

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043184.D
 Acq On : 11 Nov 2025 11:09
 Operator : SY/MD
 Sample : Q3594-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

Quant Time: Nov 12 00:15:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	143981	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	398798	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	340442	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	266301	10.064	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.505	85	8544	0.417	ppbv	97
3) Chlorodifluoromethane	1.473	51	20892	0.943	ppbv #	73
4) Chloromethane	1.538	50	2866	0.353	ppbv	99
9) Propene	1.489	41	35319	3.596	ppbv	93
10) Heptane	5.004	43	16898	0.598	ppbv #	77
11) Trichlorofluoromethane	1.887	101	5001	0.250	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	1125	0.070	ppbv #	67
13) Ethanol	1.729	45	84846	23.353	ppbv	99
15) Acetone	1.852	43	143662	7.403	ppbv #	75
16) 1,3-Butadiene	1.609	39	10726	1.160	ppbv #	55
19) Isopropyl Alcohol	1.894	45	27223	2.252	ppbv #	49
20) Methylene Chloride	2.072	84	173370	22.601	ppbv	97
21) Allyl Chloride	2.088	41	4823	0.337	ppbv #	15
22) trans-1,2-Dichloroethene	2.350	96	423	0.050	ppbv #	54
23) Vinyl Acetate	2.486	43	87963	3.094	ppbv #	47
25) Ethyl Acetate	2.839	43	313272	6.509	ppbv #	78
26) Hexane	2.839	57	434603	19.598	ppbv #	42
30) Cyclohexane	3.871	84	10539	0.545	ppbv	85
34) 2-Butanone	2.567	43	6659	0.248	ppbv	100
36) Benzene	3.674	78	56958	1.516	ppbv	97
39) 1,2-Dichloropropane	3.975	63	100655	7.330	ppbv #	26
41) Tetrahydrofuran	3.247	42	8403	0.560	ppbv #	37
44) 2,2,4-Trimethylpentane	4.661	57	88418	1.395	ppbv #	89
52) Tetrachloroethene	8.238	164	520	0.038	ppbv #	34
53) Toluene	6.953	91	169684	3.806	ppbv	99
58) Ethyl Benzene	9.367	91	42063	0.720	ppbv	97
59) m/p-Xylene	9.542	91	110065	2.362	ppbv	97
60) o-Xylene	9.976	91	40598	0.882	ppbv	98
61) Styrene	9.882	104	3061	0.147	ppbv #	89
62) Isopropylbenzene	10.552	105	16119	0.194	ppbv	100
64) n-propylbenzene	11.002	120	2151	0.098	ppbv	93
65) tert-Butylbenzene	11.545	119	4288	0.058	ppbv #	54
72) 4-Ethyltoluene	11.138	105	5444	0.096	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.212	105	9165	0.196	ppbv	95
74) 1,2,4-Trimethylbenzene	11.545	105	37147	0.711	ppbv #	50
75) 1,3-Dichlorobenzene	11.685	146	4152	0.137	ppbv	96
76) 1,4-Dichlorobenzene	11.685	146	4152	0.136	ppbv	94
77) 1,2-Dichlorobenzene	11.685	146	4152	0.142	ppbv	97
79) Naphthalene	13.523	128	3248	0.059	ppbv #	86
80) Naphthalene,2-methyl-	14.471	142	499	0.035	ppbv #	64

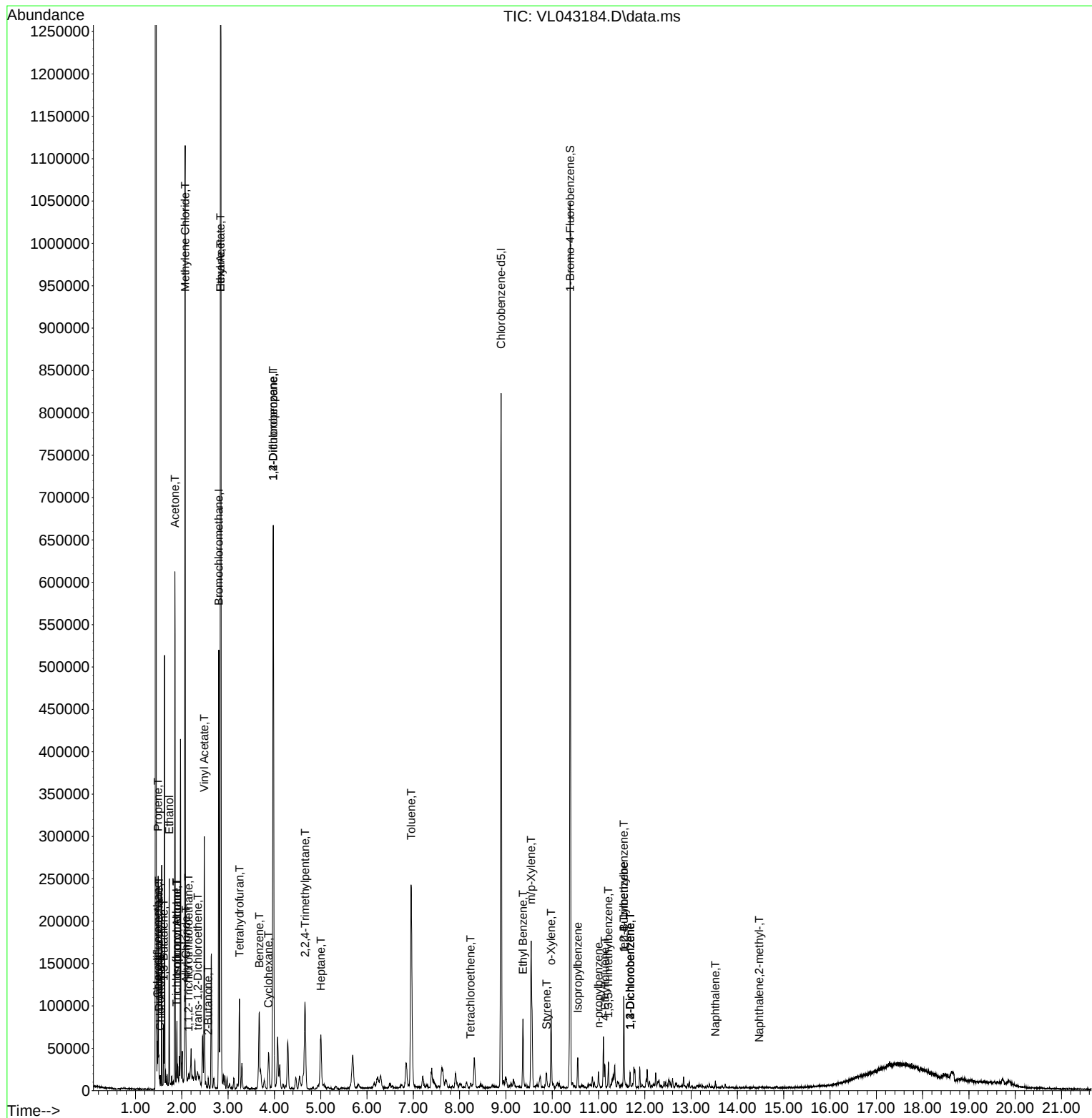
(#) = qualifier out of range (m) = manual integration (+) = signals summed

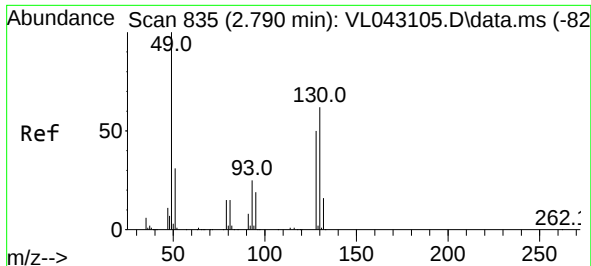
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043184.D
Acq On : 11 Nov 2025 11:09
Operator : SY/MD
Sample : Q3594-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Quant Time: Nov 12 00:15:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

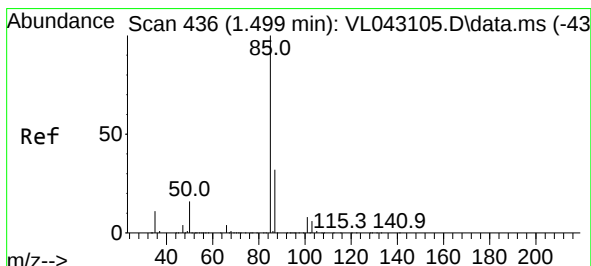
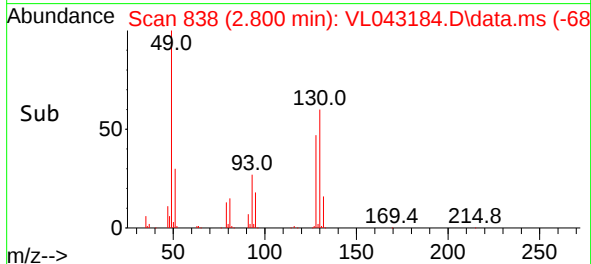
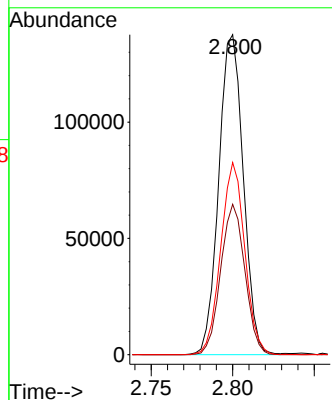
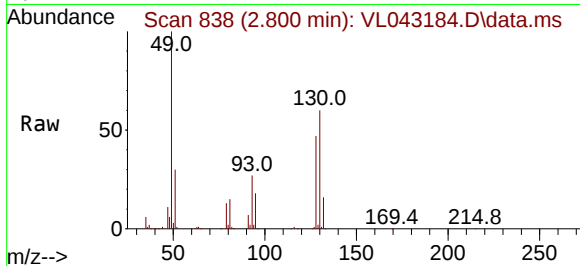




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 835
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

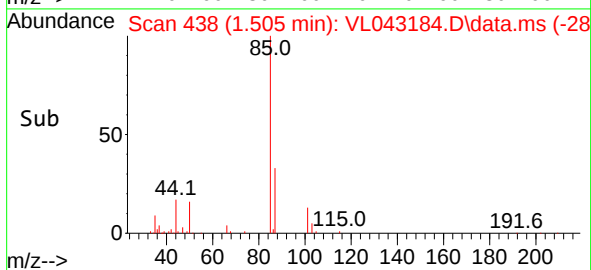
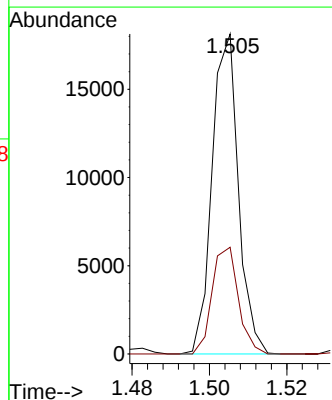
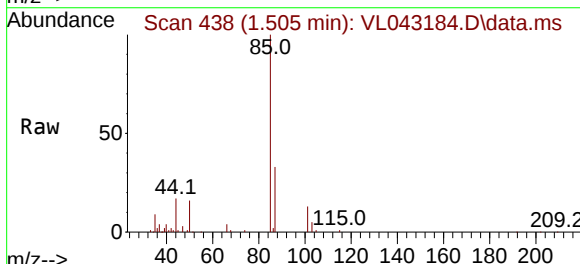
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

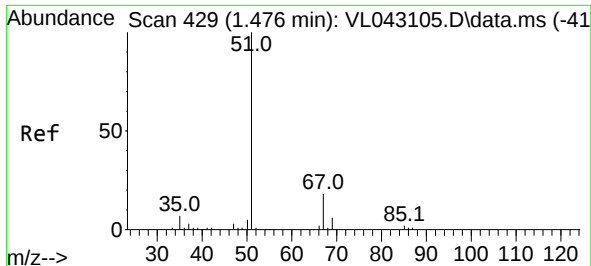
Tgt Ion: 49 Resp: 143981
Ion Ratio Lower Upper
49 100
128 46.3 24.4 73.4
130 58.8 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.417 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 85 Resp: 8544
Ion Ratio Lower Upper
85 100
87 33.3 25.3 37.9

