

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042806.D
 Acq On : 04 Aug 2025 15:44
 Operator : SY/MD
 Sample : Q2750-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-8

Quant Time: Aug 05 01:07:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	162780	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	464881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	398366	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	335920	10.648	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	12758	0.593	ppbv	98
3) Chlorodifluoromethane	1.476	51	1351589	48.209	ppbv #	90
4) Chloromethane	1.531	50	5691	0.654	ppbv	92
5) Vinyl Chloride	1.486	62	1241	0.144	ppbv #	44
7) Chloroethane	1.703	64	299	0.090	ppbv #	23
8) Dichlorotetrafluoroethane	1.499	85	12758	0.721	ppbv #	22
9) Propene	1.560	41	532400	52.249	ppbv	96
10) Heptane	4.991	43	1224	0.045	ppbv #	1
11) Trichlorofluoromethane	1.881	101	4494	0.203	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	1274	0.076	ppbv #	72
13) Ethanol	1.728	45	3700748	4986.827	ppbv	94
15) Acetone	1.835	43	2155988	95.918	ppbv #	80
16) 1,3-Butadiene	1.560	39	258545	26.967	ppbv #	16
17) tert-Butyl alcohol	1.974	59	6482411	319.767	ppbv	96
19) Isopropyl Alcohol	1.952	45	16253330	1360.710	ppbv #	37
20) Methylene Chloride	2.065	84	16608	2.345	ppbv	88
21) Allyl Chloride	1.974	41	776946	56.084	ppbv #	1
23) Vinyl Acetate	2.460	43	41161	1.510	ppbv #	93
25) Ethyl Acetate	2.842	43	198191	3.983	ppbv #	58
26) Hexane	2.829	57	47214	2.163	ppbv #	1
27) Carbon Disulfide	2.152	76	46700	2.499	ppbv #	65
28) Methyl tert-Butyl Ether	2.447	73	273	0.026	ppbv #	50
29) Chloroform	2.852	83	18480	0.548	ppbv	100
30) Cyclohexane	3.868	84	589	0.032	ppbv #	1
31) cis-1,2-Dichloroethene	2.842	61	19473	0.868	ppbv #	23
34) 2-Butanone	2.570	43	33339	1.012	ppbv	99
35) Carbon Tetrachloride	3.768	117	2055	0.060	ppbv #	84
36) Benzene	3.661	78	13222	0.300	ppbv #	88
39) 1,2-Dichloropropane	3.962	63	117616	7.232	ppbv #	20
41) Tetrahydrofuran	3.065	42	1171	0.070	ppbv #	1
42) Bromodichloromethane	4.496	83	1555	0.045	ppbv #	78
43) Methyl Methacrylate	4.881	69	391	0.025	ppbv #	1
53) Toluene	6.943	91	31303	0.662	ppbv	96
58) Ethyl Benzene	9.364	91	4328	0.069	ppbv	98
59) m/p-Xylene	9.558	91	1884	0.037	ppbv #	30
60) o-Xylene	9.969	91	3412	0.068	ppbv	81
61) Styrene	9.875	104	3442	0.163	ppbv #	85
66) Benzyl Chloride	11.545	91	7350	1.360	ppbv #	67
69) p-Isopropyltoluene	11.930	119	45031	0.590	ppbv	98
70) n-Butylbenzene	12.348	91	13894	0.188	ppbv #	87
73) 1,3,5-Trimethylbenzene	11.209	105	1158	0.023	ppbv #	55
74) 1,2,4-Trimethylbenzene	11.539	105	6323	0.117	ppbv #	75
76) 1,4-Dichlorobenzene	11.671	146	1937	0.052	ppbv #	79

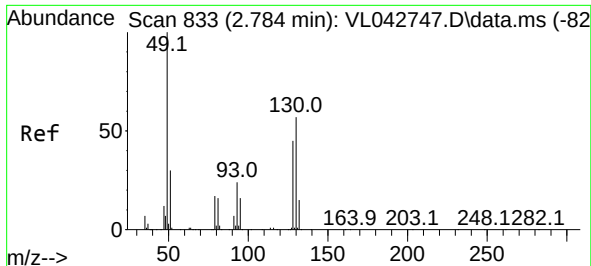
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042806.D
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Quant Time: Aug 05 01:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,2-Dichlorobenzene	11.671	146	1937	0.052	ppbv	83
79) Naphthalene	13.520	128	1344	0.457	ppbv #	79
80) Naphthalene,2-methyl-	14.478	142	81	1.131	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.455	180	30	0.436	ppbv #	1

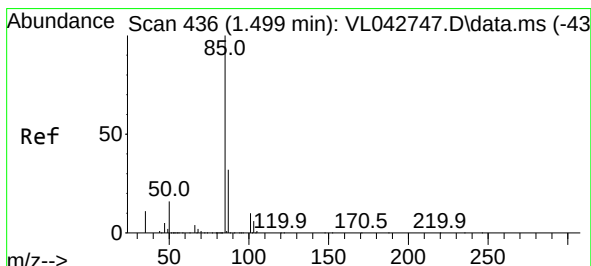
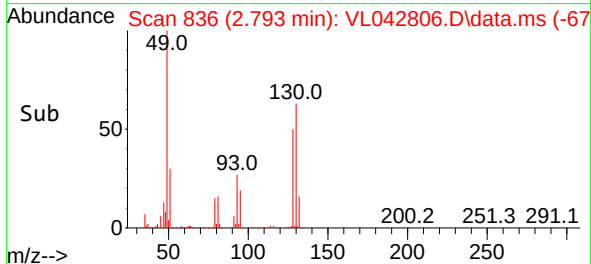
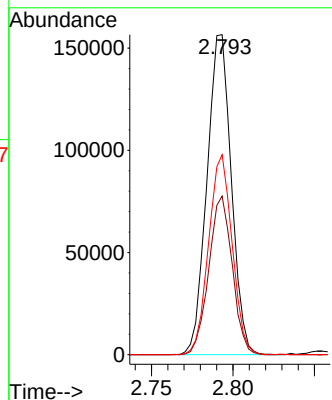
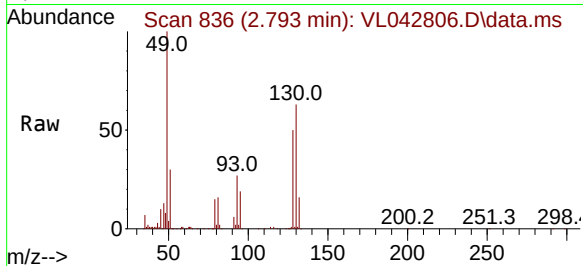
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

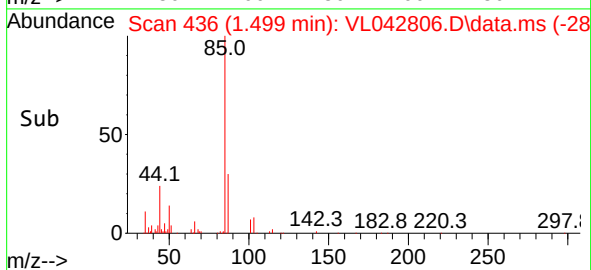
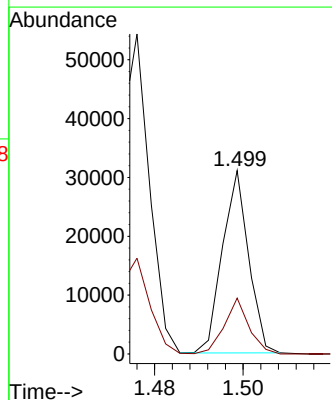
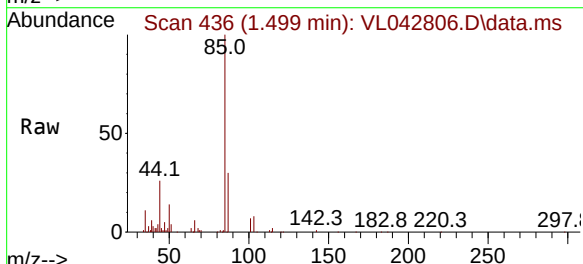
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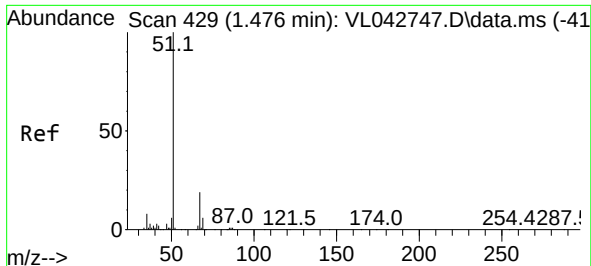
Tgt Ion: 49 Resp: 162780
 Ion Ratio Lower Upper
 49 100
 128 47.7 23.6 71.0
 130 60.5 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.593 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

Tgt Ion: 85 Resp: 12758
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.4 38.2

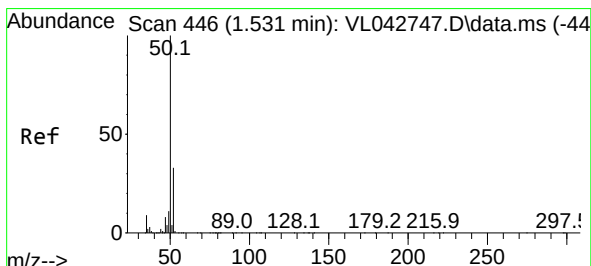
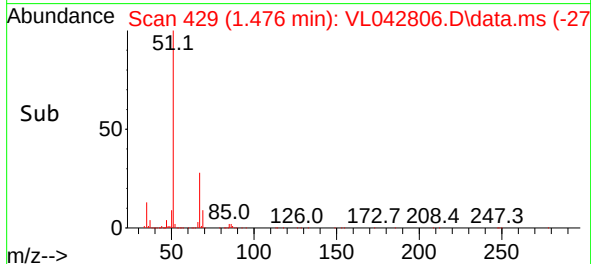
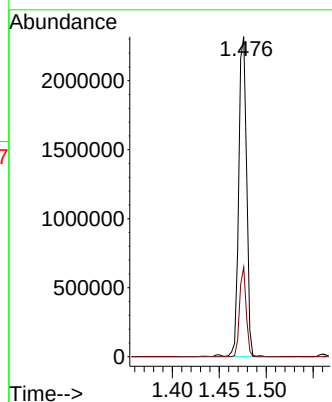
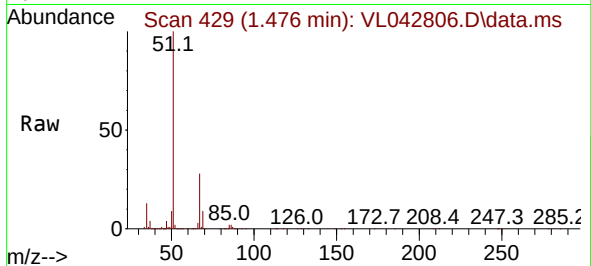




#3
Chlorodifluoromethane
Concen: 48.209 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

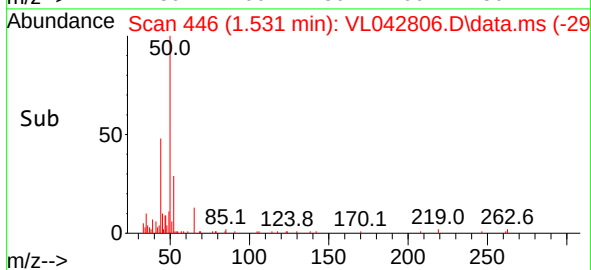
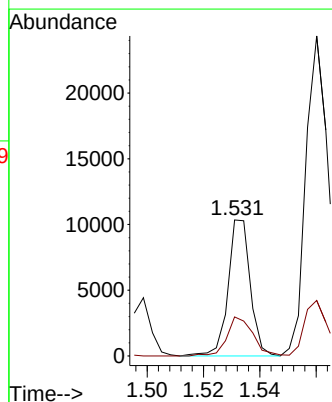
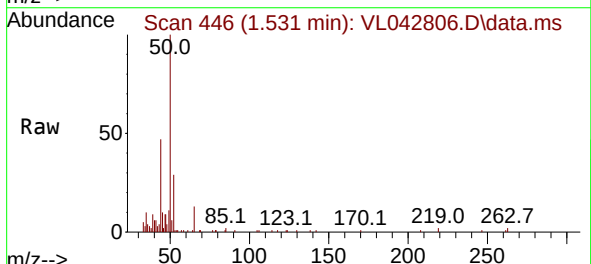
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ClientSampleId :
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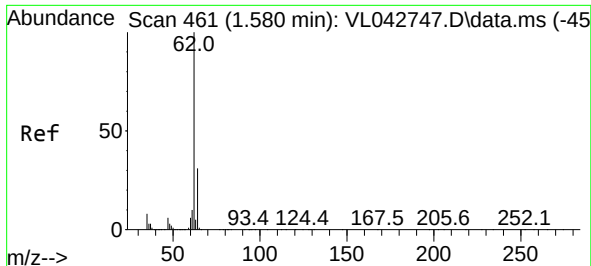
Tgt Ion: 51 Resp: 1351589
Ion Ratio Lower Upper
51 100
67 23.3 15.0 22.6#



#4
Chloromethane
Concen: 0.654 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 50 Resp: 5691
Ion Ratio Lower Upper
50 100
52 28.7 26.6 40.0

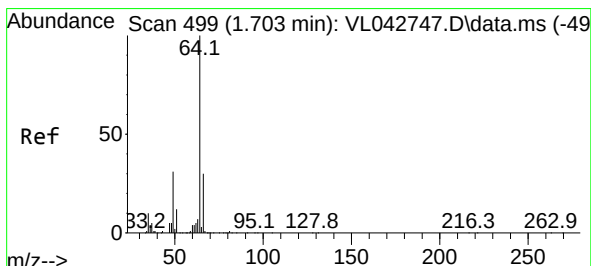
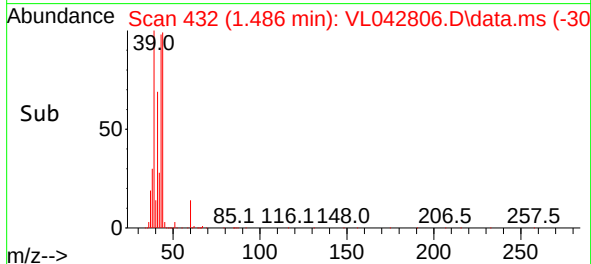
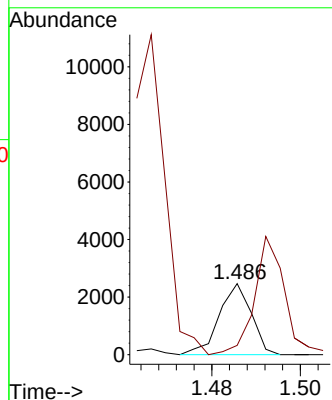
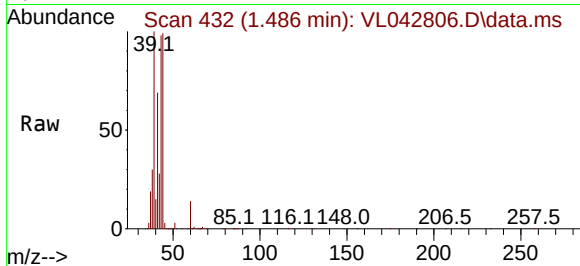




