

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041570.D
 Acq On : 21 Aug 2024 16:57
 Operator : SY/MD
 Sample : P3709-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 22 15:46:55 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)

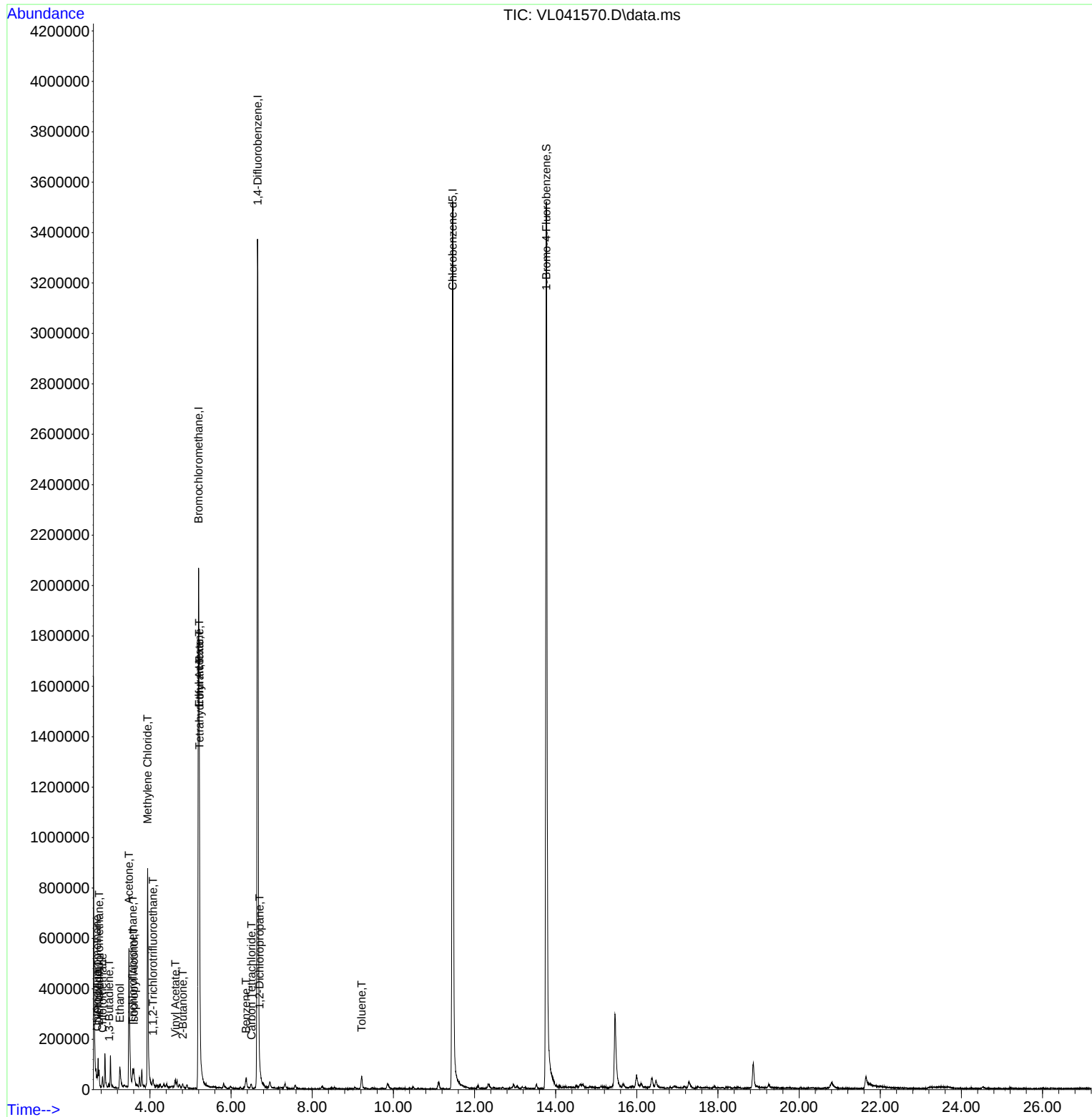
Internal Standards						
1) Bromochloromethane	5.198	49	973707	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2550150	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2327000	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1771394	9.892	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	38357	0.229	ppbv	93
3) Chlorodifluoromethane	2.697	51	50561	0.436	ppbv #	84
4) Chloromethane	2.832	50	32923	0.534	ppbv	100
9) Propene	2.722	41	22406	0.421	ppbv	94
11) Trichlorofluoromethane	3.575	101	34780	0.234	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.079	101	7364	0.069	ppbv	88
13) Ethanol	3.259	45	94059	19.763	ppbv	85
15) Acetone	3.484	43	611007	5.523	ppbv	97
16) 1,3-Butadiene	2.993	39	2292	0.039	ppbv	85
19) Isopropyl Alcohol	3.603	45	56745	0.877	ppbv #	93
20) Methylene Chloride	3.944	84	285675	6.925	ppbv	97
23) Vinyl Acetate	4.629	43	16718	0.198	ppbv #	91
25) Ethyl Acetate	5.218	43	226748	1.032	ppbv #	80
26) Hexane	5.214	57	288995	3.170	ppbv #	40
34) 2-Butanone	4.809	43	10134	0.082	ppbv #	32
35) Carbon Tetrachloride	6.500	117	4550	0.032	ppbv #	60
36) Benzene	6.369	78	26292	0.141	ppbv #	94
39) 1,2-Dichloropropane	6.700	63	11458	0.161	ppbv #	25
41) Tetrahydrofuran	5.221	42	119058	1.687	ppbv #	49
53) Toluene	9.217	91	33909	0.163	ppbv	98

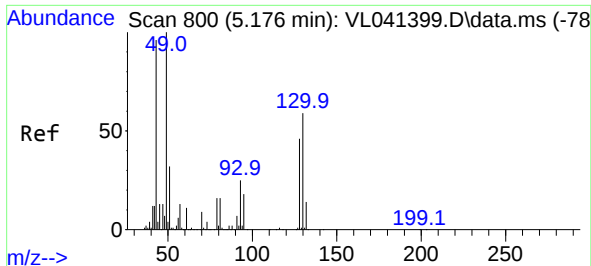
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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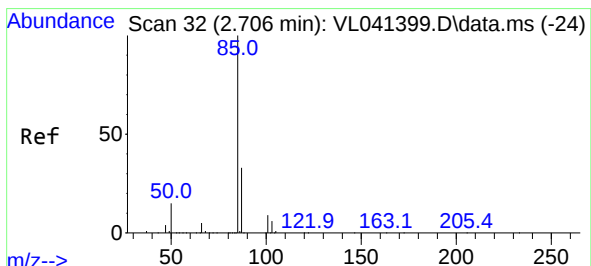
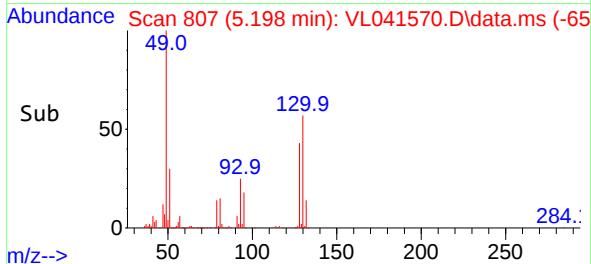
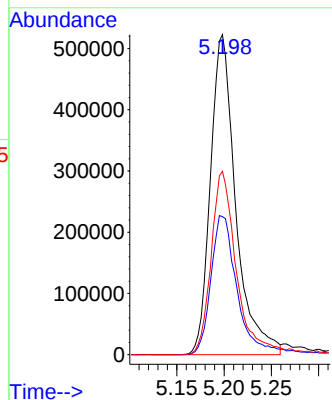
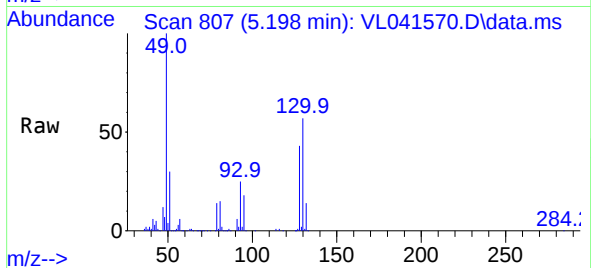




