

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042364.D
 Acq On : 17 Apr 2025 18:58
 Operator : SY/MD
 Sample : Q1668-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-1-3252025

Quant Time: Apr 18 02:41:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	117691	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	343133	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	303219	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	247615	9.938	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	10068	0.484	ppbv	96
3) Chlorodifluoromethane	1.561	51	1577	0.080	ppbv	98
4) Chloromethane	1.535	50	5532	0.672	ppbv	95
6) Bromomethane	1.674	94	247	0.064	ppbv #	14
7) Chloroethane	1.706	64	318	0.098	ppbv #	51
8) Dichlorotetrafluoroethane	1.557	85	600	0.034	ppbv #	80
9) Propene	1.561	41	29021	3.218	ppbv	92
10) Heptane	4.988	43	48989	1.934	ppbv	95
11) Trichlorofluoromethane	1.881	101	4688	0.237	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.143	101	1147	0.071	ppbv #	81
13) Ethanol	1.722	45	257475	179.643	ppbv	74
15) Acetone	1.839	43	140628	7.299	ppbv	90
16) 1,3-Butadiene	1.603	39	5791	0.628	ppbv #	35
17) tert-Butyl alcohol	2.046	59	8687	0.364	ppbv #	56
19) Isopropyl Alcohol	1.891	45	33526	3.132	ppbv #	17
20) Methylene Chloride	2.066	84	39273	5.205	ppbv	93
21) Allyl Chloride	2.078	41	1879	0.141	ppbv #	28
23) Vinyl Acetate	2.477	43	61483	7.884	ppbv #	46
25) Ethyl Acetate	2.829	43	66917	1.409	ppbv #	79
26) Hexane	2.829	57	92595	4.817	ppbv #	33
27) Carbon Disulfide	2.153	76	4485	0.218	ppbv #	1
29) Chloroform	2.855	83	2558	0.094	ppbv	98
30) Cyclohexane	3.865	84	28679	1.845	ppbv	97
34) 2-Butanone	2.564	43	22380	0.825	ppbv	99
36) Benzene	3.664	78	28409	0.768	ppbv	94
39) 1,2-Dichloropropane	3.965	63	93381	6.771	ppbv #	22
41) Tetrahydrofuran	3.075	42	1027	0.065	ppbv #	81
44) 2,2,4-Trimethylpentane	4.648	57	22397	0.350	ppbv #	72
50) 4-Methyl-2-Pentanone	5.758	43	441281	9.785	ppbv	99
51) 2-Hexanone	7.432	43	3177	0.079	ppbv #	27
53) Toluene	6.940	91	121585	2.738	ppbv	100
58) Ethyl Benzene	9.358	91	156392	2.603	ppbv	98
59) m/p-Xylene	9.536	91	706391	14.596	ppbv	100
60) o-Xylene	9.969	91	301328	6.183	ppbv	100
61) Styrene	9.872	104	14156	0.609	ppbv	93
62) Isopropylbenzene	10.542	105	25514	0.357	ppbv	97
64) n-propylbenzene	10.992	120	27632	1.536	ppbv	98
65) tert-Butylbenzene	11.539	119	73146	1.112	ppbv #	68
66) Benzyl Chloride	11.539	91	88151	12.198	ppbv #	70
67) sec-Butylbenzene	11.772	105	18674	0.204	ppbv	94
69) p-Isopropyltoluene	11.931	119	13409	0.169	ppbv	99
70) n-Butylbenzene	12.287	91	44840	0.542	ppbv #	86
71) 2-Chlorotoluene	10.866	91	2208	0.039	ppbv	78

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

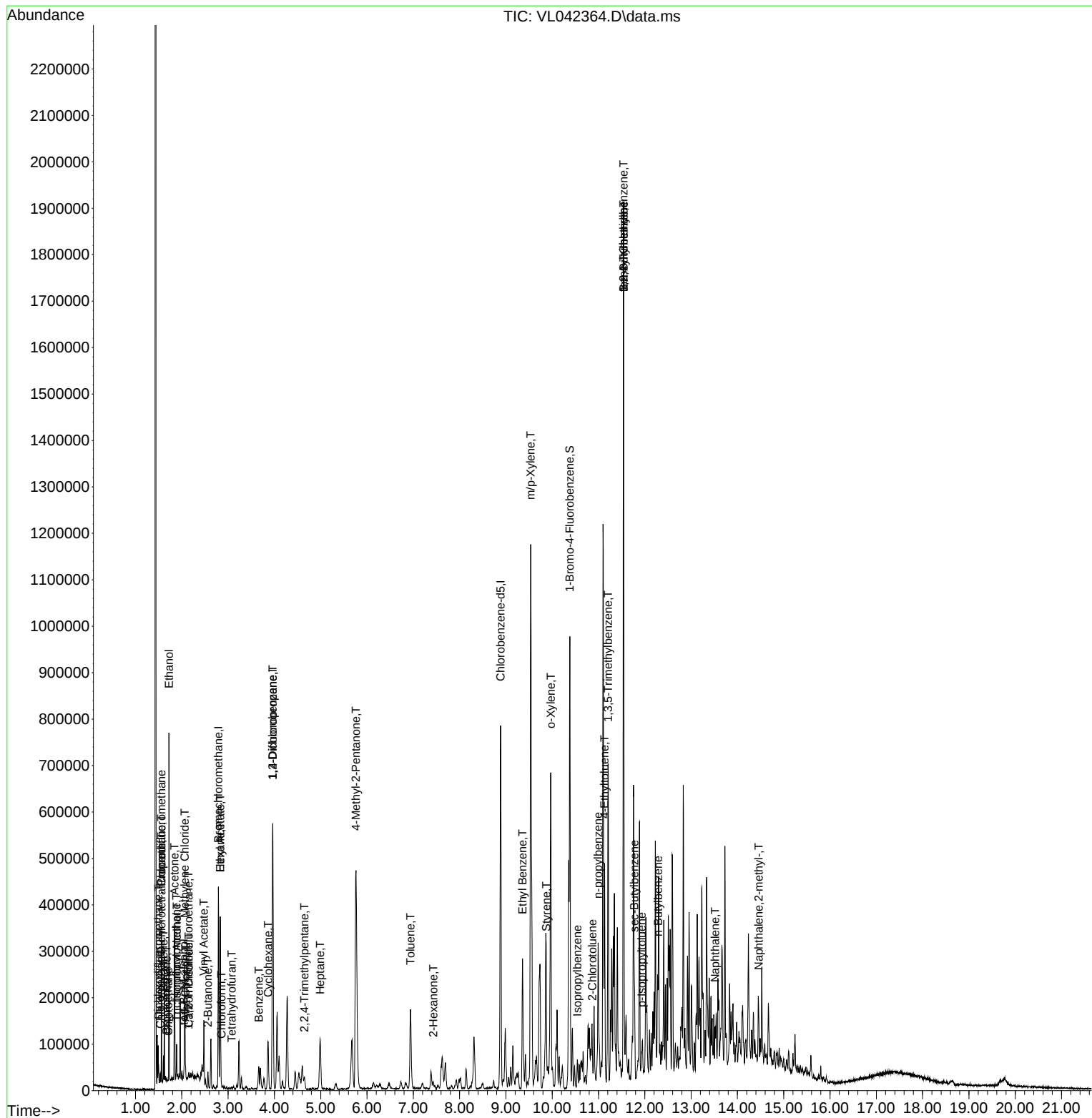
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	11.128	105	191371	3.212	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.209	105	207820	3.951	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	701287	11.415	ppbv #	64
79) Naphthalene	13.517	128	36056	0.491	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	14016	0.335	ppbv #	58

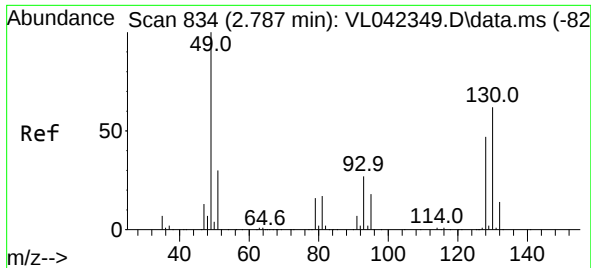
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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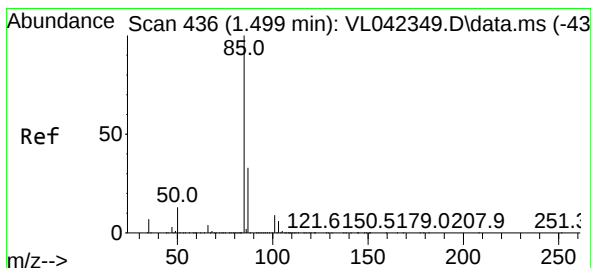
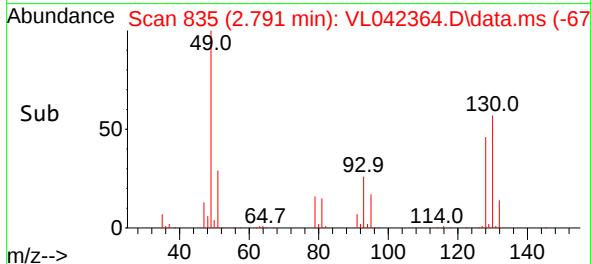
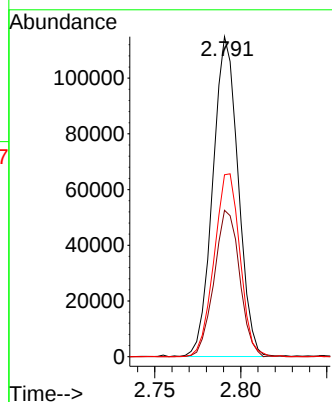
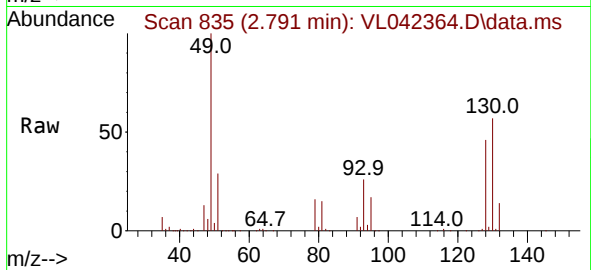




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

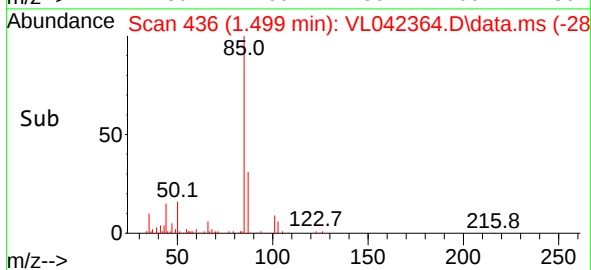
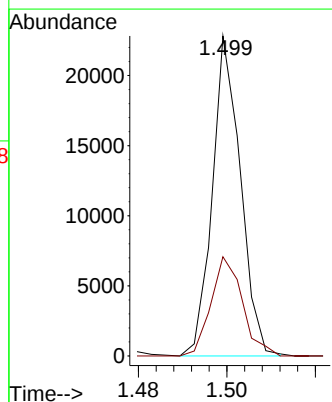
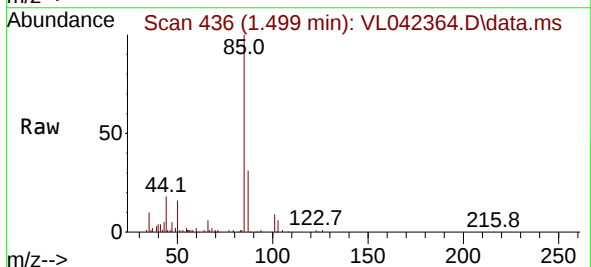
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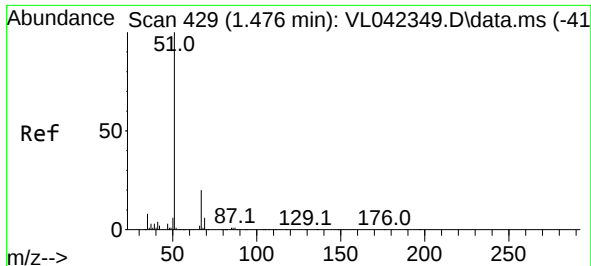
Tgt Ion: 49 Resp: 117691
Ion Ratio Lower Upper
49 100
128 46.1 22.8 68.4
130 58.4 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.484 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 85 Resp: 10068
Ion Ratio Lower Upper
85 100
87 31.0 26.6 39.8

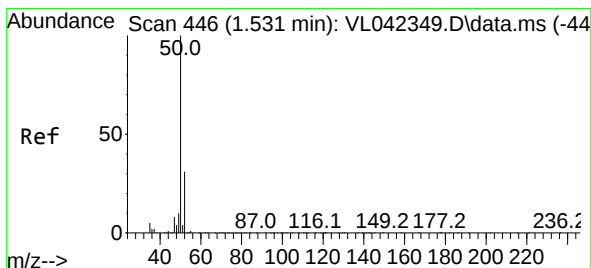
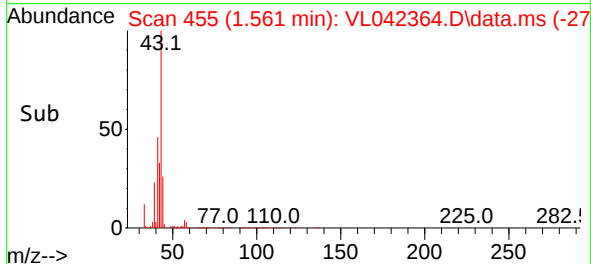
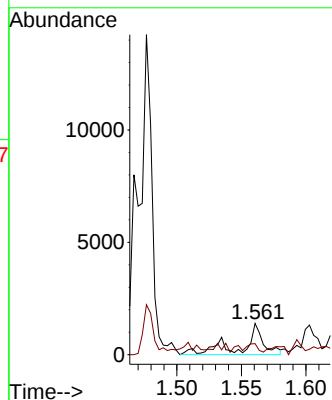
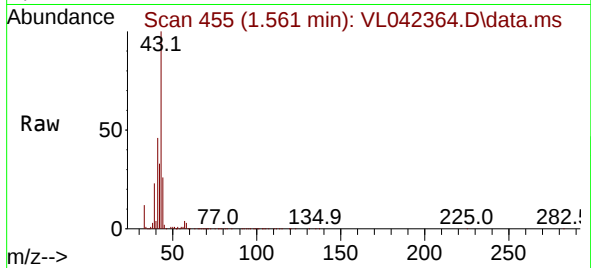




#3
Chlorodifluoromethane
Concen: 0.080 ppbv
RT: 1.561 min Scan# 41
Delta R.T. 0.084 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

