

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041573.D
 Acq On : 21 Aug 2024 19:02
 Operator : SY/MD
 Sample : P3709-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 22 15:47:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 22 01:05:17 2024
 Response via : Initial Calibration

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

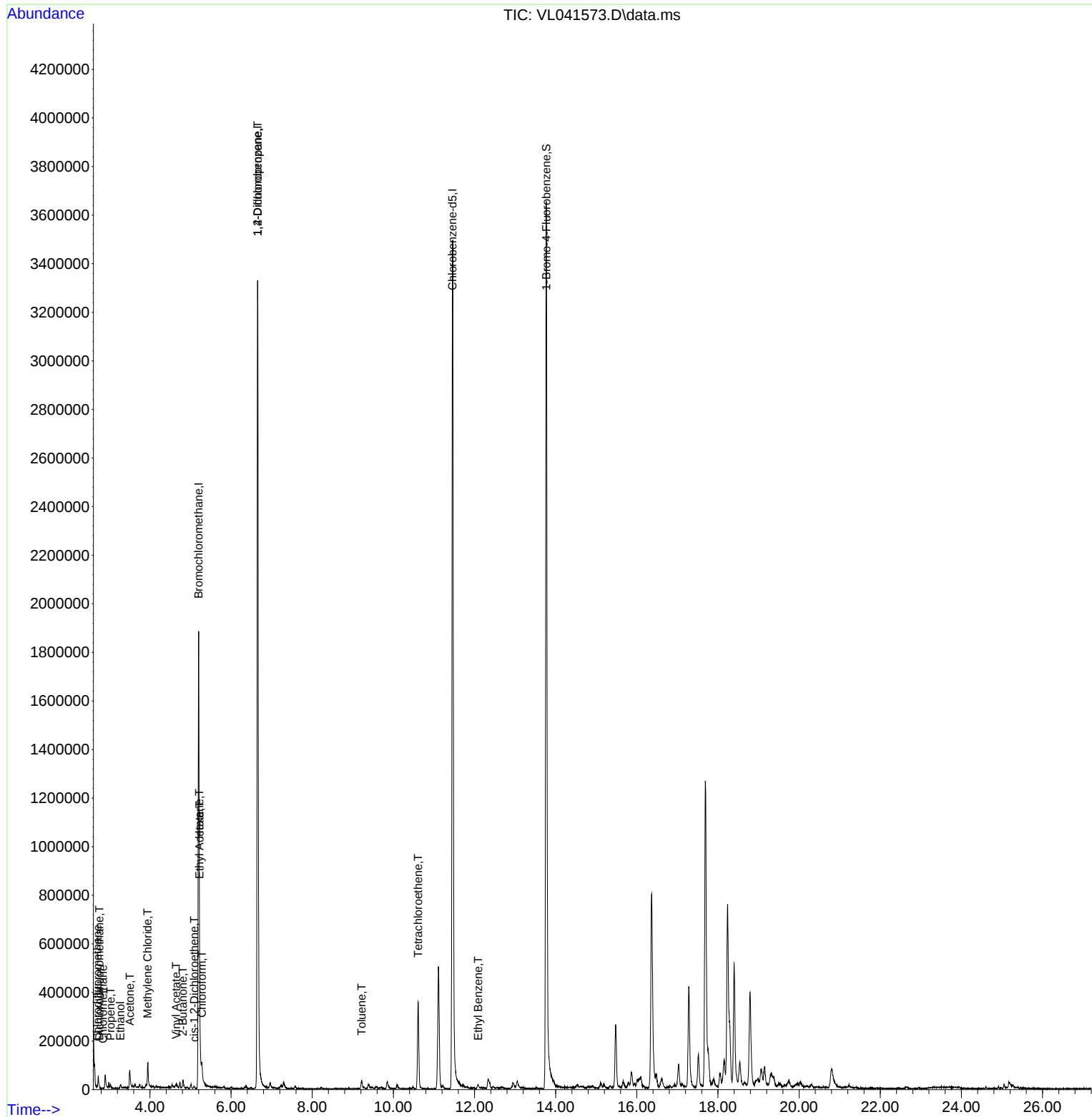
Internal Standards						
1) Bromochloromethane	5.198	49	961874	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2520166	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2301291	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1773743	10.016	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	5857	0.035	ppbv	90
3) Chlorodifluoromethane	2.703	51	7139	0.062	ppbv	99
4) Chloromethane	2.838	50	2541	0.042	ppbv	97
9) Propene	3.028	41	4016	0.076	ppbv	93
13) Ethanol	3.275	45	12298	2.616	ppbv	67
15) Acetone	3.504	43	77049	0.705	ppbv	# 82
20) Methylene Chloride	3.944	84	29902	0.734	ppbv	96
23) Vinyl Acetate	4.645	43	9726	0.117	ppbv	# 78
25) Ethyl Acetate	5.221	43	36736	0.169	ppbv	# 80
26) Hexane	5.217	57	44675	0.496	ppbv	# 36
29) Chloroform	5.282	83	37462	0.255	ppbv	# 81
31) cis-1,2-Dichloroethene	5.089	61	4279	0.048	ppbv	# 65
34) 2-Butanone	4.812	43	19276	0.158	ppbv	# 54
39) 1,2-Dichloropropane	6.655	63	623176	8.839	ppbv	# 25
52) Tetrachloroethene	10.610	164	90185	1.267	ppbv	95
53) Toluene	9.217	91	12208	0.060	ppbv	# 5
58) Ethyl Benzene	12.089	91	8728	0.033	ppbv	99