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

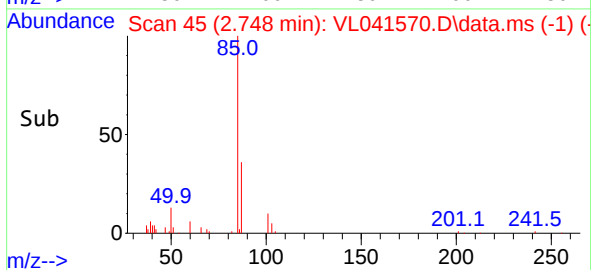
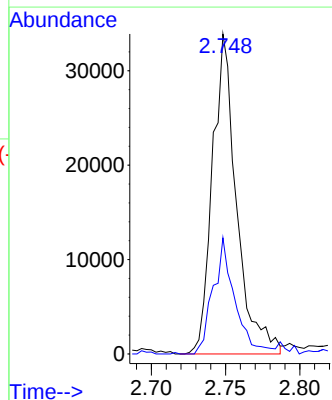
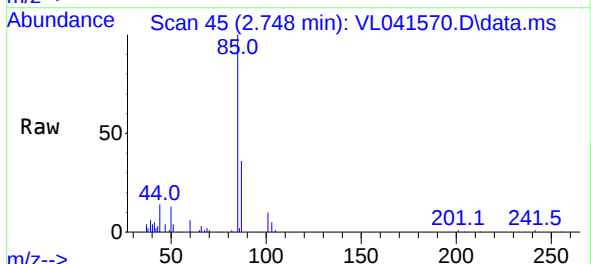
Instrument :
MSVOA_L
ClientSampleId :

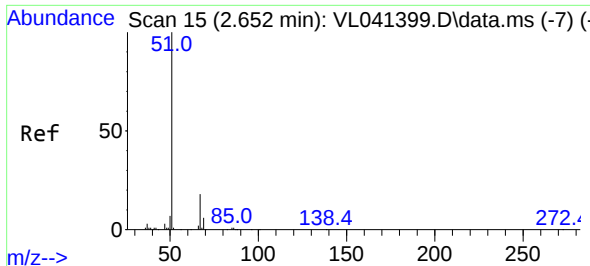
Tgt Ion: 49 Resp: 973707
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.4
130 59.0 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.229 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.006 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 85 Resp: 38357
Ion Ratio Lower Upper
85 100
87 36.3 26.0 39.0

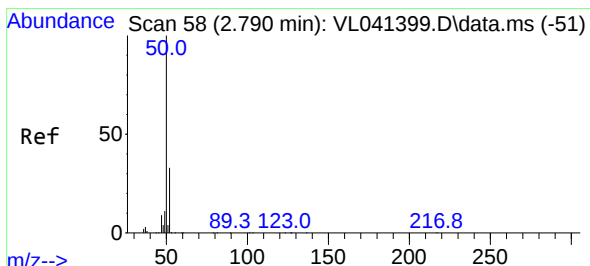
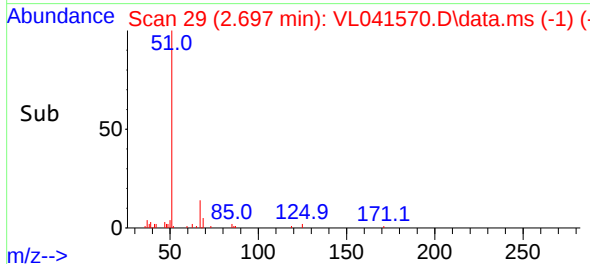
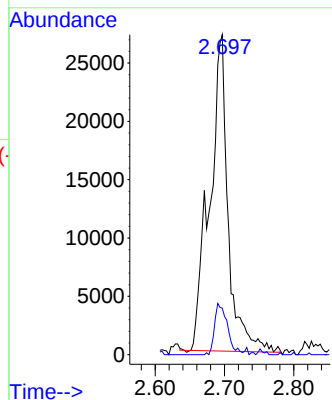
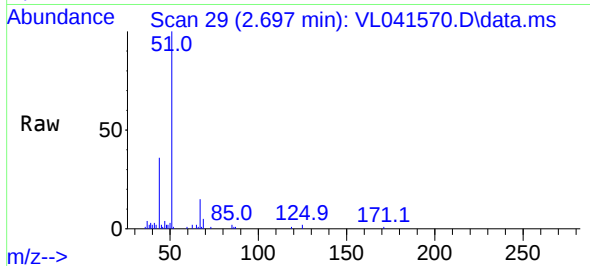




#3
Chlorodifluoromethane
Concen: 0.436 ppbv
RT: 2.697 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

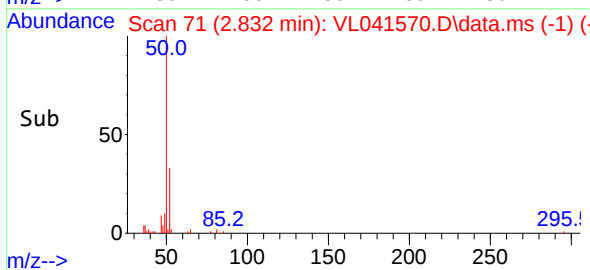
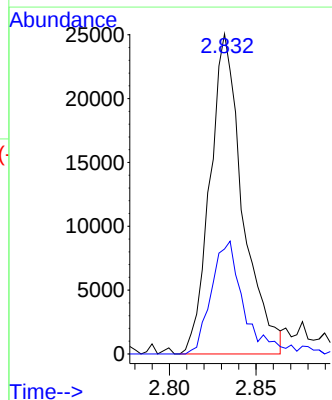
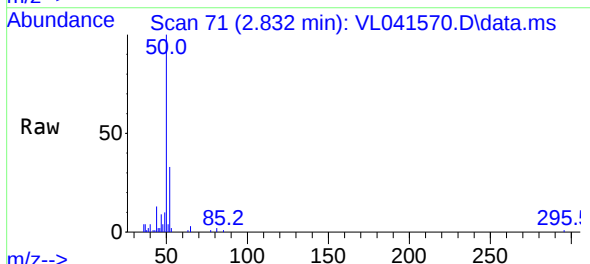
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 50561
Ion Ratio Lower Upper
51 100
67 11.1 14.5 21.7#

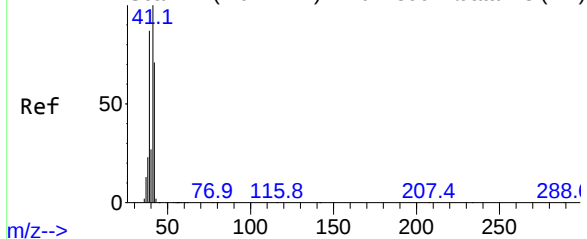


#4
Chloromethane
Concen: 0.534 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 50 Resp: 32923
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1