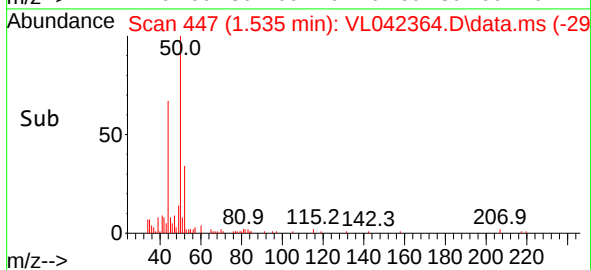
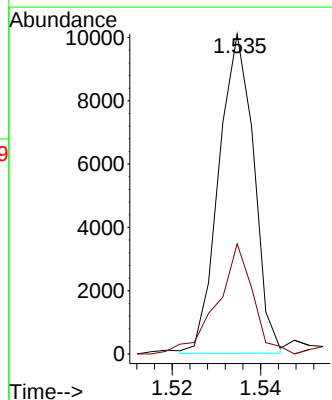
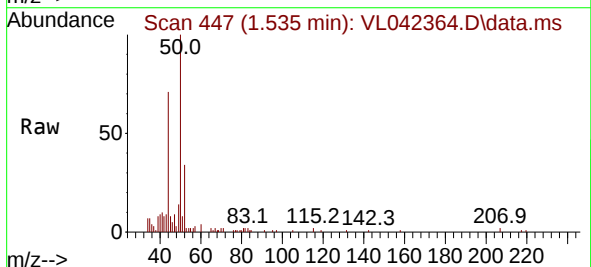
Instrument :
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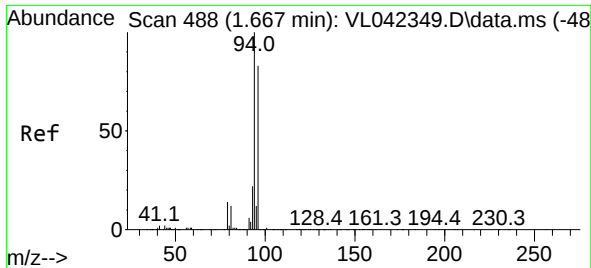
Tgt Ion: 51 Resp: 1577
Ion Ratio Lower Upper
51 100
67 21.2 16.2 24.4



#4
Chloromethane
Concen: 0.672 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 50 Resp: 5532
Ion Ratio Lower Upper
50 100
52 33.4 24.7 37.1

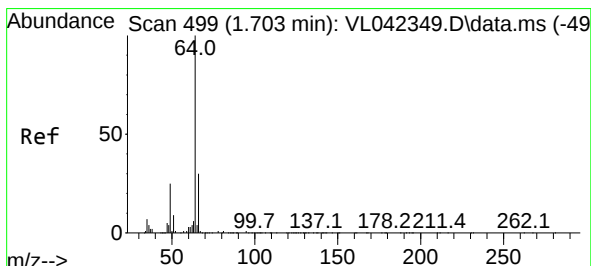
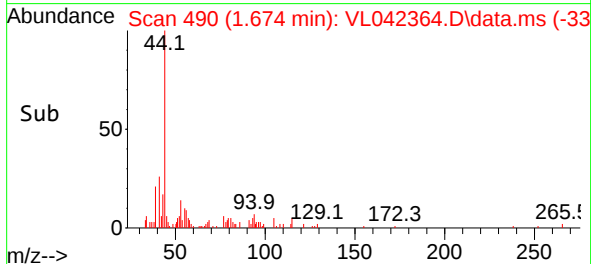
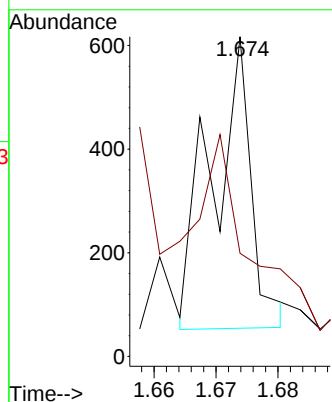
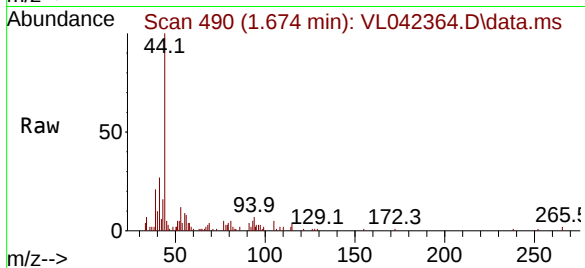




#6
Bromomethane
Concen: 0.064 ppbv
RT: 1.674 min Scan# 491
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

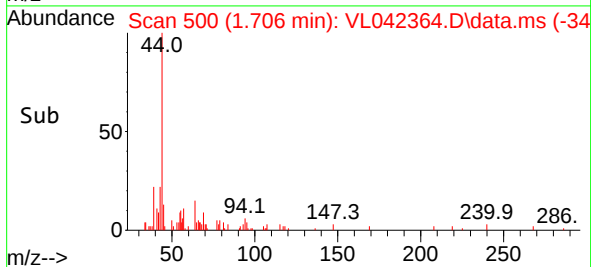
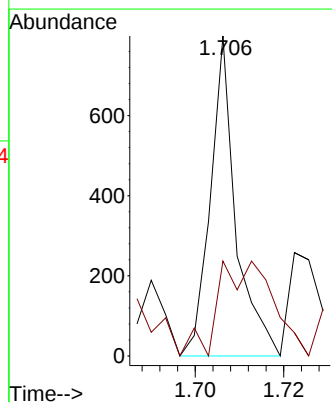
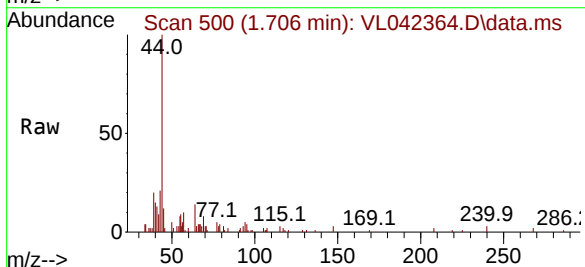
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-1-3252025

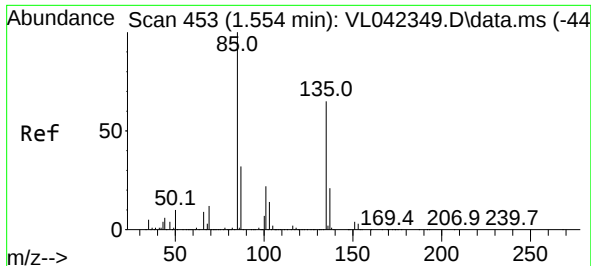
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 5.5 66.2 99.2#



#7
Chloroethane
Concen: 0.098 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 64 Resp: 318
Ion Ratio Lower Upper
64 100
66 57.6 24.6 37.0#

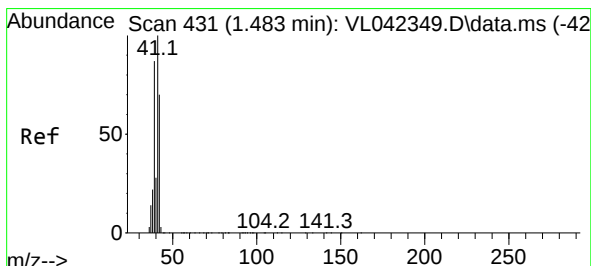
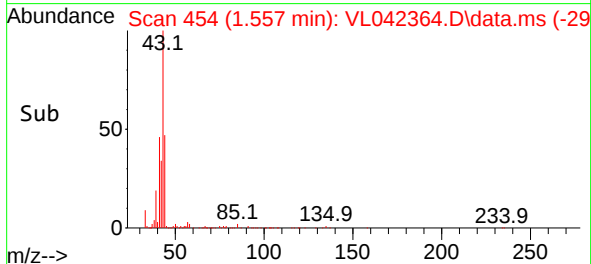
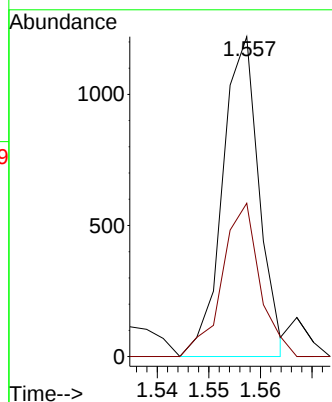
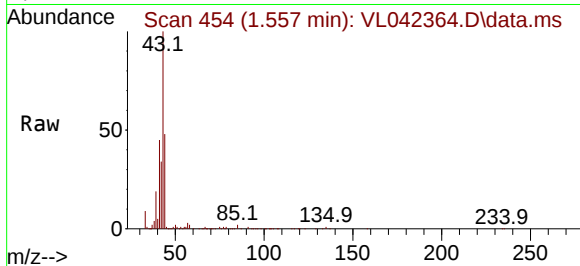




#8
Dichlorotetrafluoroethane
Concen: 0.034 ppbv
RT: 1.557 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

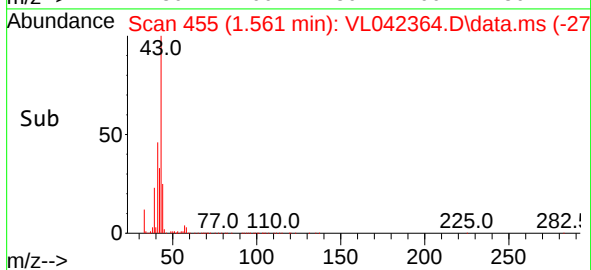
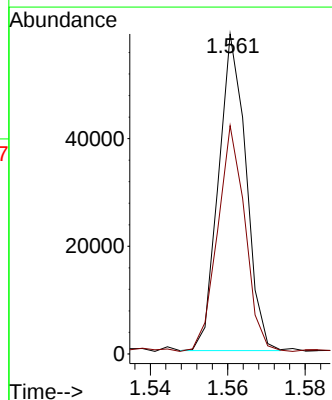
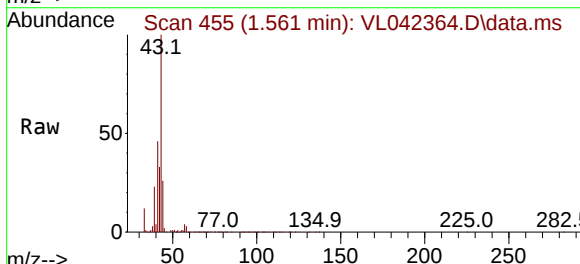
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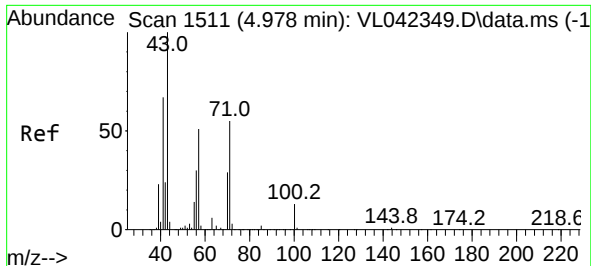
Tgt Ion: 85 Resp: 600
Ion Ratio Lower Upper
85 100
135 49.7 52.2 78.2#



#9
Propene
Concen: 3.218 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 41 Resp: 29021
Ion Ratio Lower Upper
41 100
42 77.0 56.2 84.4

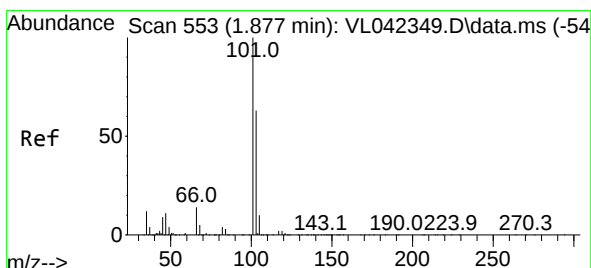
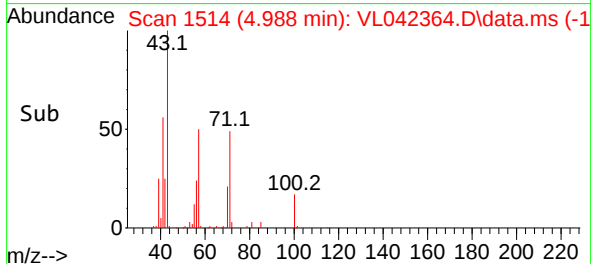
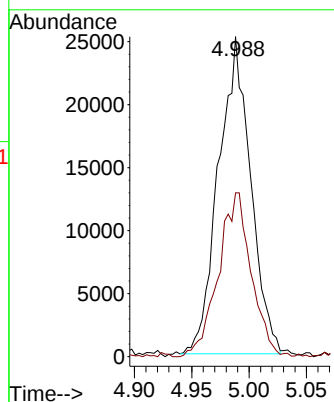
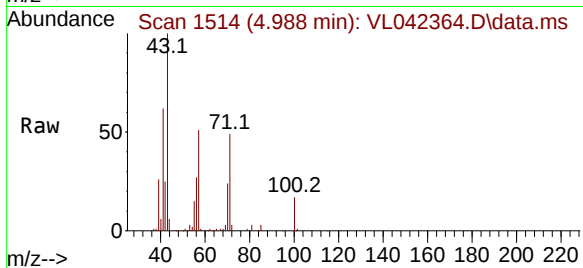




#10
 Heptane
 Concen: 1.934 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. 0.010 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

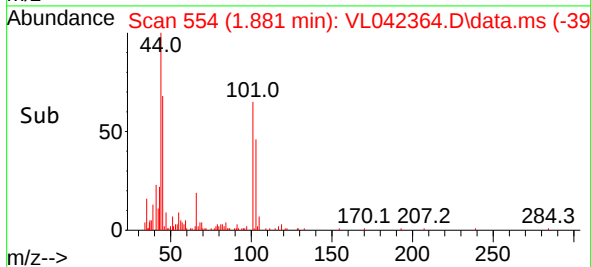
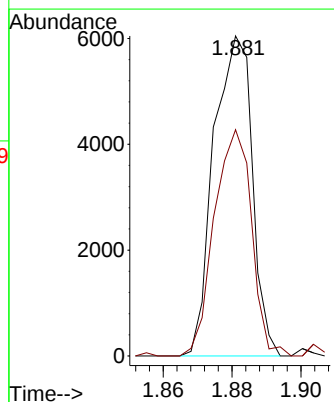
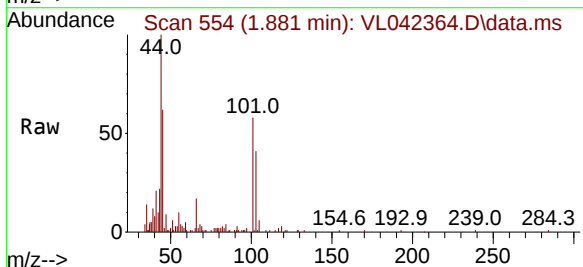
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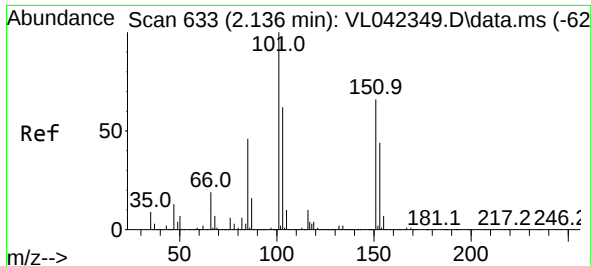
Tgt Ion: 43 Resp: 48989
 Ion Ratio Lower Upper
 43 100
 57 53.3 39.9 59.9



#11
 Trichlorofluoromethane
 Concen: 0.237 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.004 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