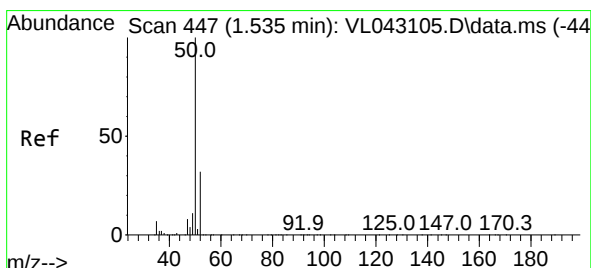
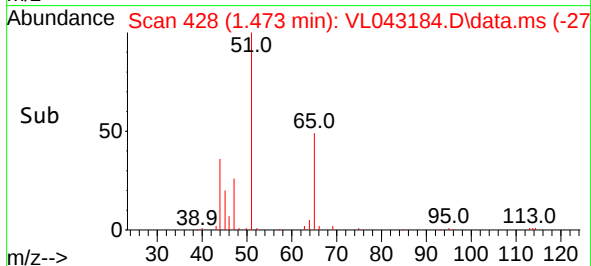
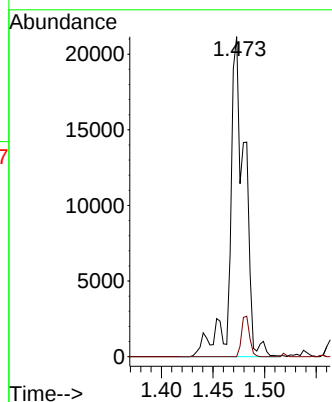
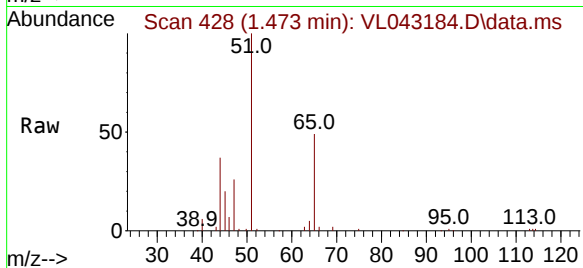




#3
Chlorodifluoromethane
Concen: 0.943 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

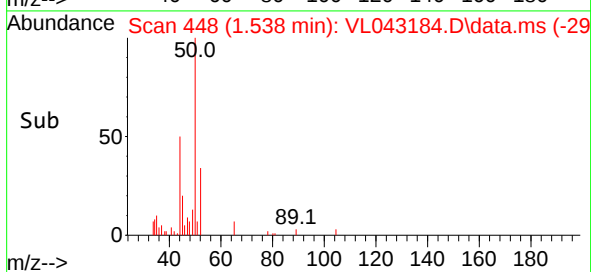
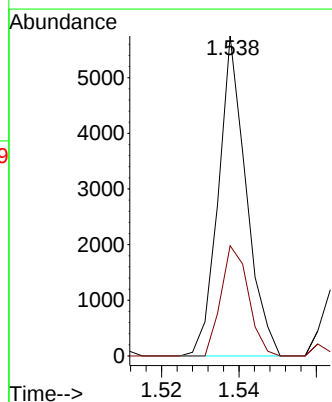
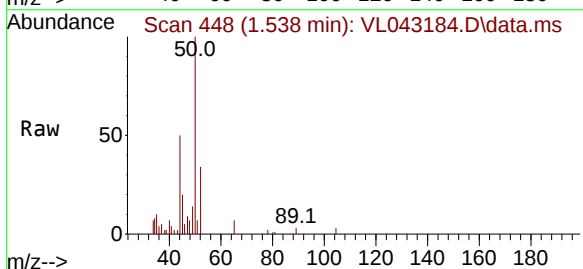
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

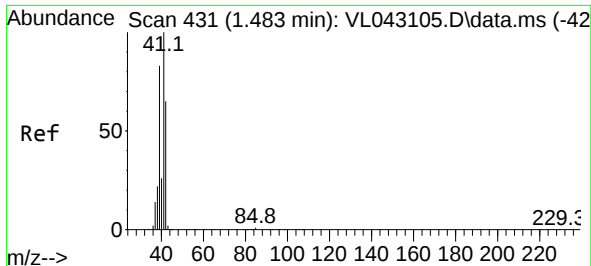
Tgt Ion: 51 Resp: 20892
Ion Ratio Lower Upper
51 100
67 6.9 15.1 22.7#



#4
Chloromethane
Concen: 0.353 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 50 Resp: 2866
Ion Ratio Lower Upper
50 100
52 32.1 25.2 37.8





#9

Propene

Concen: 3.596 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043184.D

Acq: 11 Nov 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

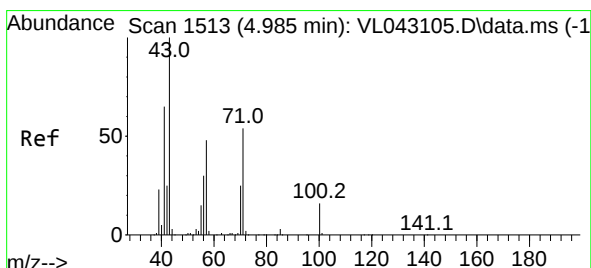
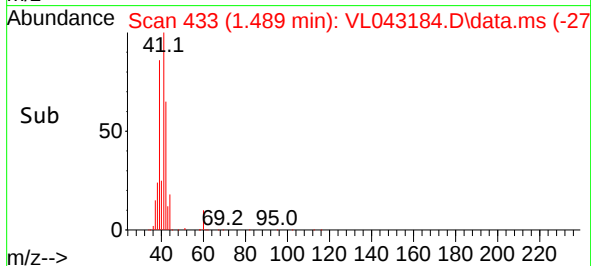
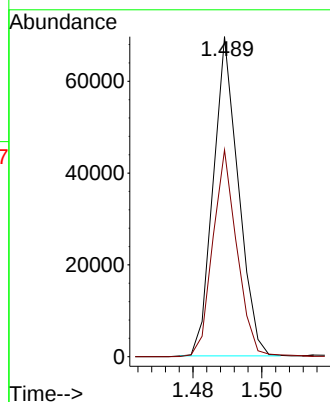
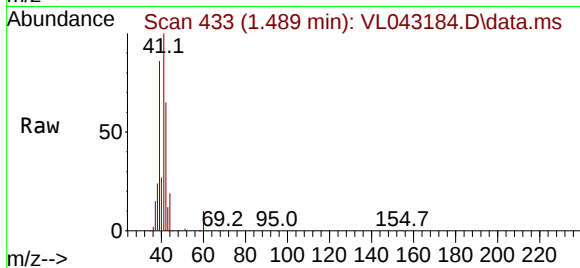
IA1ADUP

Tgt Ion: 41 Resp: 35319

Ion Ratio Lower Upper

41 100

42 63.4 55.1 82.7



#10

Heptane

Concen: 0.598 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.019 min

Lab File: VL043184.D

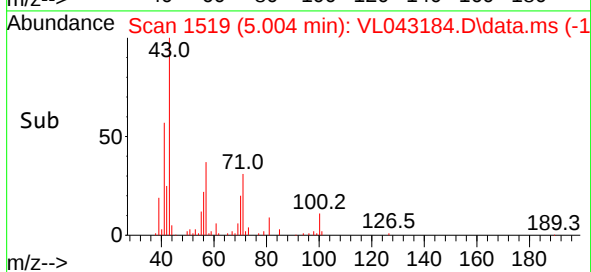
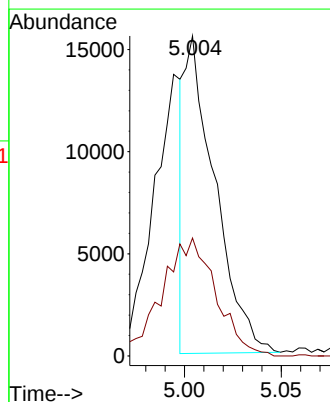
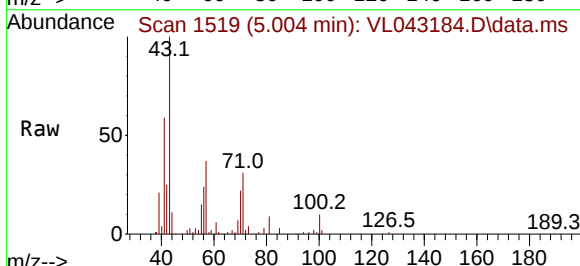
Acq: 11 Nov 2025 11:09

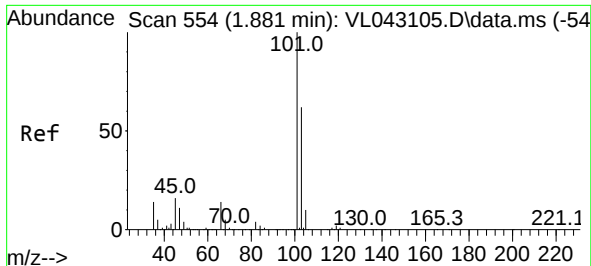
Tgt Ion: 43 Resp: 16898

Ion Ratio Lower Upper

43 100

57 67.0 40.8 61.2#

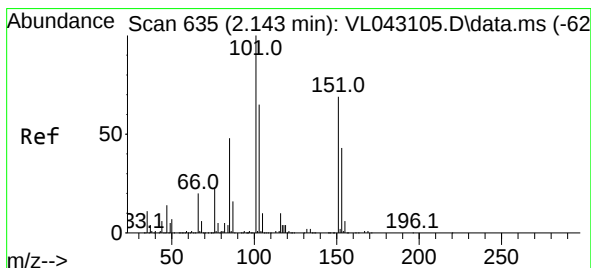
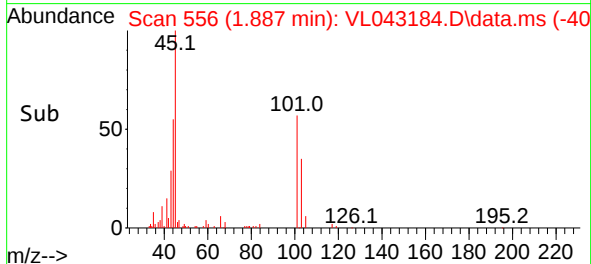
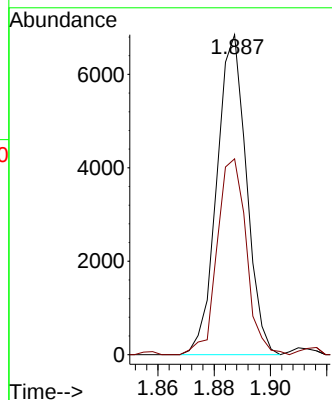
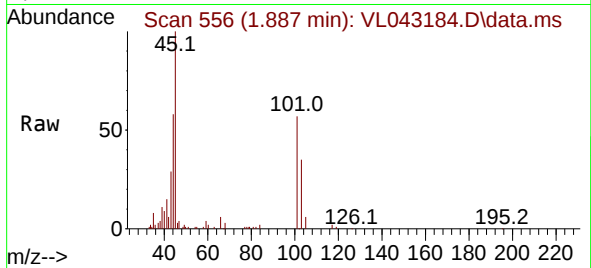




#11
 Trichlorofluoromethane
 Concen: 0.250 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL043184.D
 Acq: 11 Nov 2025 11:09

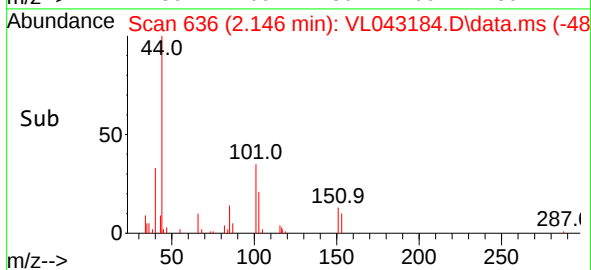
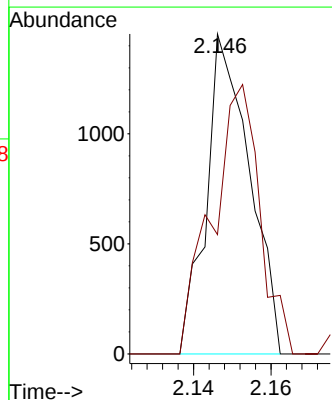
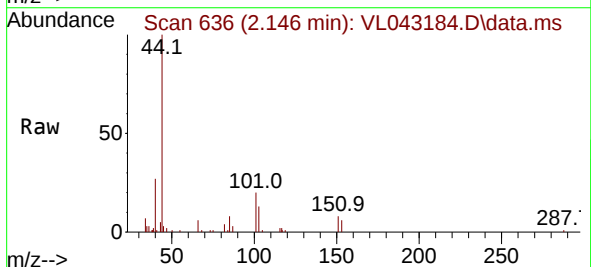
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