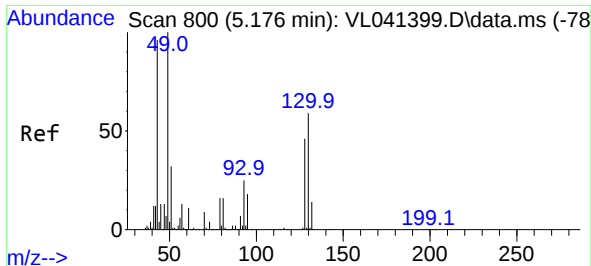
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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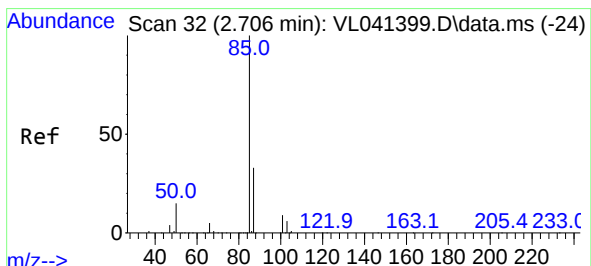
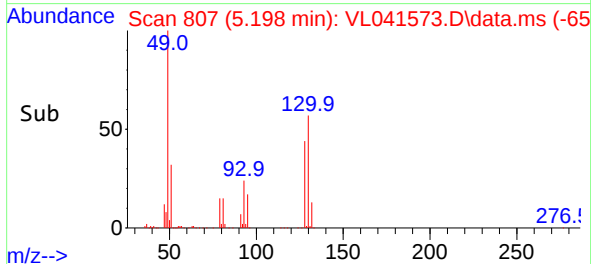
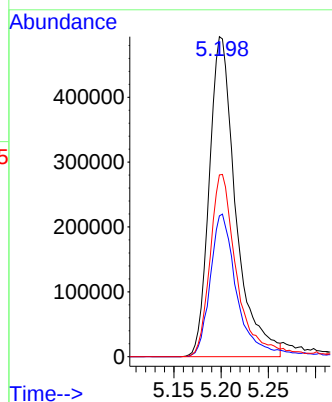
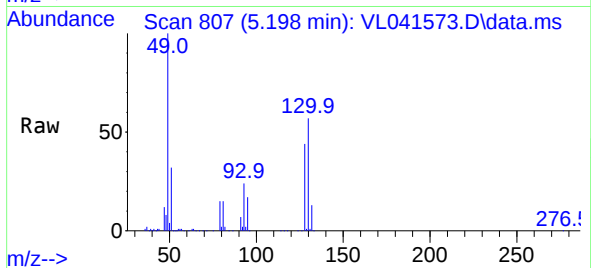




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

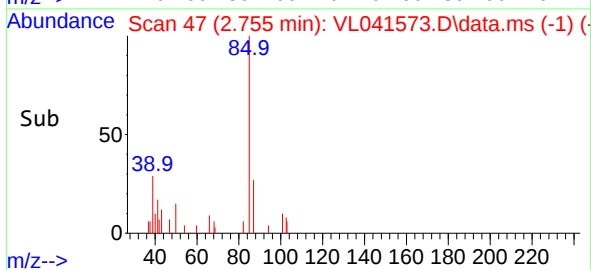
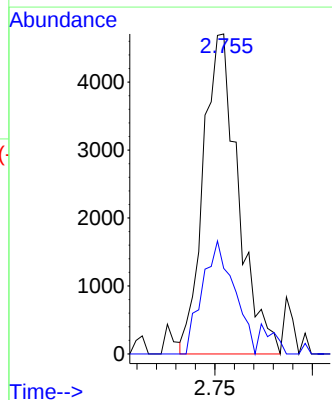
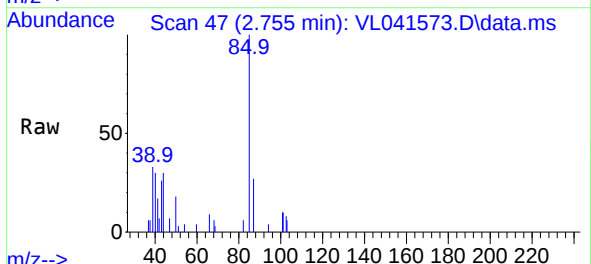
Instrument :
MSVOA_L
ClientSampleId :

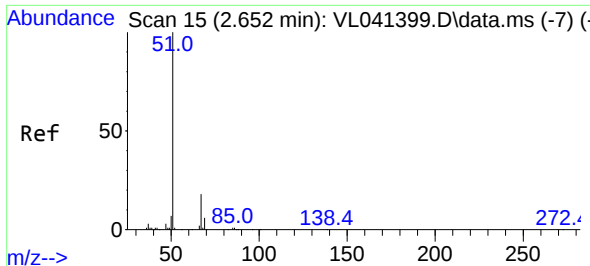
Tgt Ion: 49 Resp: 961874
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.4
130 59.5 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.013 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Tgt Ion: 85 Resp: 5857
Ion Ratio Lower Upper
85 100
87 26.7 26.0 39.0

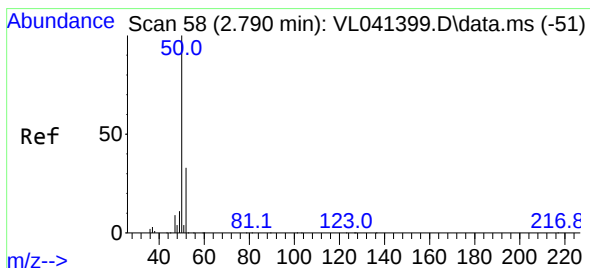
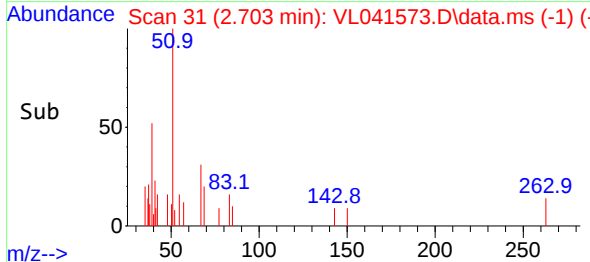
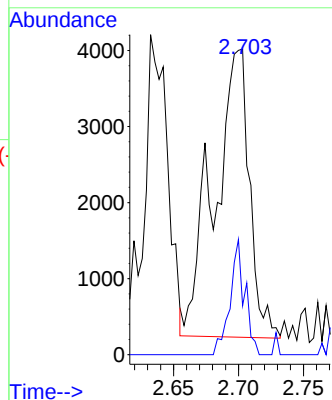
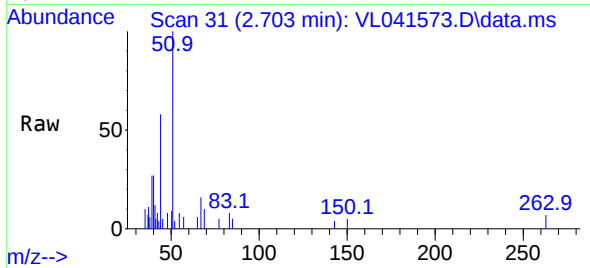




#3
Chlorodifluoromethane
Concen: 0.062 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

