

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042304.D
 Acq On : 10 Apr 2025 12:30
 Operator : SY/MD
 Sample : Q1772-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: Apr 11 01:57:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

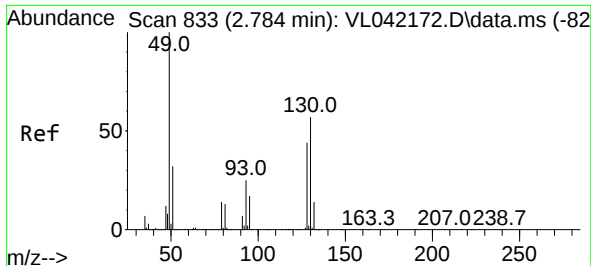
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	190869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	468438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	410794	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	311735	9.241	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11229	0.398	ppbv	92
3) Chlorodifluoromethane	1.476	51	16900	0.587	ppbv	95
4) Chloromethane	1.531	50	8836	0.767	ppbv	99
5) Vinyl Chloride	1.486	62	536	0.044	ppbv #	48
6) Bromomethane	1.667	94	157	0.030	ppbv #	17
7) Chloroethane	1.700	64	245	0.053	ppbv #	76
9) Propene	1.489	41	169820	12.869	ppbv #	62
10) Heptane	4.975	43	2458	0.070	ppbv #	28
11) Trichlorofluoromethane	1.878	101	7008	0.256	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	1429	0.063	ppbv	91
13) Ethanol	1.732	45	3523206	2824.355	ppbv	82
15) Acetone	1.836	43	200174	7.499	ppbv	98
16) 1,3-Butadiene	1.622	39	471174	36.143	ppbv #	14
17) tert-Butyl alcohol	2.049	59	2237	0.067	ppbv #	71
19) Isopropyl Alcohol	1.891	45	75444	5.009	ppbv #	49
20) Methylene Chloride	2.062	84	4808	0.484	ppbv	89
21) Allyl Chloride	1.842	41	26823	1.425	ppbv #	21
23) Vinyl Acetate	2.454	43	52631	4.555	ppbv #	91
25) Ethyl Acetate	2.836	43	92780	1.339	ppbv #	94
26) Hexane	2.823	57	9628	0.360	ppbv #	1
27) Carbon Disulfide	2.149	76	2929	0.102	ppbv #	61
29) Chloroform	2.849	83	17808	0.455	ppbv	93
31) cis-1,2-Dichloroethene	2.836	61	10608	0.390	ppbv #	25
34) 2-Butanone	2.561	43	25992	0.765	ppbv	94
35) Carbon Tetrachloride	3.758	117	2161	0.059	ppbv #	64
36) Benzene	3.658	78	13836	0.298	ppbv #	93
39) 1,2-Dichloropropane	3.956	63	121432	7.180	ppbv #	22
41) Tetrahydrofuran	3.062	42	9240	0.472	ppbv #	52
53) Toluene	6.927	91	8972	0.163	ppbv #	66
58) Ethyl Benzene	9.348	91	2674	0.037	ppbv	90
60) o-Xylene	9.532	91	5686	0.097	ppbv	91
69) p-Isopropyltoluene	11.927	119	4836	0.050	ppbv	93
74) 1,2,4-Trimethylbenzene	11.536	105	4390	0.060	ppbv #	69
75) 1,3-Dichlorobenzene	11.672	146	7913	0.197	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	7913	0.198	ppbv	98
77) 1,2-Dichlorobenzene	11.672	146	7913	0.203	ppbv	96

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

Quant Time: Apr 11 01:57:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

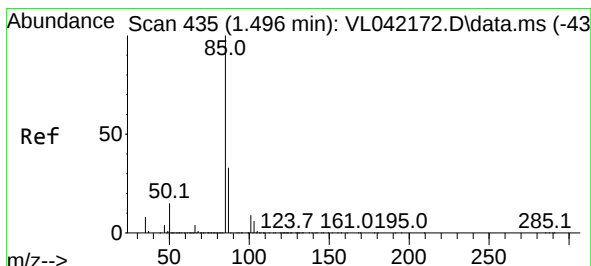
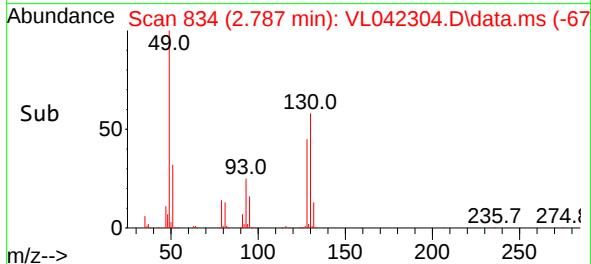
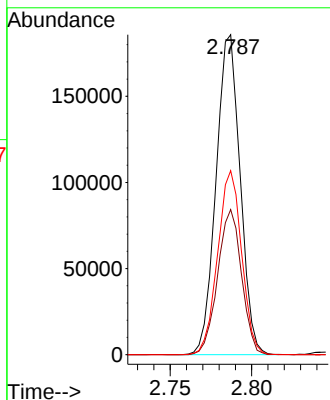
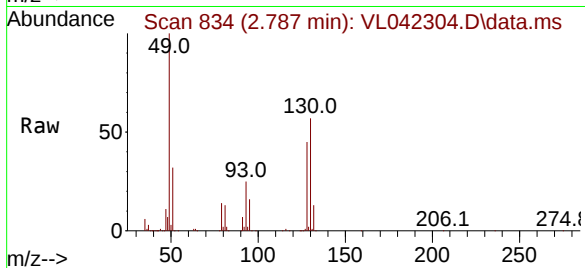




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

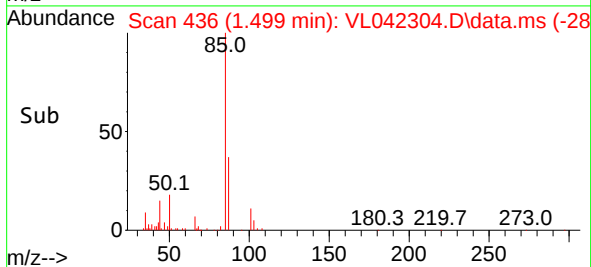
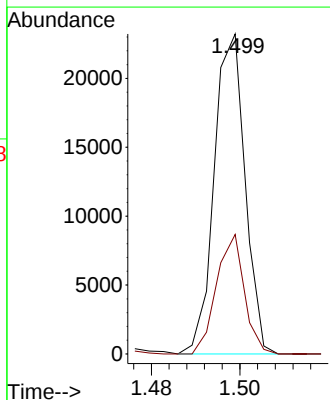
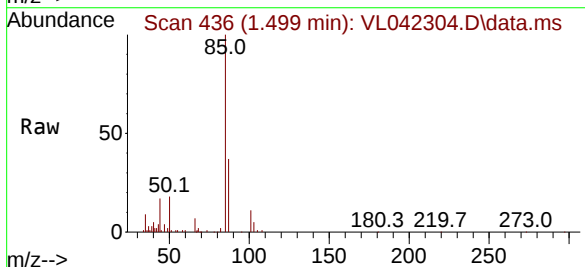
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

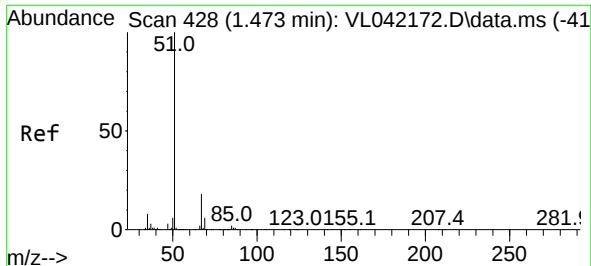
Tgt Ion: 49 Resp: 190869
 Ion Ratio Lower Upper
 49 100
 128 44.9 22.9 68.5
 130 57.2 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.398 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

Tgt Ion: 85 Resp: 11229
 Ion Ratio Lower Upper
 85 100
 87 37.3 26.1 39.1

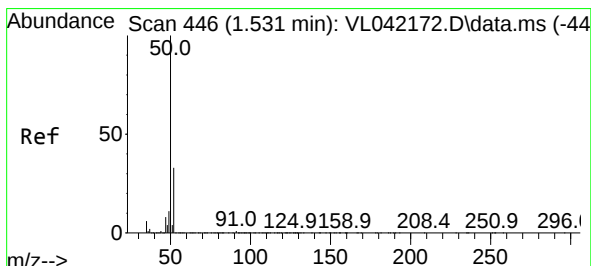
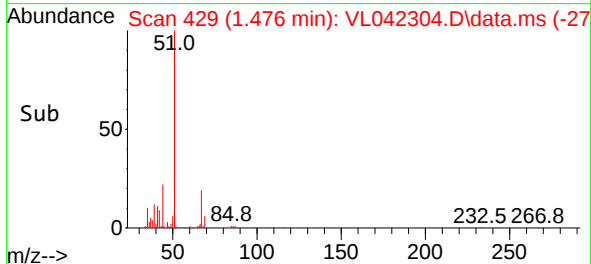
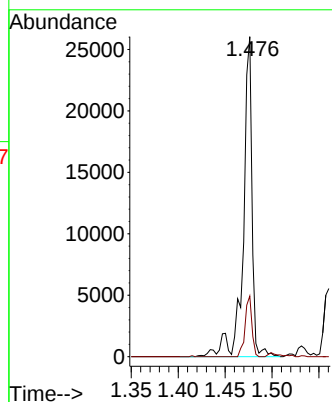
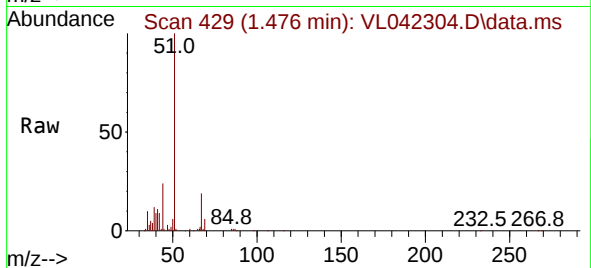




#3
Chlorodifluoromethane
Concen: 0.587 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

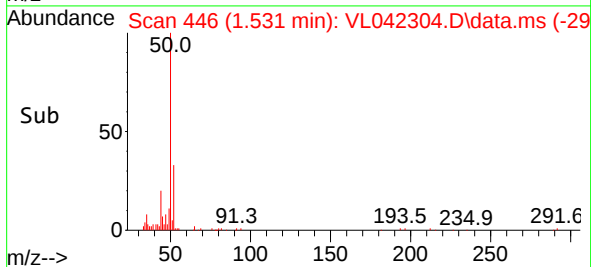
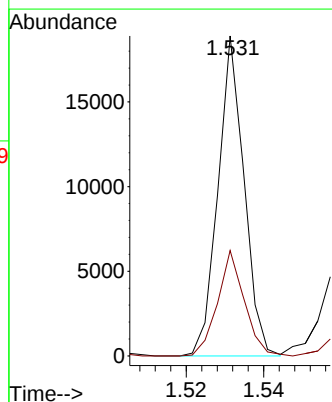
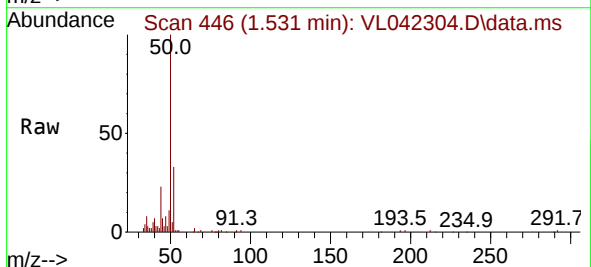
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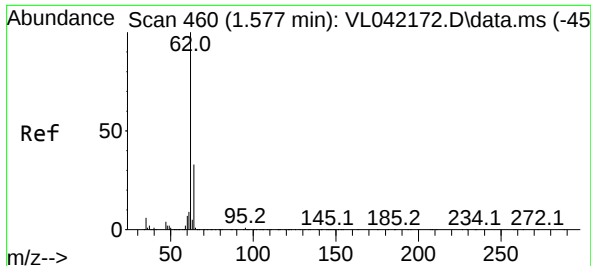
Tgt Ion: 51 Resp: 16900
Ion Ratio Lower Upper
51 100
67 16.5 15.0 22.6