Tgt Ion:101 Resp: 4688
 Ion Ratio Lower Upper
 101 100
 103 70.7 50.1 75.1

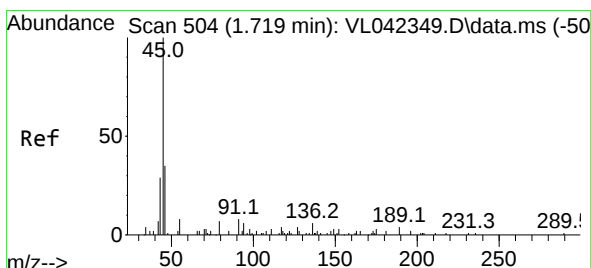
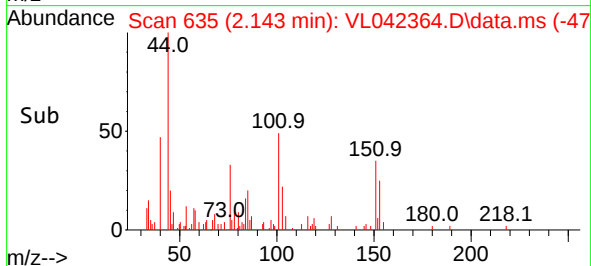
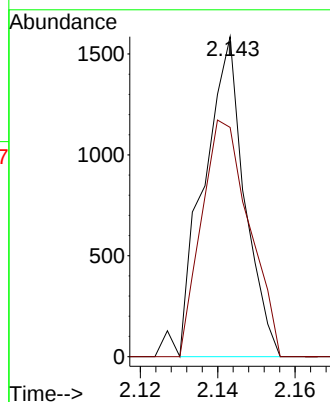
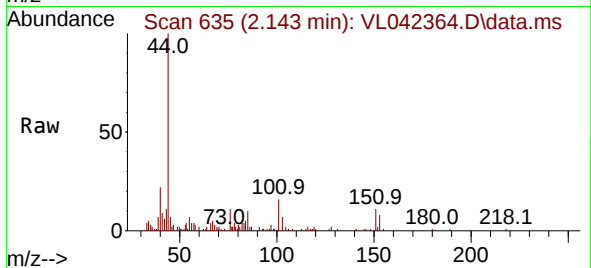




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 2.143 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

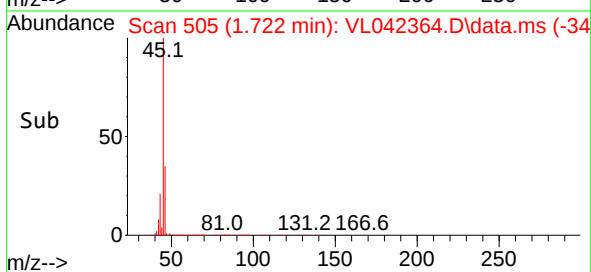
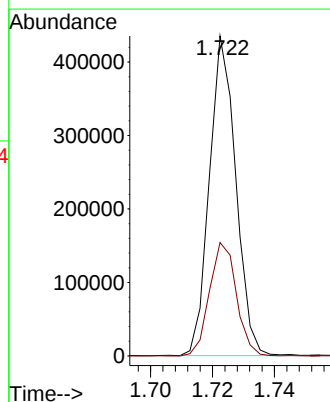
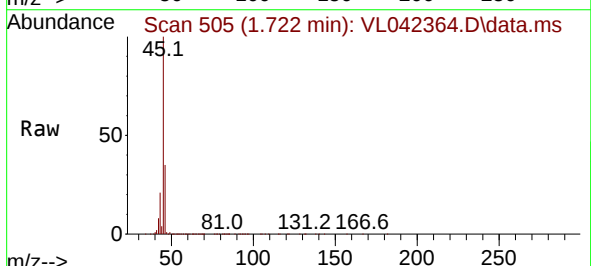
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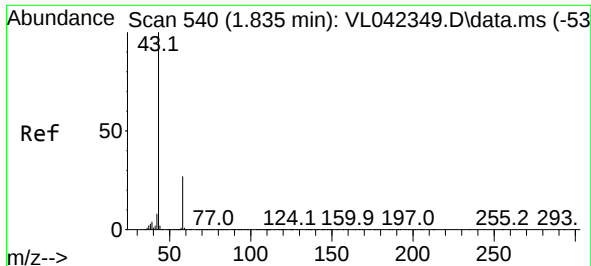
Tgt Ion:101 Resp: 1147
Ion Ratio Lower Upper
101 100
151 87.3 57.0 85.6#



#13
Ethanol
Concen: 179.643 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 45 Resp: 257475
Ion Ratio Lower Upper
45 100
46 36.4 21.9 87.7

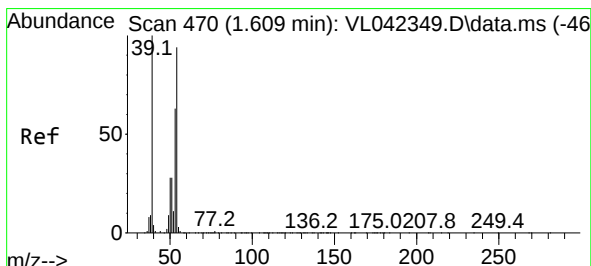
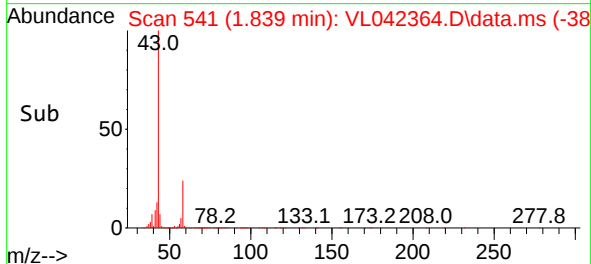
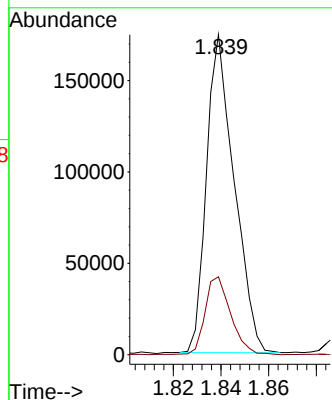
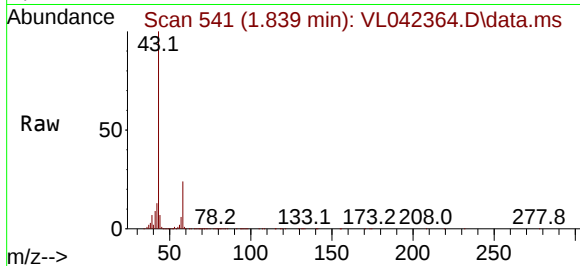




#15
Acetone
Concen: 7.299 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

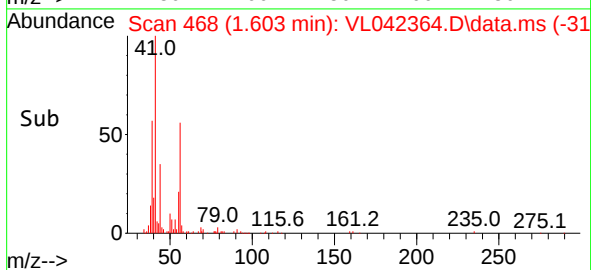
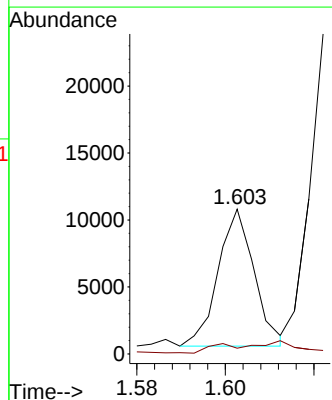
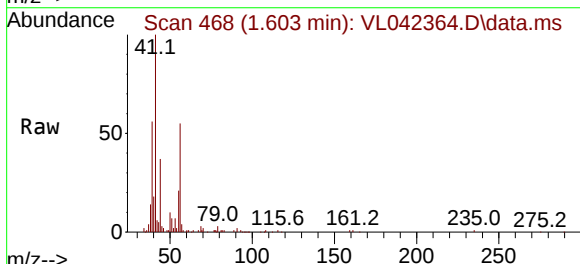
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

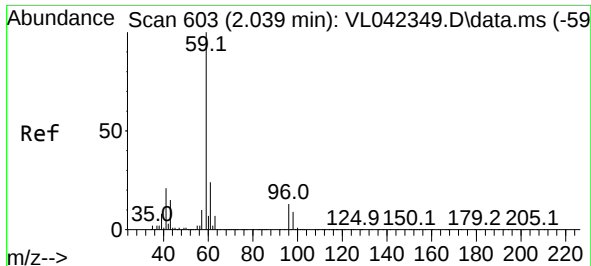
Tgt Ion: 43 Resp: 140628
Ion Ratio Lower Upper
43 100
58 22.9 22.4 33.6



#16
1,3-Butadiene
Concen: 0.628 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 39 Resp: 5791
Ion Ratio Lower Upper
39 100
54 23.4 64.9 97.3#





#17

tert-Butyl alcohol

Concen: 0.364 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_1

ClientSampleId :

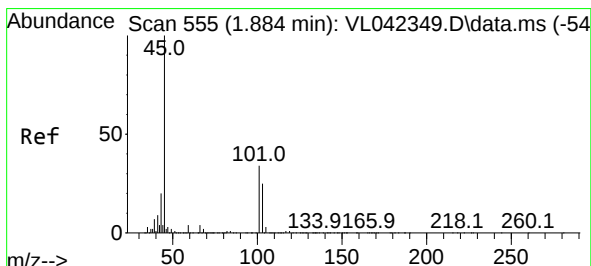
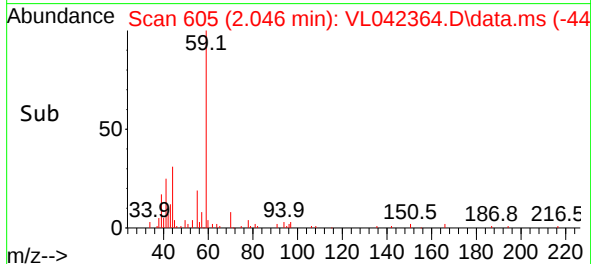
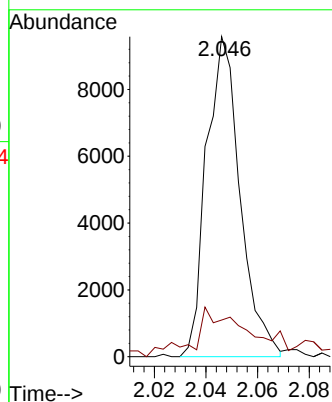
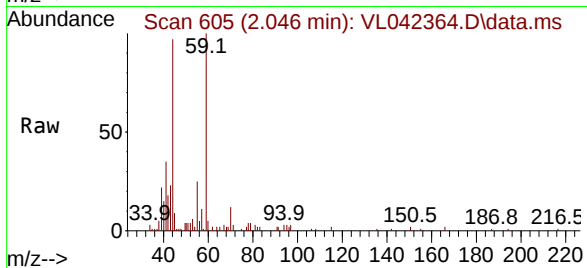
IA-B1-1-3252025

Tgt Ion: 59 Resp: 8687

Ion Ratio Lower Upper

59 100

57 27.5 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 3.132 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.007 min

Lab File: VL042364.D

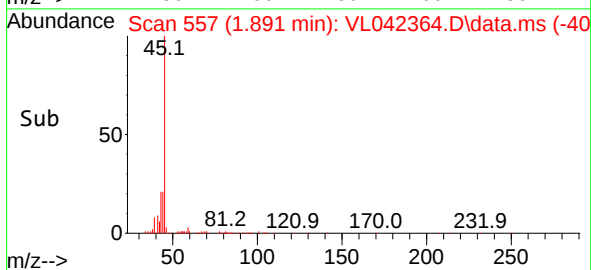
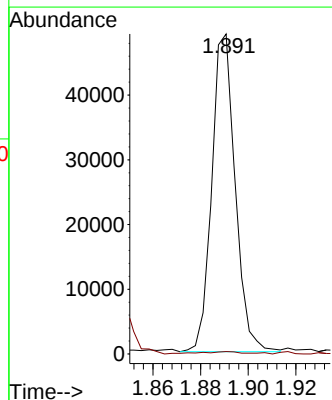
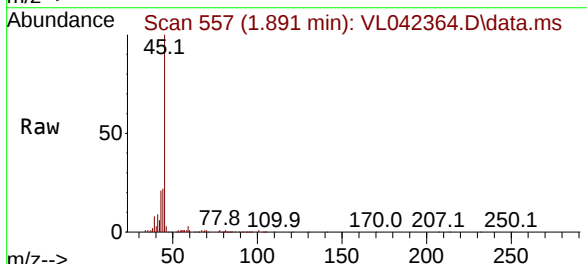
Acq: 17 Apr 2025 18:58

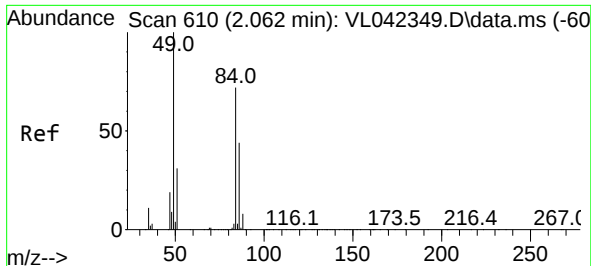
Tgt Ion: 45 Resp: 33526

Ion Ratio Lower Upper

45 100

58 96.1 34.5 51.7#





#20

Methylene Chloride

Concen: 5.205 ppbv

RT: 2.066 min Scan# 610

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-1-3252025

Tgt Ion: 84 Resp: 39273

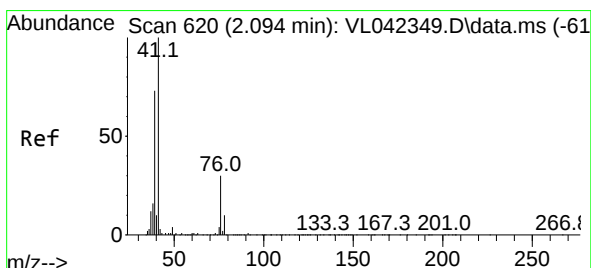
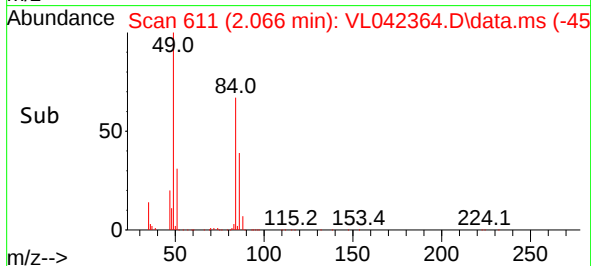
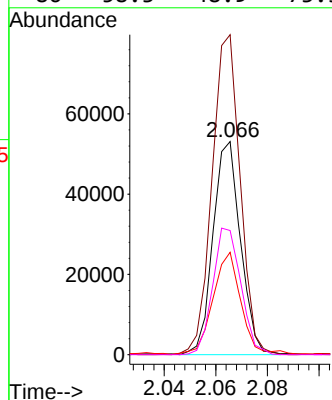
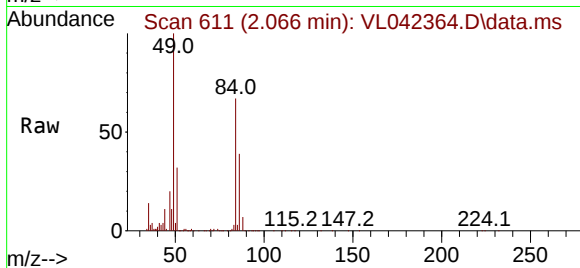
Ion Ratio Lower Upper

