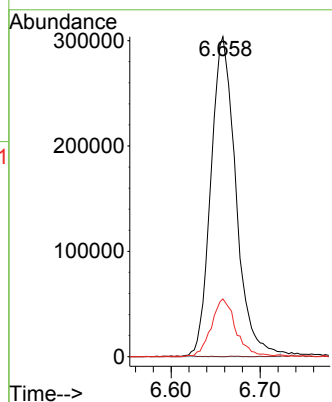
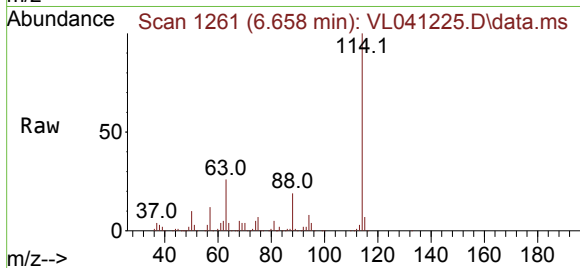
Tgt Ion: 63 Resp: 593219

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 18.1 56.8 85.2#



#41

Tetrahydrofuran

Concen: 1.296 ppbv

RT: 5.218 min Scan# 813

Delta R.T. -0.341 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

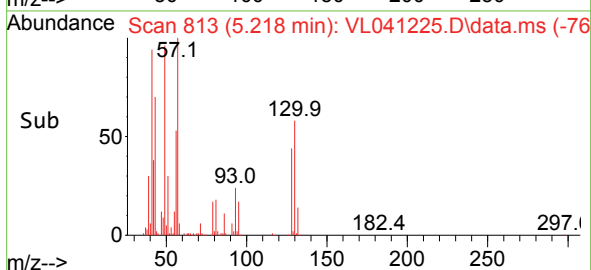
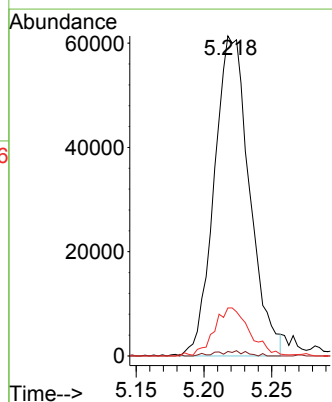
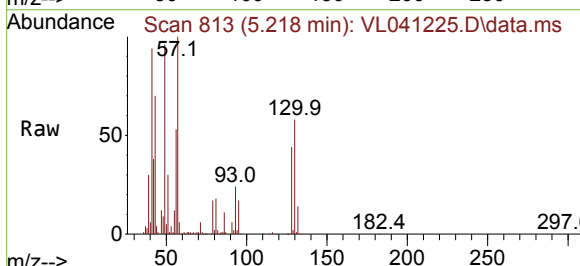
Tgt Ion: 42 Resp: 110955

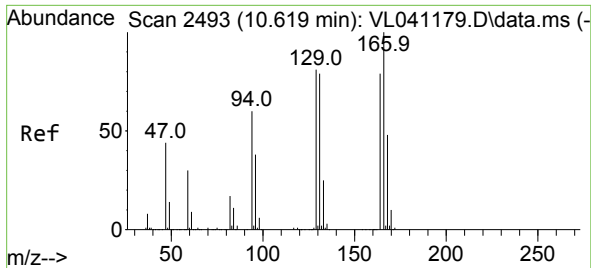
Ion Ratio Lower Upper

42 100

72 1.4 29.4 44.0#

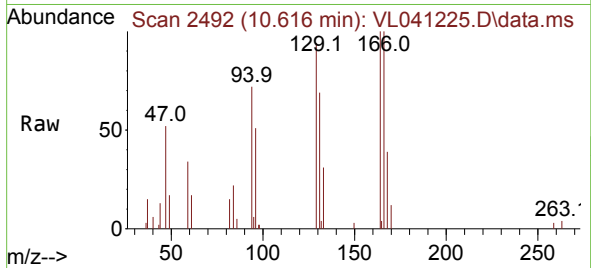
71 15.5 29.1 43.7#



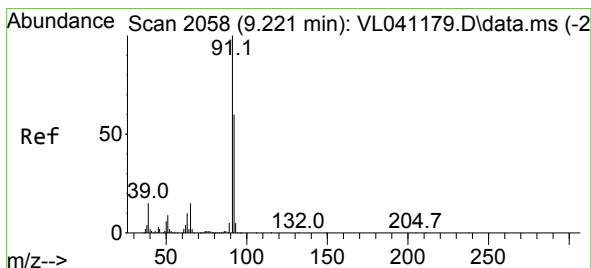
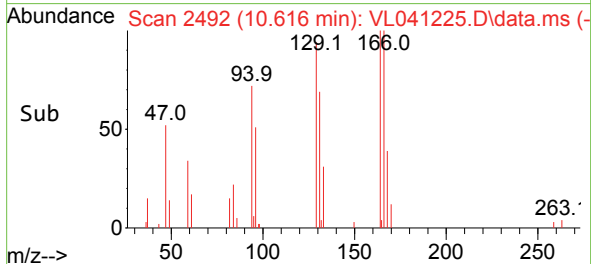
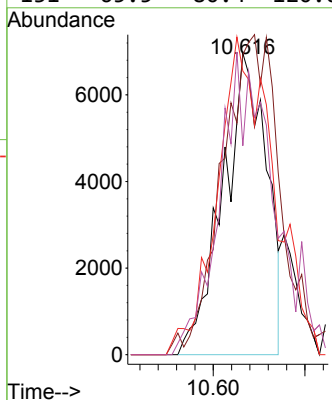