#4
Chloromethane
Concen: 0.767 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 50 Resp: 8836
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1

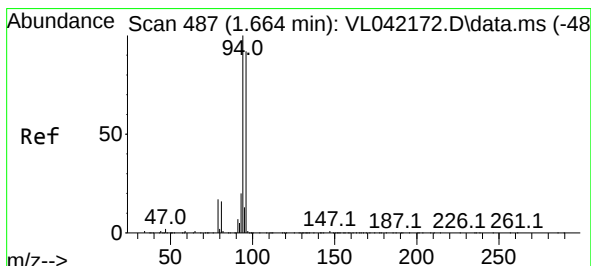
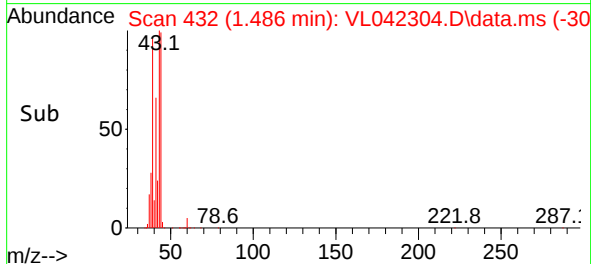
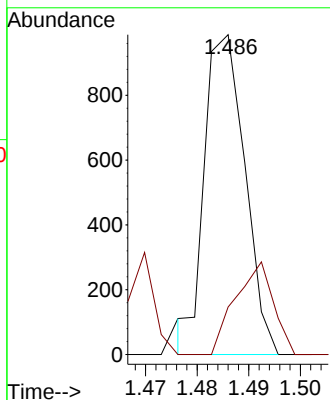
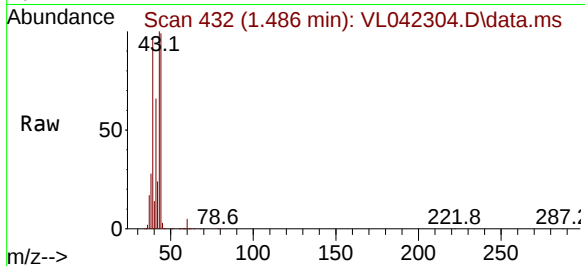




#5
 Vinyl Chloride
 Concen: 0.044 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.091 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

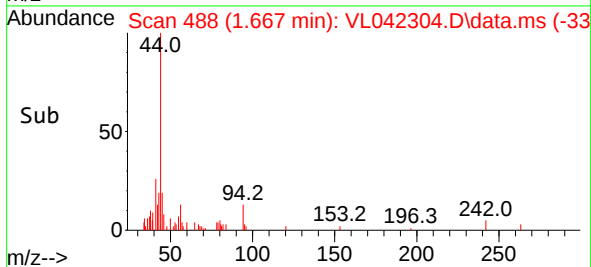
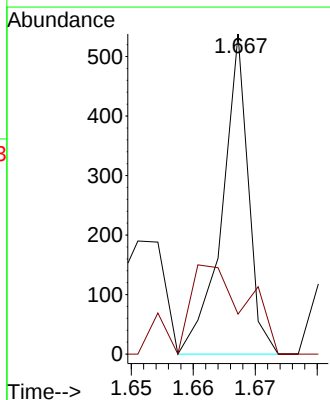
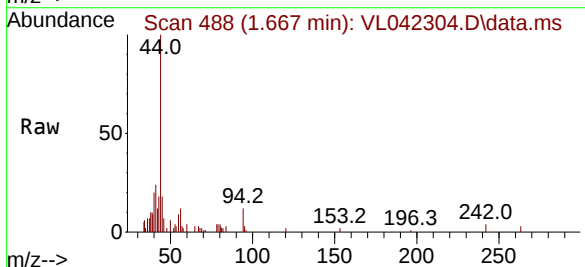
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

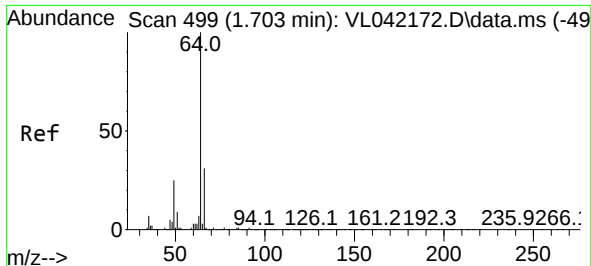
Tgt Ion: 62 Resp: 536
 Ion Ratio Lower Upper
 62 100
 64 3.5 26.6 40.0#



#6
 Bromomethane
 Concen: 0.030 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

Tgt Ion: 94 Resp: 157
 Ion Ratio Lower Upper
 94 100
 96 12.5 73.1 109.7#

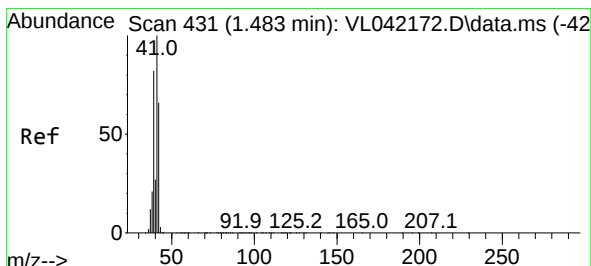
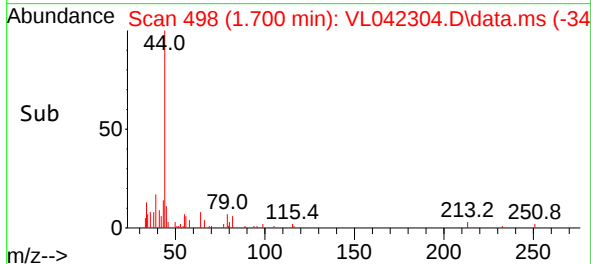
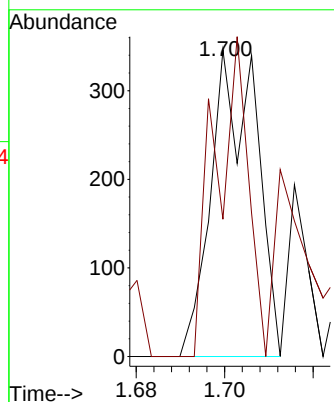
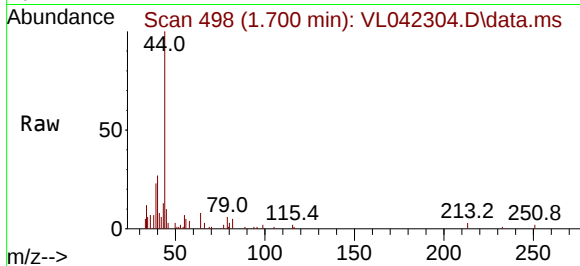




#7
Chloroethane
Concen: 0.053 ppbv
RT: 1.700 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

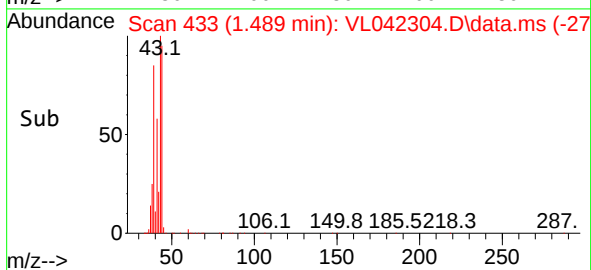
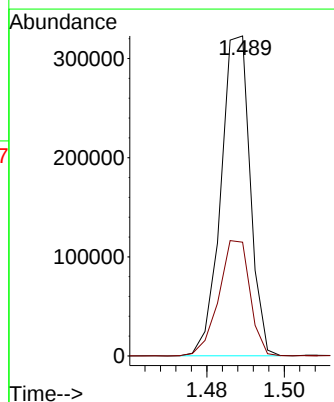
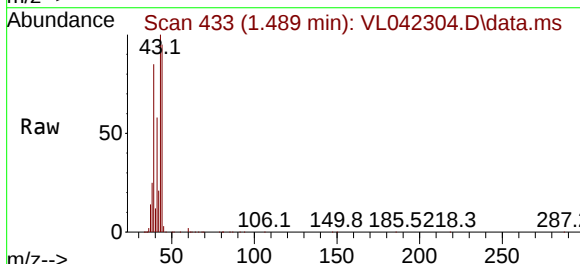
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

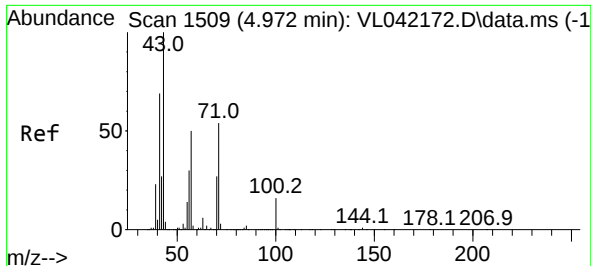
Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 44.8 25.2 37.8#



#9
Propene
Concen: 12.869 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 41 Resp: 169820
Ion Ratio Lower Upper
41 100
42 38.6 55.4 83.2#

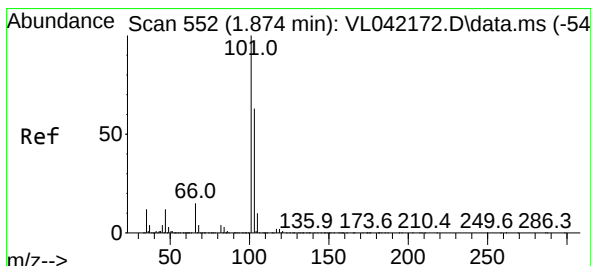
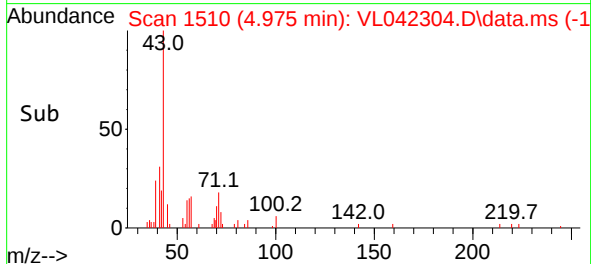
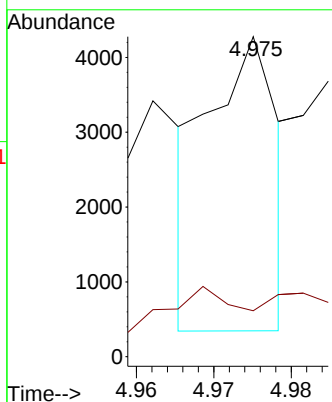
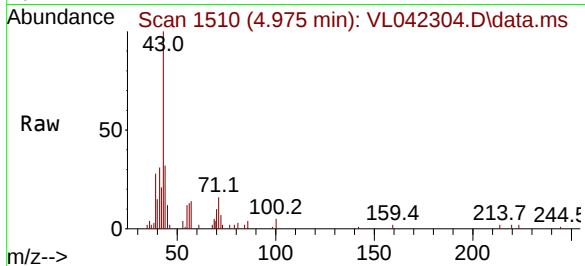




