

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042321.D
 Acq On : 11 Apr 2025 15:36
 Operator : SY/MD
 Sample : Q1665-18
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

Quant Time: Apr 11 23:01:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

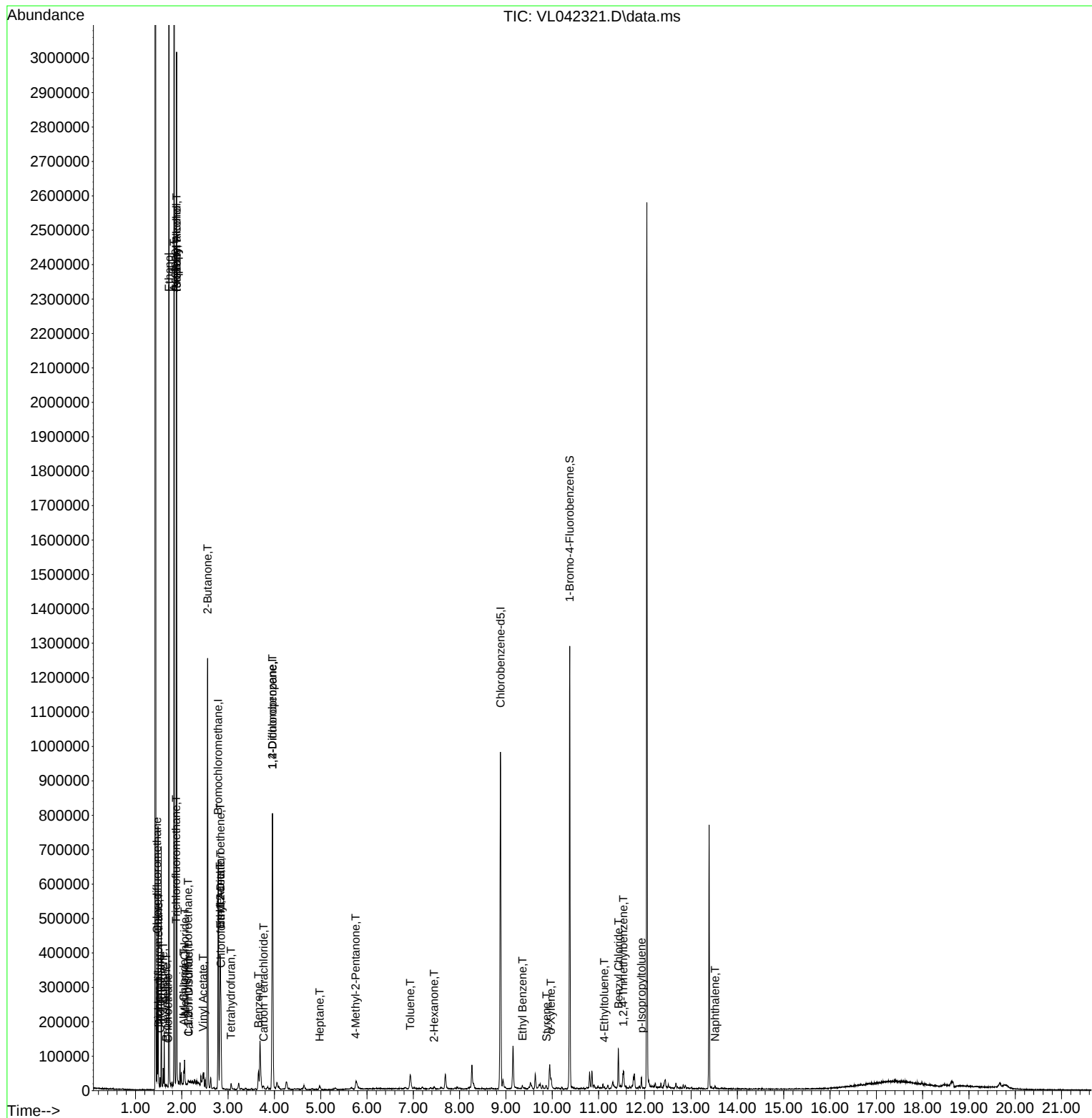
Internal Standards						
1) Bromochloromethane	2.787	49	184452	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	454008	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	391031	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	301415	9.386	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11984	0.440	ppbv	90
3) Chlorodifluoromethane	1.466	51	80648	2.899	ppbv #	63
4) Chloromethane	1.531	50	6779	0.609	ppbv	99
6) Bromomethane	1.667	94	157	0.031	ppbv #	66
7) Chloroethane	1.703	64	318	0.071	ppbv #	43
9) Propene	1.887	41	128515	10.078	ppbv	87
10) Heptane	4.975	43	3329	0.098	ppbv #	28
11) Trichlorofluoromethane	1.877	101	5150	0.194	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	1356	0.062	ppbv	97
13) Ethanol	1.722	45	1721714	1428.217	ppbv	97
15) Acetone	1.832	43	2336283	90.565	ppbv #	69
16) 1,3-Butadiene	1.599	39	7032	0.558	ppbv #	35
17) tert-Butyl alcohol	1.887	59	51633	1.607	ppbv	95
19) Isopropyl Alcohol	1.887	45	1254135	86.165	ppbv #	41
20) Methylene Chloride	2.062	84	8636	0.899	ppbv #	76
21) Allyl Chloride	2.046	41	5656	0.311	ppbv #	31
23) Vinyl Acetate	2.457	43	22621	2.026	ppbv #	90
25) Ethyl Acetate	2.836	43	173110	2.586	ppbv	98
26) Hexane	2.826	57	70462	2.725	ppbv	92
27) Carbon Disulfide	2.149	76	1144	0.041	ppbv #	1
29) Chloroform	2.848	83	55947	1.478	ppbv	100
31) cis-1,2-Dichloroethene	2.836	61	15260	0.581	ppbv #	25
34) 2-Butanone	2.557	43	746435	22.673	ppbv	99
35) Carbon Tetrachloride	3.764	117	2821	0.080	ppbv #	68
36) Benzene	3.654	78	30723	0.683	ppbv	95
39) 1,2-Dichloropropane	3.959	63	116117	7.084	ppbv #	23
41) Tetrahydrofuran	3.062	42	3180	0.168	ppbv #	54
50) 4-Methyl-2-Pentanone	5.755	43	6238	0.120	ppbv #	39
51) 2-Hexanone	7.448	43	2209	0.052	ppbv #	28
53) Toluene	6.933	91	28699	0.538	ppbv	98
58) Ethyl Benzene	9.357	91	4656	0.067	ppbv	98
60) o-Xylene	9.969	91	2749	0.049	ppbv #	3
61) Styrene	9.875	104	2355	0.086	ppbv #	83
66) Benzyl Chloride	11.432	91	3998	0.490	ppbv #	69
69) p-Isopropyltoluene	11.927	119	10463	0.114	ppbv #	93
72) 4-Ethyltoluene	11.125	105	2438	0.035	ppbv #	83
74) 1,2,4-Trimethylbenzene	11.536	105	10882	0.156	ppbv #	68
79) Naphthalene	13.516	128	3524	0.046	ppbv #	92

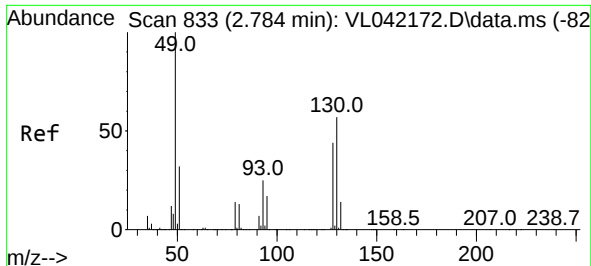
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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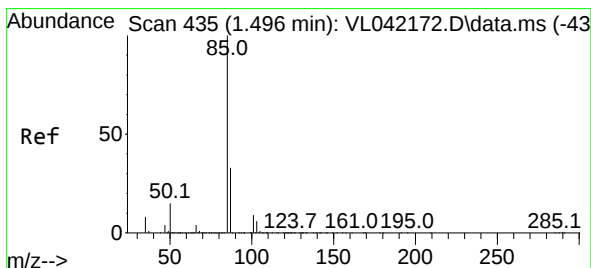
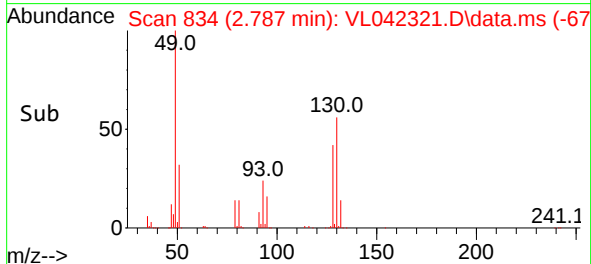
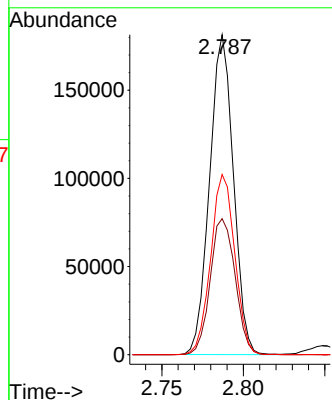
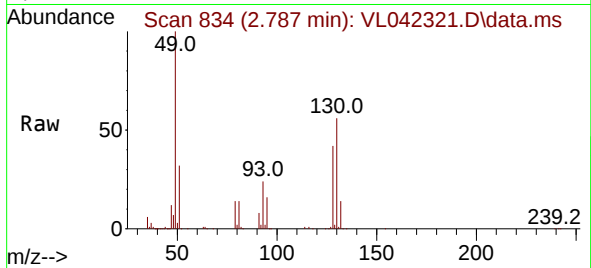




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

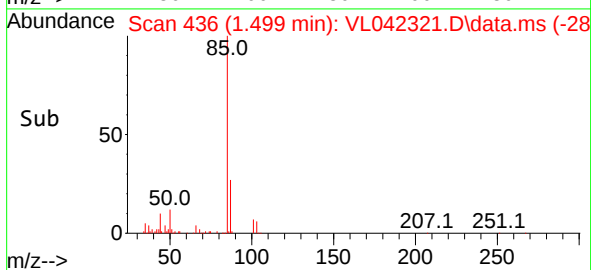
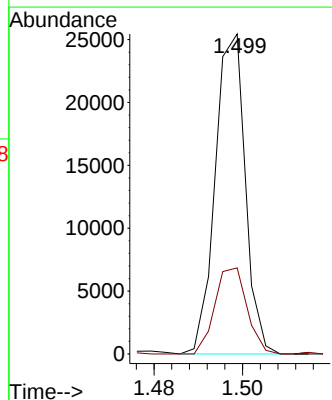
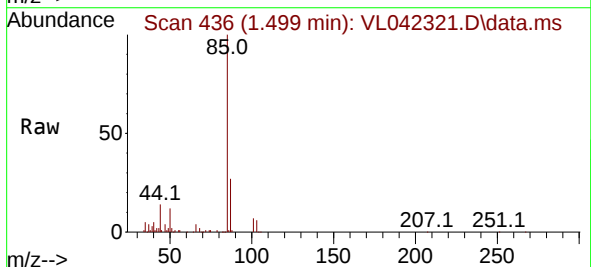
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

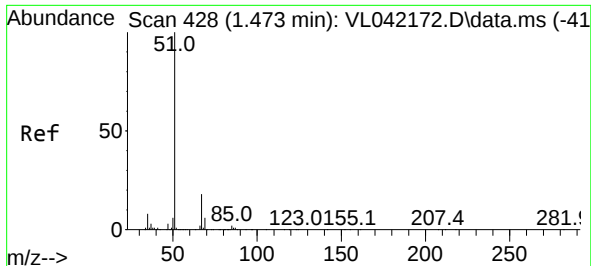
Tgt Ion: 49 Resp: 184452
 Ion Ratio Lower Upper
 49 100
 128 44.5 22.9 68.5
 130 57.1 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.440 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