84 100

49 149.8 111.6 167.4

51 47.4 35.1 52.7

86 58.3 48.9 73.3



#21

Allyl Chloride

Concen: 0.141 ppbv

RT: 2.078 min Scan# 615

Delta R.T. -0.016 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

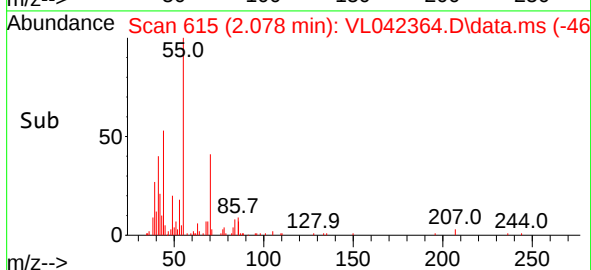
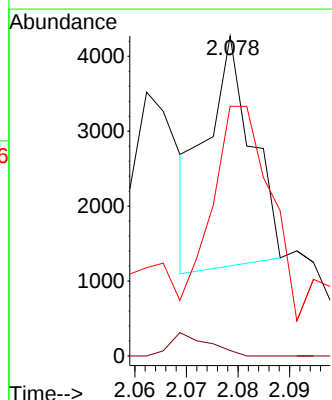
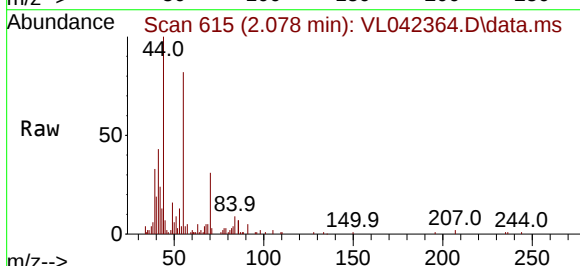
Tgt Ion: 41 Resp: 1879

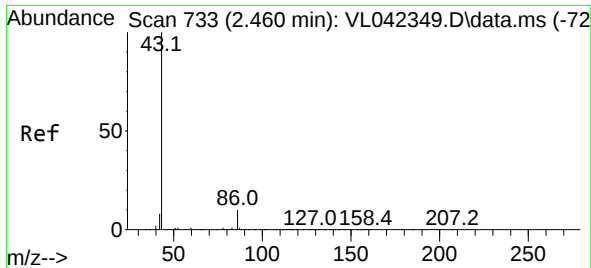
Ion Ratio Lower Upper

41 100

76 0.0 24.8 37.2#

39 143.2 60.6 90.8#

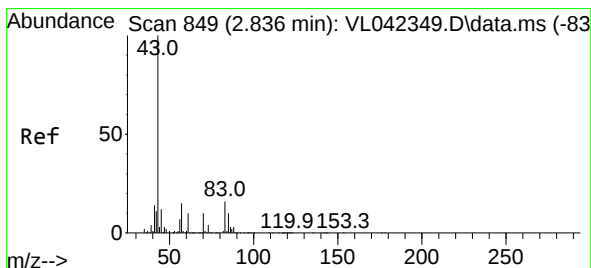
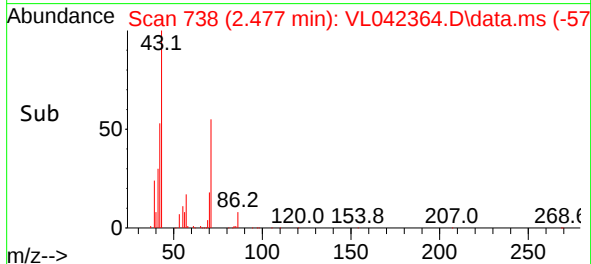
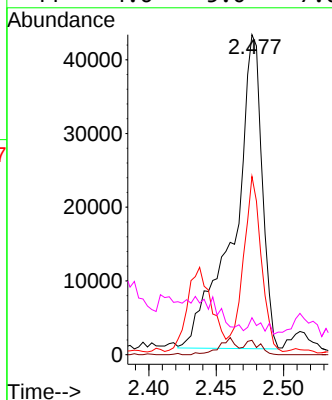
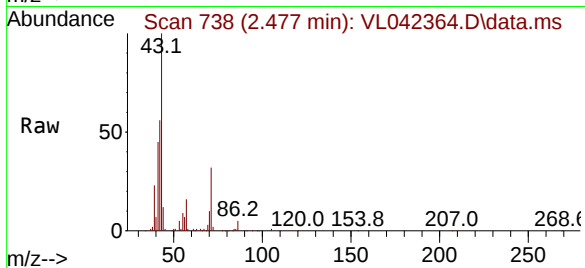




#23
 Vinyl Acetate
 Concen: 7.884 ppbv
 RT: 2.477 min Scan# 71
 Delta R.T. 0.017 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

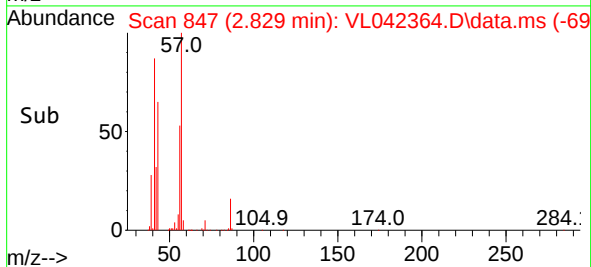
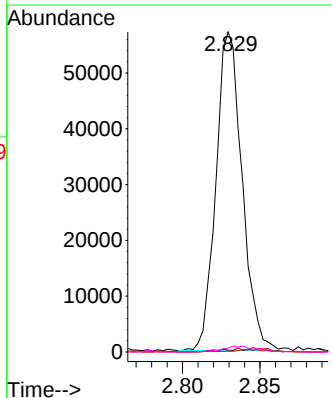
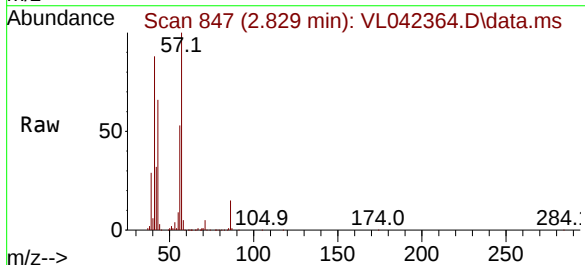
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-1-3252025

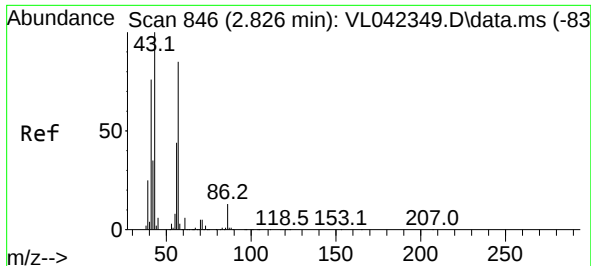
Tgt Ion:	43	Resp:	61483
Ion	Ratio	Lower	Upper
43	100		
86	4.6	6.5	9.7#
42	55.0	7.8	11.8#
44	4.6	5.0	7.6#



#25
 Ethyl Acetate
 Concen: 1.409 ppbv
 RT: 2.829 min Scan# 847
 Delta R.T. -0.006 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

Tgt Ion:	43	Resp:	66917
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.3	12.5#
61	1.1	7.3	10.9#
70	2.5	7.0	10.6#

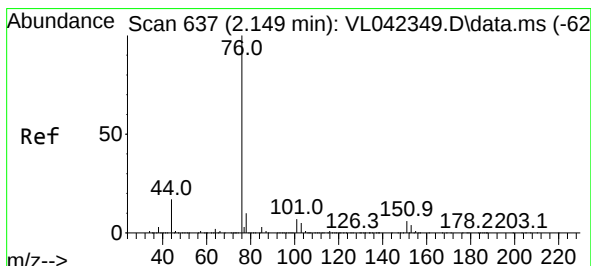
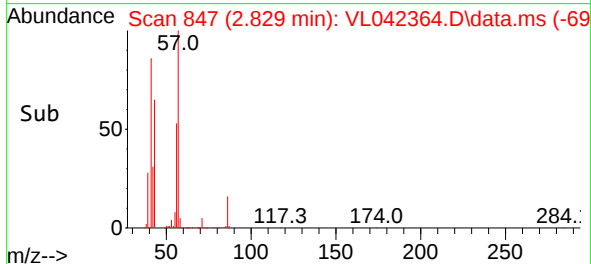
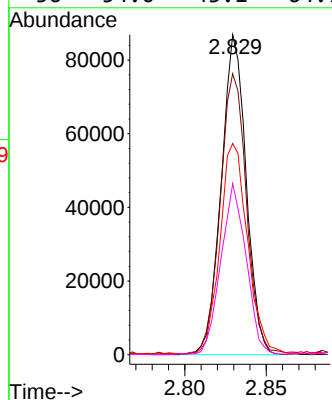
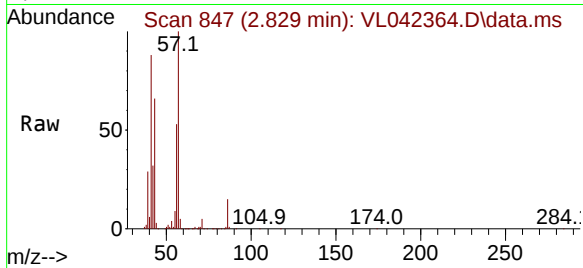




#26
Hexane
Concen: 4.817 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

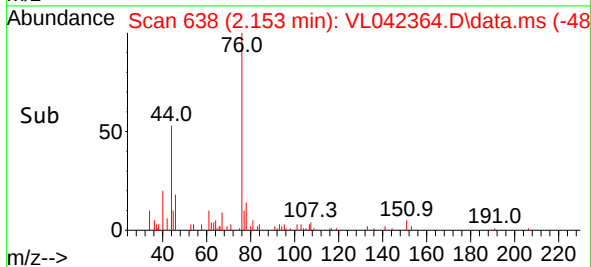
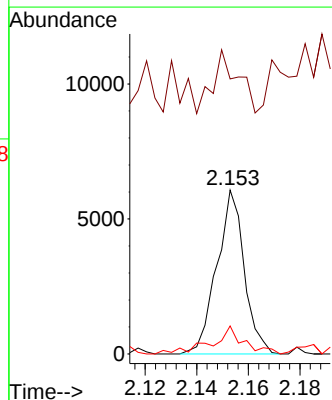
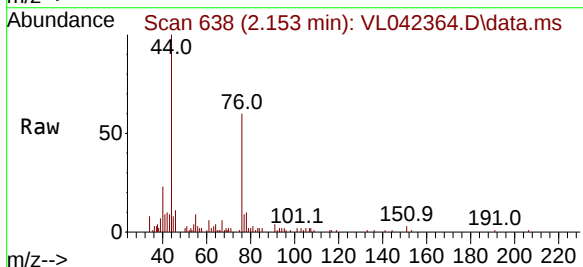
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

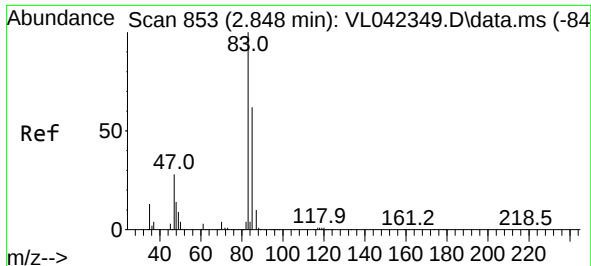
Tgt Ion: 57	Resp: 92595
Ion Ratio	Lower Upper
57 100	
41 92.9	77.9 116.9
43 73.0	208.4 312.6#
56 54.0	43.1 64.7



#27
Carbon Disulfide
Concen: 0.218 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 76	Resp: 4485
Ion Ratio	Lower Upper
76 100	
44 265.5	15.5 23.3#
78 19.9	9.3 13.9#





#29

Chloroform

Concen: 0.094 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.007 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

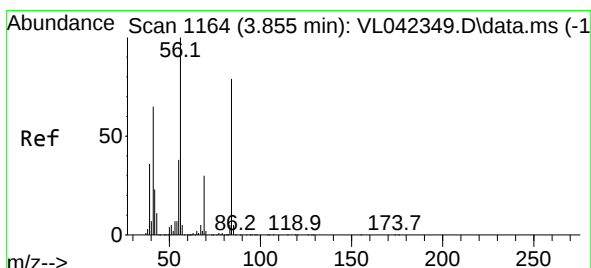
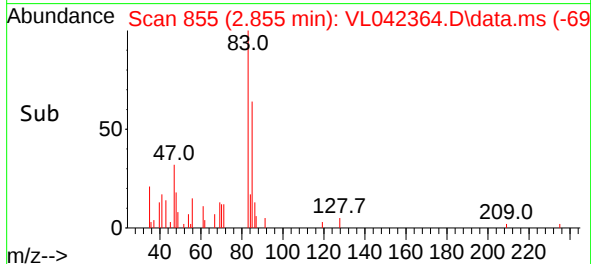
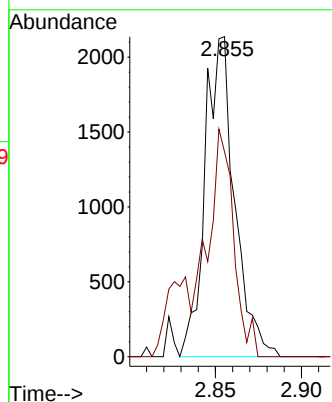
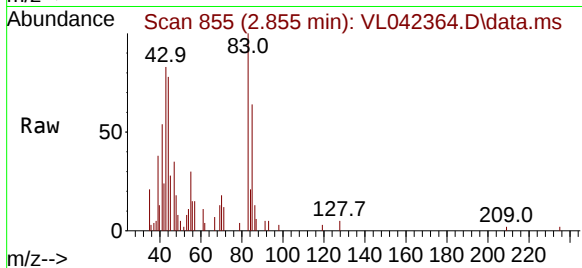
IA-B1-1-3252025

Tgt Ion: 83 Resp: 2558

Ion Ratio Lower Upper

83 100

85 64.1 50.0 75.0



#30

Cyclohexane

Concen: 1.845 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

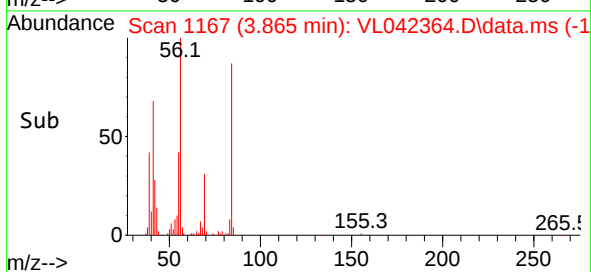
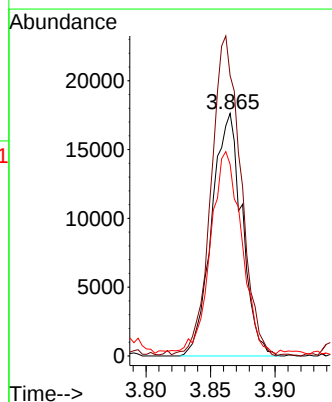
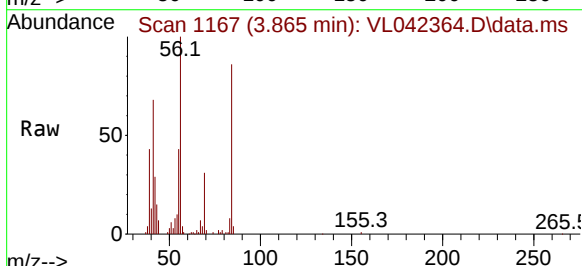
Tgt Ion: 84 Resp: 28679