#5
 Vinyl Chloride
 Concen: 0.144 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.094 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

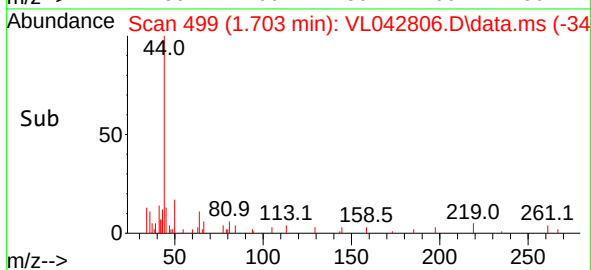
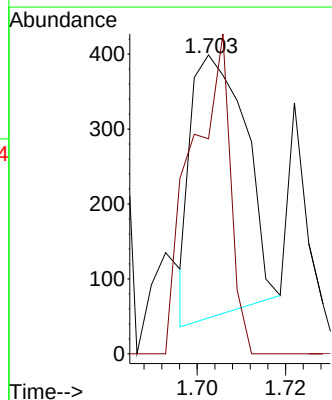
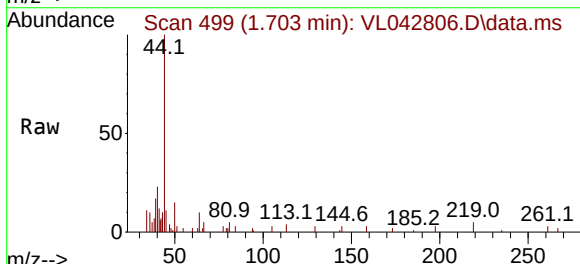
Instrument :
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 ClientSampleId :
 WONDER IA-8

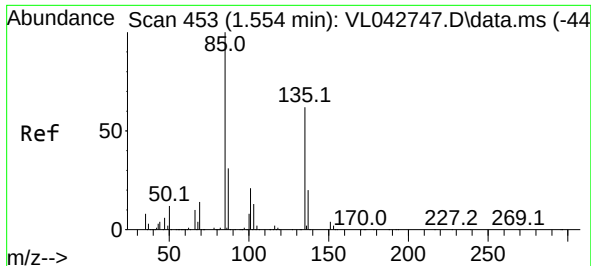
Tgt Ion: 62 Resp: 1241
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#7
 Chloroethane
 Concen: 0.090 ppbv
 RT: 1.703 min Scan# 499
 Delta R.T. -0.000 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

Tgt Ion: 64 Resp: 299
 Ion Ratio Lower Upper
 64 100
 66 71.9 24.1 36.1#

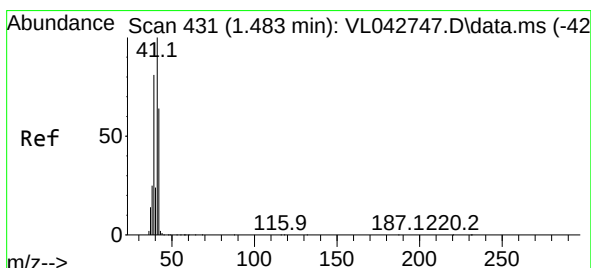
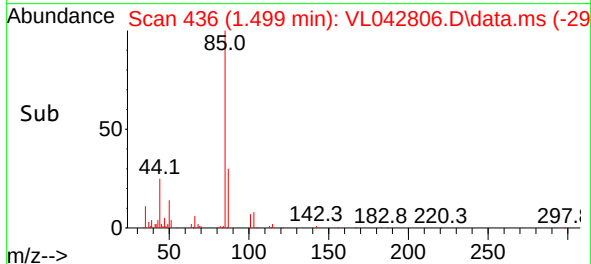
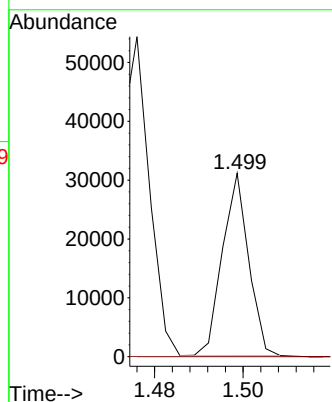
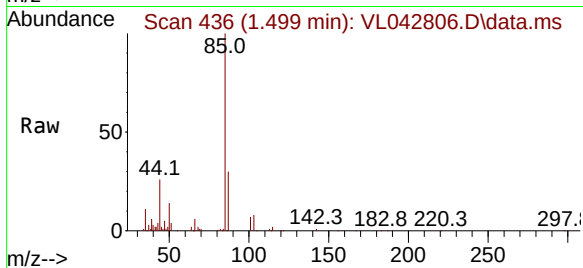




#8
Dichlorotetrafluoroethane
Concen: 0.721 ppbv
RT: 1.499 min Scan# 41
Delta R.T. -0.055 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

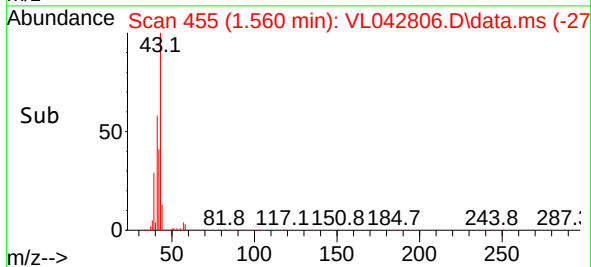
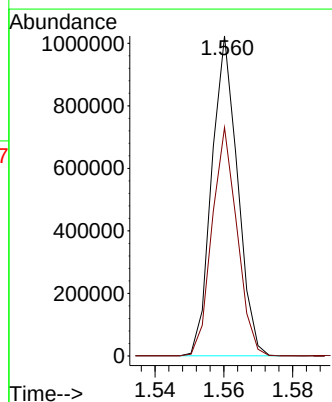
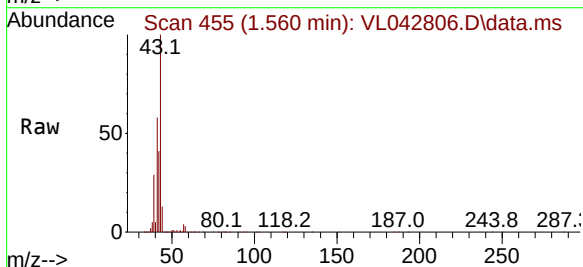
Instrument :
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ClientSampleId :
WONDER IA-8

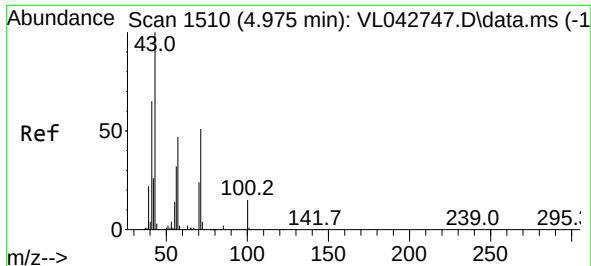
Tgt Ion: 85 Resp: 12758
Ion Ratio Lower Upper
85 100
135 2.3 50.6 76.0#



#9
Propene
Concen: 52.249 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 41 Resp: 532400
Ion Ratio Lower Upper
41 100
42 69.5 53.2 79.8

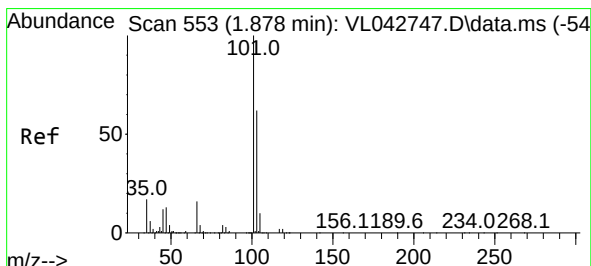
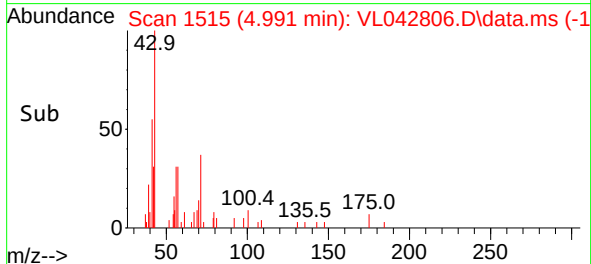
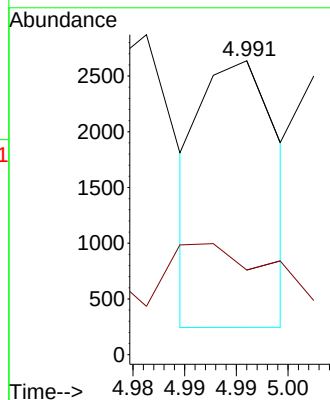
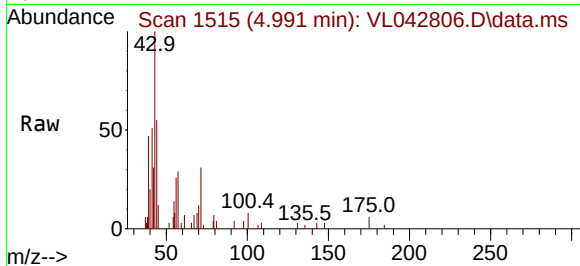




#10
Heptane
Concen: 0.045 ppbv
RT: 4.991 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

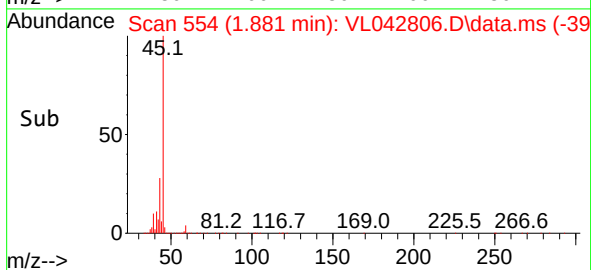
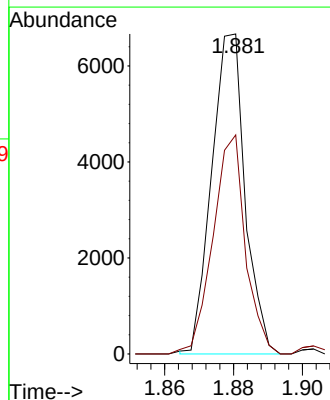
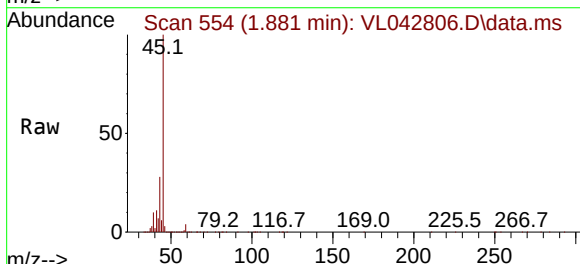
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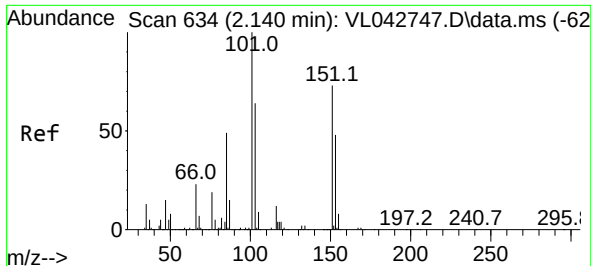
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
57 218.1 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 0.203 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion:101 Resp: 4494
Ion Ratio Lower Upper
101 100
103 68.4 49.6 74.4

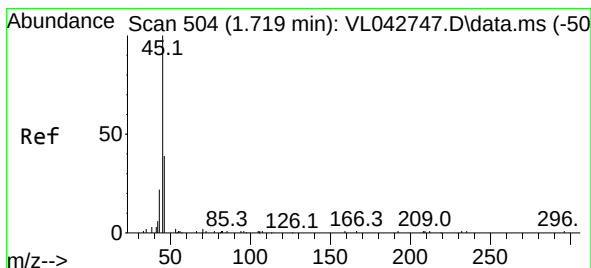
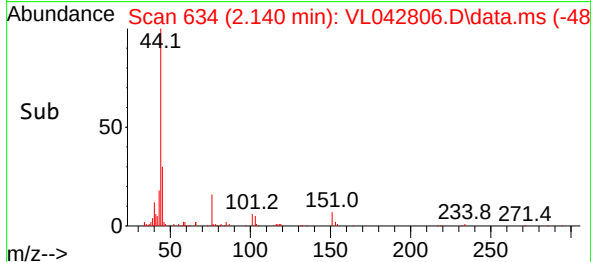
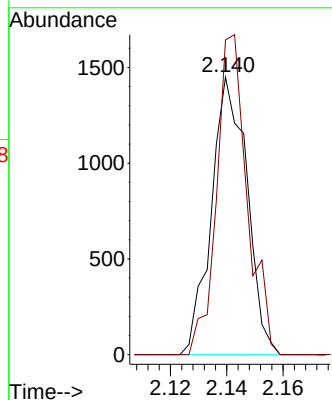
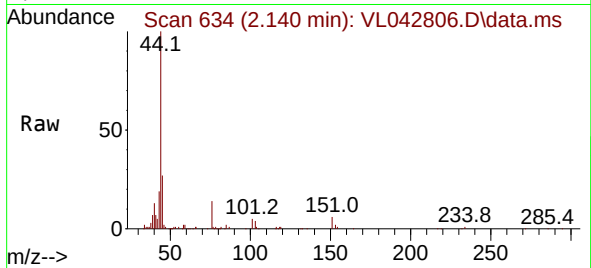




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.076 ppbv
 RT: 2.140 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