#52
Tetrachloroethene
Concen: 0.168 ppbv
RT: 10.616 min Scan# 2493
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DL

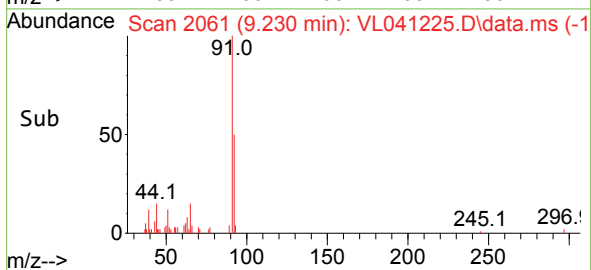
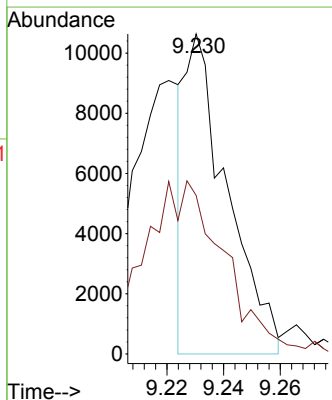
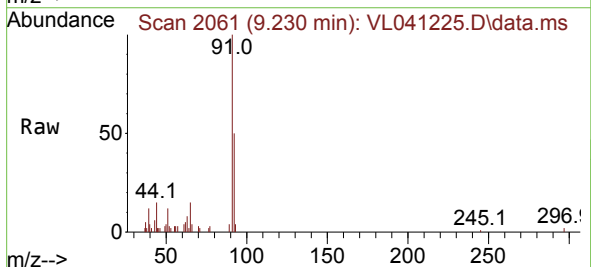


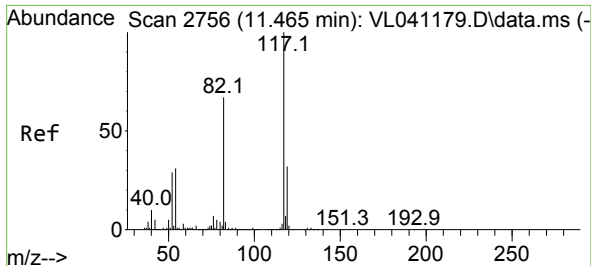
Tgt Ion:164 Resp: 11510
Ion Ratio Lower Upper
164 100
166 92.4 101.1 151.7#
129 85.4 81.7 122.5
131 65.5 80.4 120.6#



#53
Toluene
Concen: 0.048 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.010 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 91 Resp: 10966
Ion Ratio Lower Upper
91 100
92 109.3 48.2 72.4#

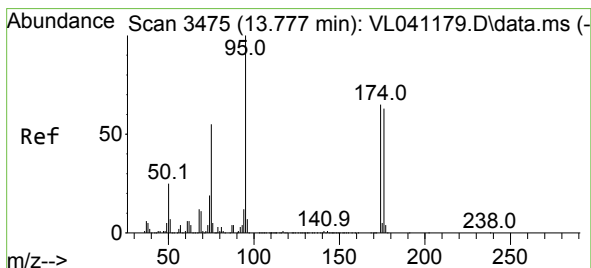
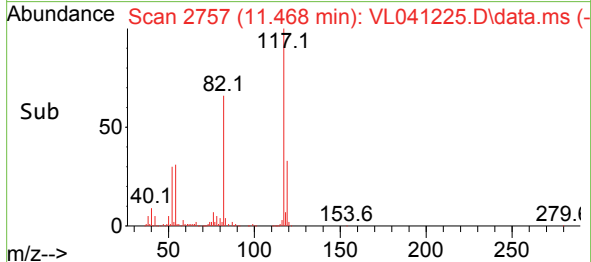
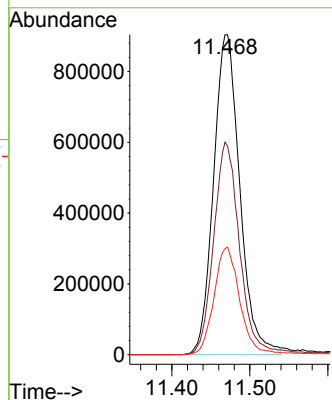
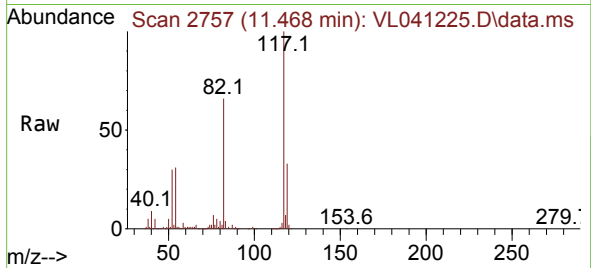




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2115243
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DL

Tgt Ion:117 Resp: 2115243
Ion Ratio Lower Upper
117 100
82 67.2 53.6 80.4
119 33.9 27.2 40.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.829 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 95 Resp: 1569590
Ion Ratio Lower Upper
95 100
174 68.0 53.6 80.4
175 4.9 4.2 6.4

