

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042361.D
 Acq On : 17 Apr 2025 17:17
 Operator : SY/MD
 Sample : Q1668-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025

Quant Time: Apr 18 02:38:57 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	2.787	49	118680	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	339191	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	303501	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	254412	10.201	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	9719	0.463	ppbv	96
3) Chlorodifluoromethane	1.476	51	10711	0.536	ppbv #	88
4) Chloromethane	1.535	50	4388	0.529	ppbv #	83
6) Bromomethane	1.664	94	153	0.039	ppbv #	45
7) Chloroethane	1.706	64	113	0.035	ppbv #	79
9) Propene	1.486	41	5612	0.617	ppbv	87
10) Heptane	4.982	43	49177	1.925	ppbv	98
11) Trichlorofluoromethane	1.878	101	4685	0.235	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	1388	0.085	ppbv	99
13) Ethanol	1.722	45	357077	247.060	ppbv	76
15) Acetone	1.836	43	102271	5.264	ppbv	92
16) 1,3-Butadiene	1.603	39	5117	0.551	ppbv #	9
17) tert-Butyl alcohol	2.046	59	3120	0.130	ppbv #	34
19) Isopropyl Alcohol	1.888	45	23025	2.133	ppbv #	3
20) Methylene Chloride	2.062	84	21165	2.782	ppbv #	80
21) Allyl Chloride	2.085	41	432	0.032	ppbv #	1
23) Vinyl Acetate	2.451	43	6946	0.883	ppbv #	77
25) Ethyl Acetate	2.829	43	41711	0.871	ppbv #	80
26) Hexane	2.826	57	57707	2.977	ppbv #	32
27) Carbon Disulfide	2.150	76	12989	0.626	ppbv #	1
29) Chloroform	2.849	83	1642	0.060	ppbv	90
30) Cyclohexane	3.862	84	52016	3.319	ppbv	99
34) 2-Butanone	2.564	43	18598	0.693	ppbv	98
35) Carbon Tetrachloride	3.762	117	1037	0.034	ppbv #	76
36) Benzene	3.658	78	20521	0.561	ppbv	98
39) 1,2-Dichloropropane	3.962	63	92371	6.775	ppbv #	23
41) Tetrahydrofuran	3.072	42	1220	0.078	ppbv #	80
44) 2,2,4-Trimethylpentane	4.642	57	8612	0.136	ppbv #	42
50) 4-Methyl-2-Pentanone	5.755	43	873418	19.593	ppbv	99
53) Toluene	6.933	91	68700	1.565	ppbv	100
58) Ethyl Benzene	9.361	91	56772	0.944	ppbv	94
59) m/p-Xylene	9.536	91	454491	9.382	ppbv	100
60) o-Xylene	9.966	91	95896	1.966	ppbv	99
61) Styrene	9.872	104	37931	1.629	ppbv	98
62) Isopropylbenzene	10.542	105	10580	0.148	ppbv	95
64) n-propylbenzene	10.992	120	9483	0.527	ppbv	96
65) tert-Butylbenzene	11.539	119	25601	0.389	ppbv #	68
66) Benzyl Chloride	11.536	91	30407	4.204	ppbv #	70
67) sec-Butylbenzene	11.769	105	7719	0.084	ppbv #	61
69) p-Isopropyltoluene	11.928	119	12502	0.157	ppbv	99
70) n-Butylbenzene	12.287	91	28567	0.345	ppbv #	43
71) 2-Chlorotoluene	10.856	91	8756	0.156	ppbv	87
72) 4-Ethyltoluene	11.128	105	61306	1.028	ppbv #	56

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Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

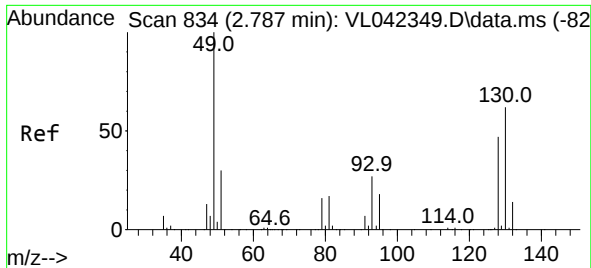
Quant Time: Apr 18 02:38:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	11.206	105	67763	1.287	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	234839	3.819	ppbv #	65
79) Naphthalene	13.517	128	44224	0.601	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	10408	0.248	ppbv #	74

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

Quant Time: Apr 18 02:38:57 2025
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QLast Update : Fri Apr 18 02:14:00 2025
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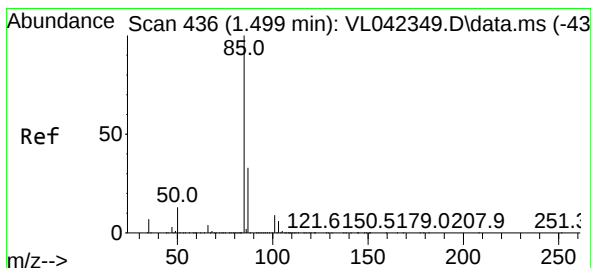
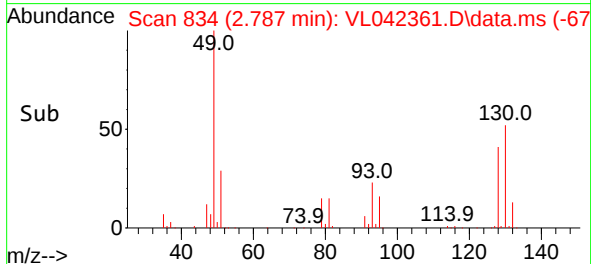
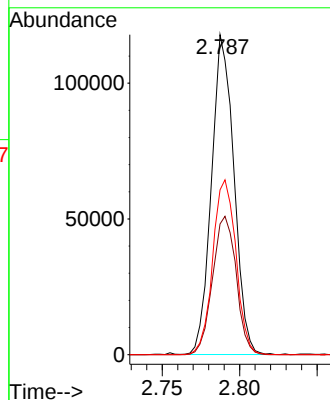
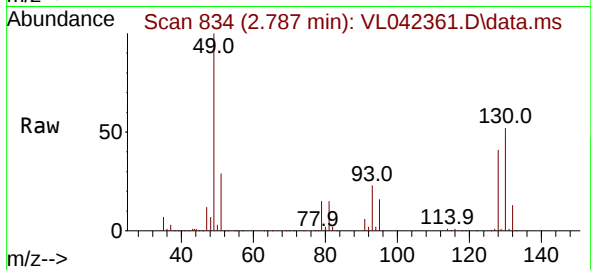




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

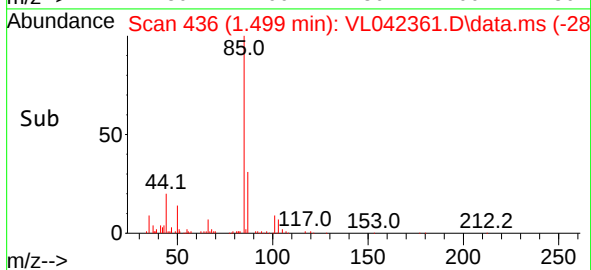
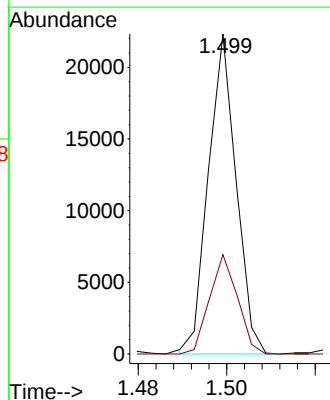
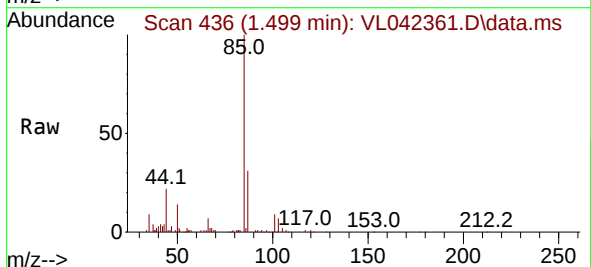
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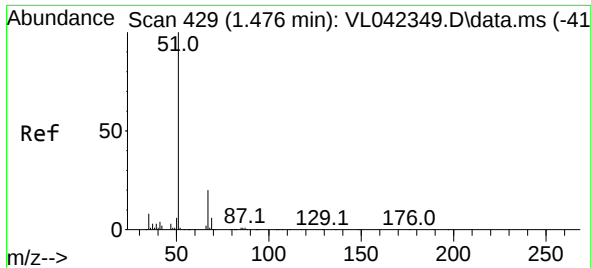
Tgt Ion: 49 Resp: 118680
Ion Ratio Lower Upper
49 100
128 45.4 22.8 68.4
130 56.4 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.463 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 85 Resp: 9719
Ion Ratio Lower Upper
85 100
87 31.1 26.6 39.8

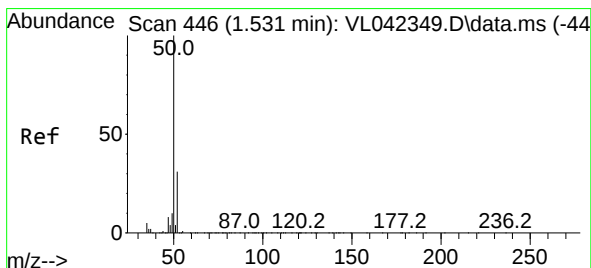
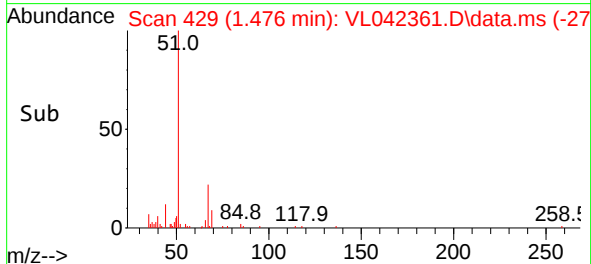
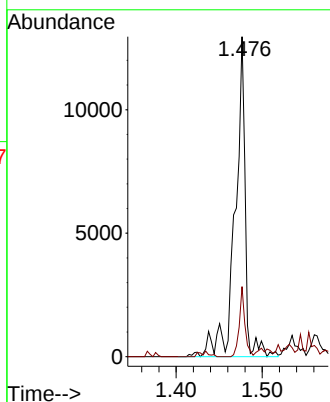
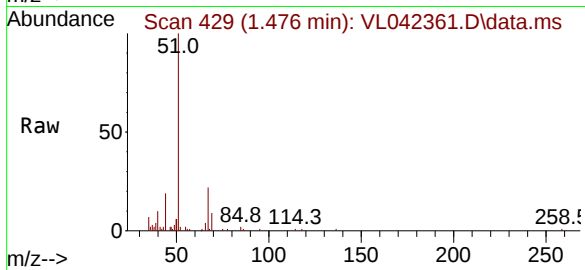




#3
Chlorodifluoromethane
Concen: 0.536 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

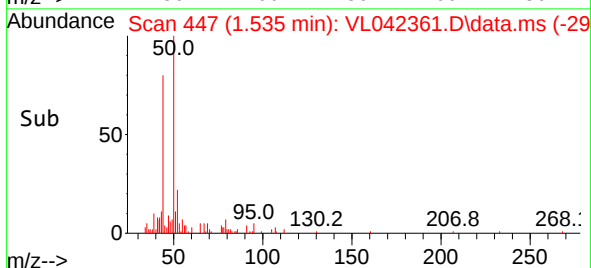
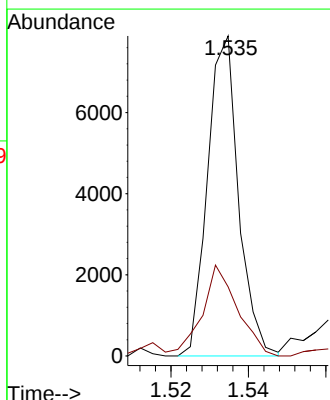
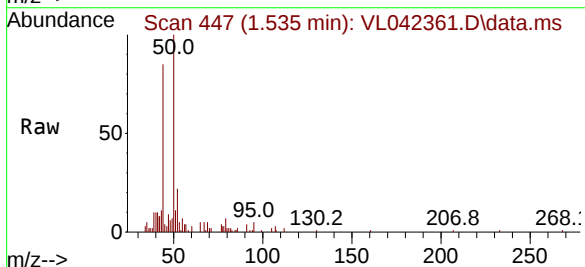
Instrument :
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ClientSampleId :
IA-B1-4-3252025

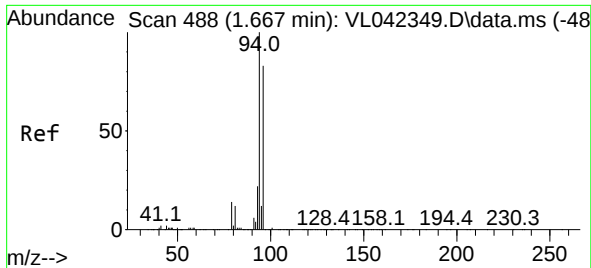
Tgt Ion: 51 Resp: 10711
Ion Ratio Lower Upper
51 100
67 14.8 16.2 24.4#



#4
Chloromethane
Concen: 0.529 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 50 Resp: 4388
Ion Ratio Lower Upper
50 100
52 21.8 24.7 37.1#

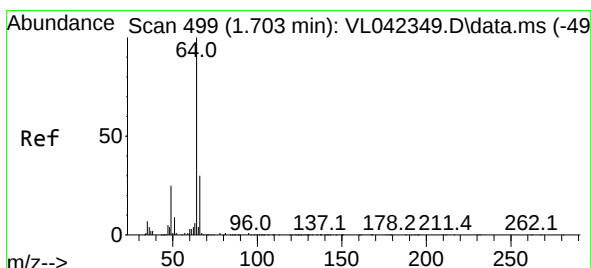
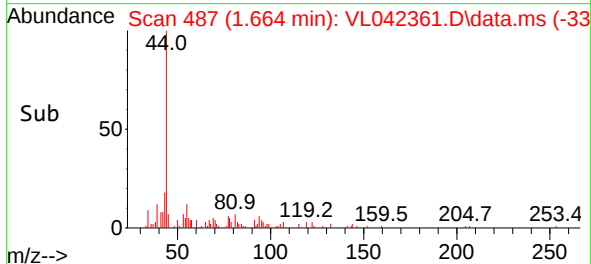
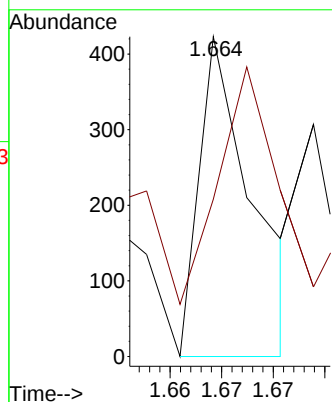
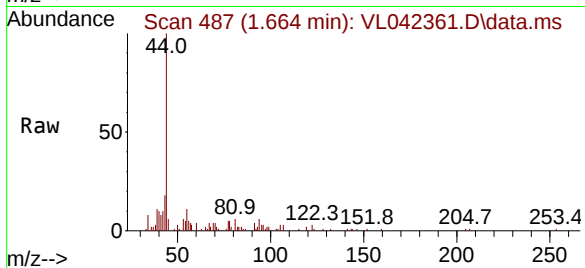