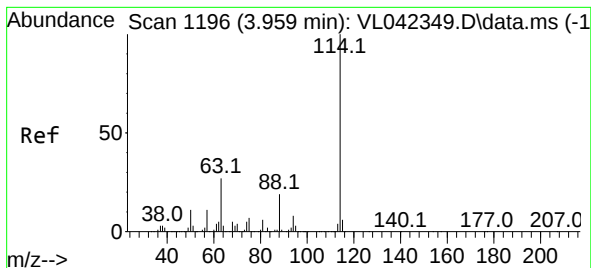
Ion Ratio Lower Upper

84 100

56 129.9 101.0 151.4

41 86.0 67.4 101.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-1-3252025

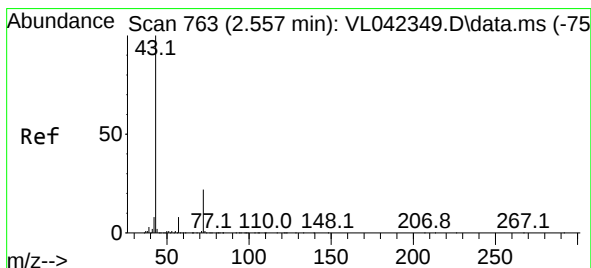
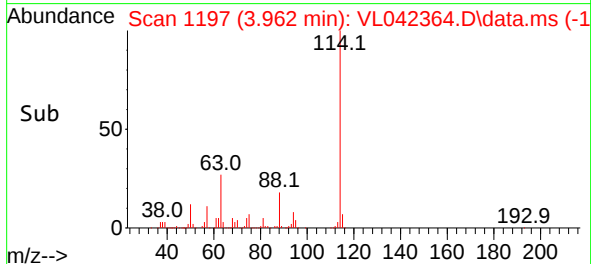
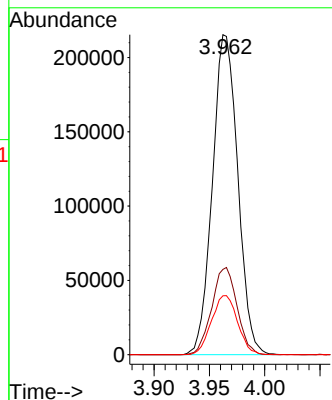
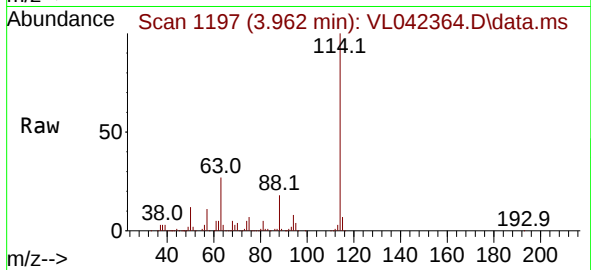
Tgt Ion:114 Resp: 343133

Ion Ratio Lower Upper

114 100

63 27.3 21.8 32.6

88 19.0 15.5 23.3



#34

2-Butanone

Concen: 0.825 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL042364.D

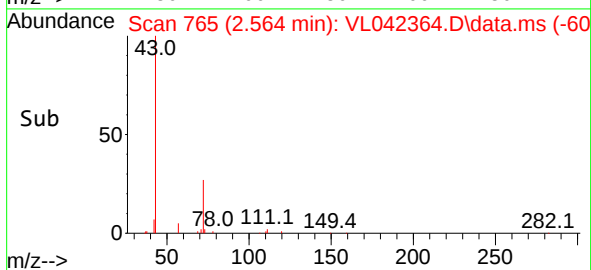
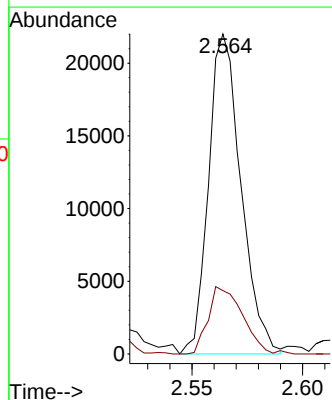
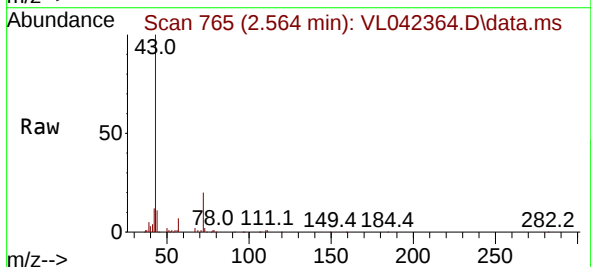
Acq: 17 Apr 2025 18:58

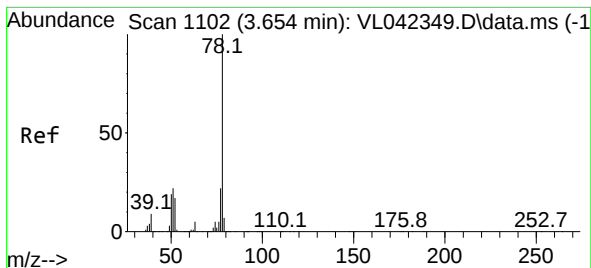
Tgt Ion: 43 Resp: 22380

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.2





#36

Benzene

Concen: 0.768 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_1

ClientSampleId :

IA-B1-1-3252025

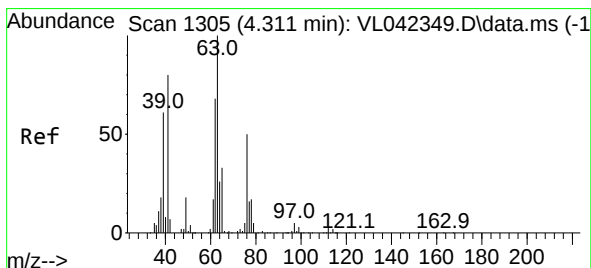
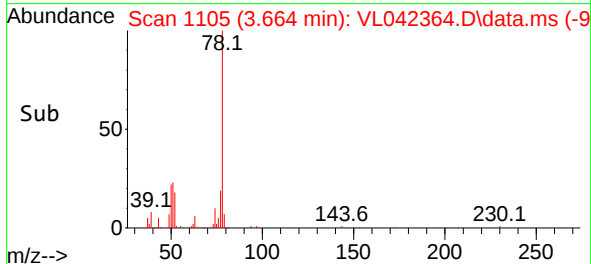
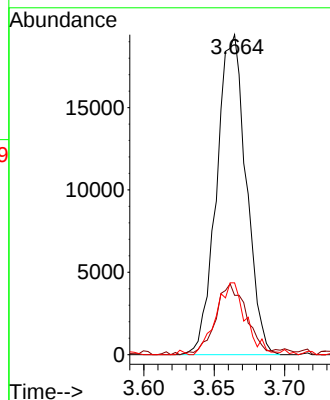
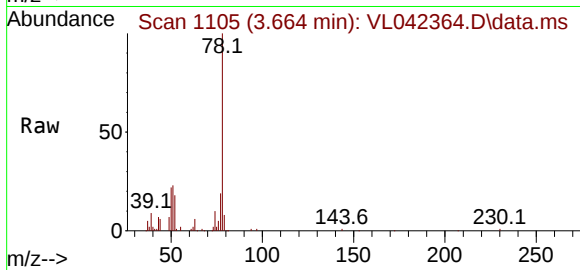
Tgt Ion: 78 Resp: 28409

Ion Ratio Lower Upper

78 100

77 18.5 17.4 26.0

50 21.7 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.771 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

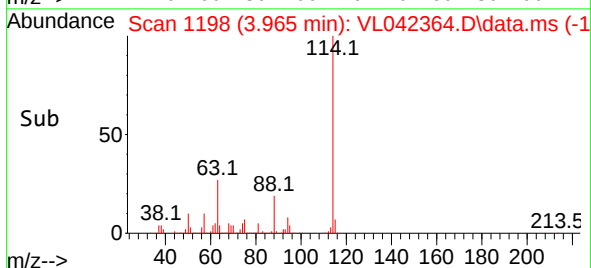
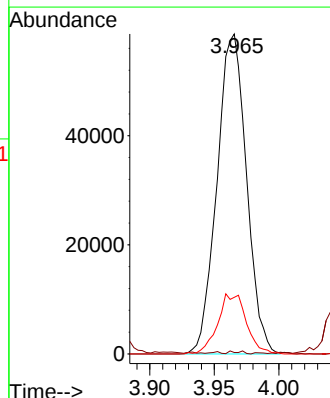
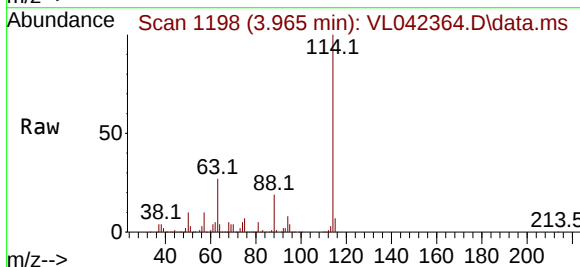
Tgt Ion: 63 Resp: 93381

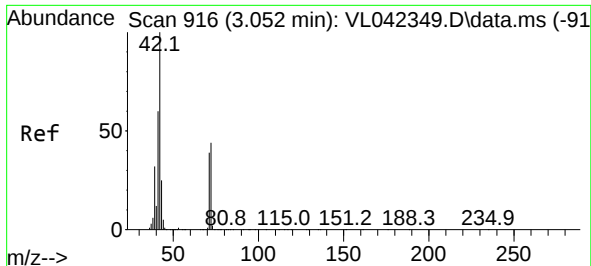
Ion Ratio Lower Upper

63 100

41 0.1 64.2 96.2#

62 17.7 54.3 81.5#

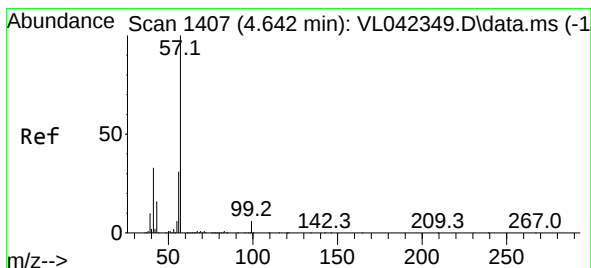
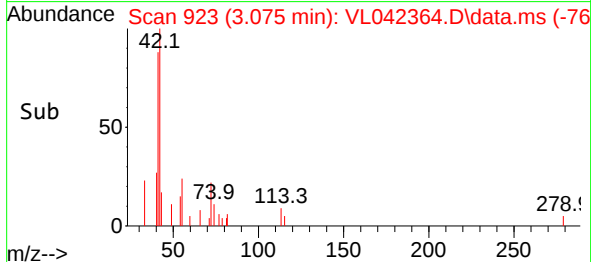
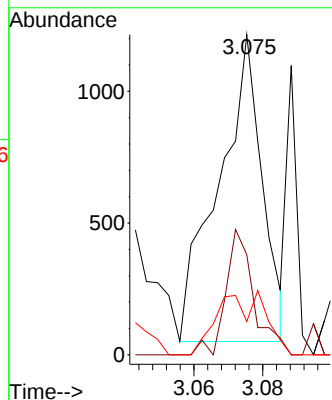
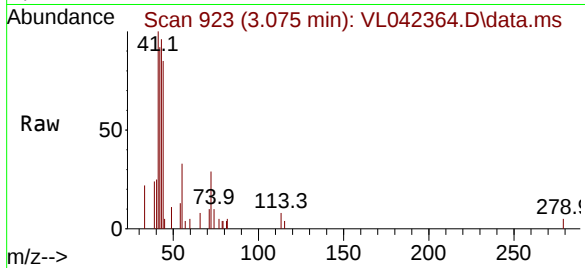




#41
Tetrahydrofuran
Concen: 0.065 ppbv
RT: 3.075 min Scan# 916
Delta R.T. 0.023 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

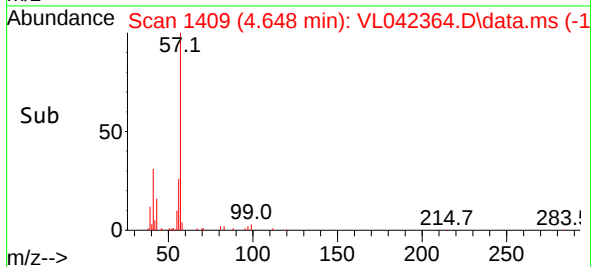
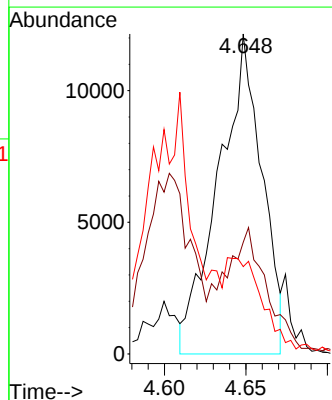
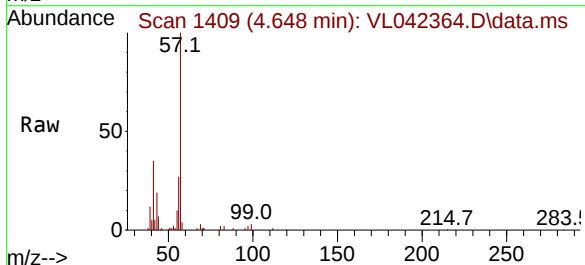
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

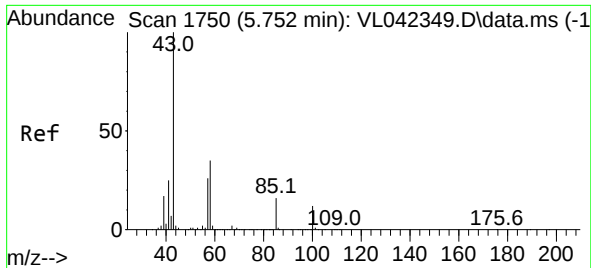
Tgt Ion: 42	Resp: 1027
Ion Ratio	Lower Upper
42	100
72	28.5 32.3 48.5#
71	27.3 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.350 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 57	Resp: 22397
Ion Ratio	Lower Upper
57	100
41	34.2 27.2 40.8
56	0.0 25.7 38.5#

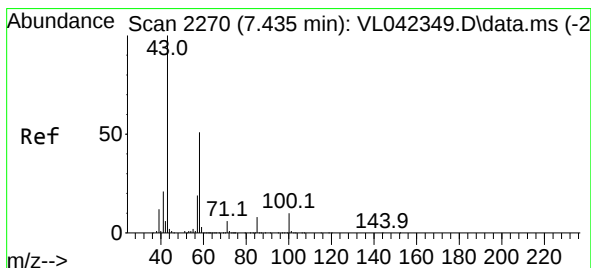
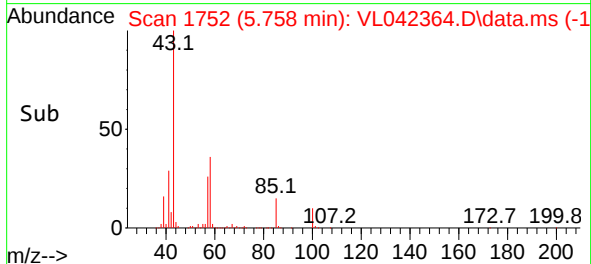
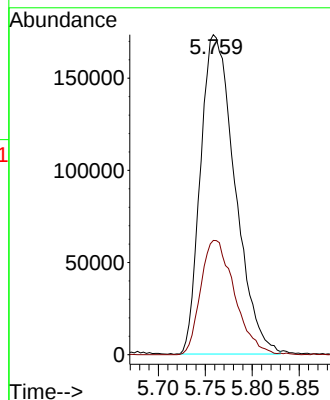
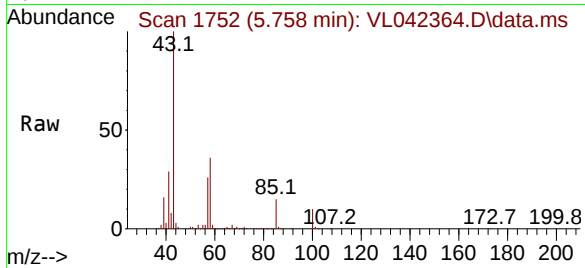