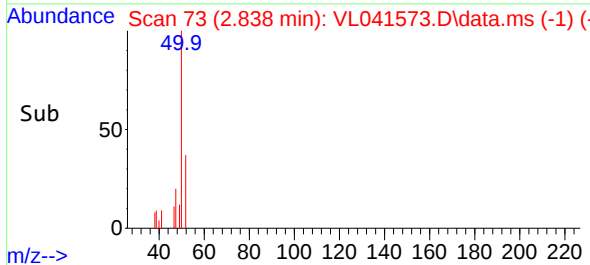
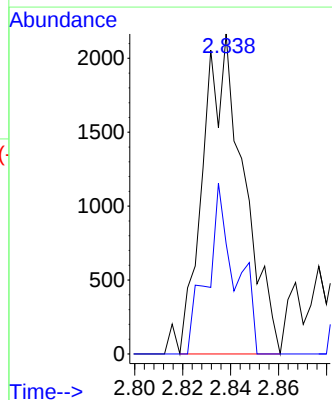
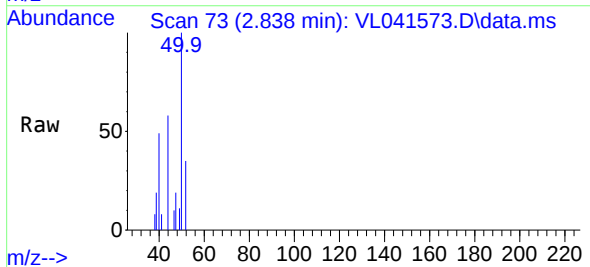
Instrument :
MSVOA_L
ClientSampleId :

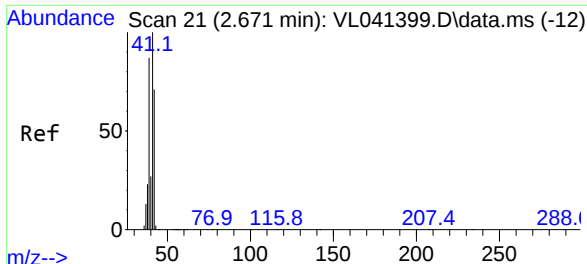
Tgt Ion: 51 Resp: 7139
Ion Ratio Lower Upper
51 100
67 17.5 14.5 21.7



#4
Chloromethane
Concen: 0.042 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.013 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Tgt Ion: 50 Resp: 2541
Ion Ratio Lower Upper
50 100
52 34.5 26.1 39.1

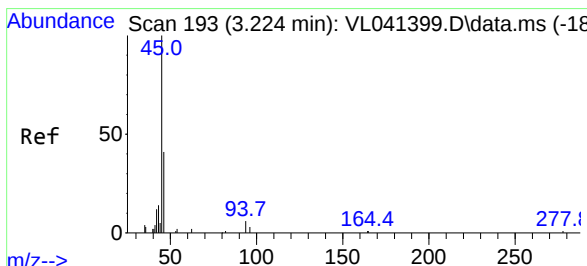
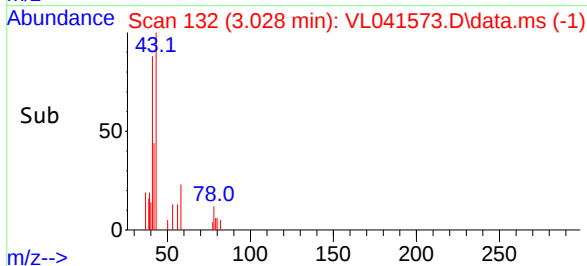
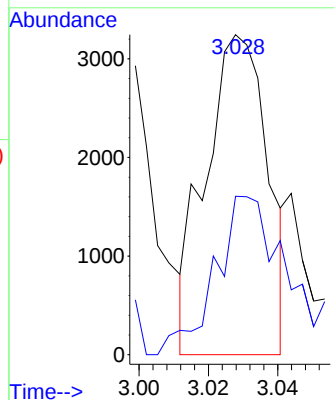
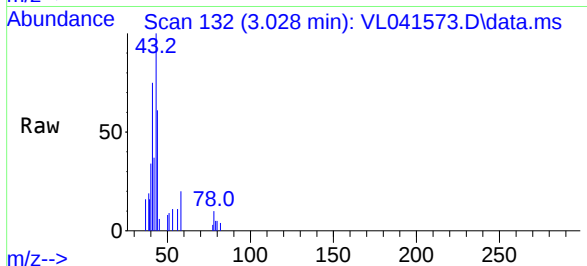




#9
Propene
Concen: 0.076 ppbv
RT: 3.028 min Scan# 11
Delta R.T. 0.321 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

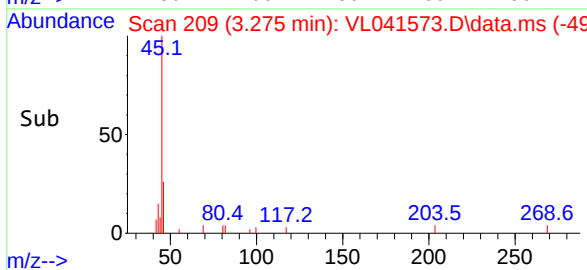
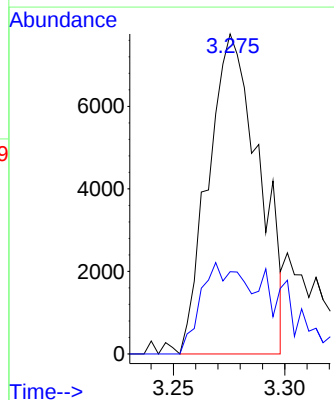
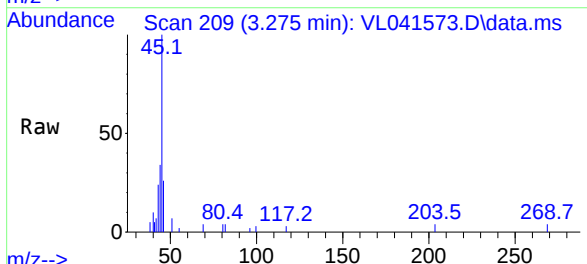
Instrument :
MSVOA_L
ClientSampleId :

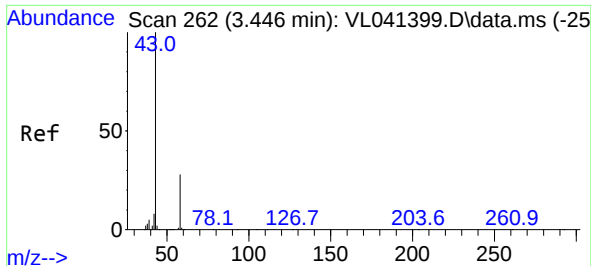
Tgt Ion: 41 Resp: 4016
Ion Ratio Lower Upper
41 100
42 64.1 55.9 83.9



#13
Ethanol
Concen: 2.616 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.016 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Tgt Ion: 45 Resp: 12298
Ion Ratio Lower Upper
45 100
46 52.2 13.4 53.4