#6
Bromomethane
Concen: 0.039 ppbv
RT: 1.664 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

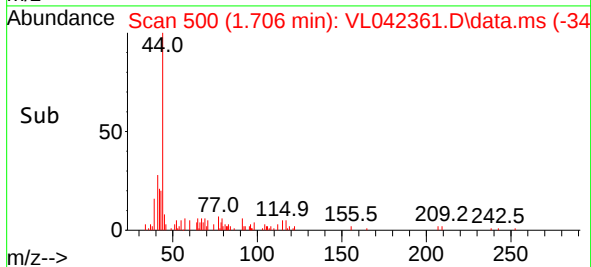
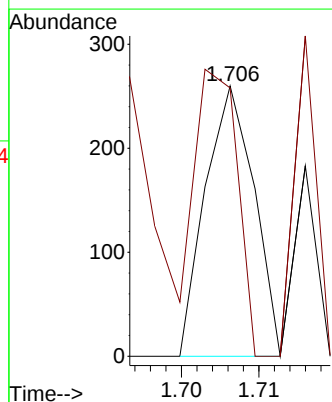
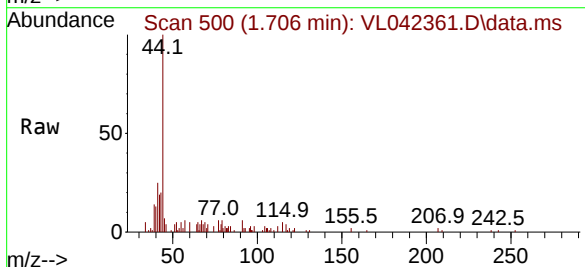
Instrument :
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ClientSampleId :
IA-B1-4-3252025

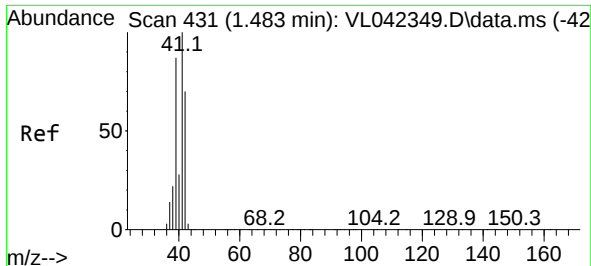
Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 32.9 66.2 99.2#



#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 42.4 24.6 37.0#





#9

Propene

Concen: 0.617 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

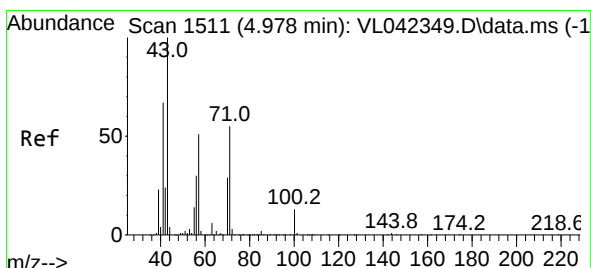
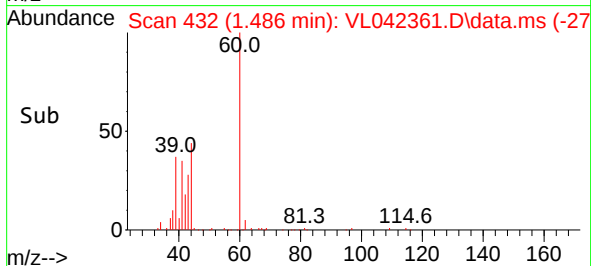
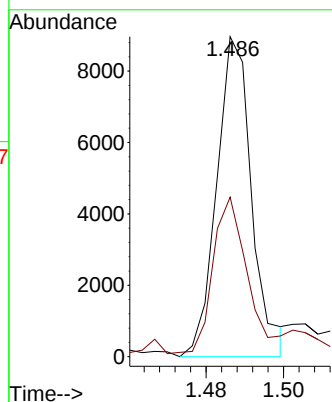
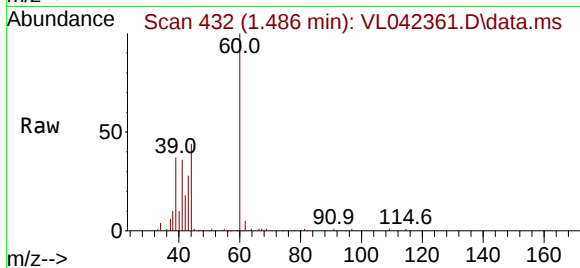
IA-B1-4-3252025

Tgt Ion: 41 Resp: 5612

Ion Ratio Lower Upper

41 100

42 60.0 56.2 84.4



#10

Heptane

Concen: 1.925 ppbv

RT: 4.982 min Scan# 1512

Delta R.T. 0.004 min

Lab File: VL042361.D

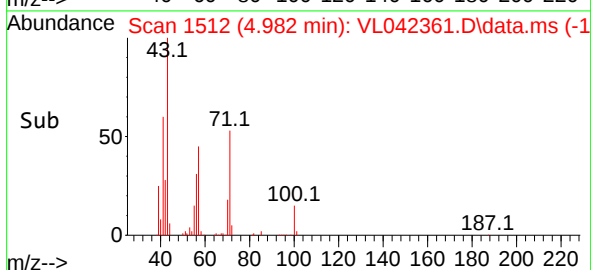
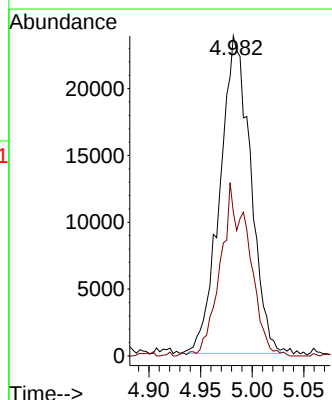
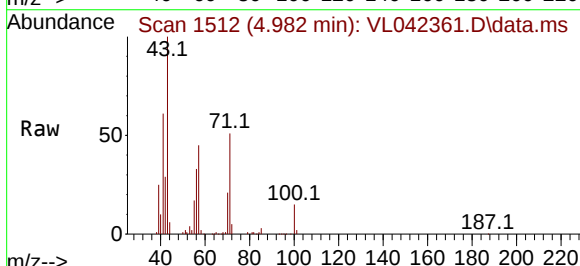
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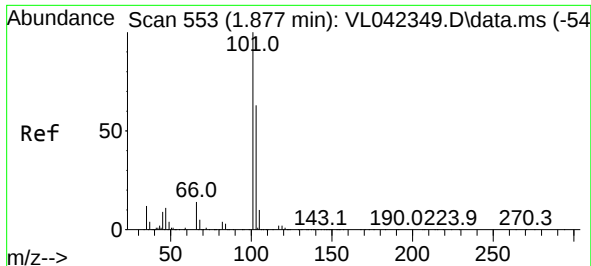
Tgt Ion: 43 Resp: 49177

Ion Ratio Lower Upper

43 100

57 51.2 39.9 59.9

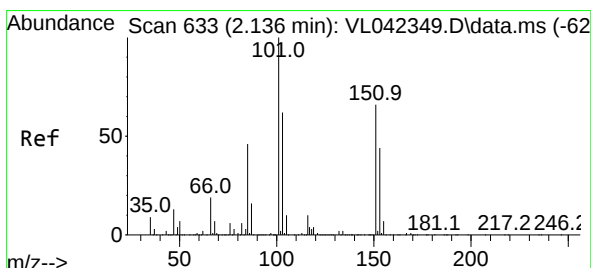
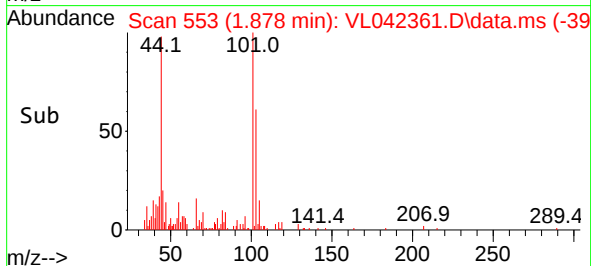
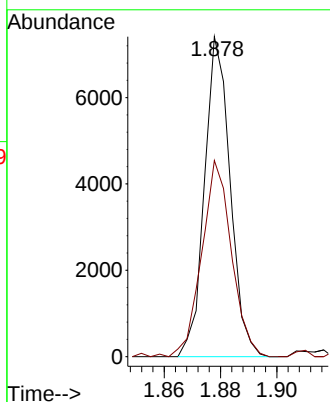
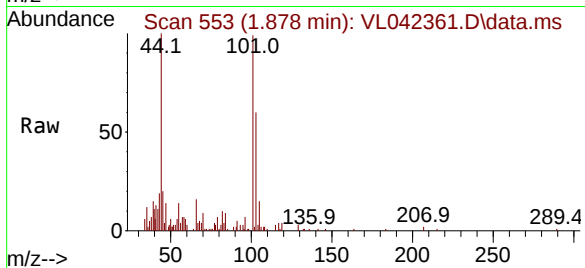




#11
 Trichlorofluoromethane
 Concen: 0.235 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042361.D
 Acq: 17 Apr 2025 17:17

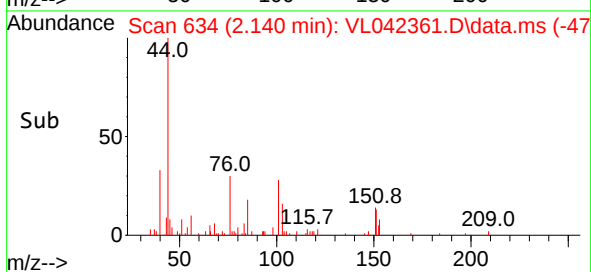
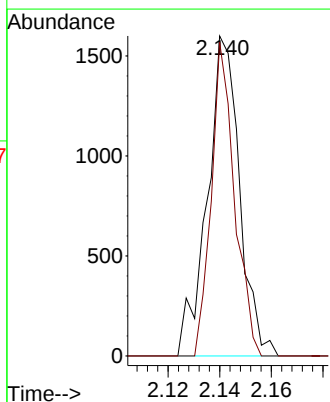
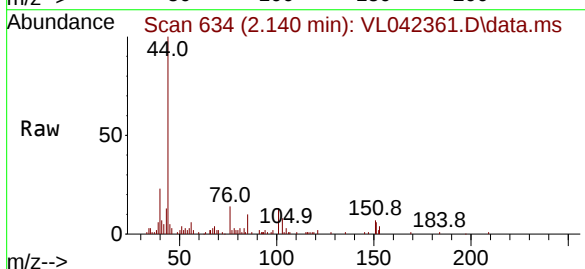
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 IA-B1-4-3252025

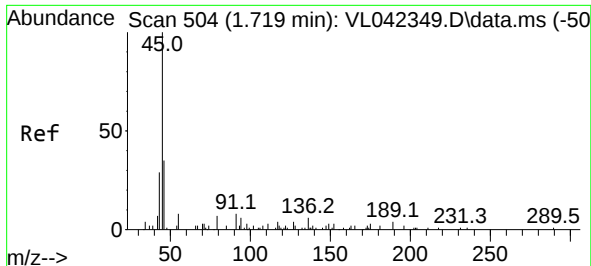
Tgt Ion:101 Resp: 4685
 Ion Ratio Lower Upper
 101 100
 103 61.3 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.085 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.004 min
 Lab File: VL042361.D
 Acq: 17 Apr 2025 17:17

Tgt Ion:101 Resp: 1388
 Ion Ratio Lower Upper
 101 100
 151 70.6 57.0 85.6

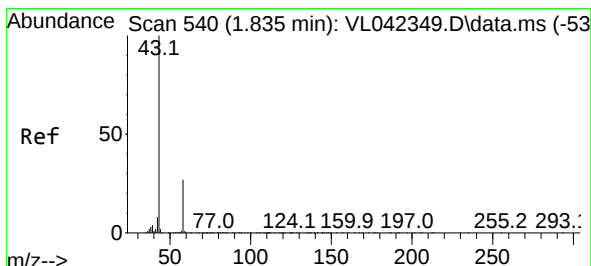
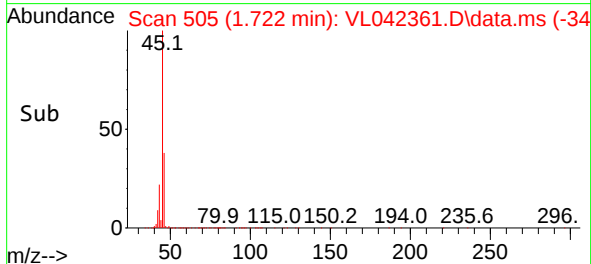
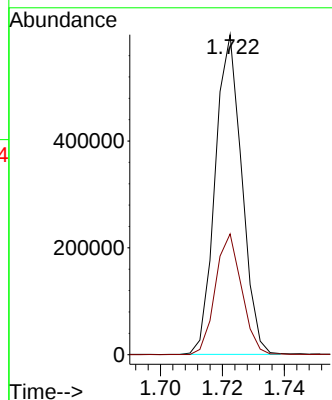
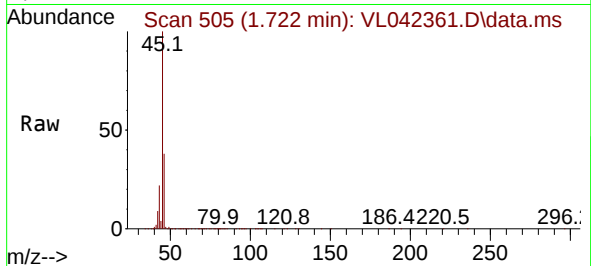




#13
Ethanol
Concen: 247.060 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