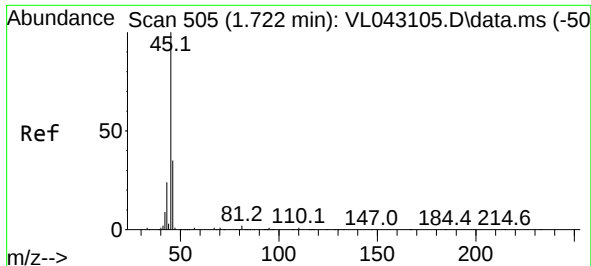
Tgt Ion:101 Resp: 5001
 Ion Ratio Lower Upper
 101 100
 103 61.2 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.070 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL043184.D
 Acq: 11 Nov 2025 11:09

Tgt Ion:101 Resp: 1125
 Ion Ratio Lower Upper
 101 100
 151 95.4 54.7 82.1#

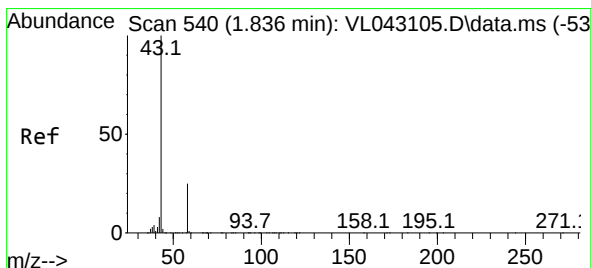
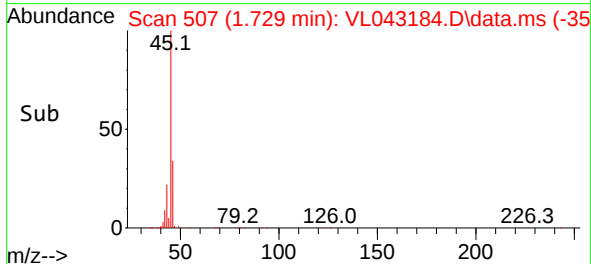
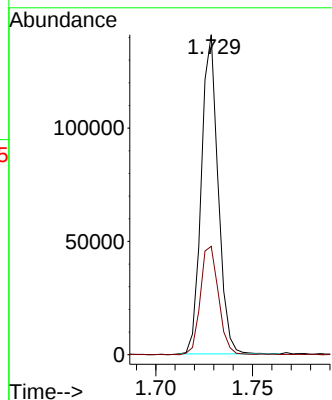
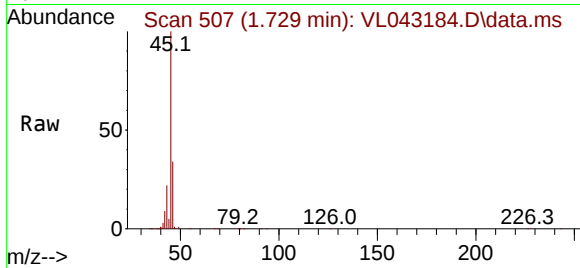




#13
 Ethanol
 Concen: 23.353 ppbv
 RT: 1.729 min Scan# 505
 Delta R.T. 0.006 min
 Lab File: VL043184.D
 Acq: 11 Nov 2025 11:09

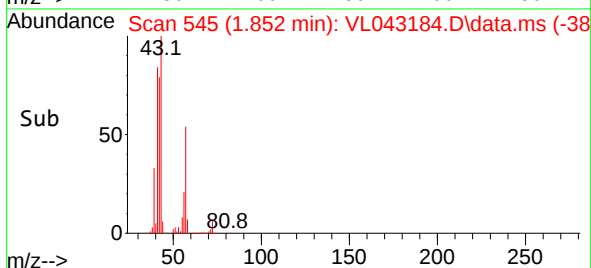
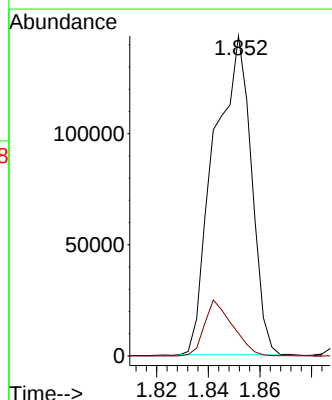
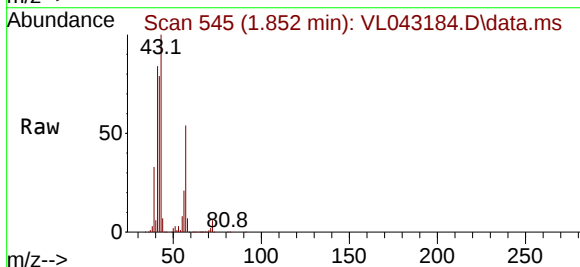
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1ADUP

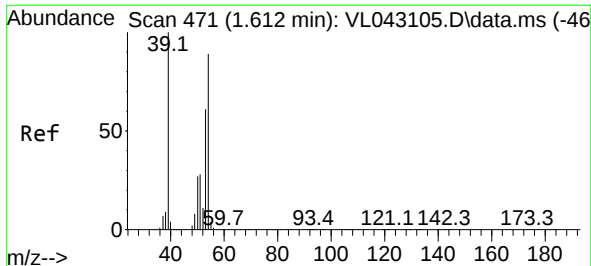
Tgt Ion: 45 Resp: 84846
 Ion Ratio Lower Upper
 45 100
 46 37.4 14.7 58.9



#15
 Acetone
 Concen: 7.403 ppbv
 RT: 1.852 min Scan# 545
 Delta R.T. 0.016 min
 Lab File: VL043184.D
 Acq: 11 Nov 2025 11:09

Tgt Ion: 43 Resp: 143662
 Ion Ratio Lower Upper
 43 100
 58 13.3 20.8 31.2#





#16

1,3-Butadiene

Concen: 1.160 ppbv

RT: 1.609 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043184.D

Acq: 11 Nov 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

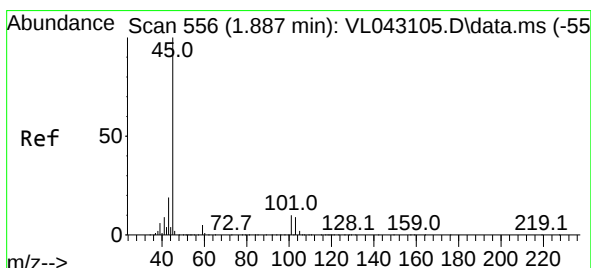
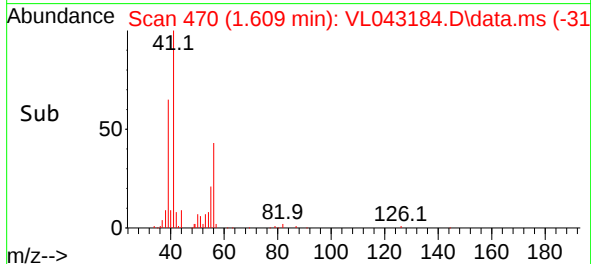
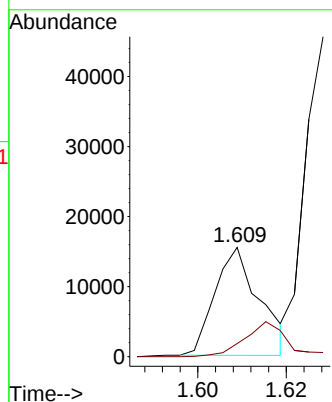
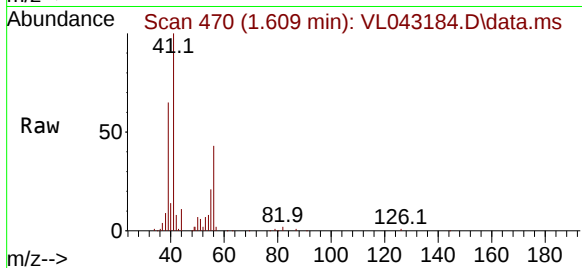
IA1ADUP

Tgt Ion: 39 Resp: 10726

Ion Ratio Lower Upper

39 100

54 35.9 59.0 88.4#



#19

Isopropyl Alcohol

Concen: 2.252 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.006 min

Lab File: VL043184.D

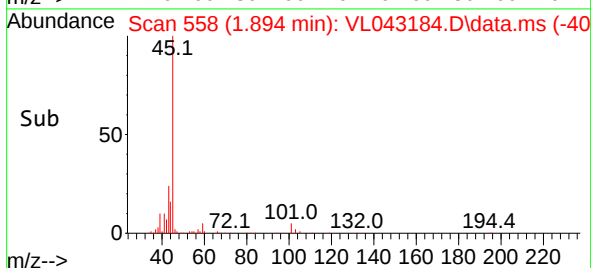
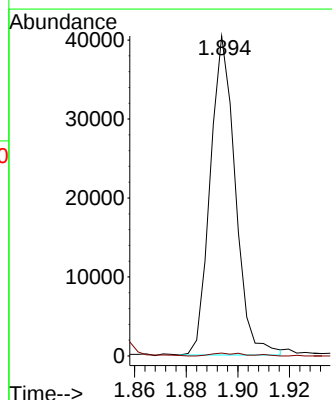
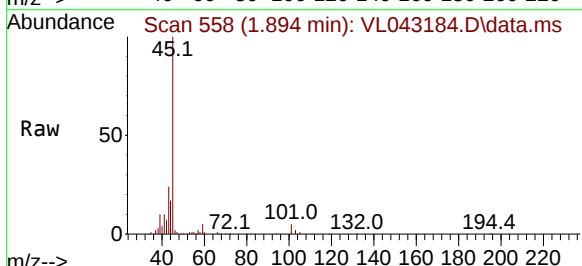
Acq: 11 Nov 2025 11:09

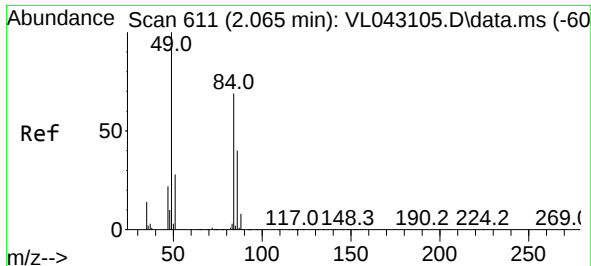
Tgt Ion: 45 Resp: 27223

Ion Ratio Lower Upper

45 100

58 70.3 31.3 46.9#

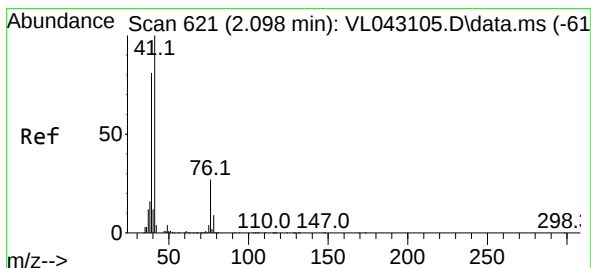
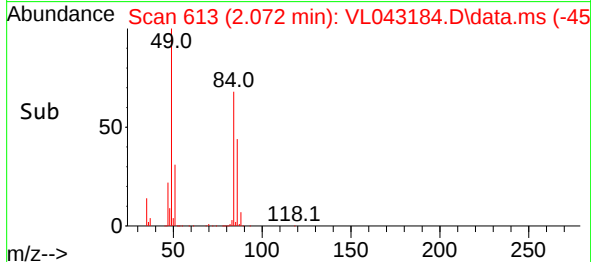
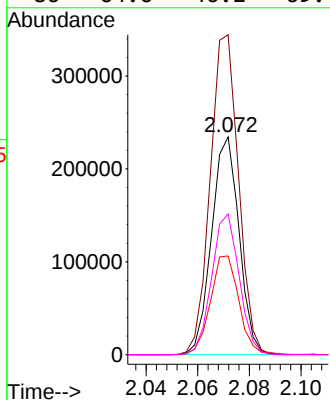
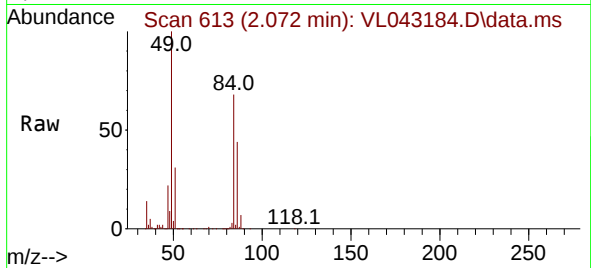




#20
Methylene Chloride
Concen: 22.601 ppbv
RT: 2.072 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