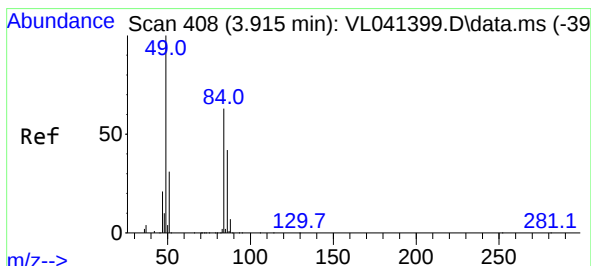
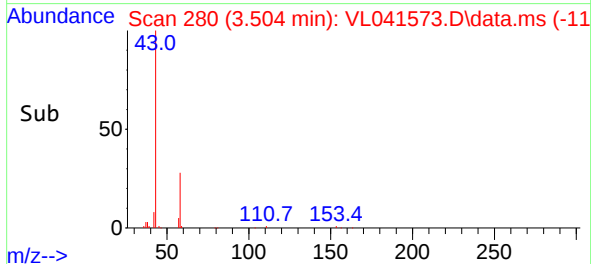
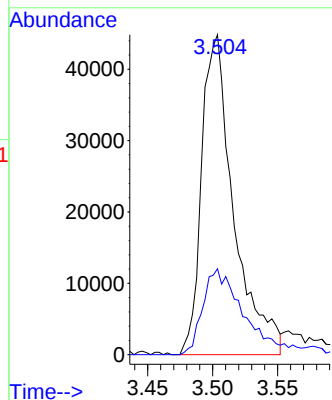
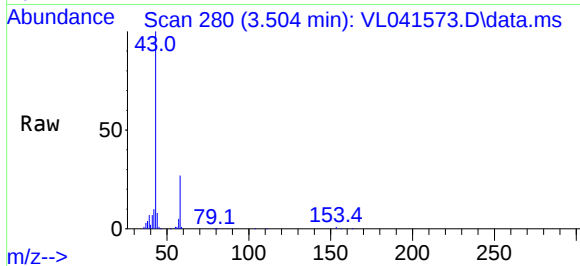




#15
Acetone
Concen: 0.705 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

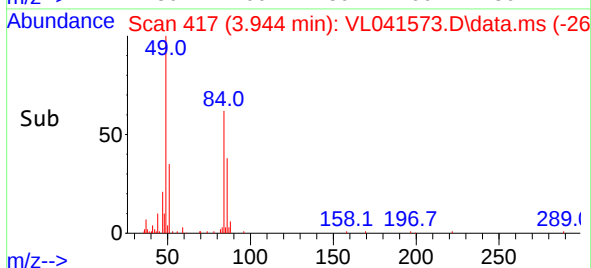
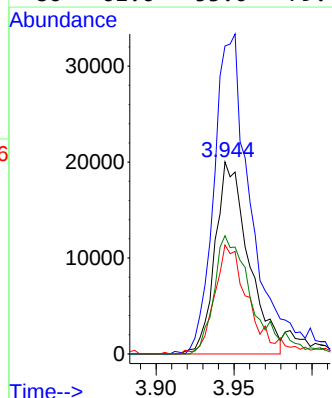
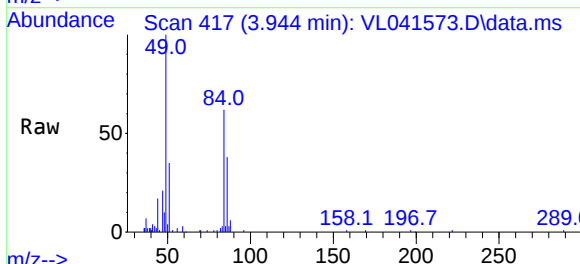
Instrument :
MSVOA_L
ClientSampleId :

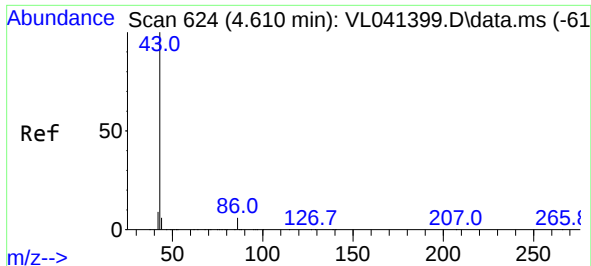
Tgt Ion: 43 Resp: 77049
Ion Ratio Lower Upper
43 100
58 36.1 21.4 32.2#



#20
Methylene Chloride
Concen: 0.734 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.003 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

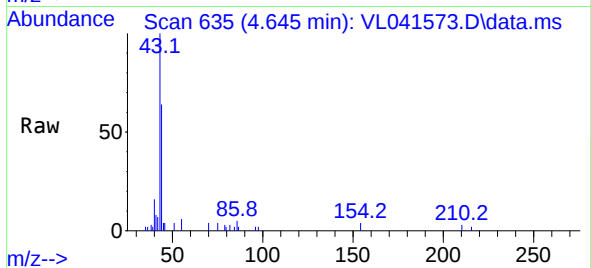
Tgt Ion: 84 Resp: 29902
Ion Ratio Lower Upper
84 100
49 158.8 126.6 190.0
51 56.7 38.6 58.0
86 61.6 53.0 79.4



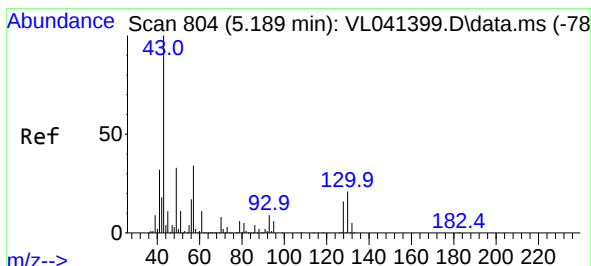
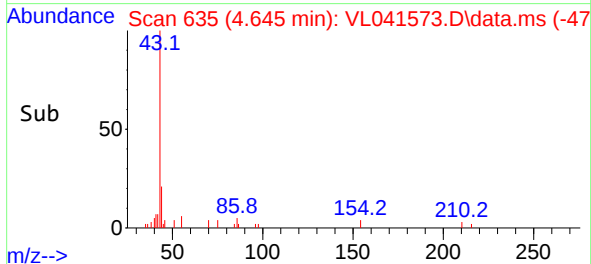
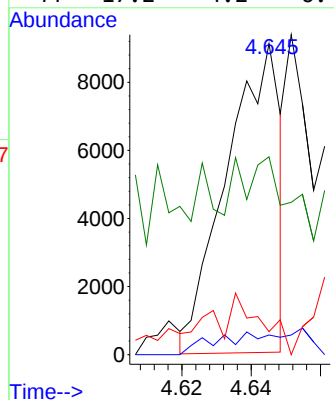