Abundance Scan 21 (2.671 min): VL041399.D\data.ms (-12)



#9

Propene

Concen: 0.421 ppbv

RT: 2.722 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041570.D

Acq: 21 Aug 2024 16:57

Instrument :

MSVOA_L

ClientSampleId :

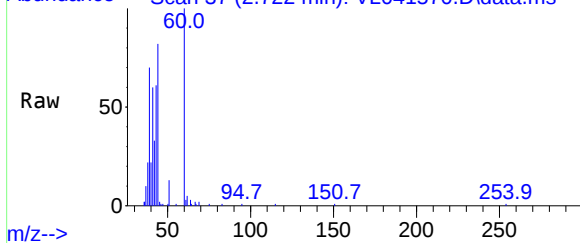
Tgt Ion: 41 Resp: 22406

Ion Ratio Lower Upper

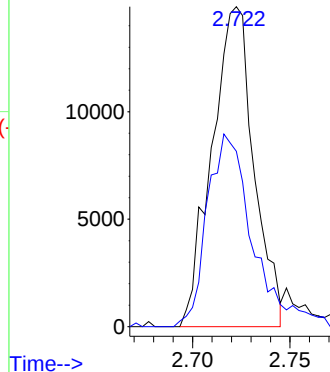
41 100

42 65.1 55.9 83.9

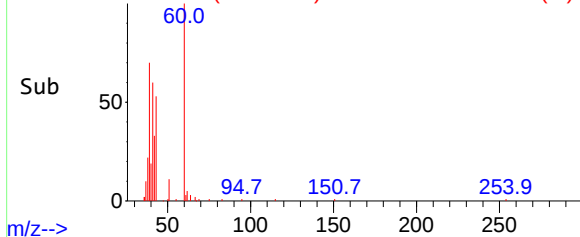
Abundance Scan 37 (2.722 min): VL041570.D\data.ms



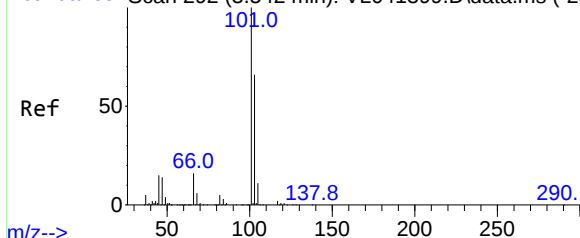
Abundance



Abundance Scan 37 (2.722 min): VL041570.D\data.ms (-1) (-14)



Abundance Scan 292 (3.542 min): VL041399.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.234 ppbv

RT: 3.575 min Scan# 302

Delta R.T. 0.003 min

Lab File: VL041570.D

Acq: 21 Aug 2024 16:57

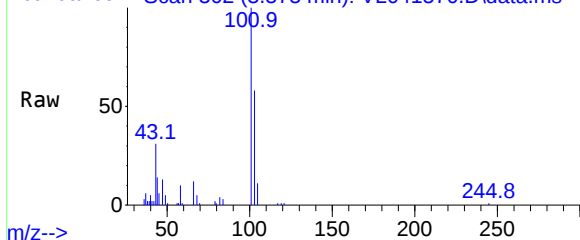
Tgt Ion: 101 Resp: 34780

Ion Ratio Lower Upper

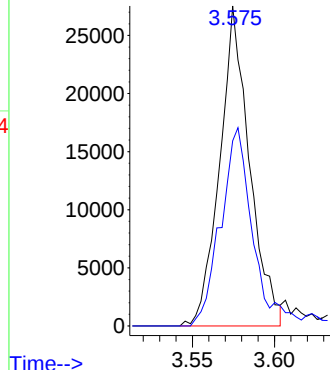
101 100

103 57.8 52.6 79.0

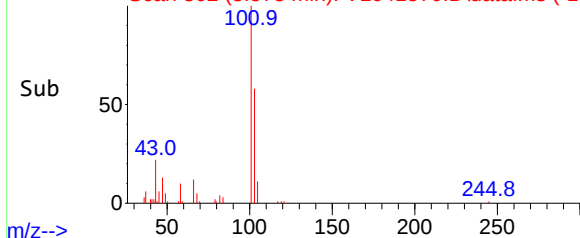
Abundance Scan 302 (3.575 min): VL041570.D\data.ms

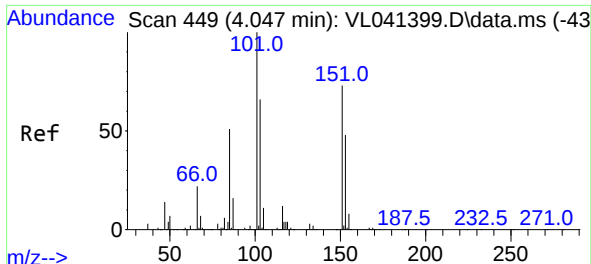


Abundance



Abundance Scan 302 (3.575 min): VL041570.D\data.ms (-14)

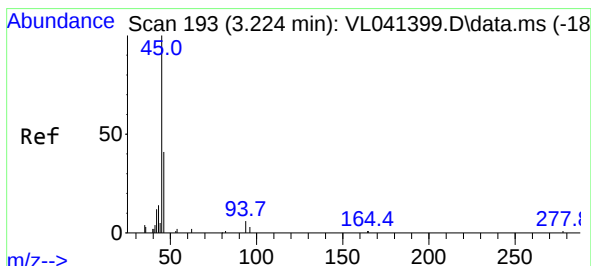
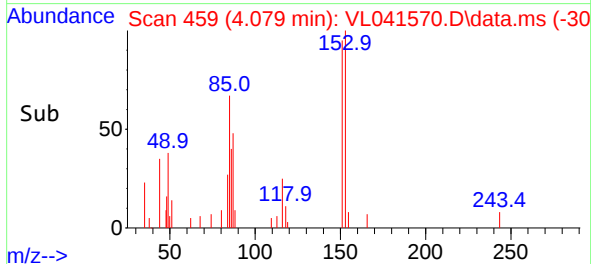
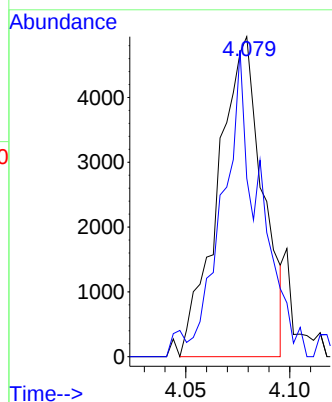
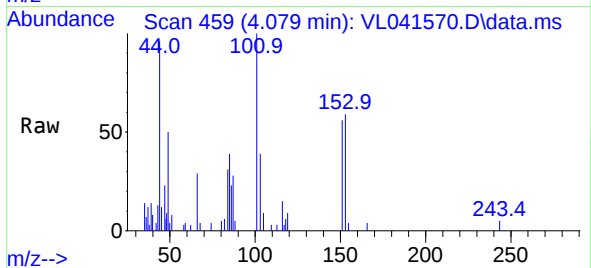




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.069 ppbv
RT: 4.079 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