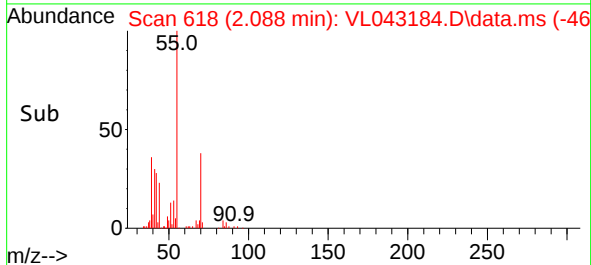
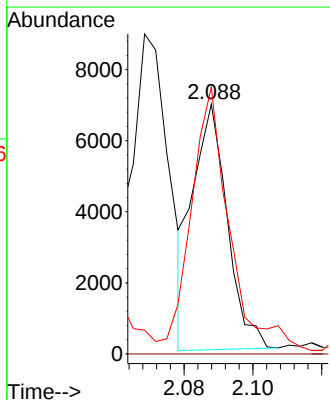
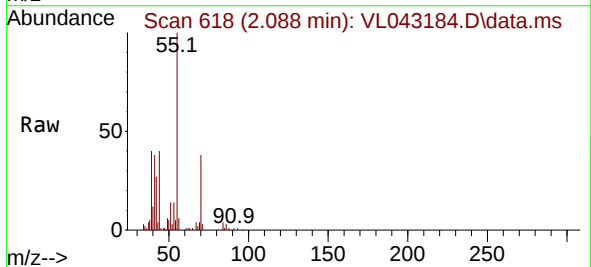
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

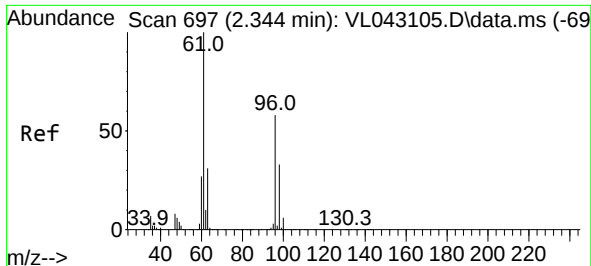
Tgt Ion: 84 Resp: 173370
Ion Ratio Lower Upper
84 100
49 146.8 116.6 175.0
51 45.2 34.8 52.2
86 64.6 46.2 69.4



#21
Allyl Chloride
Concen: 0.337 ppbv
RT: 2.088 min Scan# 618
Delta R.T. -0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 41 Resp: 4823
Ion Ratio Lower Upper
41 100
76 0.0 21.5 32.3#
39 159.3 60.8 91.2#

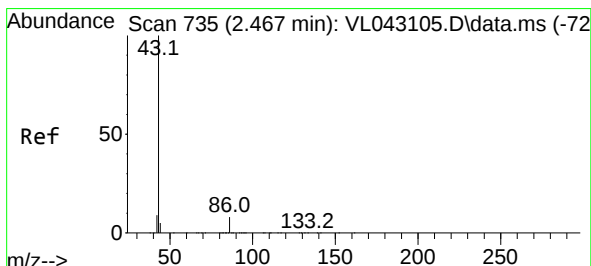
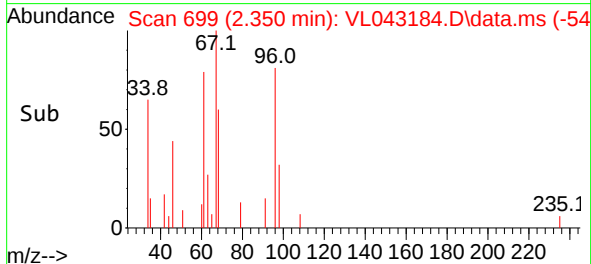
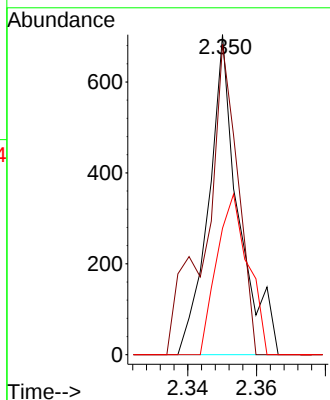
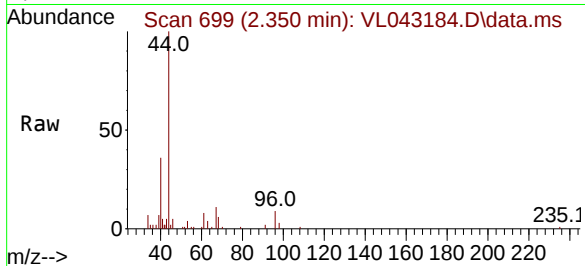




#22
trans-1,2-Dichloroethene
Concen: 0.050 ppbv
RT: 2.350 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

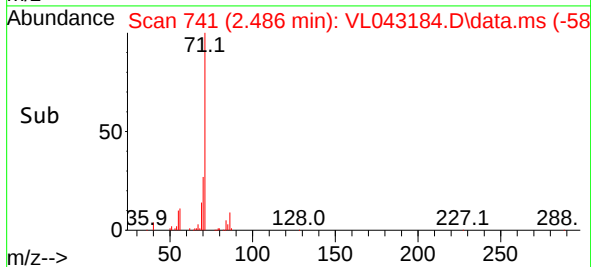
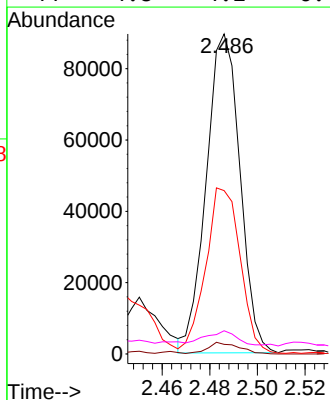
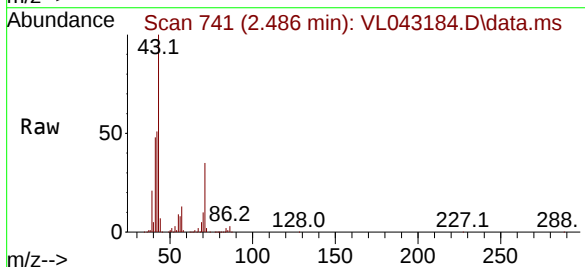
Instrument :
MSVOA_1
ClientSampleId :
IA1ADUP

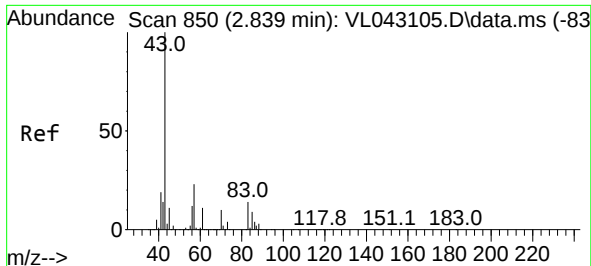
Tgt Ion: 96 Resp: 423
Ion Ratio Lower Upper
96 100
61 97.0 137.0 205.6#
98 39.5 45.5 68.3#



#23
Vinyl Acetate
Concen: 3.094 ppbv
RT: 2.486 min Scan# 741
Delta R.T. 0.019 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 43 Resp: 87963
Ion Ratio Lower Upper
43 100
86 3.0 6.2 9.2#
42 50.9 7.6 11.4#
44 4.8 4.2 6.4

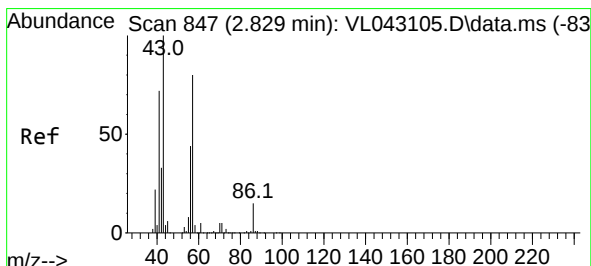
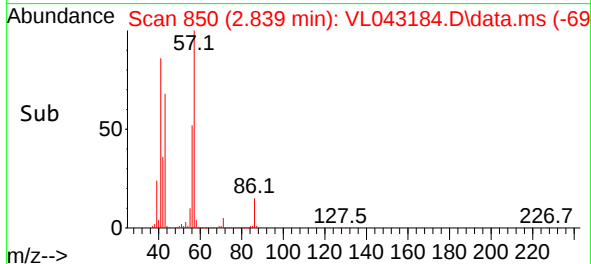
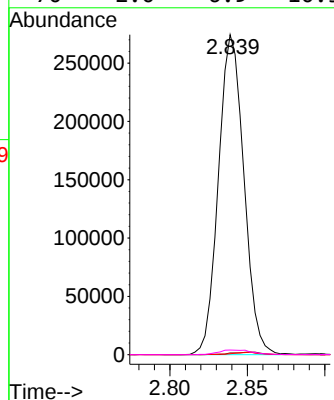
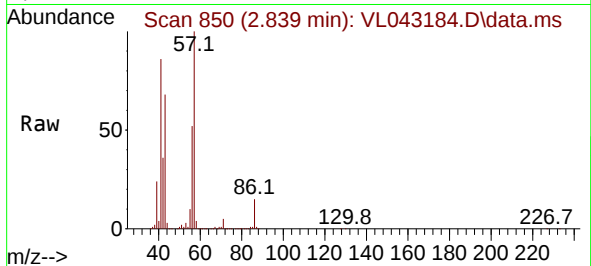




#25
Ethyl Acetate
Concen: 6.509 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

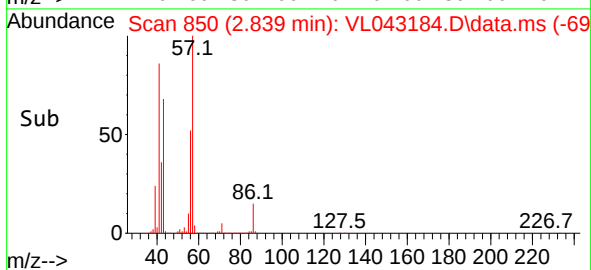
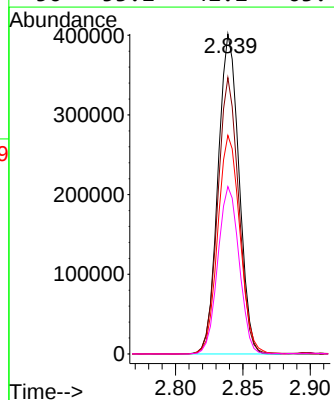
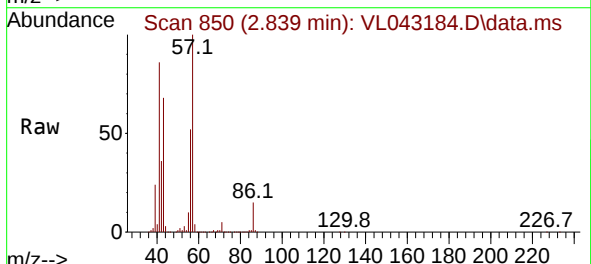
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

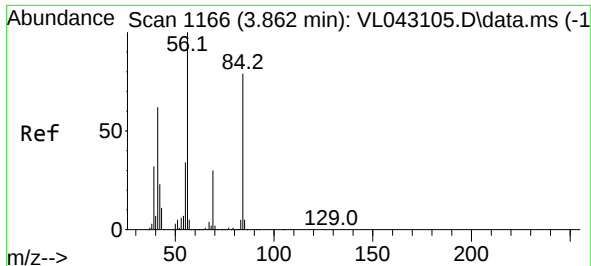
Tgt Ion: 43 Resp: 313272
Ion Ratio Lower Upper
43 100
45 1.0 7.8 11.8#
61 0.8 7.0 10.6#
70 2.0 6.9 10.3#



#26
Hexane
Concen: 19.598 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 57 Resp: 434603
Ion Ratio Lower Upper
57 100
41 86.5 71.4 107.0
43 72.2 178.5 267.7#
56 53.2 42.2 63.4

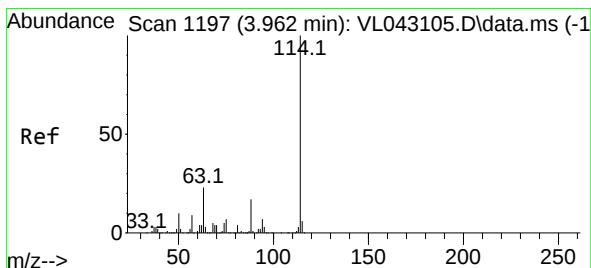
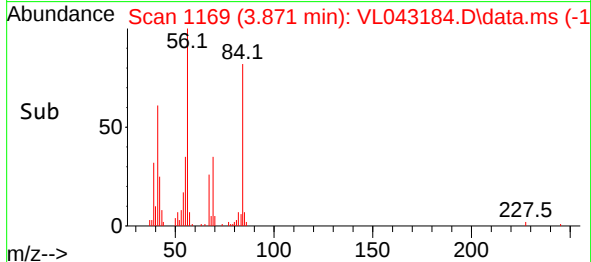
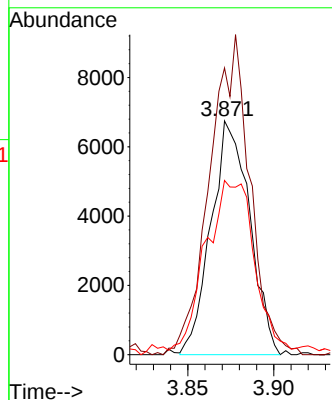
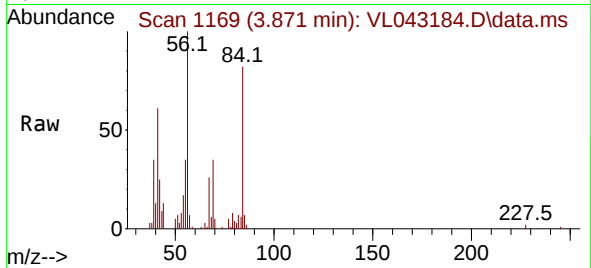