#10
 Heptane
 Concen: 0.070 ppbv
 RT: 4.975 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

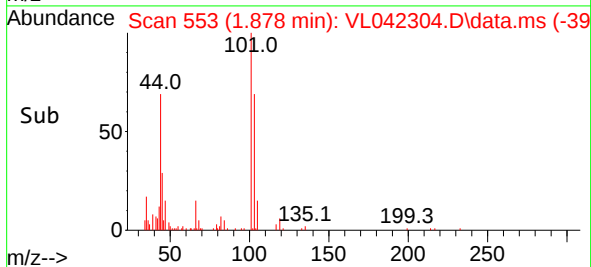
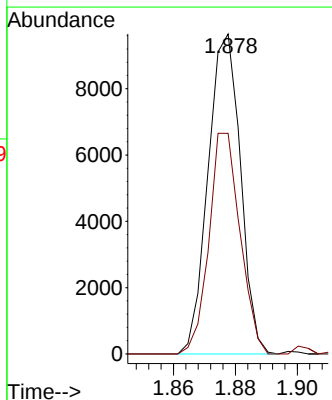
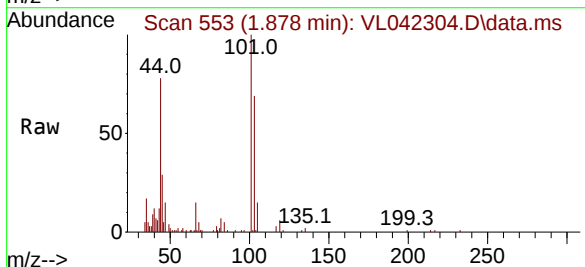
Instrument :
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 ClientSampleId :
 IA1DUP

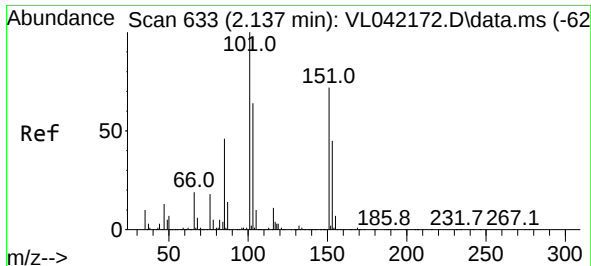
Tgt Ion: 43 Resp: 2458
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.4 59.2#



#11
 Trichlorofluoromethane
 Concen: 0.256 ppbv
 RT: 1.878 min Scan# 553
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

Tgt Ion: 101 Resp: 7008
 Ion Ratio Lower Upper
 101 100
 103 69.0 50.2 75.2

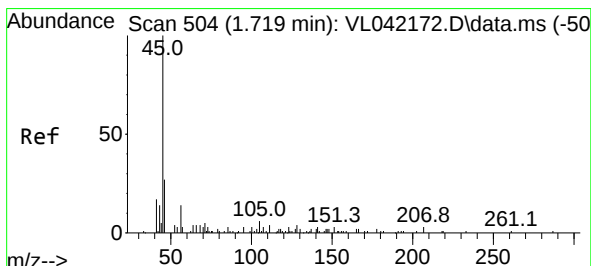
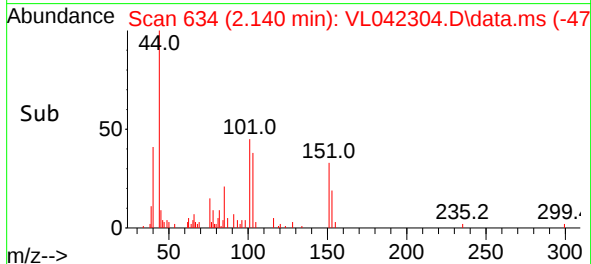
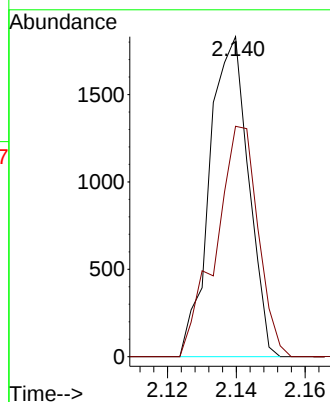
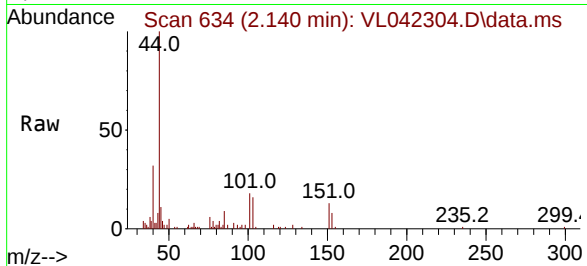




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.063 ppbv
RT: 2.140 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

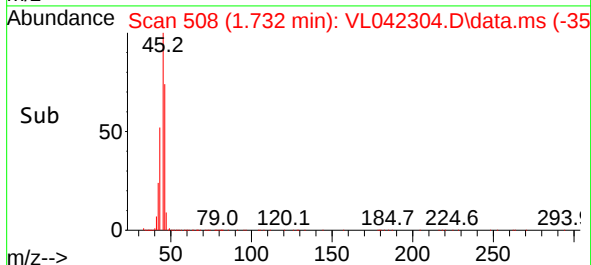
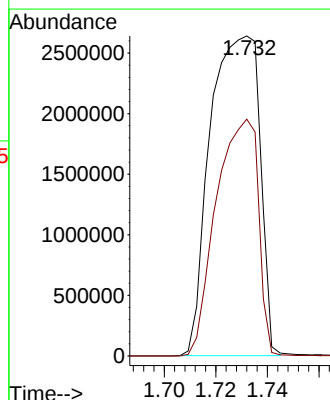
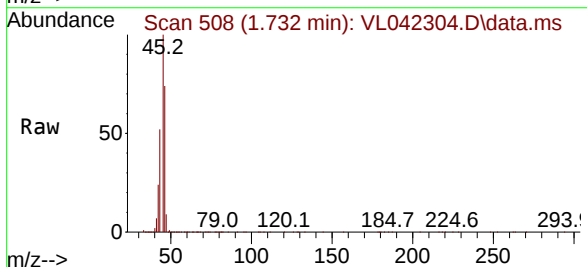
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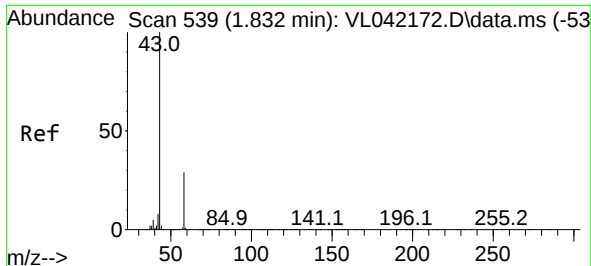
Tgt Ion:101 Resp: 1429
Ion Ratio Lower Upper
101 100
151 78.7 57.1 85.7



#13
Ethanol
Concen: 2824.355 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 45 Resp: 3523206
Ion Ratio Lower Upper
45 100
46 63.1 20.2 80.8





#15

Acetone

Concen: 7.499 ppbv

RT: 1.836 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

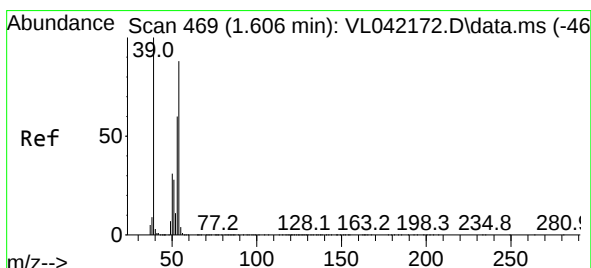
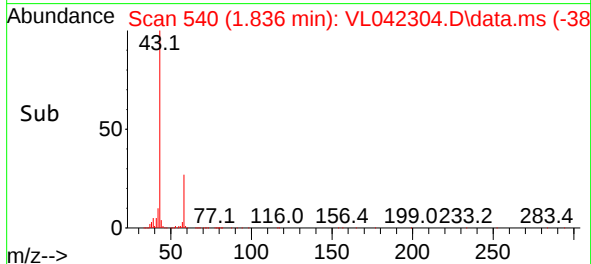
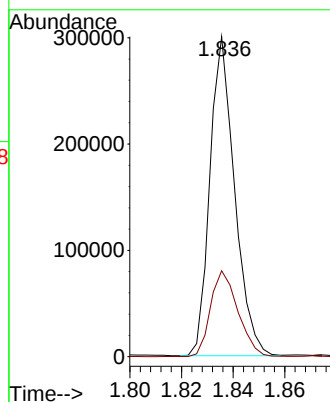
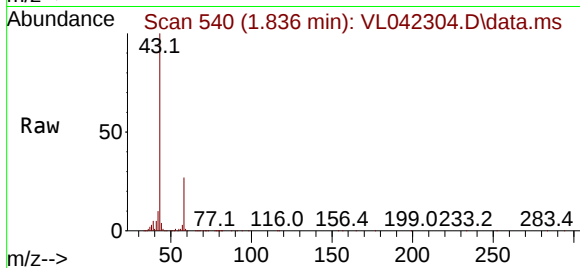
IA1DUP

Tgt Ion: 43 Resp: 200174

Ion Ratio Lower Upper

43 100

58 30.1 23.2 34.8



#16

1,3-Butadiene

Concen: 36.143 ppbv

RT: 1.622 min Scan# 474

Delta R.T. 0.016 min

Lab File: VL042304.D

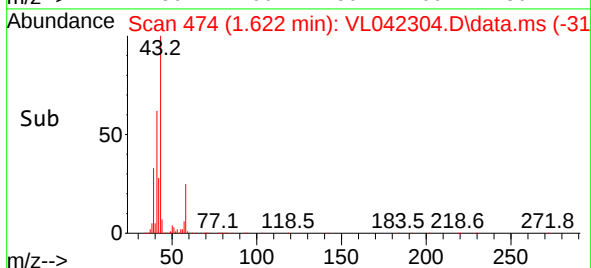
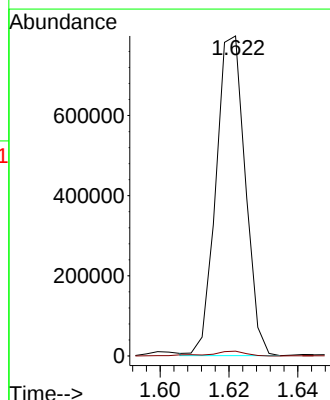
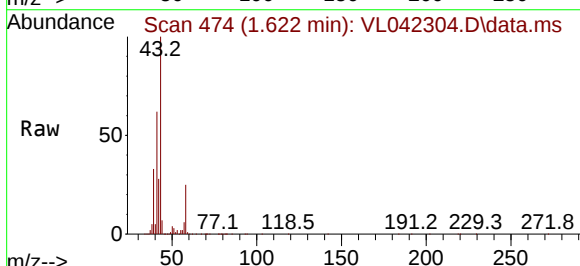
Acq: 10 Apr 2025 12:30

