

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042804.D
 Acq On : 04 Aug 2025 14:37
 Operator : SY/MD
 Sample : Q2750-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:05:49 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	2.790	49	165635	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	469711	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	406040	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	346897	10.788	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	12410	0.567	ppbv	98
3) Chlorodifluoromethane	1.476	51	1563029	54.789	ppbv #	85
4) Chloromethane	1.531	50	6069	0.685	ppbv	92
5) Vinyl Chloride	1.486	62	1276	0.146	ppbv #	44
6) Bromomethane	1.661	94	138	0.041	ppbv #	1
7) Chloroethane	1.657	64	237	0.070	ppbv #	45
8) Dichlorotetrafluoroethane	1.499	85	12410	0.689	ppbv #	22
9) Propene	1.560	41	551542	53.195	ppbv	97
10) Heptane	4.985	43	3982	0.142	ppbv #	69
11) Trichlorofluoromethane	1.878	101	4654	0.206	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	1389	0.081	ppbv	95
13) Ethanol	1.729	45	4952347	6558.716	ppbv	94
15) Acetone	1.835	43	2236923	97.803	ppbv #	78
16) 1,3-Butadiene	1.560	39	269946	27.671	ppbv #	16
17) tert-Butyl alcohol	1.991	59	8032732	389.412	ppbv	97
19) Isopropyl Alcohol	1.988	45	25024359	2058.899	ppbv #	39
20) Methylene Chloride	2.065	84	13675	1.897	ppbv	94
21) Allyl Chloride	1.988	41	12708793	901.582	ppbv #	78
23) Vinyl Acetate	2.463	43	31695	1.143	ppbv #	91
25) Ethyl Acetate	2.845	43	252088	4.979	ppbv #	62
26) Hexane	2.826	57	36940	1.663	ppbv #	1
27) Carbon Disulfide	2.149	76	56958	2.996	ppbv #	66
29) Chloroform	2.852	83	19685	0.574	ppbv	95
30) Cyclohexane	3.868	84	953	0.051	ppbv #	1
31) cis-1,2-Dichloroethene	2.845	61	26924	1.180	ppbv #	23
34) 2-Butanone	2.567	43	35229	1.059	ppbv	97
35) Carbon Tetrachloride	3.771	117	1096	0.031	ppbv	90
36) Benzene	3.654	78	12364	0.278	ppbv #	88
39) 1,2-Dichloropropane	3.962	63	119723	7.286	ppbv #	21
42) Bromodichloromethane	4.502	83	2354	0.067	ppbv #	77
43) Methyl Methacrylate	4.888	69	914	0.058	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	4005	0.055	ppbv #	7
53) Toluene	6.943	91	18258	0.382	ppbv #	21
58) Ethyl Benzene	9.361	91	5636	0.088	ppbv	93
59) m/p-Xylene	9.558	91	1820	0.036	ppbv #	30
60) o-Xylene	9.972	91	3823	0.075	ppbv	73
61) Styrene	9.875	104	4911	0.228	ppbv	94
62) Isopropylbenzene	10.542	105	2059	0.027	ppbv	95
64) n-propylbenzene	10.992	120	458	0.023	ppbv #	1
66) Benzyl Chloride	11.549	91	12100	2.197	ppbv #	67
67) sec-Butylbenzene	11.853	105	44174	0.463	ppbv	99
69) p-Isopropyltoluene	11.927	119	59315	0.762	ppbv	97
70) n-Butylbenzene	12.351	91	22421	0.298	ppbv #	85

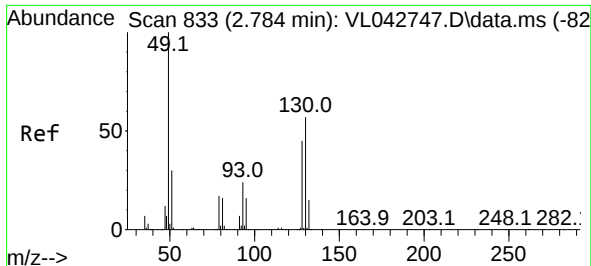
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042804.D
Acq On : 04 Aug 2025 14:37
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Quant Time: Aug 05 01:05:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: 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)
71) 2-Chlorotoluene	10.859	91	83071	1.434	ppbv #	45
73) 1,3,5-Trimethylbenzene	11.209	105	1195	0.024	ppbv	89
74) 1,2,4-Trimethylbenzene	11.539	105	7912	0.144	ppbv #	71
76) 1,4-Dichlorobenzene	11.675	146	2258	0.060	ppbv	83
77) 1,2-Dichlorobenzene	11.675	146	2258	0.060	ppbv	95
79) Naphthalene	13.523	128	1719	0.463	ppbv #	73
80) Naphthalene,2-methyl-	14.293	142	51	1.130	ppbv	88
81) 1,2,4-Trichlorobenzene	13.439	180	218	0.441	ppbv #	12

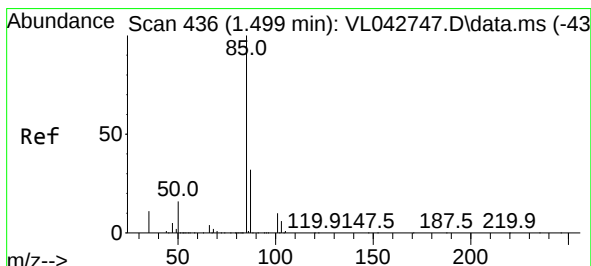
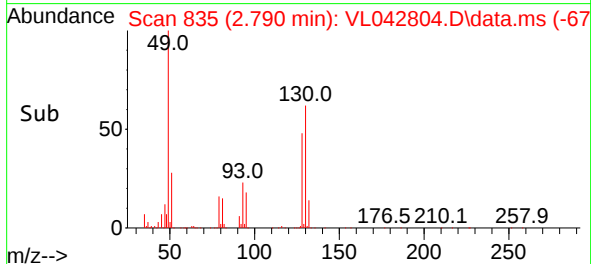
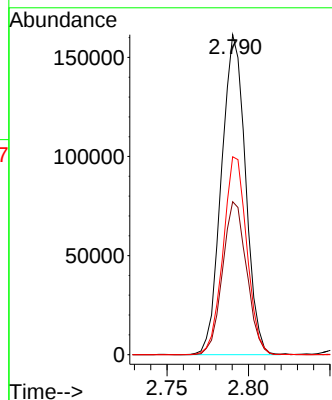
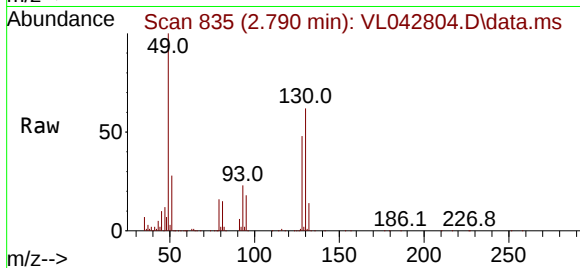
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

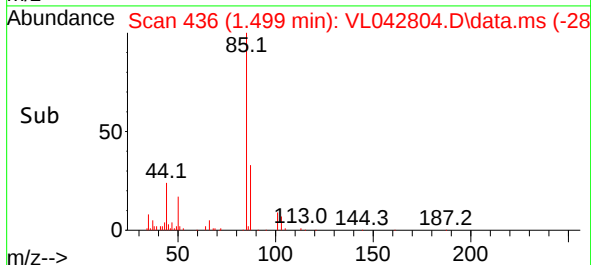
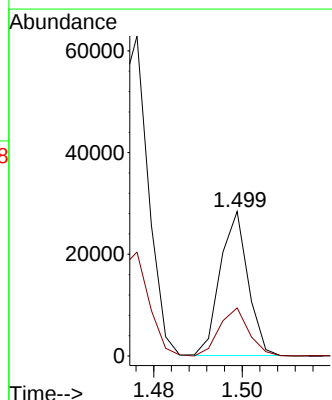
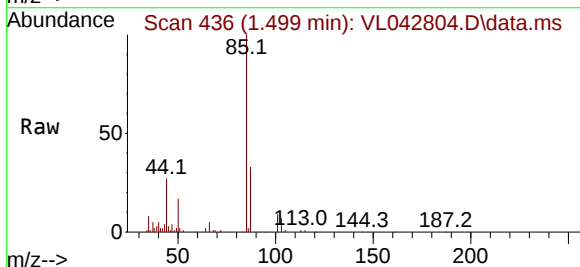
Instrument :
MSVOA_L
ClientSampleId :

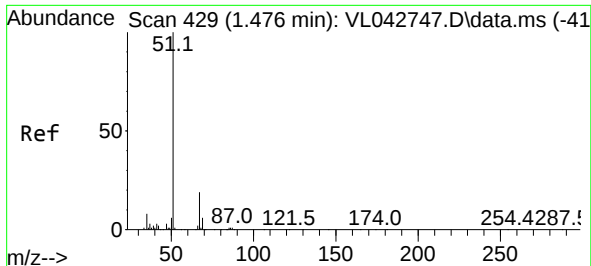
Tgt Ion: 49 Resp: 165635
Ion Ratio Lower Upper
49 100
128 47.9 23.6 71.0
130 60.9 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 0.567 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 85 Resp: 12410
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2

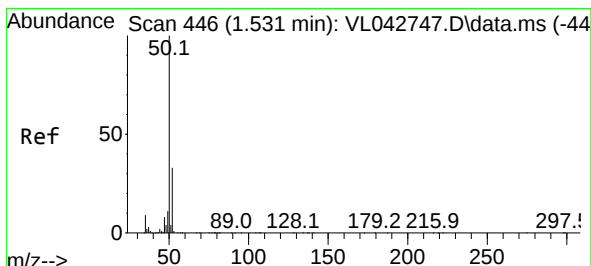
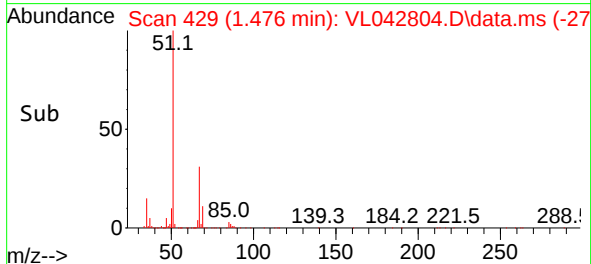
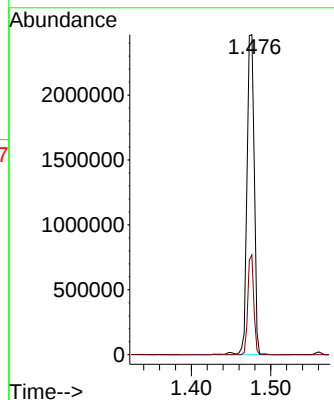
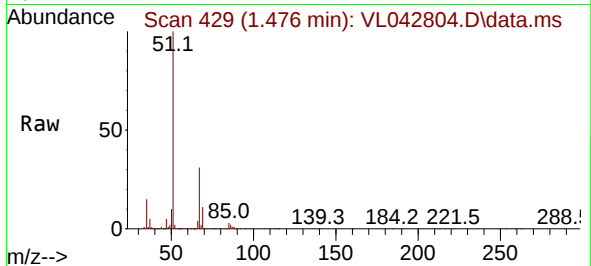




#3
Chlorodifluoromethane
Concen: 54.789 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

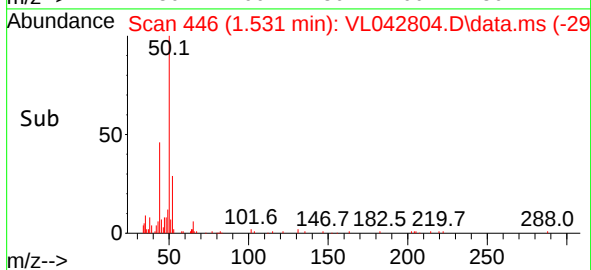
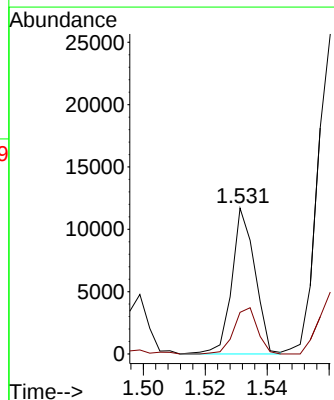
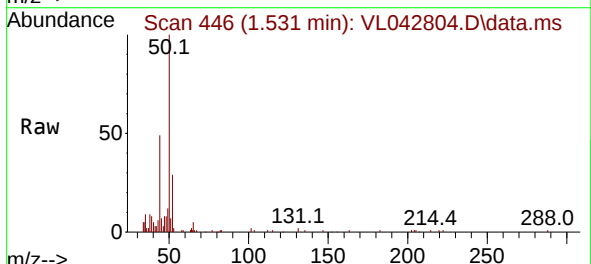
Instrument :
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ClientSampleId :

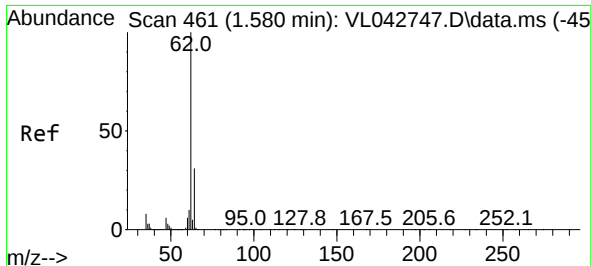
Tgt Ion: 51 Resp: 1563029
Ion Ratio Lower Upper
51 100
67 25.6 15.0 22.6#



#4
Chloromethane
Concen: 0.685 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 50 Resp: 6069
Ion Ratio Lower Upper
50 100
52 28.5 26.6 40.0

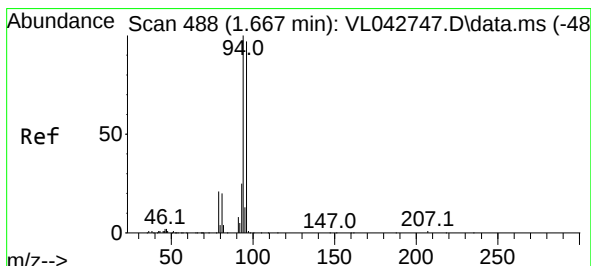
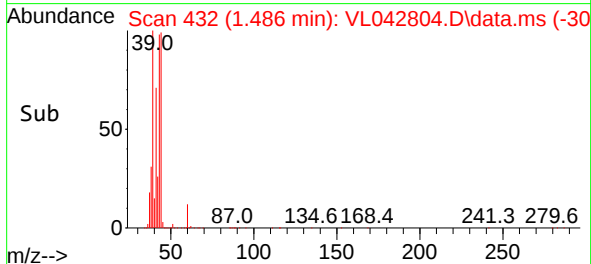
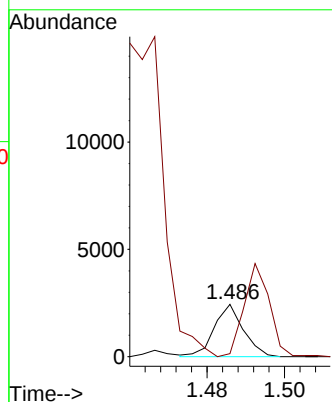
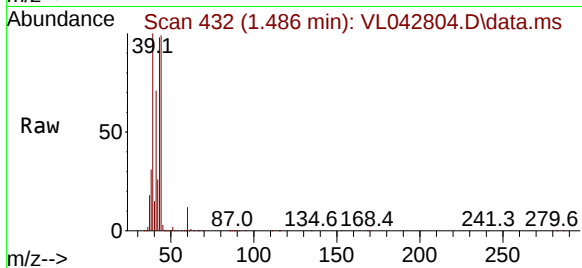




#5
 Vinyl Chloride
 Concen: 0.146 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.094 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