#23
Vinyl Acetate
Concen: 0.117 ppbv
RT: 4.645 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :

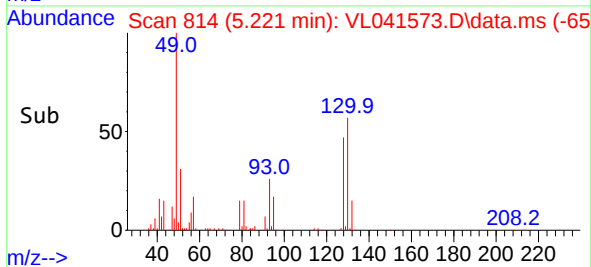
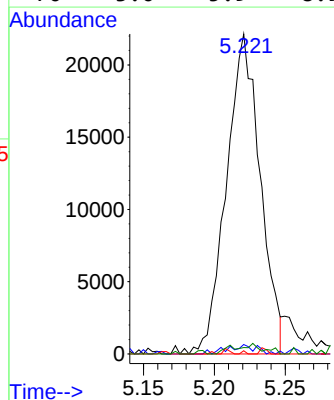
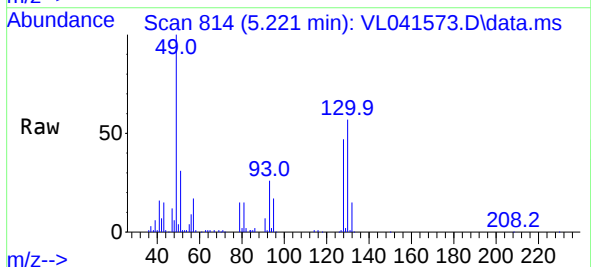


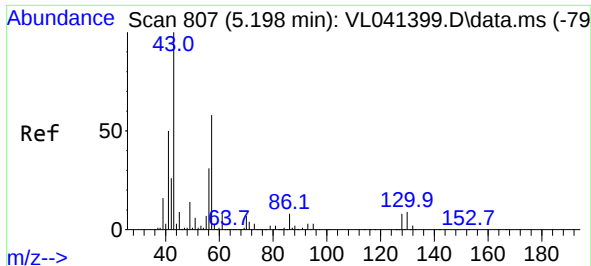
Tgt Ion: 43 Resp: 9726
Ion Ratio Lower Upper
43 100
86 6.8 4.6 6.8
42 0.7 7.9 11.9#
44 17.2 4.2 6.4#



#25
Ethyl Acetate
Concen: 0.169 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

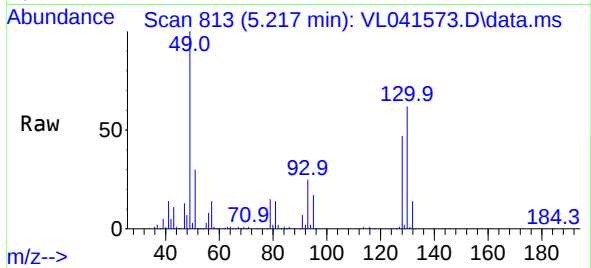
Tgt Ion: 43 Resp: 36736
Ion Ratio Lower Upper
43 100
45 2.6 8.5 12.7#
61 0.9 8.0 12.0#
70 3.0 5.9 8.9#



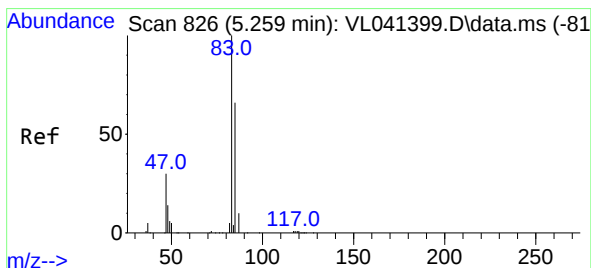
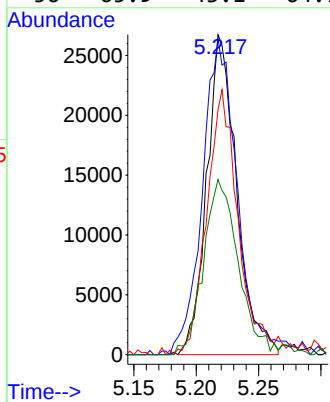
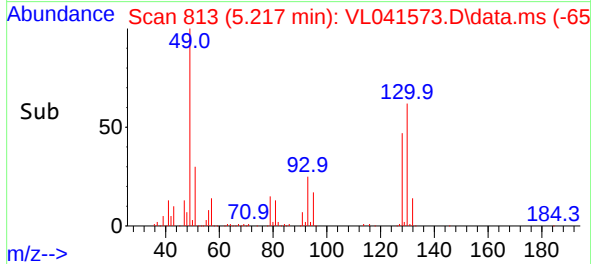


#26
Hexane
Concen: 0.496 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :

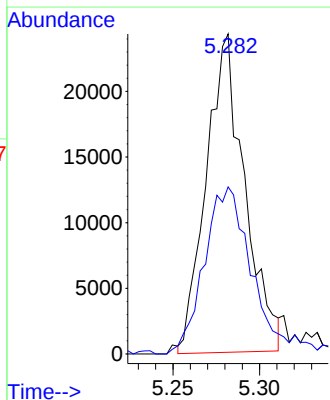
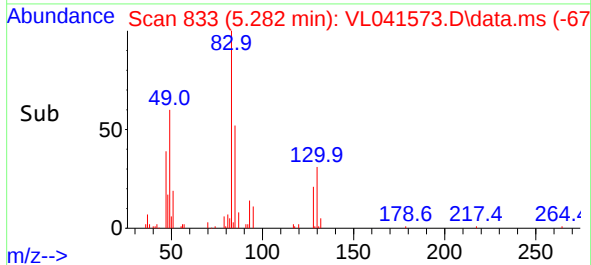
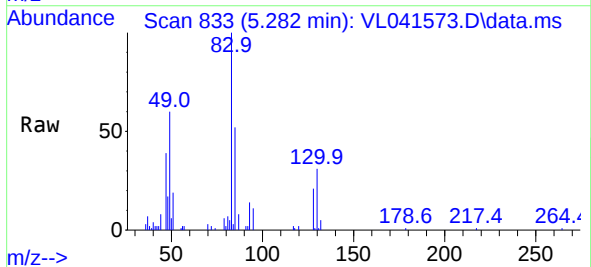