Tgt Ion: 85 Resp: 11984
 Ion Ratio Lower Upper
 85 100
 87 26.9 26.1 39.1

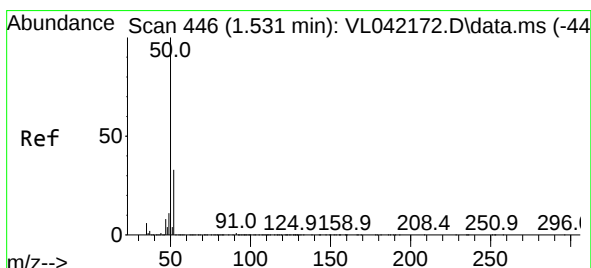
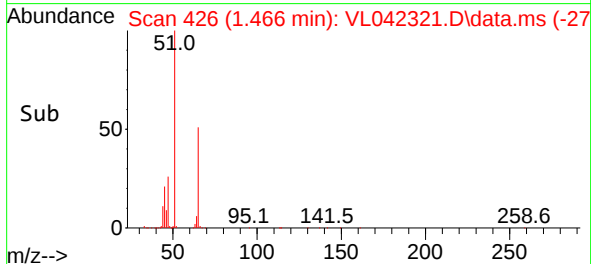
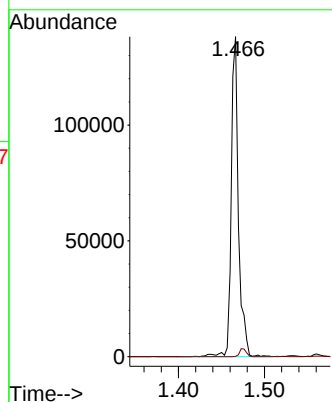
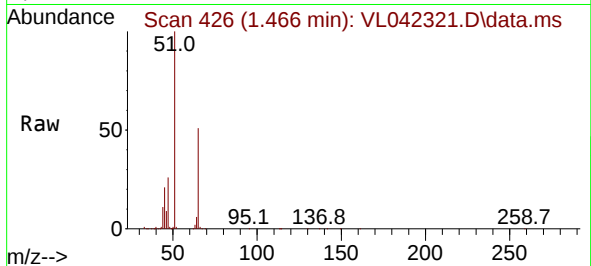




#3
Chlorodifluoromethane
Concen: 2.899 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

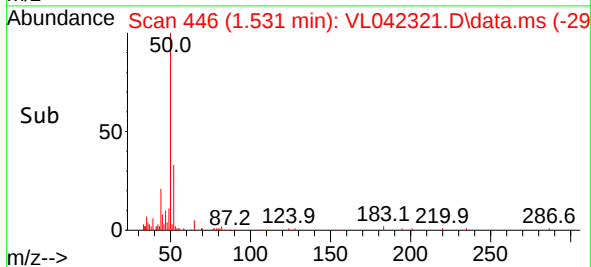
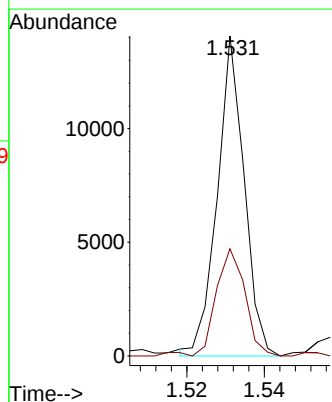
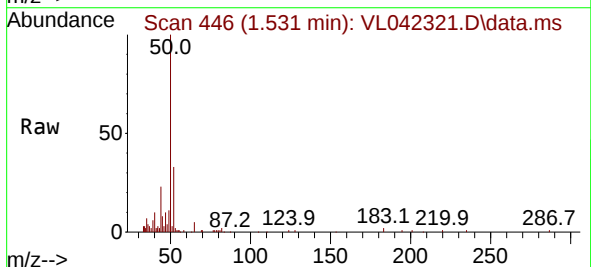
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

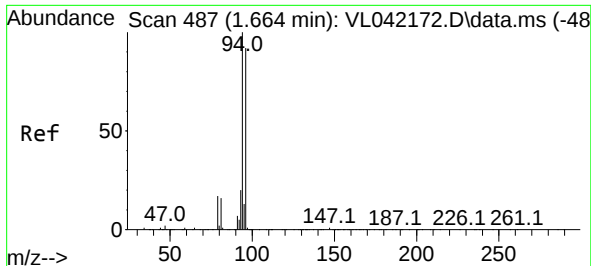
Tgt Ion: 51 Resp: 80648
Ion Ratio Lower Upper
51 100
67 2.3 15.0 22.6#



#4
Chloromethane
Concen: 0.609 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 50 Resp: 6779
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1

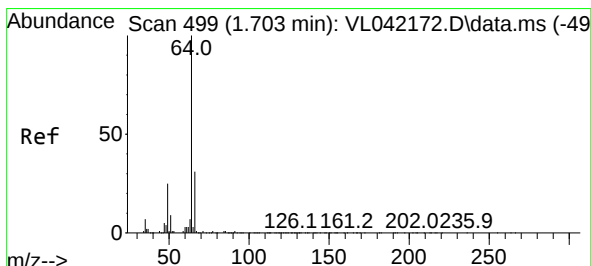
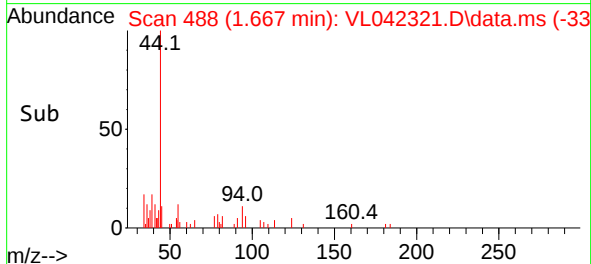
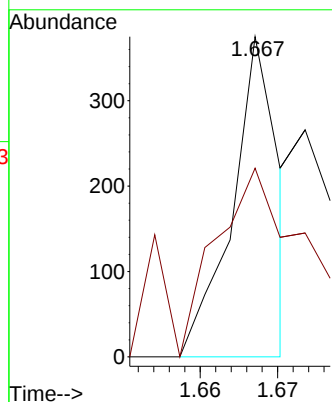
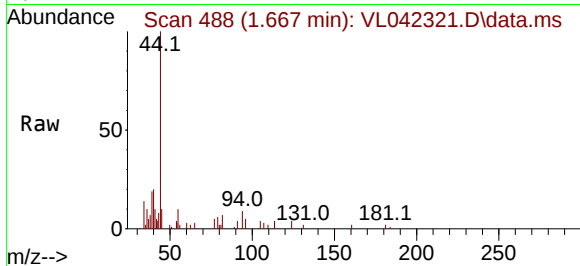




#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

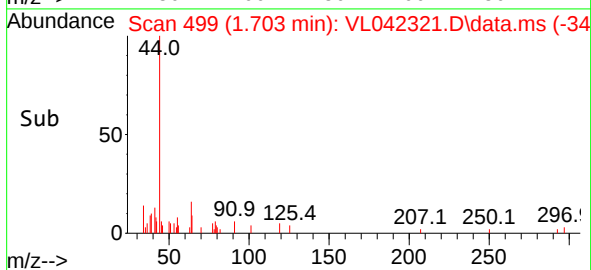
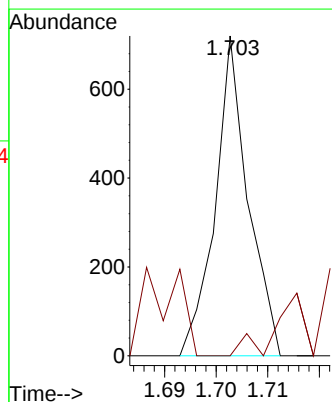
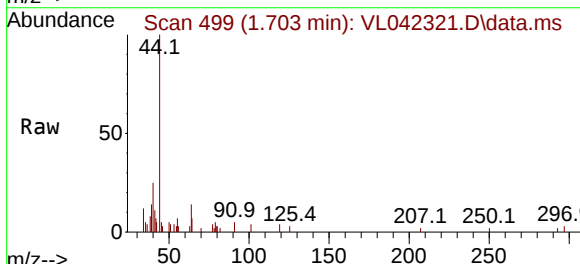
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

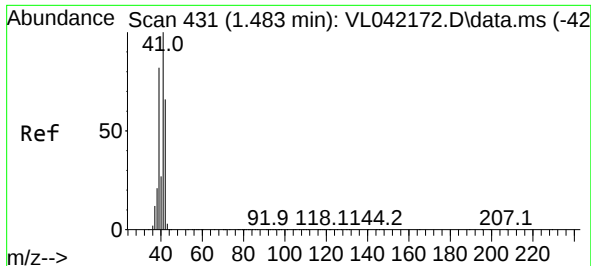
Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 58.9 73.1 109.7#



#7
Chloroethane
Concen: 0.071 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 64 Resp: 318
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

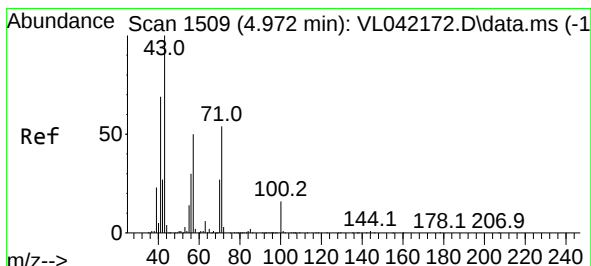
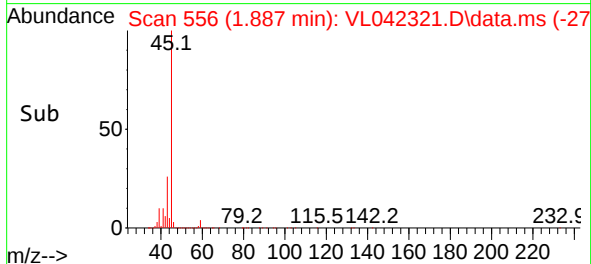
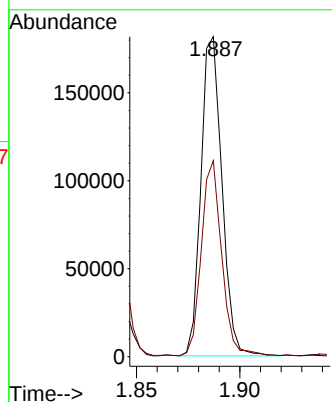
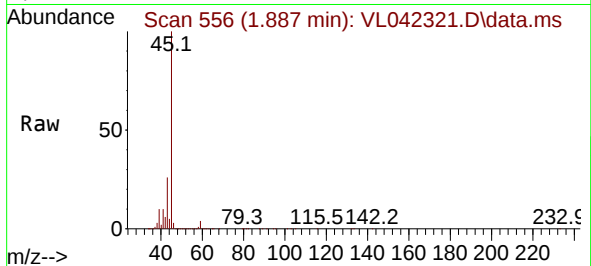




#9
Propene
Concen: 10.078 ppbv
RT: 1.887 min Scan# 510
Delta R.T. 0.404 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

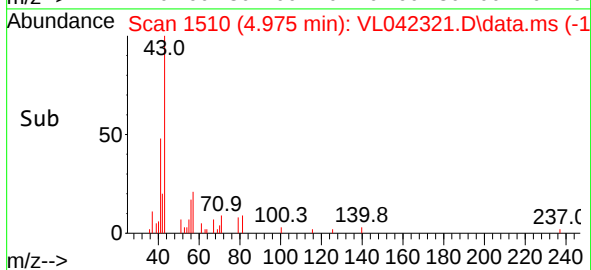
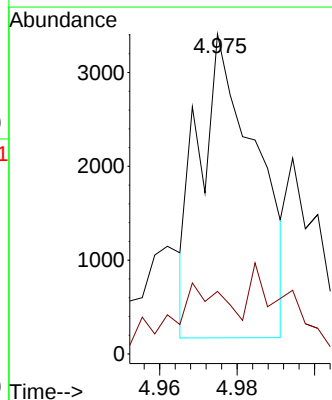
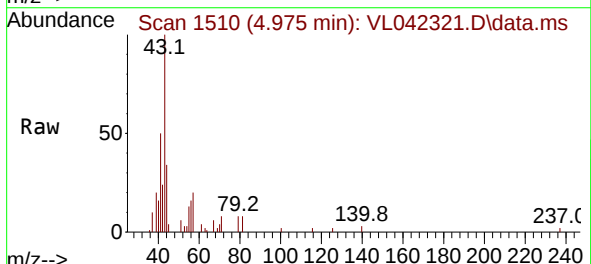
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ClientSampleId :
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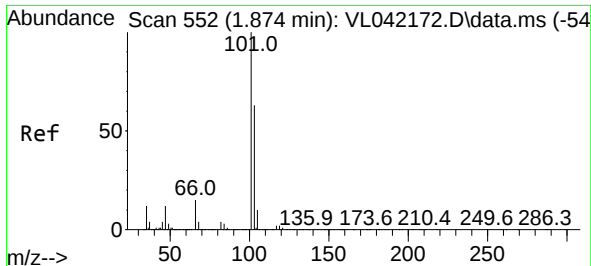
Tgt Ion: 41 Resp: 128515
Ion Ratio Lower Upper
41 100
42 58.8 55.4 83.2