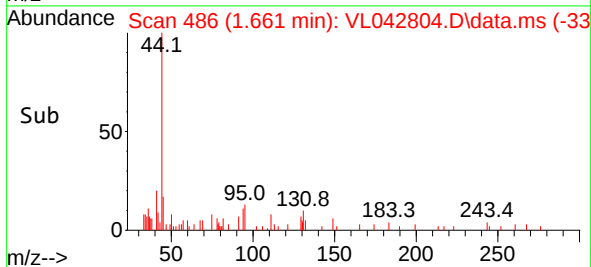
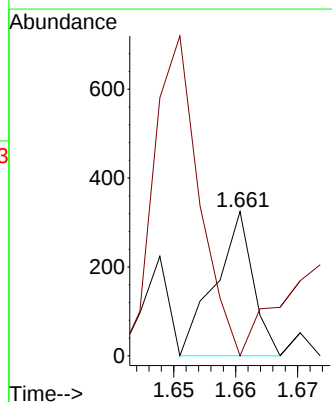
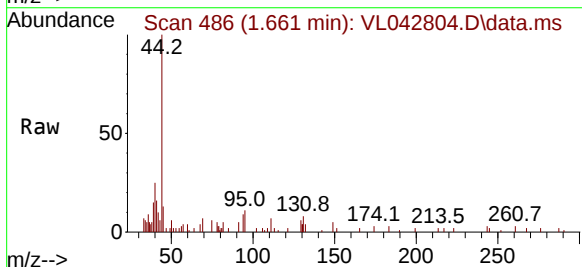
Instrument :
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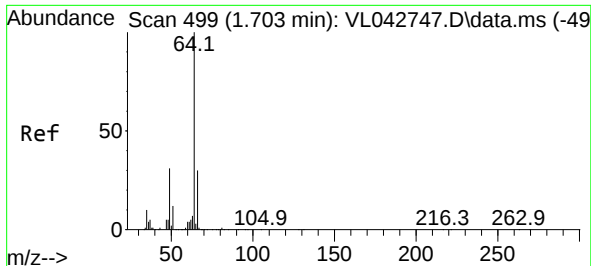
Tgt Ion: 62 Resp: 1276
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#6
 Bromomethane
 Concen: 0.041 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.006 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

Tgt Ion: 94 Resp: 138
 Ion Ratio Lower Upper
 94 100
 96 0.0 77.6 116.4#

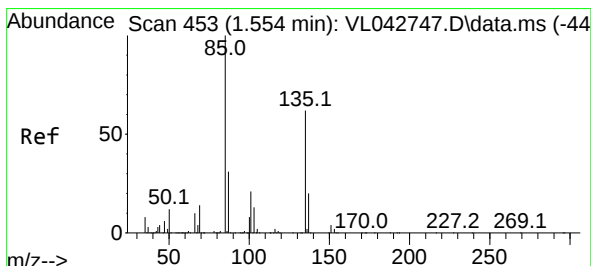
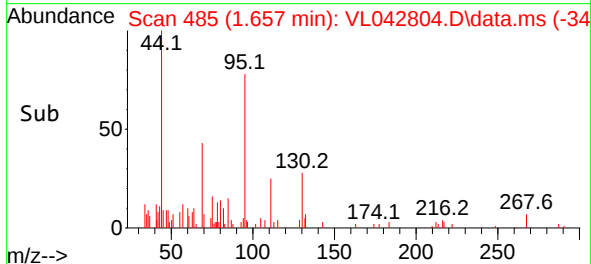
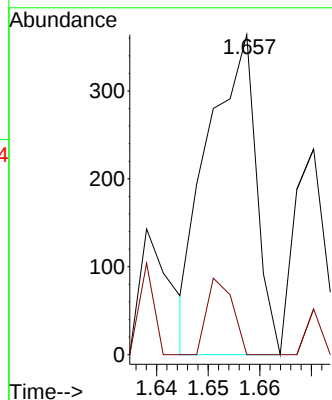
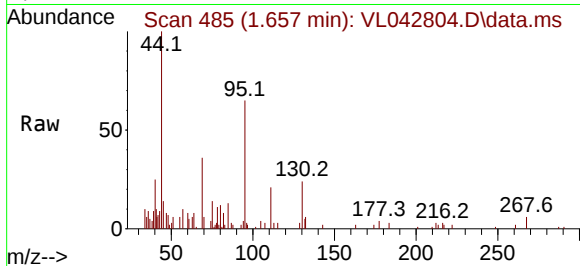




#7
Chloroethane
Concen: 0.070 ppbv
RT: 1.657 min Scan# 41
Delta R.T. -0.045 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

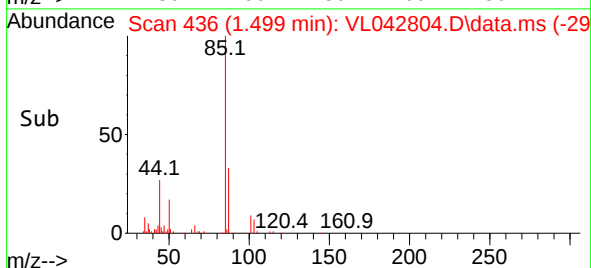
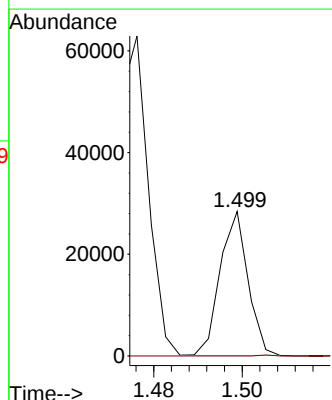
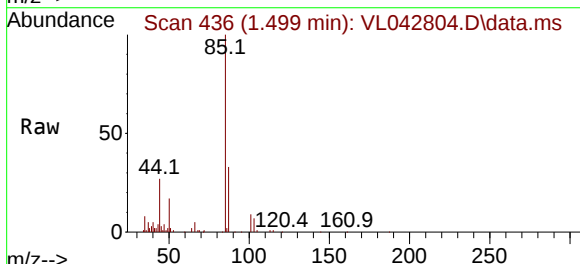
Instrument :
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ClientSampleId :

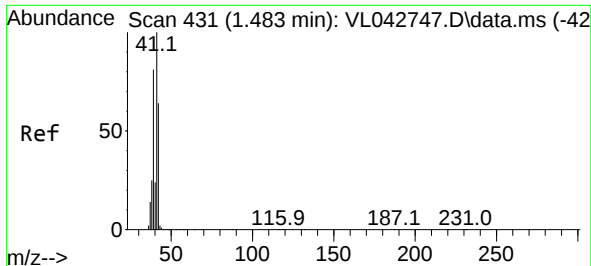
Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 0.689 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.055 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 85 Resp: 12410
Ion Ratio Lower Upper
85 100
135 2.4 50.6 76.0#





#9

Propene

Concen: 53.195 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.078 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

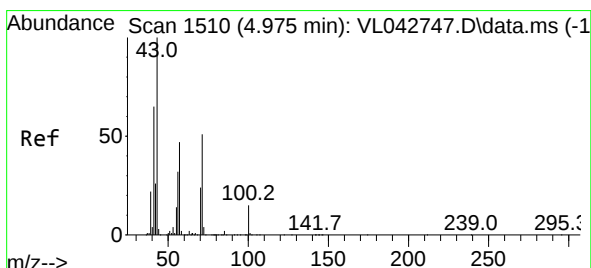
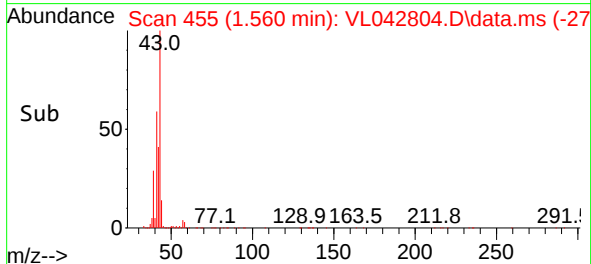
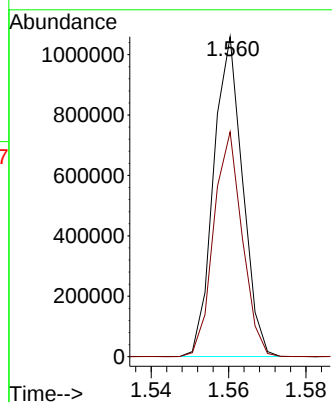
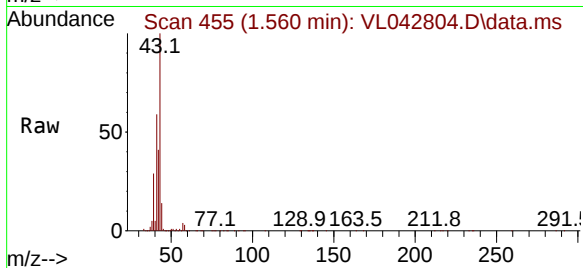
ClientSampleId :

Tgt Ion: 41 Resp: 551542

Ion Ratio Lower Upper

41 100

42 69.2 53.2 79.8



#10

Heptane

Concen: 0.142 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.010 min

Lab File: VL042804.D

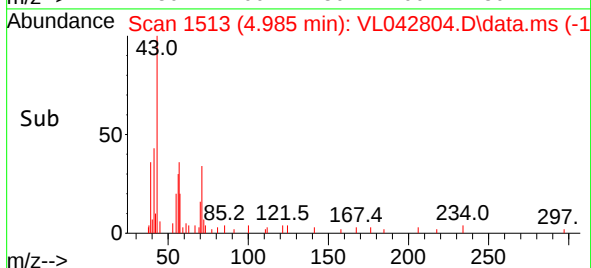
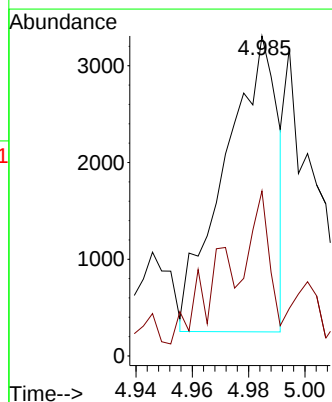
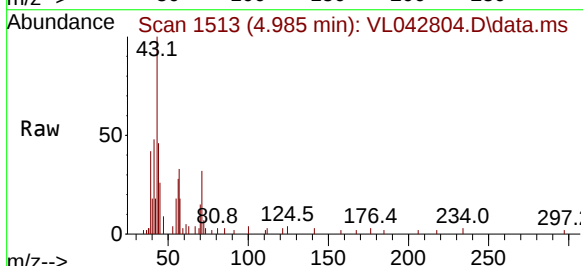
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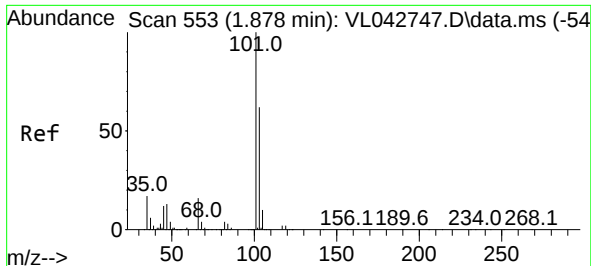
Tgt Ion: 43 Resp: 3982

Ion Ratio Lower Upper

43 100

57 71.5 39.9 59.9#

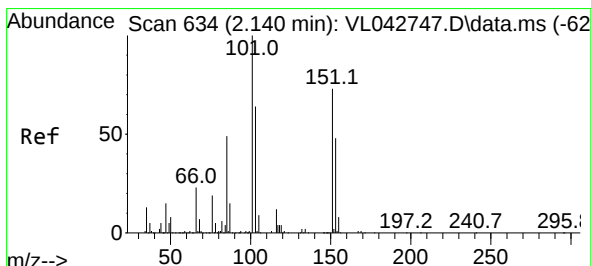
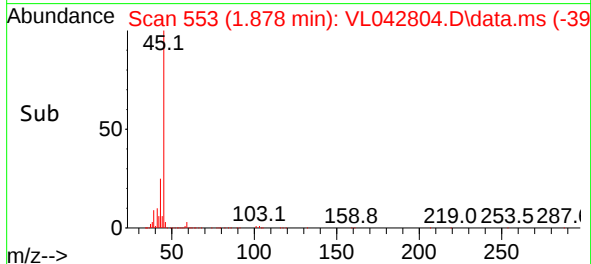
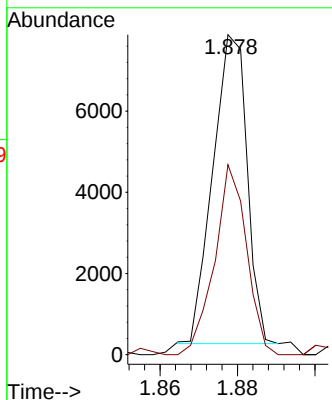
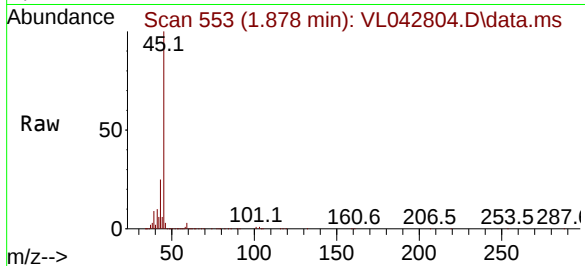




#11
 Trichlorofluoromethane
 Concen: 0.206 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

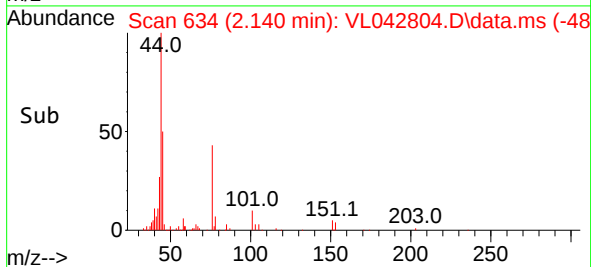
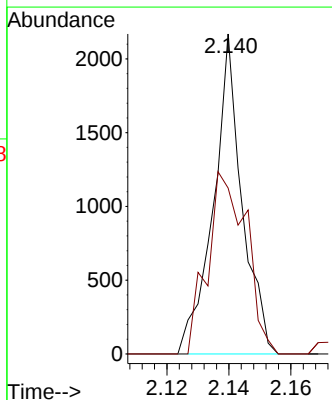
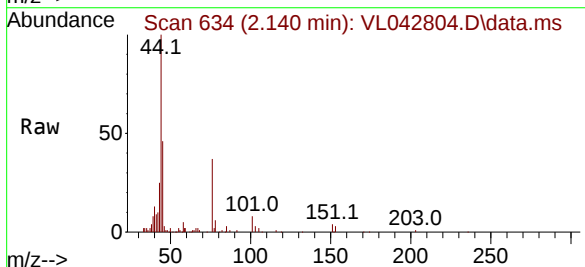
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:101 Resp: 4654
 Ion Ratio Lower Upper
 101 100
 103 61.5 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.081 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

Tgt Ion:101 Resp: 1389
 Ion Ratio Lower Upper
 101 100
 151 79.7 60.5 90.7

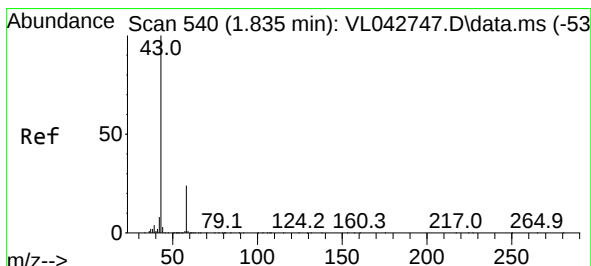
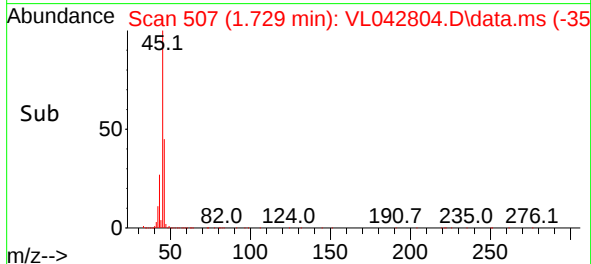
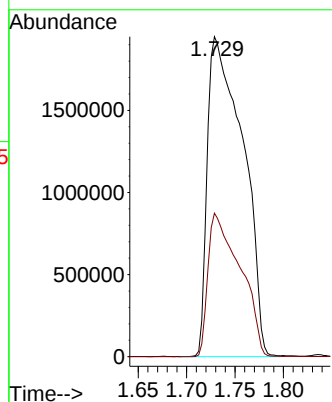
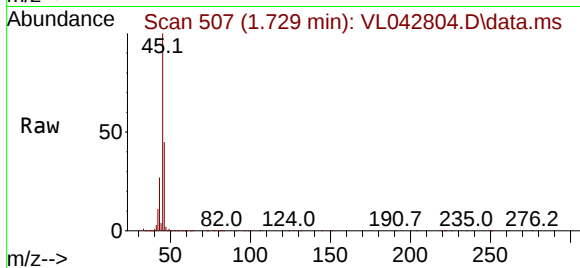