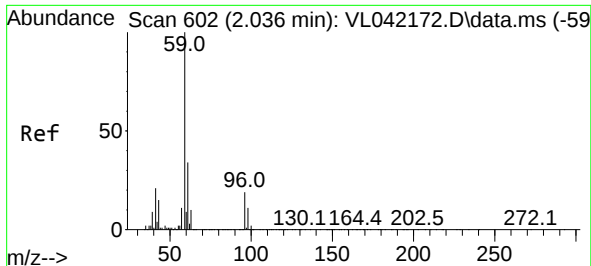
Tgt Ion: 39 Resp: 471174

Ion Ratio Lower Upper

39 100

54 1.9 60.7 91.1#

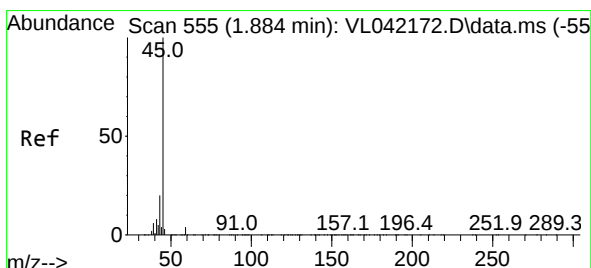
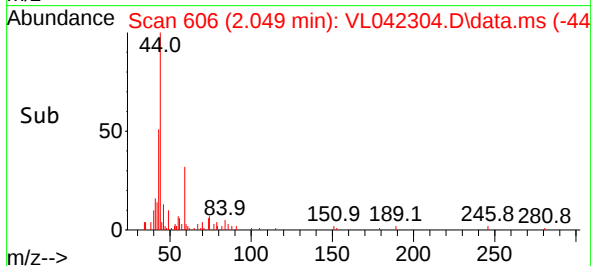
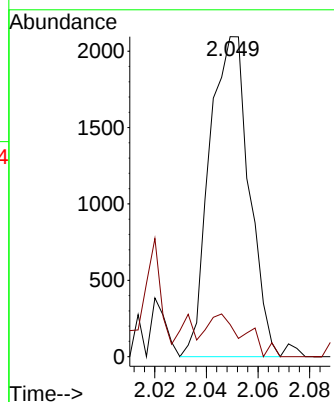
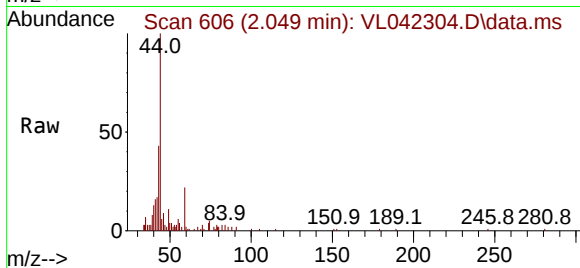




#17
tert-Butyl alcohol
Concen: 0.067 ppbv
RT: 2.049 min Scan# 602
Delta R.T. 0.013 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

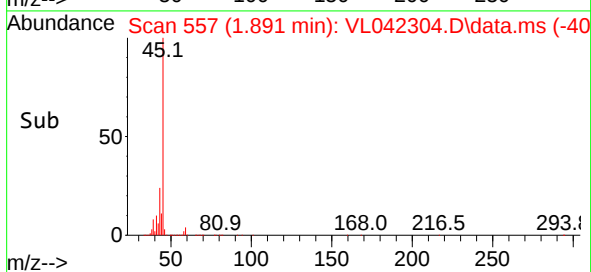
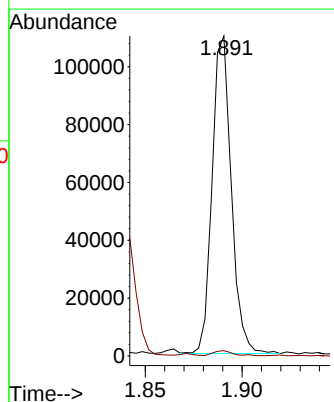
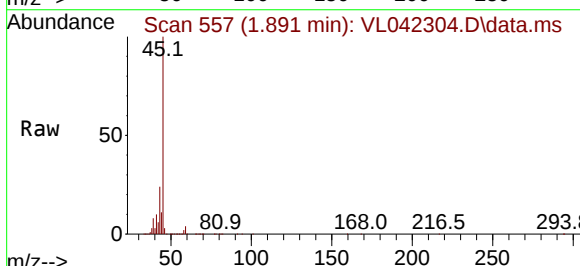
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

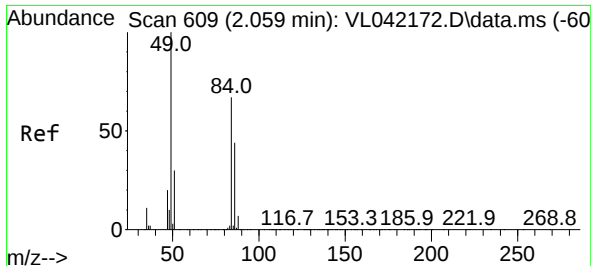
Tgt Ion: 59 Resp: 2237
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#19
Isopropyl Alcohol
Concen: 5.009 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 45 Resp: 75444
Ion Ratio Lower Upper
45 100
58 80.0 36.9 55.3#

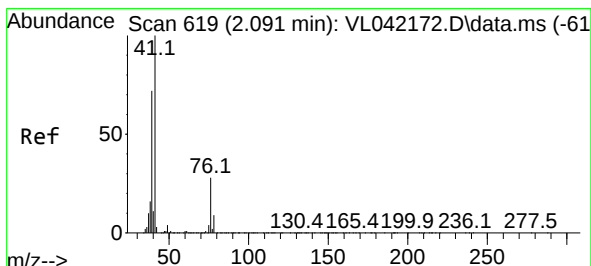
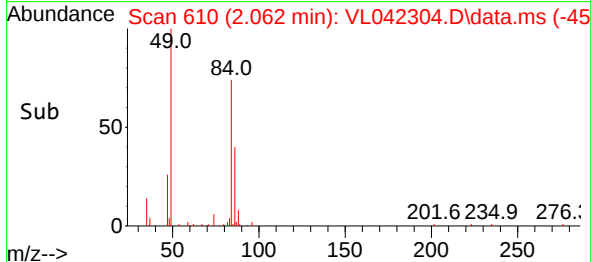
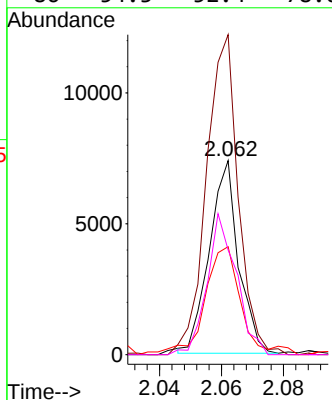
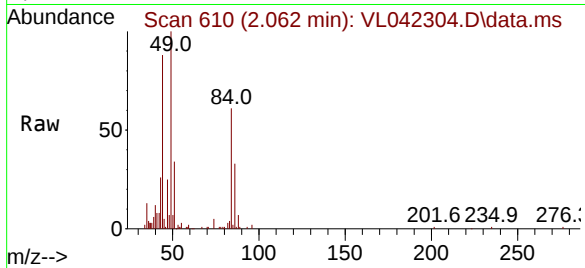




#20
Methylene Chloride
Concen: 0.484 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

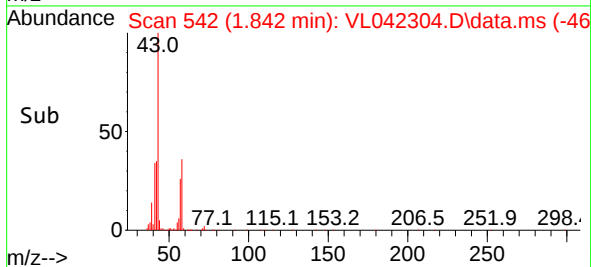
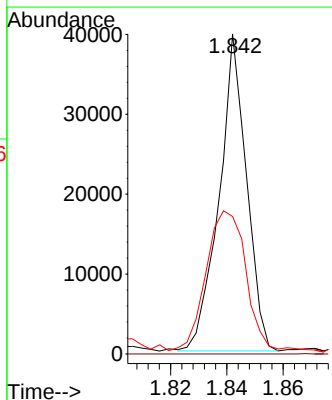
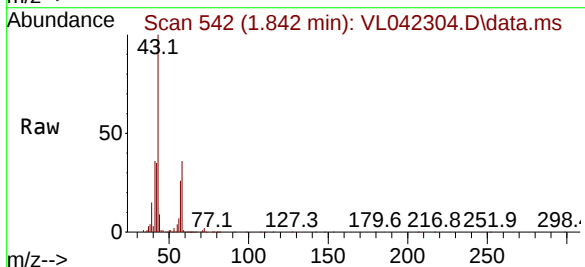
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

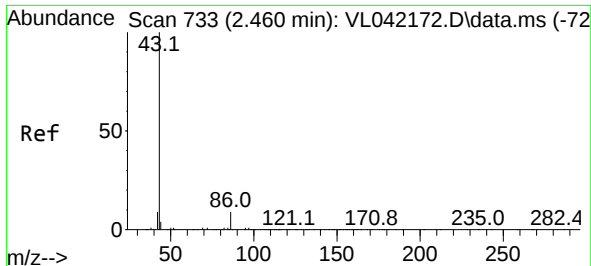
Tgt Ion: 84 Resp: 4808
Ion Ratio Lower Upper
84 100
49 162.9 120.2 180.4
51 51.7 37.4 56.0
86 54.3 52.4 78.6



#21
Allyl Chloride
Concen: 1.425 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.249 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 41 Resp: 26823
Ion Ratio Lower Upper
41 100
76 0.4 24.1 36.1#
39 0.0 61.1 91.7#

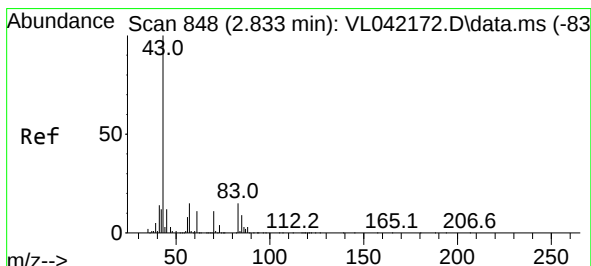
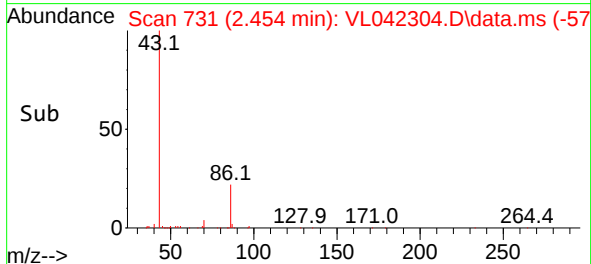
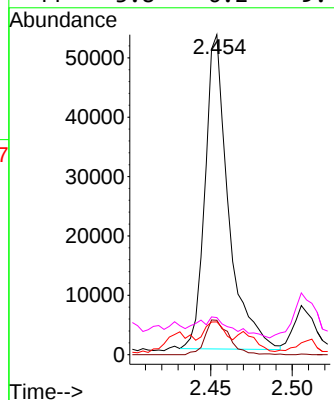
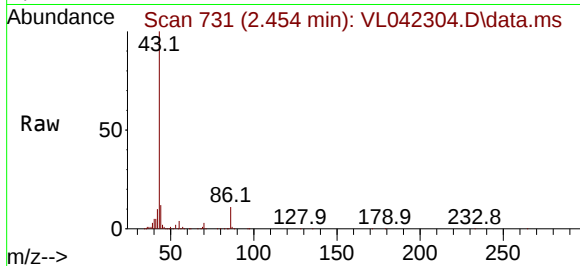




#23
 Vinyl Acetate
 Concen: 4.555 ppbv
 RT: 2.454 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