#10
Heptane
Concen: 0.098 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#

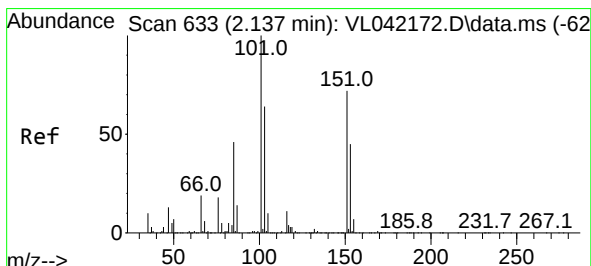
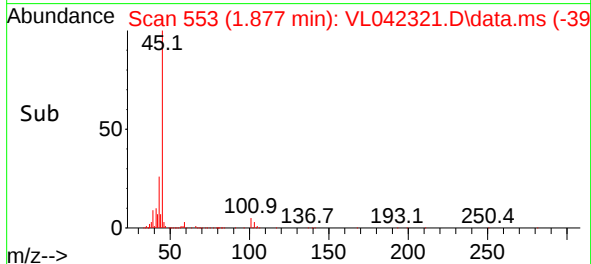
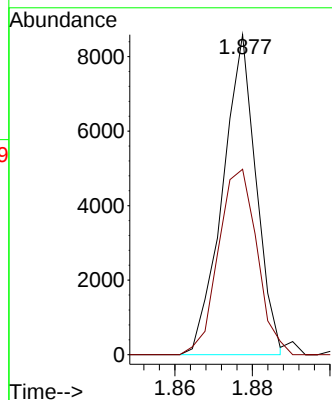
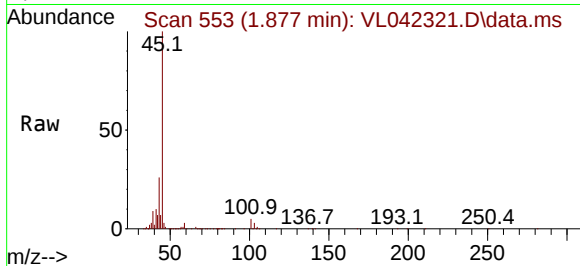




#11
Trichlorofluoromethane
Concen: 0.194 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

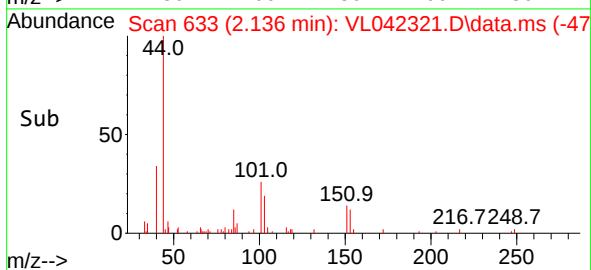
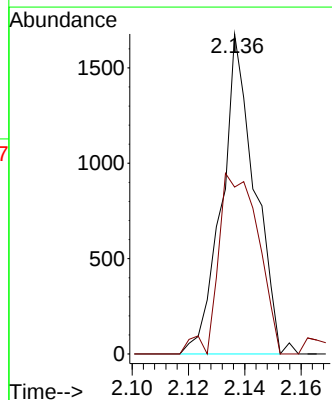
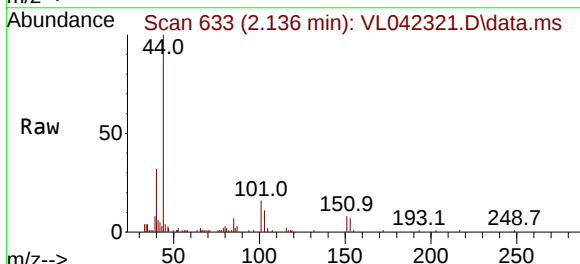
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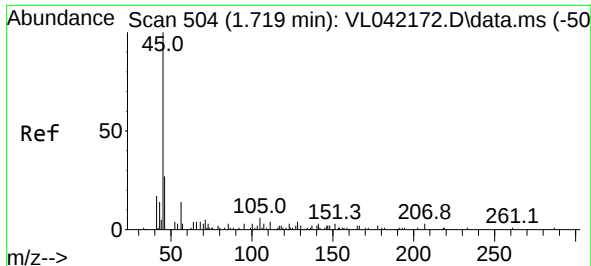
Tgt Ion:101 Resp: 5150
Ion Ratio Lower Upper
101 100
103 58.0 50.2 75.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion:101 Resp: 1356
Ion Ratio Lower Upper
101 100
151 74.0 57.1 85.7

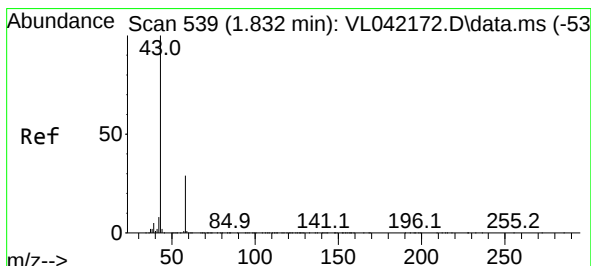
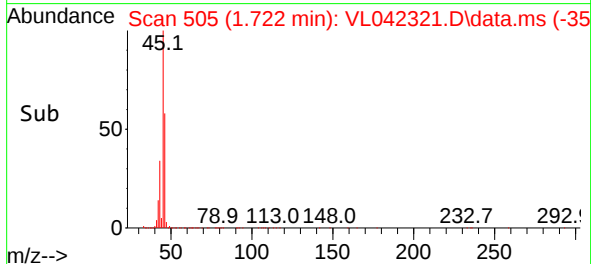
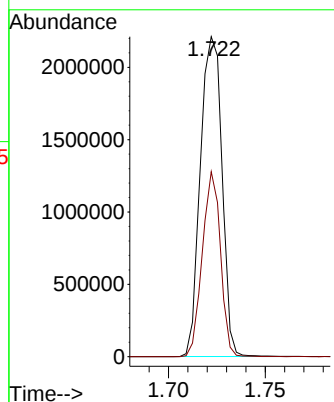
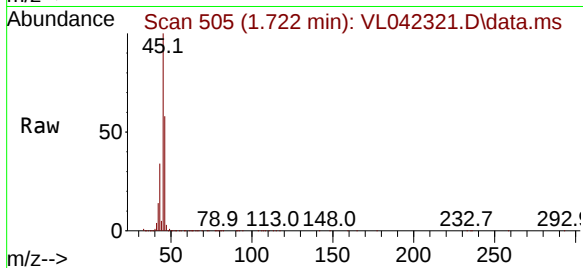




#13
Ethanol
Concen: 1428.217 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
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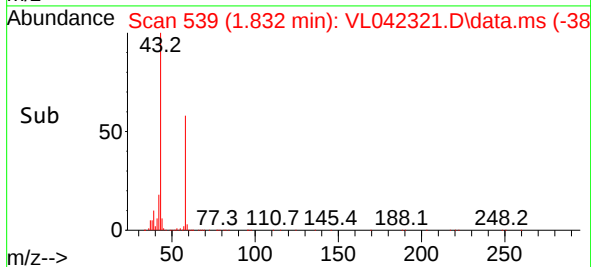
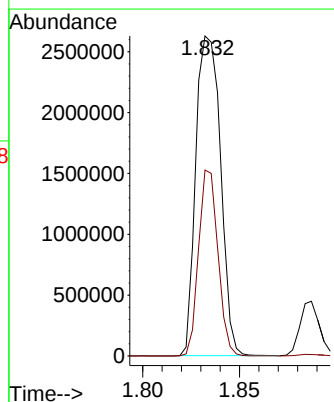
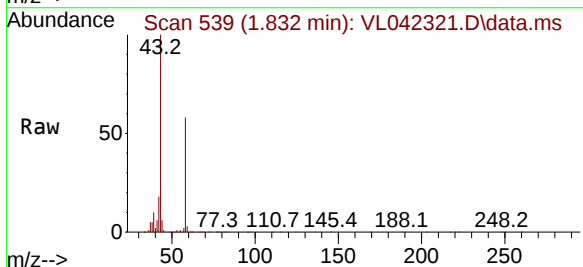
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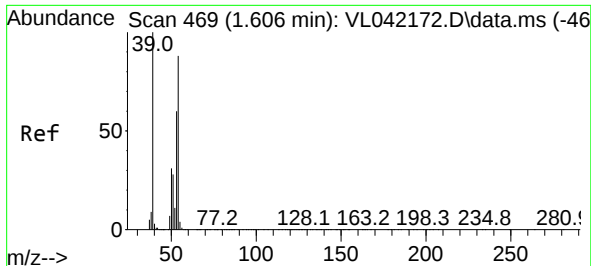
Tgt Ion: 45 Resp: 1721714
Ion Ratio Lower Upper
45 100
46 48.6 20.2 80.8



#15
Acetone
Concen: 90.565 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 43 Resp: 2336283
Ion Ratio Lower Upper
43 100
58 45.7 23.2 34.8#





#16

1,3-Butadiene

Concen: 0.558 ppbv

RT: 1.599 min Scan# 4

Delta R.T. -0.007 min

Lab File: VL042321.D

Acq: 11 Apr 2025 15:36

Instrument :

MSVOA_L

ClientSampleId :

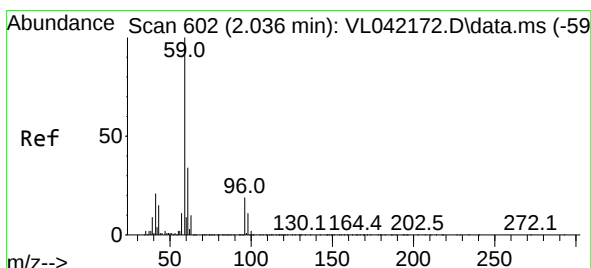
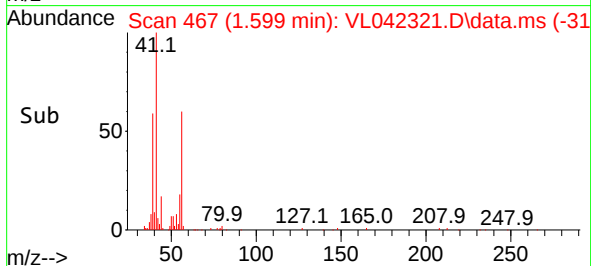
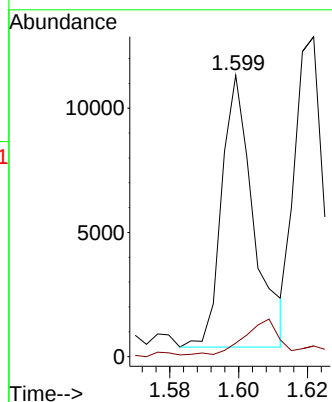
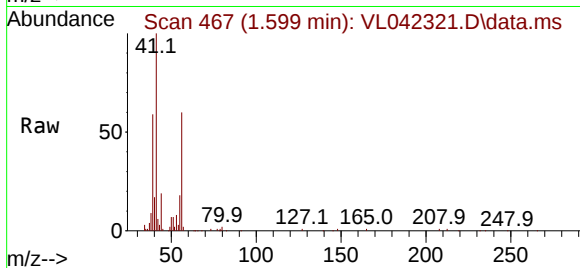
IA-B10-3-3242025

Tgt Ion: 39 Resp: 7032

Ion Ratio Lower Upper

39 100

54 20.1 60.7 91.1#



#17

tert-Butyl alcohol

Concen: 1.607 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.149 min

Lab File: VL042321.D

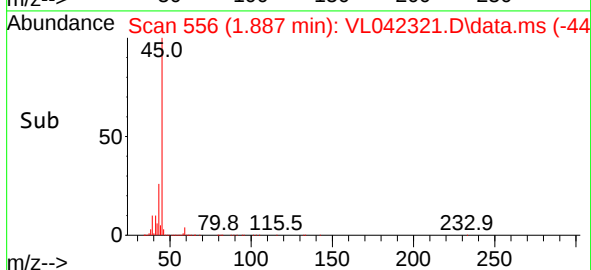
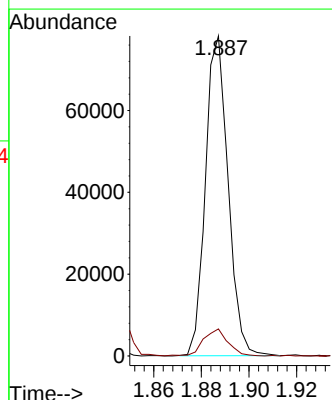
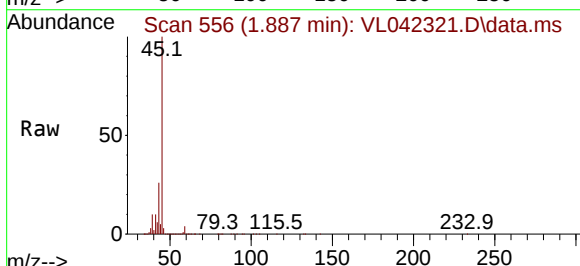
Acq: 11 Apr 2025 15:36