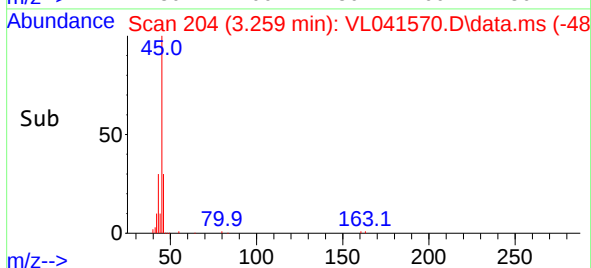
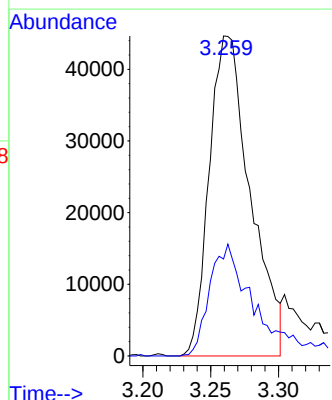
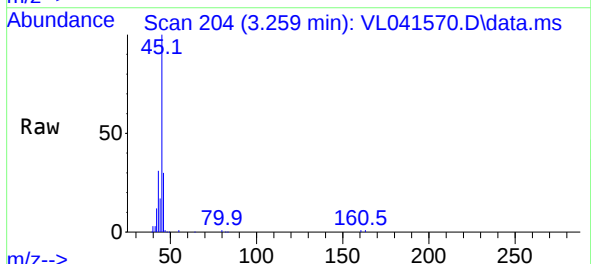
Instrument :
MSVOA_L
ClientSampleId :

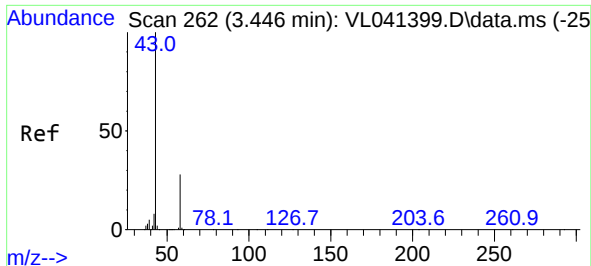
Tgt Ion:101 Resp: 7364
Ion Ratio Lower Upper
101 100
151 84.3 59.4 89.2



#13
Ethanol
Concen: 19.763 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.000 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 45 Resp: 94059
Ion Ratio Lower Upper
45 100
46 41.8 13.4 53.4

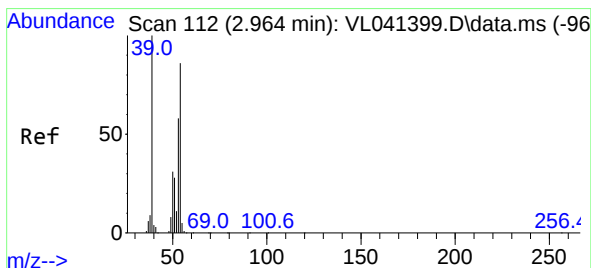
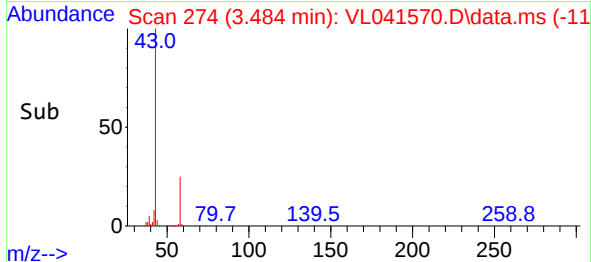
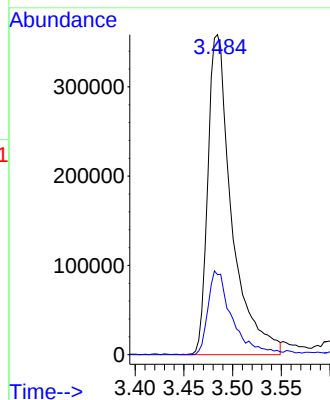
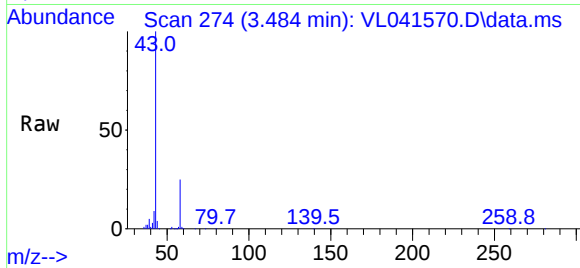




#15
Acetone
Concen: 5.523 ppbv
RT: 3.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

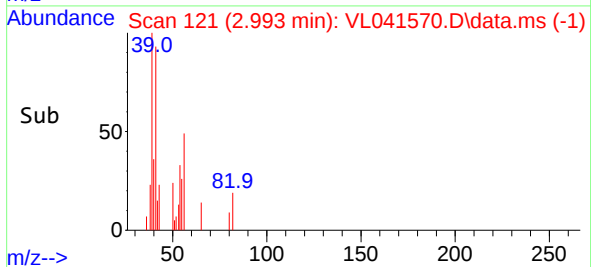
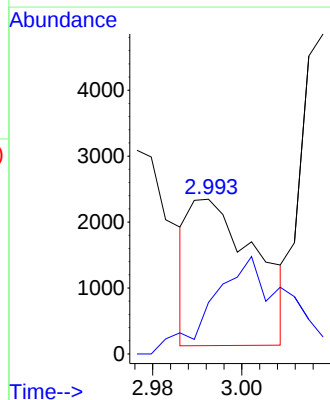
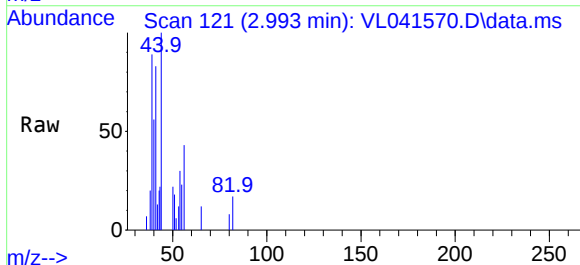
Instrument :
MSVOA_L
ClientSampleId :

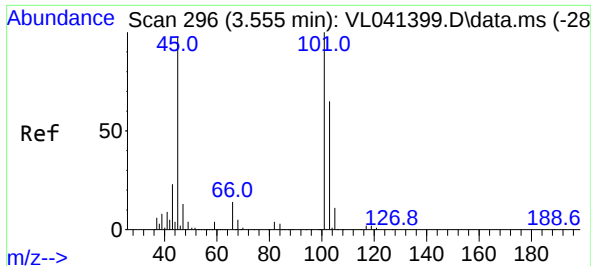
Tgt Ion: 43 Resp: 611007
Ion Ratio Lower Upper
43 100
58 28.1 21.4 32.2



#16
1,3-Butadiene
Concen: 0.039 ppbv
RT: 2.993 min Scan# 121
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 39 Resp: 2292
Ion Ratio Lower Upper
39 100
54 91.0 62.5 93.7





#19

Isopropyl Alcohol

Concen: 0.877 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.019 min

Lab File: VL041570.D

Acq: 21 Aug 2024 16:57

Instrument :