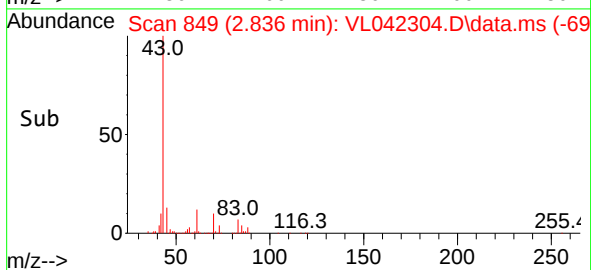
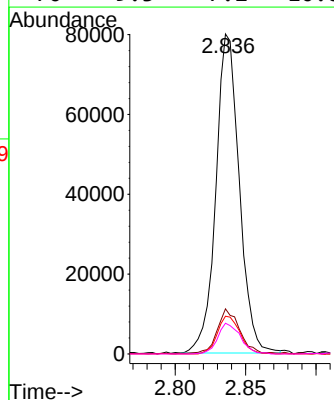
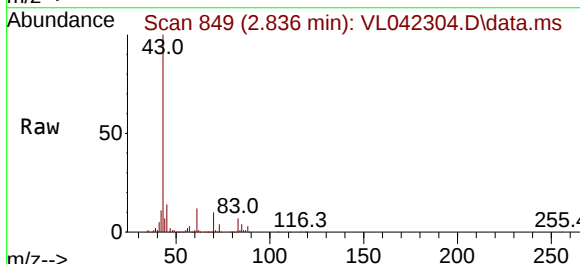
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

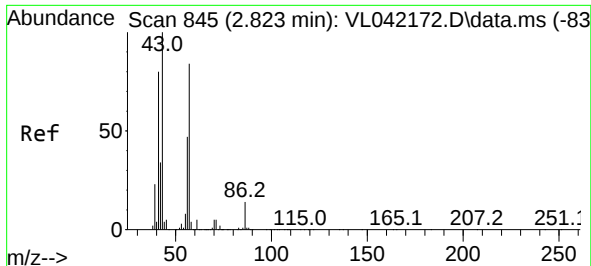
Tgt Ion: 43 Resp: 52631
 Ion Ratio Lower Upper
 43 100
 86 10.9 5.5 8.3#
 42 9.0 8.6 13.0
 44 3.8 6.2 9.4#



#25
 Ethyl Acetate
 Concen: 1.339 ppbv
 RT: 2.836 min Scan# 849
 Delta R.T. 0.003 min
 Lab File: VL042304.D
 Acq: 10 Apr 2025 12:30

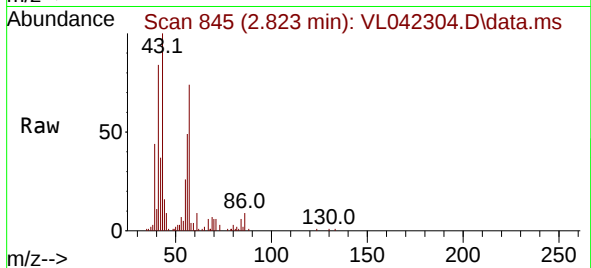
Tgt Ion: 43 Resp: 92780
 Ion Ratio Lower Upper
 43 100
 45 14.3 8.2 12.2#
 61 11.5 7.3 10.9#
 70 9.3 7.2 10.8



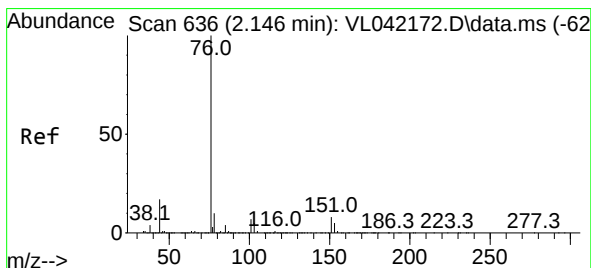
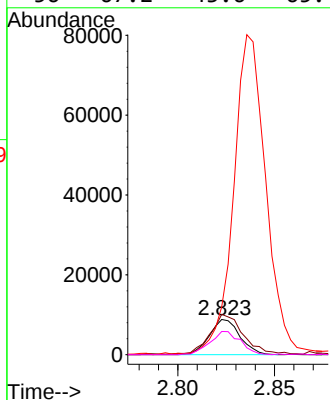
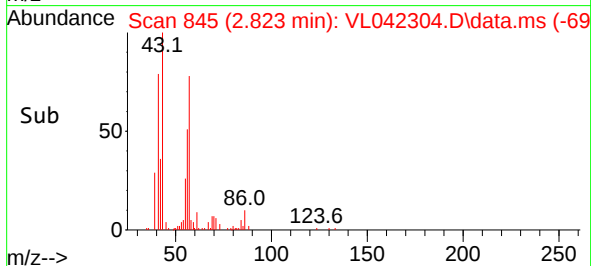


#26
Hexane
Concen: 0.360 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

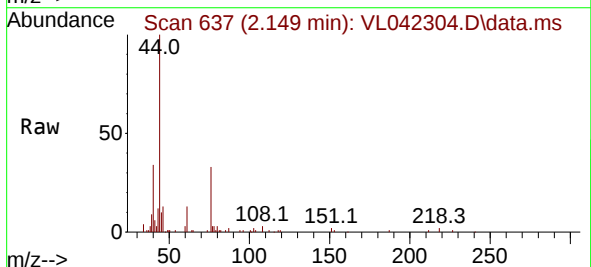
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



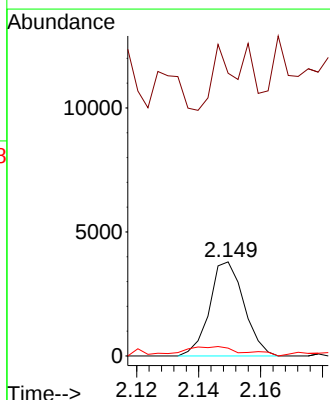
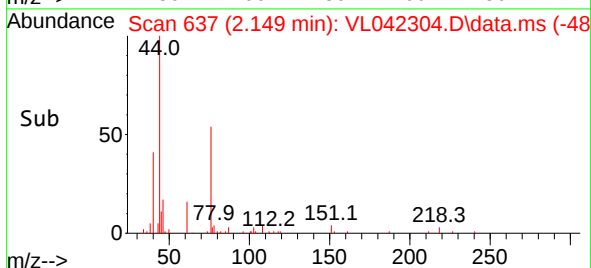
Tgt Ion: 57 Resp: 9628
Ion Ratio Lower Upper
57 100
41 128.9 76.6 114.8#
43 973.1 207.8 311.8#
56 67.2 43.6 65.4#

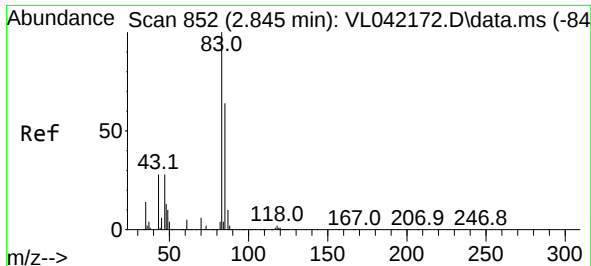


#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30



Tgt Ion: 76 Resp: 2929
Ion Ratio Lower Upper
76 100
44 0.0 14.7 22.1#
78 25.0 9.3 13.9#





#29

Chloroform

Concen: 0.455 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

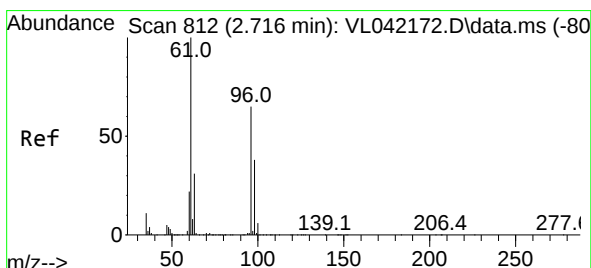
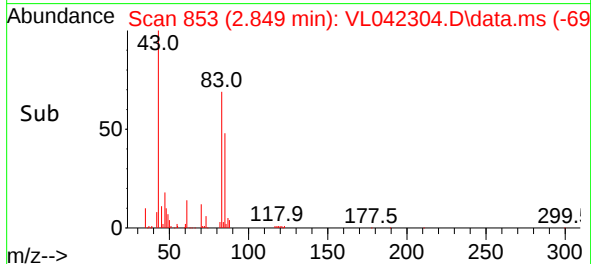
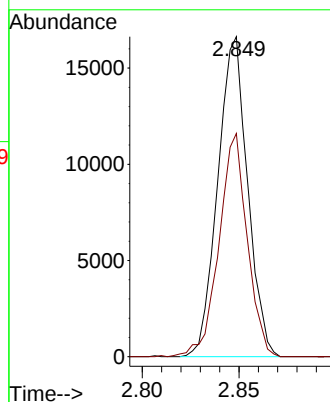
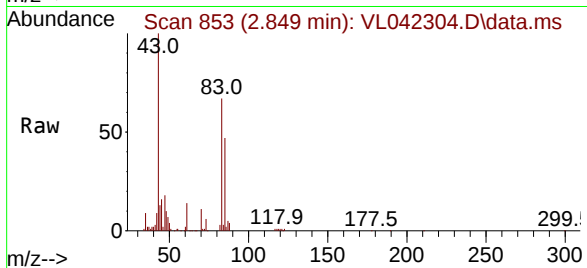
IA1DUP

Tgt Ion: 83 Resp: 17808

Ion Ratio Lower Upper

83 100

85 69.8 51.4 77.2



#31

cis-1,2-Dichloroethene

Concen: 0.390 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.120 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

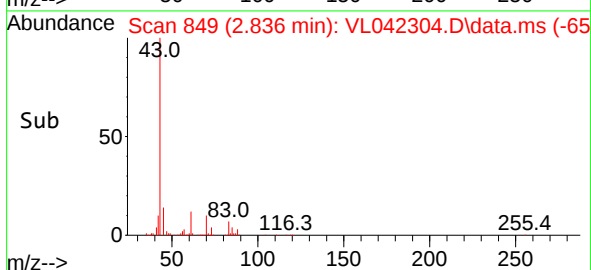
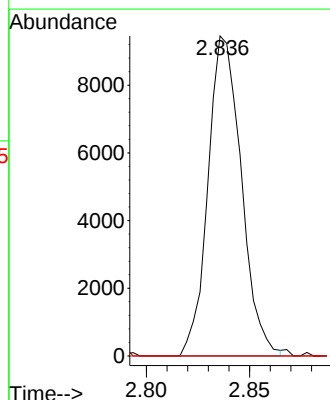
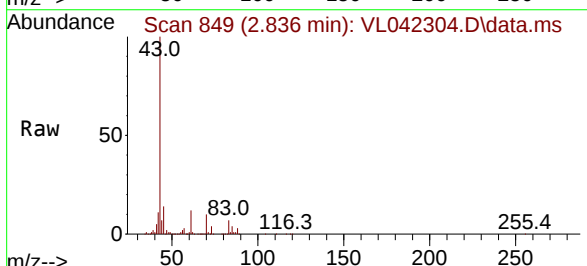
Tgt Ion: 61 Resp: 10608