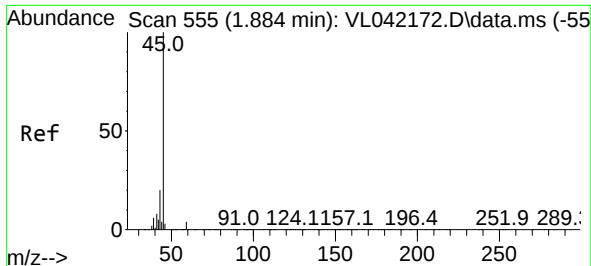
Tgt Ion: 59 Resp: 51633

Ion Ratio Lower Upper

59 100

57 9.3 8.9 13.3

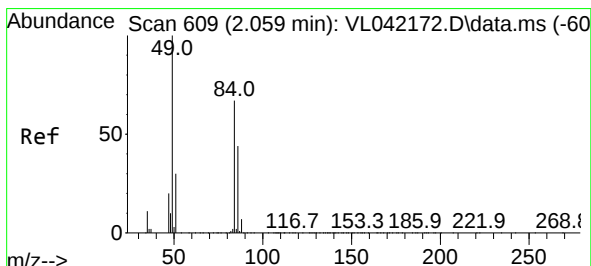
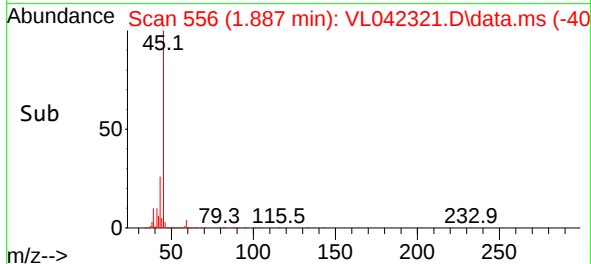
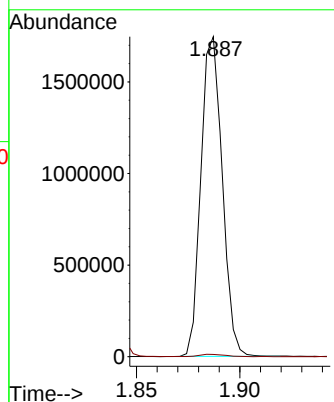
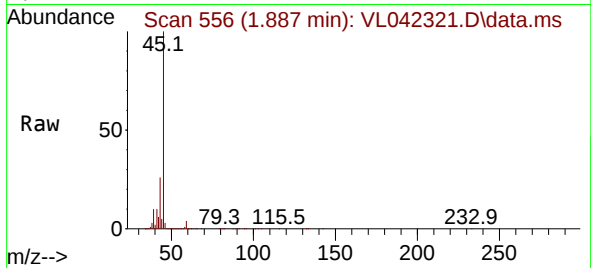




#19
Isopropyl Alcohol
Concen: 86.165 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

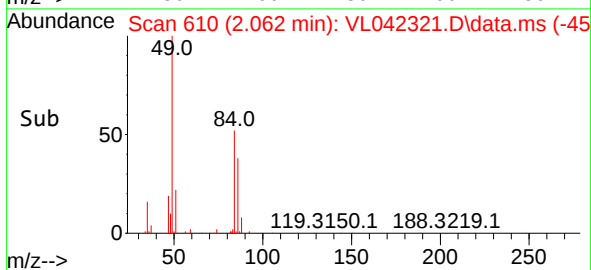
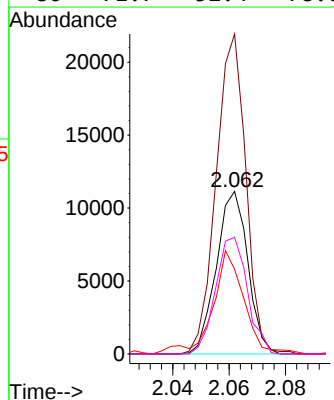
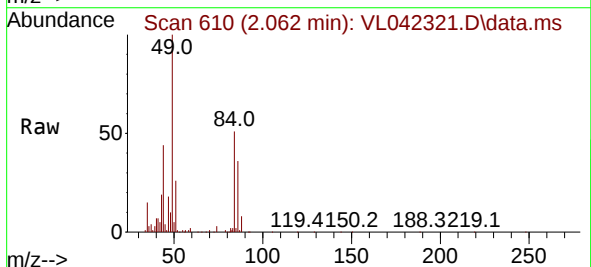
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

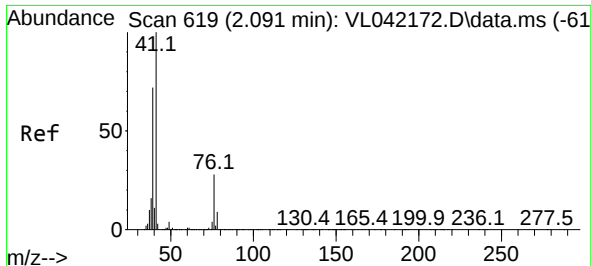
Tgt Ion: 45 Resp: 1254135
Ion Ratio Lower Upper
45 100
58 85.1 36.9 55.3#



#20
Methylene Chloride
Concen: 0.899 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 84 Resp: 8636
Ion Ratio Lower Upper
84 100
49 196.9 120.2 180.4#
51 49.7 37.4 56.0
86 71.7 52.4 78.6

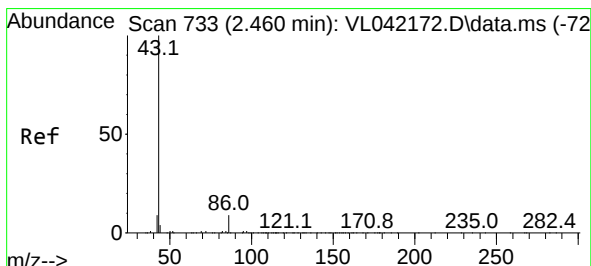
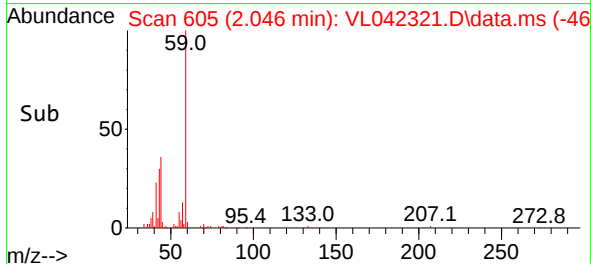
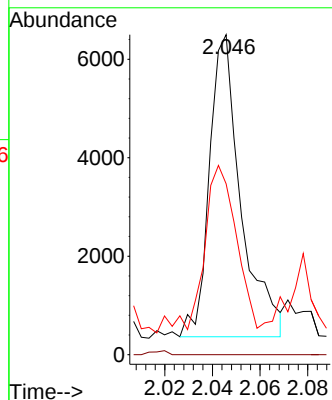
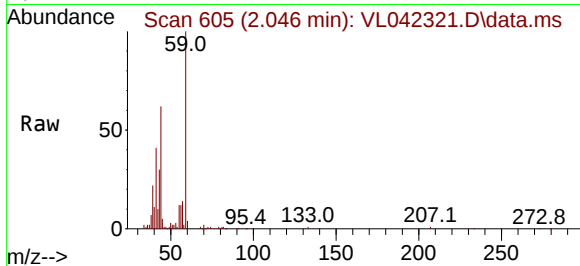




#21
 Allyl Chloride
 Concen: 0.311 ppbv
 RT: 2.046 min Scan# 61
 Delta R.T. -0.046 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

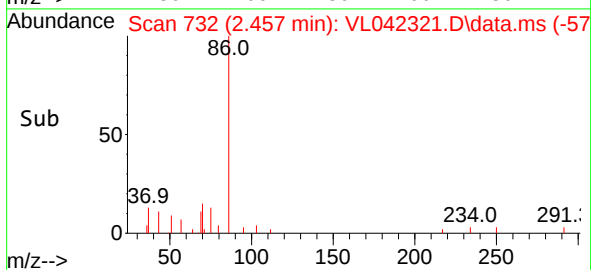
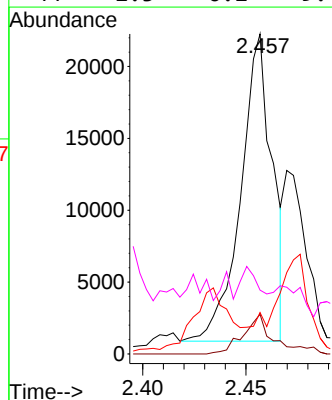
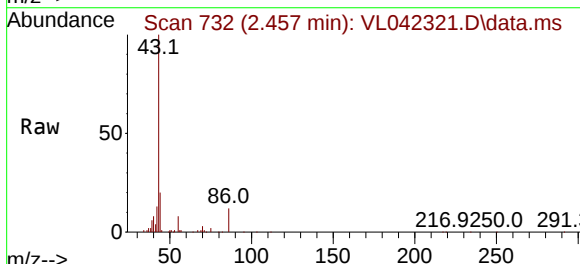
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

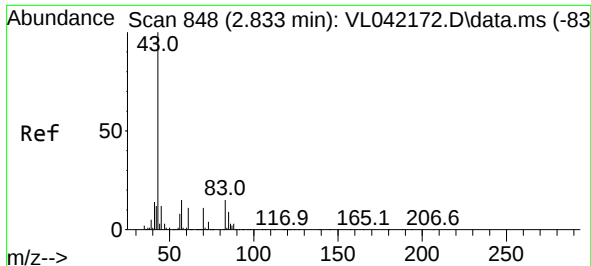
Tgt Ion: 41 Resp: 5656
 Ion Ratio Lower Upper
 41 100
 76 20.2 24.1 36.1#
 39 0.0 61.1 91.7#



#23
 Vinyl Acetate
 Concen: 2.026 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.003 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

Tgt Ion: 43 Resp: 22621
 Ion Ratio Lower Upper
 43 100
 86 12.9 5.5 8.3#
 42 9.9 8.6 13.0
 44 2.3 6.2 9.4#



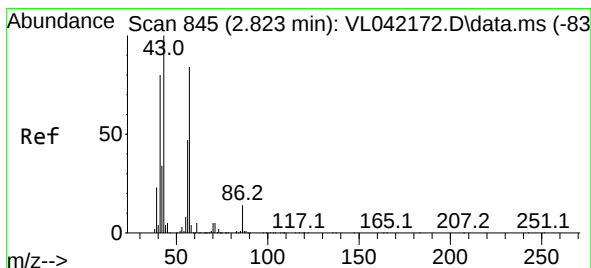
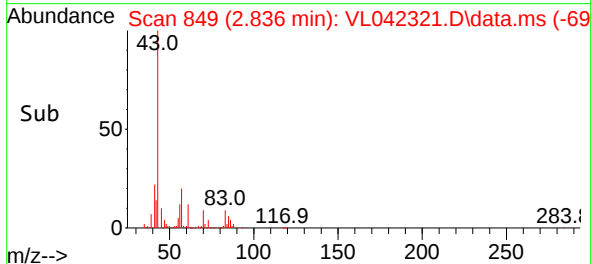
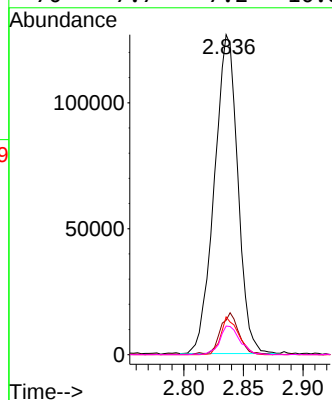
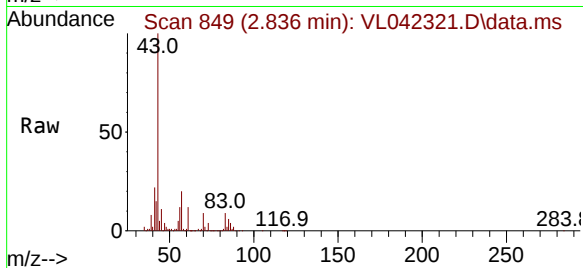


#25
Ethyl Acetate
Concen: 2.586 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