MSVOA_L

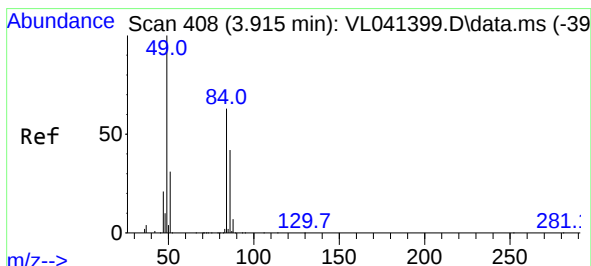
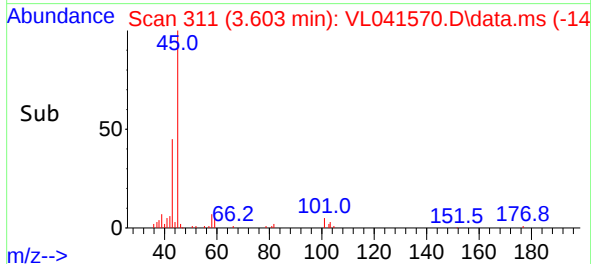
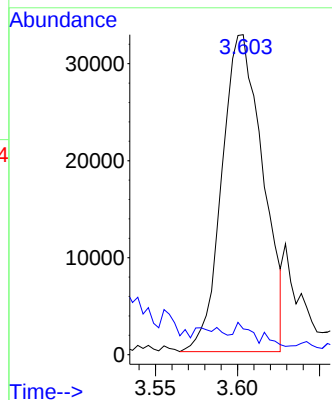
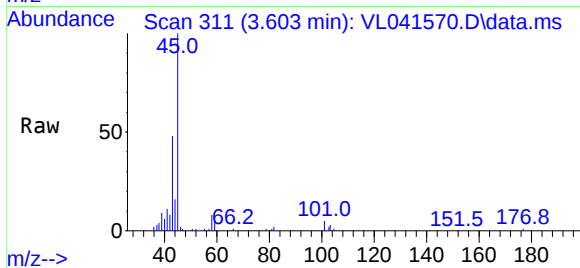
ClientSampleId :

Tgt Ion: 45 Resp: 56745

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 6.925 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.003 min

Lab File: VL041570.D

Acq: 21 Aug 2024 16:57

Tgt Ion: 84 Resp: 285675

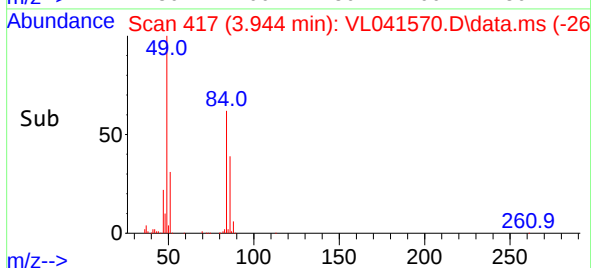
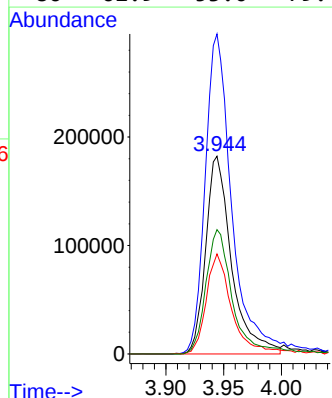
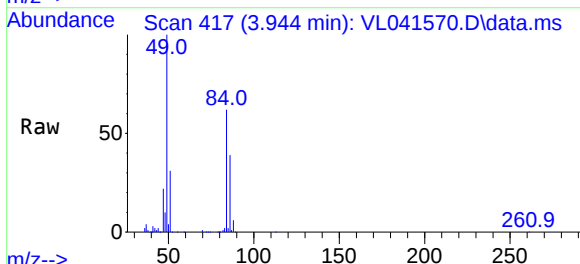
Ion Ratio Lower Upper

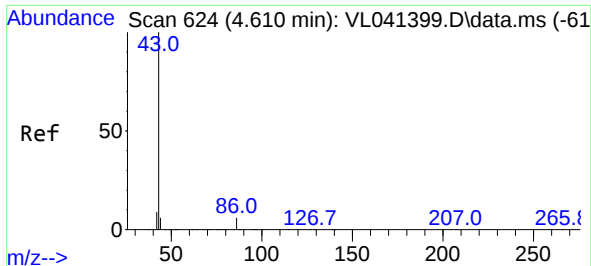
84 100

49 161.6 126.6 190.0

51 50.4 38.6 58.0

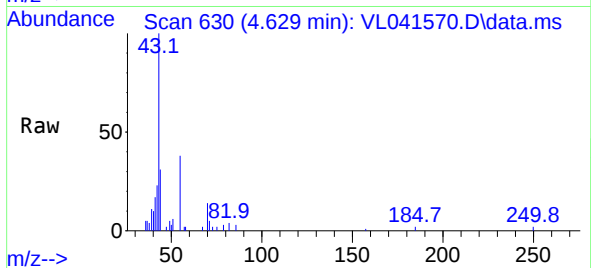
86 62.9 53.0 79.4



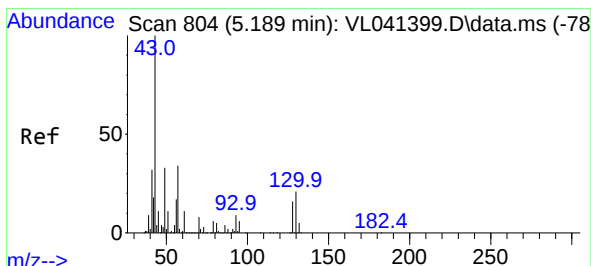
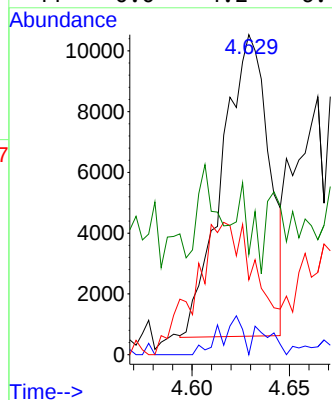
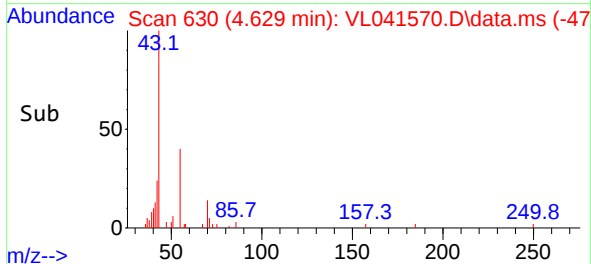


#23
Vinyl Acetate
Concen: 0.198 ppbv
RT: 4.629 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Instrument :
MSVOA_L
ClientSampleId :

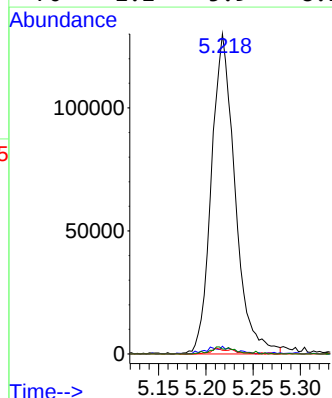
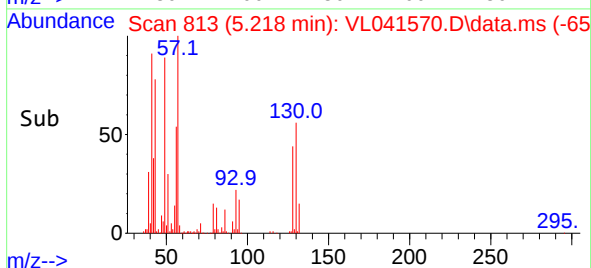
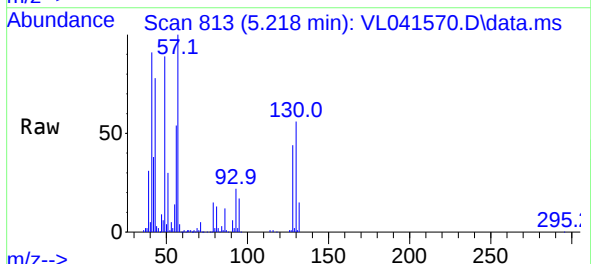