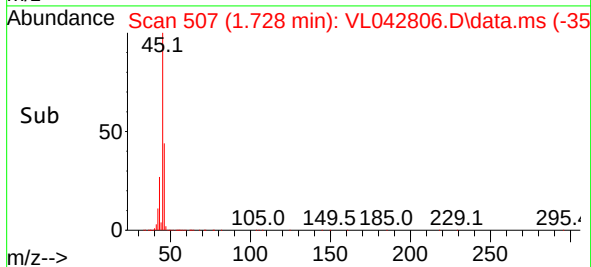
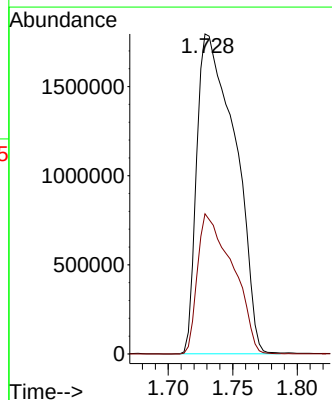
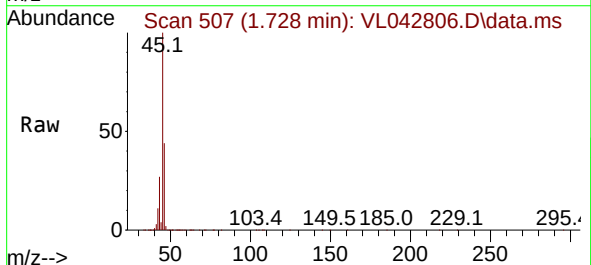
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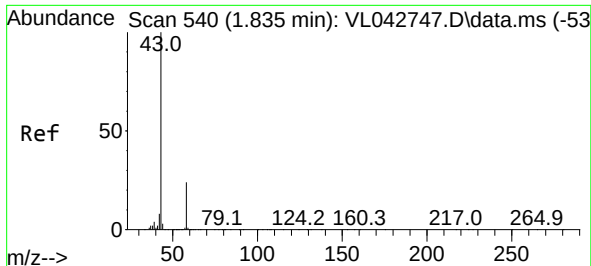
Tgt Ion:101 Resp: 1274
 Ion Ratio Lower Upper
 101 100
 151 99.4 60.5 90.7#



#13
 Ethanol
 Concen: 4986.827 ppbv
 RT: 1.728 min Scan# 507
 Delta R.T. 0.010 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

Tgt Ion: 45 Resp: 3700748
 Ion Ratio Lower Upper
 45 100
 46 40.5 17.8 71.4

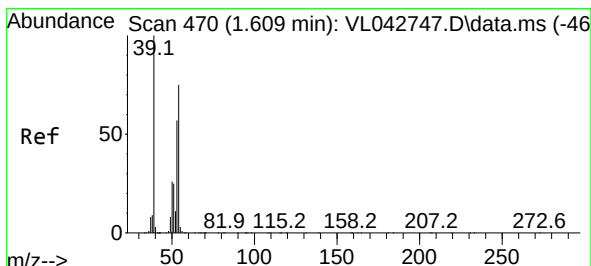
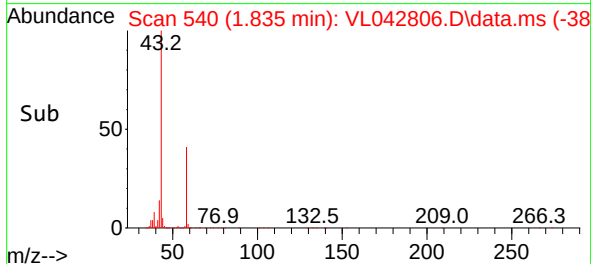
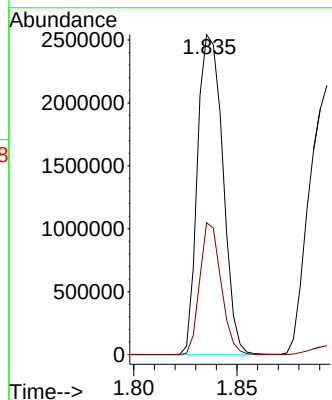
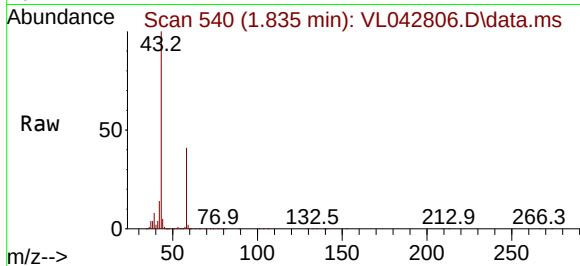




#15
Acetone
Concen: 95.918 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

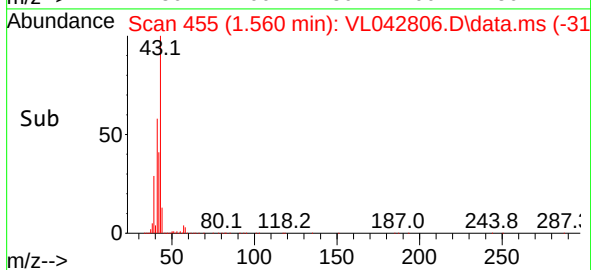
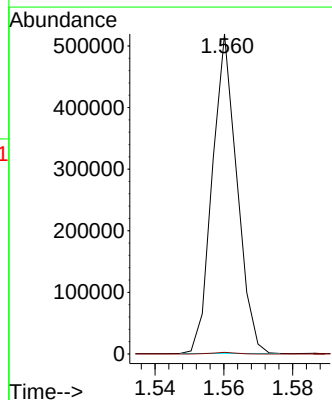
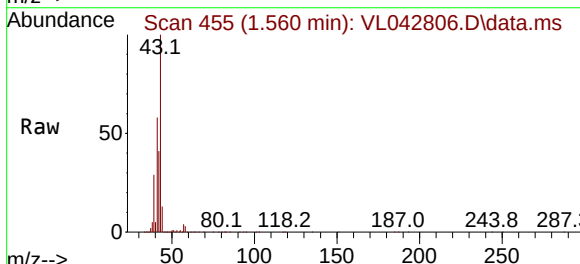
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ClientSampleId :
WONDER IA-8

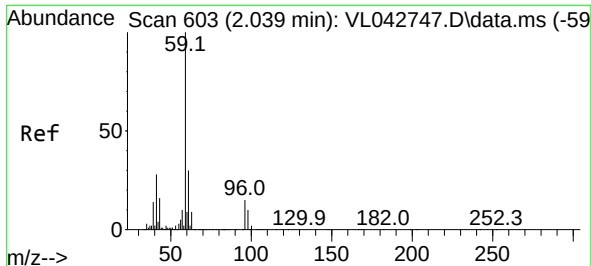
Tgt Ion: 43 Resp: 2155988
Ion Ratio Lower Upper
43 100
58 34.9 19.8 29.8#



#16
1,3-Butadiene
Concen: 26.967 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.049 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 39 Resp: 258545
Ion Ratio Lower Upper
39 100
54 0.5 54.5 81.7#

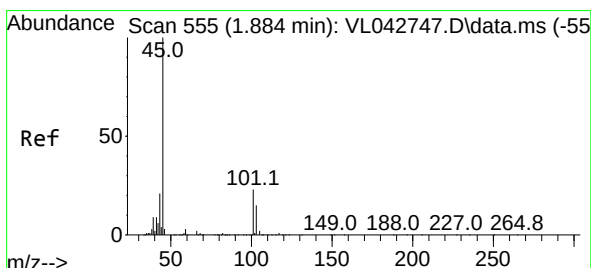
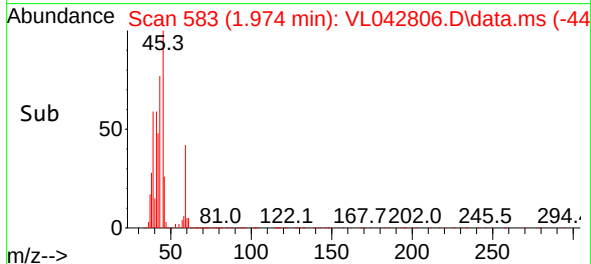
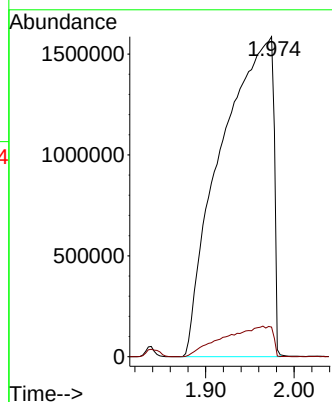
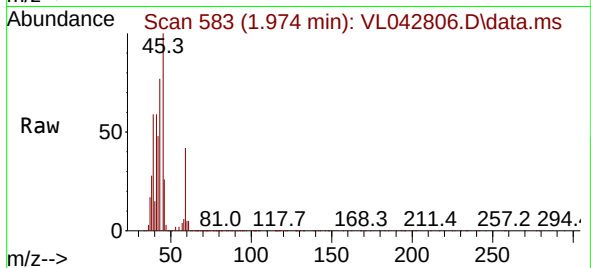




#17
tert-Butyl alcohol
Concen: 319.767 ppbv
RT: 1.974 min Scan# 51
Delta R.T. -0.065 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

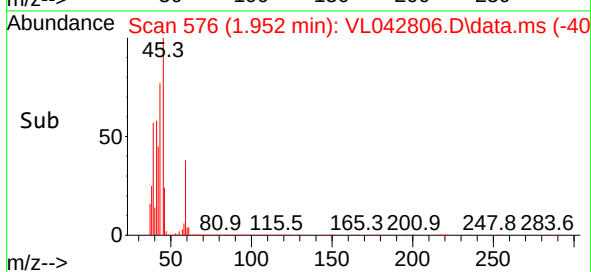
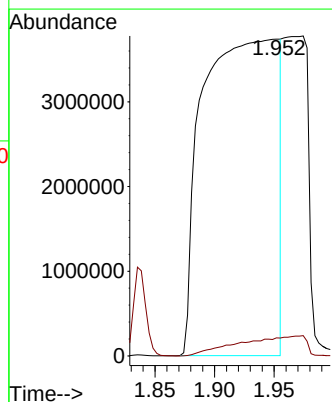
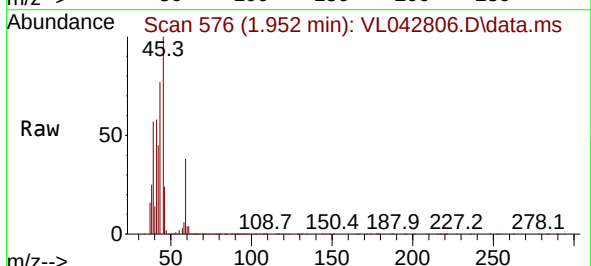
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

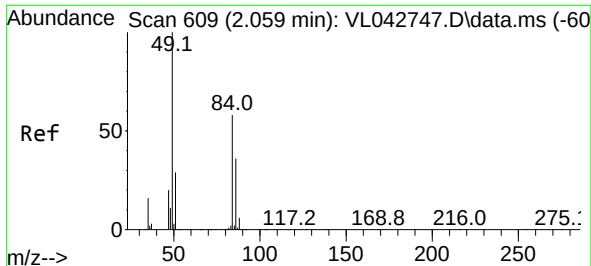
Tgt Ion: 59 Resp: 6482411
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5



#19
Isopropyl Alcohol
Concen: 1360.710 ppbv
RT: 1.952 min Scan# 576
Delta R.T. 0.068 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 45 Resp: 16253330
Ion Ratio Lower Upper
45 100
58 0.0 30.0 45.0#

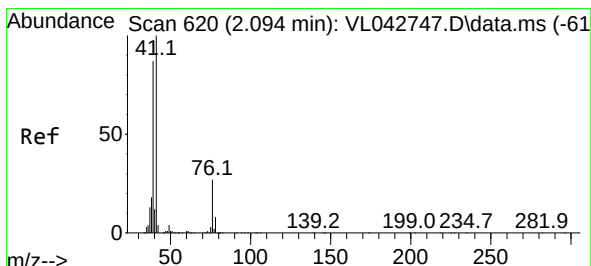
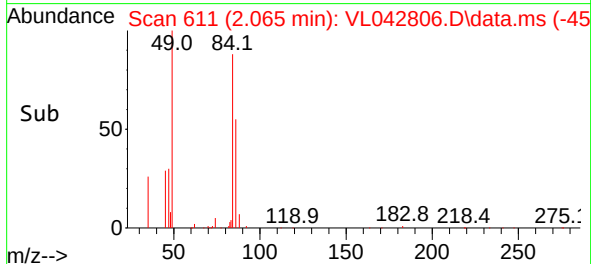
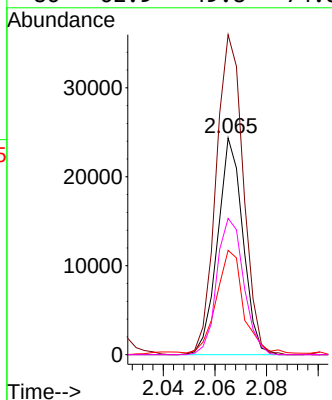
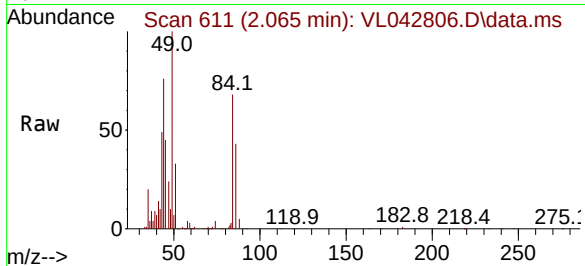




#20
Methylene Chloride
Concen: 2.345 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

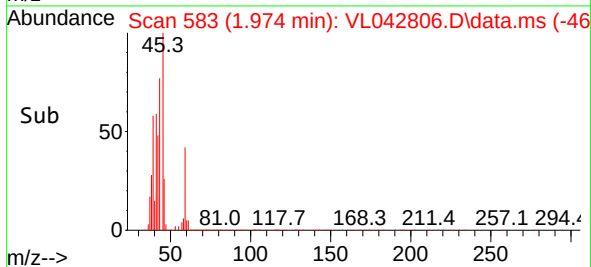
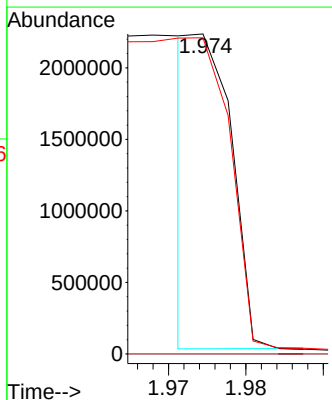
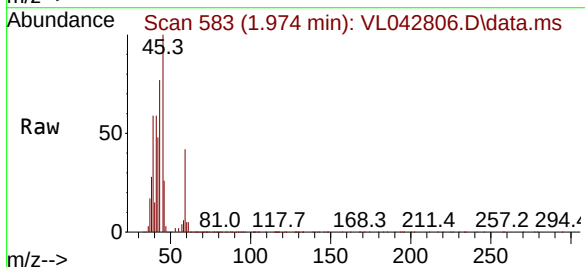
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

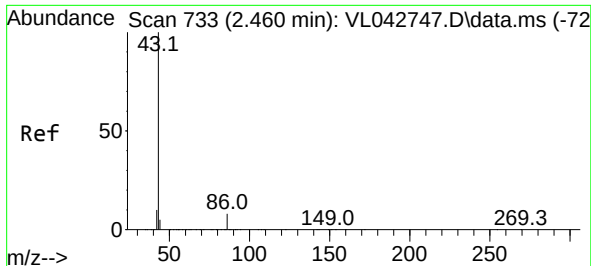
Tgt Ion: 84 Resp: 16608
Ion Ratio Lower Upper
84 100
49 147.6 138.6 208.0
51 46.9 40.6 61.0
86 62.9 49.8 74.8