Tgt Ion: 43 Resp: 173110

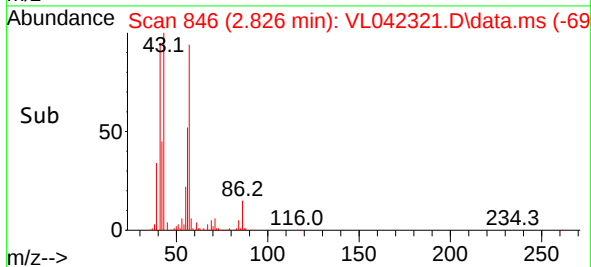
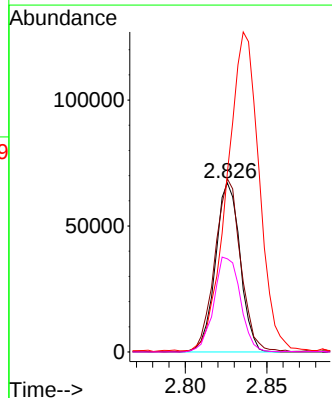
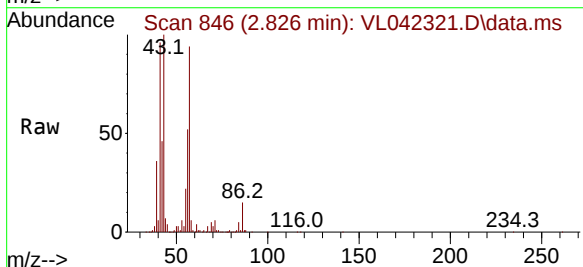
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.2	12.2
61	8.9	7.3	10.9
70	7.7	7.2	10.8

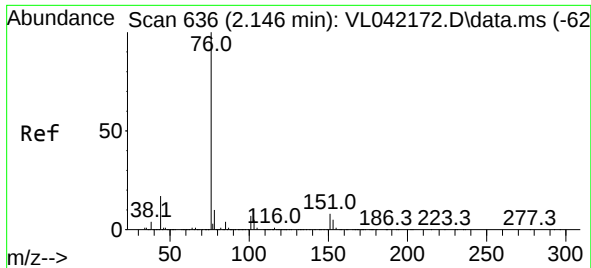


#26
Hexane
Concen: 2.725 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 57 Resp: 70462

Ion	Ratio	Lower	Upper
57	100		
41	107.0	76.6	114.8
43	249.4	207.8	311.8
56	60.8	43.6	65.4

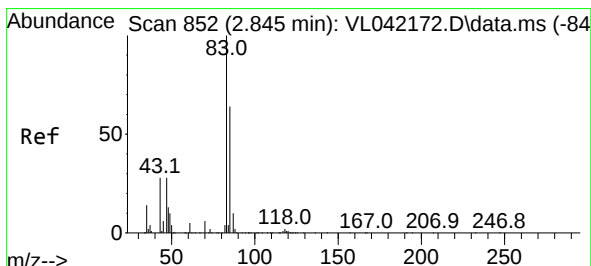
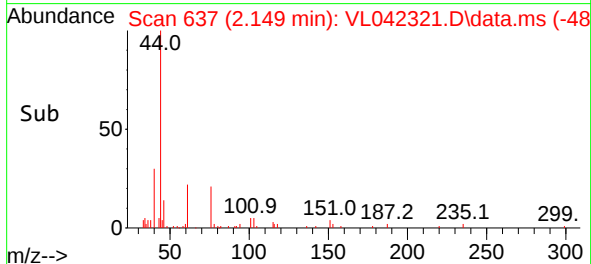
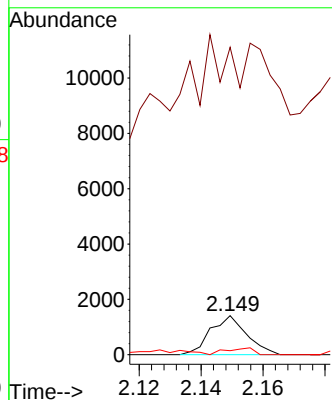
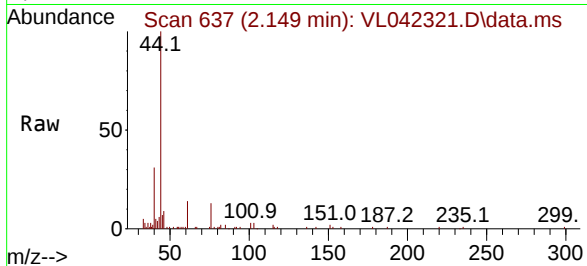




#27
Carbon Disulfide
Concen: 0.041 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

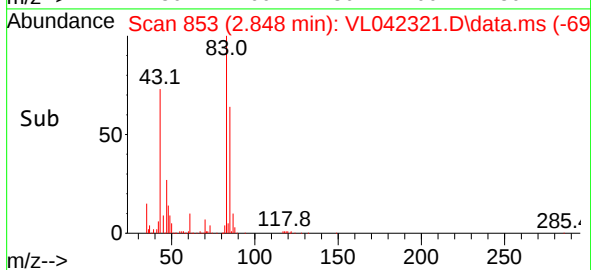
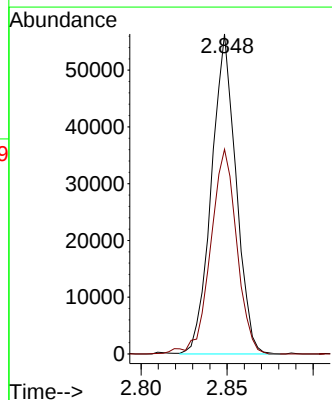
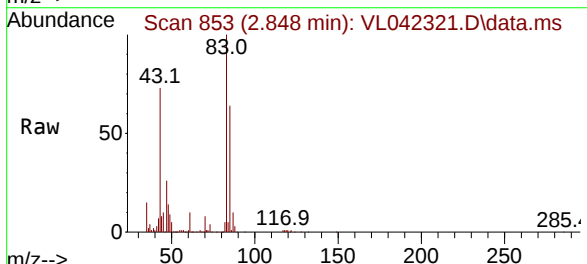
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

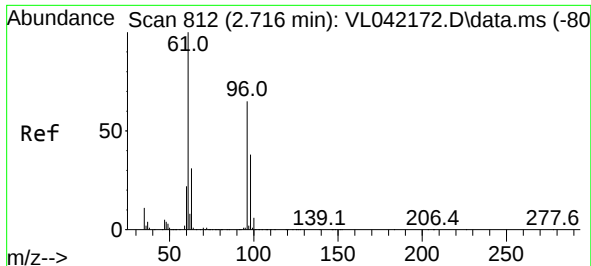
Tgt Ion: 76 Resp: 1144
Ion Ratio Lower Upper
76 100
44 1169.8 14.7 22.1#
78 13.1 9.3 13.9



#29
Chloroform
Concen: 1.478 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 83 Resp: 55947
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2

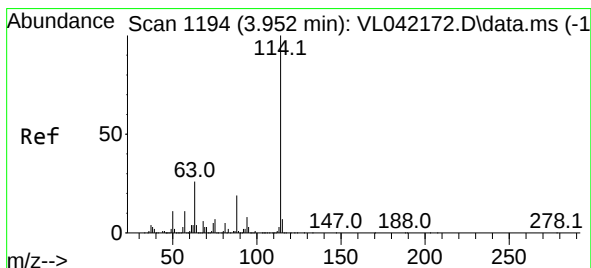
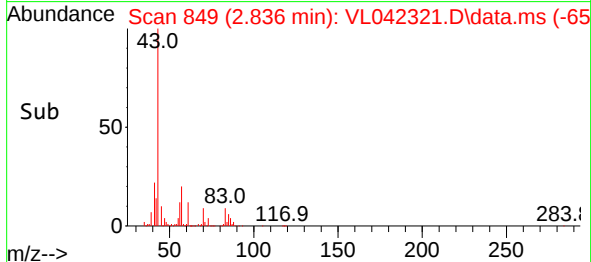
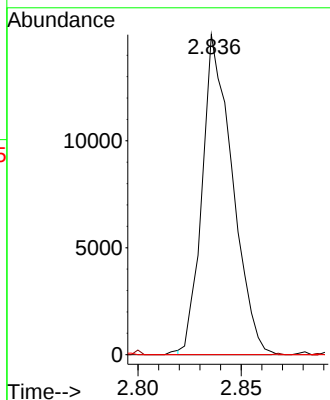
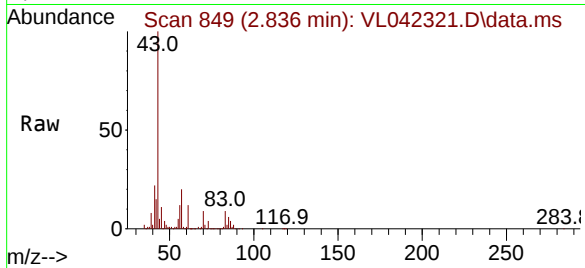




#31
 cis-1,2-Dichloroethene
 Concen: 0.581 ppbv
 RT: 2.836 min Scan# 849
 Delta R.T. 0.120 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

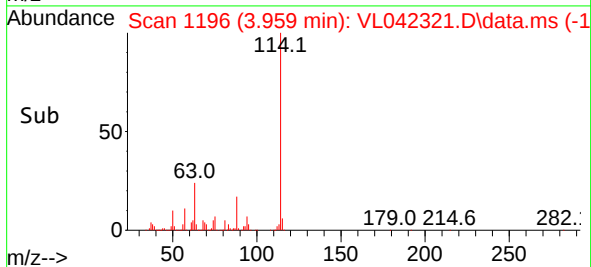
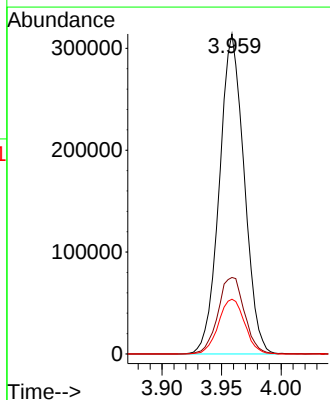
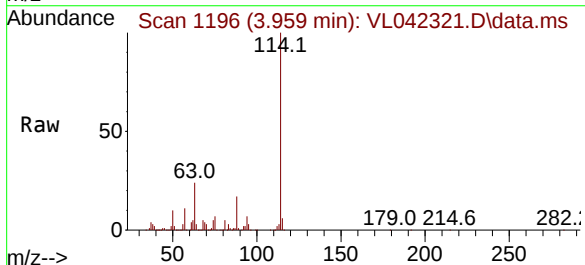
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

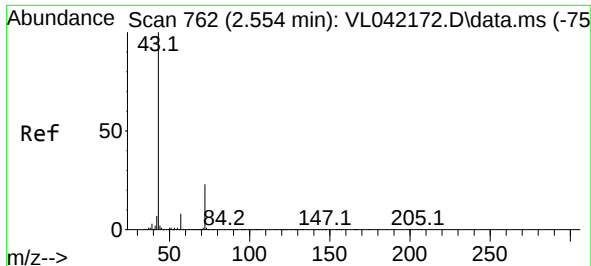
Tgt Ion: 61 Resp: 15260
 Ion Ratio Lower Upper
 61 100
 96 0.0 51.8 77.8#
 98 0.0 30.6 46.0#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

Tgt Ion: 114 Resp: 454008
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.7 31.1
 88 18.1 15.0 22.4

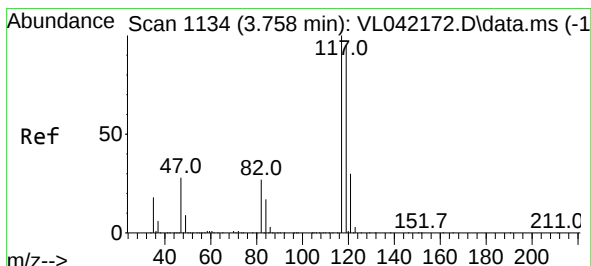
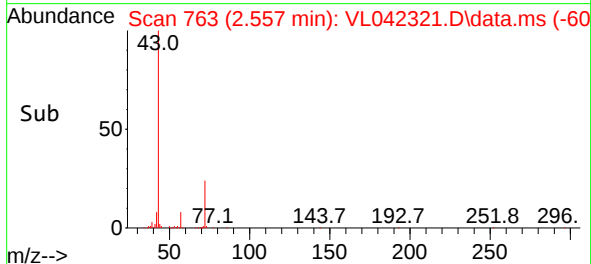
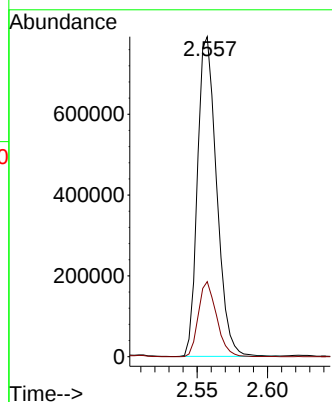
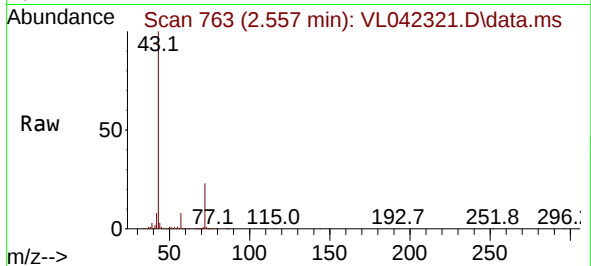