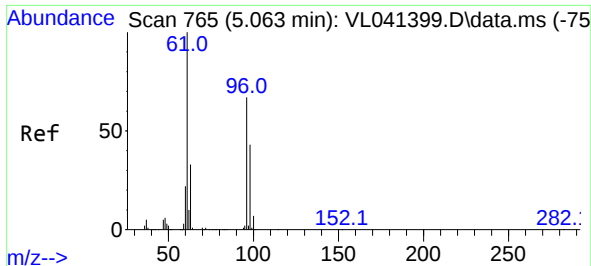
Tgt Ion: 57 Resp: 44675
Ion Ratio Lower Upper
57 100
41 118.0 74.0 111.0#
43 89.1 193.6 290.4#
56 65.9 43.1 64.7#



#29
Chloroform
Concen: 0.255 ppbv
RT: 5.282 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

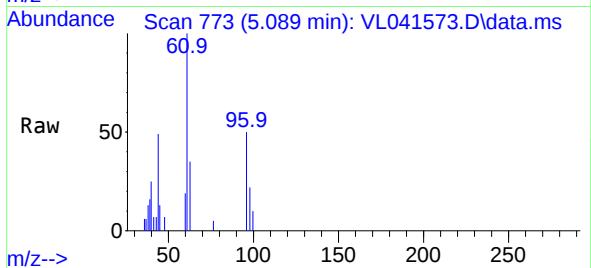
Tgt Ion: 83 Resp: 37462
Ion Ratio Lower Upper
83 100
85 50.9 53.1 79.7#



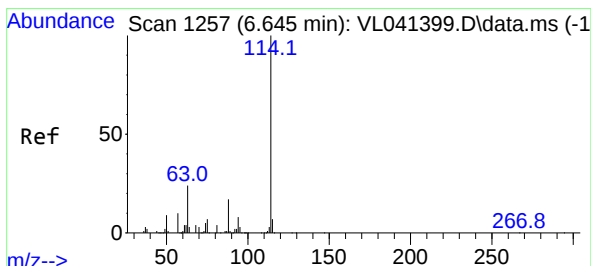
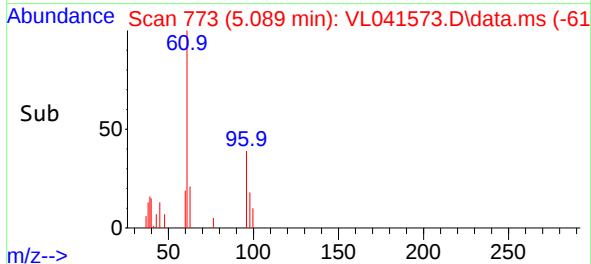
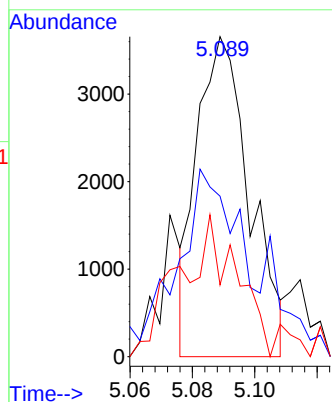


#31
cis-1,2-Dichloroethene
Concen: 0.048 ppbv
RT: 5.089 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :

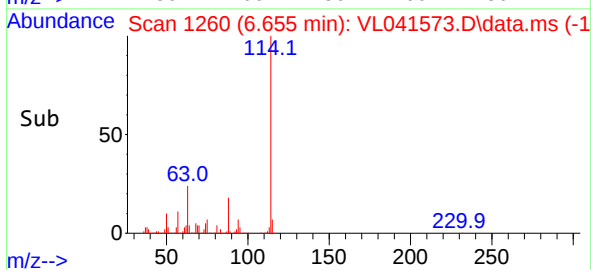
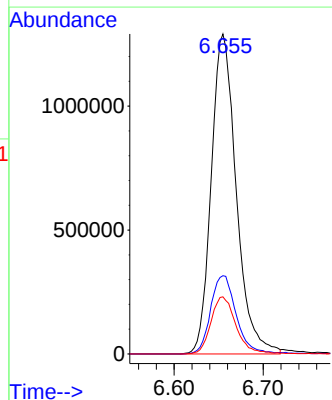
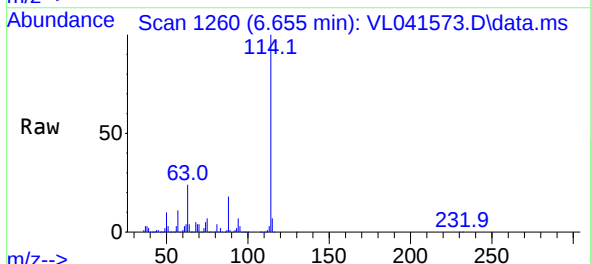


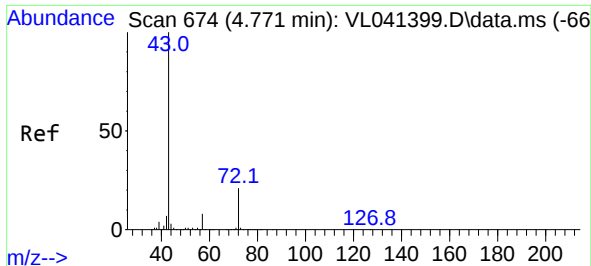
Tgt Ion: 61 Resp: 4279
Ion Ratio Lower Upper
61 100
96 42.9 53.4 80.2#
98 14.9 34.4 51.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

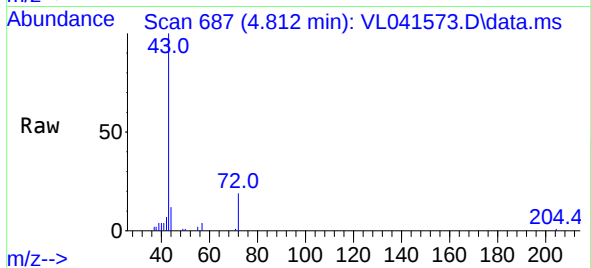
Tgt Ion: 114 Resp: 2520166
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 18.1 14.3 21.5