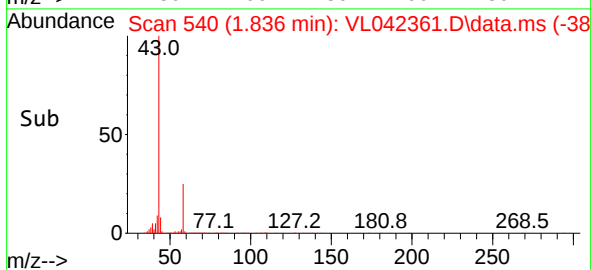
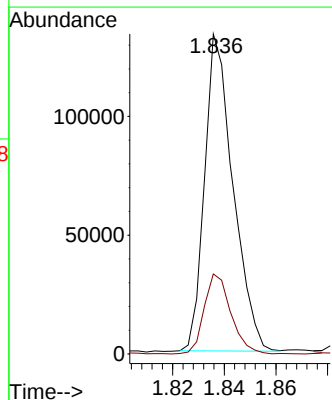
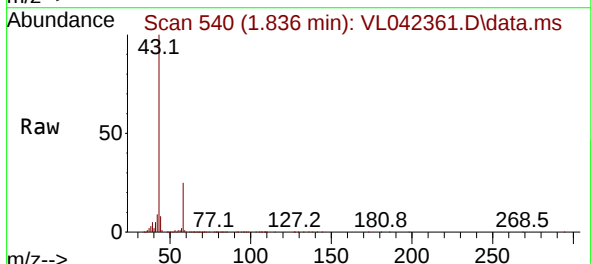
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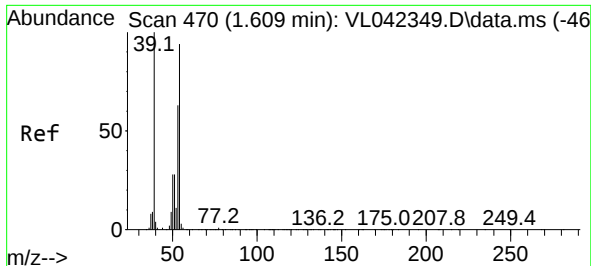
Tgt Ion: 45 Resp: 357077
Ion Ratio Lower Upper
45 100
46 37.6 21.9 87.7



#15
Acetone
Concen: 5.264 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 43 Resp: 102271
Ion Ratio Lower Upper
43 100
58 23.6 22.4 33.6





#16

1,3-Butadiene

Concen: 0.551 ppbv

RT: 1.603 min Scan# 4

Delta R.T. -0.006 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

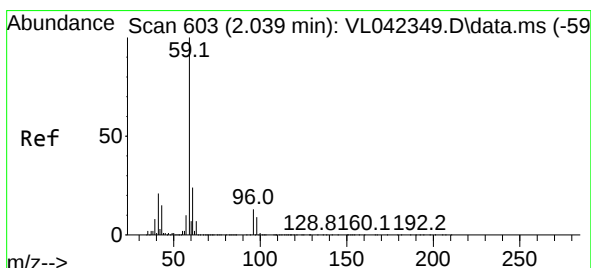
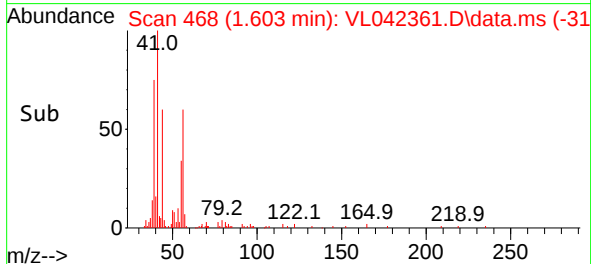
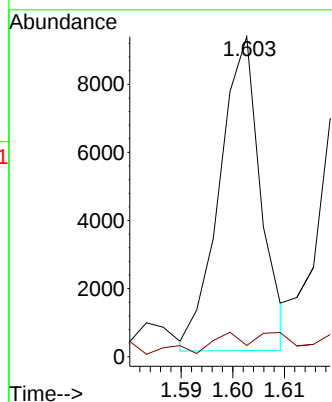
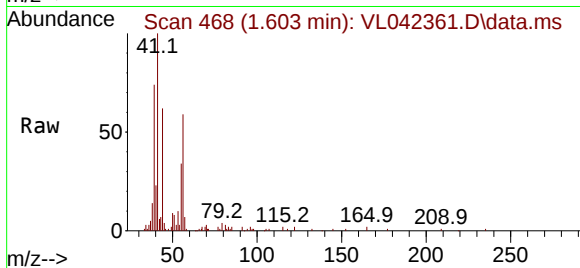
IA-B1-4-3252025

Tgt Ion: 39 Resp: 5117

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#



#17

tert-Butyl alcohol

Concen: 0.130 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.007 min

Lab File: VL042361.D

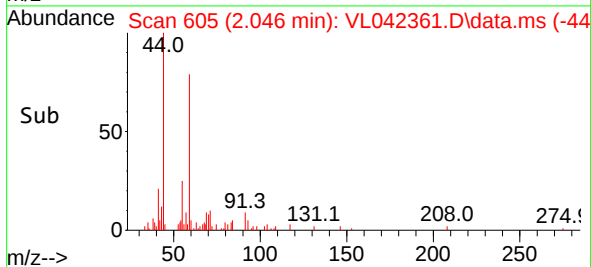
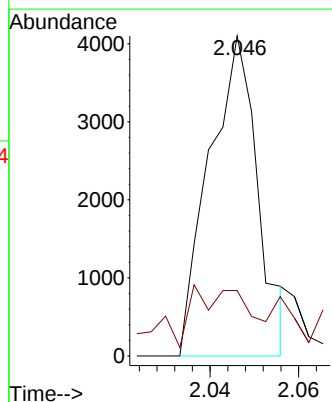
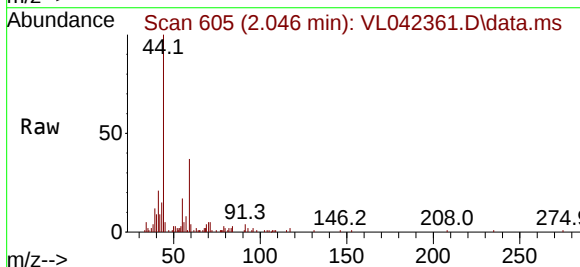
Acq: 17 Apr 2025 17:17

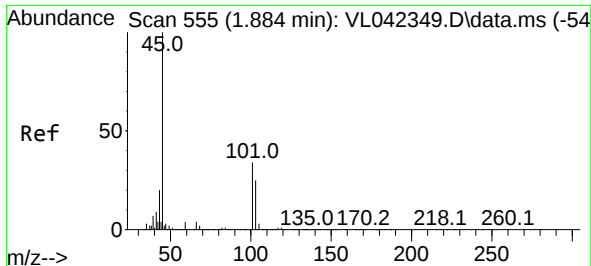
Tgt Ion: 59 Resp: 3120

Ion Ratio Lower Upper

59 100

57 35.8 8.7 13.1#

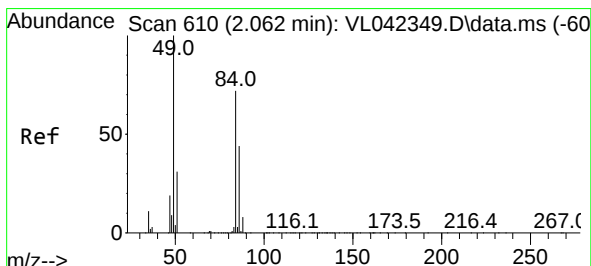
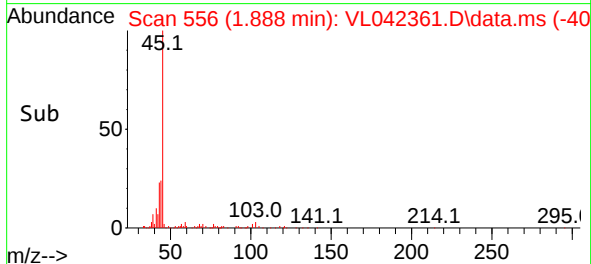
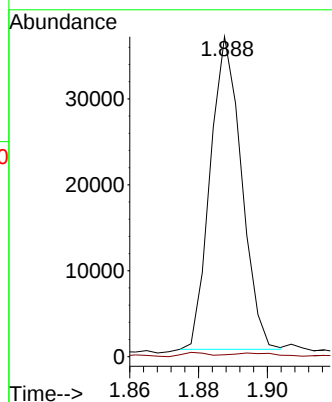
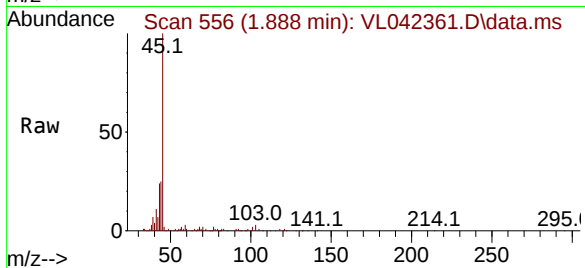




#19
Isopropyl Alcohol
Concen: 2.133 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

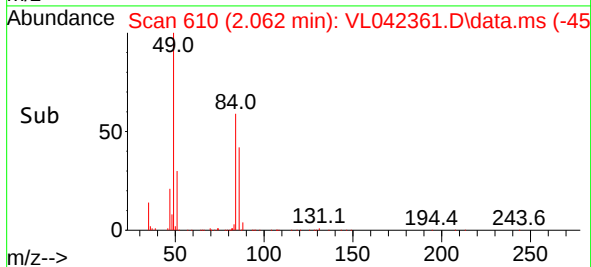
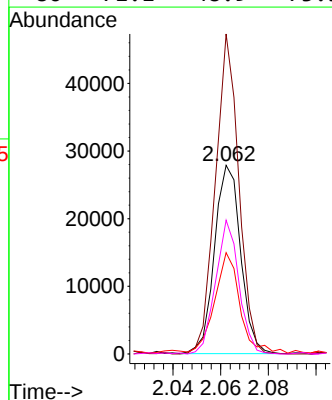
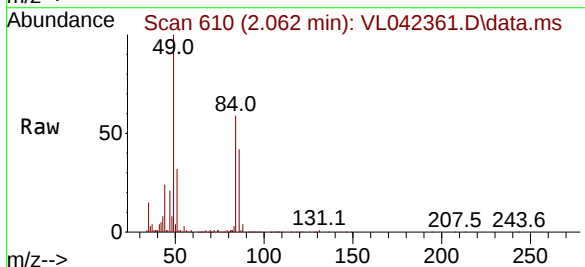
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025

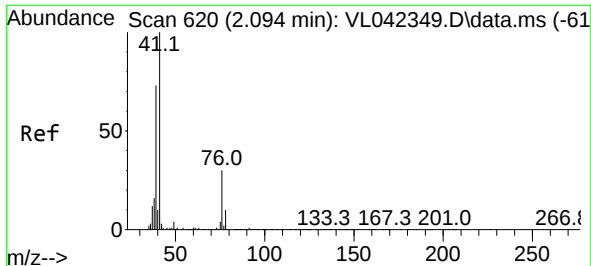
Tgt Ion: 45 Resp: 23025
Ion Ratio Lower Upper
45 100
58 105.0 34.5 51.7#



#20
Methylene Chloride
Concen: 2.782 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 84 Resp: 21165
Ion Ratio Lower Upper
84 100
49 170.0 111.6 167.4#
51 52.3 35.1 52.7
86 71.1 48.9 73.3

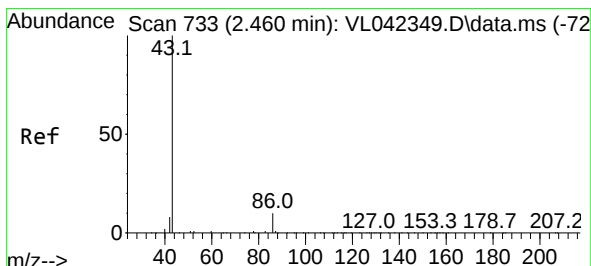
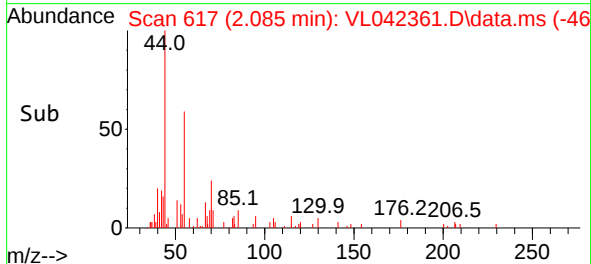
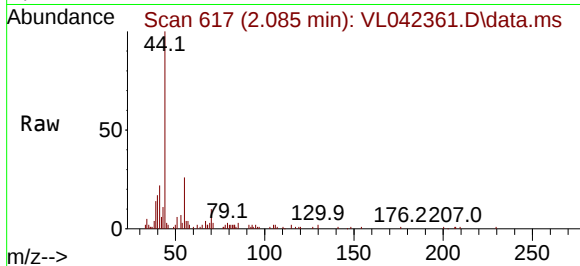




#21
 Allyl Chloride
 Concen: 0.032 ppbv
 RT: 2.085 min Scan# 617
 Delta R.T. -0.009 min
 Lab File: VL042361.D
 Acq: 17 Apr 2025 17:17

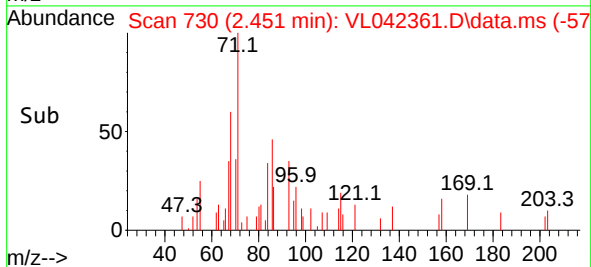
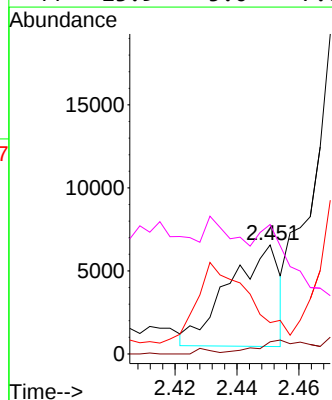
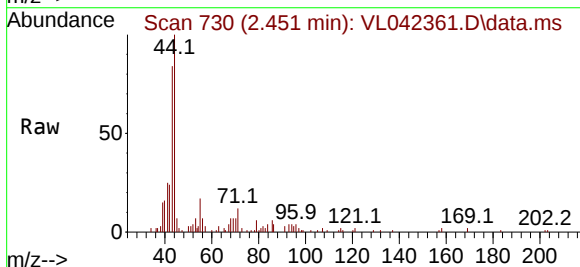
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025

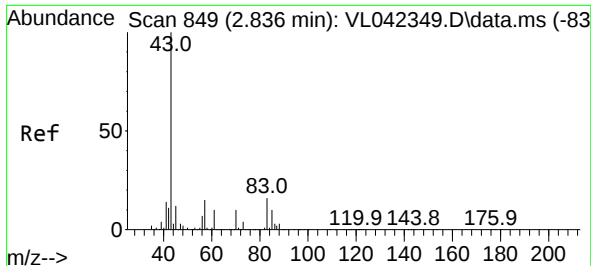
Tgt Ion: 41 Resp: 432
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.8 37.2#
 39 353.5 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 0.883 ppbv
 RT: 2.451 min Scan# 730
 Delta R.T. -0.009 min
 Lab File: VL042361.D
 Acq: 17 Apr 2025 17:17