#34
2-Butanone
Concen: 22.673 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

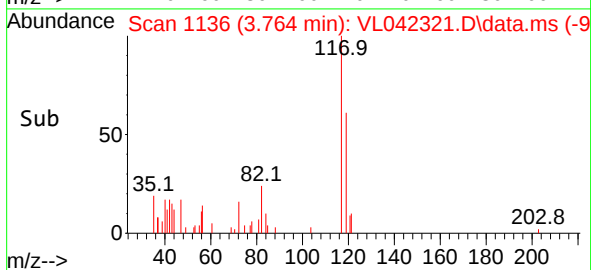
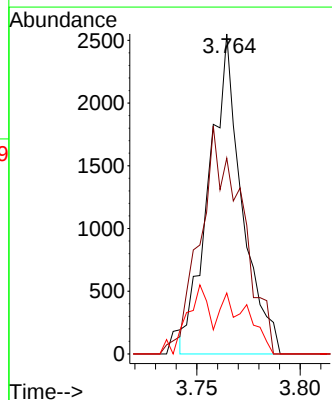
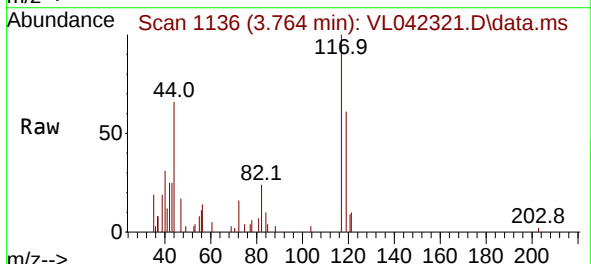
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

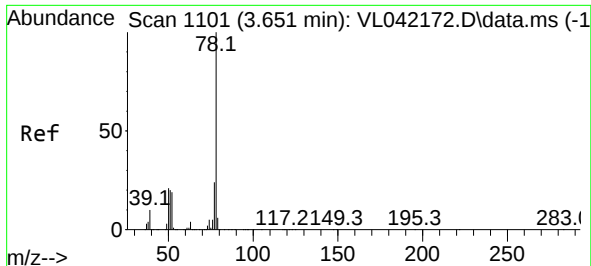
Tgt Ion: 43 Resp: 746435
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.080 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.006 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 117 Resp: 2821
Ion Ratio Lower Upper
117 100
119 61.2 76.2 114.2#
121 19.1 24.2 36.4#

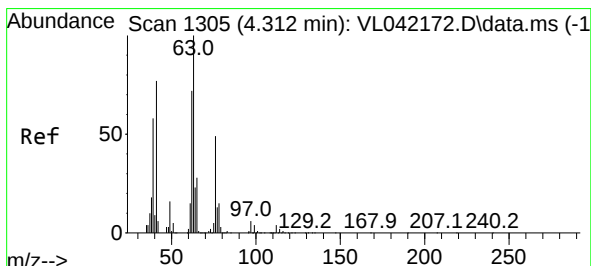
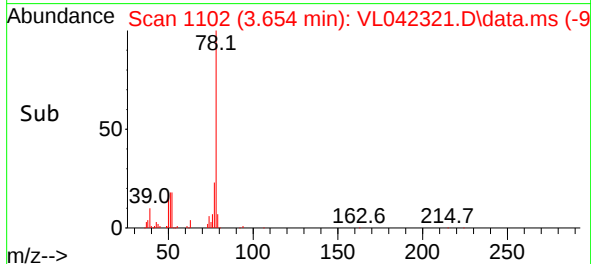
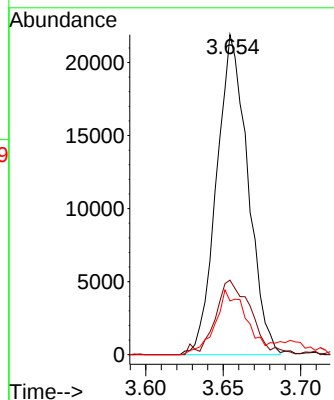
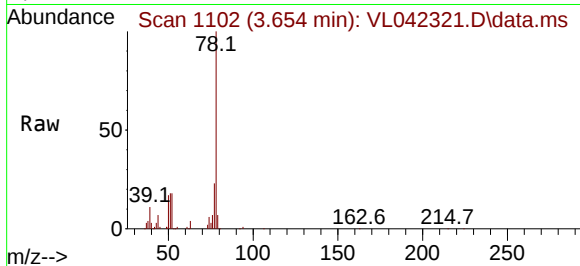




#36
Benzene
Concen: 0.683 ppbv
RT: 3.654 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

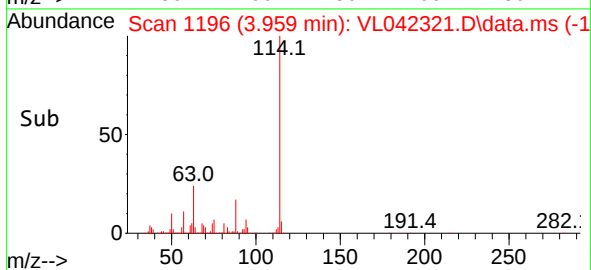
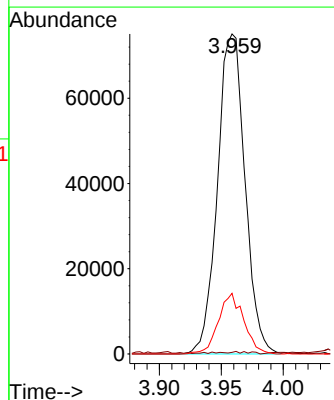
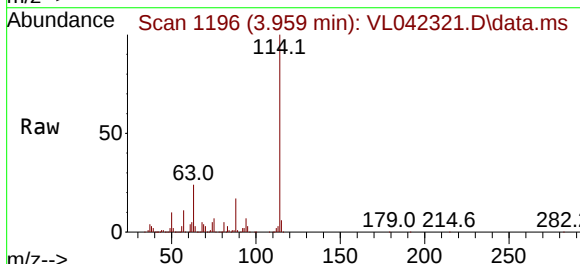
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

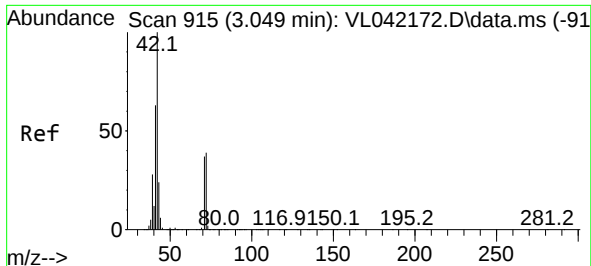
Tgt Ion: 78 Resp: 30723
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7
50 16.8 16.6 24.8



#39
1,2-Dichloropropane
Concen: 7.084 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 63 Resp: 116117
Ion Ratio Lower Upper
63 100
41 0.1 61.7 92.5#
62 19.0 57.6 86.4#

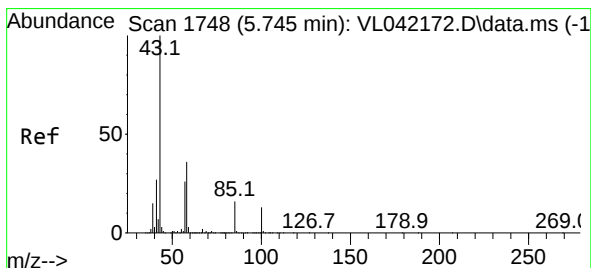
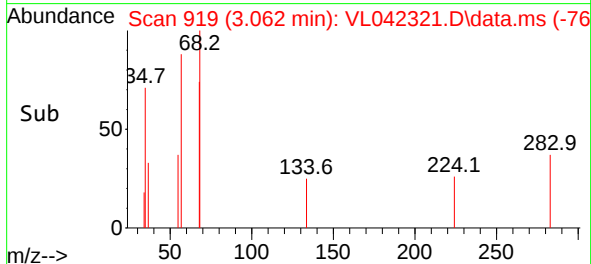
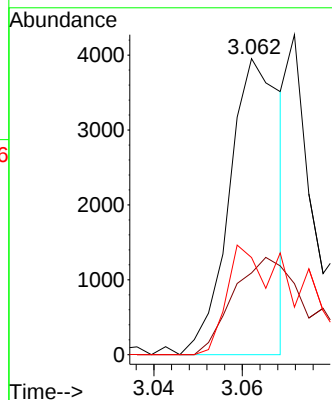
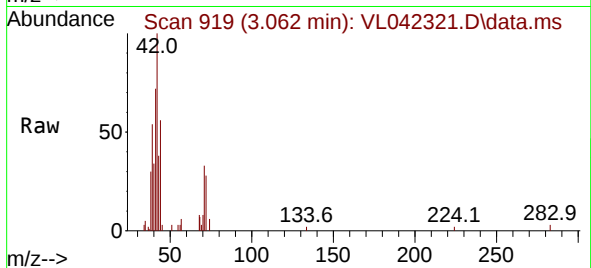




#41
Tetrahydrofuran
Concen: 0.168 ppbv
RT: 3.062 min Scan# 915
Delta R.T. 0.013 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

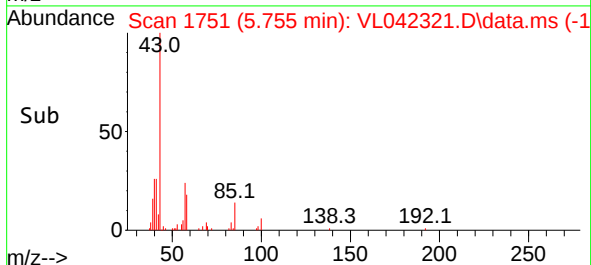
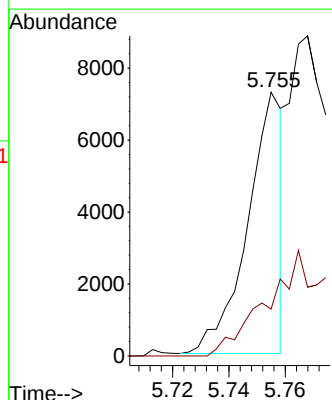
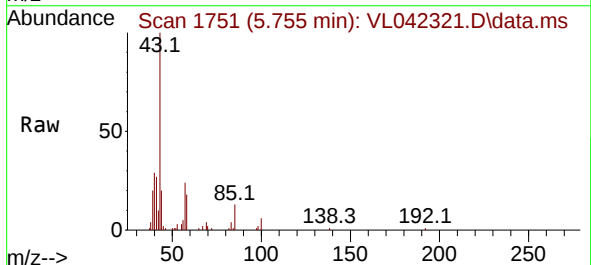
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

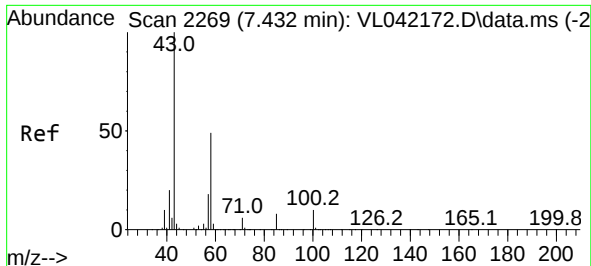
Tgt Ion: 42 Resp: 3180
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 54.2 30.2 45.4#



#50
4-Methyl-2-Pentanone
Concen: 0.120 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.009 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 43 Resp: 6238
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