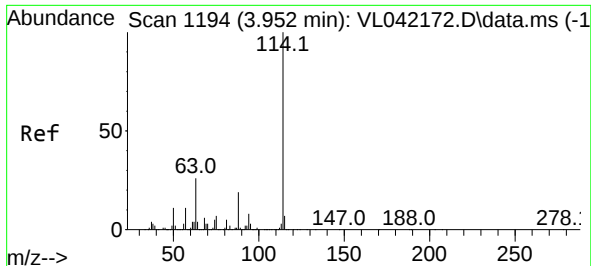
Ion Ratio Lower Upper

61 100

96 0.0 51.8 77.8#

98 0.0 30.6 46.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

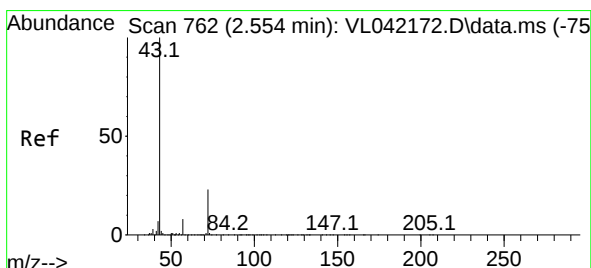
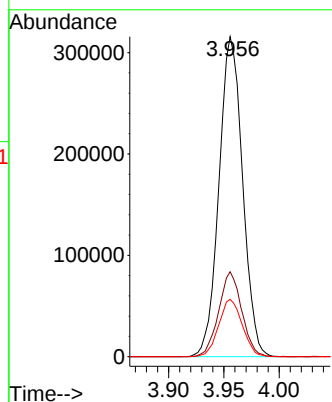
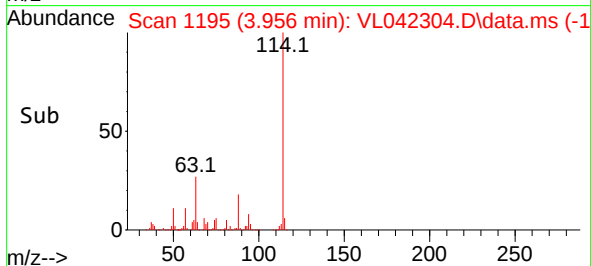
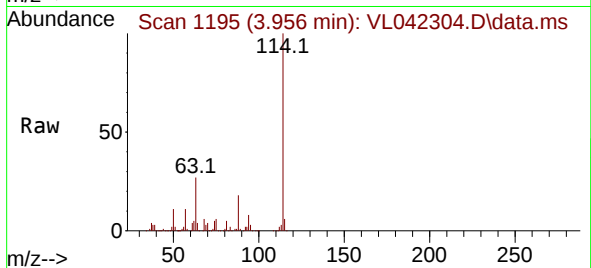
Tgt Ion:114 Resp: 468438

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 17.9 15.0 22.4



#34

2-Butanone

Concen: 0.765 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042304.D

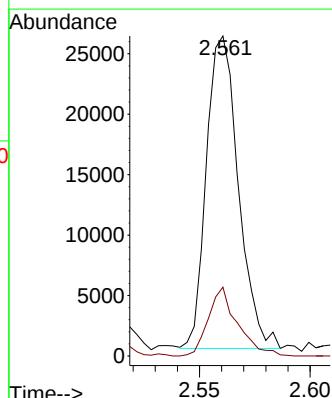
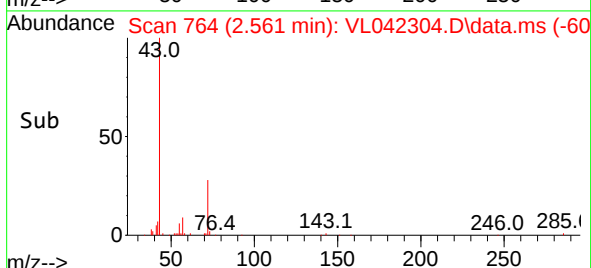
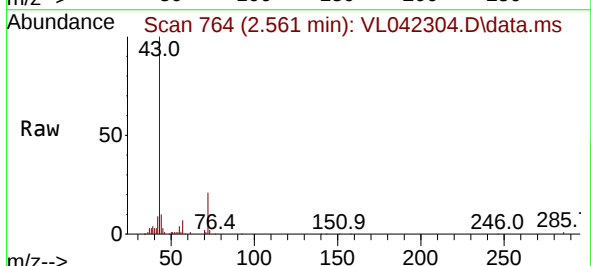
Acq: 10 Apr 2025 12:30

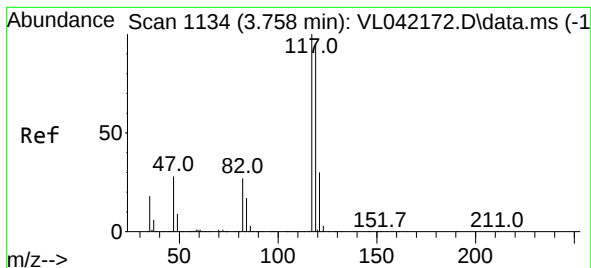
Tgt Ion: 43 Resp: 25992

Ion Ratio Lower Upper

43 100

72 20.0 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.059 ppbv

RT: 3.758 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

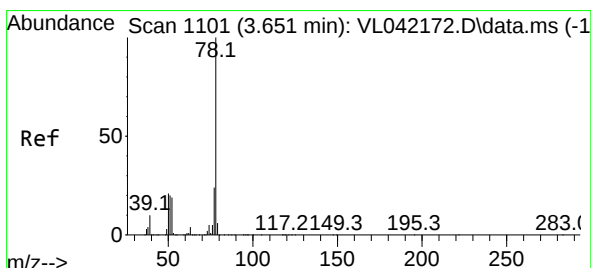
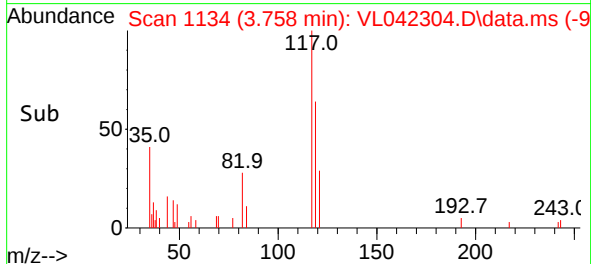
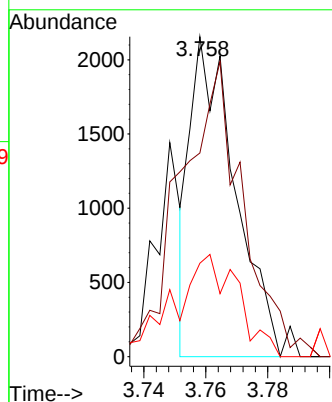
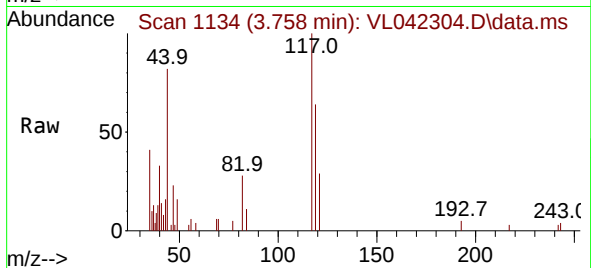
Tgt Ion:117 Resp: 2161

Ion Ratio Lower Upper

117 100

119 49.4 76.2 114.2#

121 29.2 24.2 36.4



#36

Benzene

Concen: 0.298 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

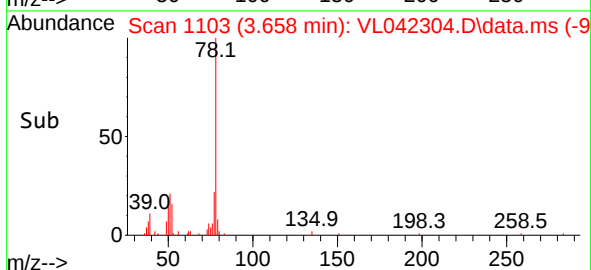
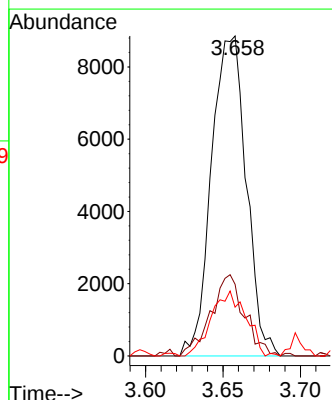
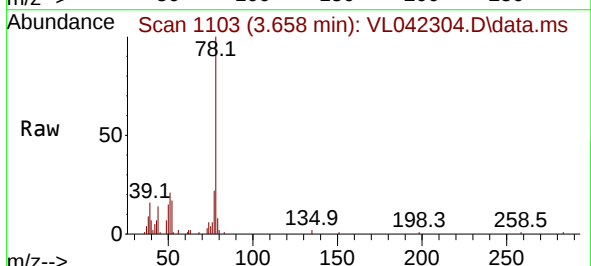
Tgt Ion: 78 Resp: 13836

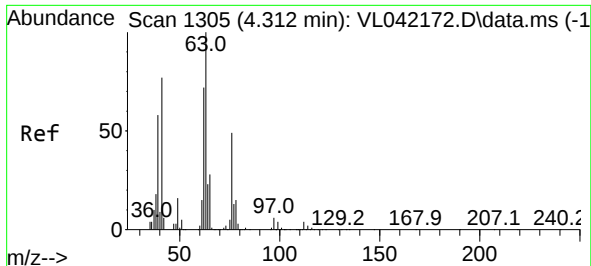
Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

50 15.4 16.6 24.8#





#39

1,2-Dichloropropane

Concen: 7.180 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

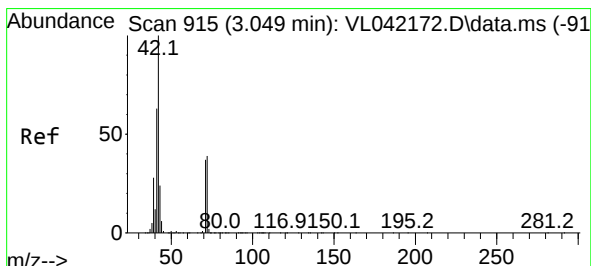
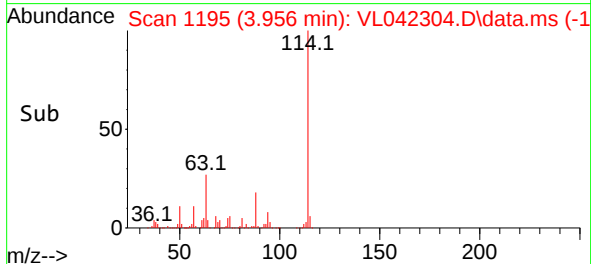
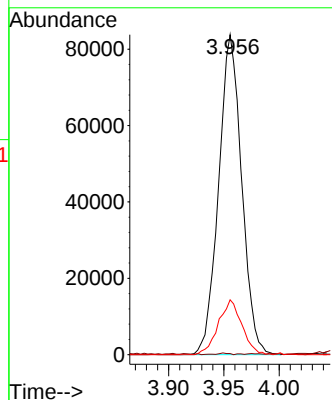
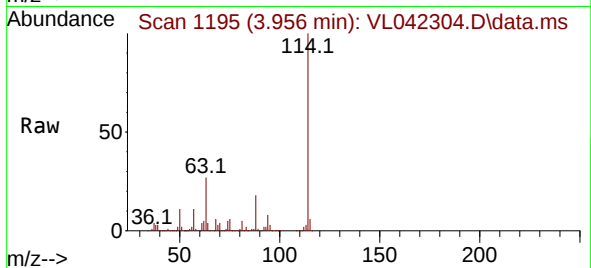
Tgt Ion: 63 Resp: 121432