#13
Ethanol
Concen: 6558.716 ppbv
RT: 1.729 min Scan# 50
Delta R.T. 0.010 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

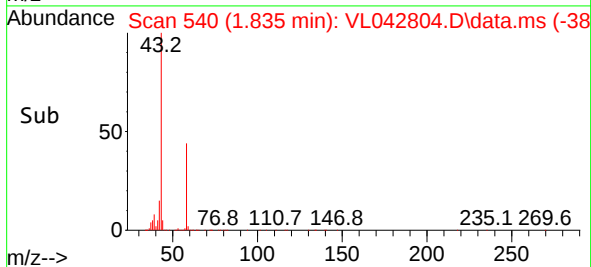
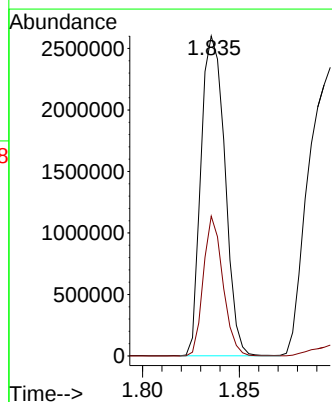
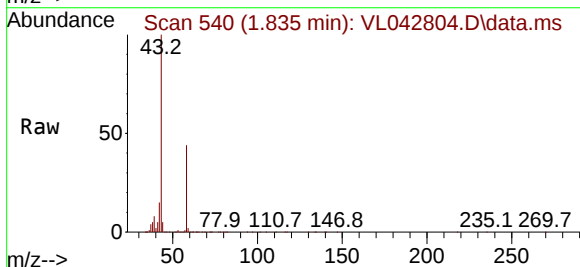
Instrument :
MSVOA_L
ClientSampleId :

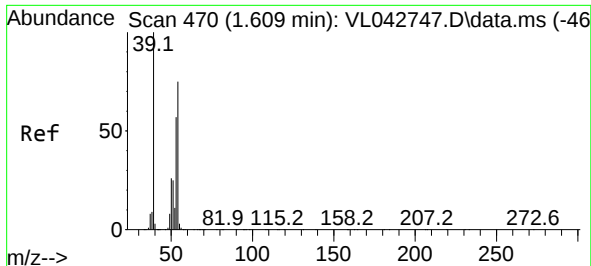
Tgt Ion: 45 Resp: 4952347
Ion Ratio Lower Upper
45 100
46 40.9 17.8 71.4



#15
Acetone
Concen: 97.803 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 43 Resp: 2236923
Ion Ratio Lower Upper
43 100
58 35.8 19.8 29.8#

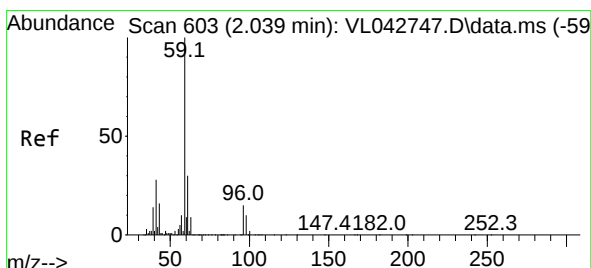
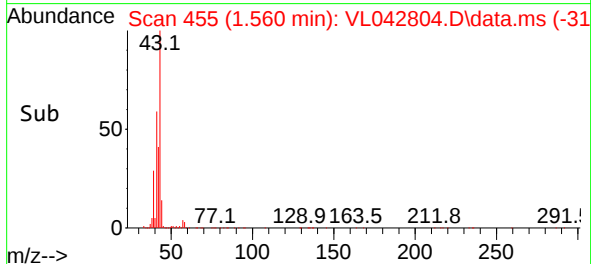
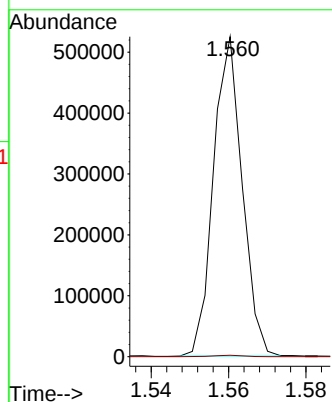
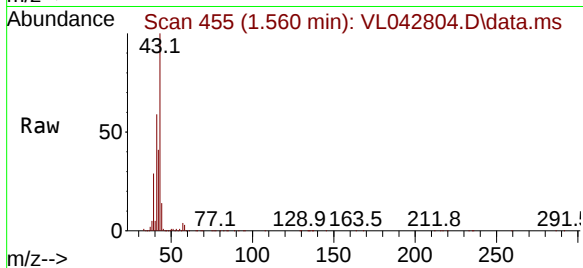




#16
1,3-Butadiene
Concen: 27.671 ppbv
RT: 1.560 min Scan# 41
Delta R.T. -0.049 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

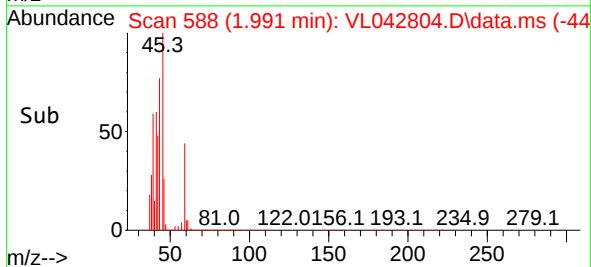
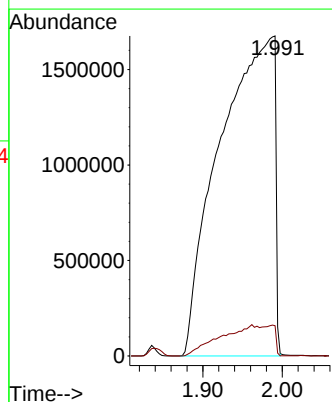
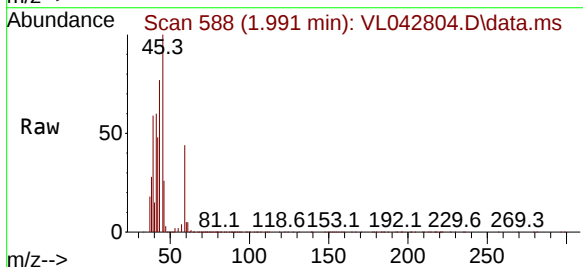
Instrument :
MSVOA_L
ClientSampleId :

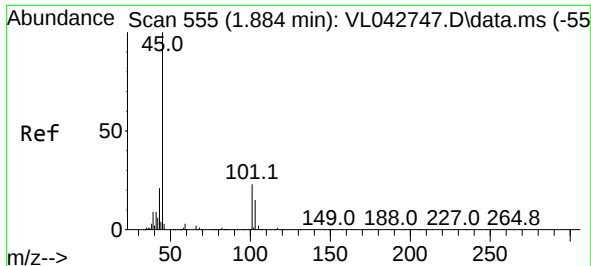
Tgt Ion: 39 Resp: 269946
Ion Ratio Lower Upper
39 100
54 0.5 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 389.412 ppbv
RT: 1.991 min Scan# 588
Delta R.T. -0.049 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 59 Resp: 8032732
Ion Ratio Lower Upper
59 100
57 9.2 8.3 12.5

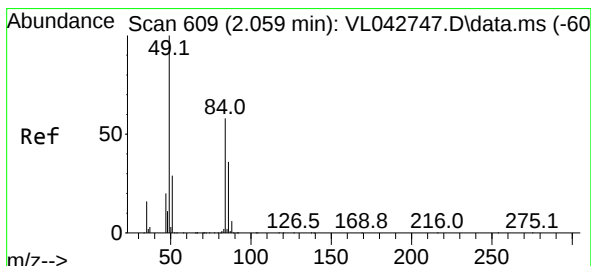
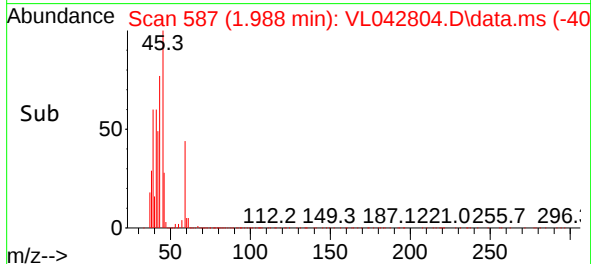
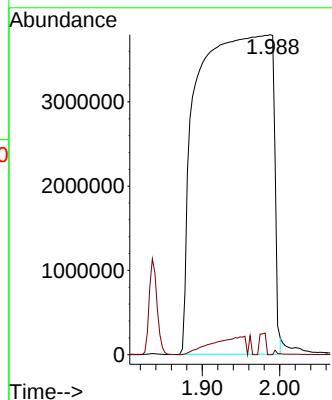
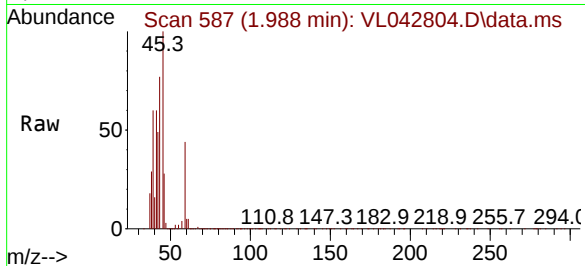




#19
Isopropyl Alcohol
Concen: 2058.899 ppbv
RT: 1.988 min Scan# 511
Delta R.T. 0.104 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

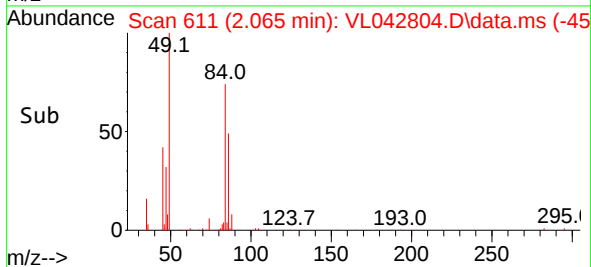
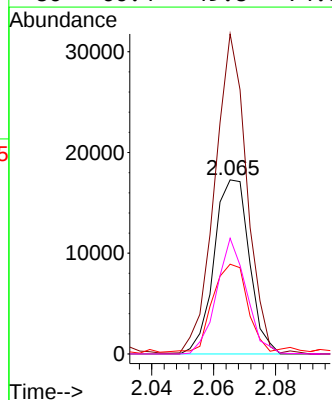
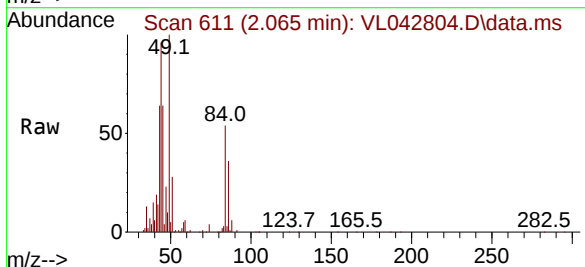
Instrument :
MSVOA_L
ClientSampleId :

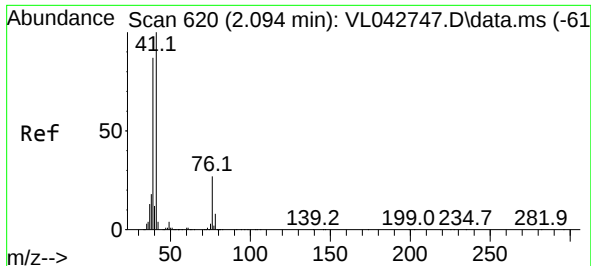
Tgt Ion: 45 Resp:25024359
Ion Ratio Lower Upper
45 100
58 0.7 30.0 45.0#



#20
Methylene Chloride
Concen: 1.897 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 84 Resp: 13675
Ion Ratio Lower Upper
84 100
49 183.1 138.6 208.0
51 49.6 40.6 61.0
86 66.4 49.8 74.8

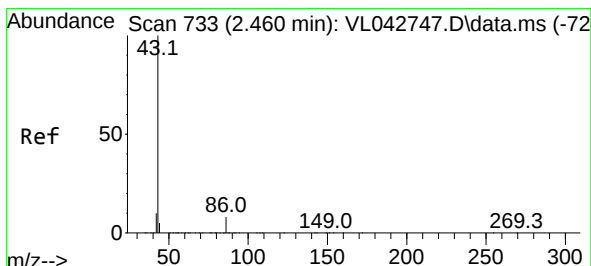
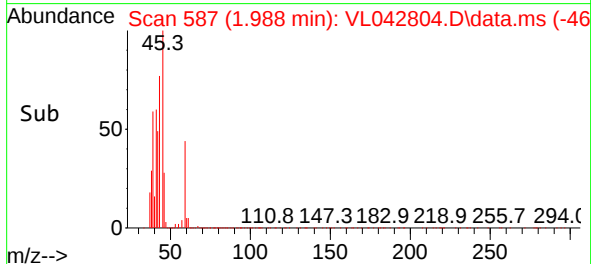
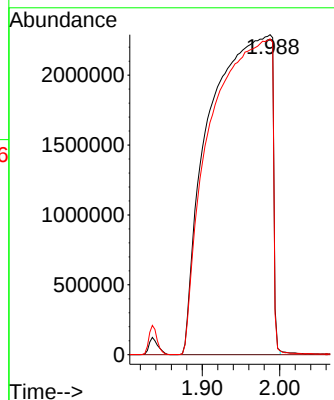
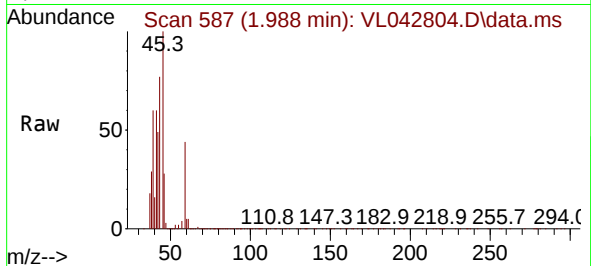




#21
 Allyl Chloride
 Concen: 901.582 ppbv
 RT: 1.988 min Scan# 51
 Delta R.T. -0.107 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

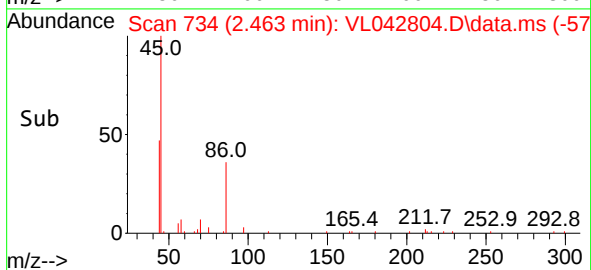
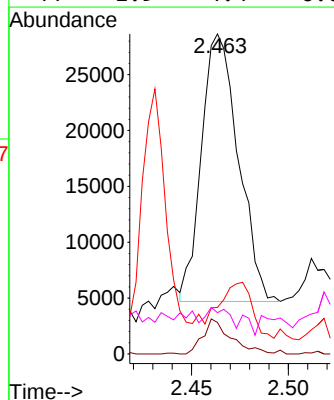
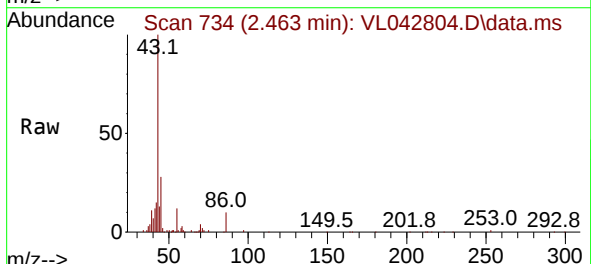
Instrument :
 MSVOA_L
 ClientSampleId :