Tgt Ion: 43 Resp: 6946
 Ion Ratio Lower Upper
 43 100
 86 13.7 6.5 9.7#
 42 13.2 7.8 11.8#
 44 23.9 5.0 7.6#

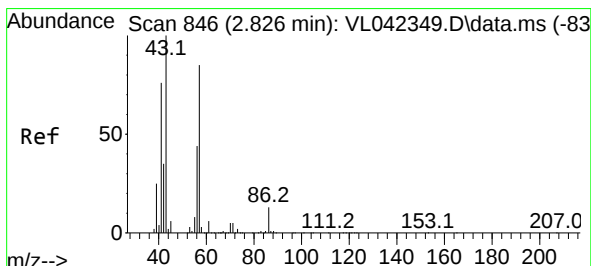
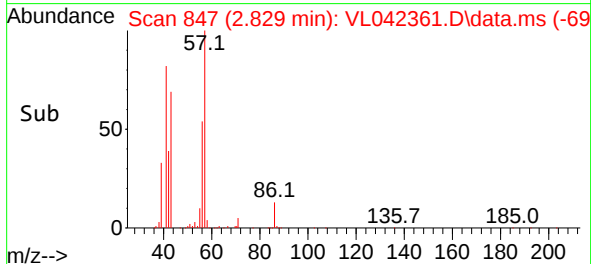
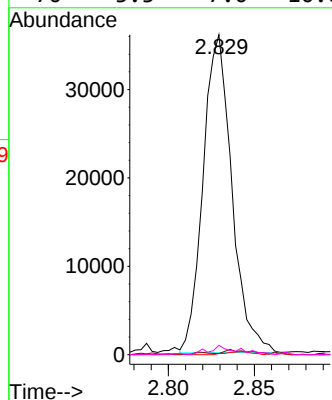
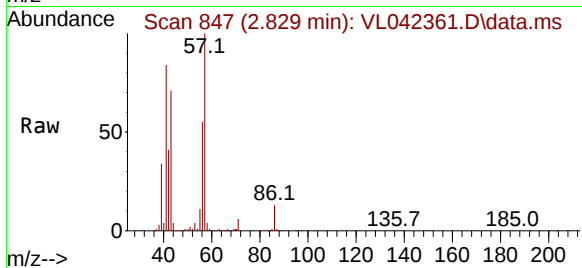




#25
Ethyl Acetate
Concen: 0.871 ppbv
RT: 2.829 min Scan# 849
Delta R.T. -0.006 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

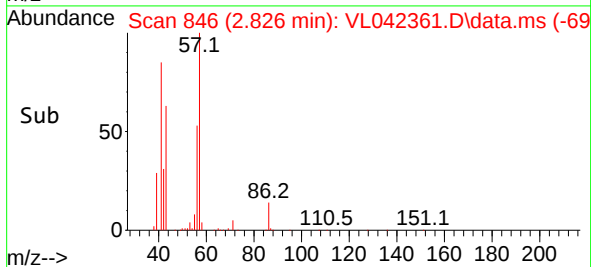
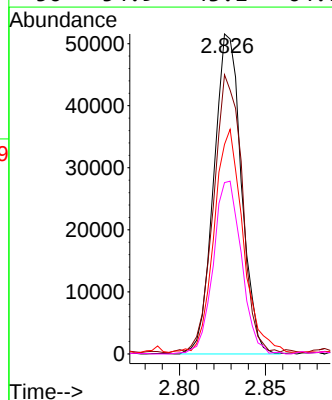
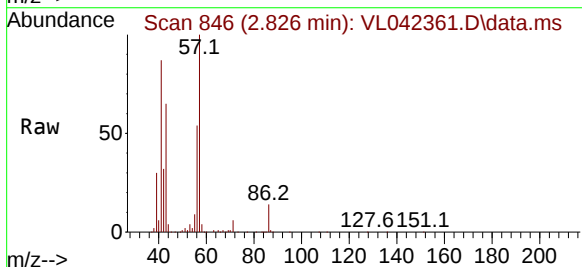
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

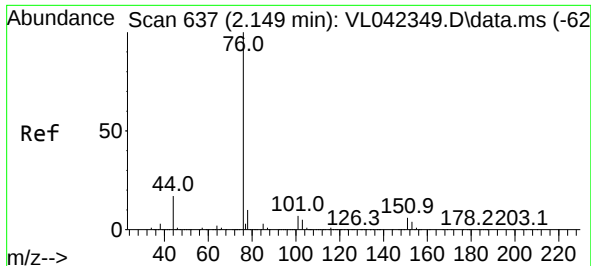
Tgt Ion:	43	Resp:	41711
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.3	12.5#
61	1.2	7.3	10.9#
70	3.3	7.0	10.6#



#26
Hexane
Concen: 2.977 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion:	57	Resp:	57707
Ion	Ratio	Lower	Upper
57	100		
41	91.6	77.9	116.9
43	72.6	208.4	312.6#
56	54.9	43.1	64.7

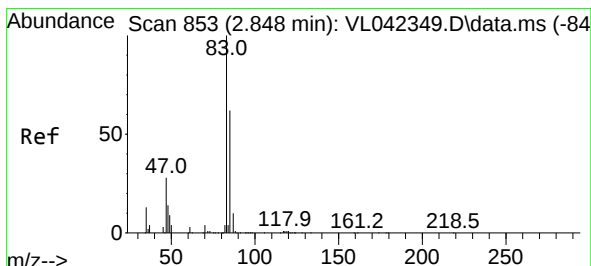
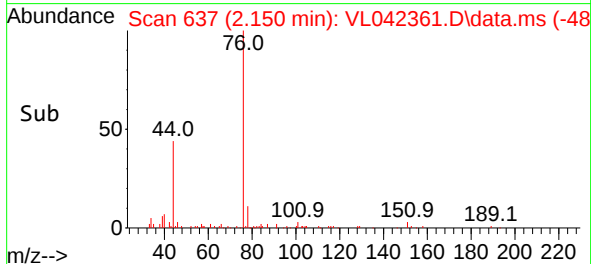
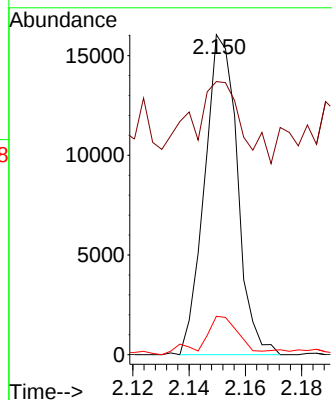
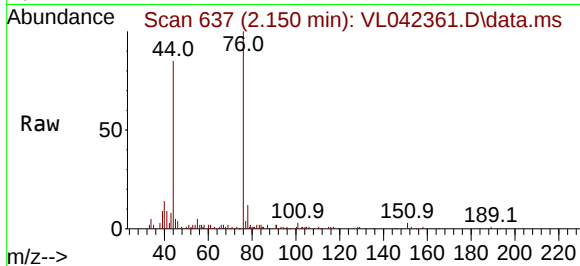




#27
Carbon Disulfide
Concen: 0.626 ppbv
RT: 2.150 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

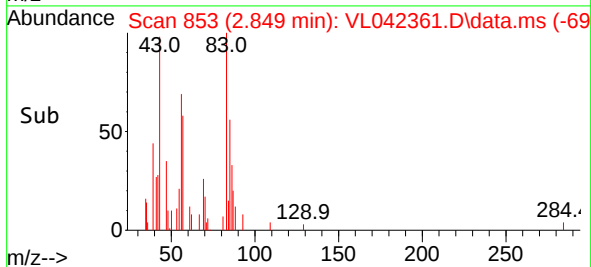
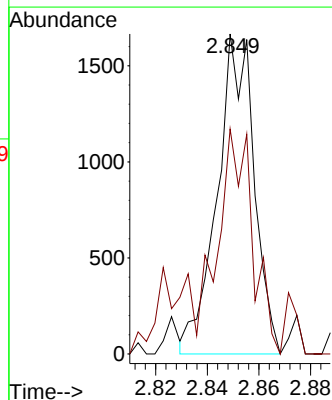
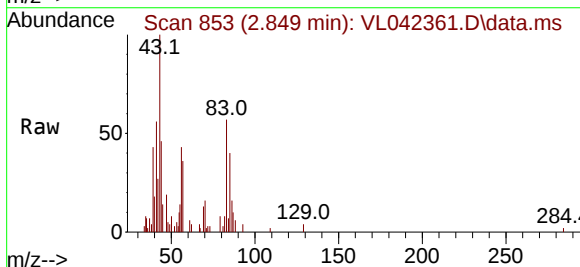
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

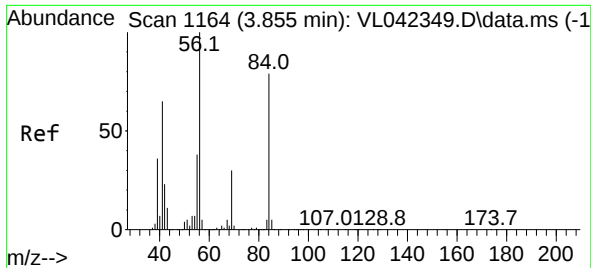
Tgt Ion: 76 Resp: 12989
Ion Ratio Lower Upper
76 100
44 112.3 15.5 23.3#
78 16.4 9.3 13.9#



#29
Chloroform
Concen: 0.060 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 83 Resp: 1642
Ion Ratio Lower Upper
83 100
85 70.3 50.0 75.0

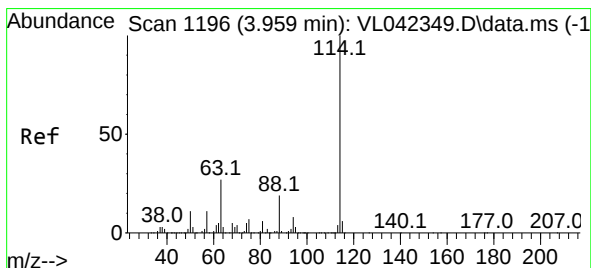
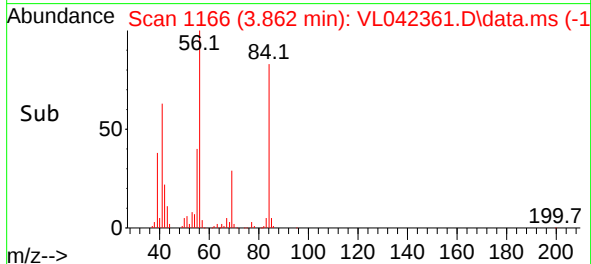
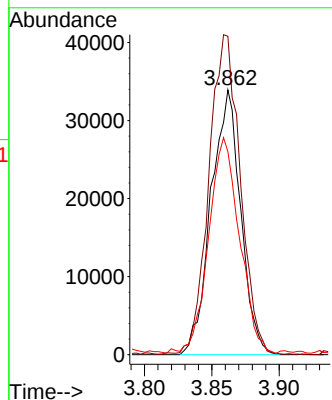
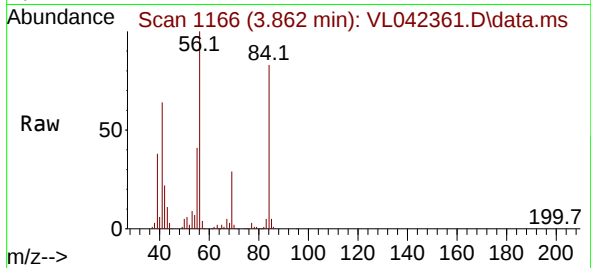




#30
Cyclohexane
Concen: 3.319 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.007 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

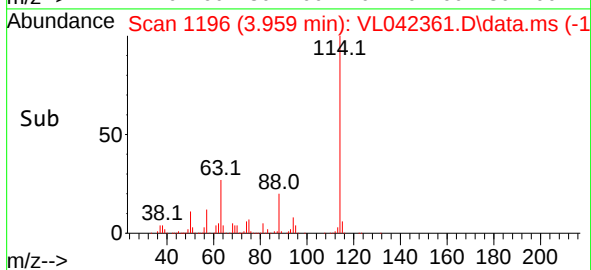
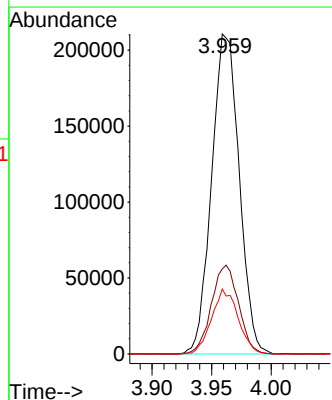
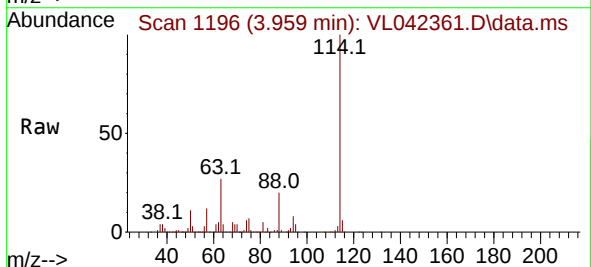
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

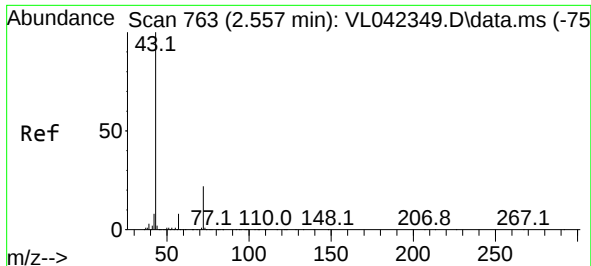
Tgt Ion: 84 Resp: 52016
Ion Ratio Lower Upper
84 100
56 127.7 101.0 151.4
41 84.4 67.4 101.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 114 Resp: 339191
Ion Ratio Lower Upper
114 100
63 27.2 21.8 32.6
88 19.5 15.5 23.3