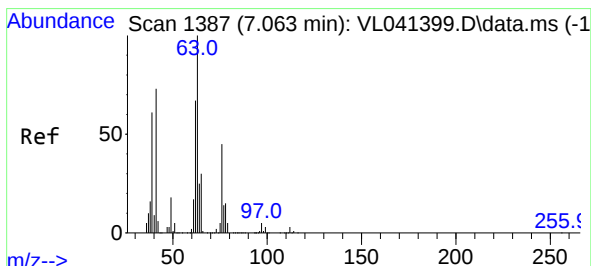
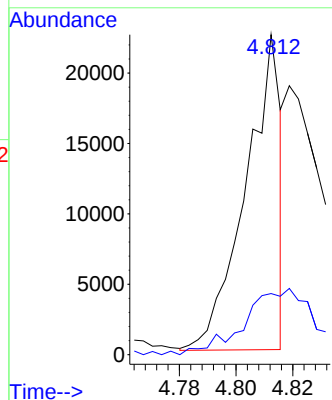
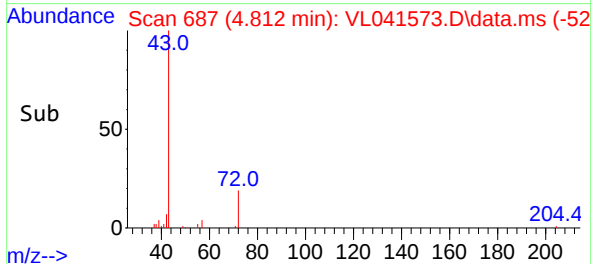


#34
2-Butanone
Concen: 0.158 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

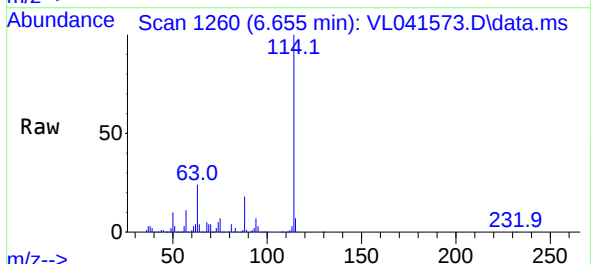
Instrument :
MSVOA_L
ClientSampleId :



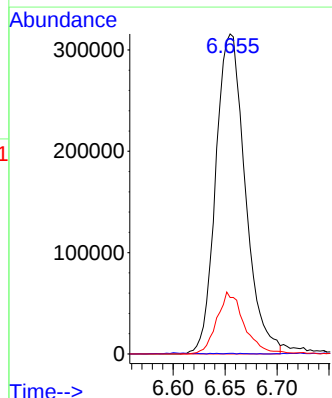
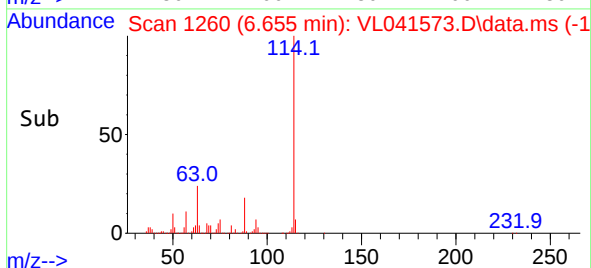
Tgt Ion: 43 Resp: 19276
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9#

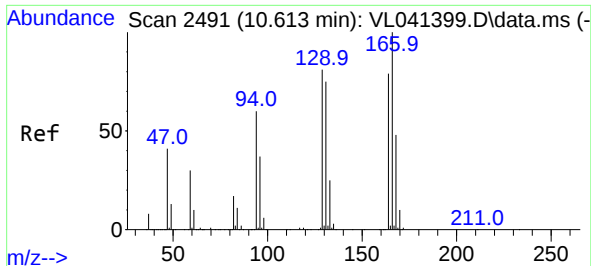


#39
1,2-Dichloropropane
Concen: 8.839 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.421 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02



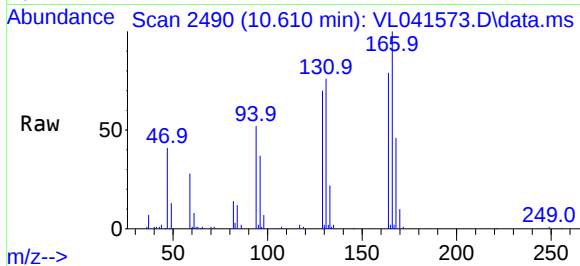
Tgt Ion: 63 Resp: 623176
Ion Ratio Lower Upper
63 100
41 0.1 58.3 87.5#
62 17.7 53.9 80.9#



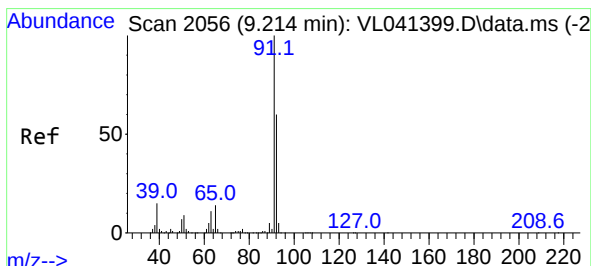
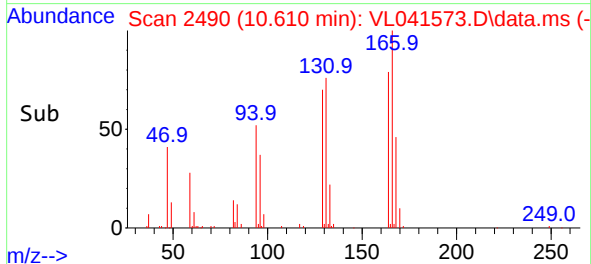
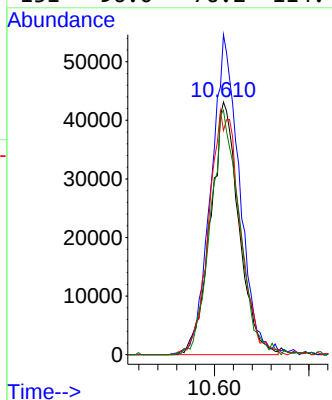


#52
Tetrachloroethene
Concen: 1.267 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :