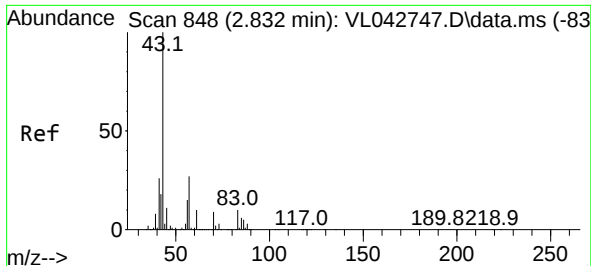
Tgt Ion: 41 Resp:12708793
 Ion Ratio Lower Upper
 41 100
 76 0.4 21.1 31.7#
 39 97.2 68.3 102.5



#23
 Vinyl Acetate
 Concen: 1.143 ppbv
 RT: 2.463 min Scan# 734
 Delta R.T. 0.003 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

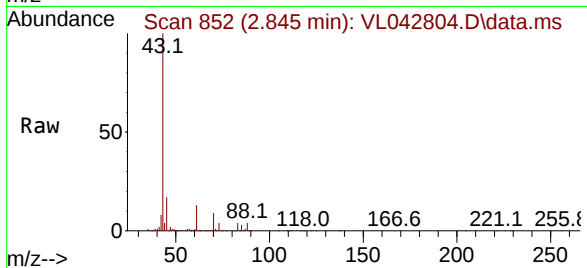
Tgt Ion: 43 Resp: 31695
 Ion Ratio Lower Upper
 43 100
 86 11.8 6.1 9.1#
 42 8.1 7.8 11.8
 44 1.9 4.4 6.6#



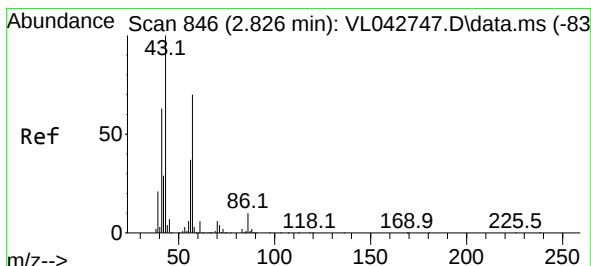
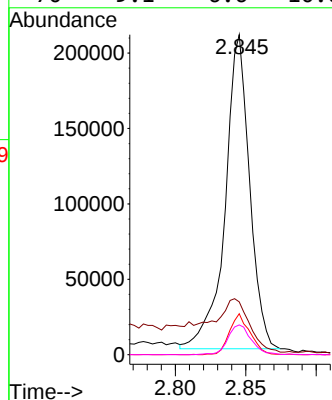
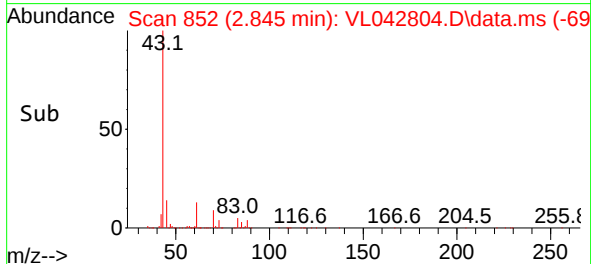


#25
Ethyl Acetate
Concen: 4.979 ppbv
RT: 2.845 min Scan# 848
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Instrument :
MSVOA_L
ClientSampleId :

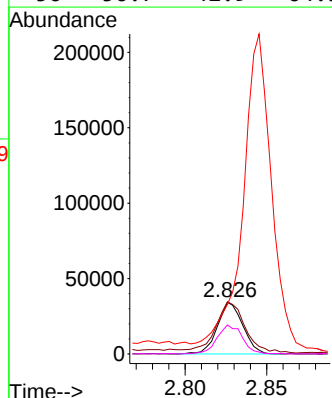
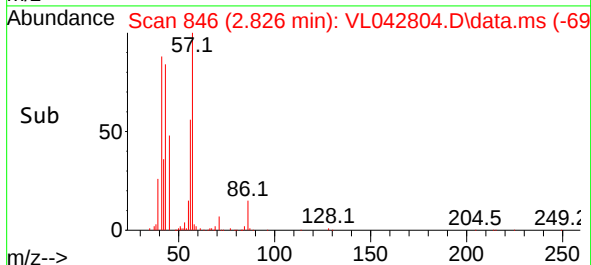
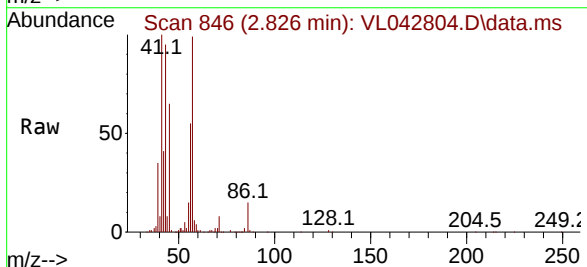


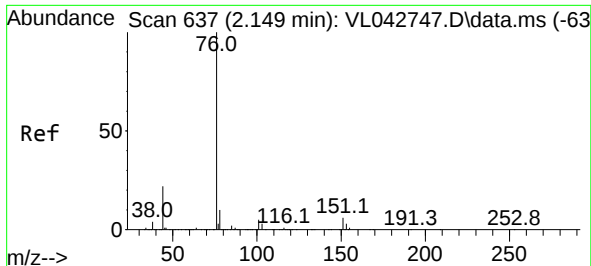
Tgt Ion: 43 Resp: 252088
Ion Ratio Lower Upper
43 100
45 44.4 7.8 11.6#
61 11.0 6.7 10.1#
70 9.1 6.6 10.0



#26
Hexane
Concen: 1.663 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 57 Resp: 36940
Ion Ratio Lower Upper
57 100
41 124.4 75.4 113.2#
43 733.9 185.0 277.6#
56 56.7 42.9 64.3

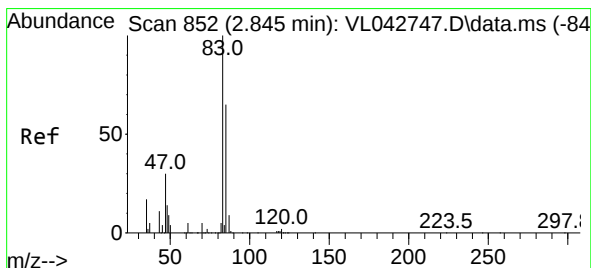
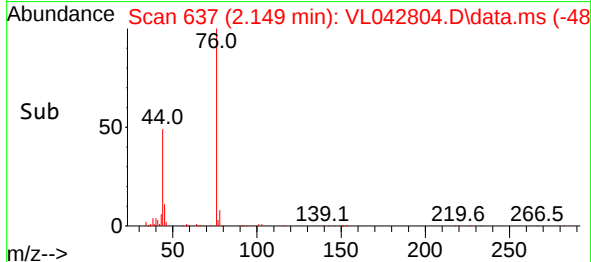
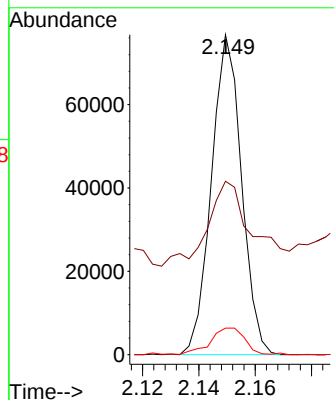
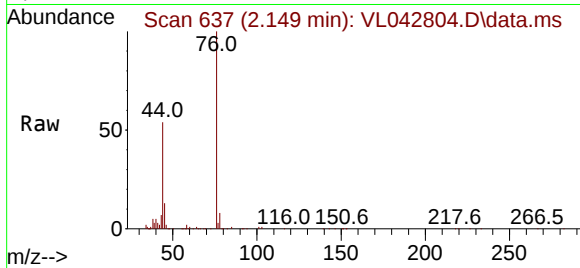




#27
Carbon Disulfide
Concen: 2.996 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

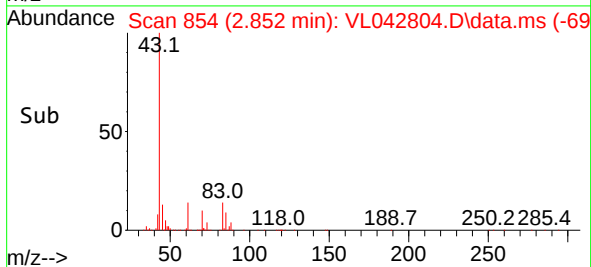
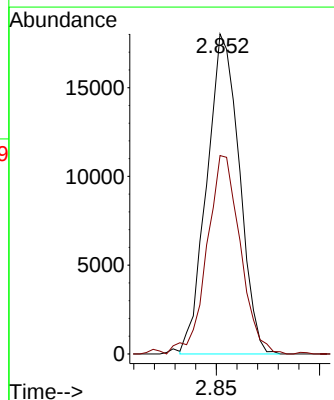
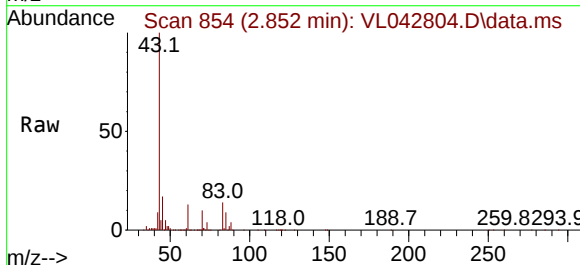
Instrument :
MSVOA_L
ClientSampleId :

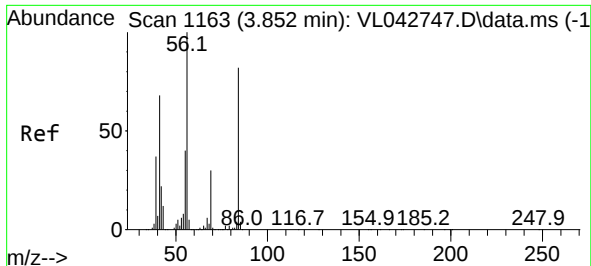
Tgt Ion: 76 Resp: 56958
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9#
78 10.2 9.9 14.9



#29
Chloroform
Concen: 0.574 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 83 Resp: 19685
Ion Ratio Lower Upper
83 100
85 61.3 52.2 78.2

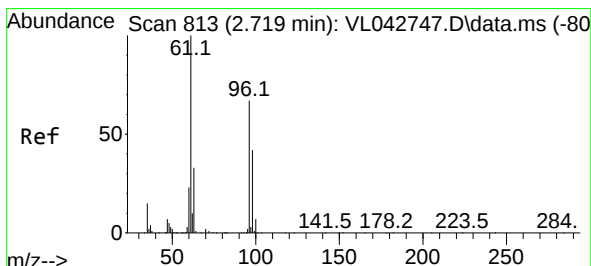
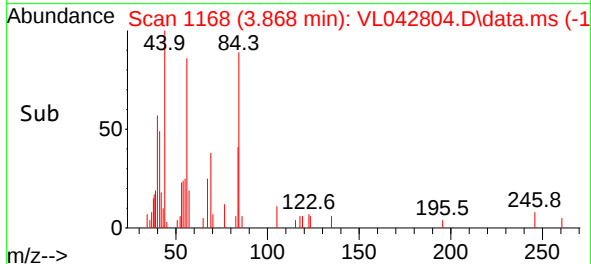
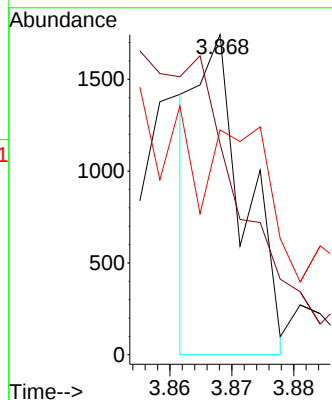
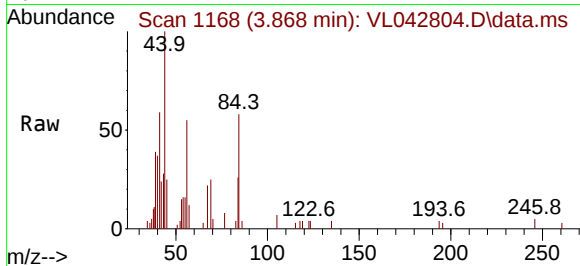




#30
Cyclohexane
Concen: 0.051 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.016 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

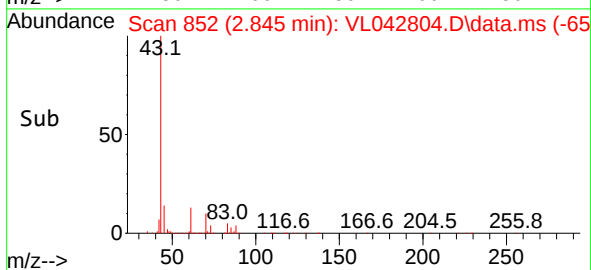
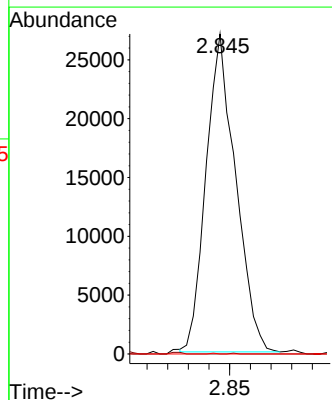
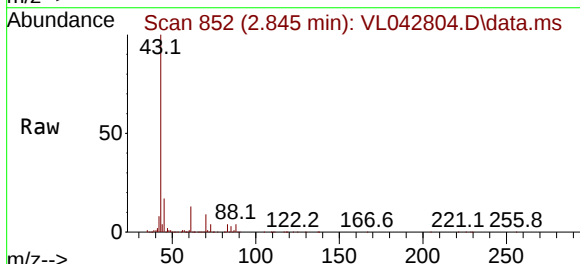
Instrument :
MSVOA_L
ClientSampleId :

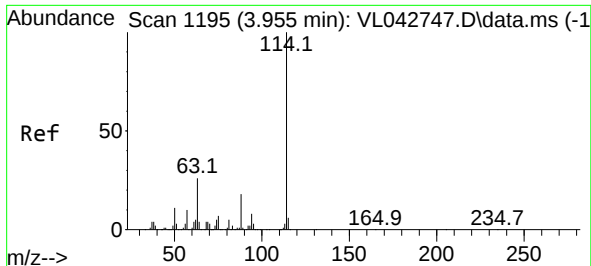
Tgt Ion: 84 Resp: 953
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 0.0 67.2 100.8#



#31
cis-1,2-Dichloroethene
Concen: 1.180 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.126 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 61 Resp: 26924
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: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