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 17.1 57.6 86.4#



#41

Tetrahydrofuran

Concen: 0.472 ppbv

RT: 3.062 min Scan# 919

Delta R.T. 0.013 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

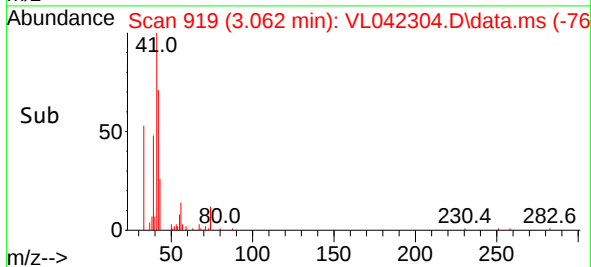
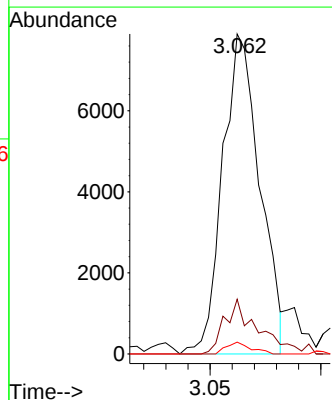
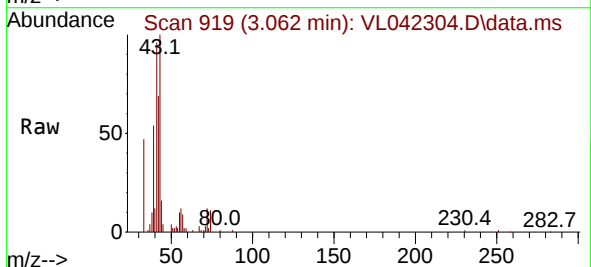
Tgt Ion: 42 Resp: 9240

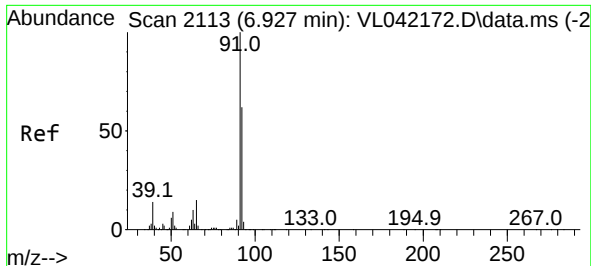
Ion Ratio Lower Upper

42 100

72 15.8 31.4 47.0#

71 2.4 30.2 45.4#

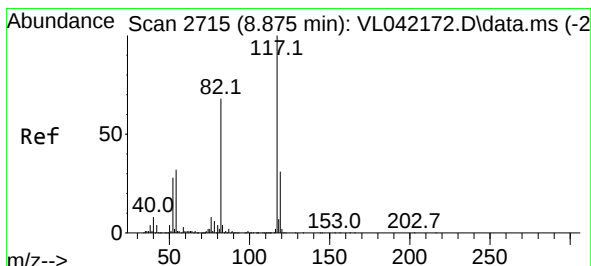
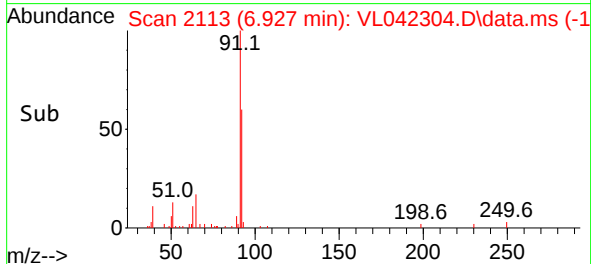
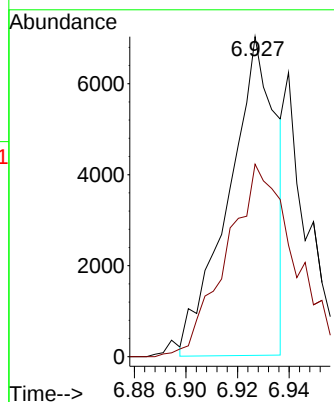
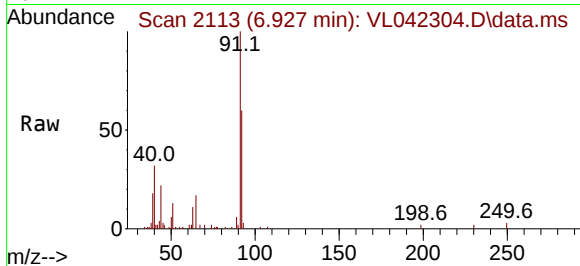




#53
Toluene
Concen: 0.163 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

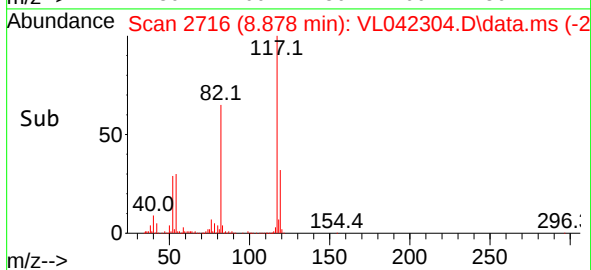
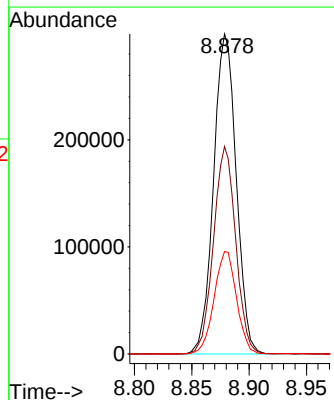
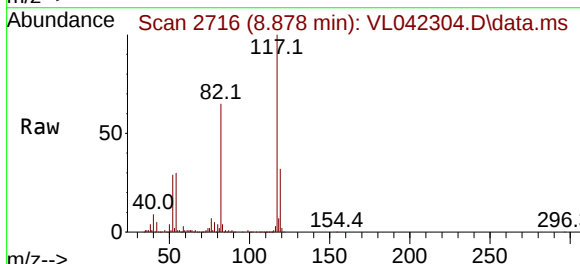
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

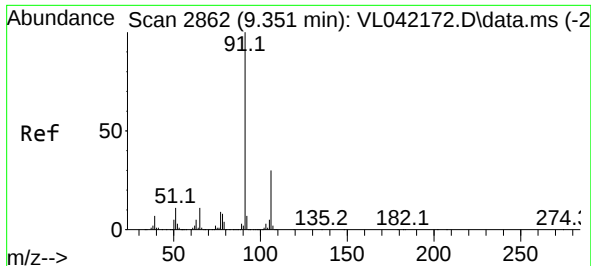
Tgt Ion: 91 Resp: 8972
Ion Ratio Lower Upper
91 100
92 86.5 48.4 72.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 117 Resp: 410794
Ion Ratio Lower Upper
117 100
82 63.6 55.8 83.6
119 31.8 25.5 38.3





#58

Ethyl Benzene

Concen: 0.037 ppbv

RT: 9.348 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042304.D

Acq: 10 Apr 2025 12:30

Instrument :

MSVOA_L

ClientSampleId :

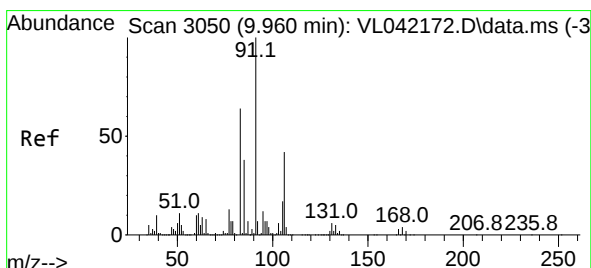
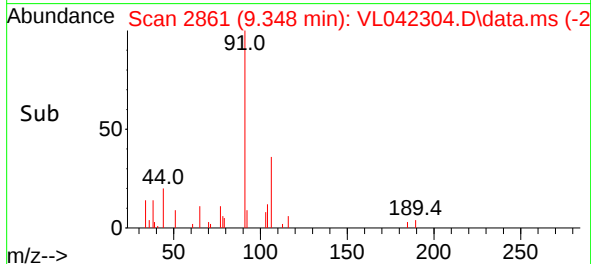
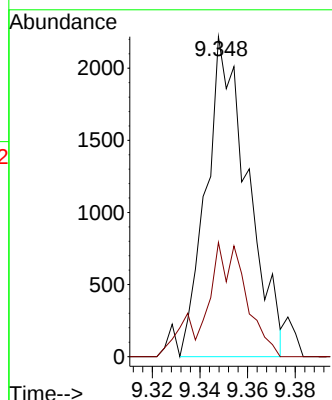
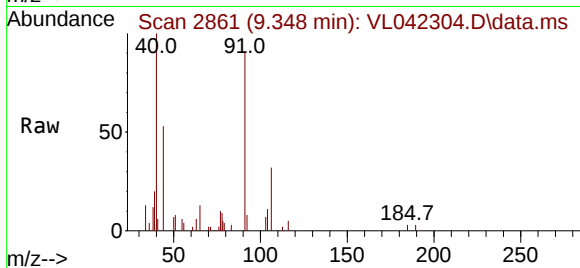
IA1DUP

Tgt Ion: 91 Resp: 2674

Ion Ratio Lower Upper

91 100

106 35.7 24.2 36.2



#60

o-Xylene

Concen: 0.097 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.427 min

Lab File: VL042304.D

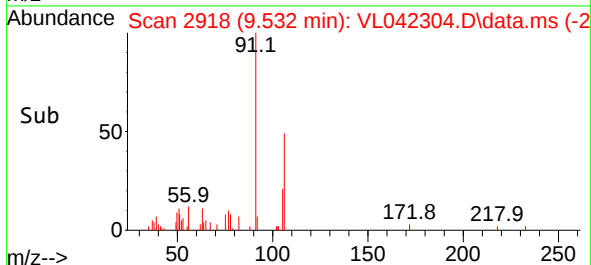
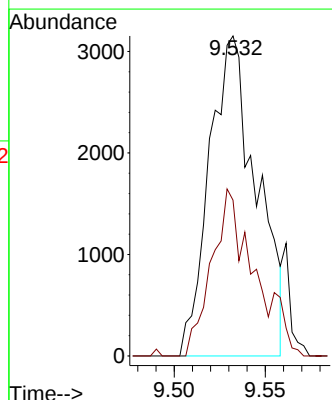
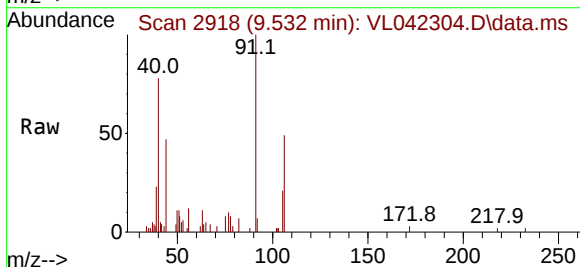
Acq: 10 Apr 2025 12:30