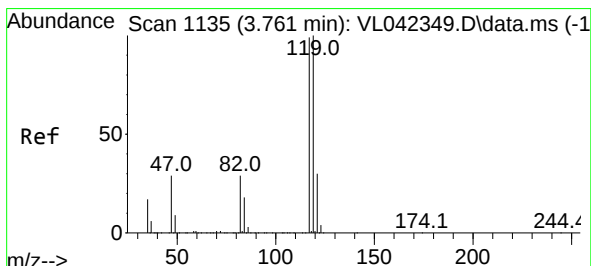
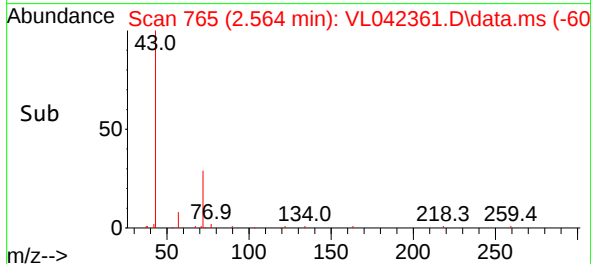
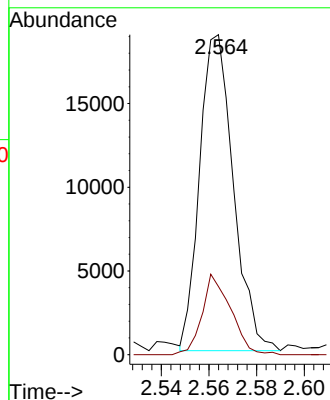
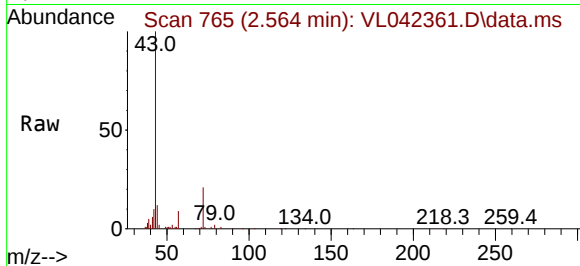




#34
2-Butanone
Concen: 0.693 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

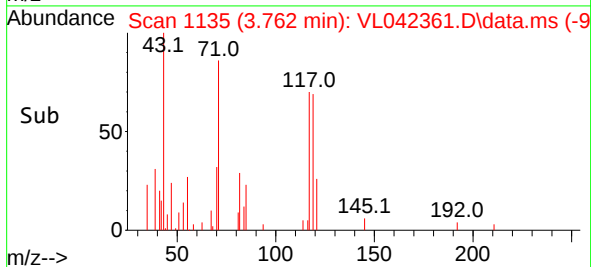
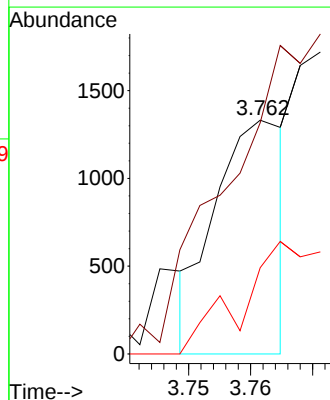
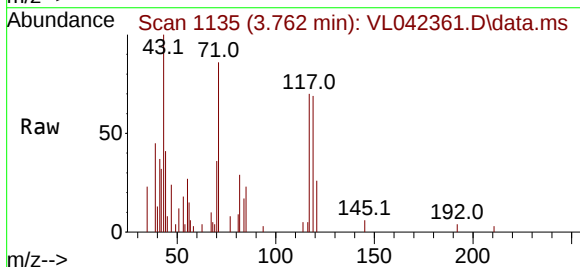
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

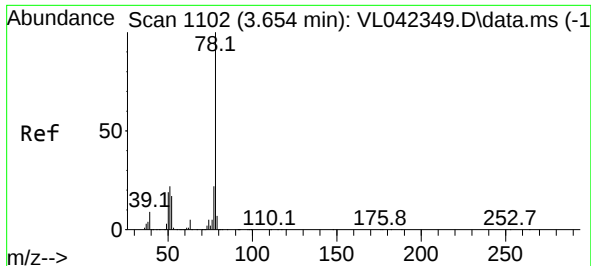
Tgt Ion: 43 Resp: 18598
Ion Ratio Lower Upper
43 100
72 21.7 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 3.762 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 117 Resp: 1037
Ion Ratio Lower Upper
117 100
119 84.2 80.5 120.7
121 57.1 24.2 36.2#





#36

Benzene

Concen: 0.561 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.004 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-4-3252025

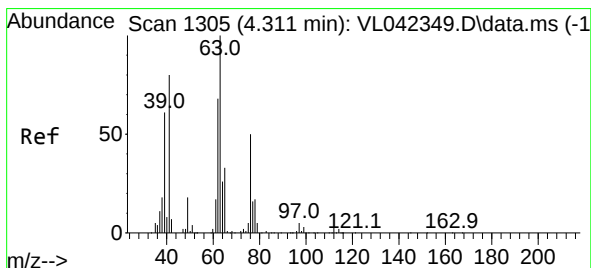
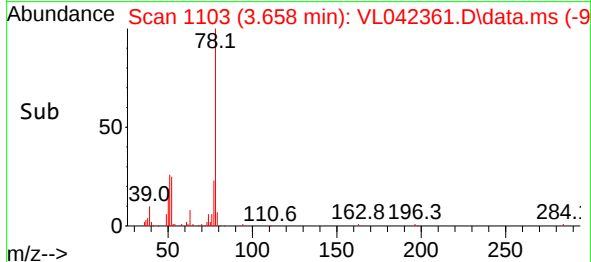
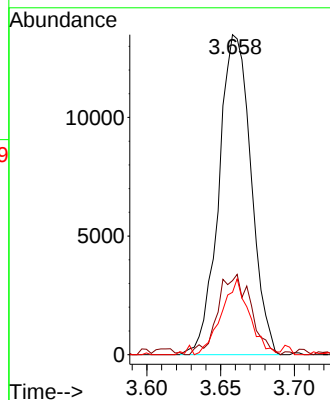
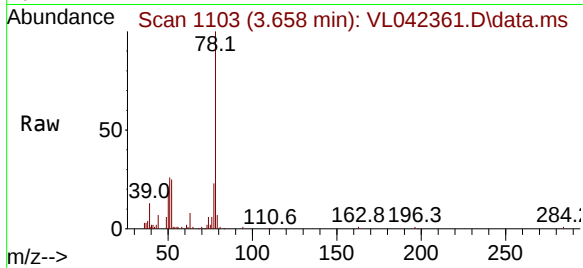
Tgt Ion: 78 Resp: 20521

Ion Ratio Lower Upper

78 100

77 23.1 17.4 26.0

50 18.7 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.775 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.349 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

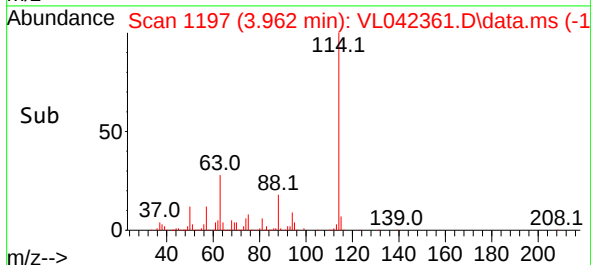
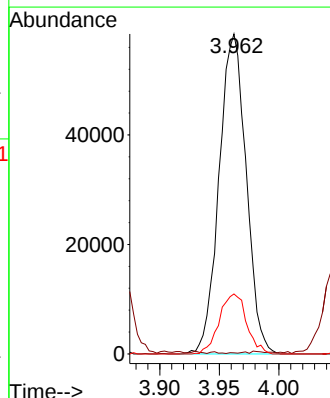
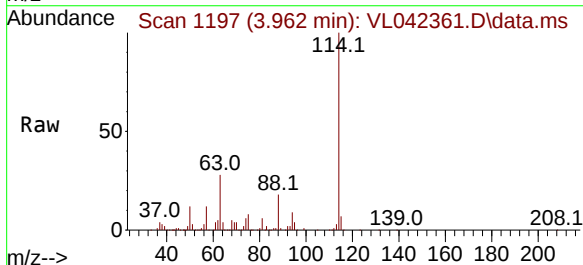
Tgt Ion: 63 Resp: 92371

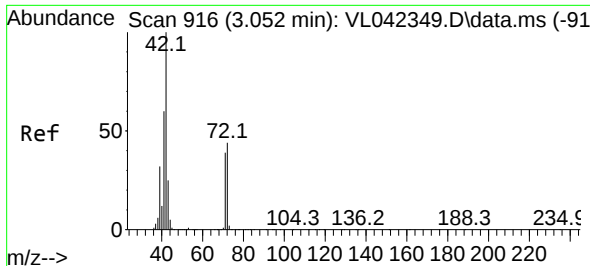
Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 18.7 54.3 81.5#

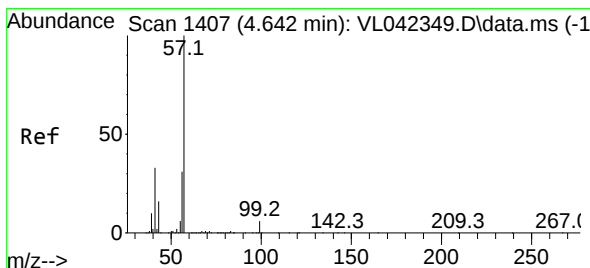
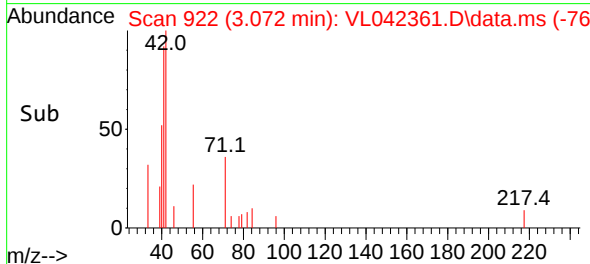
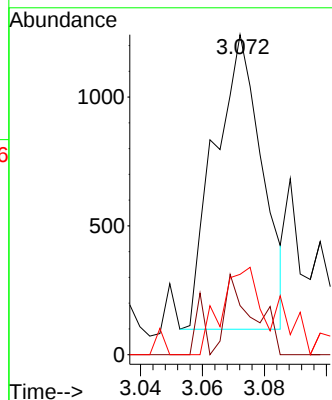
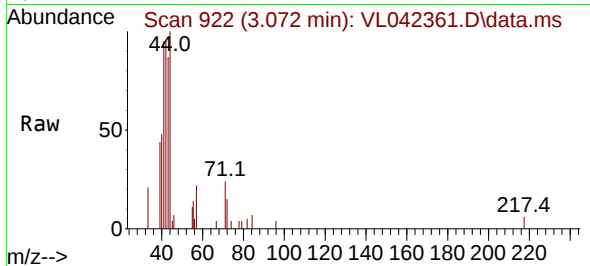




#41
Tetrahydrofuran
Concen: 0.078 ppbv
RT: 3.072 min Scan# 916
Delta R.T. 0.020 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

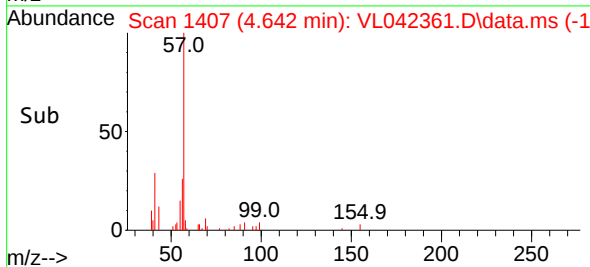
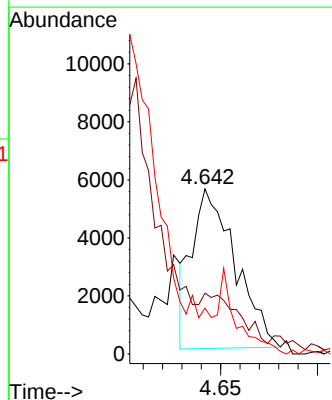
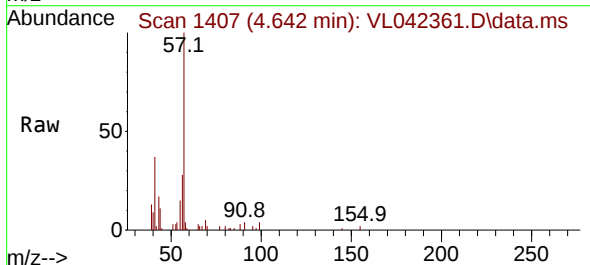
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

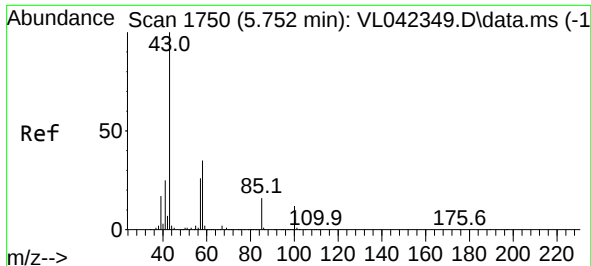
Tgt Ion: 42 Resp: 1220
Ion Ratio Lower Upper
42 100
72 19.9 32.3 48.5#
71 35.8 31.4 47.2



#44
2,2,4-Trimethylpentane
Concen: 0.136 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 57 Resp: 8612
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 0.0 25.7 38.5#





#50

4-Methyl-2-Pentanone

Concen: 19.593 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.004 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

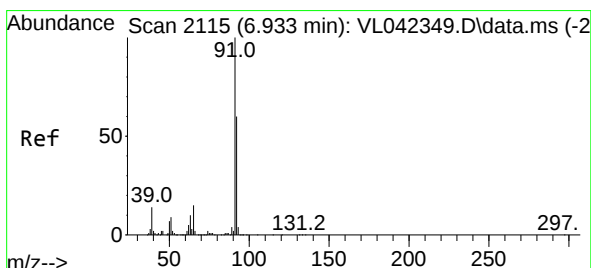
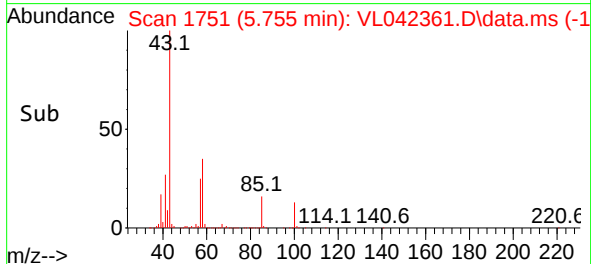
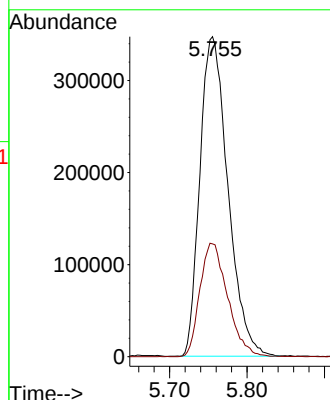
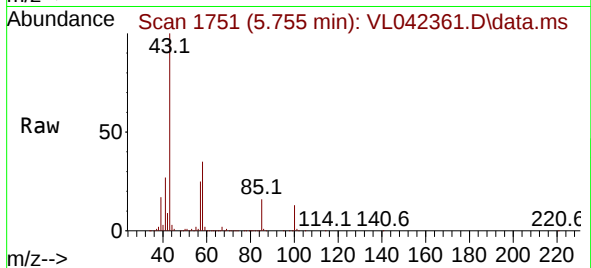
LA-B1-4-3252025