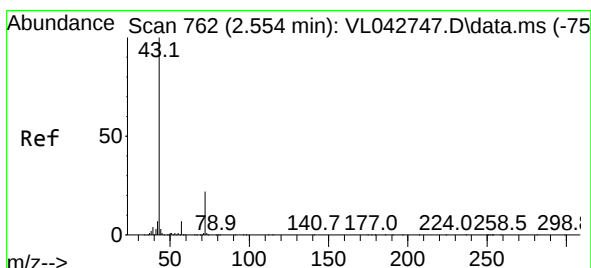
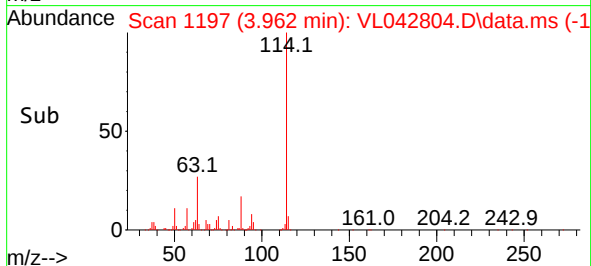
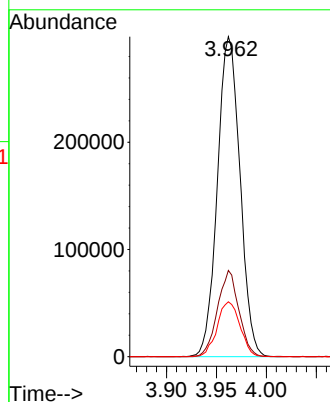
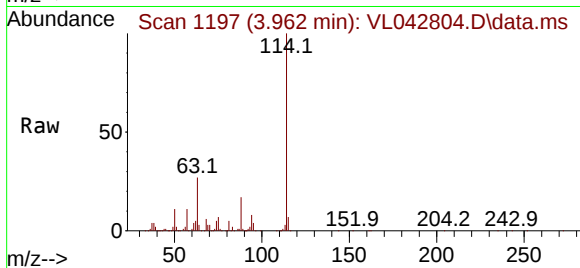
Tgt Ion:114 Resp: 469711

Ion Ratio Lower Upper

114 100

63 25.5 20.5 30.7

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 1.059 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.013 min

Lab File: VL042804.D

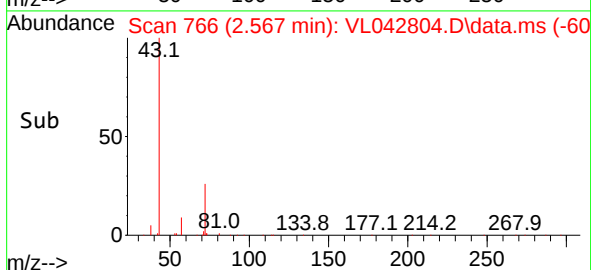
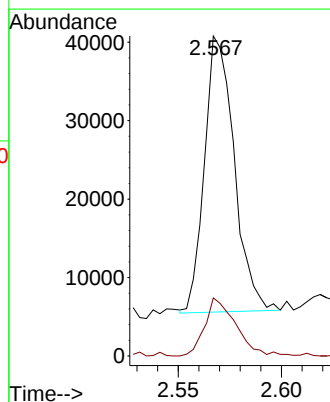
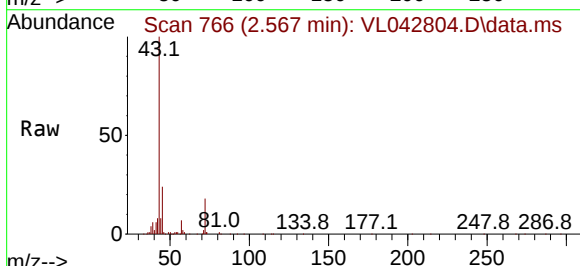
Acq: 04 Aug 2025 14:37

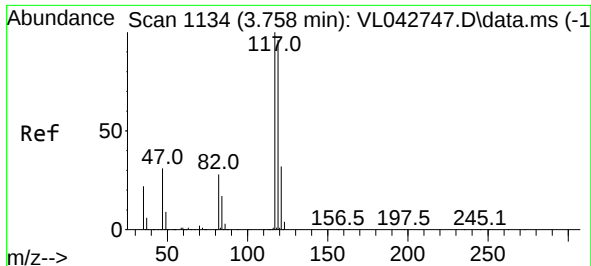
Tgt Ion: 43 Resp: 35229

Ion Ratio Lower Upper

43 100

72 23.0 17.4 26.0

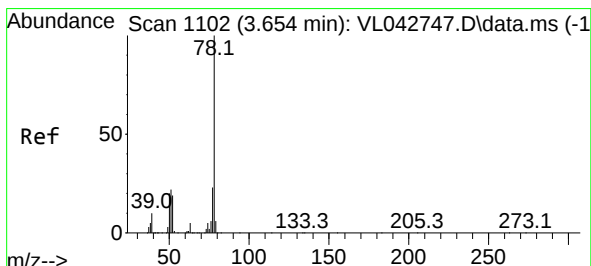
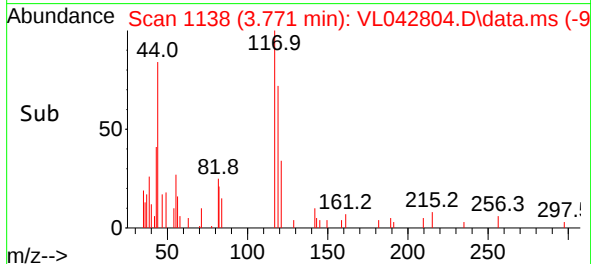
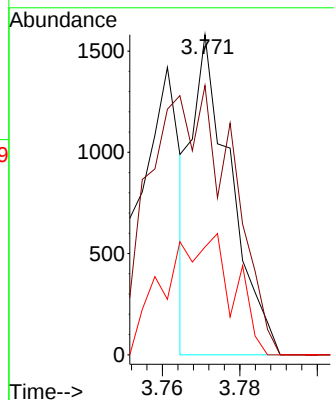
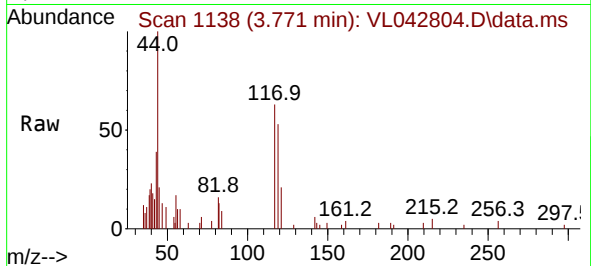




#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 3.771 min Scan# 1134
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

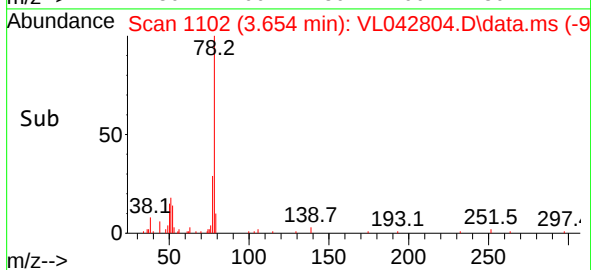
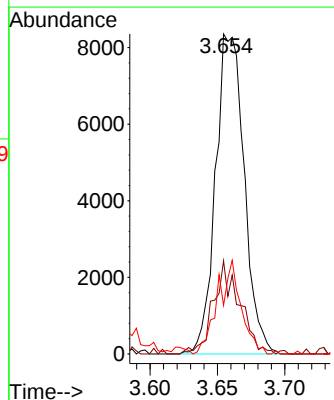
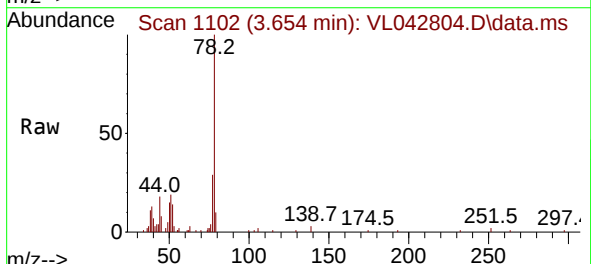
Instrument :
MSVOA_L
ClientSampleId :

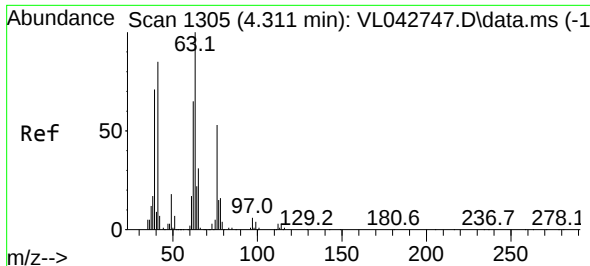
Tgt Ion:117 Resp: 1096
Ion Ratio Lower Upper
117 100
119 84.1 77.1 115.7
121 33.6 25.5 38.3



#36
Benzene
Concen: 0.278 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 78 Resp: 12364
Ion Ratio Lower Upper
78 100
77 29.1 18.5 27.7#
50 15.2 16.2 24.2#





#39

1,2-Dichloropropane

Concen: 7.286 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.350 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

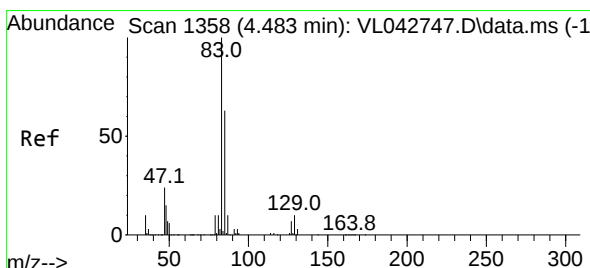
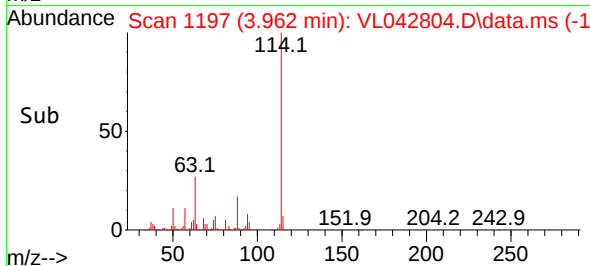
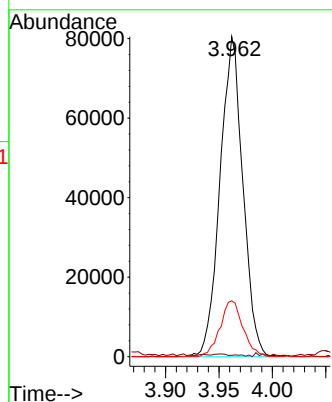
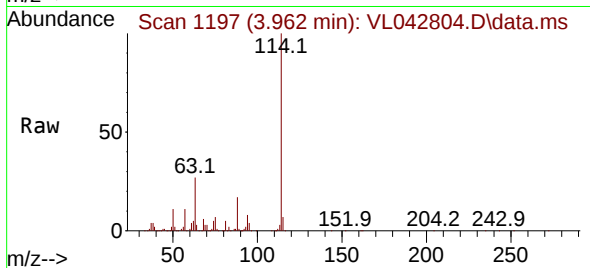
Tgt Ion: 63 Resp: 119723

Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 17.4 52.0 78.0#



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 4.502 min Scan# 1364

Delta R.T. 0.019 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

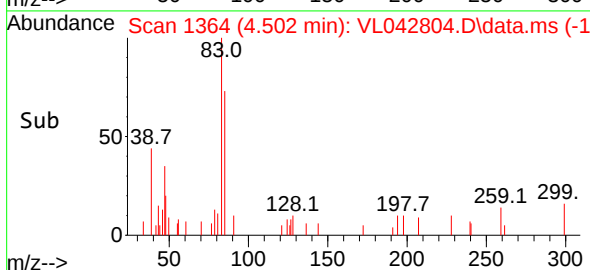
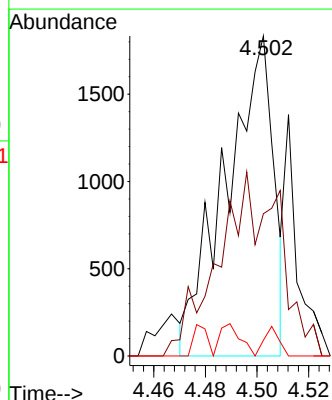
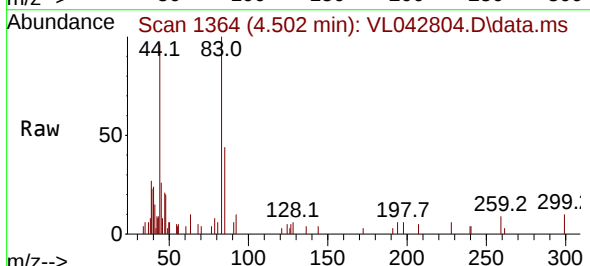
Tgt Ion: 83 Resp: 2354

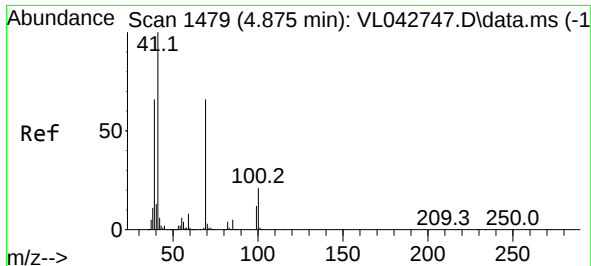
Ion Ratio Lower Upper

83 100

85 43.8 50.2 75.4#

127 5.5 5.4 8.2

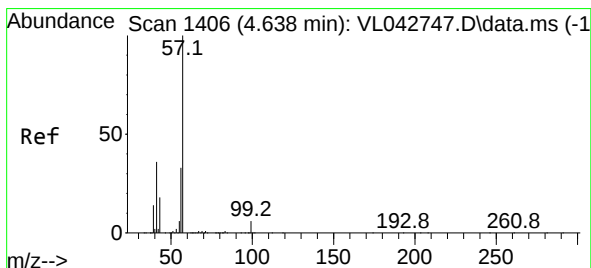
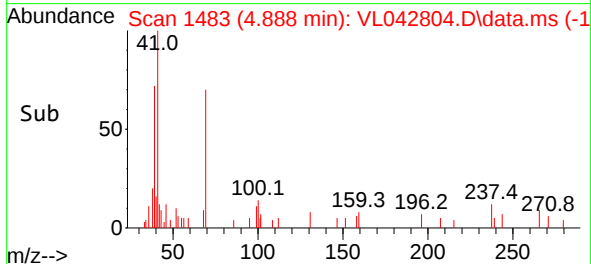
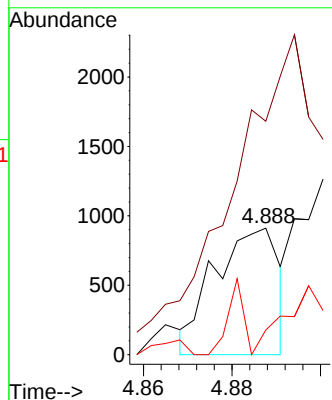
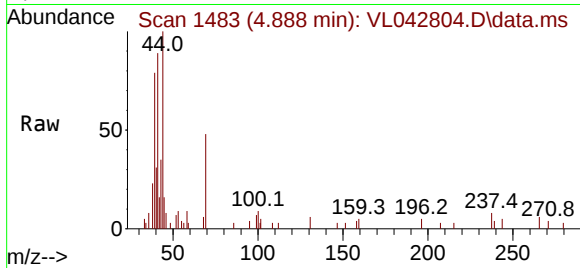




#43
Methyl Methacrylate
Concen: 0.058 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

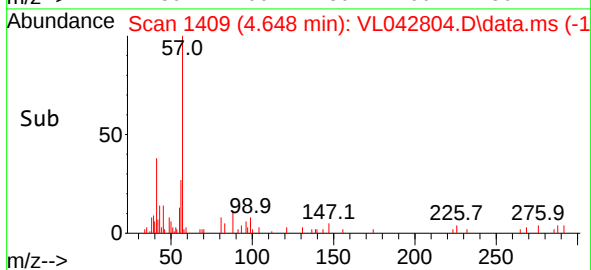
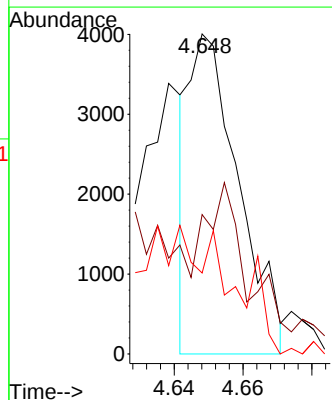
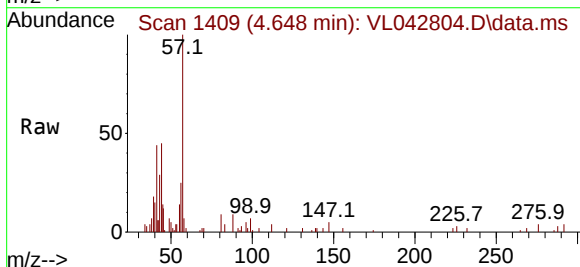
Instrument :
MSVOA_L
ClientSampleId :