#21
Allyl Chloride
Concen: 56.084 ppbv
RT: 1.974 min Scan# 583
Delta R.T. -0.120 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 41 Resp: 776946
Ion Ratio Lower Upper
41 100
76 6.0 21.1 31.7#
39 1326.7 68.3 102.5#

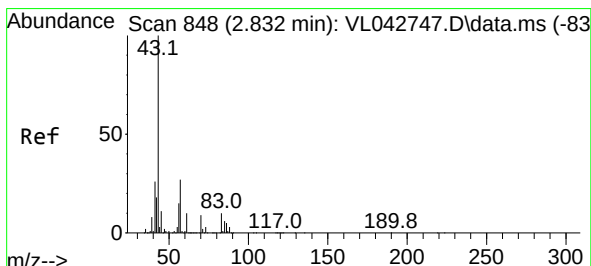
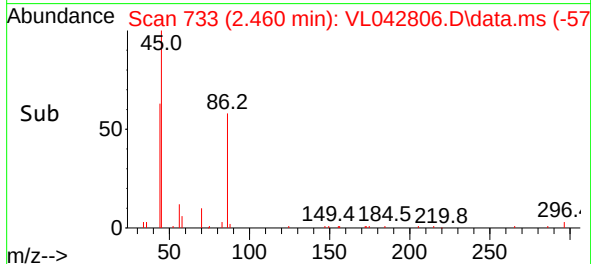
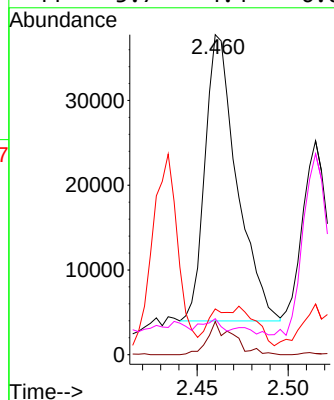
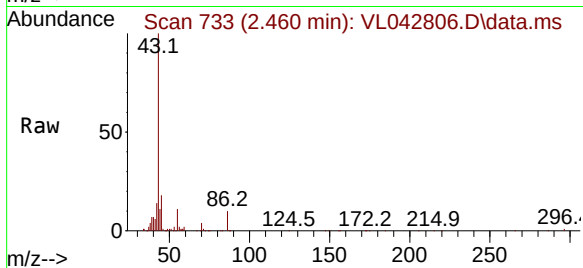




#23
 Vinyl Acetate
 Concen: 1.510 ppbv
 RT: 2.460 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

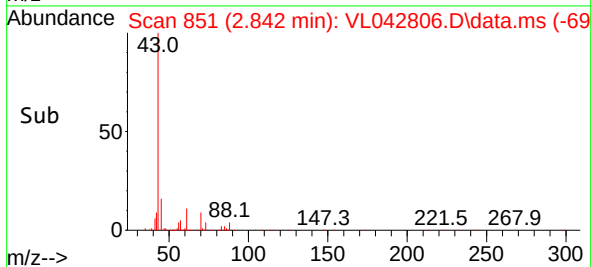
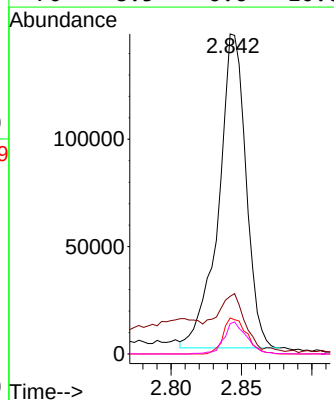
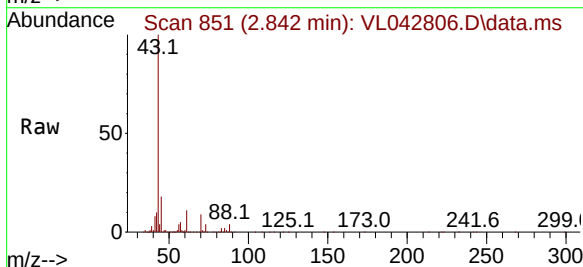
Instrument :
 MSVOA_1
 ClientSampleId :
 WONDER IA-8

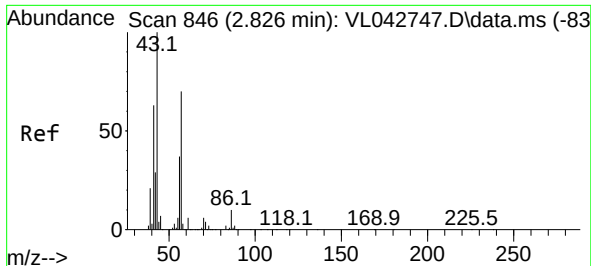
Tgt Ion:	43	Resp:	41161
Ion	Ratio	Lower	Upper
43	100		
86	11.6	6.1	9.1#
42	11.5	7.8	11.8
44	3.7	4.4	6.6#



#25
 Ethyl Acetate
 Concen: 3.983 ppbv
 RT: 2.842 min Scan# 851
 Delta R.T. 0.010 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

Tgt Ion:	43	Resp:	198191
Ion	Ratio	Lower	Upper
43	100		
45	50.1	7.8	11.6#
61	9.8	6.7	10.1
70	8.5	6.6	10.0

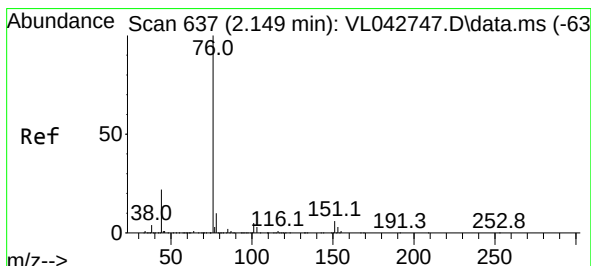
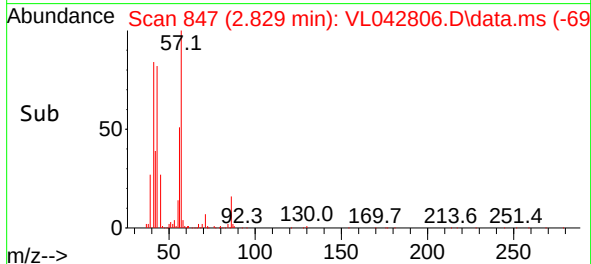
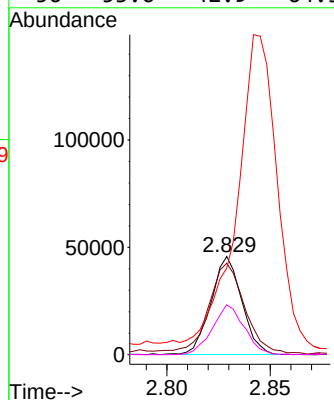
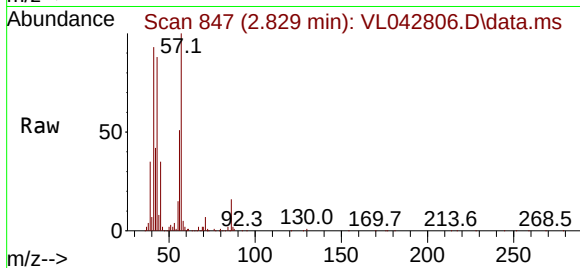




#26
Hexane
Concen: 2.163 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

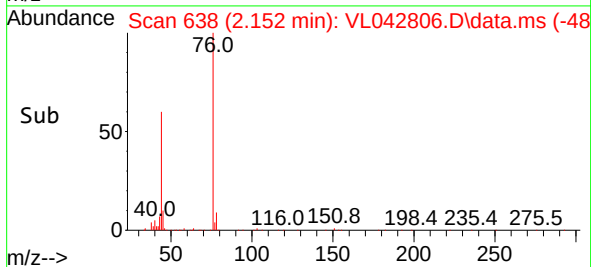
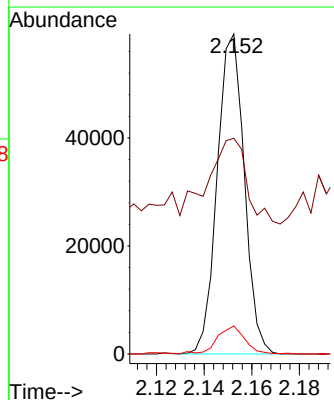
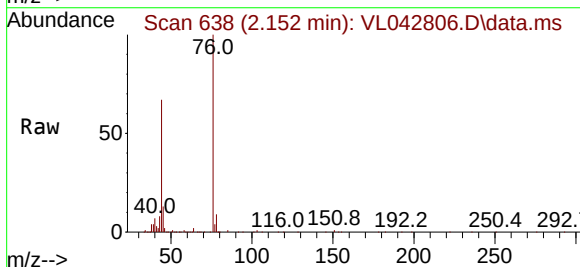
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

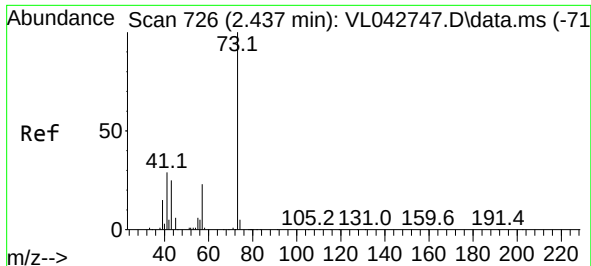
Tgt Ion: 57	Resp: 47214		
Ion	Ratio	Lower	Upper
57	100		
41	112.6	75.4	113.2
43	491.6	185.0	277.6#
56	53.6	42.9	64.3



#27
Carbon Disulfide
Concen: 2.499 ppbv
RT: 2.152 min Scan# 638
Delta R.T. 0.003 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 76		Resp: 46700	
Ion	Ratio	Lower	Upper
76	100		
44	0.0	19.3	28.9#
78	9.3	9.9	14.9#

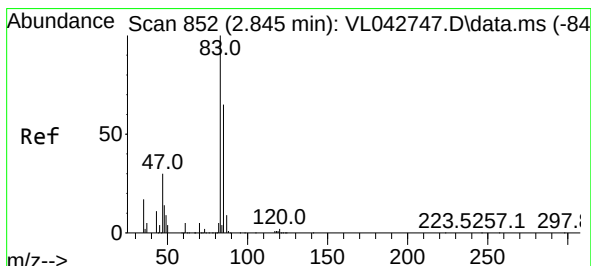
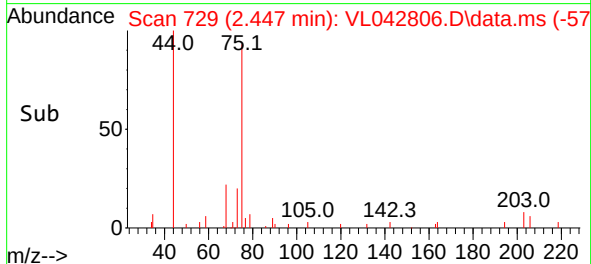
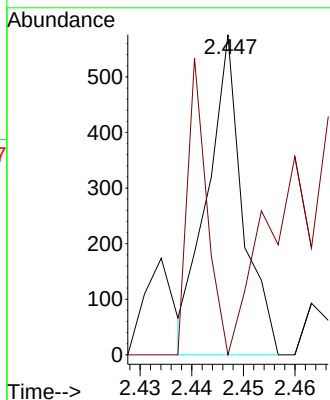
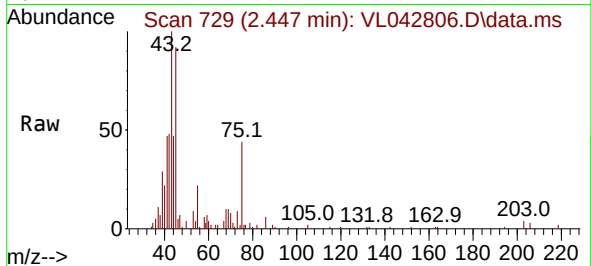




#28
Methyl tert-Butyl Ether
Concen: 0.026 ppbv
RT: 2.447 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

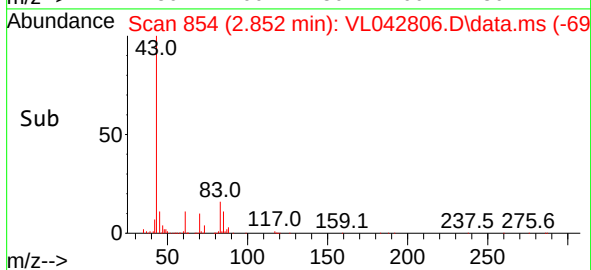
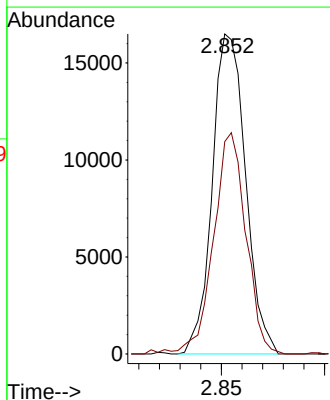
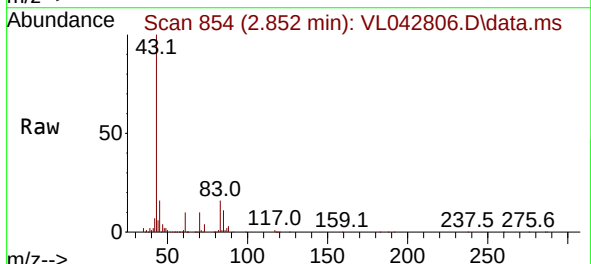
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

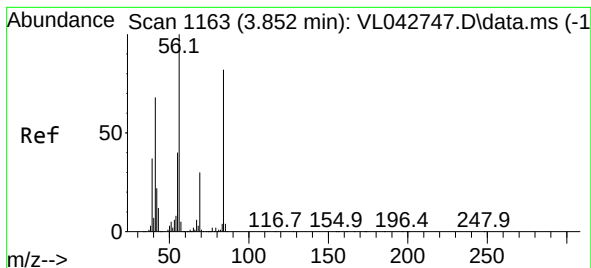
Tgt Ion: 73 Resp: 273
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#



#29
Chloroform
Concen: 0.548 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 83 Resp: 18480
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.2





#30

Cyclohexane

Concen: 0.032 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.016 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_1

ClientSampleId :