Tgt Ion: 43 Resp: 873418

Ion Ratio Lower Upper

43 100

58 35.2 28.6 43.0



#53

Toluene

Concen: 1.565 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. 0.000 min

Lab File: VL042361.D

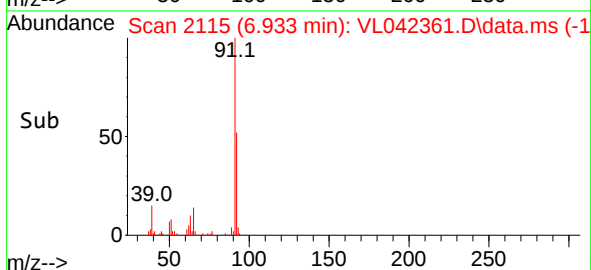
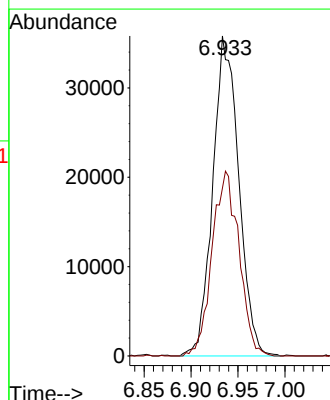
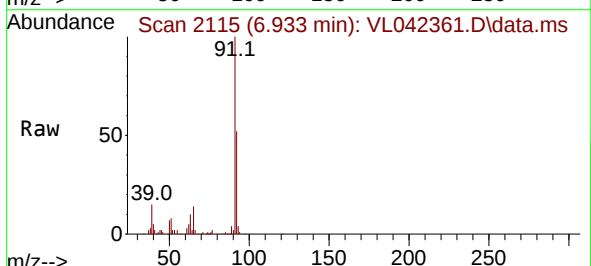
Acq: 17 Apr 2025 17:17

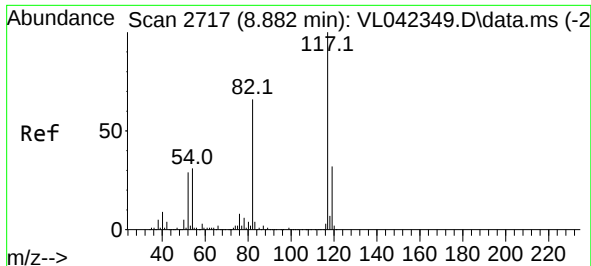
Tgt Ion: 91 Resp: 68700

Ion Ratio Lower Upper

91 100

92 59.9 48.2 72.4

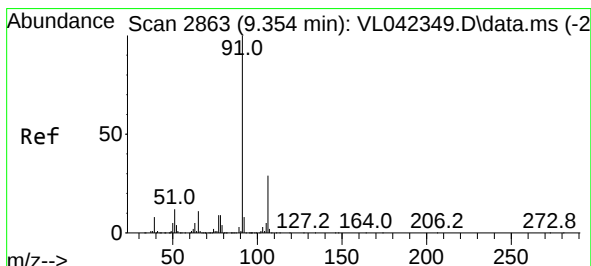
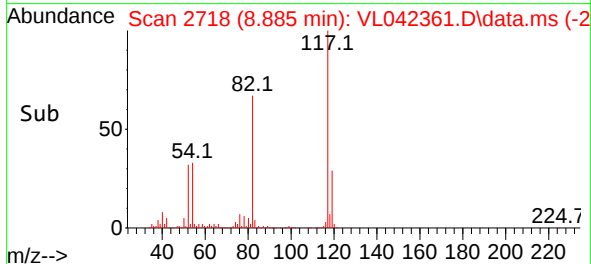
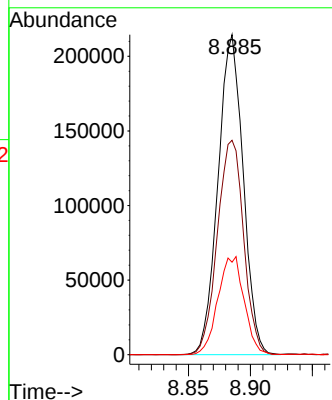
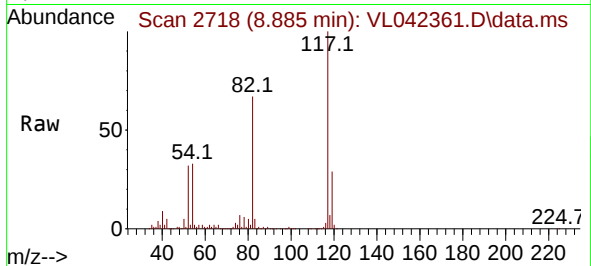




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 211
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

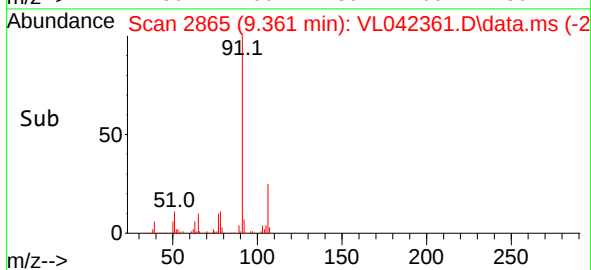
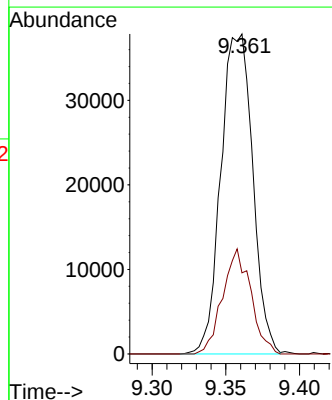
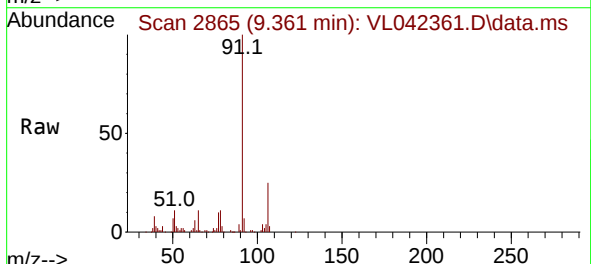
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

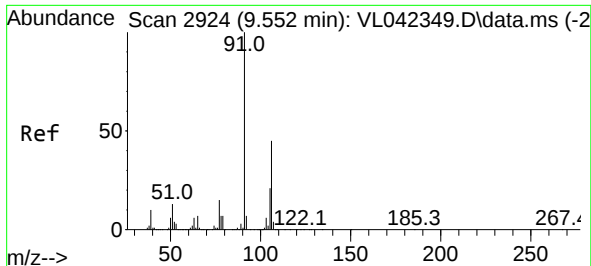
Tgt Ion:117 Resp: 303501
Ion Ratio Lower Upper
117 100
82 70.1 57.8 86.6
119 32.1 25.2 37.8



#58
Ethyl Benzene
Concen: 0.944 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 91 Resp: 56772
Ion Ratio Lower Upper
91 100
106 25.4 23.0 34.4





#59

m/p-Xylene

Concen: 9.382 ppbv

RT: 9.536 min Scan# 2919

Delta R.T. -0.016 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

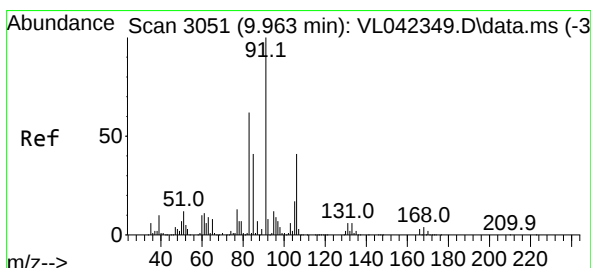
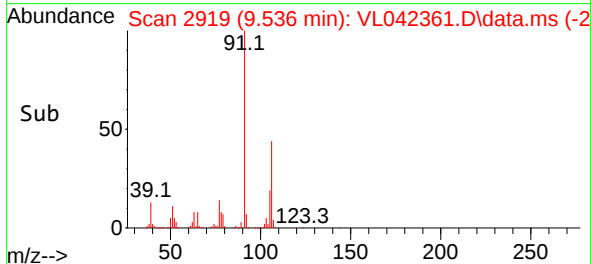
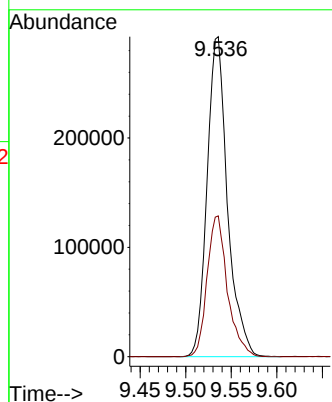
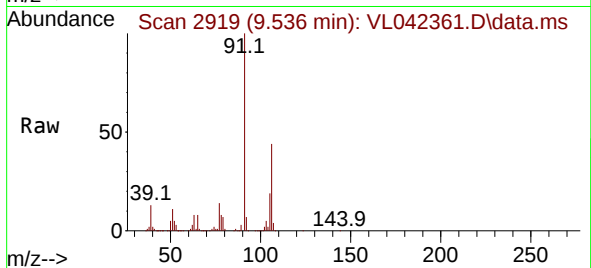
LA-B1-4-3252025

Tgt Ion: 91 Resp: 454491

Ion Ratio Lower Upper

91 100

106 44.0 35.4 53.2



#60

o-Xylene

Concen: 1.966 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042361.D

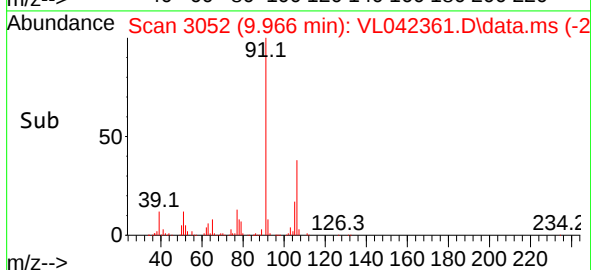
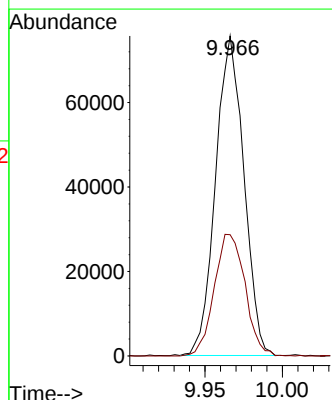
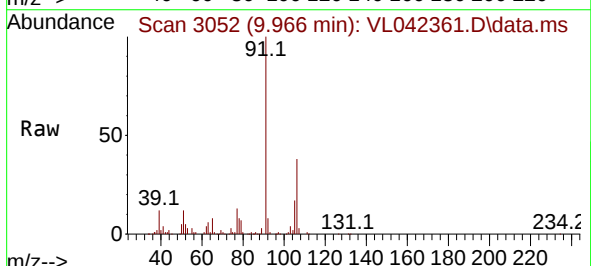
Acq: 17 Apr 2025 17:17

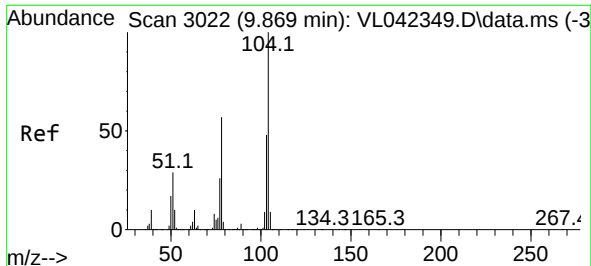
Tgt Ion: 91 Resp: 95896

Ion Ratio Lower Upper

91 100

106 41.6 21.1 63.4

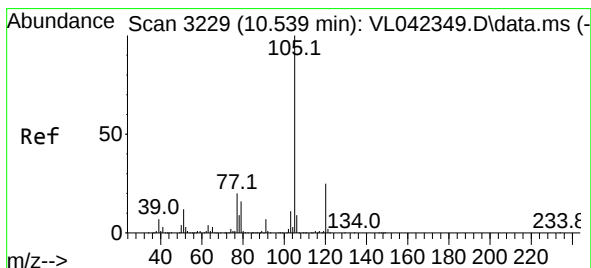
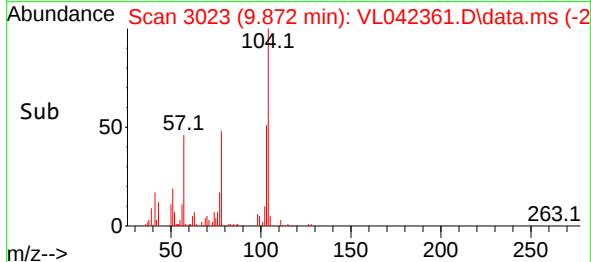
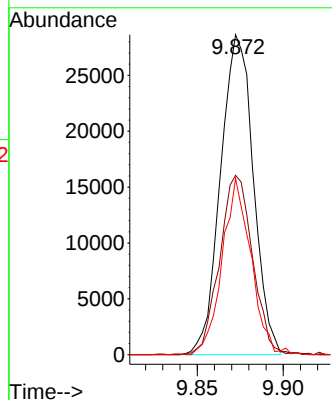
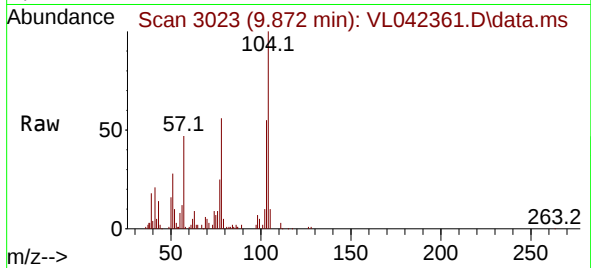




#61
Styrene
Concen: 1.629 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

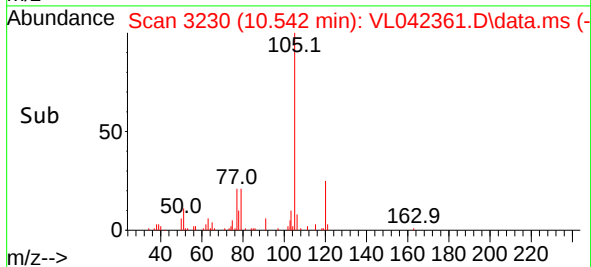
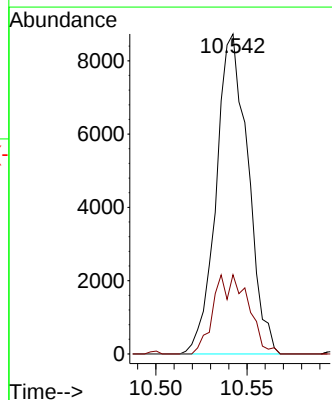
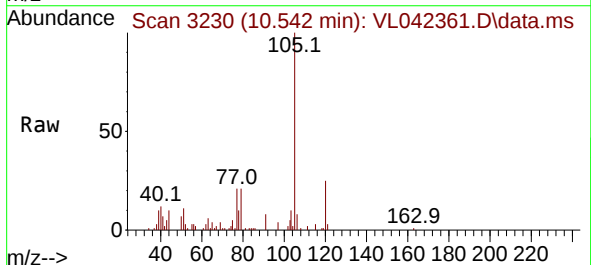
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