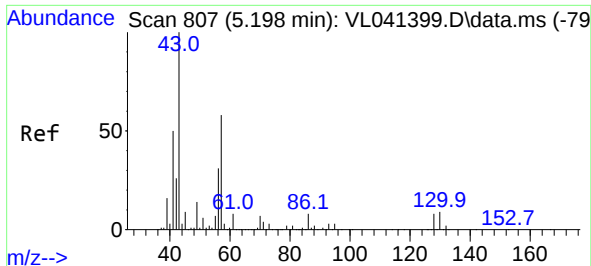
Tgt Ion: 43 Resp: 16718
Ion Ratio Lower Upper
43 100
86 0.0 4.6 6.8#
42 9.7 7.9 11.9
44 0.0 4.2 6.4#



#25
Ethyl Acetate
Concen: 1.032 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

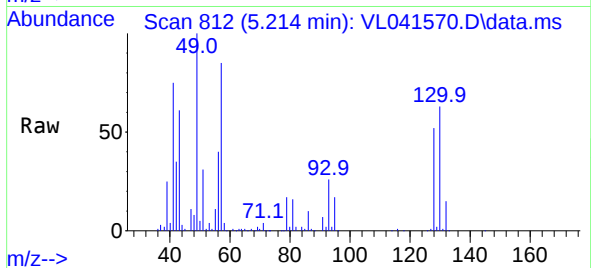
Tgt Ion: 43 Resp: 226748
Ion Ratio Lower Upper
43 100
45 2.7 8.5 12.7#
61 1.7 8.0 12.0#
70 2.2 5.9 8.9#



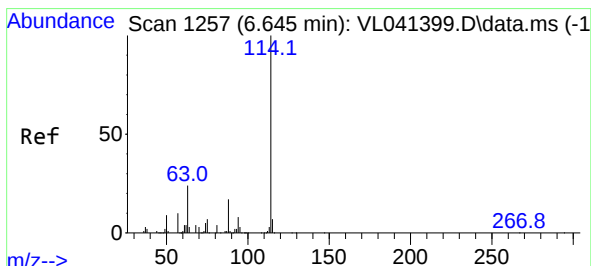
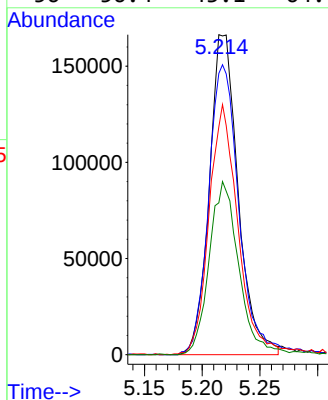
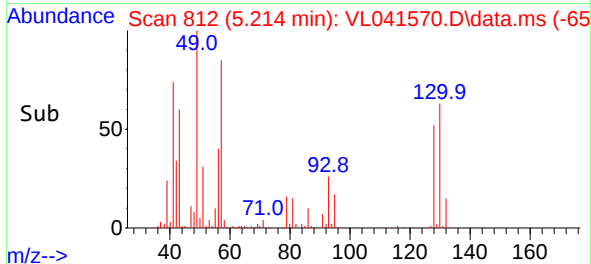


#26
Hexane
Concen: 3.170 ppbv
RT: 5.214 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

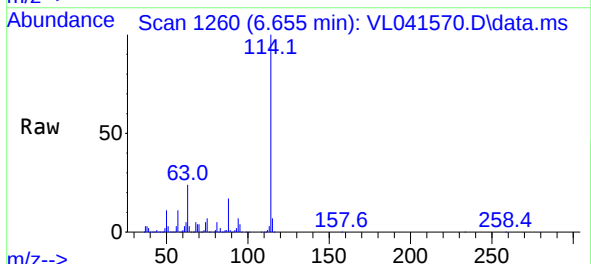
Instrument :
MSVOA_L
ClientSampleId :



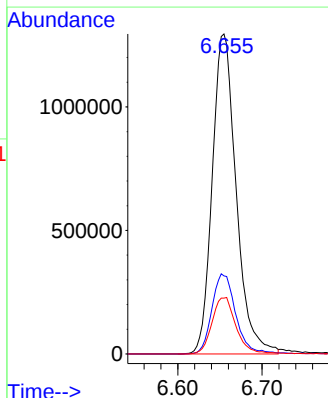
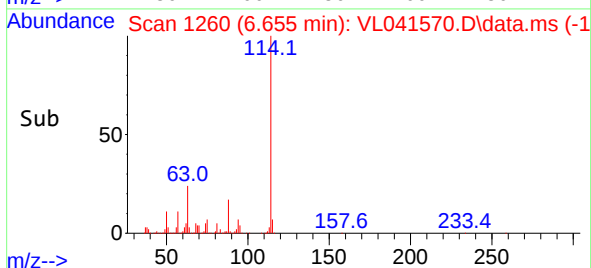
Tgt Ion: 57 Resp: 288995
Ion Ratio Lower Upper
57 100
41 96.6 74.0 111.0
43 80.4 193.6 290.4#
56 56.4 43.1 64.7

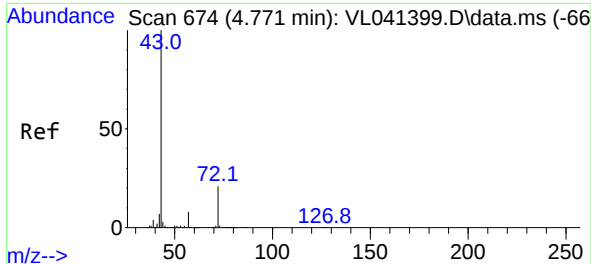


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57



Tgt Ion:114 Resp: 2550150
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.9 14.3 21.5

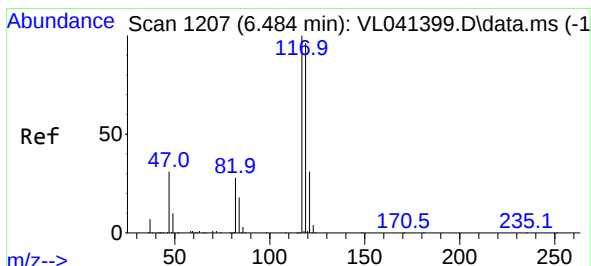
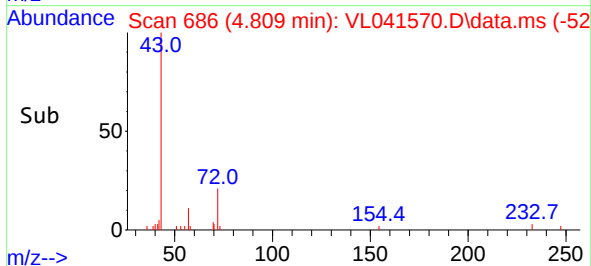
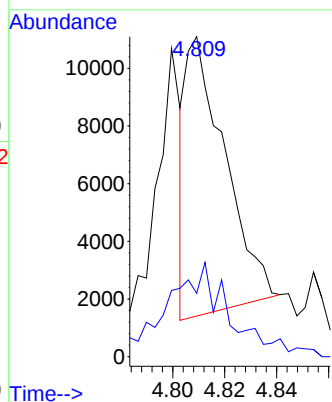
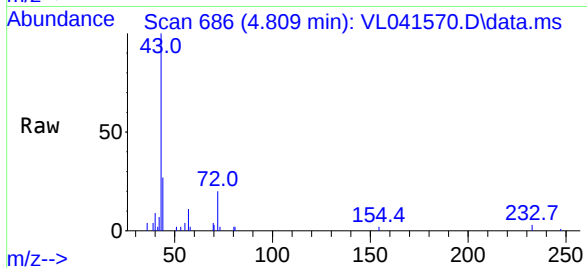