WONDER IA-8

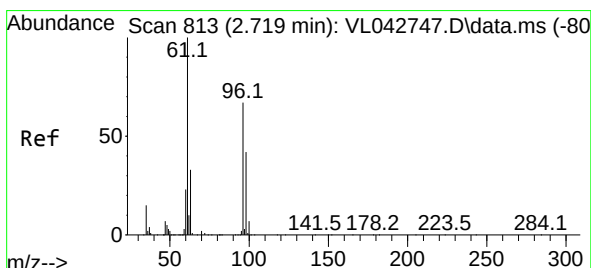
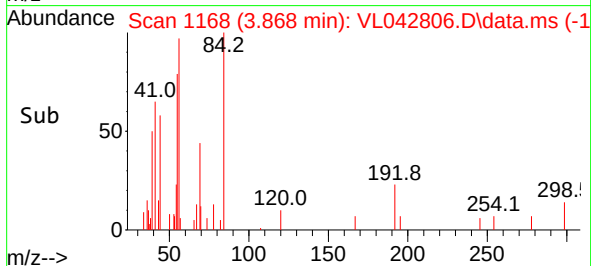
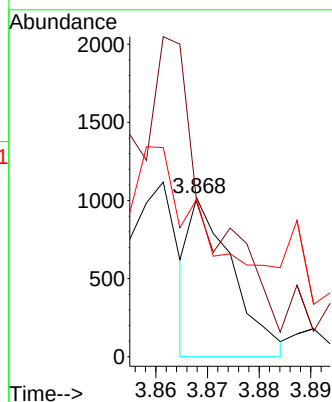
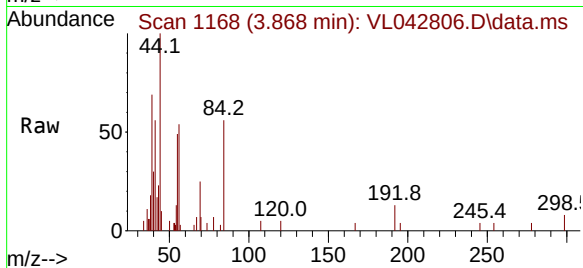
Tgt Ion: 84 Resp: 589

Ion Ratio Lower Upper

84 100

56 0.0 97.5 146.3#

41 0.0 67.2 100.8#



#31

cis-1,2-Dichloroethene

Concen: 0.868 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.123 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

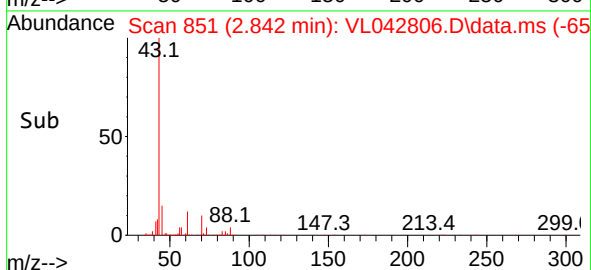
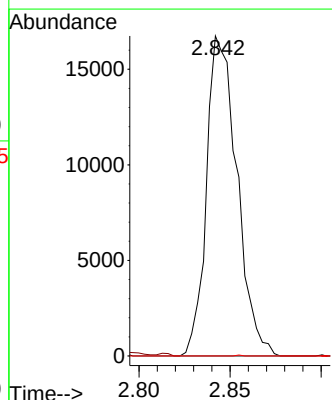
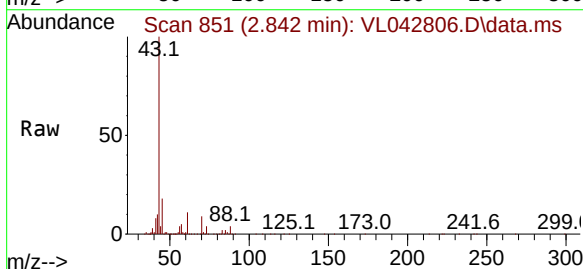
Tgt Ion: 61 Resp: 19473

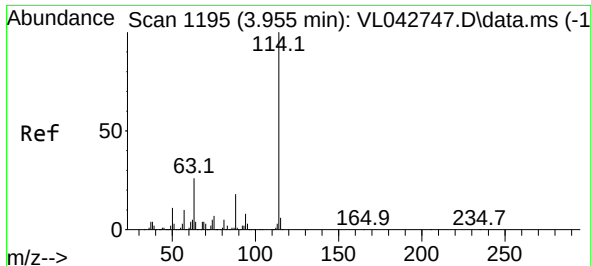
Ion Ratio Lower Upper

61 100

96 0.0 53.5 80.3#

98 0.0 33.6 50.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_1

ClientSampleId :

WONDER IA-8

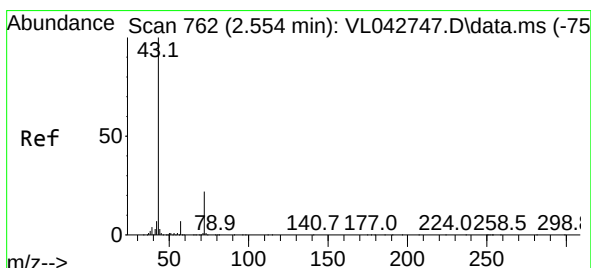
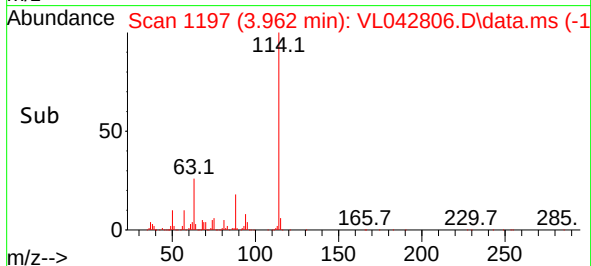
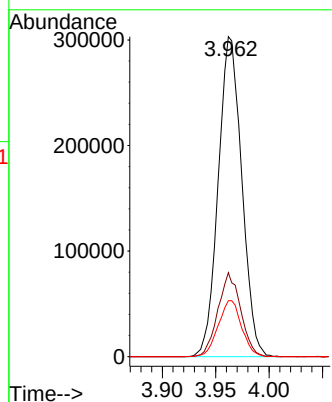
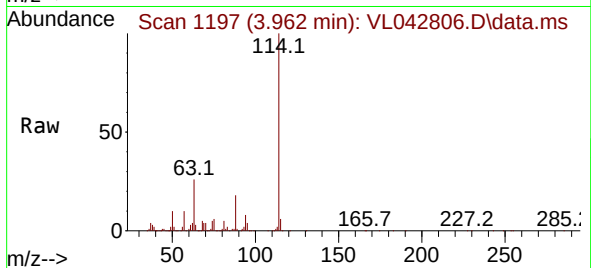
Tgt Ion:114 Resp: 464881

Ion Ratio Lower Upper

114 100

63 25.4 20.5 30.7

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 1.012 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042806.D

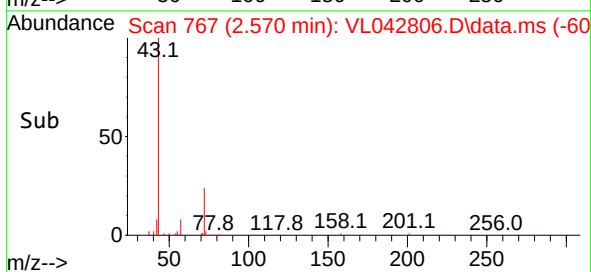
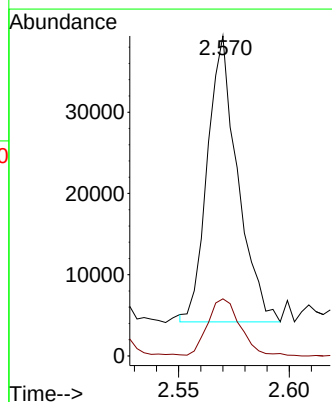
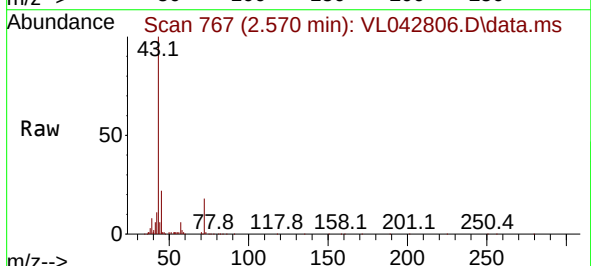
Acq: 04 Aug 2025 15:44

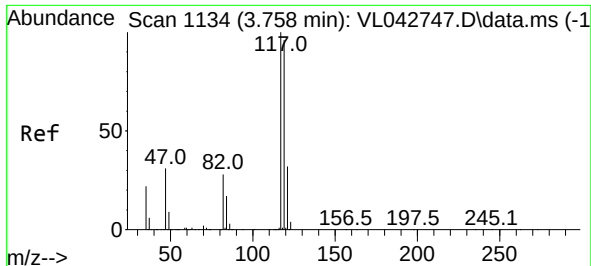
Tgt Ion: 43 Resp: 33339

Ion Ratio Lower Upper

43 100

72 21.2 17.4 26.0

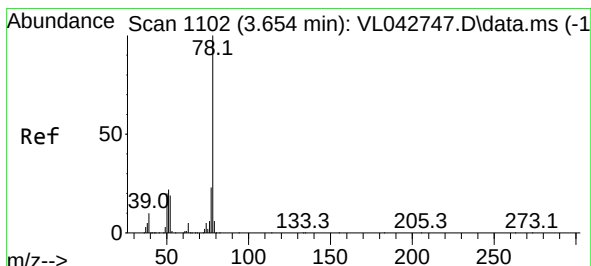
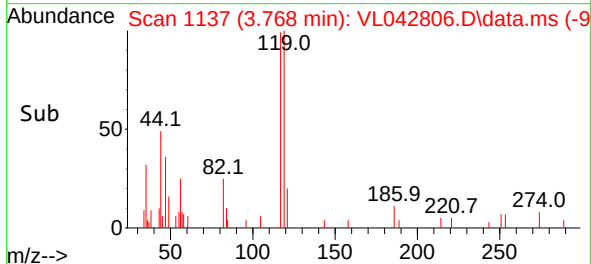
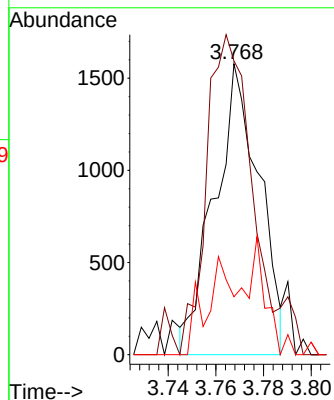
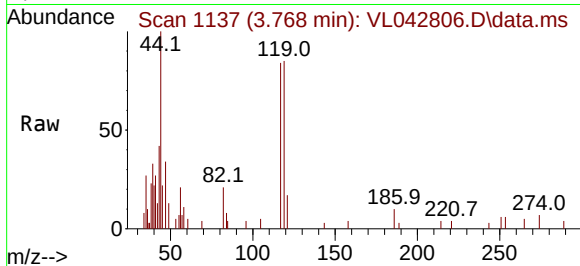




#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

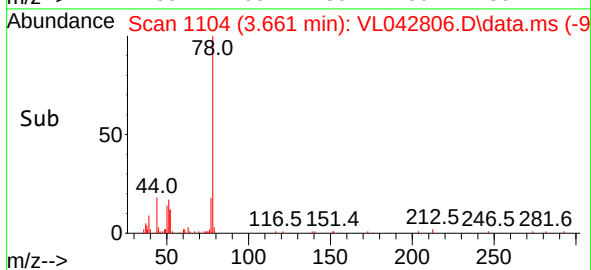
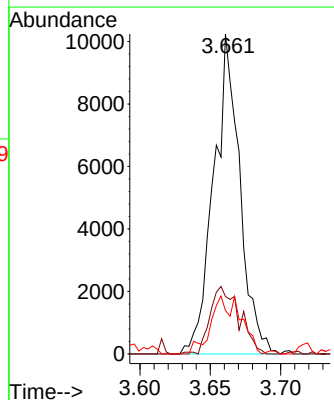
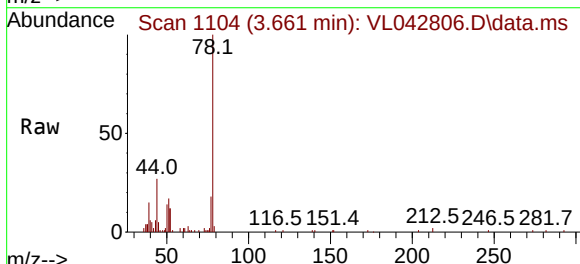
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

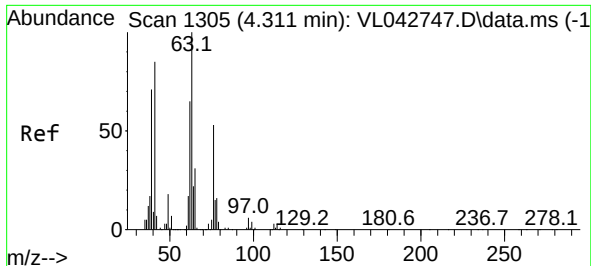
Tgt Ion:117 Resp: 2055
Ion Ratio Lower Upper
117 100
119 111.5 77.1 115.7
121 22.0 25.5 38.3#



#36
Benzene
Concen: 0.300 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 78 Resp: 13222
Ion Ratio Lower Upper
78 100
77 17.9 18.5 27.7#
50 13.5 16.2 24.2#





#39

1,2-Dichloropropane

Concen: 7.232 ppbv

RT: 3.962 min Scan# 1176

Delta R.T. -0.350 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-8

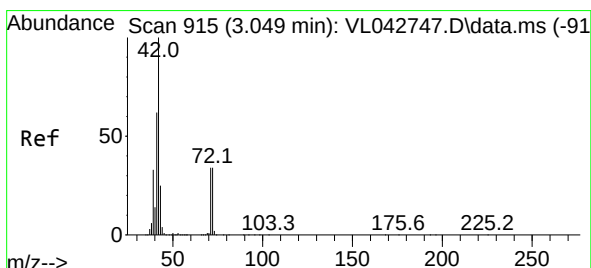
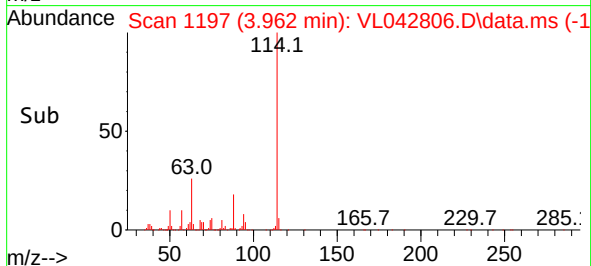
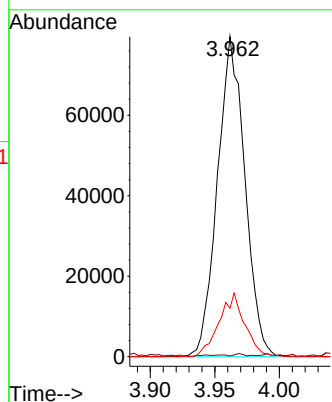
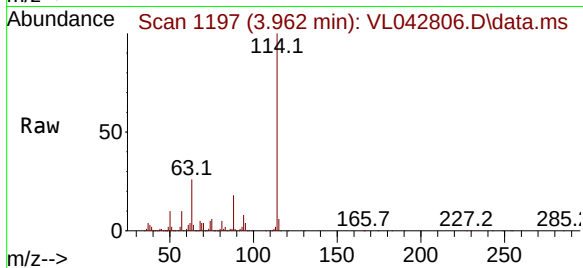
Tgt Ion: 63 Resp: 117616

Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 15.2 52.0 78.0#



#41

Tetrahydrofuran

Concen: 0.070 ppbv

RT: 3.065 min Scan# 920

Delta R.T. 0.016 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

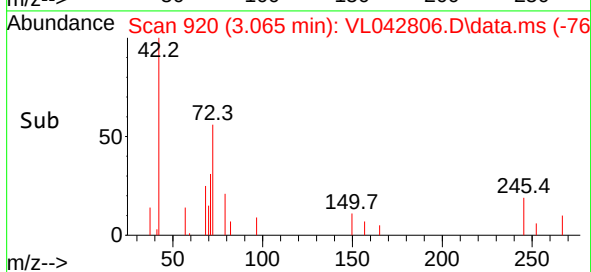
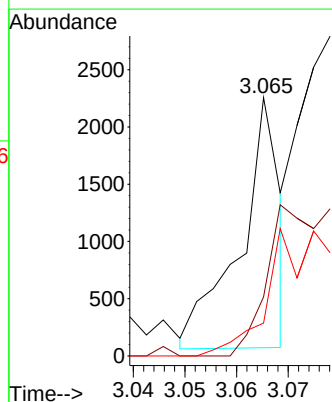
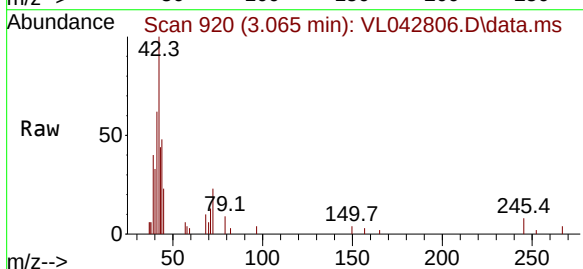
Tgt Ion: 42 Resp: 1171

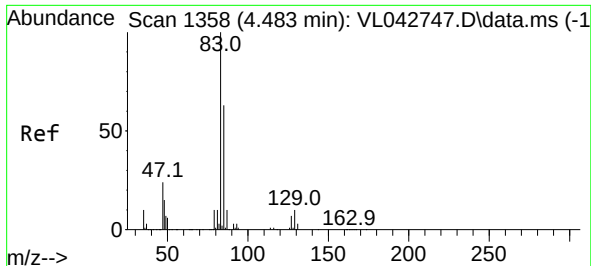
Ion Ratio Lower Upper

42 100

72 137.4 30.9 46.3#

71 117.3 28.6 43.0#

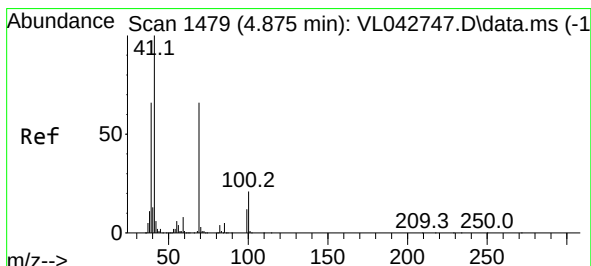
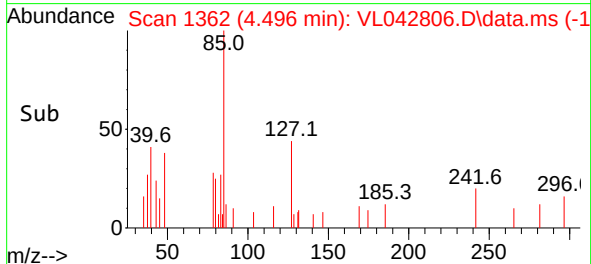
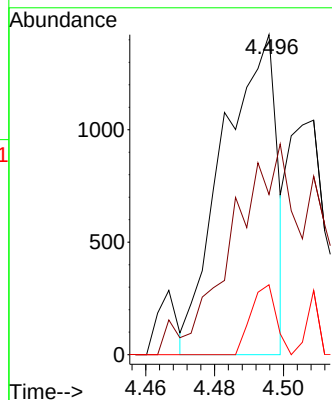
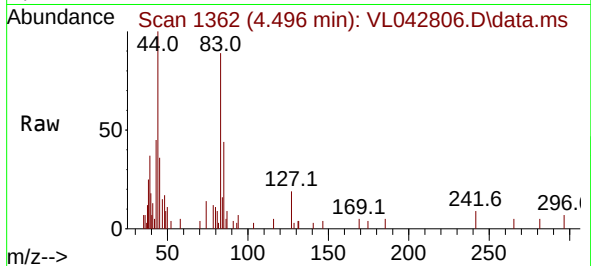




#42
Bromodichloromethane
Concen: 0.045 ppbv
RT: 4.496 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

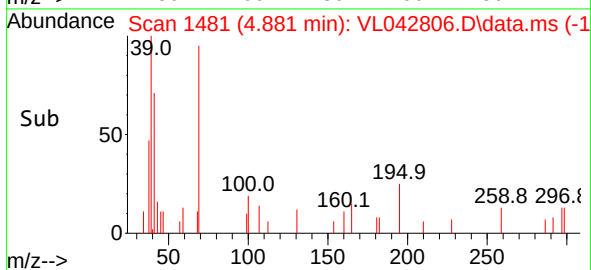
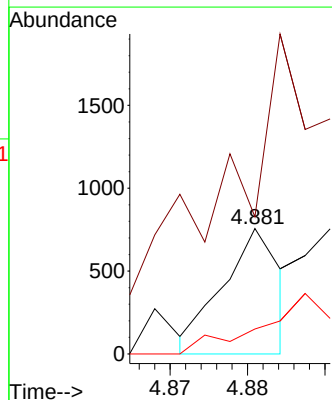
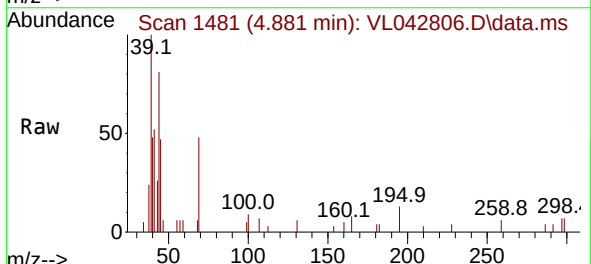
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

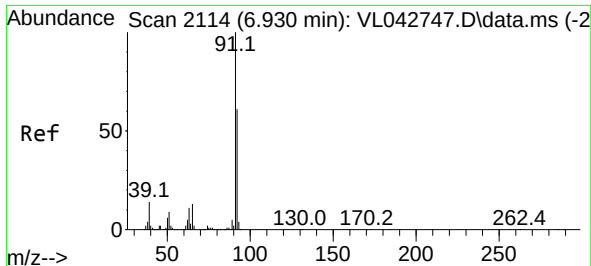
Tgt Ion: 83 Resp: 1555
Ion Ratio Lower Upper
83 100
85 48.0 50.2 75.4#
127 23.4 5.4 8.2#



#43
Methyl Methacrylate
Concen: 0.025 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 966.0 125.7 188.5#
100 0.0 28.6 42.8#





#53

Toluene

Concen: 0.662 ppbv

RT: 6.943 min Scan# 2118

Delta R.T. 0.013 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_L

ClientSampleId :

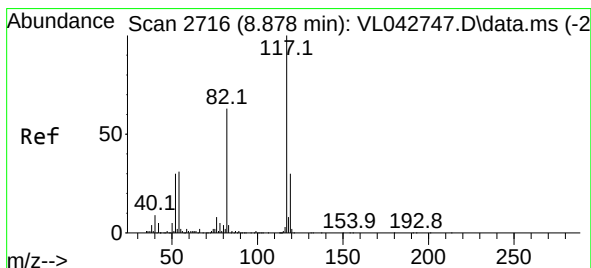
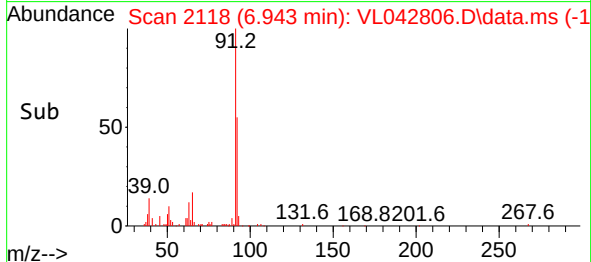
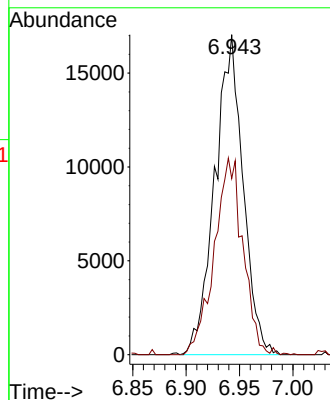
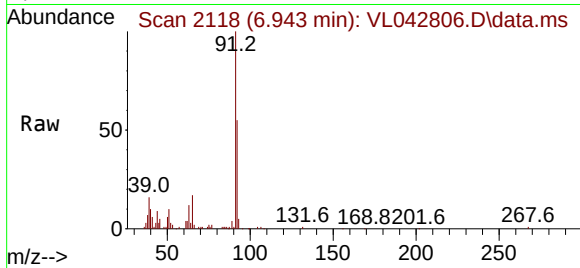
WONDER IA-8

Tgt Ion: 91 Resp: 31303

Ion Ratio Lower Upper

91 100

92 62.7 48.0 72.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

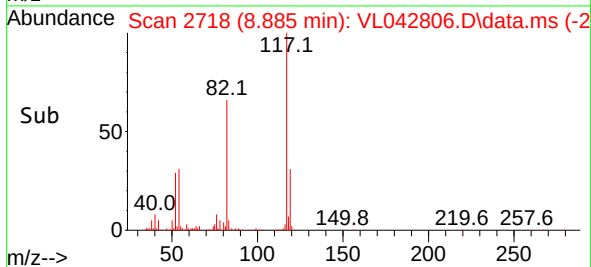
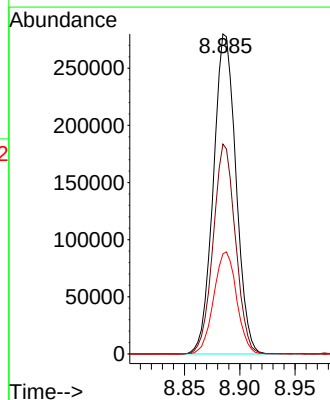
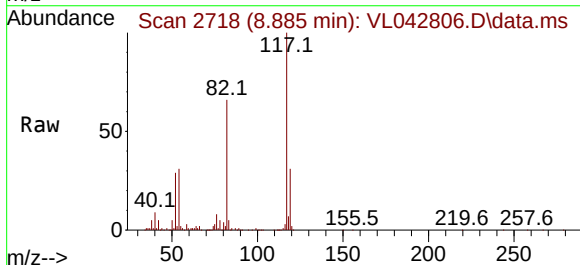
Tgt Ion: 117 Resp: 398366

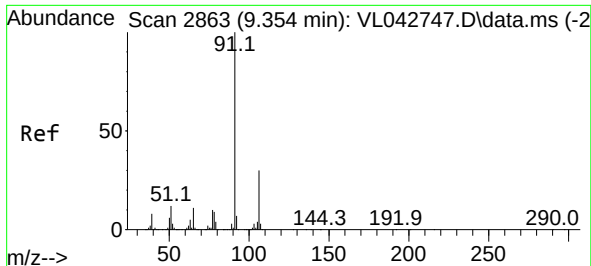
Ion Ratio Lower Upper

117 100

82 64.7 53.3 79.9

119 32.5 25.8 38.6

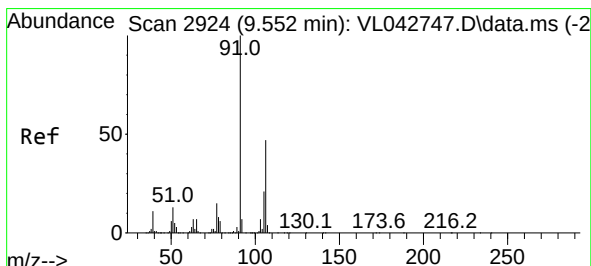
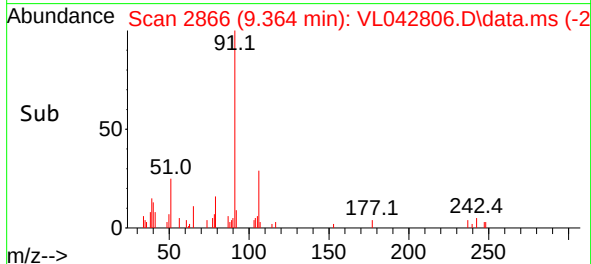
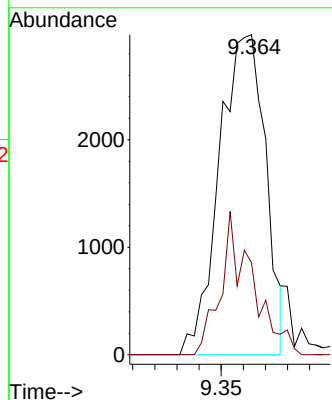
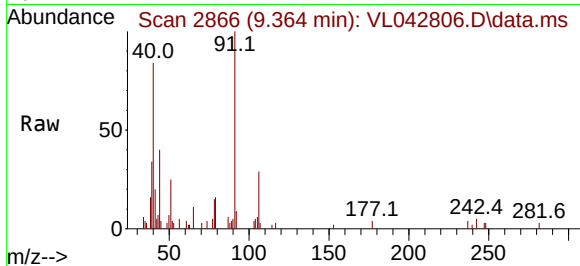




#58
Ethyl Benzene
Concen: 0.069 ppbv
RT: 9.364 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

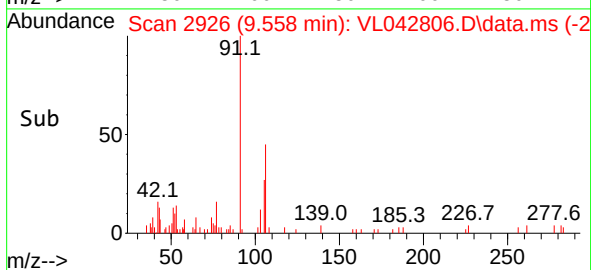
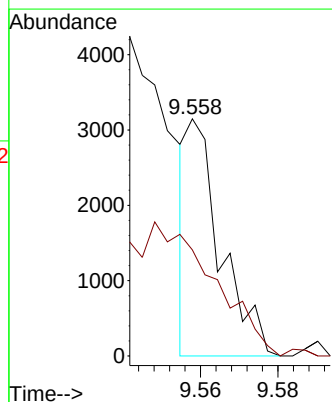
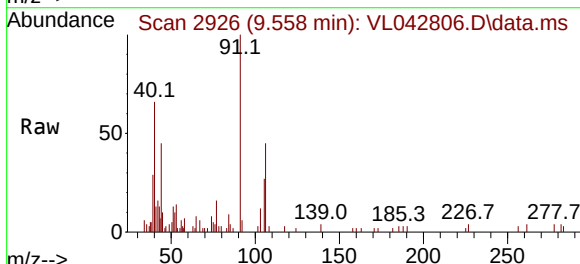
Instrument :
MSVOA_1
ClientSampleId :
WONDER IA-8