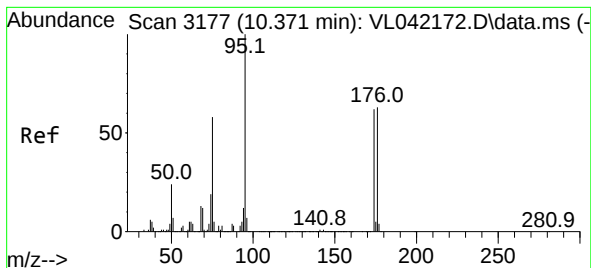
Tgt Ion: 91 Resp: 5686

Ion Ratio Lower Upper

91 100

106 47.1 20.8 62.5

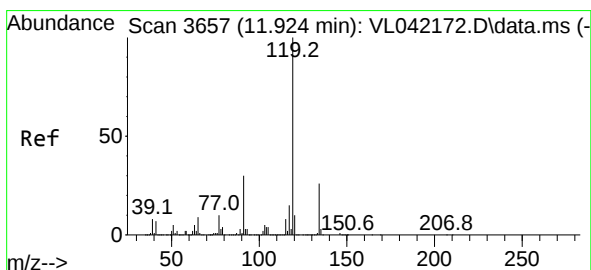
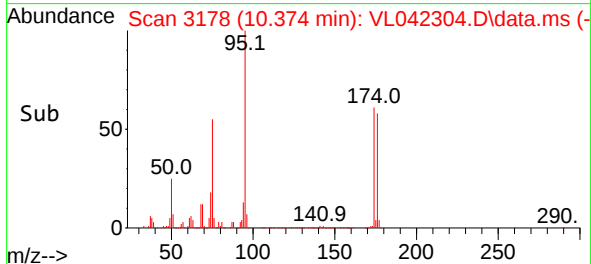
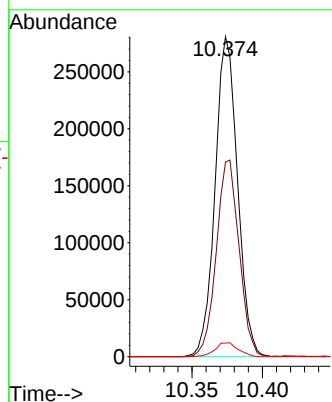
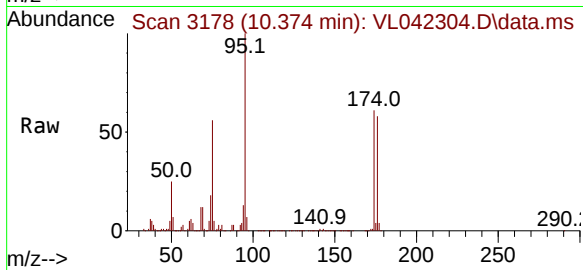




#68
1-Bromo-4-Fluorobenzene
Concen: 9.241 ppbv
RT: 10.374 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

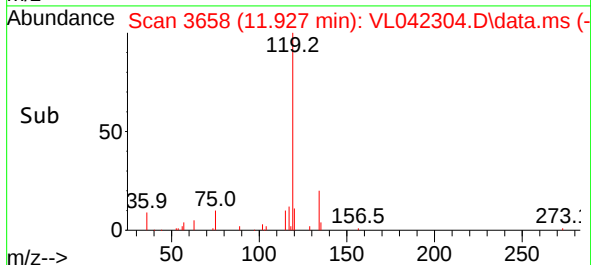
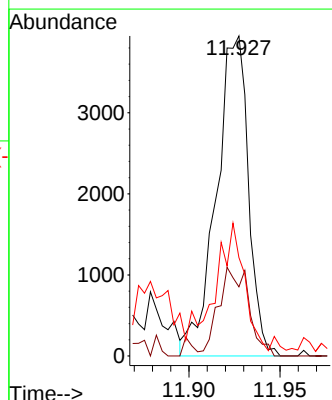
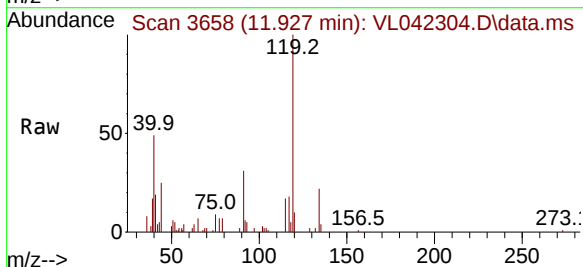
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

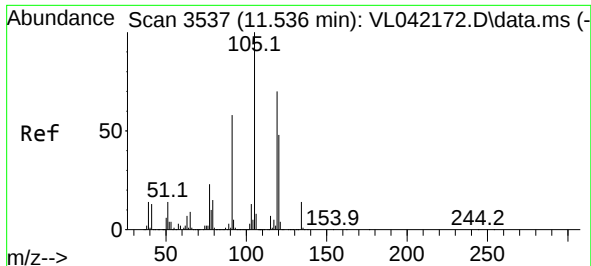
Tgt Ion: 95 Resp: 311735
Ion Ratio Lower Upper
95 100
174 62.5 50.6 76.0
175 4.5 3.8 5.6



#69
p-Isopropyltoluene
Concen: 0.050 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion: 119 Resp: 4836
Ion Ratio Lower Upper
119 100
134 27.6 20.4 30.6
91 34.2 23.7 35.5

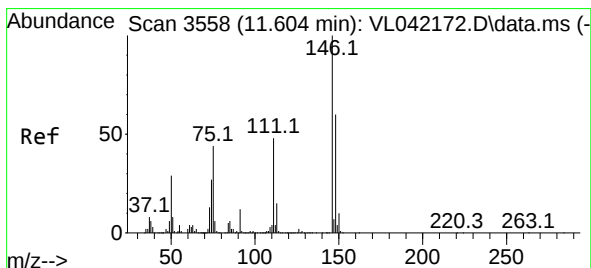
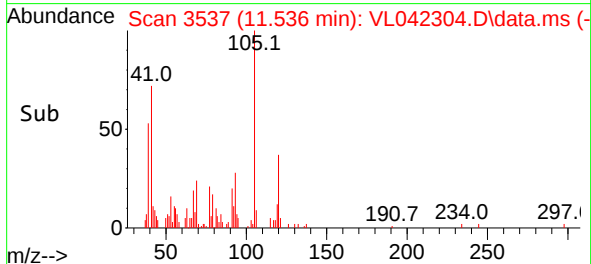
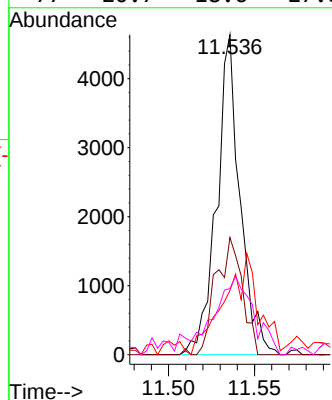
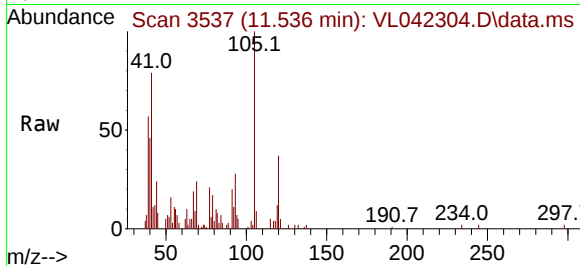




#74
1,2,4-Trimethylbenzene
Concen: 0.060 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

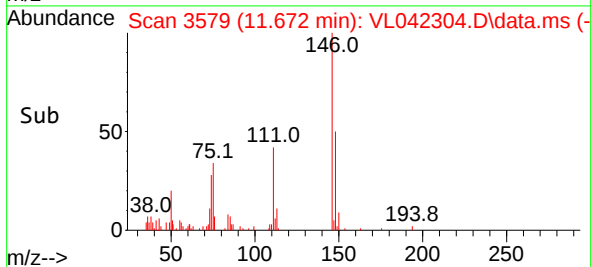
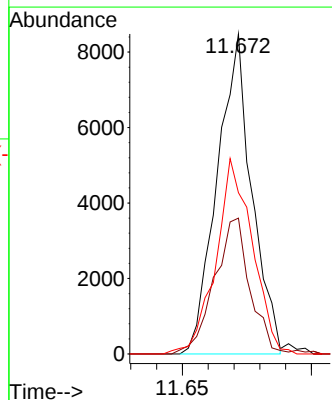
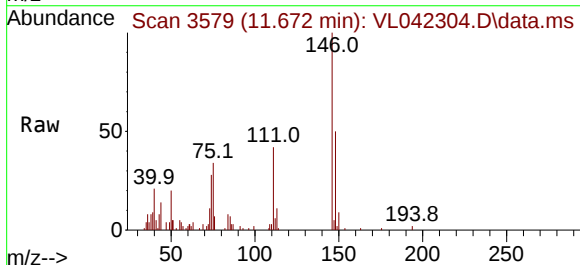
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

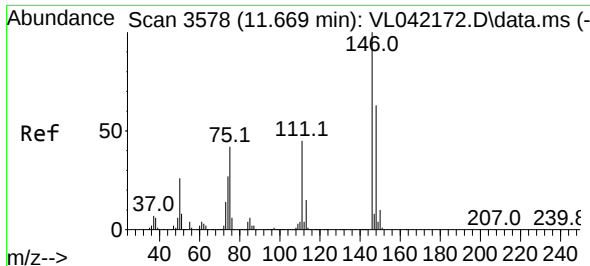
Tgt Ion:	105	Resp:	4390
Ion	Ratio	Lower	Upper
105	100		
120	36.6	38.6	58.0#
91	18.8	46.2	69.2#
77	20.7	18.6	27.8



#75
1,3-Dichlorobenzene
Concen: 0.197 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.068 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion:	146	Resp:	7913
Ion	Ratio	Lower	Upper
146	100		
111	44.3	23.8	71.2
148	64.2	31.9	95.9

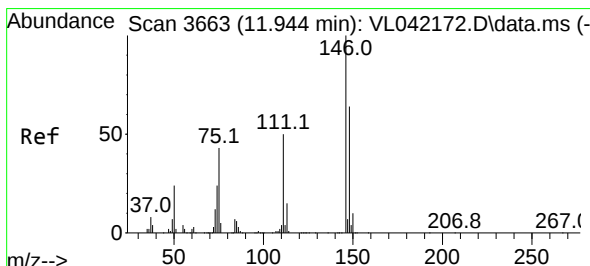
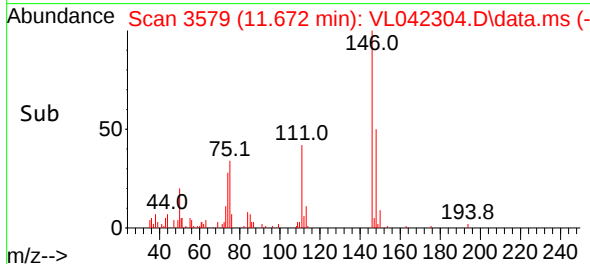
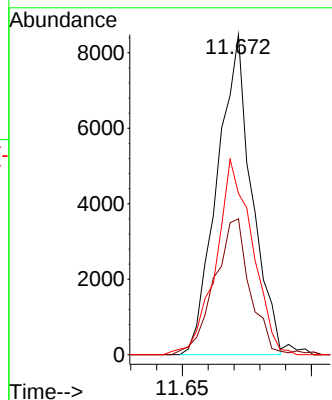
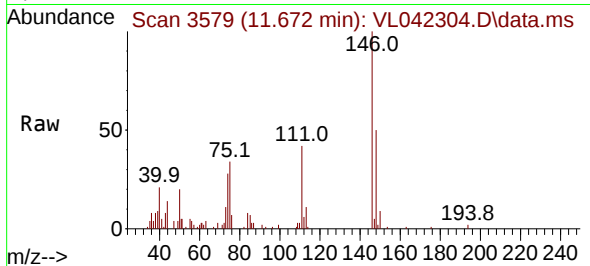




#76
1,4-Dichlorobenzene
Concen: 0.198 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:146 Resp: 7913
Ion Ratio Lower Upper
146 100
111 44.1 23.0 69.0
148 64.2 31.9 95.7



#77
1,2-Dichlorobenzene
Concen: 0.203 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.272 min
Lab File: VL042304.D
Acq: 10 Apr 2025 12:30

Tgt Ion:146 Resp: 7913
Ion Ratio Lower Upper
146 100
111 44.3 24.8 74.3
148 64.2 31.6 94.8