#34
2-Butanone
Concen: 0.082 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

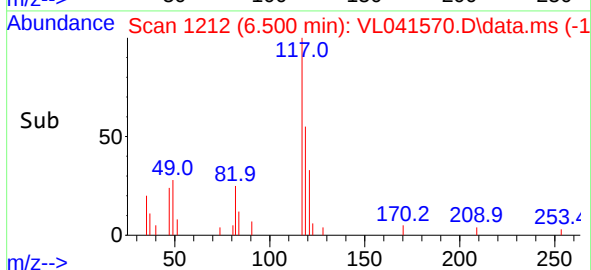
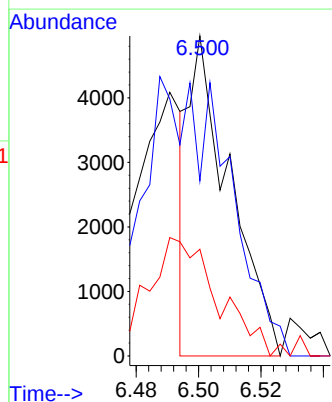
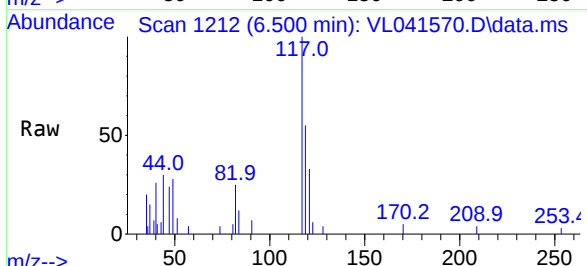
Instrument :
MSVOA_L
ClientSampleId :

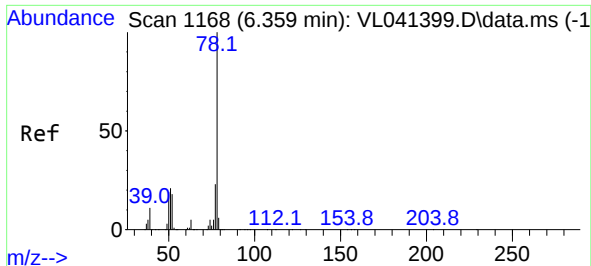
Tgt Ion: 43 Resp: 10134
Ion Ratio Lower Upper
43 100
72 53.6 17.3 25.9#



#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 6.500 min Scan# 1212
Delta R.T. 0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 117 Resp: 4550
Ion Ratio Lower Upper
117 100
119 45.4 76.6 115.0#
121 29.6 25.1 37.7

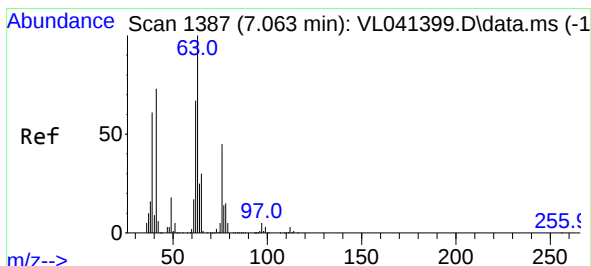
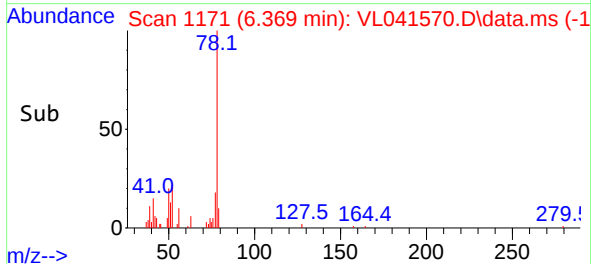
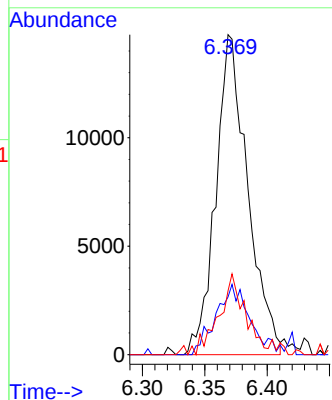
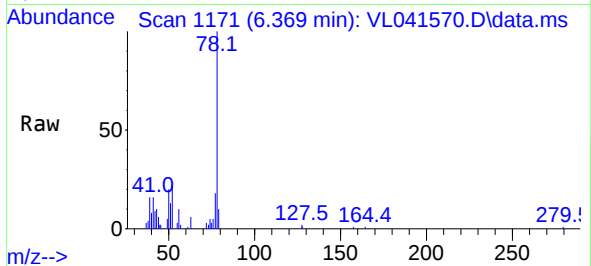




#36
Benzene
Concen: 0.141 ppbv
RT: 6.369 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

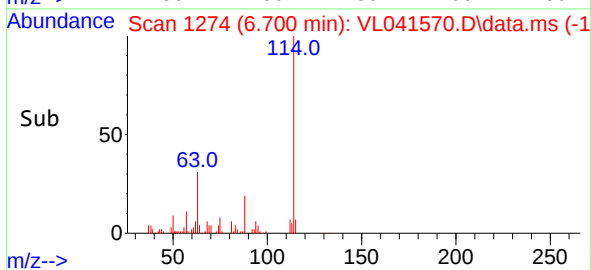
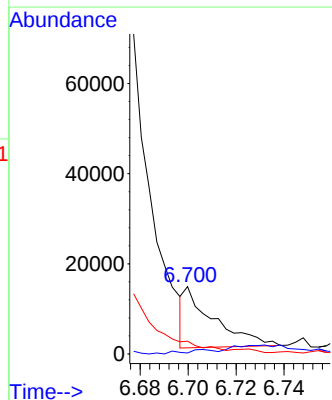
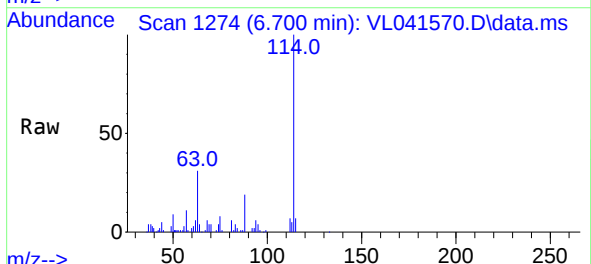
Instrument :
MSVOA_L
ClientSampleId :

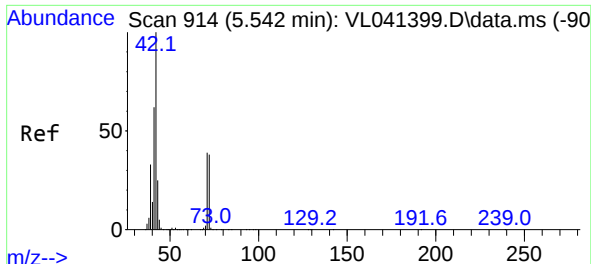
Tgt Ion: 78 Resp: 26292
Ion Ratio Lower Upper
78 100
77 18.1 18.1 27.1#
50 18.7 15.5 23.3