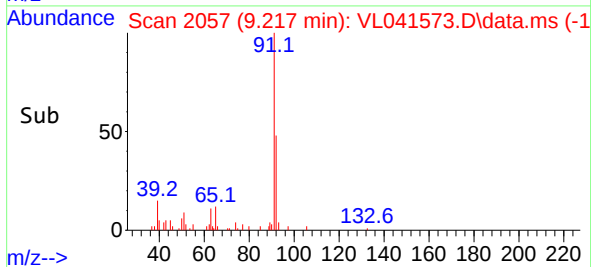
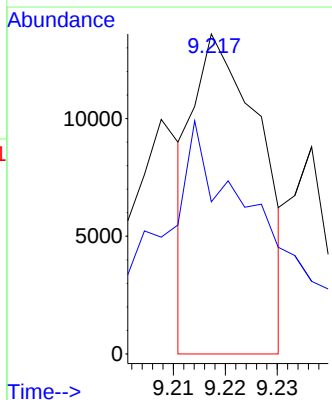
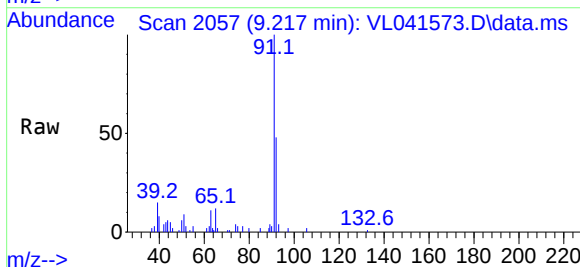


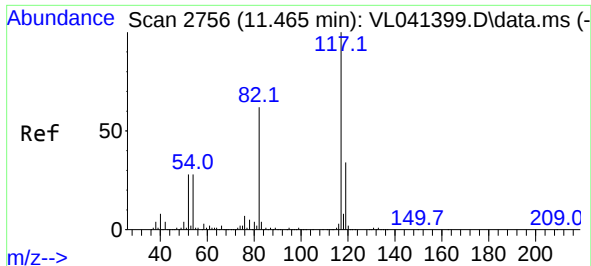
Tgt Ion:164 Resp: 90185
Ion Ratio Lower Upper
164 100
166 126.0 101.1 151.7
129 87.6 81.7 122.5
131 96.0 76.2 114.4



#53
Toluene
Concen: 0.060 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

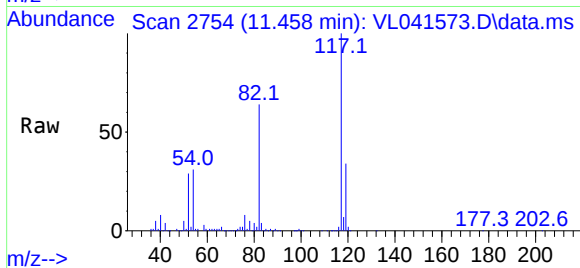
Tgt Ion: 91 Resp: 12208
Ion Ratio Lower Upper
91 100
92 133.5 48.7 73.1#



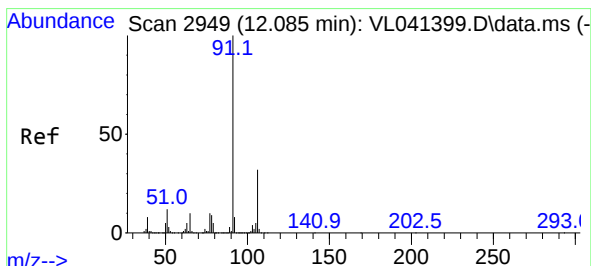
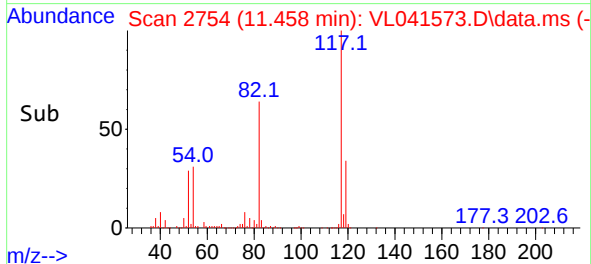
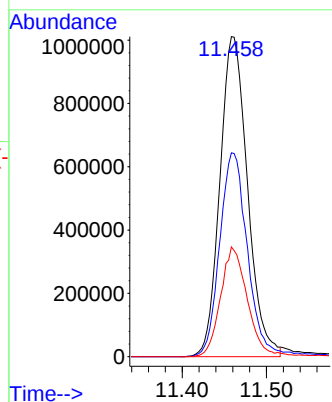


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :

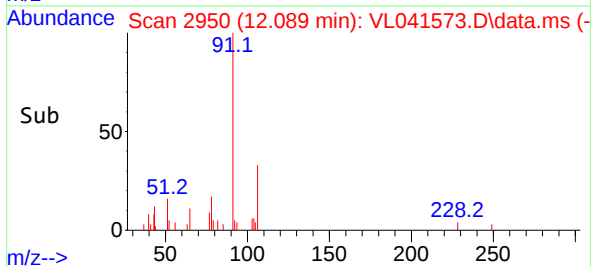
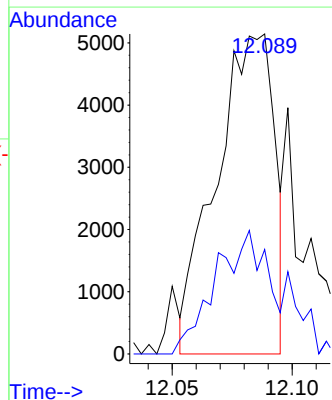
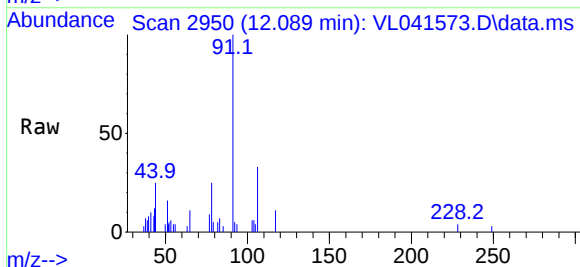


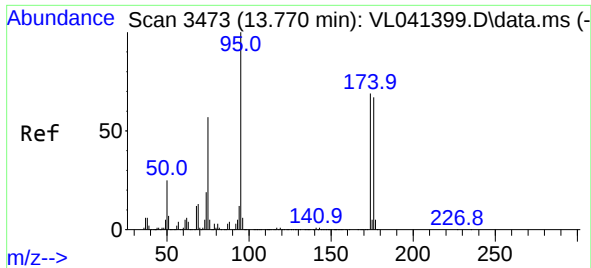
Tgt Ion:117 Resp: 2301291
Ion Ratio Lower Upper
117 100
82 65.7 51.0 76.6
119 33.4 45.2 67.8#



#58
Ethyl Benzene
Concen: 0.033 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VL041573.D
Acq: 21 Aug 2024 19:02

Tgt Ion: 91 Resp: 8728
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.016 ppbv
 RT: 13.770 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL041573.D
 Acq: 21 Aug 2024 19:02

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 1773743
 Ion Ratio Lower Upper
 95 100
 174 70.1 56.3 84.5
 175 5.1 4.0 6.0