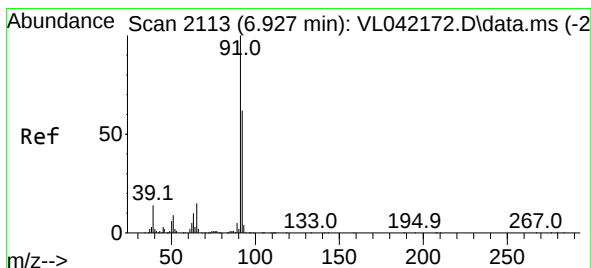
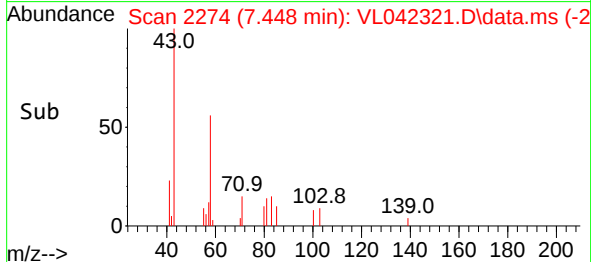
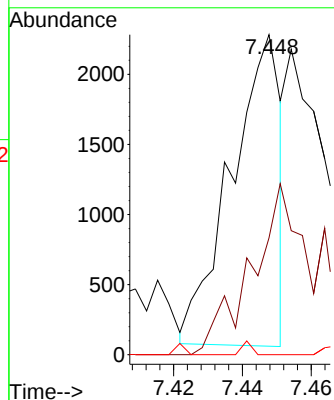
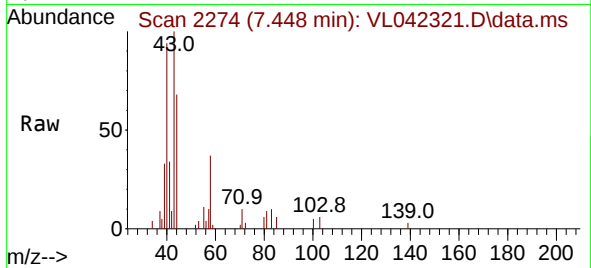




#51
2-Hexanone
Concen: 0.052 ppbv
RT: 7.448 min Scan# 2115
Delta R.T. 0.016 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

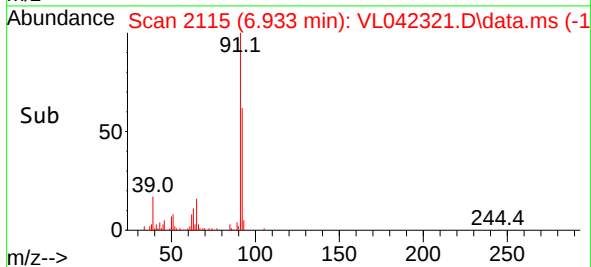
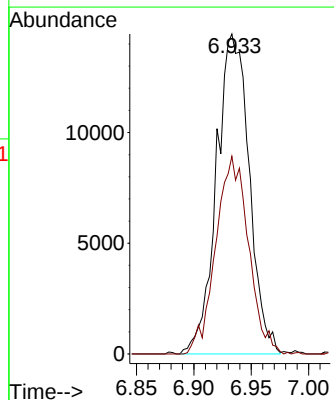
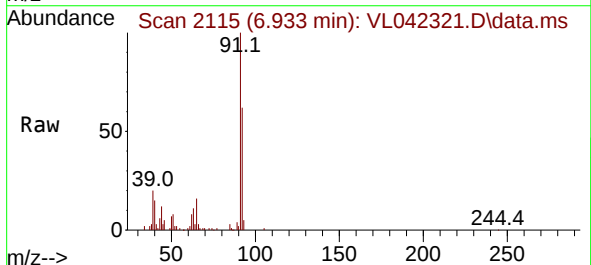
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

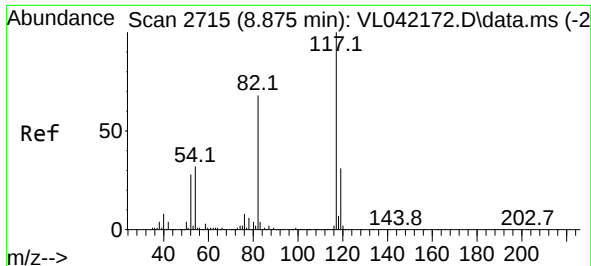
Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 0.538 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 91 Resp: 28699
Ion Ratio Lower Upper
91 100
92 61.8 48.4 72.6

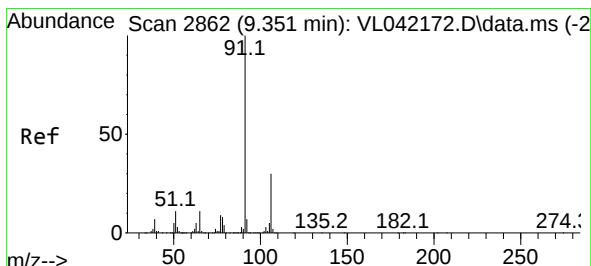
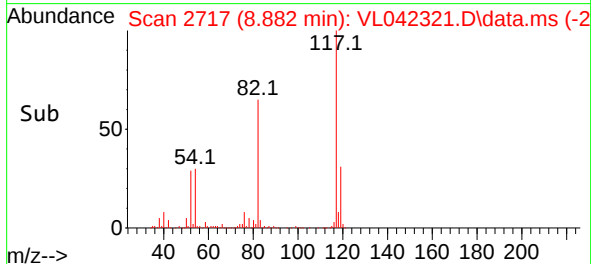
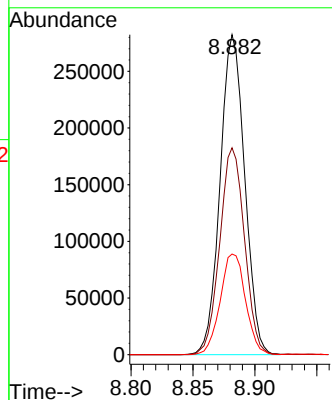
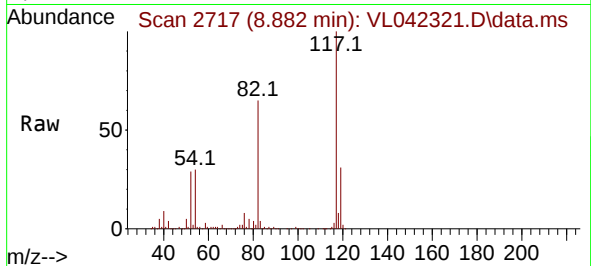




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

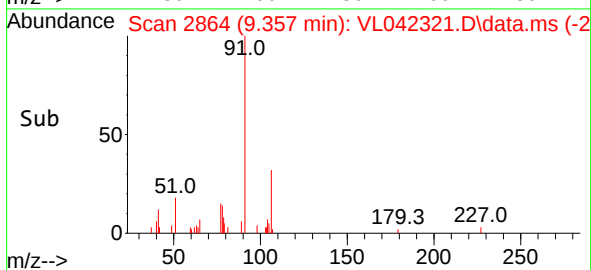
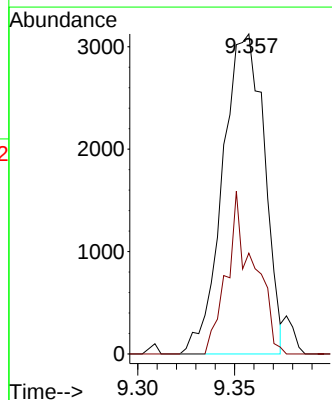
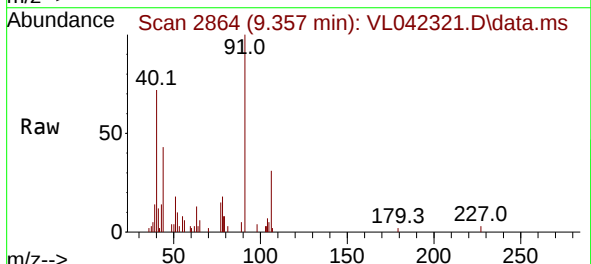
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

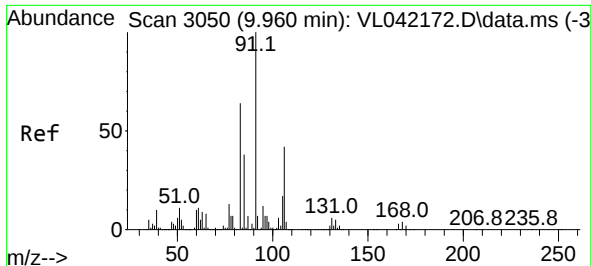
Tgt Ion: 117 Resp: 391031
Ion Ratio Lower Upper
117 100
82 65.2 55.8 83.6
119 32.4 25.5 38.3



#58
Ethyl Benzene
Concen: 0.067 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.006 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 91 Resp: 4656
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.2

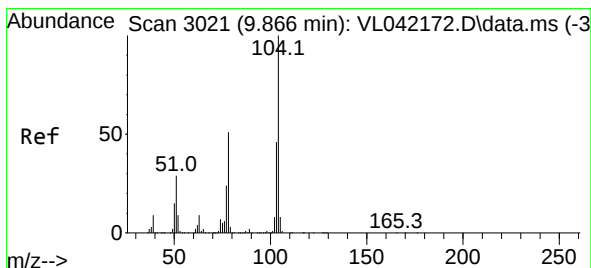
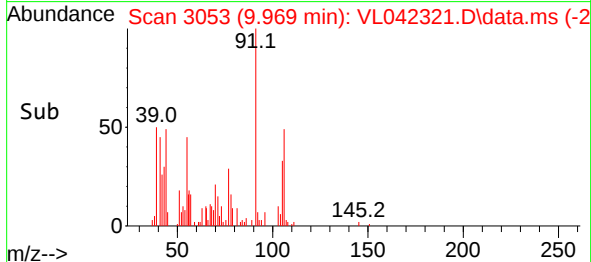
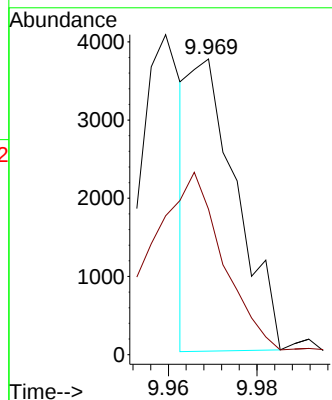
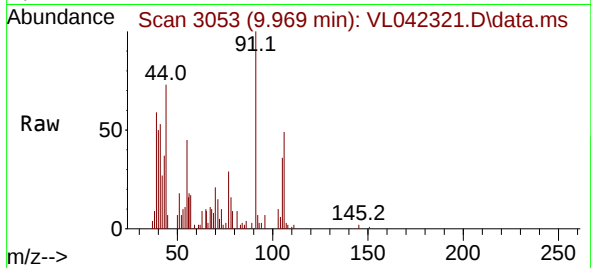




#60
o-Xylene
Concen: 0.049 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.009 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

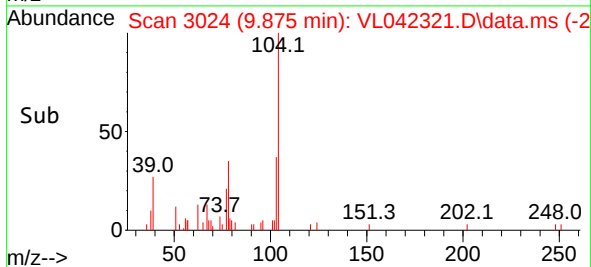
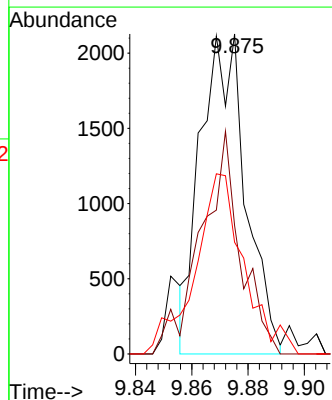
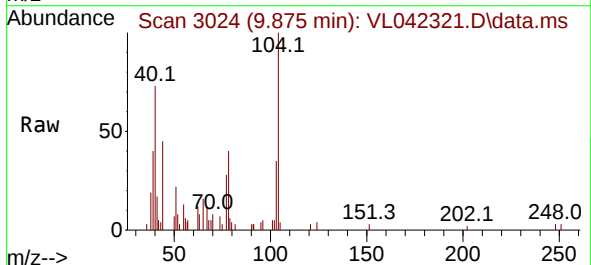
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

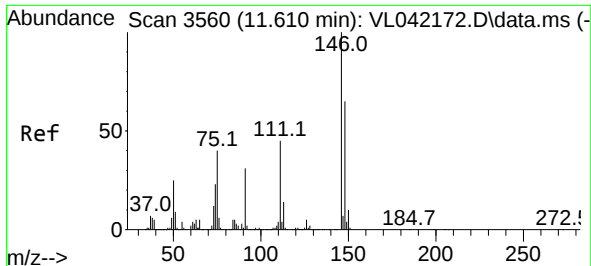
Tgt Ion: 91 Resp: 2749
Ion Ratio Lower Upper
91 100
106 102.7 20.8 62.5#