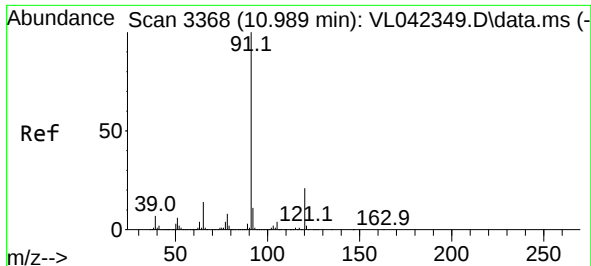
Tgt Ion:104 Resp: 37931
Ion Ratio Lower Upper
104 100
78 56.6 44.6 66.8
103 48.5 37.4 56.0



#62
Isopropylbenzene
Concen: 0.148 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion:105 Resp: 10580
Ion Ratio Lower Upper
105 100
120 27.2 19.8 29.8

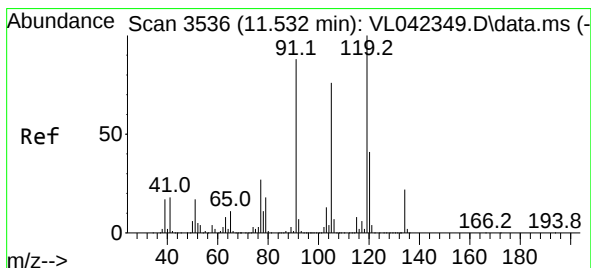
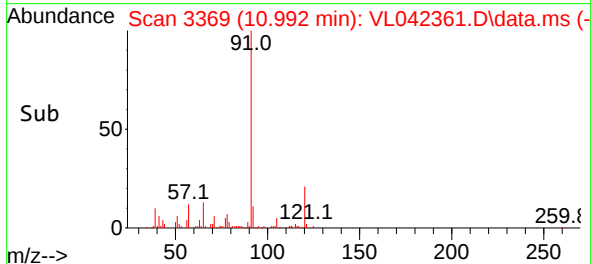
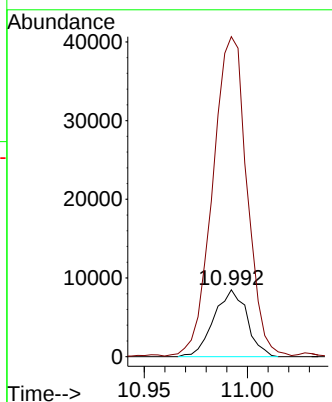
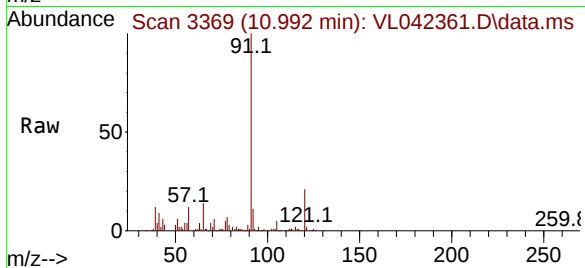




#64
n-propylbenzene
Concen: 0.527 ppbv
RT: 10.992 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

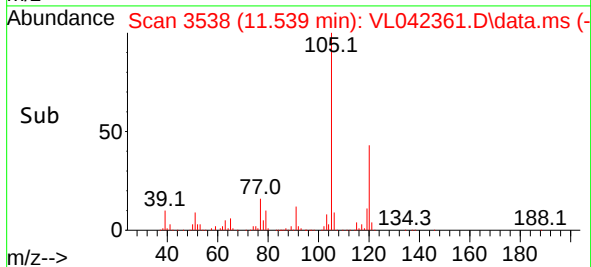
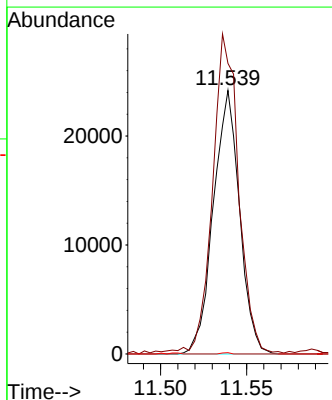
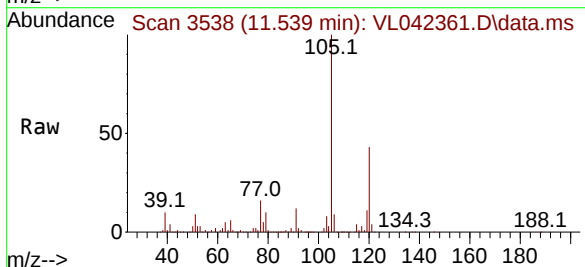
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

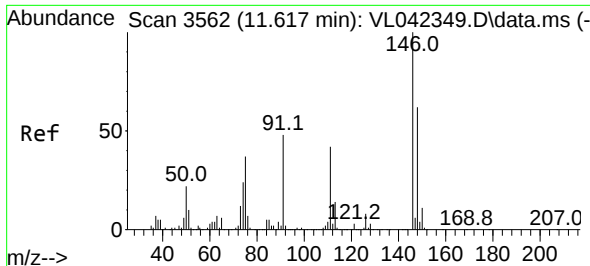
Tgt Ion:120 Resp: 9483
Ion Ratio Lower Upper
120 100
91 500.9 392.4 588.6



#65
tert-Butylbenzene
Concen: 0.389 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.007 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion:119 Resp: 25601
Ion Ratio Lower Upper
119 100
91 120.1 74.6 111.8#
134 0.0 18.8 28.2#

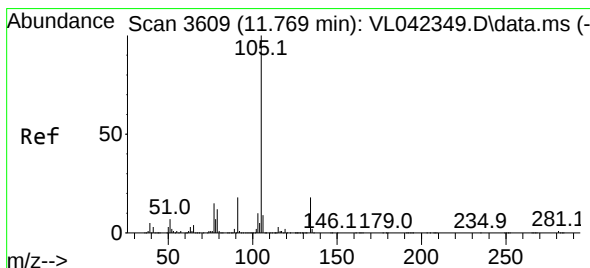
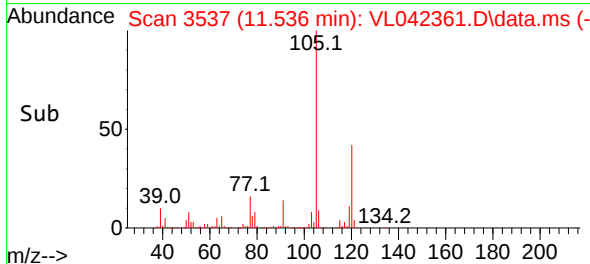
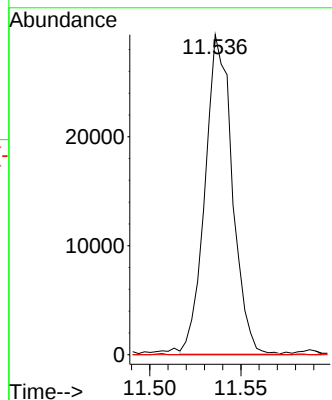
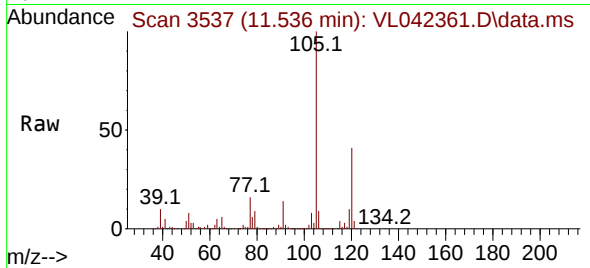




#66
Benzyl Chloride
Concen: 4.204 ppbv
RT: 11.536 min Scan# 31
Delta R.T. -0.081 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

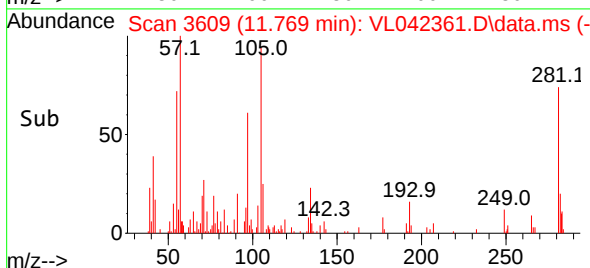
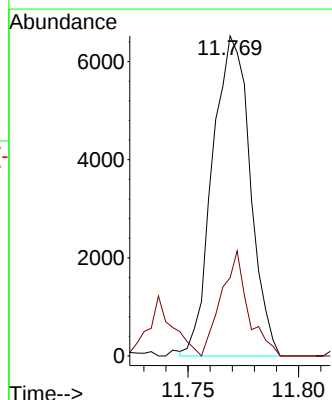
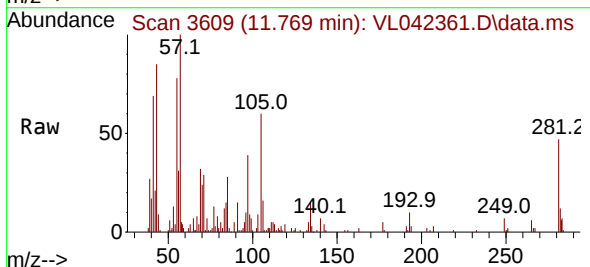
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

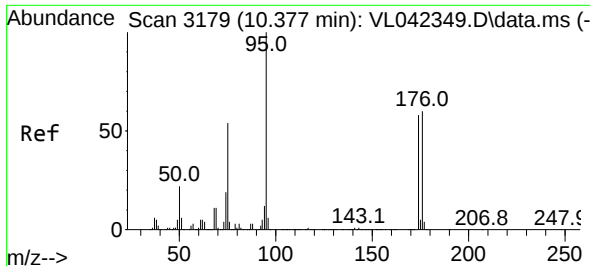
Tgt Ion: 91 Resp: 30407
Ion Ratio Lower Upper
91 100
126 0.2 11.8 17.6#
128 0.0 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.084 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 105 Resp: 7719
Ion Ratio Lower Upper
105 100
134 35.6 14.6 21.8#

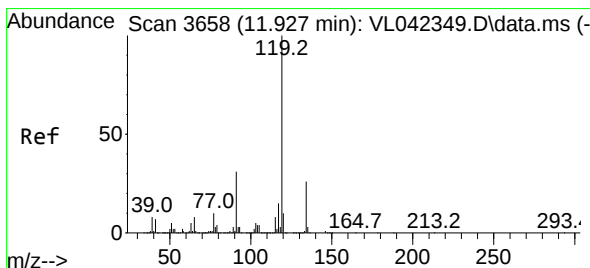
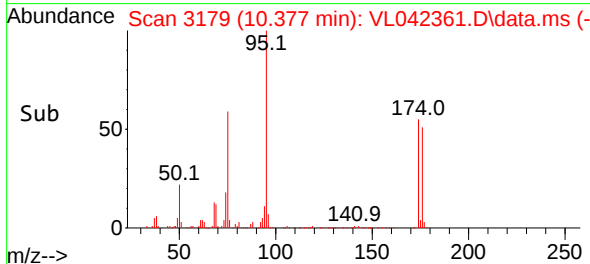
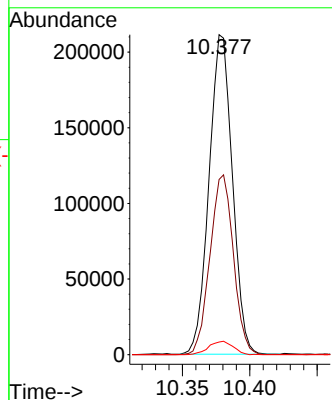
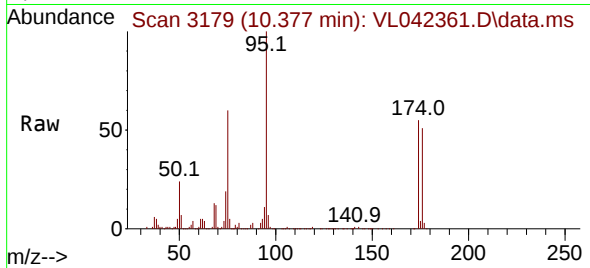




#68
1-Bromo-4-Fluorobenzene
Concen: 10.201 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

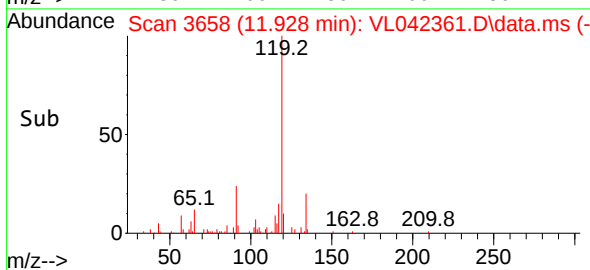
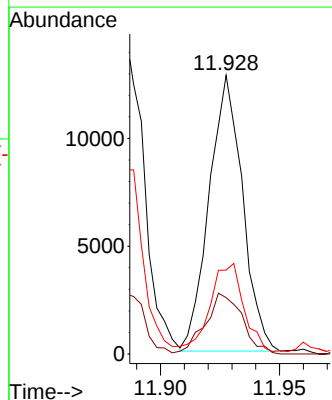
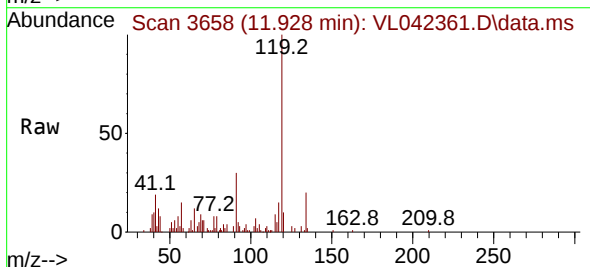
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025