#50
4-Methyl-2-Pentanone
Concen: 9.785 ppbv
RT: 5.758 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

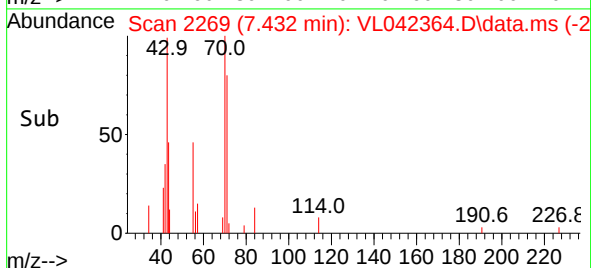
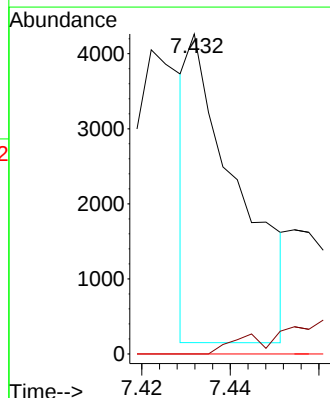
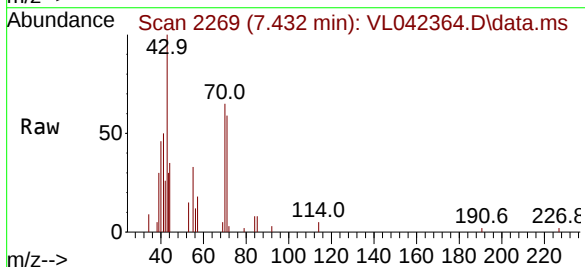
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

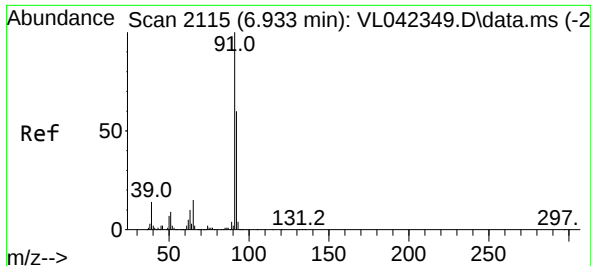
Tgt Ion: 43 Resp: 441281
Ion Ratio Lower Upper
43 100
58 35.4 28.6 43.0



#51
2-Hexanone
Concen: 0.079 ppbv
RT: 7.432 min Scan# 2269
Delta R.T. -0.003 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.4#
98 0.0 0.1 0.1#

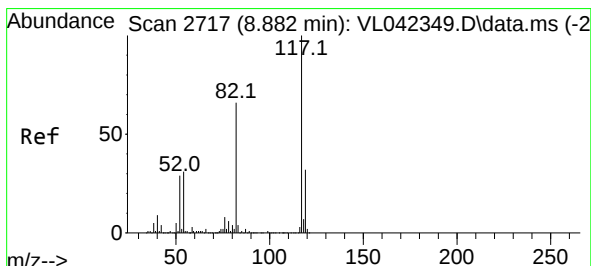
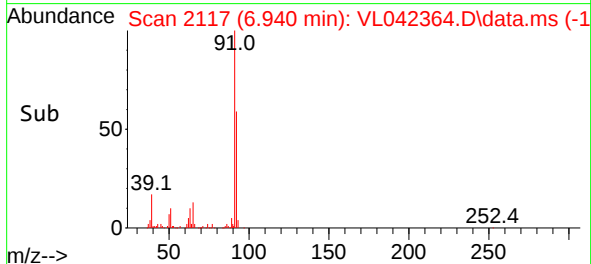
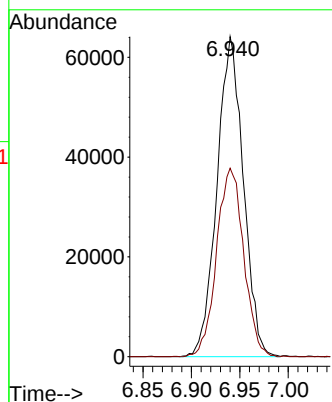
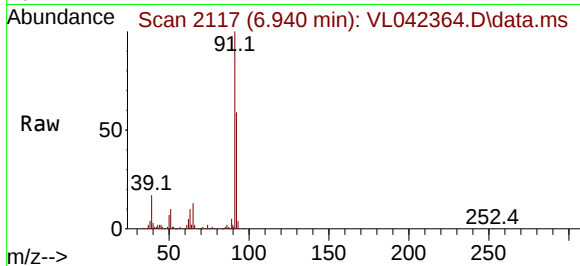




#53
Toluene
Concen: 2.738 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

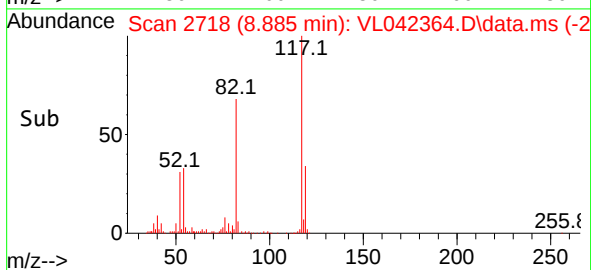
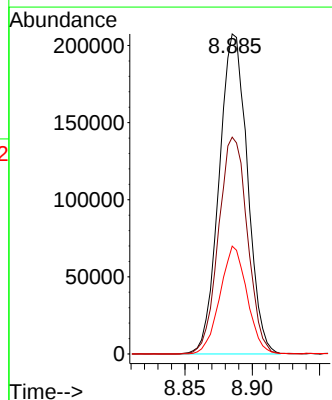
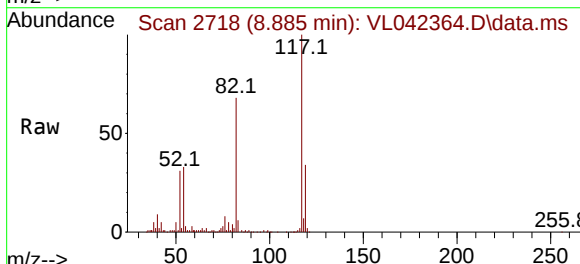
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

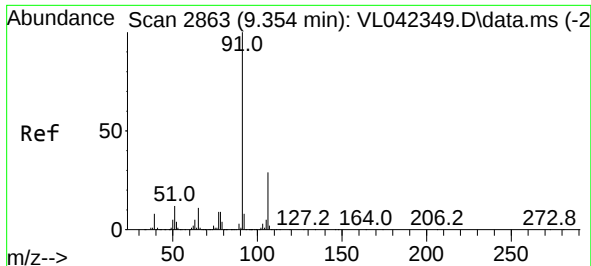
Tgt Ion: 91 Resp: 121585
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 117 Resp: 303219
Ion Ratio Lower Upper
117 100
82 69.1 57.8 86.6
119 32.4 25.2 37.8

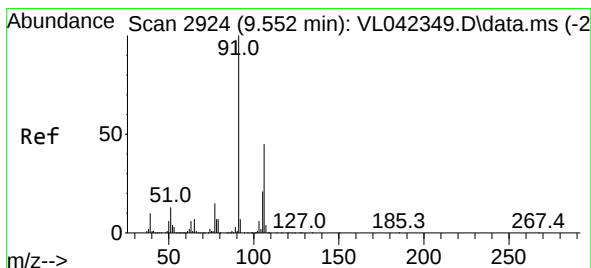
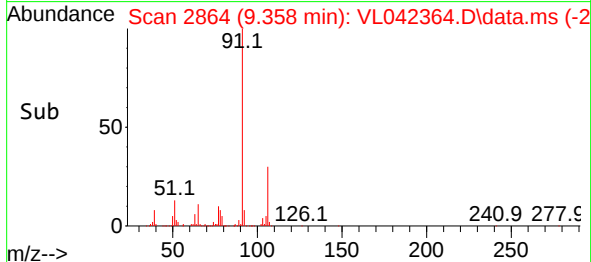
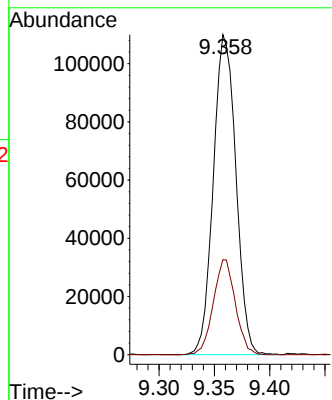
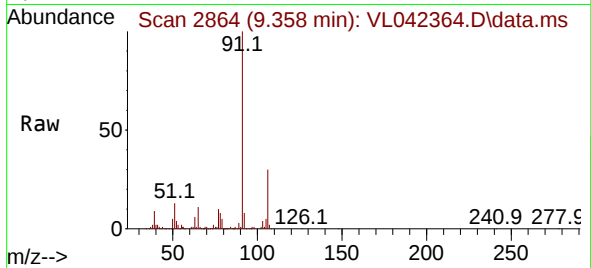




#58
Ethyl Benzene
Concen: 2.603 ppbv
RT: 9.358 min Scan# 2199
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

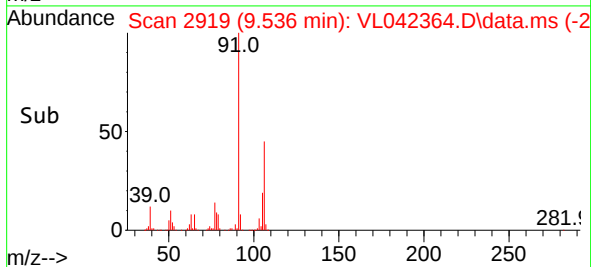
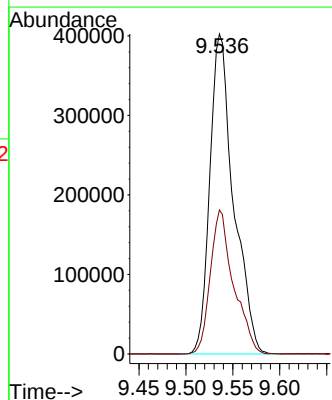
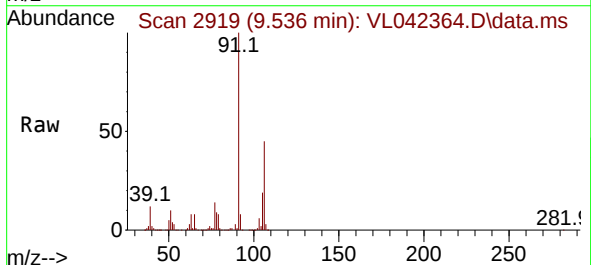
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

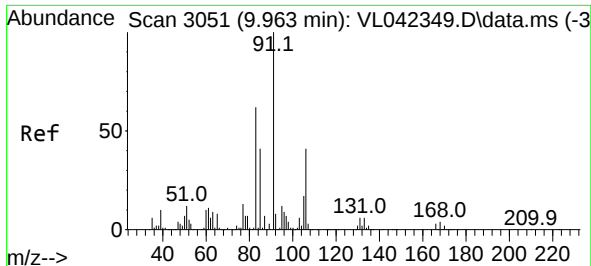
Tgt Ion: 91 Resp: 156392
Ion Ratio Lower Upper
91 100
106 29.7 23.0 34.4



#59
m/p-Xylene
Concen: 14.596 ppbv
RT: 9.536 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 91 Resp: 706391
Ion Ratio Lower Upper
91 100
106 44.2 35.4 53.2

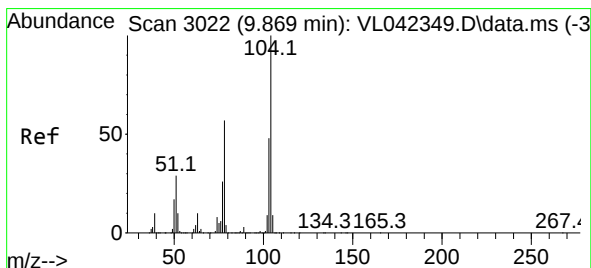
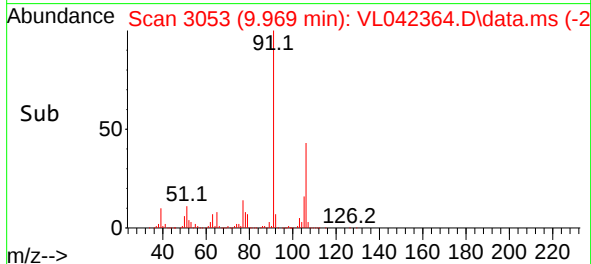
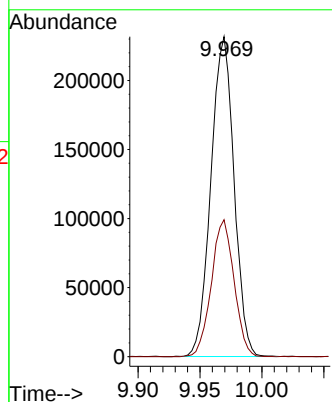
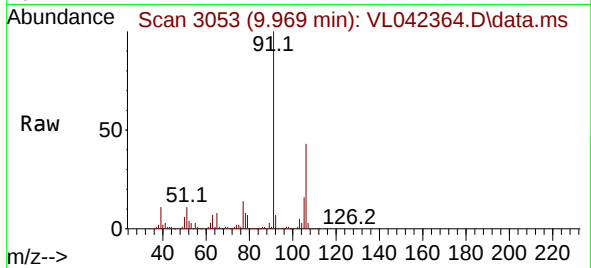




#60
o-Xylene
Concen: 6.183 ppbv
RT: 9.969 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

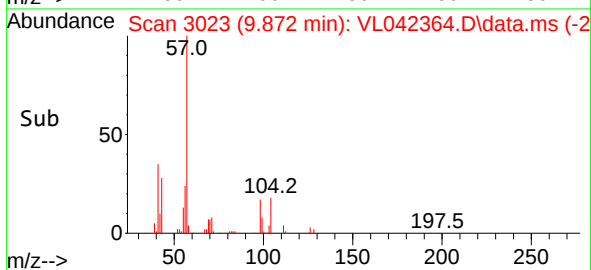
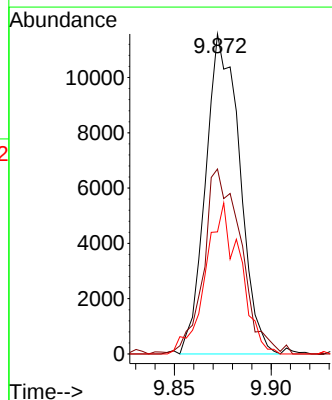
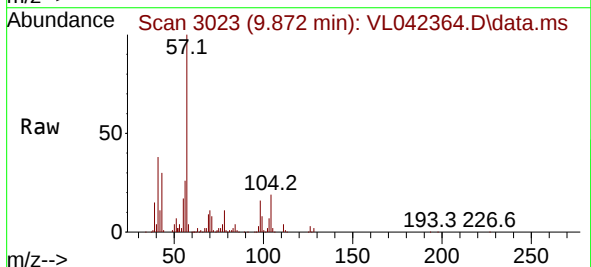
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