#39
1,2-Dichloropropane
Concen: 0.161 ppbv
RT: 6.700 min Scan# 1274
Delta R.T. -0.376 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 63 Resp: 11458
Ion Ratio Lower Upper
63 100
41 0.0 58.3 87.5#
62 18.2 53.9 80.9#

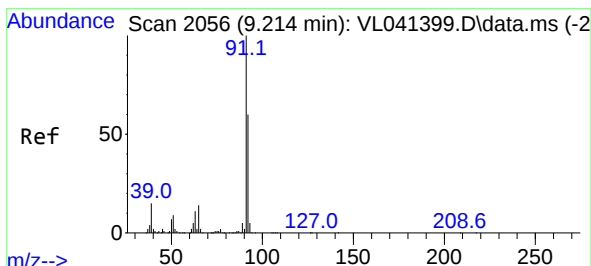
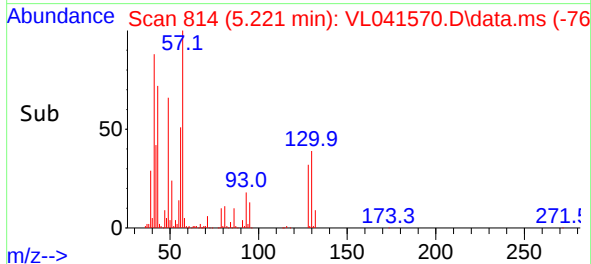
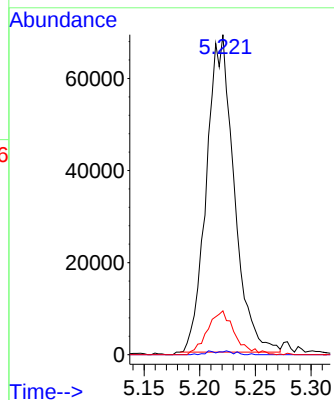
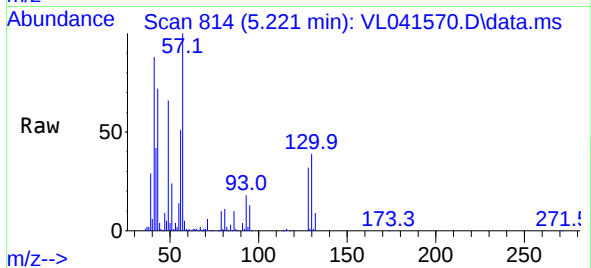




#41
Tetrahydrofuran
Concen: 1.687 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.341 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

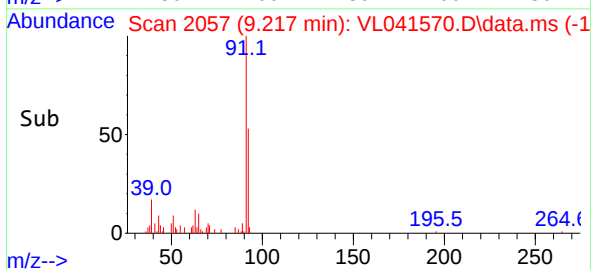
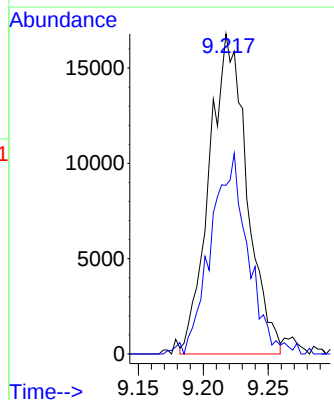
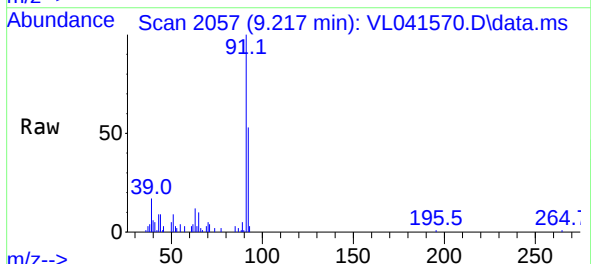
Instrument :
MSVOA_L
ClientSampleId :

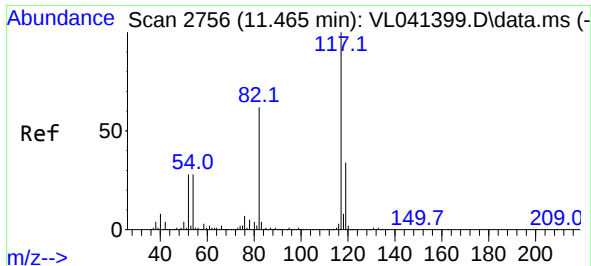
Tgt Ion: 42 Resp: 119058
Ion Ratio Lower Upper
42 100
72 1.0 31.2 46.8#
71 13.8 30.5 45.7#



#53
Toluene
Concen: 0.163 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

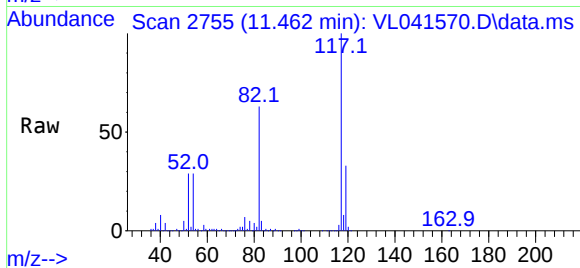
Tgt Ion: 91 Resp: 33909
Ion Ratio Lower Upper
91 100
92 62.1 48.7 73.1



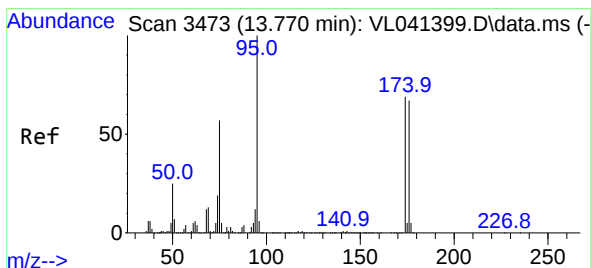
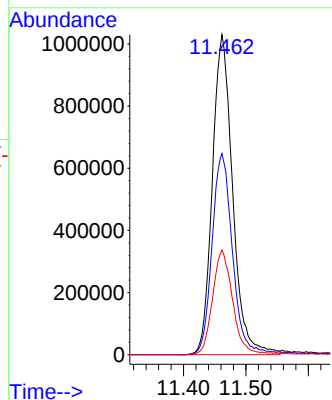
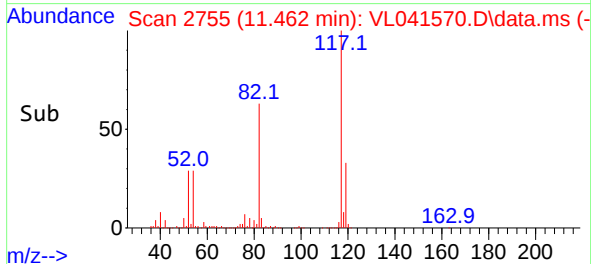


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2327000
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 32.9 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.892 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041570.D
Acq: 21 Aug 2024 16:57

Tgt Ion: 95 Resp: 1771394
Ion Ratio Lower Upper
95 100
174 72.1 56.3 84.5
175 5.0 4.0 6.0