#61
Styrene
Concen: 0.086 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.009 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 104 Resp: 2355
Ion Ratio Lower Upper
104 100
78 61.0 41.8 62.6
103 61.4 37.0 55.4#

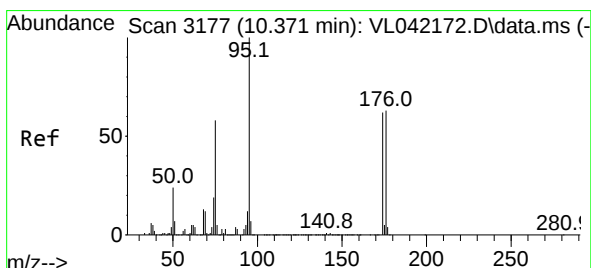
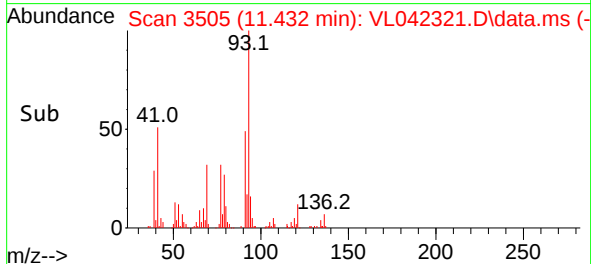
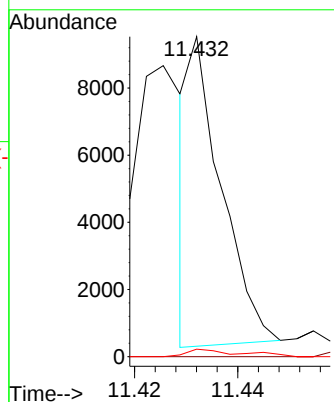
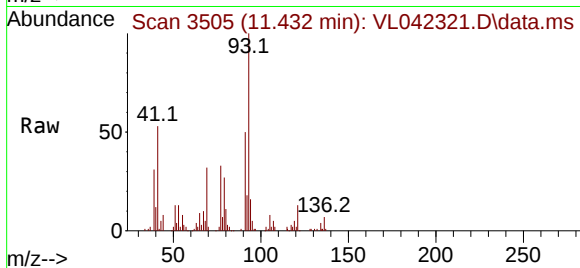




#66
Benzyl Chloride
Concen: 0.490 ppbv
RT: 11.432 min Scan# 3179
Delta R.T. -0.178 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

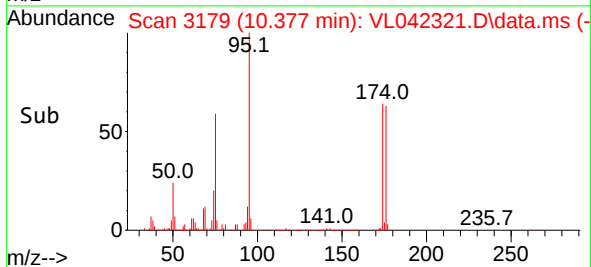
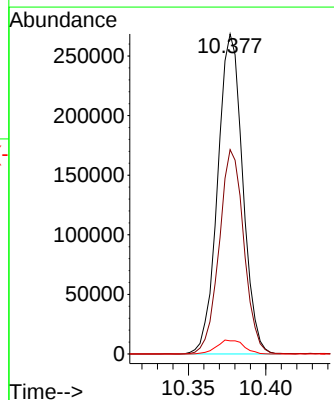
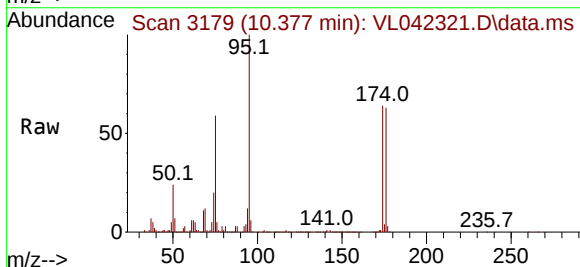
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-3-3242025

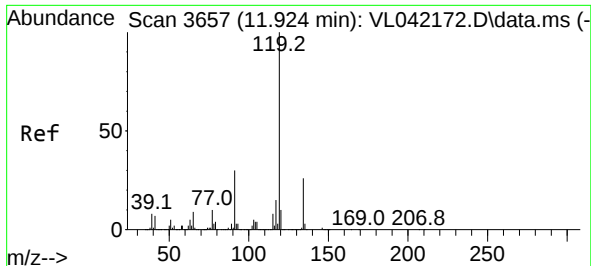
Tgt Ion: 91 Resp: 3998
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.6#
128 4.0 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.386 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042321.D
Acq: 11 Apr 2025 15:36

Tgt Ion: 95 Resp: 301415
Ion Ratio Lower Upper
95 100
174 63.4 50.6 76.0
175 4.7 3.8 5.6

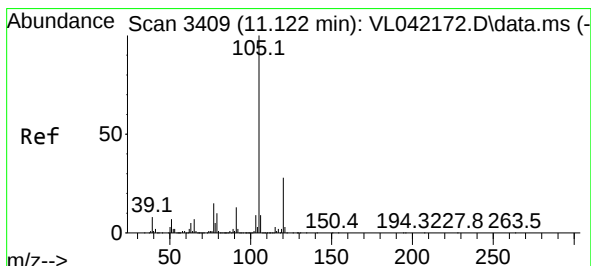
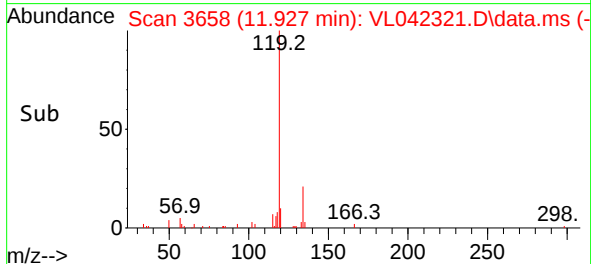
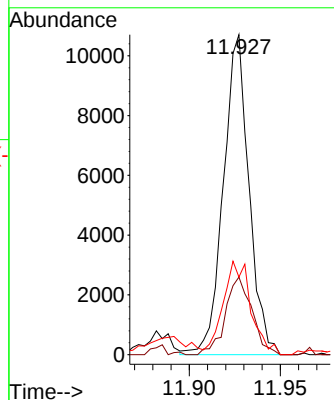
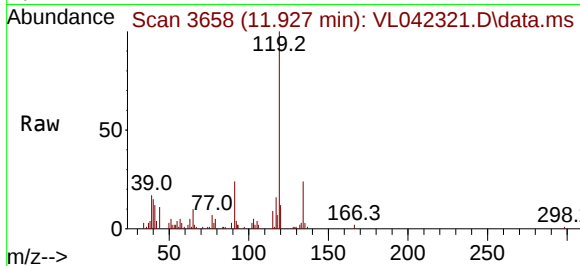




#69
 p-Isopropyltoluene
 Concen: 0.114 ppbv
 RT: 11.927 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

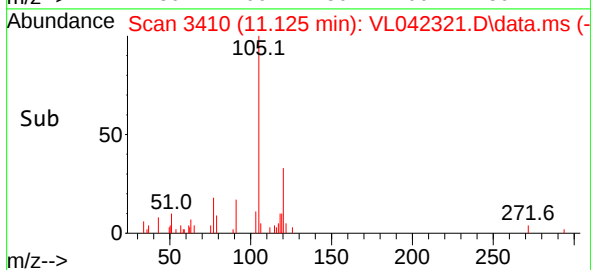
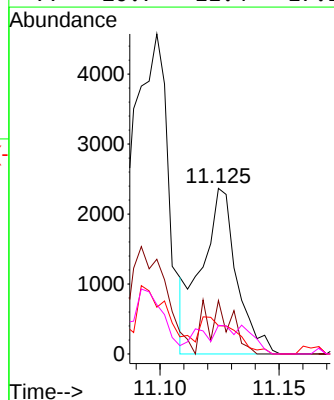
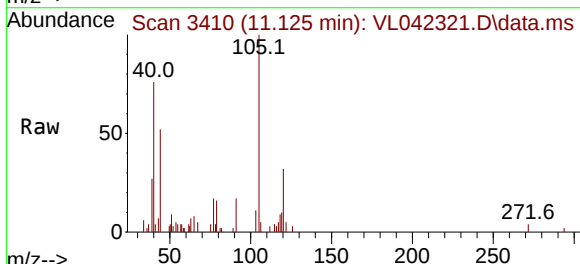
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-3-3242025

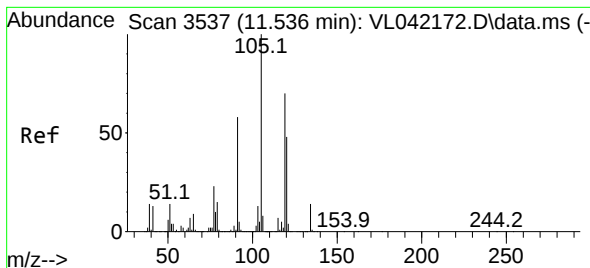
Tgt Ion:119 Resp: 10463
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.4 30.6
 91 36.3 23.7 35.5#



#72
 4-Ethyltoluene
 Concen: 0.035 ppbv
 RT: 11.125 min Scan# 3410
 Delta R.T. 0.003 min
 Lab File: VL042321.D
 Acq: 11 Apr 2025 15:36

Tgt Ion:105 Resp: 2438
 Ion Ratio Lower Upper
 105 100
 120 23.2 23.4 35.0#
 91 0.0 10.3 15.5#
 77 20.7 11.4 17.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.156 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042321.D

Acq: 11 Apr 2025 15:36

Instrument :

MSVOA_L

ClientSampleId :

LA-B10-3-3242025

Tgt Ion:105 Resp: 10882

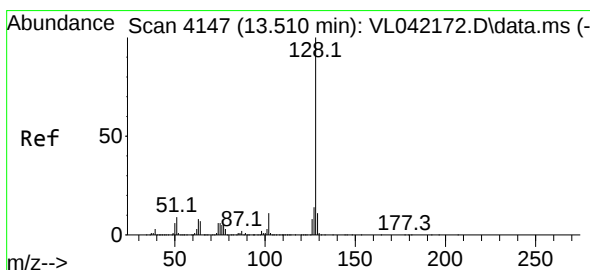
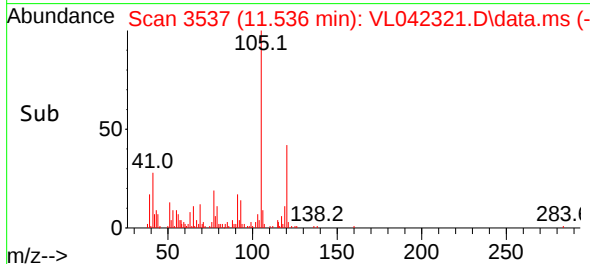
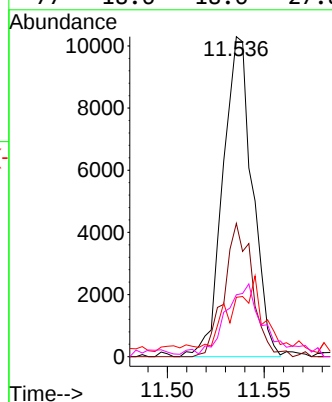
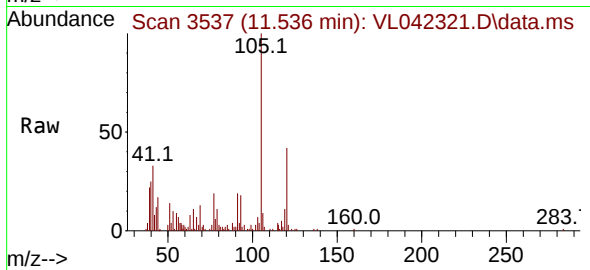
Ion Ratio Lower Upper

105 100

120 40.0 38.6 58.0

91 15.8 46.2 69.2#

77 18.6 18.6 27.8



#79

Naphthalene

Concen: 0.046 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.006 min

Lab File: VL042321.D

Acq: 11 Apr 2025 15:36

Tgt Ion:128 Resp: 3524

Ion Ratio Lower Upper

128 100

127 17.7 10.8 16.2#

129 13.5 9.0 13.4#