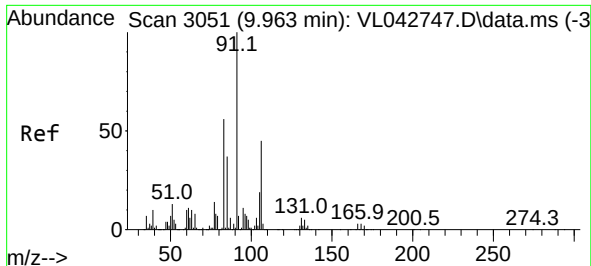
Tgt Ion: 91 Resp: 4328
Ion Ratio Lower Upper
91 100
106 28.6 23.8 35.6



#59
m/p-Xylene
Concen: 0.037 ppbv
RT: 9.558 min Scan# 2926
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 91 Resp: 1884
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

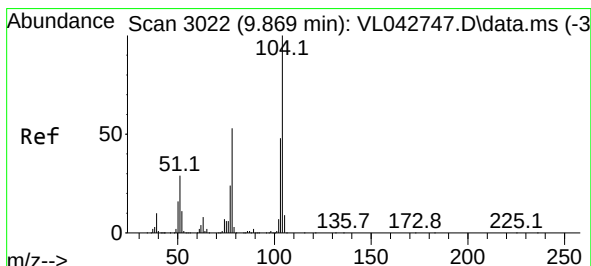
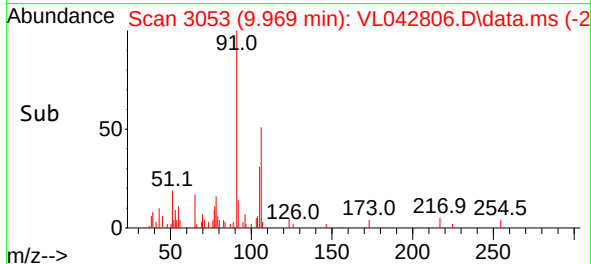
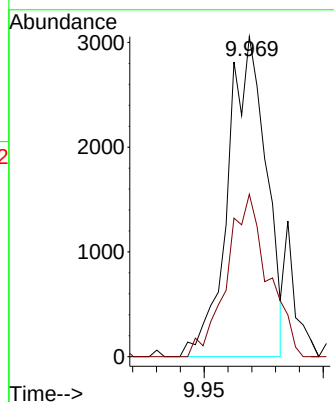
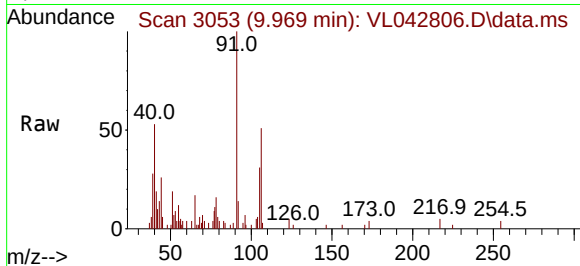




#60
o-Xylene
Concen: 0.068 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

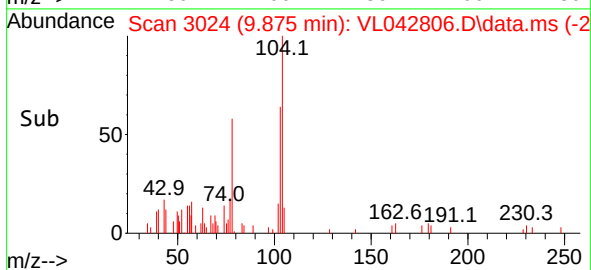
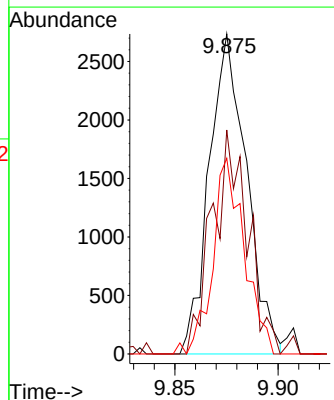
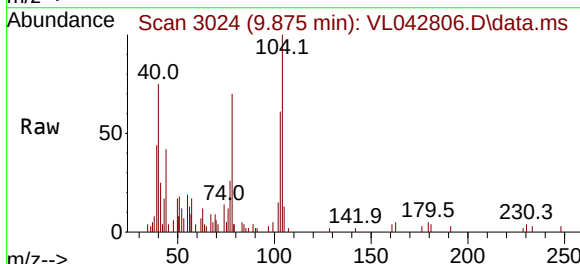
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

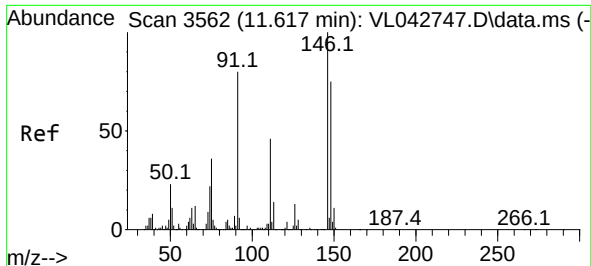
Tgt Ion: 91 Resp: 3412
Ion Ratio Lower Upper
91 100
106 56.0 22.0 66.0



#61
Styrene
Concen: 0.163 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 104 Resp: 3442
Ion Ratio Lower Upper
104 100
78 67.5 41.5 62.3#
103 51.6 37.5 56.3

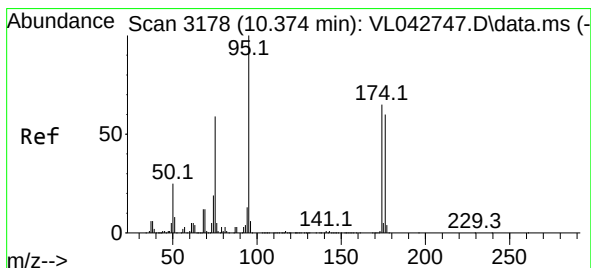
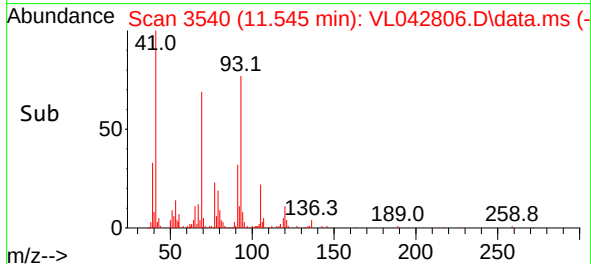
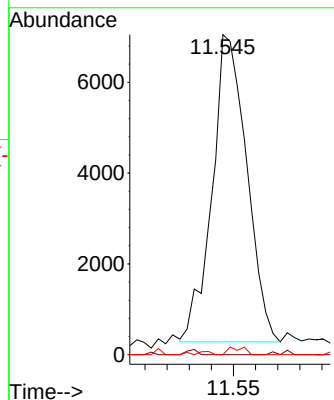
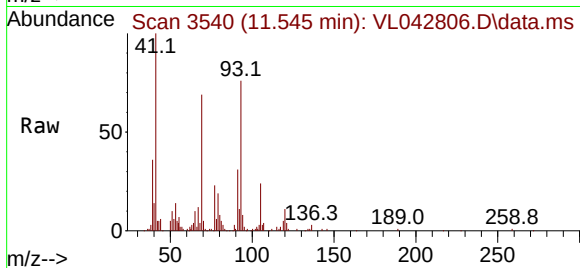




#66
Benzyl Chloride
Concen: 1.360 ppbv
RT: 11.545 min Scan# 3180
Delta R.T. -0.071 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

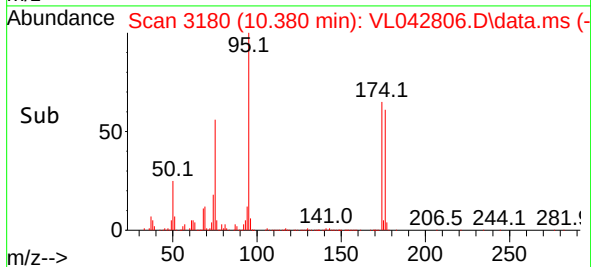
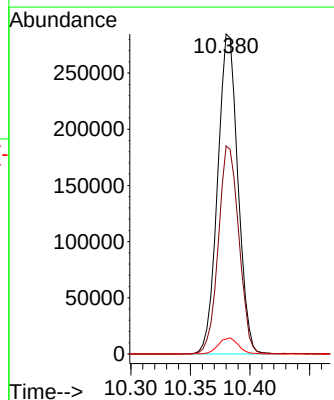
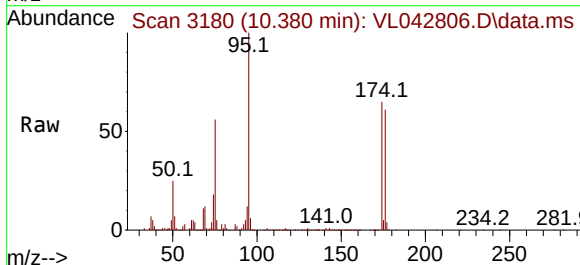
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

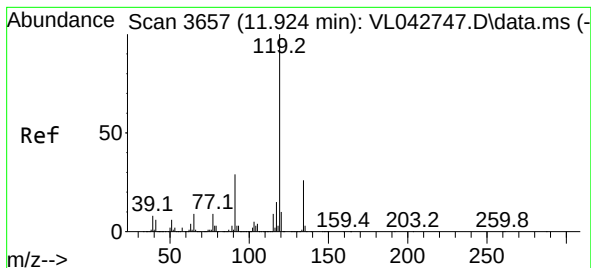
Tgt Ion: 91 Resp: 7350
Ion Ratio Lower Upper
91 100
126 0.7 14.4 21.6#
128 1.5 5.2 7.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.648 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion: 95 Resp: 335920
Ion Ratio Lower Upper
95 100
174 65.9 53.8 80.6
175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.590 ppbv

RT: 11.930 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_L

ClientSampleId :

WONDER IA-8

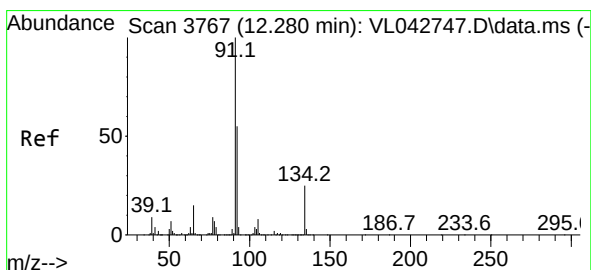
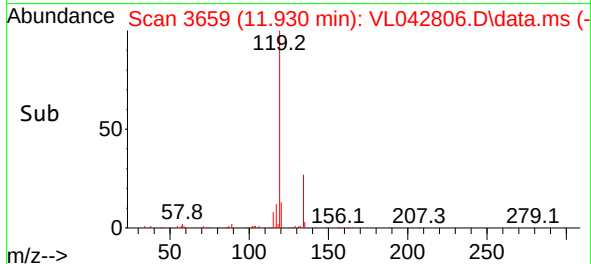
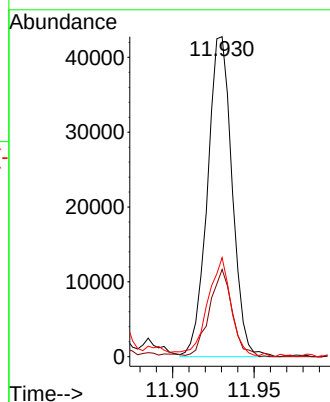
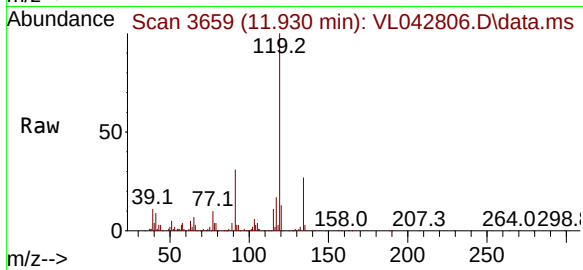
Tgt Ion:119 Resp: 45031

Ion Ratio Lower Upper

119 100

134 25.5 20.6 31.0

91 30.4 23.2 34.8



#70

n-Butylbenzene

Concen: 0.188 ppbv

RT: 12.348 min Scan# 3788

Delta R.T. 0.068 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

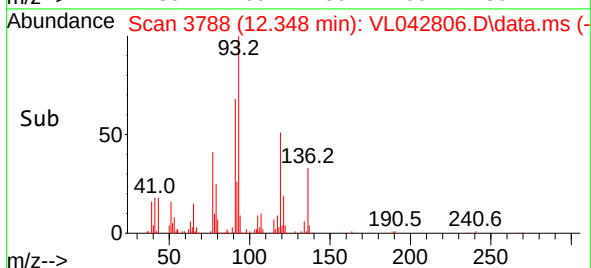
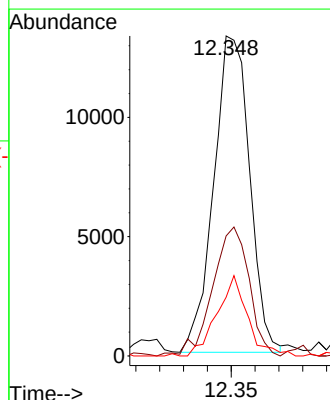
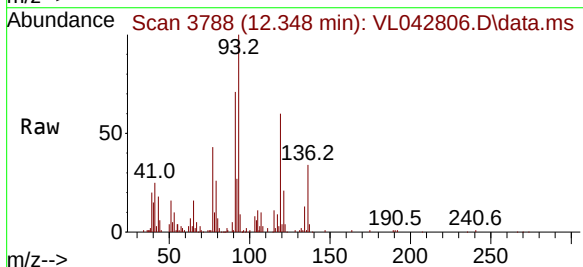
Tgt Ion: 91 Resp: 13894

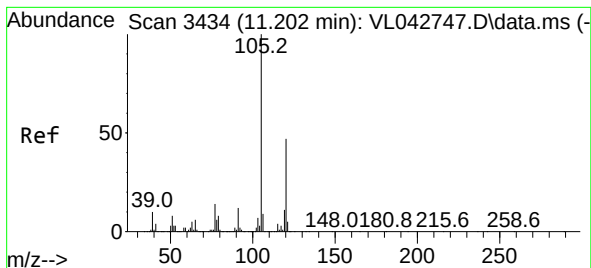
Ion Ratio Lower Upper

91 100

92 42.8 43.4 65.2#

134 21.6 19.6 29.4





#73

1,3,5-Trimethylbenzene

Concen: 0.023 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Instrument :