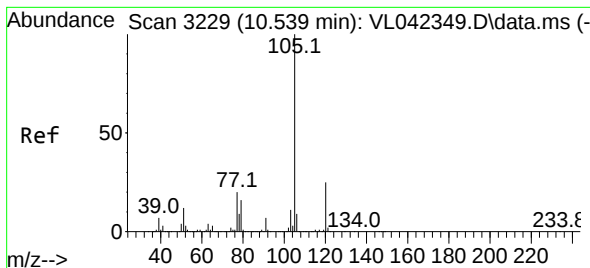
Tgt Ion: 91 Resp: 301328
Ion Ratio Lower Upper
91 100
106 42.0 21.1 63.4



#61
Styrene
Concen: 0.609 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 104 Resp: 14156
Ion Ratio Lower Upper
104 100
78 63.7 44.6 66.8
103 48.0 37.4 56.0





#62

Isopropylbenzene

Concen: 0.357 ppbv

RT: 10.542 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

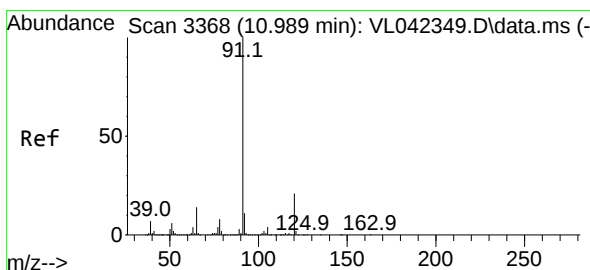
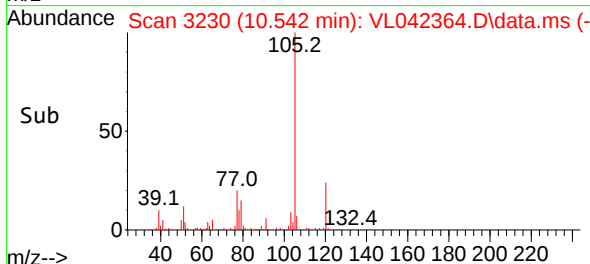
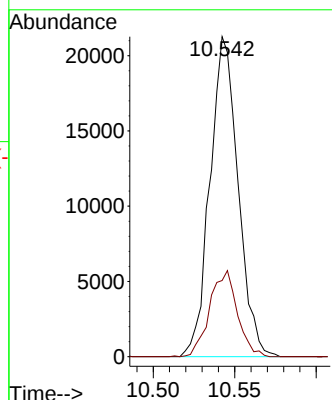
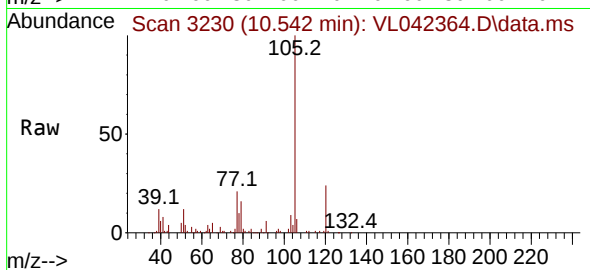
IA-B1-1-3252025

Tgt Ion:105 Resp: 25514

Ion Ratio Lower Upper

105 100

120 26.4 19.8 29.8



#64

n-propylbenzene

Concen: 1.536 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.004 min

Lab File: VL042364.D

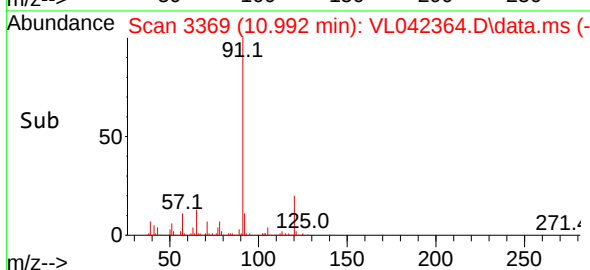
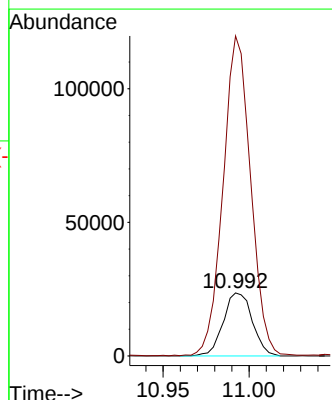
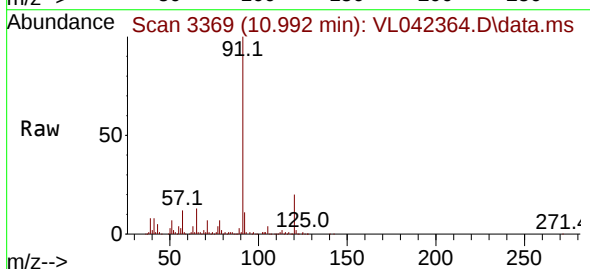
Acq: 17 Apr 2025 18:58

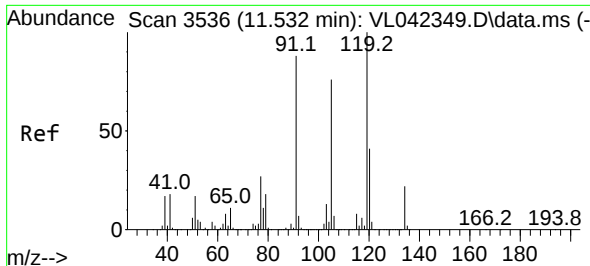
Tgt Ion:120 Resp: 27632

Ion Ratio Lower Upper

120 100

91 483.8 392.4 588.6

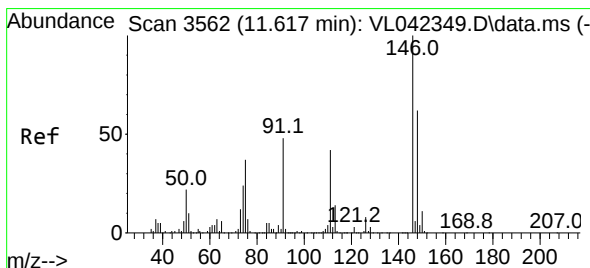
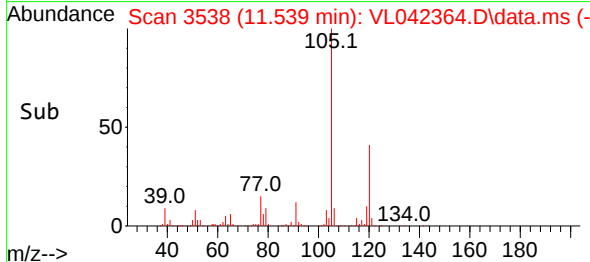
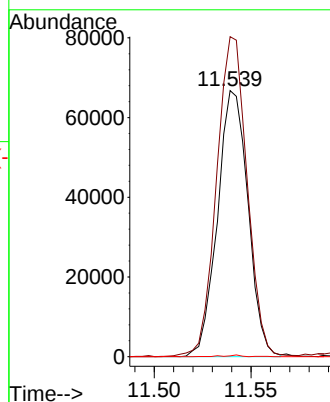
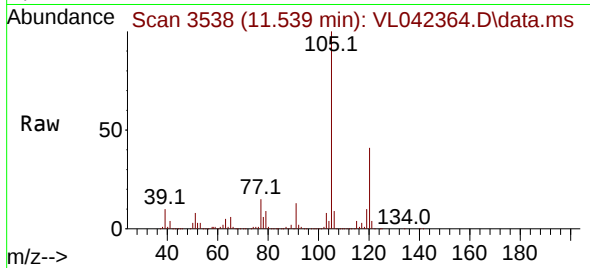




#65
tert-Butylbenzene
Concen: 1.112 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.007 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

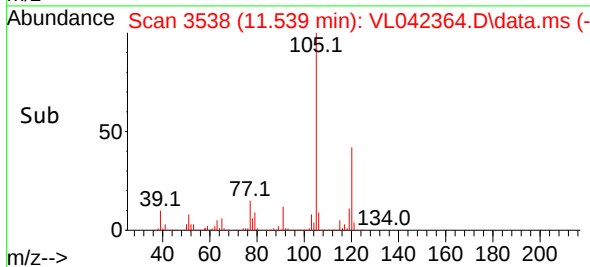
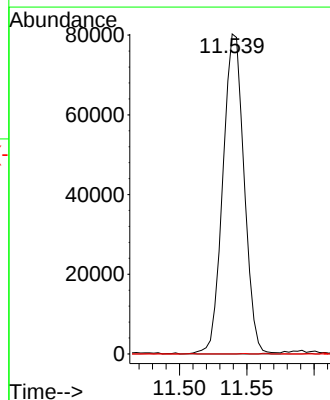
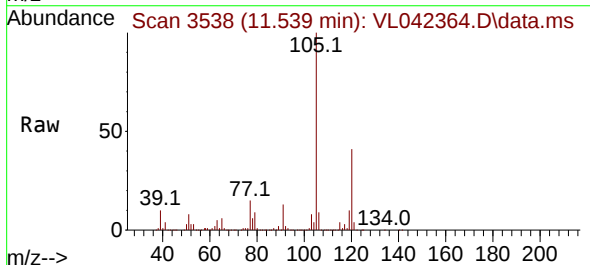
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

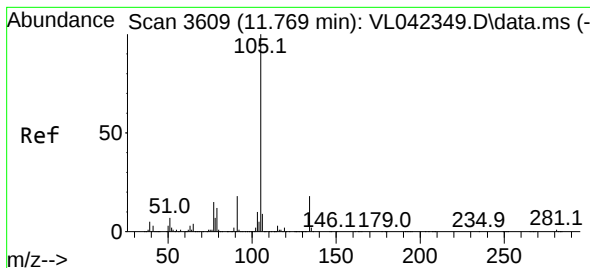
Tgt Ion:119 Resp: 73146
Ion Ratio Lower Upper
119 100
91 120.0 74.6 111.8#
134 0.4 18.8 28.2#



#66
Benzyl Chloride
Concen: 12.198 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.077 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 91 Resp: 88151
Ion Ratio Lower Upper
91 100
126 0.3 11.8 17.6#
128 0.0 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.204 ppbv

RT: 11.772 min Scan# 3180

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_1

ClientSampleId :

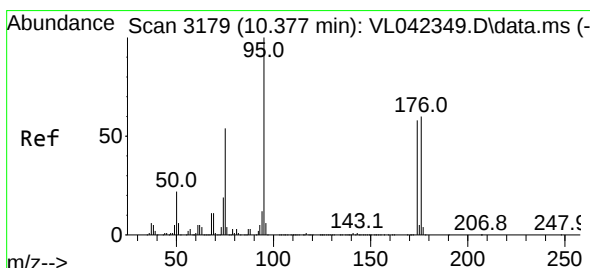
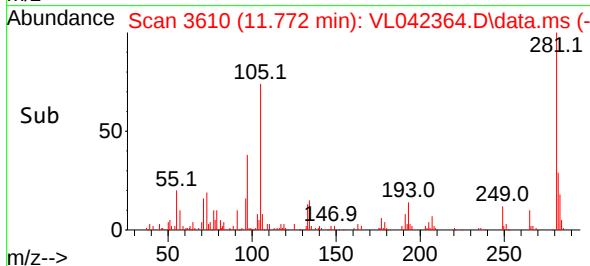
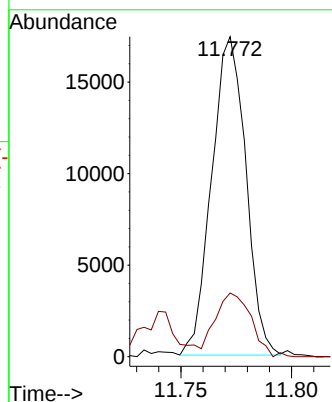
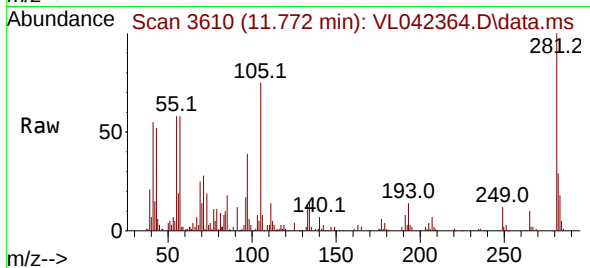
IA-B1-1-3252025

Tgt Ion:105 Resp: 18674

Ion Ratio Lower Upper

105 100

134 20.8 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.938 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

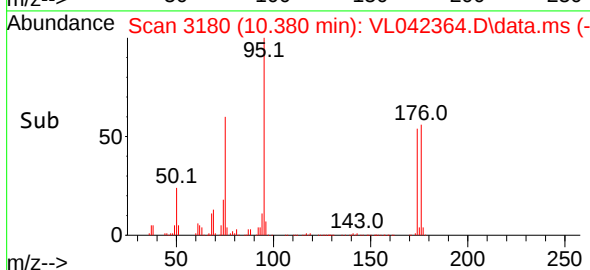
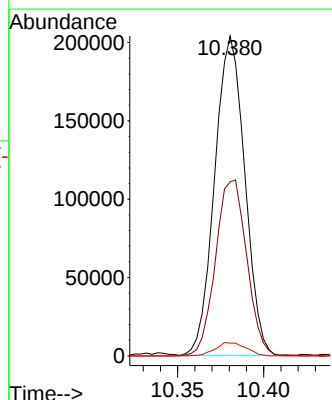
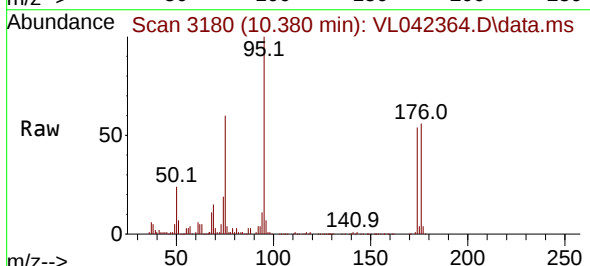
Tgt Ion: 95 Resp: 247615

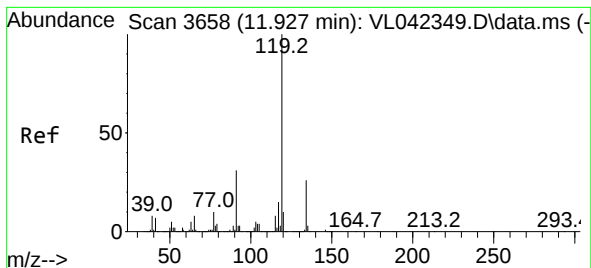
Ion Ratio Lower Upper

95 100

174 57.3 48.5 72.7

175 4.3 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.169 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-1-3252025