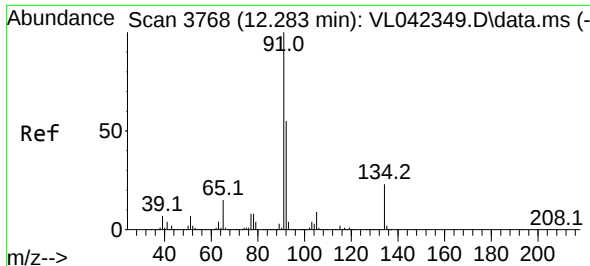
Tgt Ion: 95 Resp: 254412
Ion Ratio Lower Upper
95 100
174 56.7 48.5 72.7
175 4.4 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.157 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 119 Resp: 12502
Ion Ratio Lower Upper
119 100
134 24.0 20.0 30.0
91 30.2 24.4 36.6

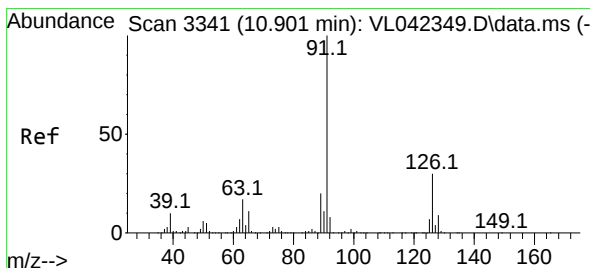
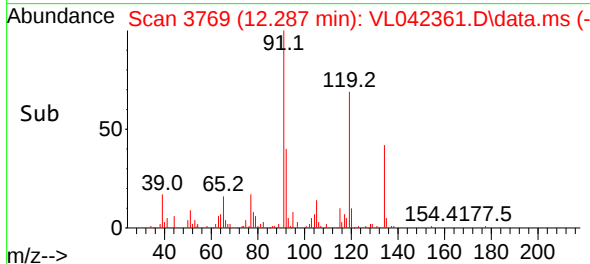
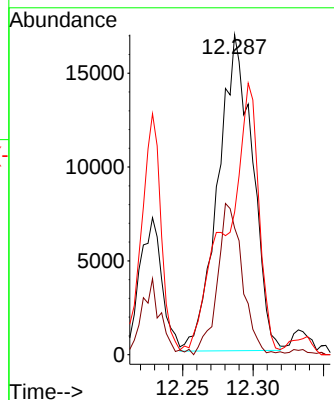
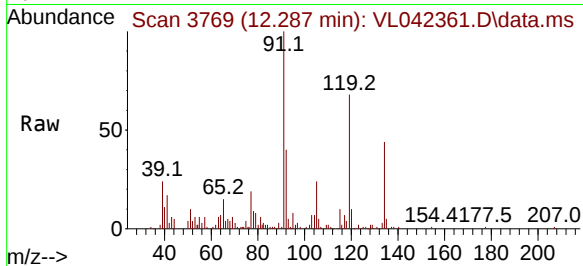




#70
n-Butylbenzene
Concen: 0.345 ppbv
RT: 12.287 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

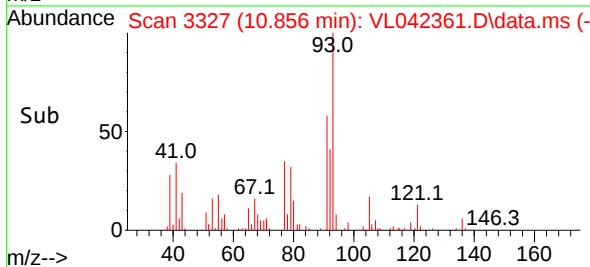
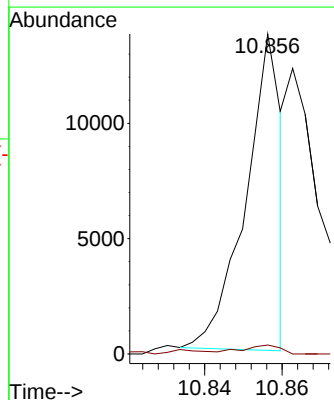
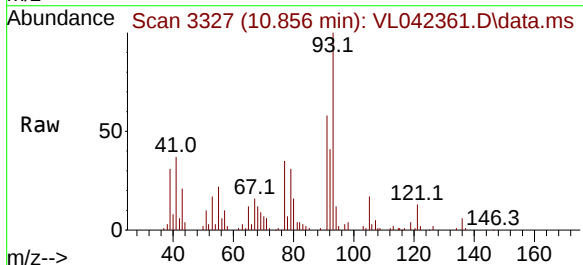
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025

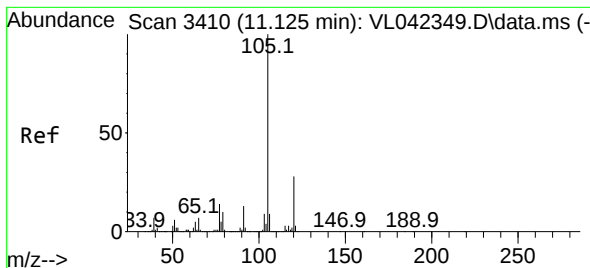
Tgt Ion: 91 Resp: 28567
Ion Ratio Lower Upper
91 100
92 35.2 44.2 66.4#
134 84.2 18.2 27.4#



#71
2-Chlorotoluene
Concen: 0.156 ppbv
RT: 10.856 min Scan# 3327
Delta R.T. -0.045 min
Lab File: VL042361.D
Acq: 17 Apr 2025 17:17

Tgt Ion: 91 Resp: 8756
Ion Ratio Lower Upper
91 100
126 35.4 11.4 45.4





#72

4-Ethyltoluene

Concen: 1.028 ppbv

RT: 11.128 min Scan# 3410

Delta R.T. 0.004 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-4-3252025

Tgt Ion:105 Resp: 61306

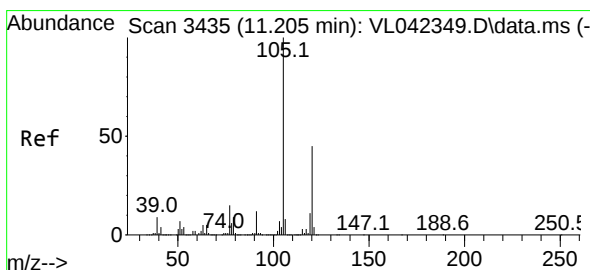
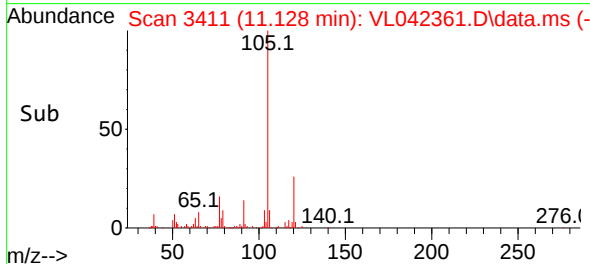
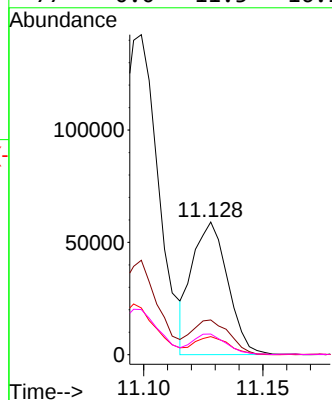
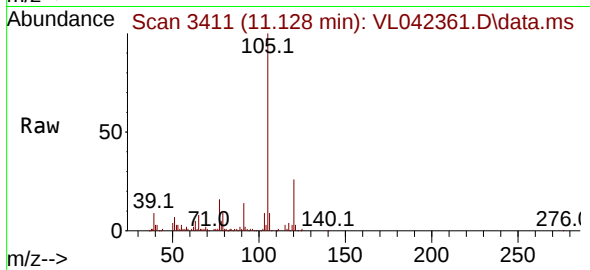
Ion Ratio Lower Upper

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: 1.287 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042361.D

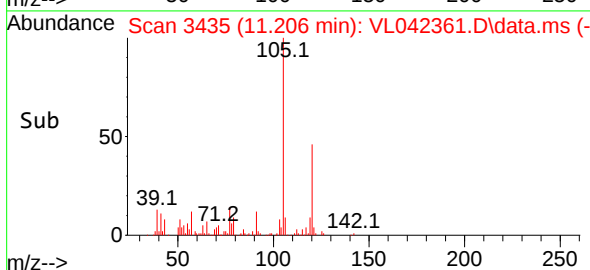
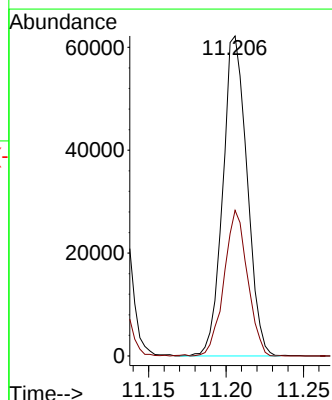
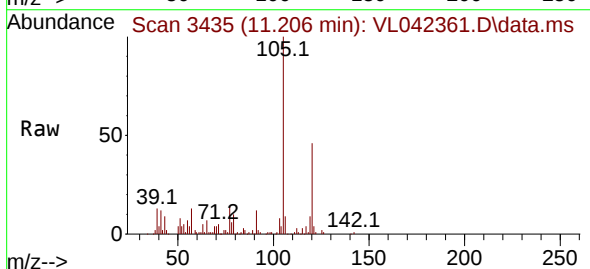
Acq: 17 Apr 2025 17:17

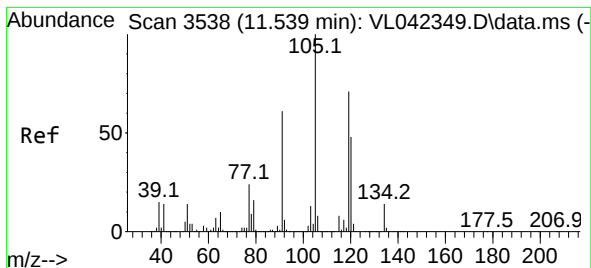
Tgt Ion:105 Resp: 67763

Ion Ratio Lower Upper

105 100

120 45.4 35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 3.819 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

Instrument :

MSVOA_1

ClientSampleId :

IA-B1-4-3252025

Tgt Ion:105 Resp: 234839

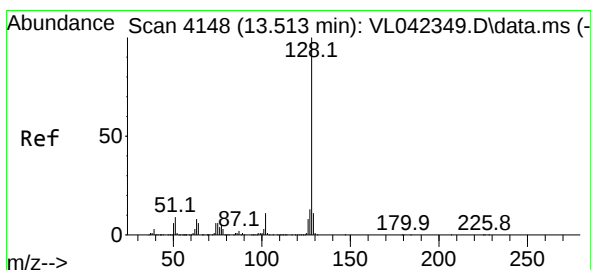
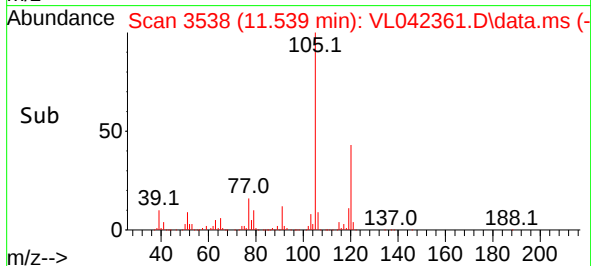
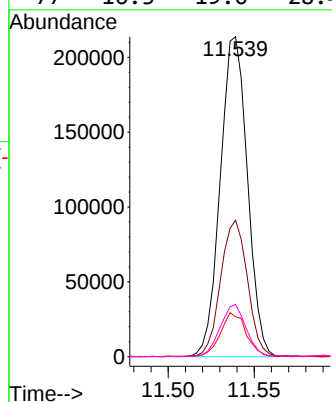
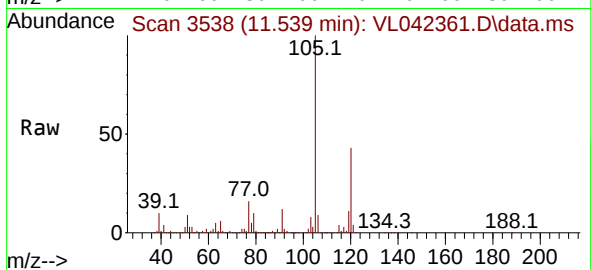
Ion Ratio Lower Upper

105 100

120 42.6 38.1 57.1

91 12.4 48.8 73.2#

77 16.3 19.0 28.4#



#79

Naphthalene

Concen: 0.601 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.004 min

Lab File: VL042361.D

Acq: 17 Apr 2025 17:17

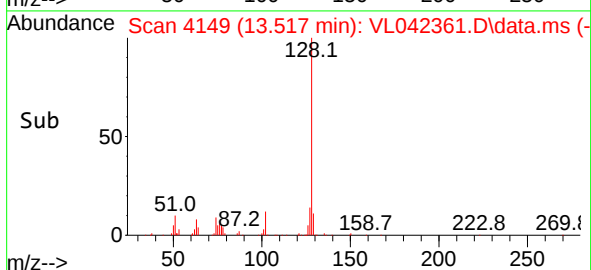
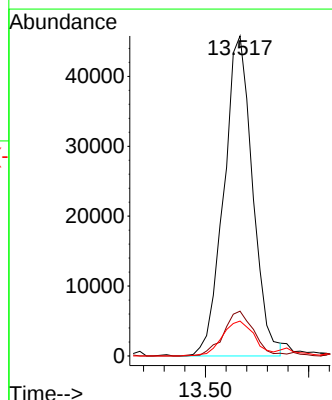
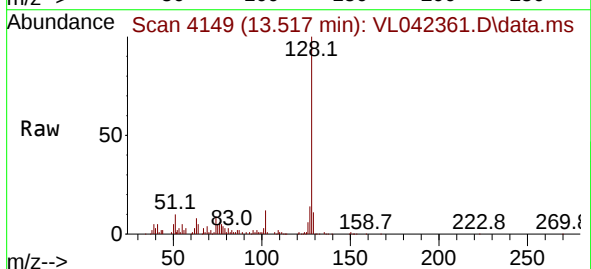
Tgt Ion:128 Resp: 44224

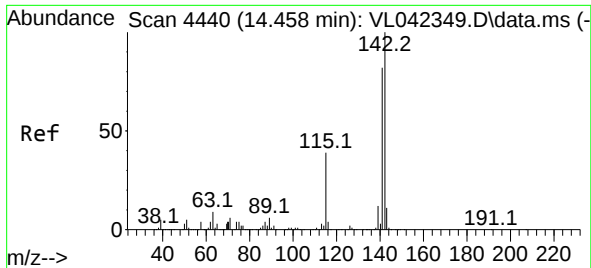
Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 10.9 8.6 12.8





#80
 Naphthalene, 2-methyl-
 Concen: 0.248 ppbv
 RT: 14.459 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: VL042361.D
 Acq: 17 Apr 2025 17:17

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025

Tgt Ion: 142 Resp: 10408
 Ion Ratio Lower Upper
 142 100
 141 89.8 66.8 100.2
 115 82.6 33.4 50.2#