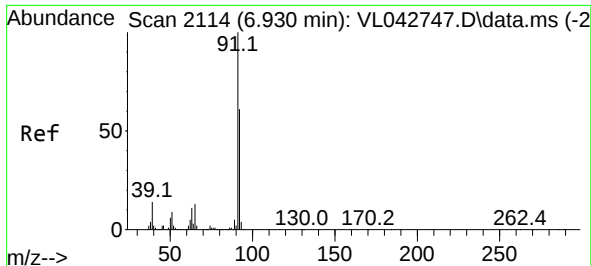
Tgt Ion: 69 Resp: 914
Ion Ratio Lower Upper
69 100
41 464.1 125.7 188.5#
100 88.8 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.055 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.010 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 57 Resp: 4005
Ion Ratio Lower Upper
57 100
41 108.4 28.3 42.5#
56 0.0 25.8 38.6#

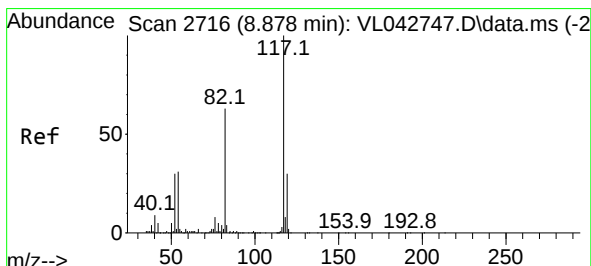
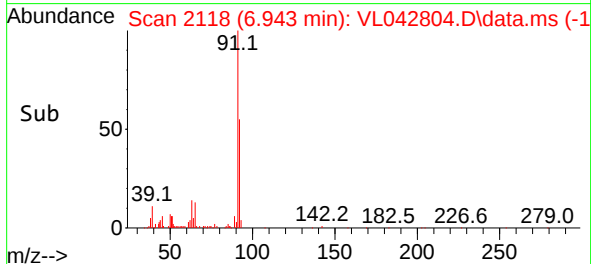
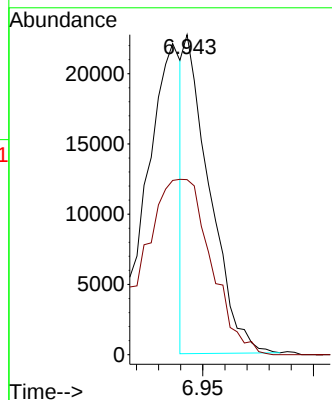
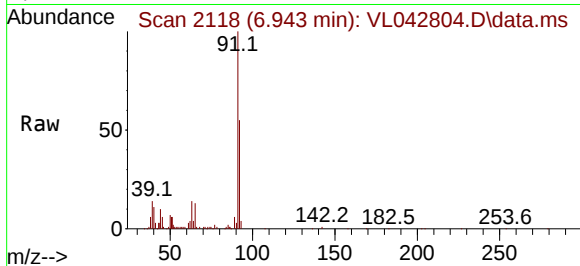




#53
Toluene
Concen: 0.382 ppbv
RT: 6.943 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

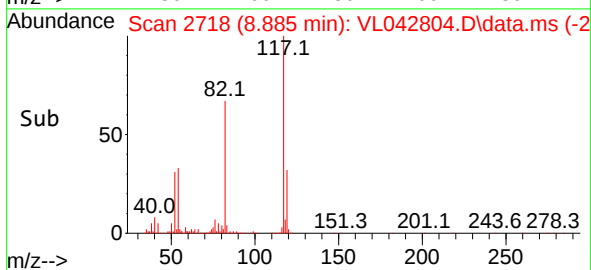
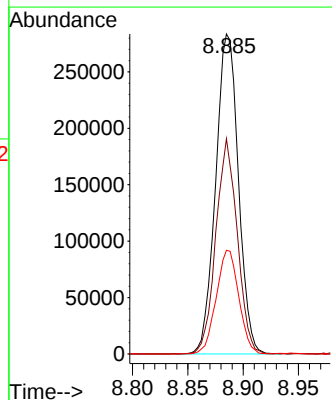
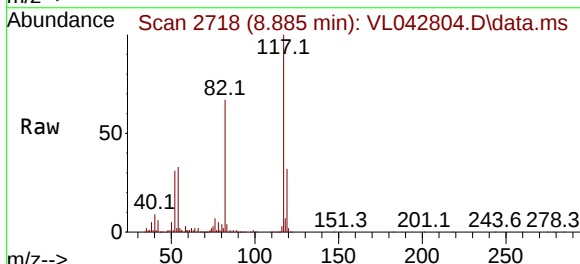
Instrument :
MSVOA_L
ClientSampleId :

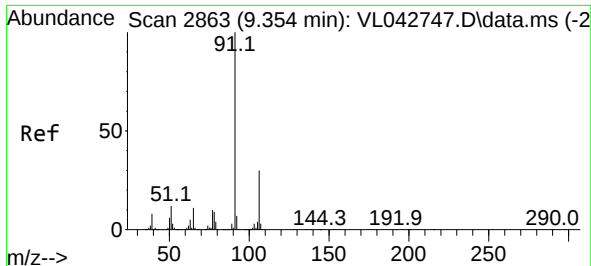
Tgt Ion: 91 Resp: 18258
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 117 Resp: 406040
Ion Ratio Lower Upper
117 100
82 63.3 53.3 79.9
119 32.1 25.8 38.6

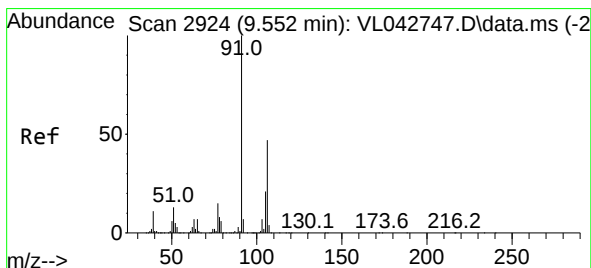
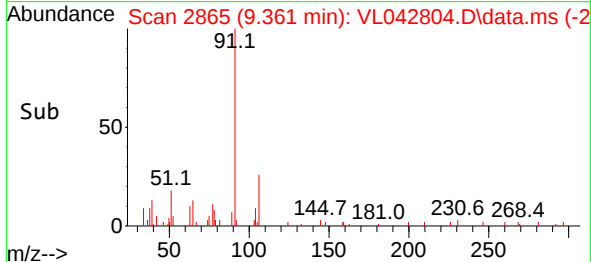
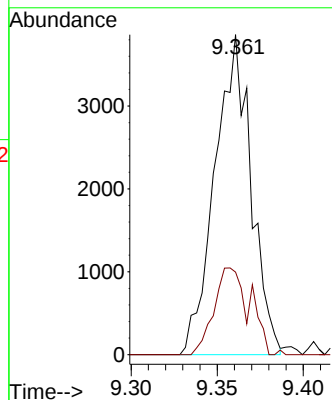
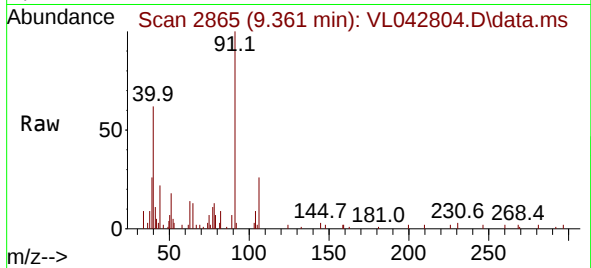




#58
Ethyl Benzene
Concen: 0.088 ppbv
RT: 9.361 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

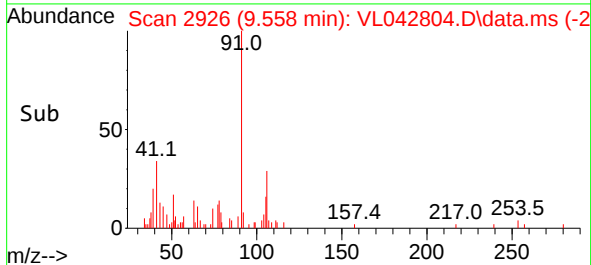
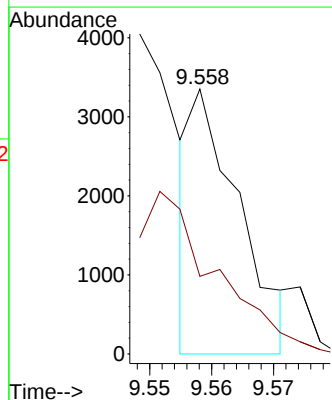
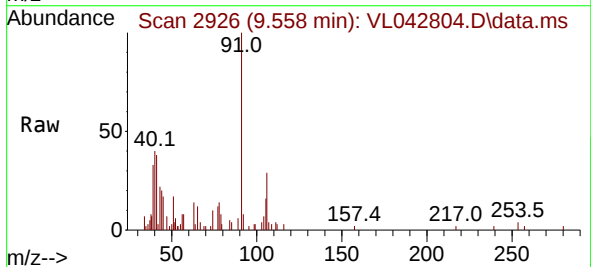
Instrument :
MSVOA_L
ClientSampleId :

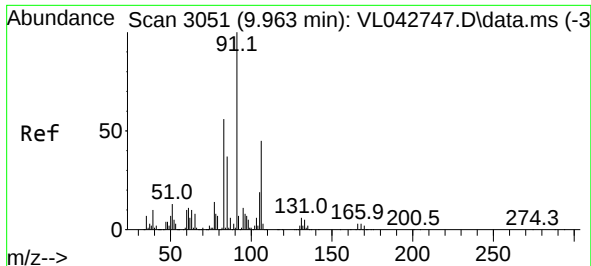
Tgt Ion: 91 Resp: 5636
Ion Ratio Lower Upper
91 100
106 25.8 23.8 35.6



#59
m/p-Xylene
Concen: 0.036 ppbv
RT: 9.558 min Scan# 2926
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 91 Resp: 1820
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

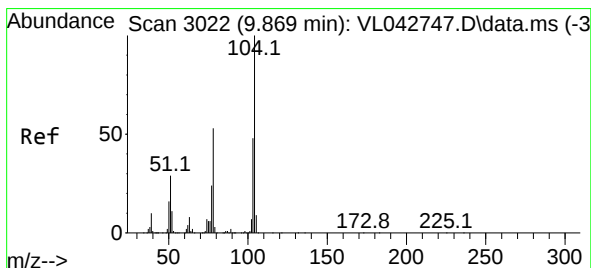
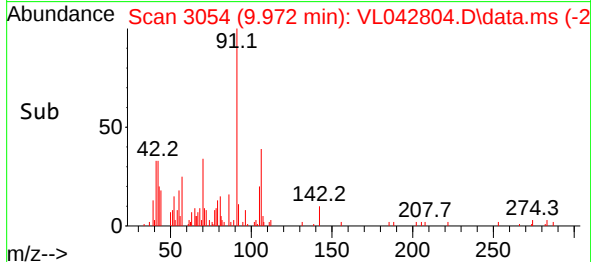
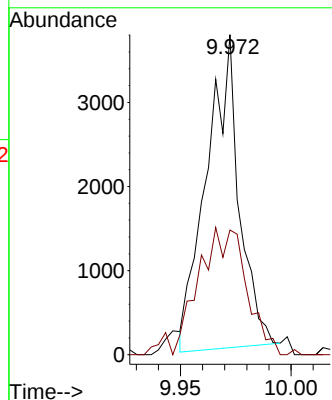
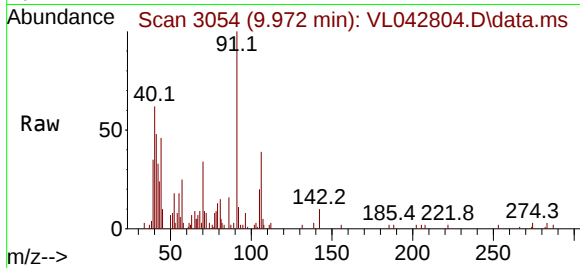




#60
o-Xylene
Concen: 0.075 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

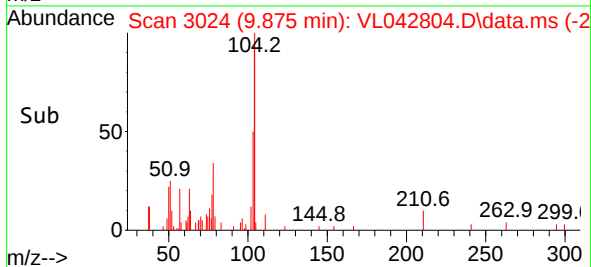
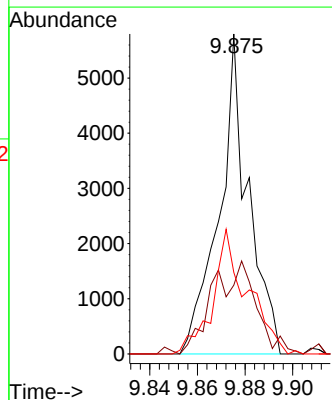
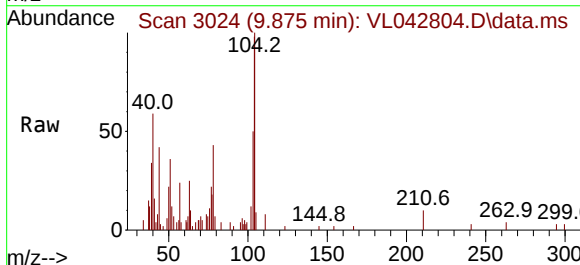
Instrument :
MSVOA_L
ClientSampleId :

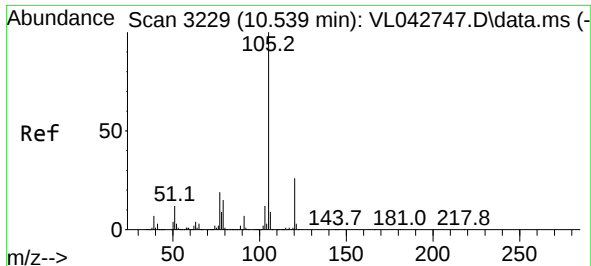
Tgt Ion: 91 Resp: 3823
Ion Ratio Lower Upper
91 100
106 61.4 22.0 66.0



#61
Styrene
Concen: 0.228 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 104 Resp: 4911
Ion Ratio Lower Upper
104 100
78 45.2 41.5 62.3
103 46.1 37.5 56.3