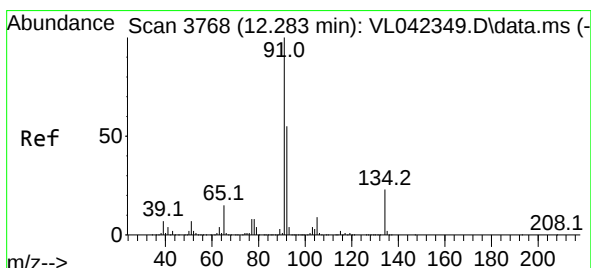
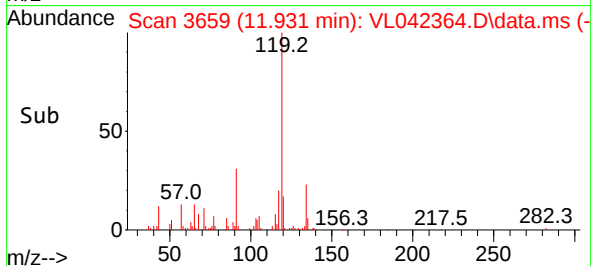
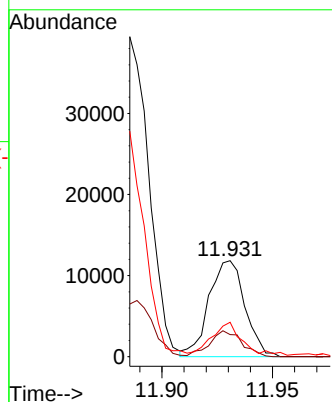
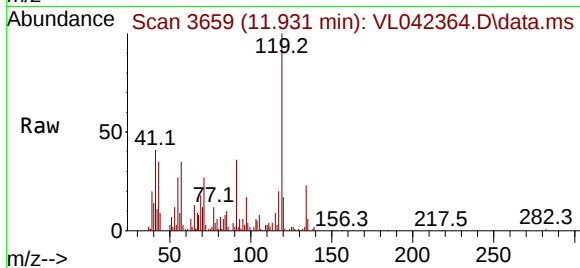
Tgt Ion:119 Resp: 13409

Ion Ratio Lower Upper

119 100

134 24.4 20.0 30.0

91 31.1 24.4 36.6



#70

n-Butylbenzene

Concen: 0.542 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.004 min

Lab File: VL042364.D

Acq: 17 Apr 2025 18:58

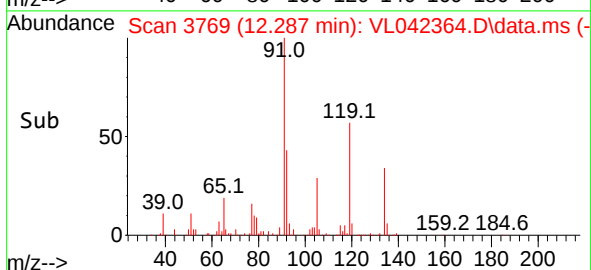
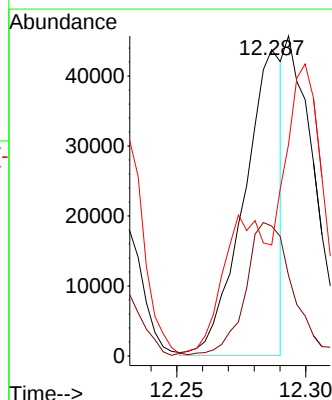
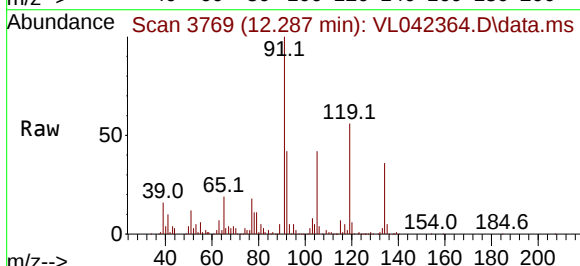
Tgt Ion: 91 Resp: 44840

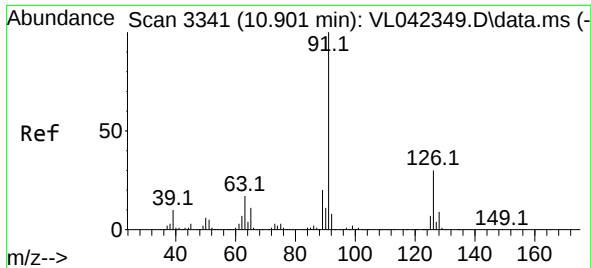
Ion Ratio Lower Upper

91 100

92 54.9 44.2 66.4

134 0.0 18.2 27.4#

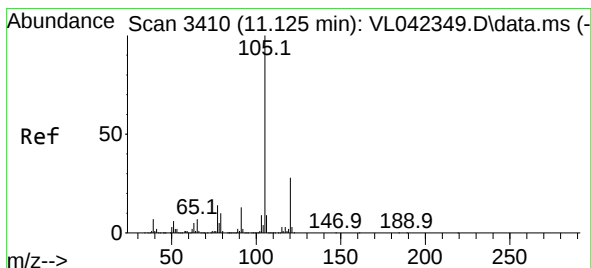
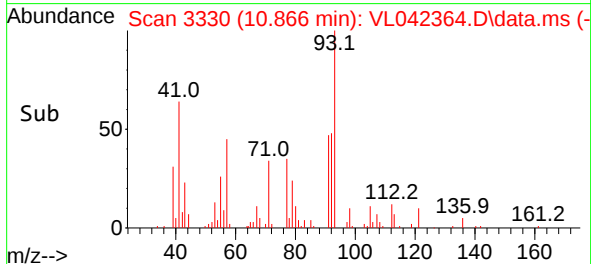
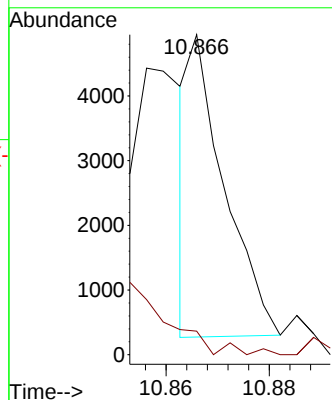
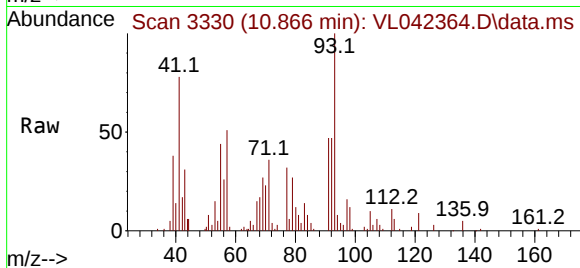




#71
2-Chlorotoluene
Concen: 0.039 ppbv
RT: 10.866 min Scan# 311
Delta R.T. -0.035 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

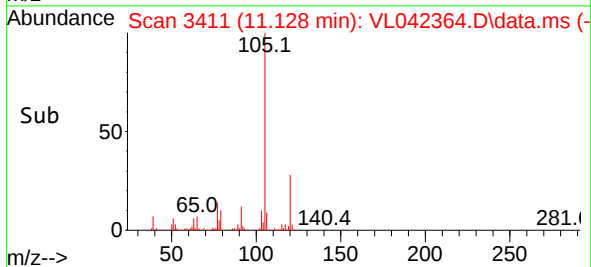
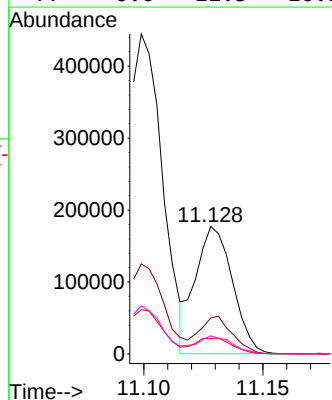
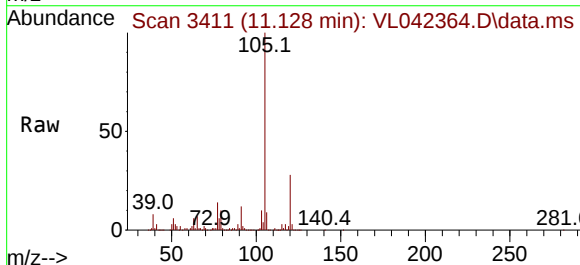
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

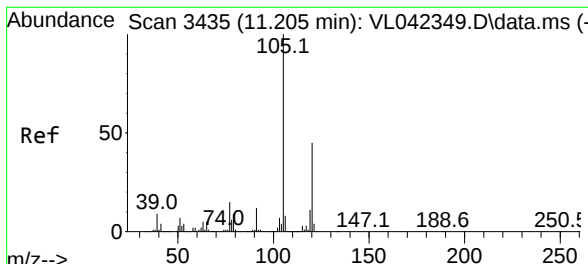
Tgt Ion: 91 Resp: 2208
Ion Ratio Lower Upper
91 100
126 16.7 11.4 45.4



#72
4-Ethyltoluene
Concen: 3.212 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion: 105 Resp: 191371
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#



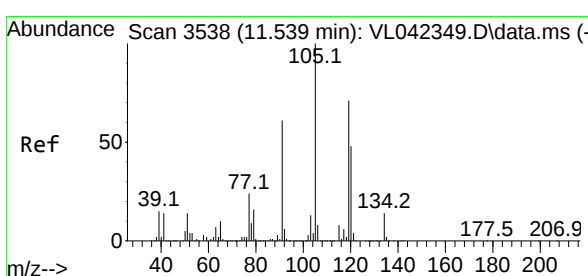
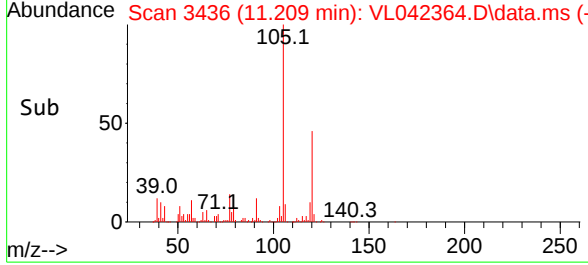
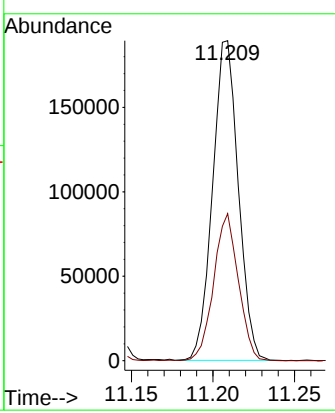
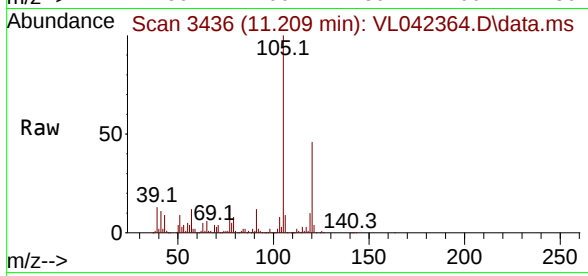


#73
 1,3,5-Trimethylbenzene
 Concen: 3.951 ppbv
 RT: 11.209 min Scan# 3435
 Delta R.T. 0.004 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

Instrument : MSVOA_1
 ClientSampleId : IA-B1-1-3252025

Tgt Ion:105 Resp: 207820

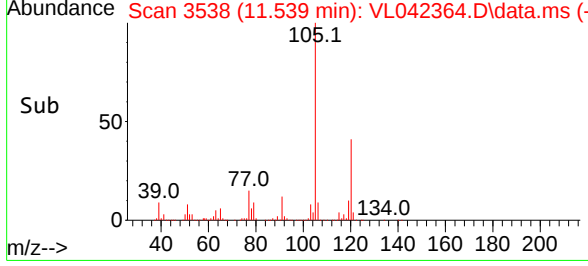
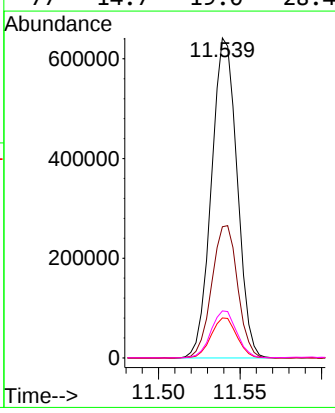
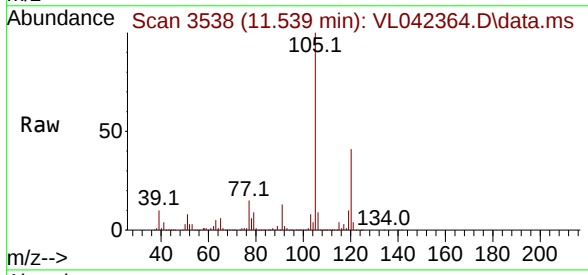
Ion	Ratio	Lower	Upper
105	100		
120	45.9	35.6	53.4

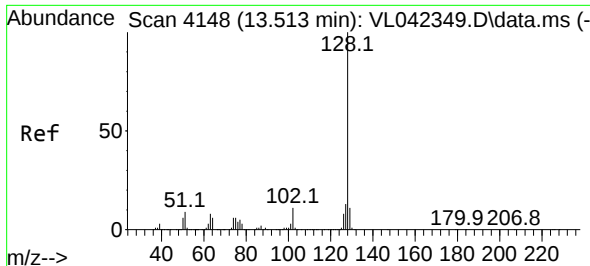


#74
 1,2,4-Trimethylbenzene
 Concen: 11.415 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.000 min
 Lab File: VL042364.D
 Acq: 17 Apr 2025 18:58

Tgt Ion:105 Resp: 701287

Ion	Ratio	Lower	Upper
105	100		
120	41.0	38.1	57.1
91	12.5	48.8	73.2#
77	14.7	19.0	28.4#

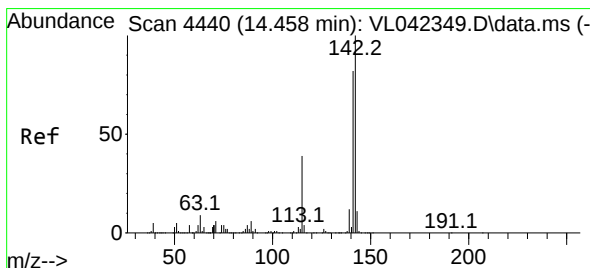
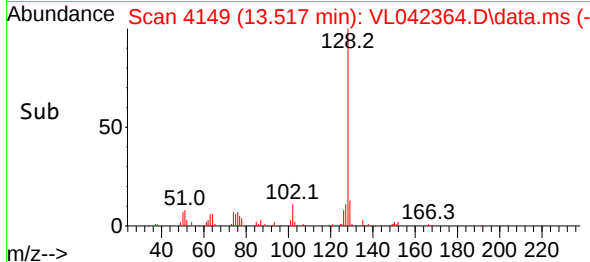
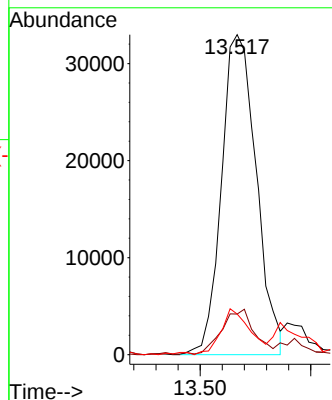
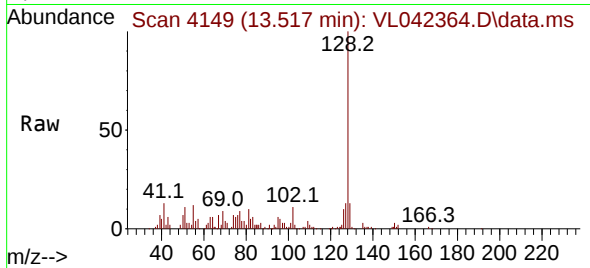




#79
Naphthalene
Concen: 0.491 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-1-3252025

Tgt Ion:128 Resp: 36056
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 12.0 8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 0.335 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.004 min
Lab File: VL042364.D
Acq: 17 Apr 2025 18:58

Tgt Ion:142 Resp: 14016
Ion Ratio Lower Upper
142 100
141 90.0 66.8 100.2
115 113.1 33.4 50.2#