#30
Cyclohexane
Concen: 0.545 ppbv
RT: 3.871 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

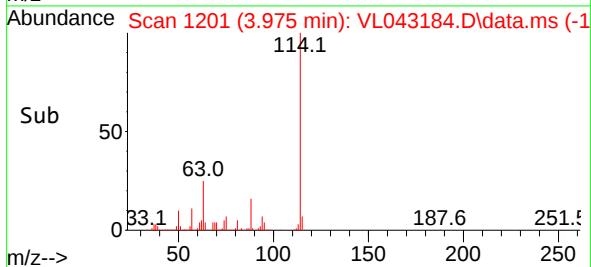
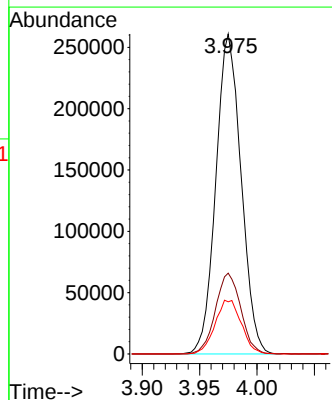
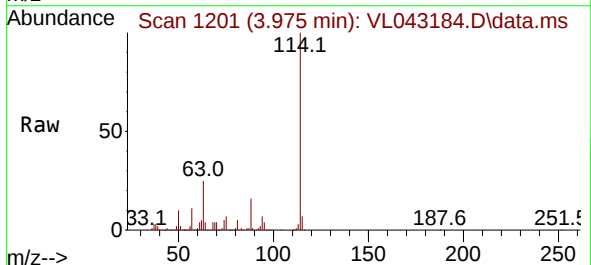
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

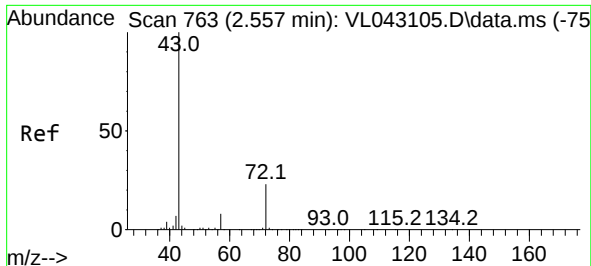
Tgt Ion: 84 Resp: 10539
Ion Ratio Lower Upper
84 100
56 142.2 100.9 151.3
41 94.5 63.8 95.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.013 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 114 Resp: 398798
Ion Ratio Lower Upper
114 100
63 25.4 19.3 28.9
88 17.6 13.9 20.9

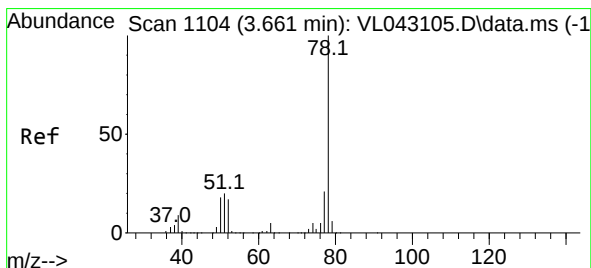
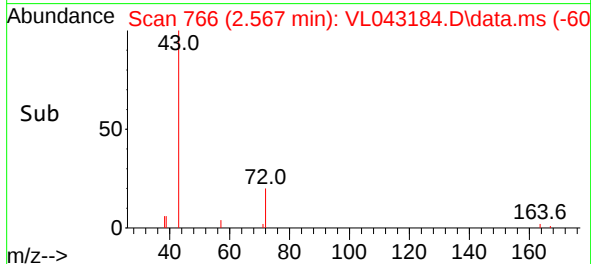
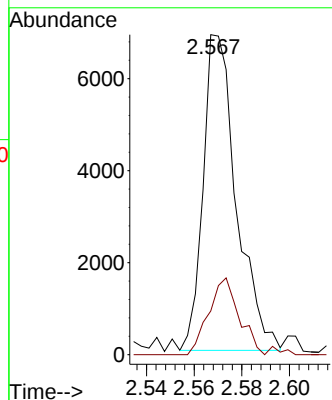
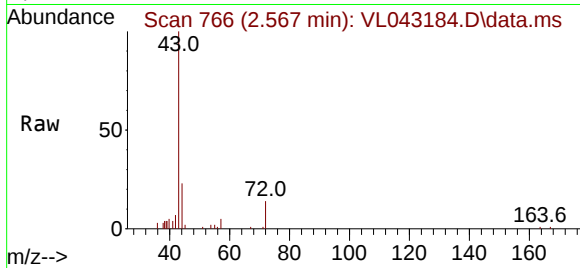




#34
2-Butanone
Concen: 0.248 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

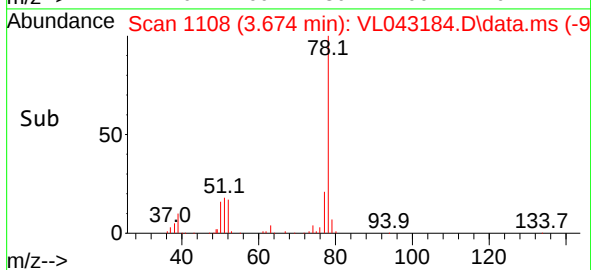
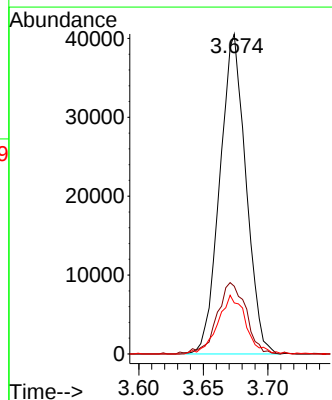
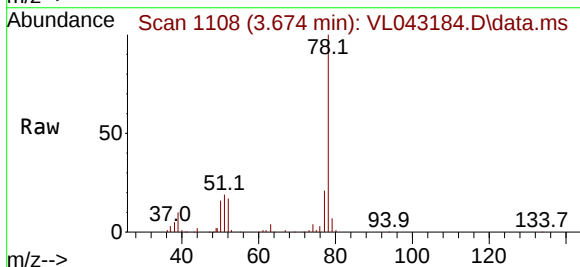
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

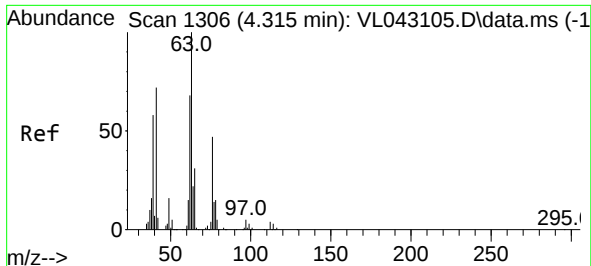
Tgt Ion: 43 Resp: 6659
Ion Ratio Lower Upper
43 100
72 23.2 18.4 27.6



#36
Benzene
Concen: 1.516 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.013 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 78 Resp: 56958
Ion Ratio Lower Upper
78 100
77 21.1 17.0 25.6
50 15.9 14.6 22.0





#39

1,2-Dichloropropane

Concen: 7.330 ppbv

RT: 3.975 min Scan# 1

Delta R.T. -0.340 min

Lab File: VL043184.D

Acq: 11 Nov 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

IA1ADUP

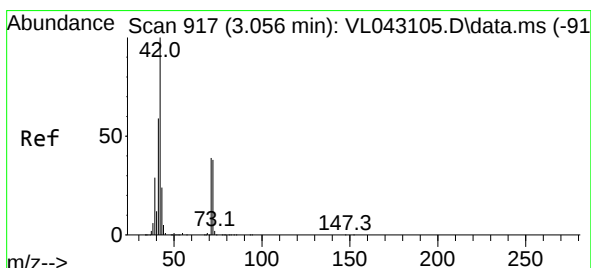
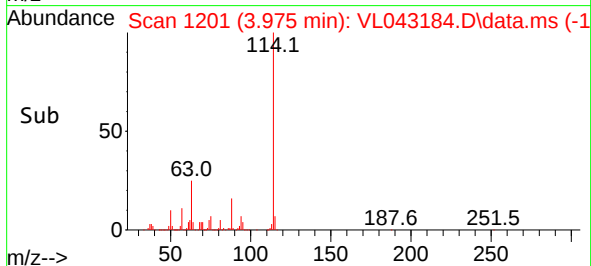
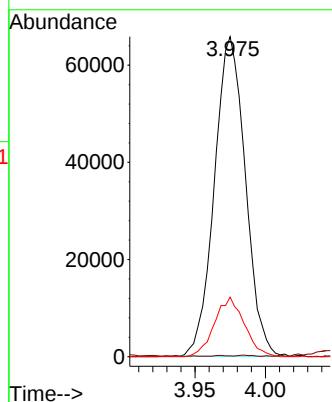
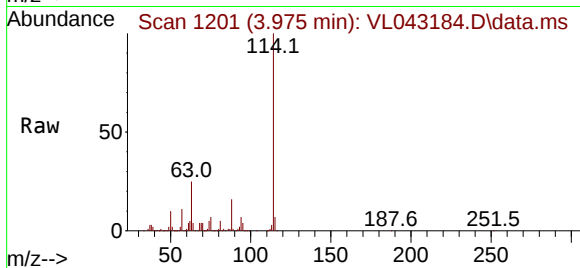
Tgt Ion: 63 Resp: 100655

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 18.6 54.7 82.1#



#41

Tetrahydrofuran

Concen: 0.560 ppbv

RT: 3.247 min Scan# 976

Delta R.T. 0.191 min

Lab File: VL043184.D

Acq: 11 Nov 2025 11:09

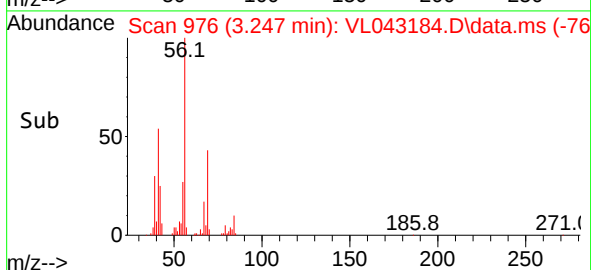
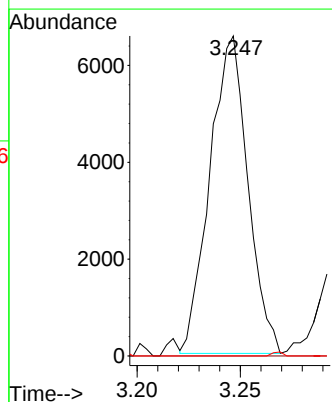
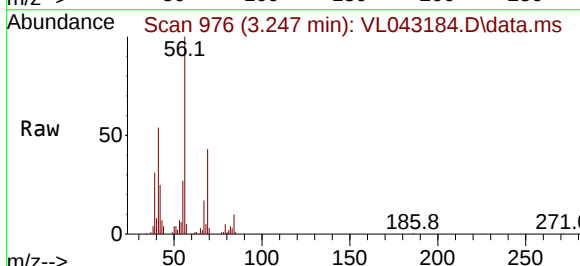
Tgt Ion: 42 Resp: 8403