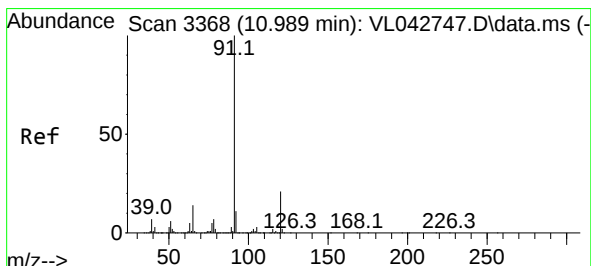
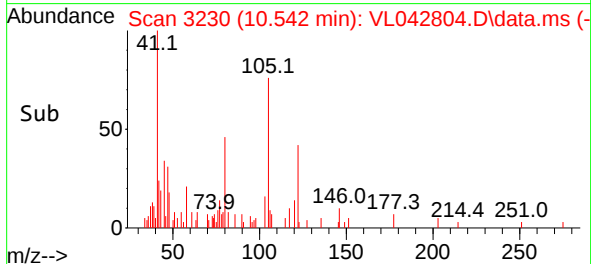
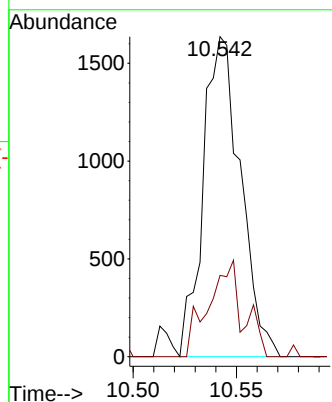
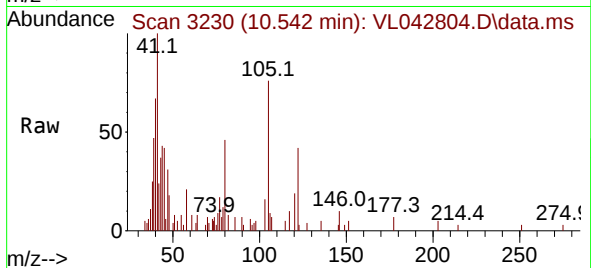




#62
Isopropylbenzene
Concen: 0.027 ppbv
RT: 10.542 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

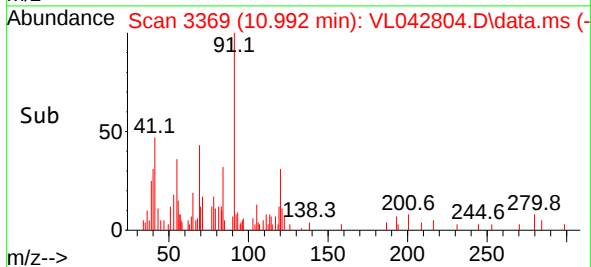
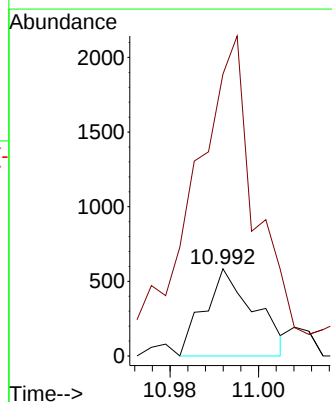
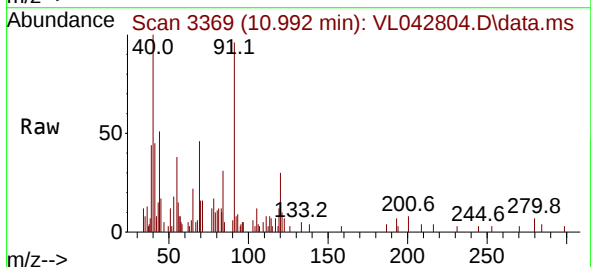
Instrument :
MSVOA_L
ClientSampleId :

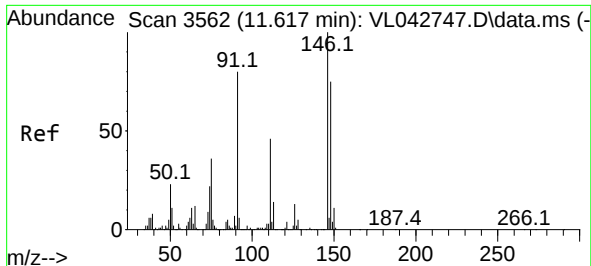
Tgt Ion:105 Resp: 2059
Ion Ratio Lower Upper
105 100
120 28.3 20.5 30.7



#64
n-propylbenzene
Concen: 0.023 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion:120 Resp: 458
Ion Ratio Lower Upper
120 100
91 0.0 372.7 559.1#

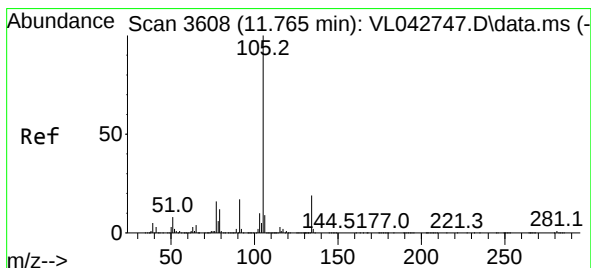
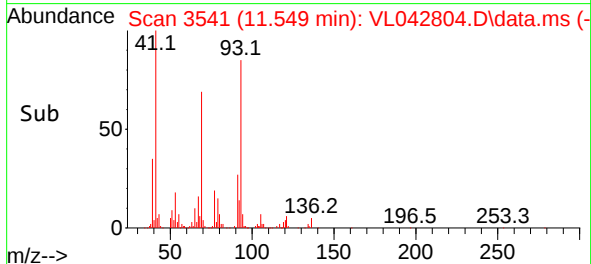
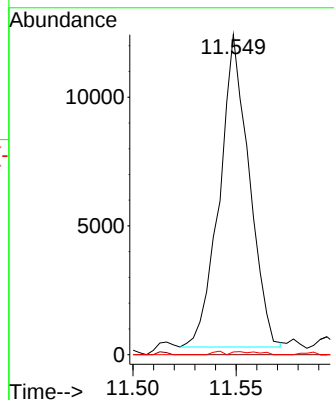
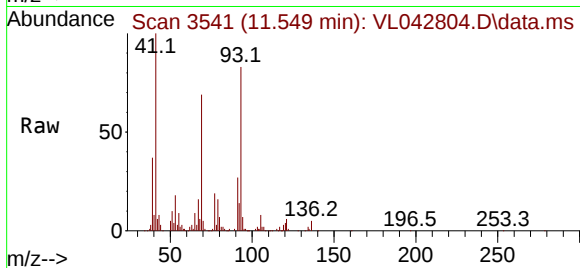




#66
Benzyl Chloride
Concen: 2.197 ppbv
RT: 11.549 min Scan# 31
Delta R.T. -0.068 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

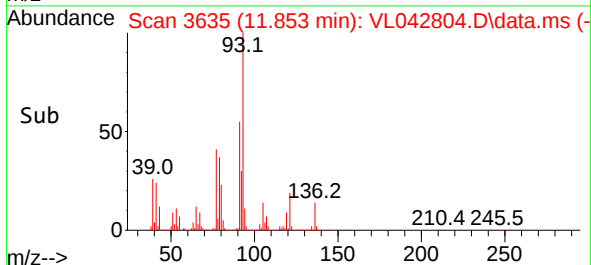
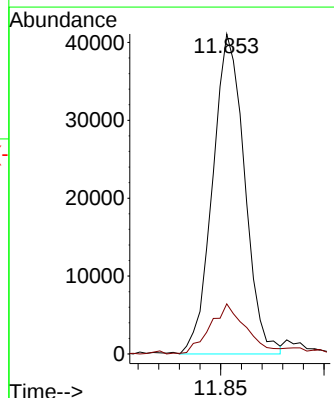
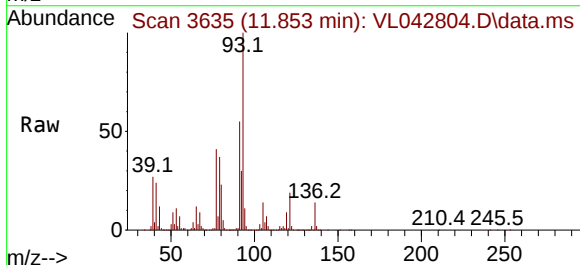
Instrument :
MSVOA_L
ClientSampleId :

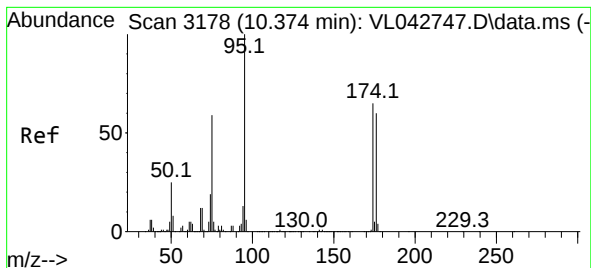
Tgt Ion: 91 Resp: 12100
Ion Ratio Lower Upper
91 100
126 0.3 14.4 21.6#
128 1.6 5.2 7.8#



#67
sec-Butylbenzene
Concen: 0.463 ppbv
RT: 11.853 min Scan# 3635
Delta R.T. 0.087 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 105 Resp: 44174
Ion Ratio Lower Upper
105 100
134 19.9 15.5 23.3

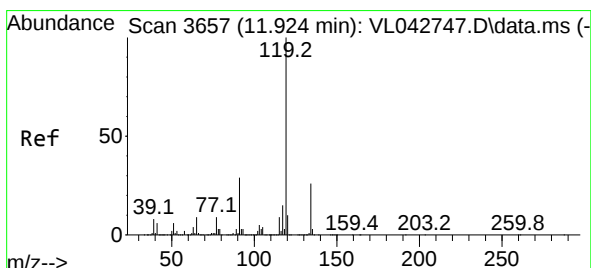
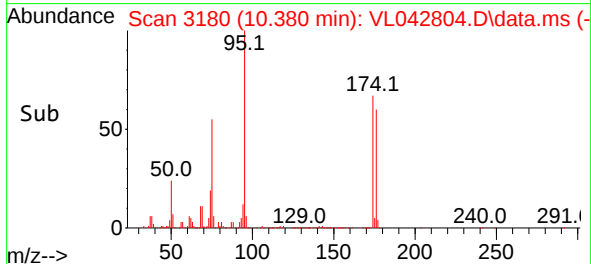
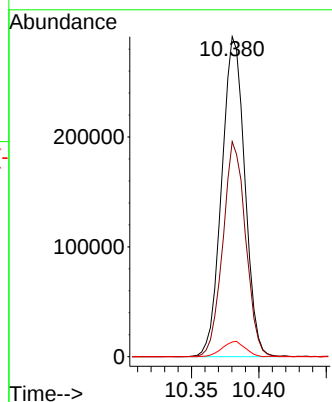
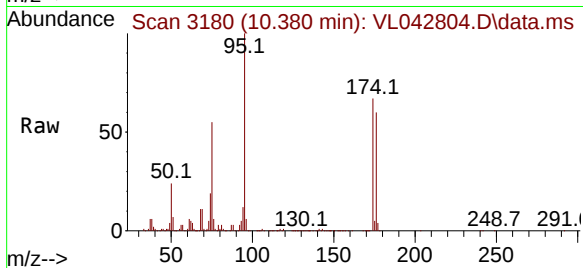




#68
1-Bromo-4-Fluorobenzene
Concen: 10.788 ppbv
RT: 10.380 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

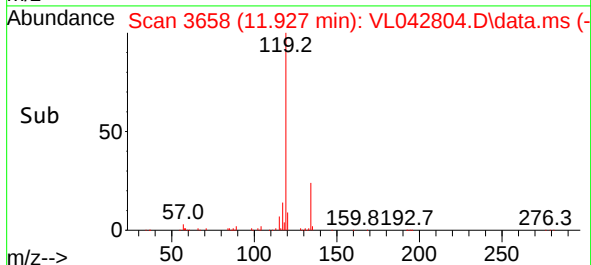
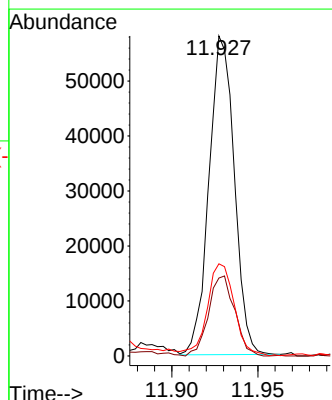
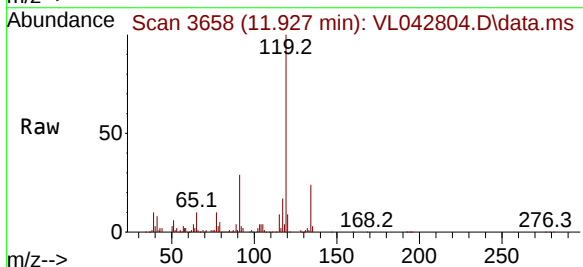
Instrument :
MSVOA_L
ClientSampleId :

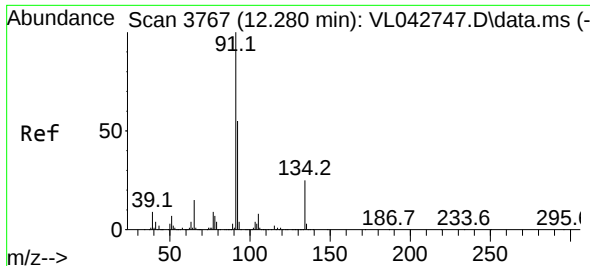
Tgt Ion: 95 Resp: 346897
Ion Ratio Lower Upper
95 100
174 66.4 53.8 80.6
175 4.8 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.762 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 119 Resp: 59315
Ion Ratio Lower Upper
119 100
134 26.1 20.6 31.0
91 31.7 23.2 34.8

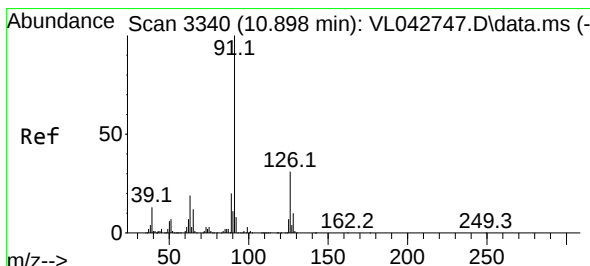
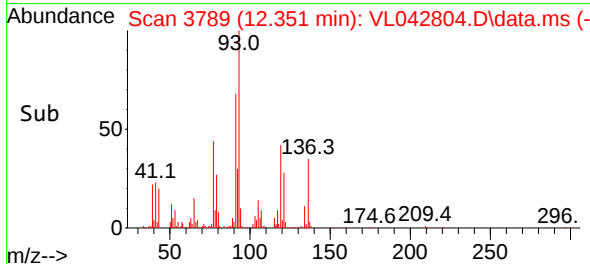
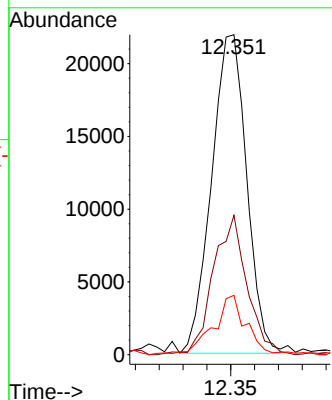
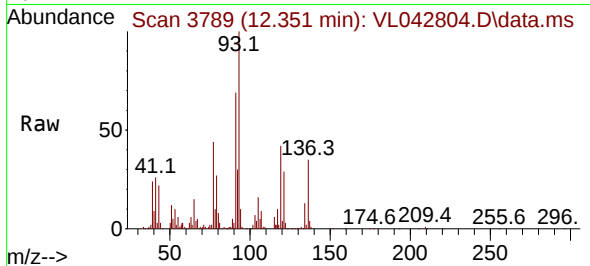




#70
n-Butylbenzene
Concen: 0.298 ppbv
RT: 12.351 min Scan# 31
Delta R.T. 0.071 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

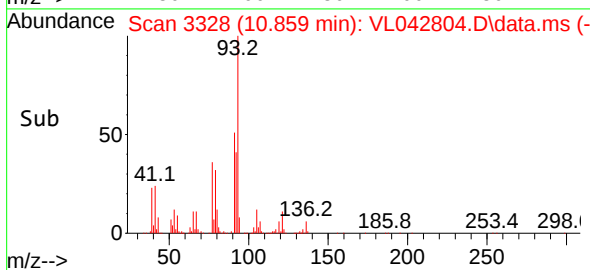
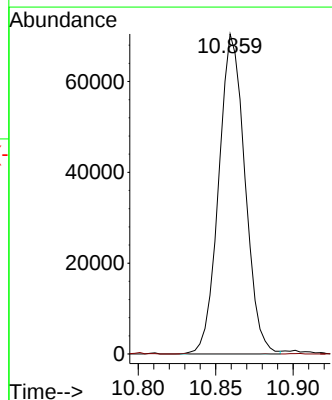
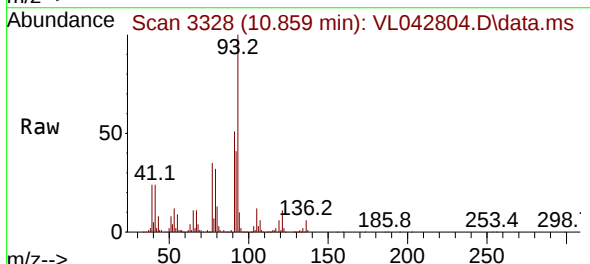
Instrument :
MSVOA_L
ClientSampleId :