MSVOA_1

ClientSampleId :

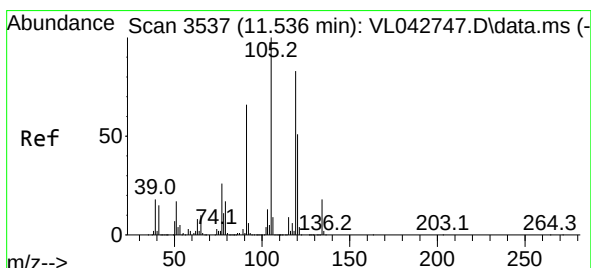
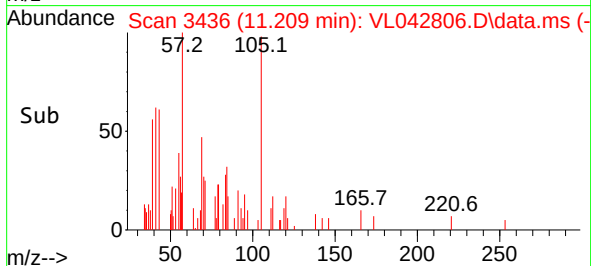
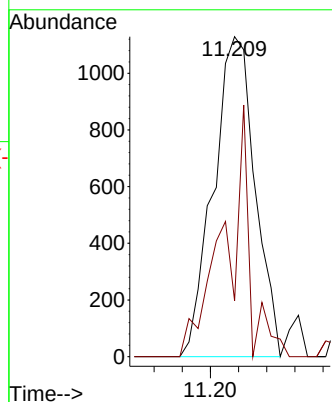
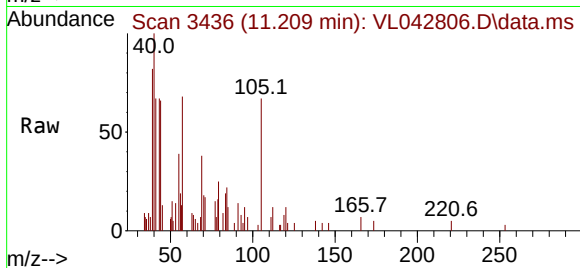
WONDER IA-8

Tgt Ion:105 Resp: 1158

Ion Ratio Lower Upper

105 100

120 17.4 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.117 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042806.D

Acq: 04 Aug 2025 15:44

Tgt Ion:105 Resp: 6323

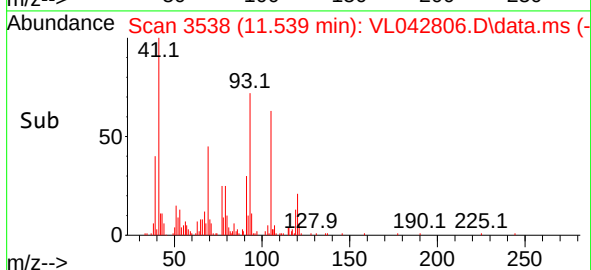
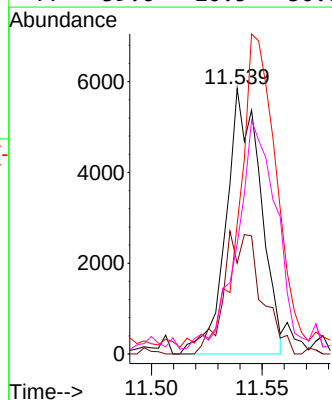
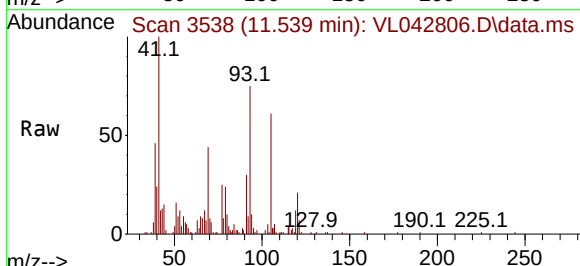
Ion Ratio Lower Upper

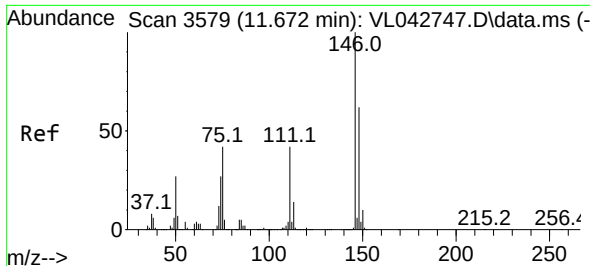
105 100

120 34.2 40.8 61.2#

91 46.3 53.0 79.4#

77 39.6 20.5 30.7#

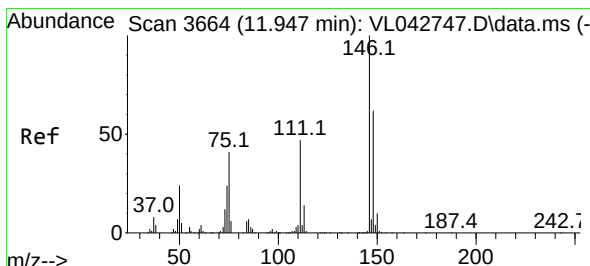
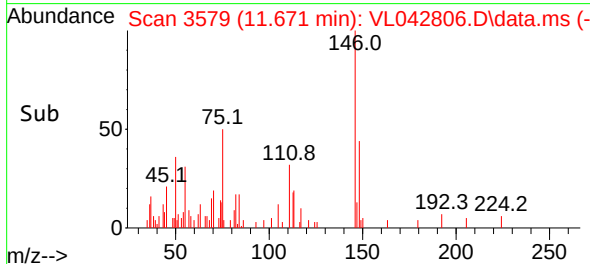
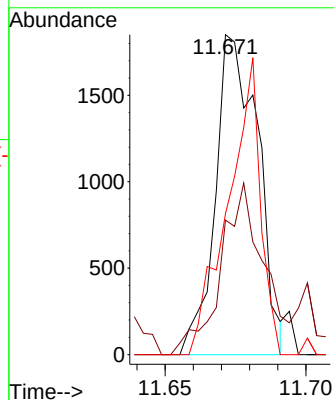
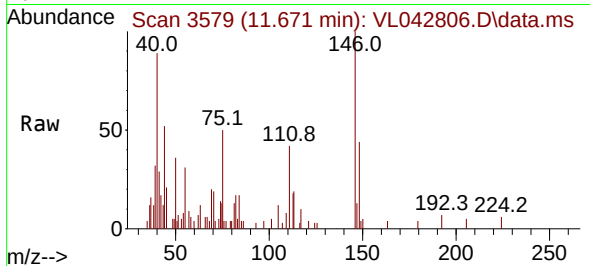




#76
1,4-Dichlorobenzene
Concen: 0.052 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

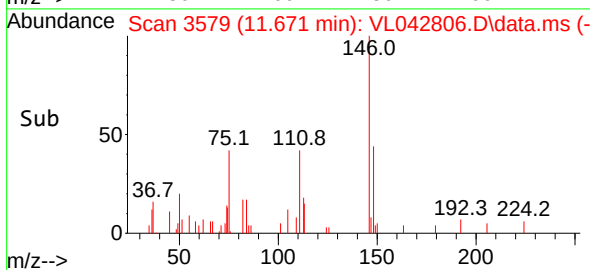
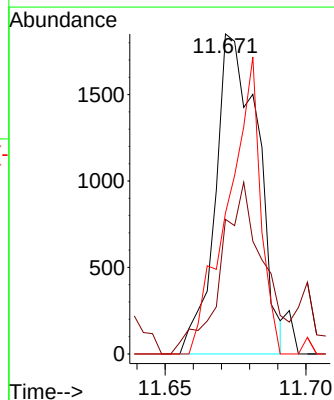
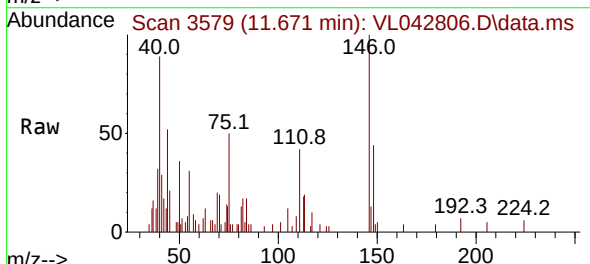
Instrument :
MSVOA_1
ClientSampleId :
WONDER IA-8

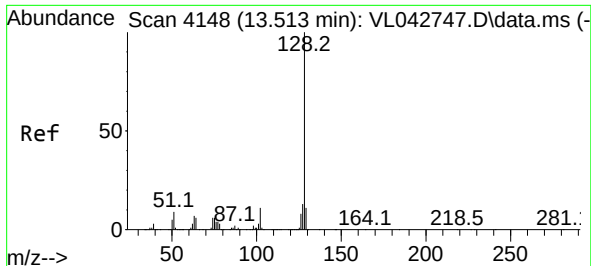
Tgt Ion:146 Resp: 1937
Ion Ratio Lower Upper
146 100
111 67.6 21.4 64.2#
148 71.7 32.1 96.3



#77
1,2-Dichlorobenzene
Concen: 0.052 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.275 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

Tgt Ion:146 Resp: 1937
Ion Ratio Lower Upper
146 100
111 67.3 23.7 71.1
148 71.7 32.6 97.7

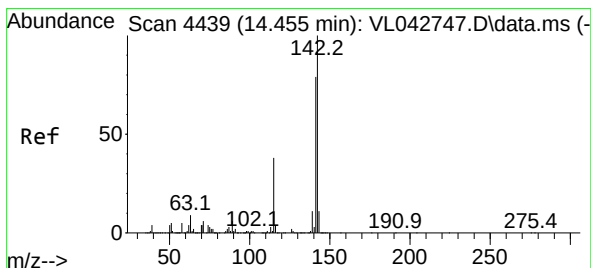
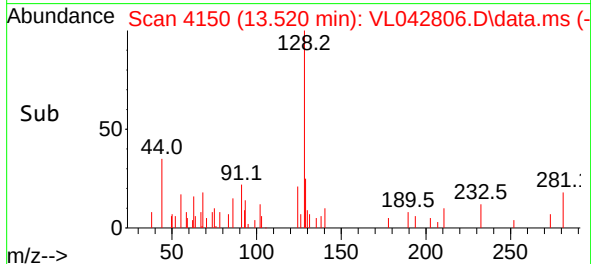
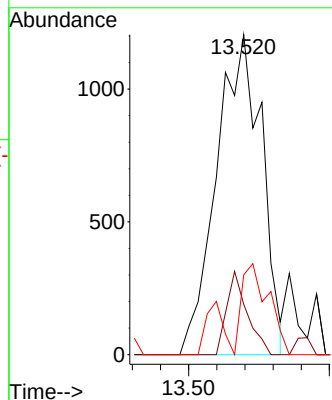
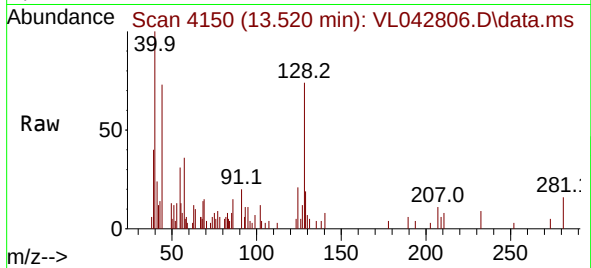




#79
Naphthalene
Concen: 0.457 ppbv
RT: 13.520 min Scan# 4148
Delta R.T. 0.006 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

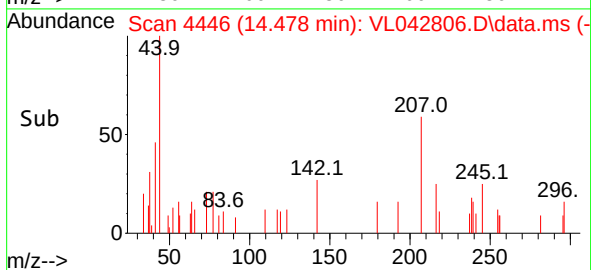
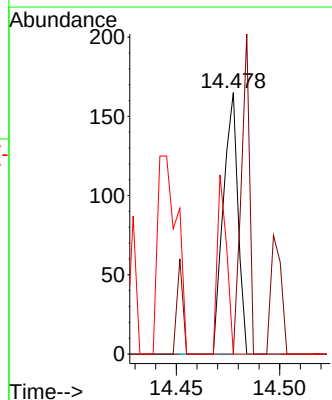
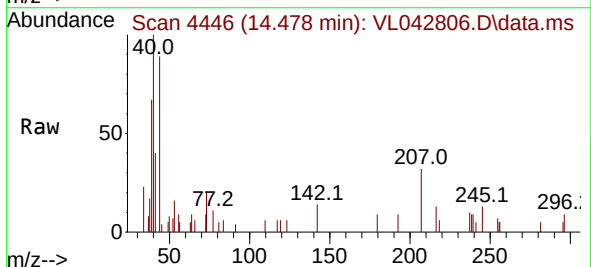
Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8

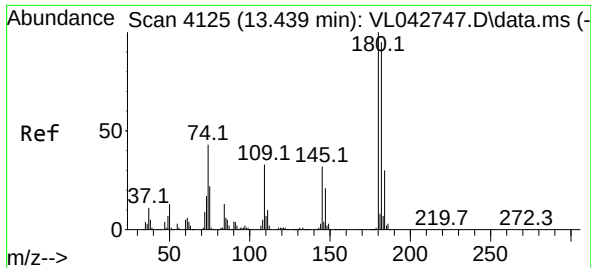
Tgt Ion:128 Resp: 1344
Ion Ratio Lower Upper
128 100
127 15.8 10.5 15.7#
129 25.0 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.131 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.022 min
Lab File: VL042806.D
Acq: 04 Aug 2025 15:44

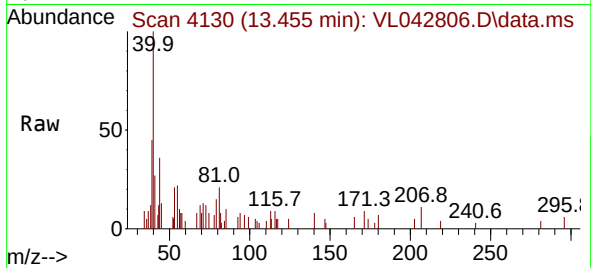
Tgt Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
141 101.2 65.8 98.8#
115 43.2 31.2 46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.436 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042806.D
 Acq: 04 Aug 2025 15:44

Instrument :
 MSVOA_L
 ClientSampleId :
 WONDER IA-8



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	86.7	24.8	37.2#