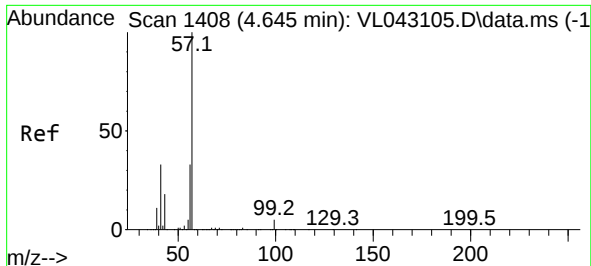
Ion Ratio Lower Upper

42 100

72 0.0 31.3 46.9#

71 0.0 30.4 45.6#

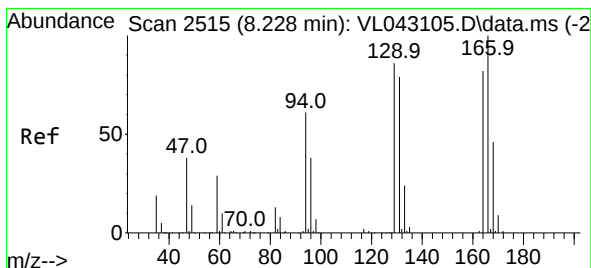
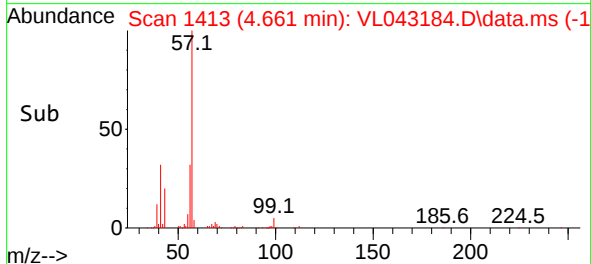
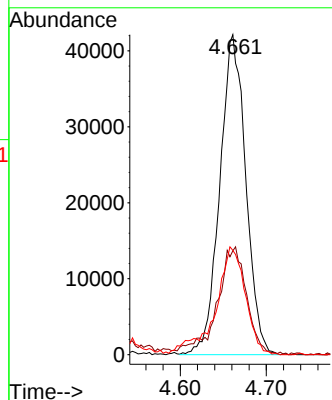
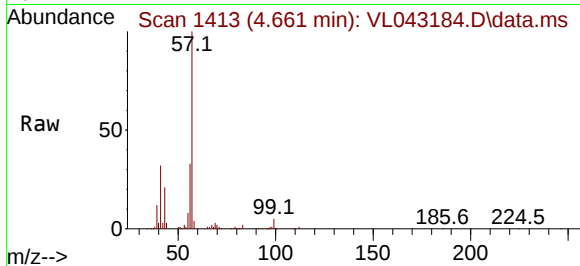




#44
2,2,4-Trimethylpentane
Concen: 1.395 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.016 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

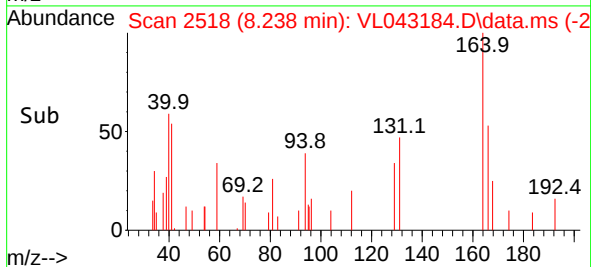
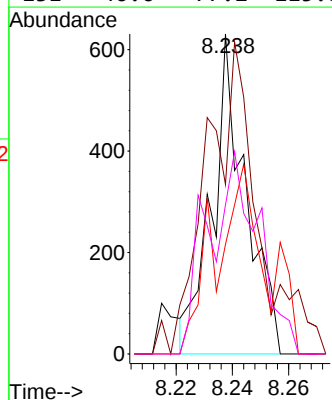
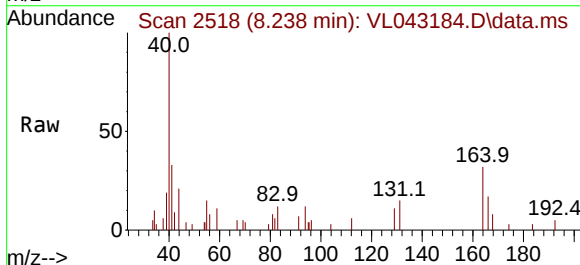
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

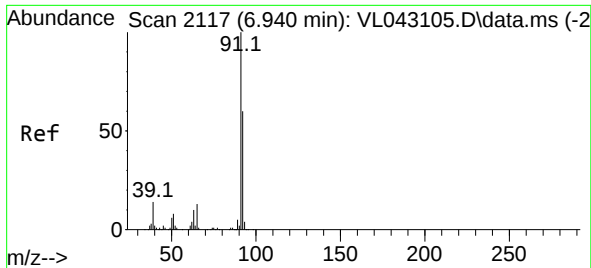
Tgt Ion: 57 Resp: 88418
Ion Ratio Lower Upper
57 100
41 38.8 26.3 39.5
56 38.9 25.9 38.9#



#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 164 Resp: 520
Ion Ratio Lower Upper
164 100
166 37.6 97.6 146.4#
129 34.2 84.5 126.7#
131 46.6 77.2 115.8#

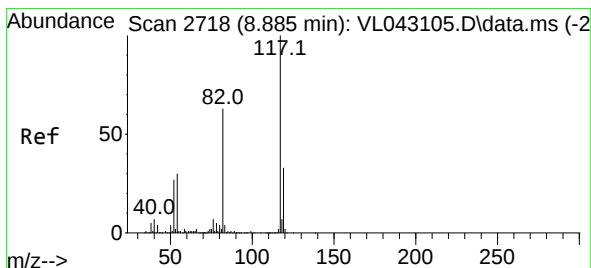
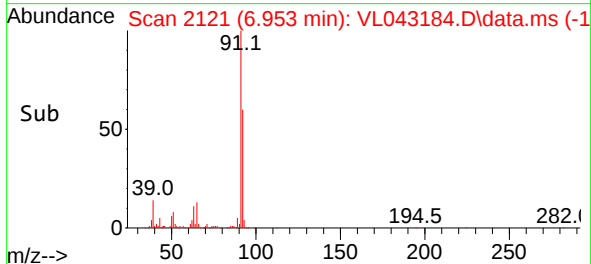
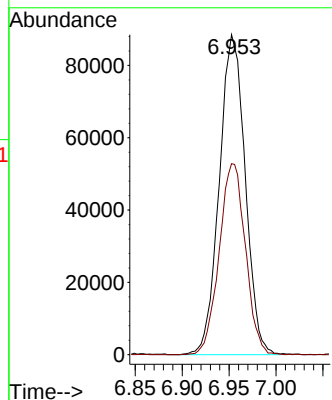
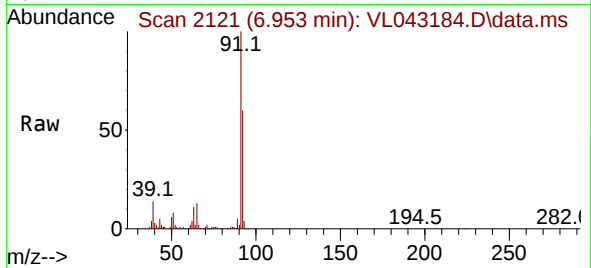




#53
Toluene
Concen: 3.806 ppbv
RT: 6.953 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

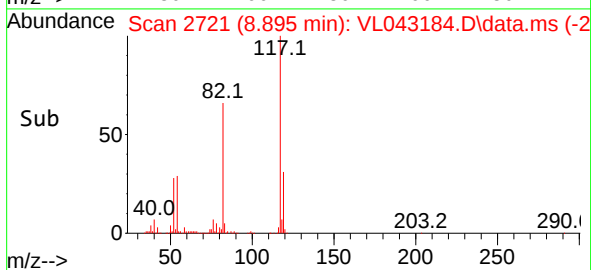
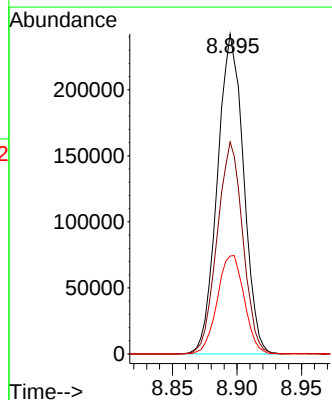
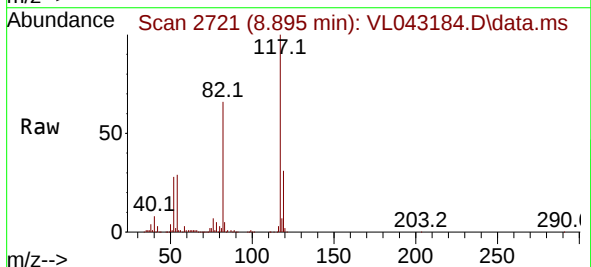
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

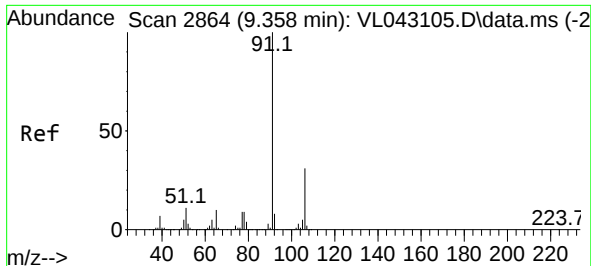
Tgt Ion: 91 Resp: 169684
Ion Ratio Lower Upper
91 100
92 60.6 48.8 73.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 117 Resp: 340442
Ion Ratio Lower Upper
117 100
82 65.4 53.8 80.8
119 31.8 25.4 38.0

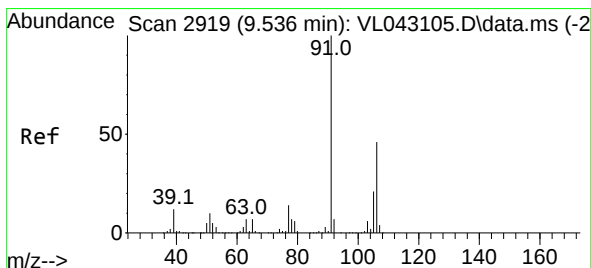
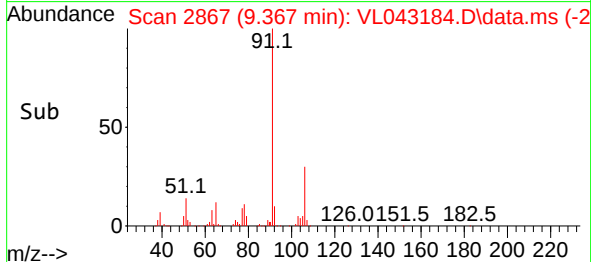
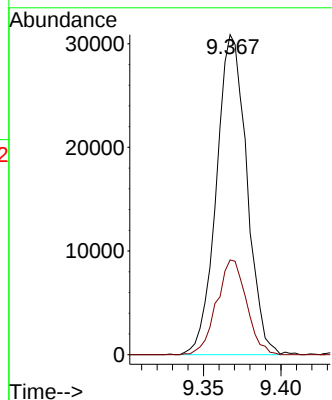
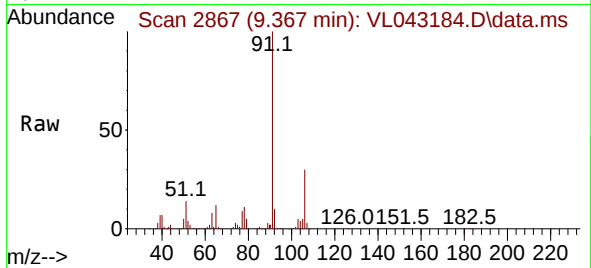




#58
Ethyl Benzene
Concen: 0.720 ppbv
RT: 9.367 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

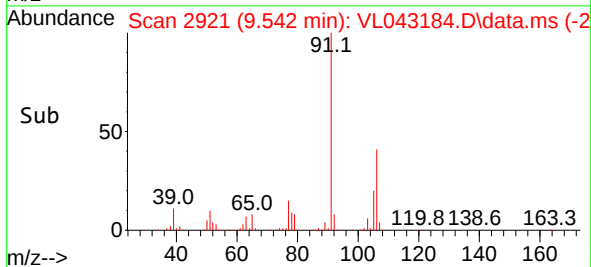
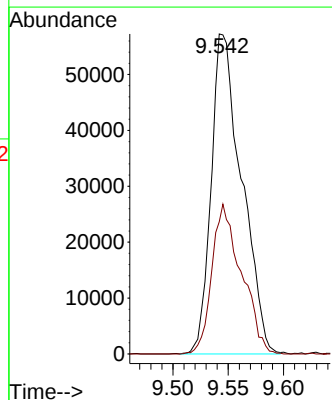
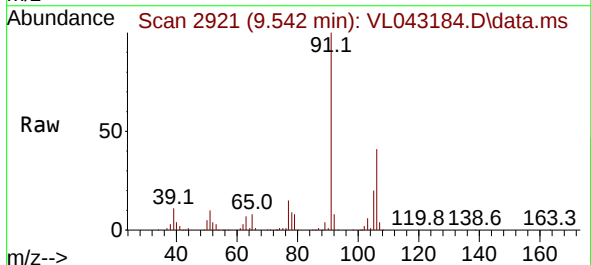
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