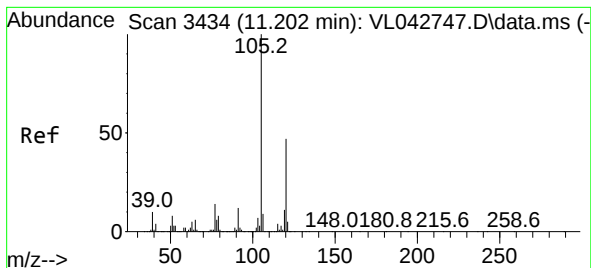
Tgt Ion: 91 Resp: 22421
Ion Ratio Lower Upper
91 100
92 42.5 43.4 65.2#
134 17.9 19.6 29.4#



#71
2-Chlorotoluene
Concen: 1.434 ppbv
RT: 10.859 min Scan# 3328
Delta R.T. -0.039 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion: 91 Resp: 83071
Ion Ratio Lower Upper
91 100
126 0.1 12.0 48.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.024 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

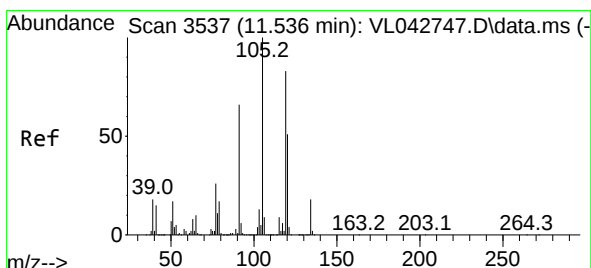
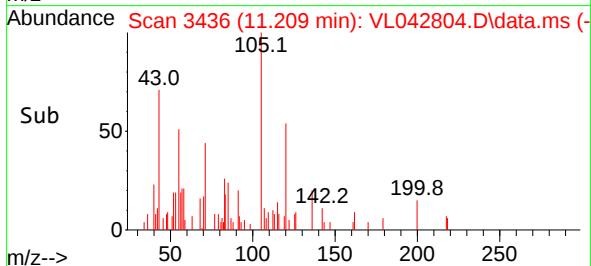
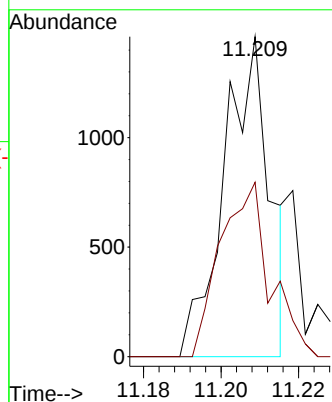
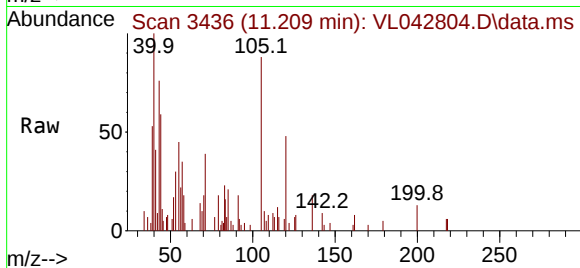
ClientSampleId :

Tgt Ion:105 Resp: 1195

Ion Ratio Lower Upper

105 100

120 54.5 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.144 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Tgt Ion:105 Resp: 7912

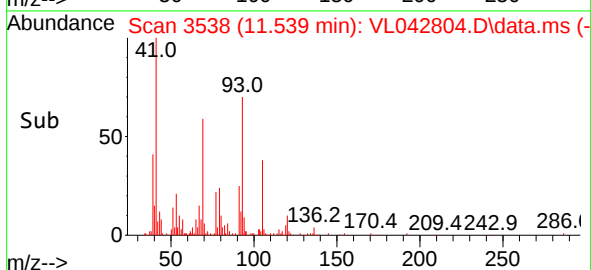
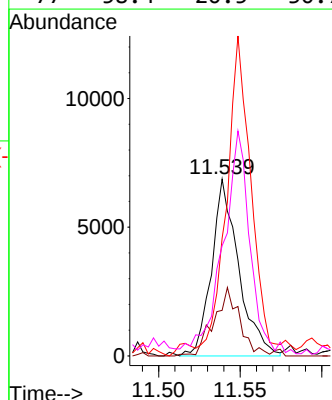
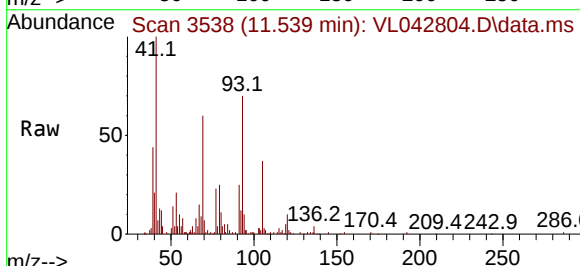
Ion Ratio Lower Upper

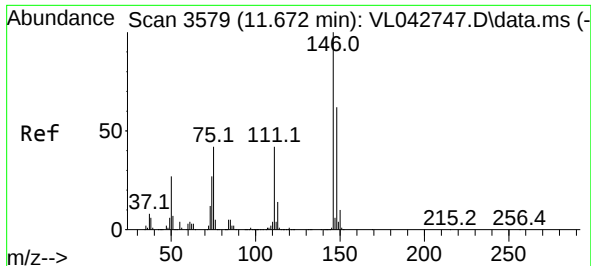
105 100

120 24.8 40.8 61.2#

91 60.1 53.0 79.4

77 58.4 20.5 30.7#

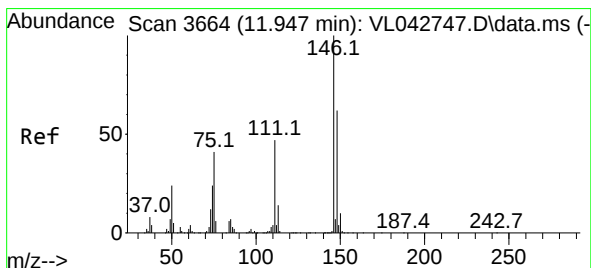
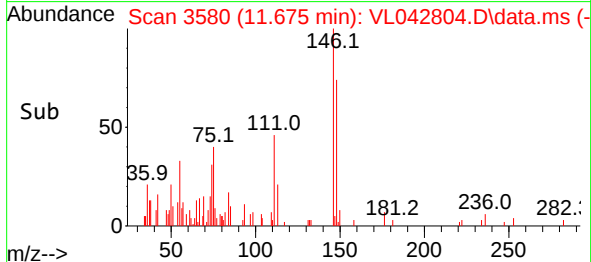
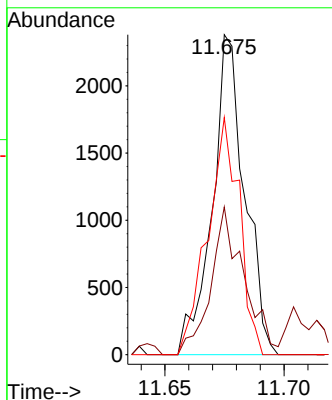
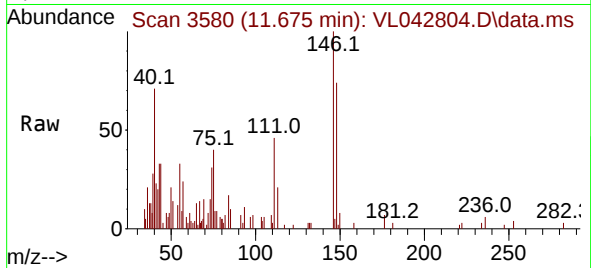




#76
1,4-Dichlorobenzene
Concen: 0.060 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

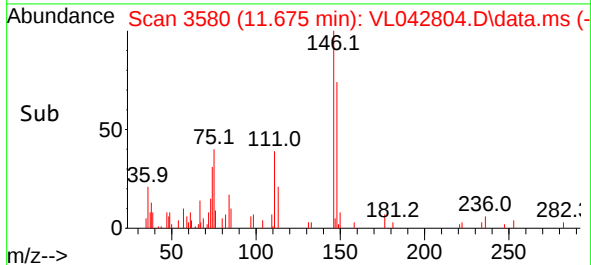
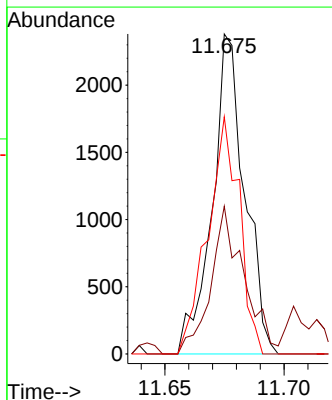
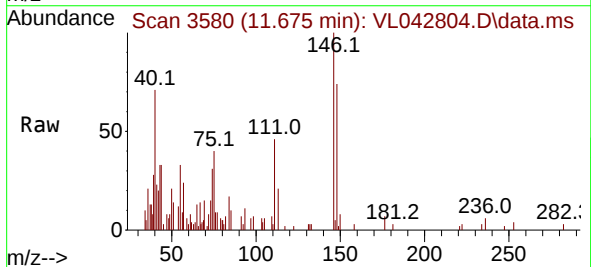
Instrument :
MSVOA_L
ClientSampleId :

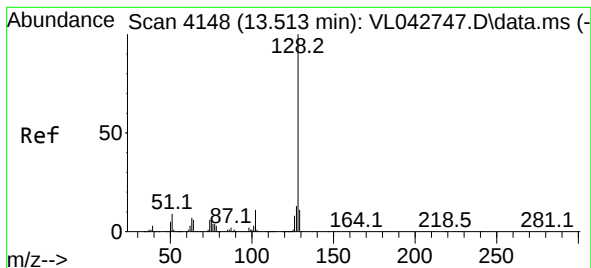
Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.3	21.4	64.2
148	72.3	32.1	96.3



#77
1,2-Dichlorobenzene
Concen: 0.060 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.272 min
Lab File: VL042804.D
Acq: 04 Aug 2025 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.7	71.1
148	72.3	32.6	97.7





#79

Naphthalene

Concen: 0.463 ppbv

RT: 13.523 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

Instrument :

MSVOA_L

ClientSampleId :

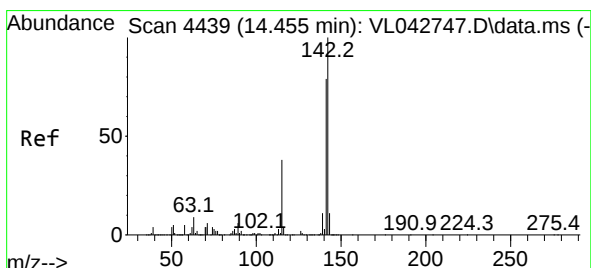
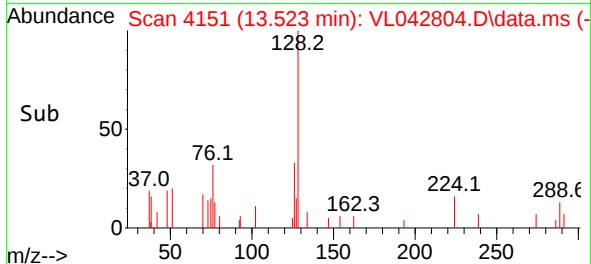
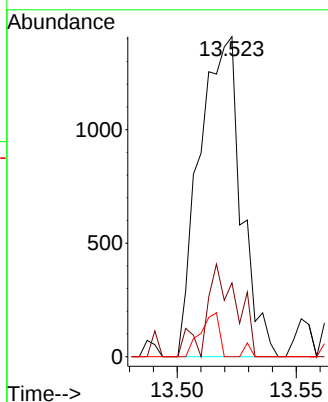
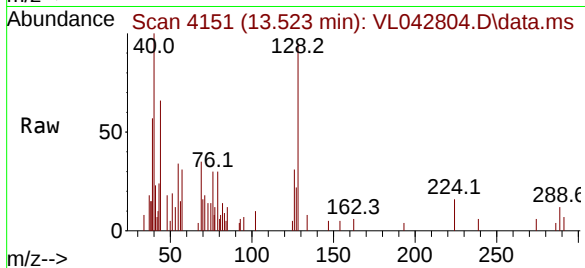
Tgt Ion:128 Resp: 1719

Ion Ratio Lower Upper

128 100

127 23.1 10.5 15.7#

129 0.0 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 1.130 ppbv

RT: 14.293 min Scan# 4389

Delta R.T. -0.162 min

Lab File: VL042804.D

Acq: 04 Aug 2025 14:37

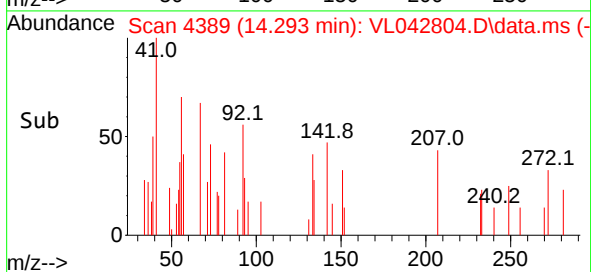
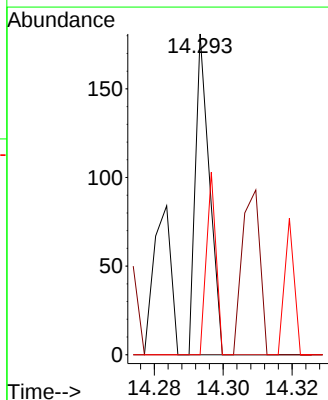
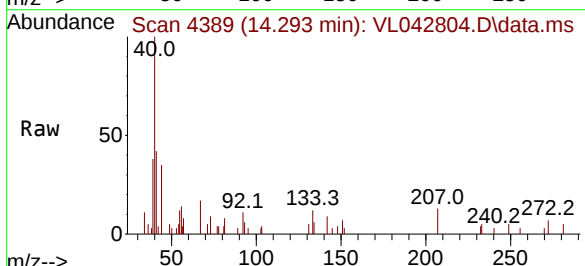
Tgt Ion:142 Resp: 51

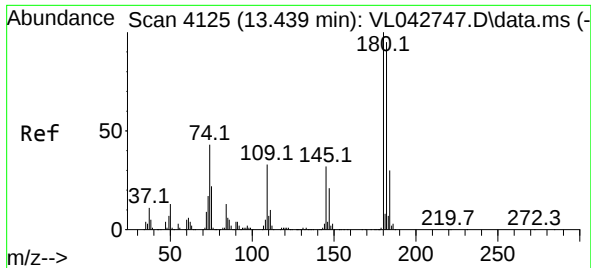
Ion Ratio Lower Upper

142 100

141 66.7 65.8 98.8

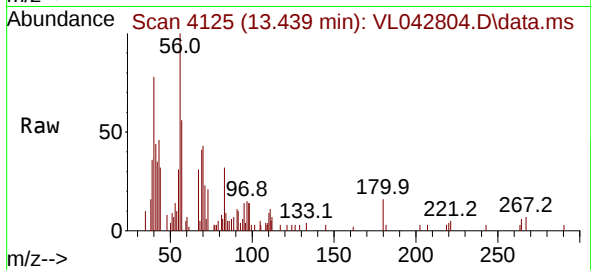
115 39.2 31.2 46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.441 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042804.D
 Acq: 04 Aug 2025 14:37

Instrument :
 MSVOA_L
 ClientSampleId :



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