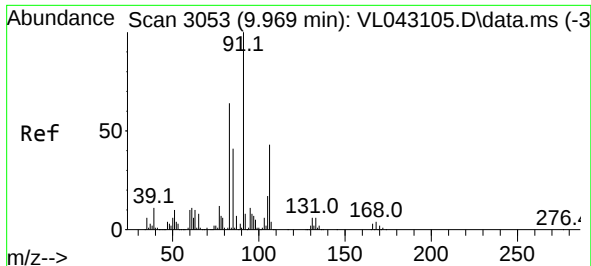
Tgt Ion: 91 Resp: 42063
Ion Ratio Lower Upper
91 100
106 29.6 24.8 37.2



#59
m/p-Xylene
Concen: 2.362 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 91 Resp: 110065
Ion Ratio Lower Upper
91 100
106 45.2 38.0 57.0

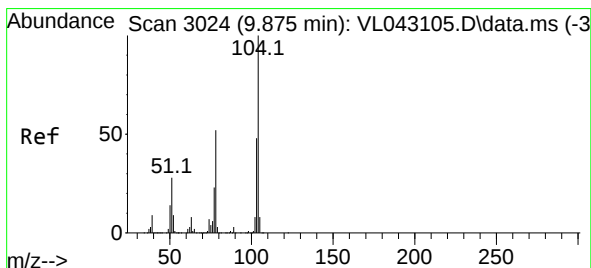
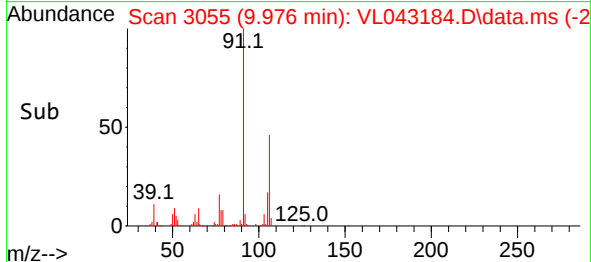
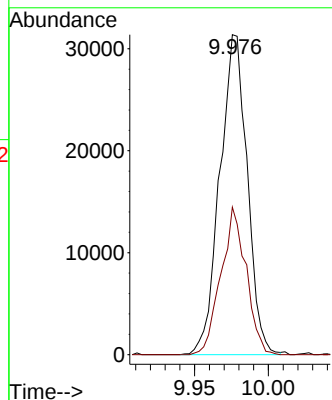
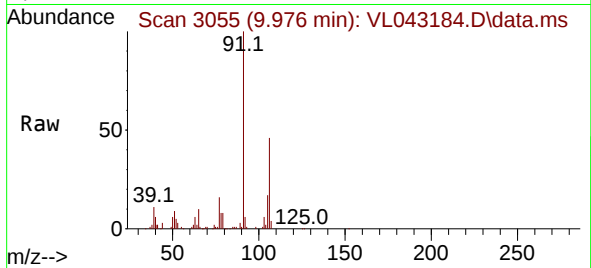




#60
o-Xylene
Concen: 0.882 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

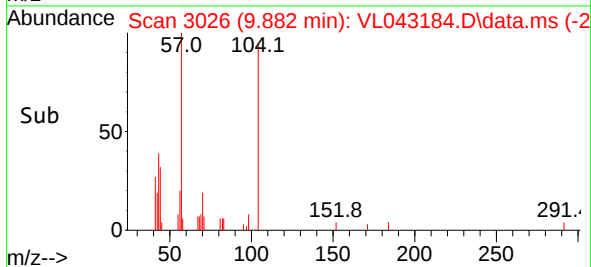
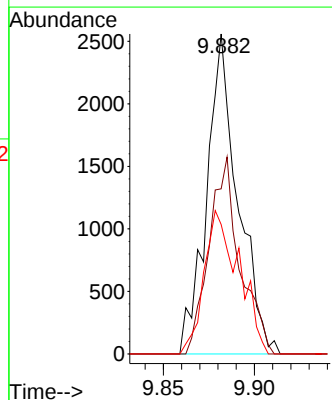
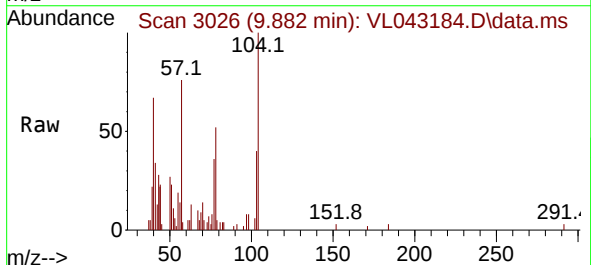
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

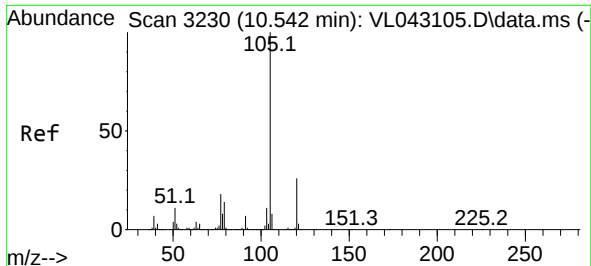
Tgt Ion: 91 Resp: 40598
Ion Ratio Lower Upper
91 100
106 42.4 21.9 65.8



#61
Styrene
Concen: 0.147 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 104 Resp: 3061
Ion Ratio Lower Upper
104 100
78 60.7 40.2 60.2#
103 50.0 36.9 55.3

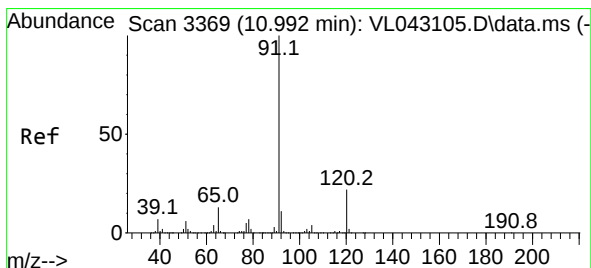
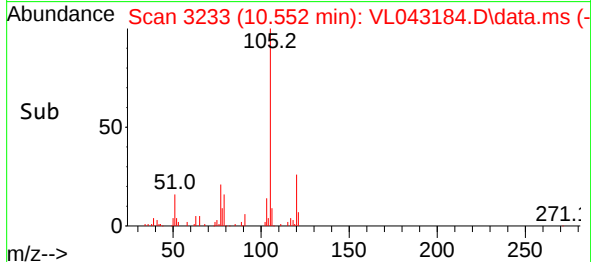
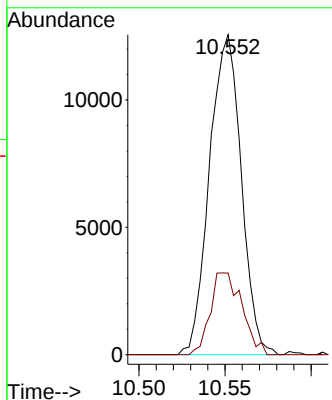
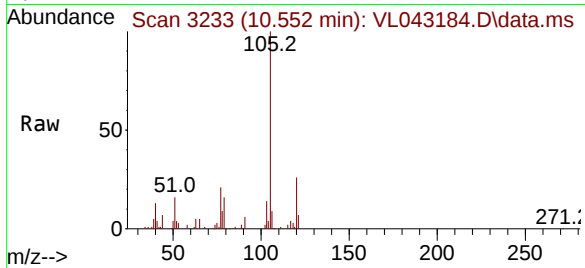




#62
Isopropylbenzene
Concen: 0.194 ppbv
RT: 10.552 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

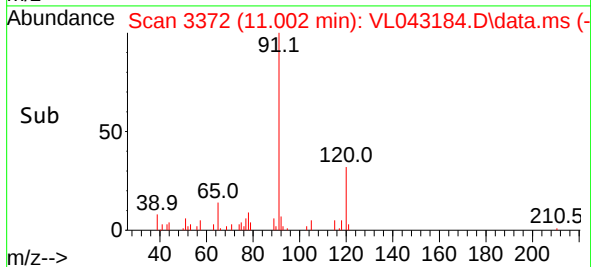
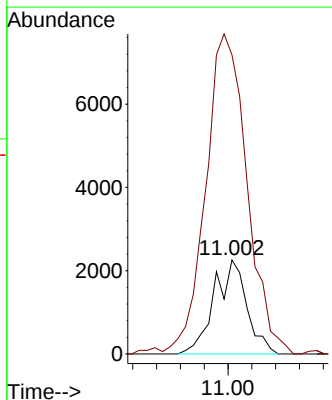
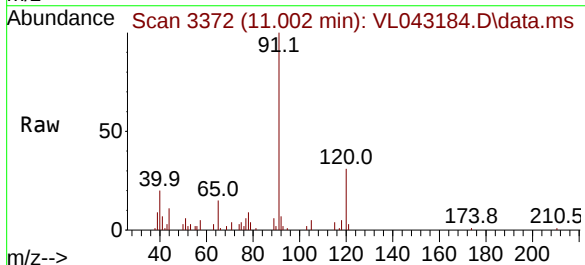
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

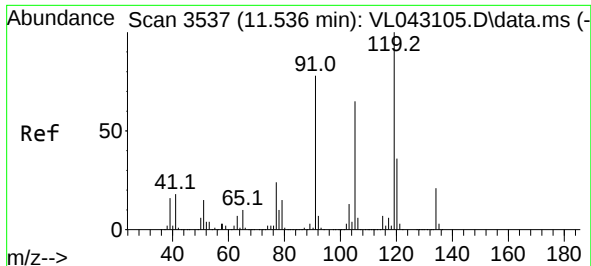
Tgt Ion:105 Resp: 16119
Ion Ratio Lower Upper
105 100
120 25.4 20.2 30.4



#64
n-propylbenzene
Concen: 0.098 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion:120 Resp: 2151
Ion Ratio Lower Upper
120 100
91 434.4 361.6 542.4

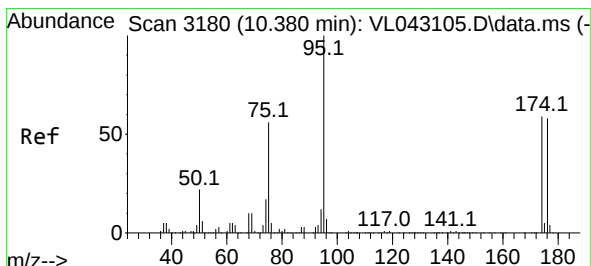
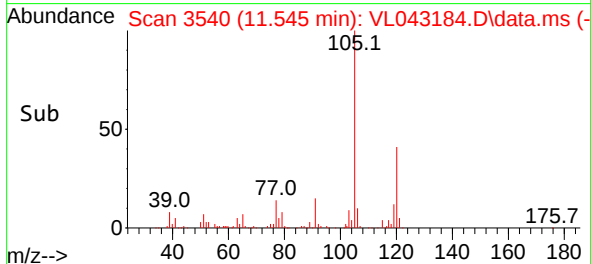
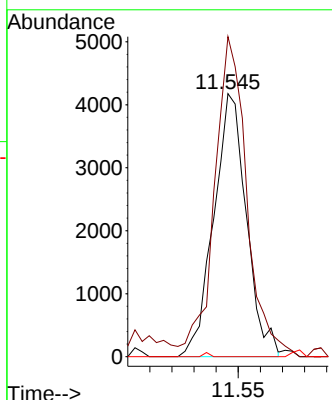
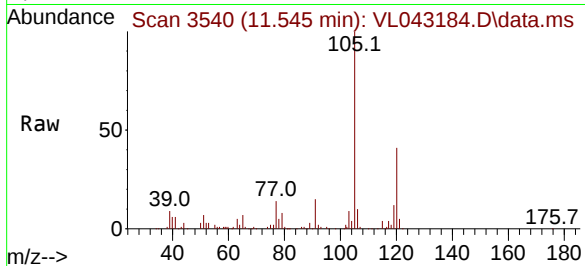




#65
tert-Butylbenzene
Concen: 0.058 ppbv
RT: 11.545 min Scan# 3182
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

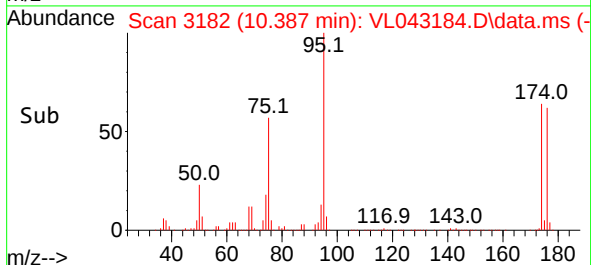
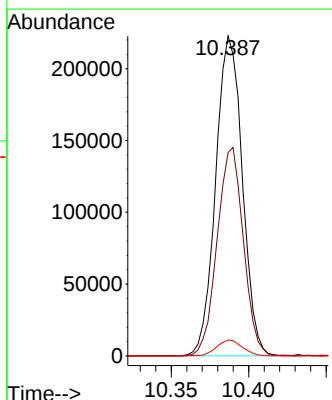
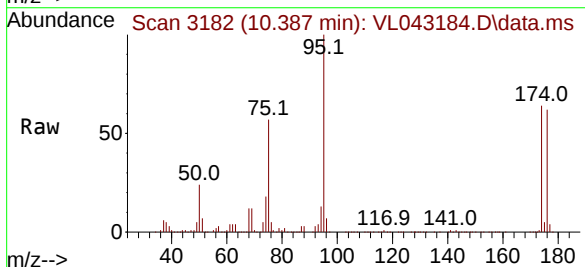
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

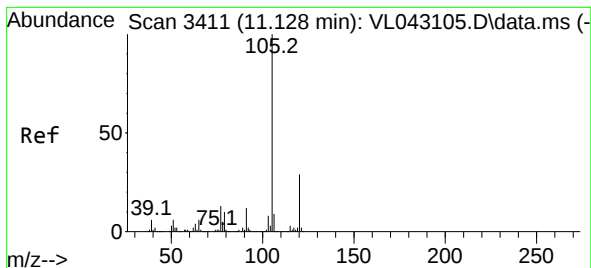
Tgt Ion:119 Resp: 4288
Ion Ratio Lower Upper
119 100
91 121.3 63.4 95.0#
134 2.4 17.3 25.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion: 95 Resp: 266301
Ion Ratio Lower Upper
95 100
174 64.3 48.3 72.5
175 4.9 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.096 ppbv

RT: 11.138 min Scan# 3411

Delta R.T. 0.010 min

Lab File: VL043184.D

Acq: 11 Nov 2025 11:09

Instrument :

MSVOA_1

ClientSampleId :

IA1ADUP

Tgt Ion:105 Resp: 5444

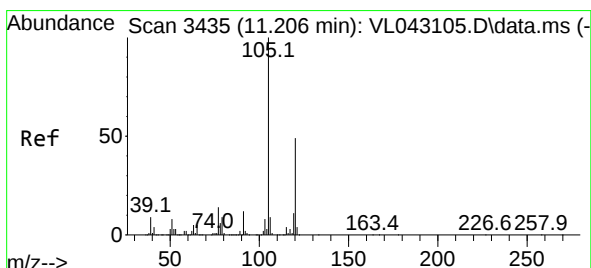
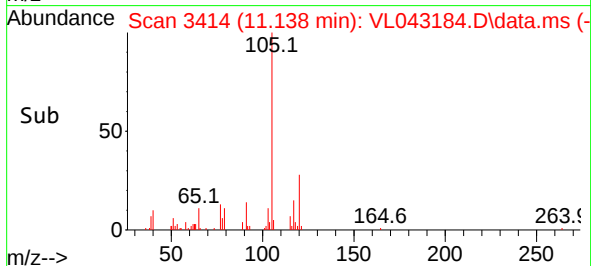
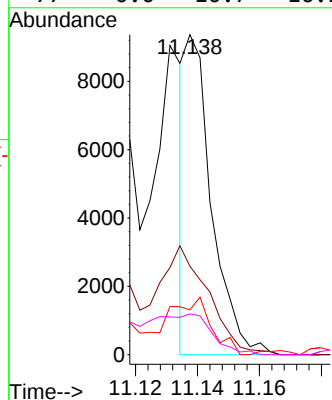
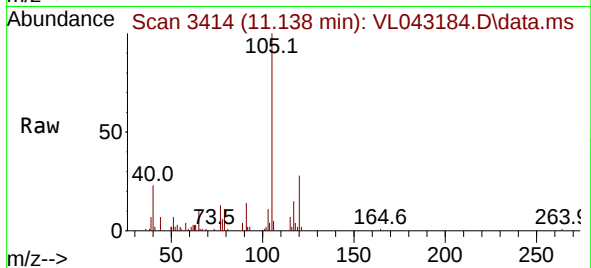
Ion Ratio Lower Upper

105 100

120 0.0 24.2 36.4#

91 0.0 10.0 15.0#

77 0.0 10.7 16.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.196 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.006 min

Lab File: VL043184.D

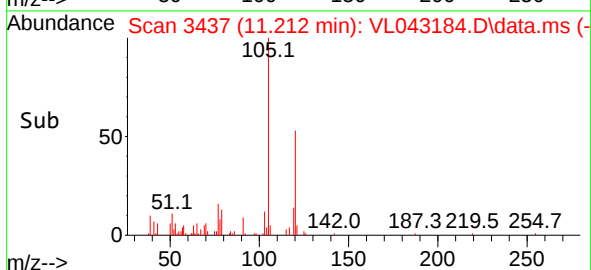
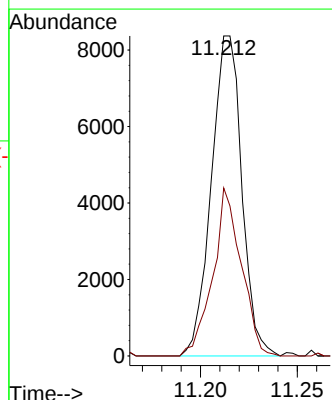
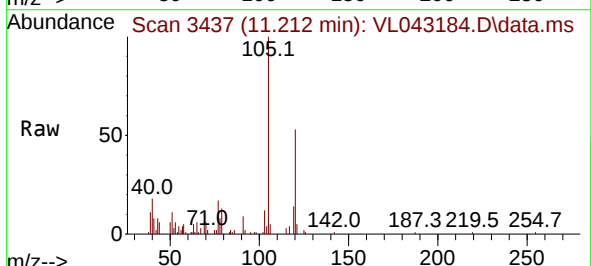
Acq: 11 Nov 2025 11:09

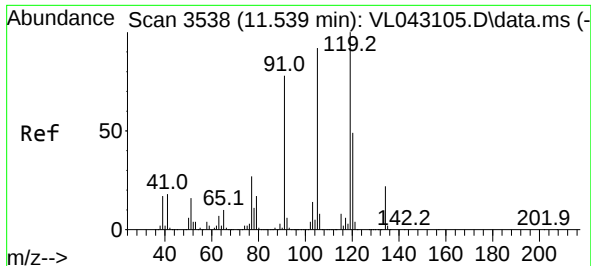
Tgt Ion:105 Resp: 9165

Ion Ratio Lower Upper

105 100

120 52.5 39.0 58.6

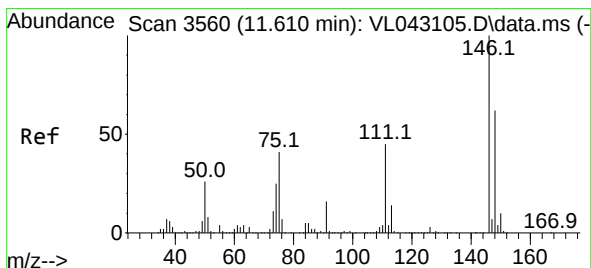
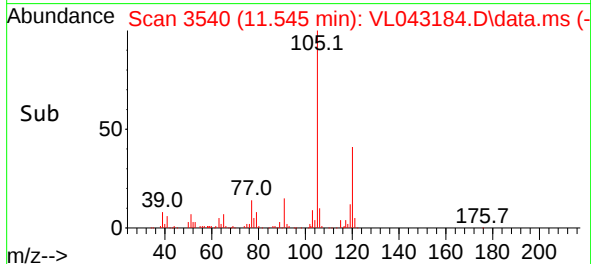
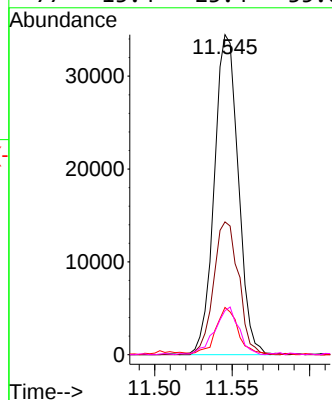
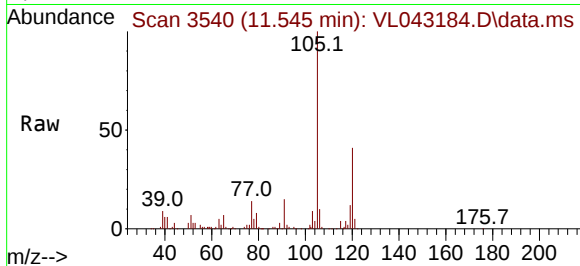




#74
1,2,4-Trimethylbenzene
Concen: 0.711 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

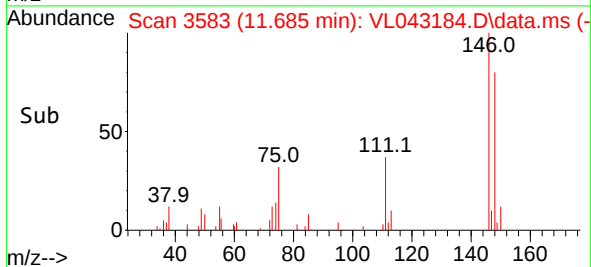
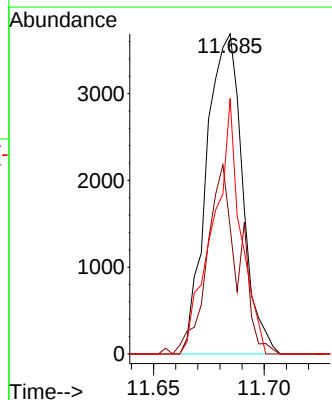
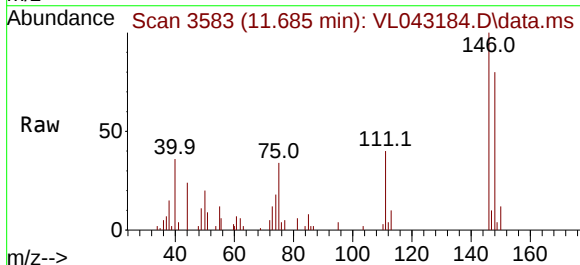
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

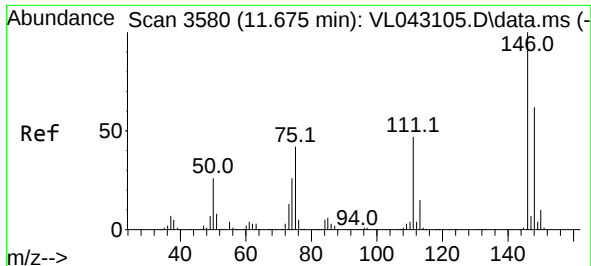
Tgt Ion:105 Resp: 37147
Ion Ratio Lower Upper
105 100
120 41.5 42.8 64.2#
91 14.7 68.3 102.5#
77 13.4 23.4 35.0#



#75
1,3-Dichlorobenzene
Concen: 0.137 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.074 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion:146 Resp: 4152
Ion Ratio Lower Upper
146 100
111 51.7 23.3 69.9
148 61.7 31.6 95.0

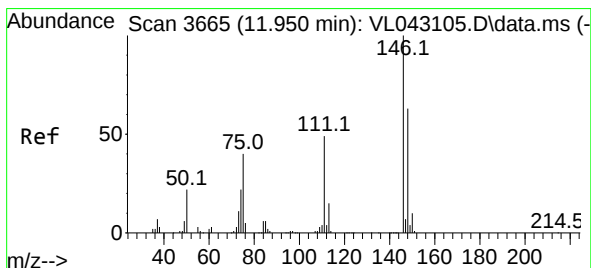
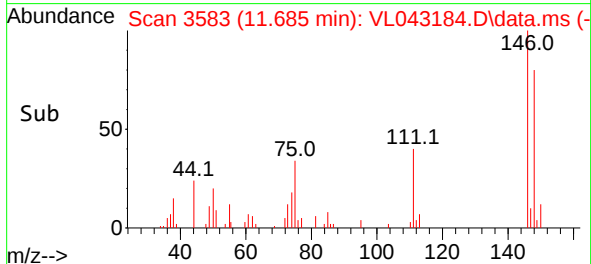
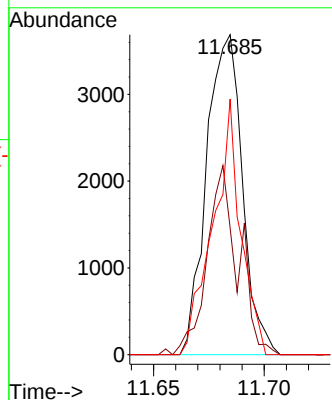
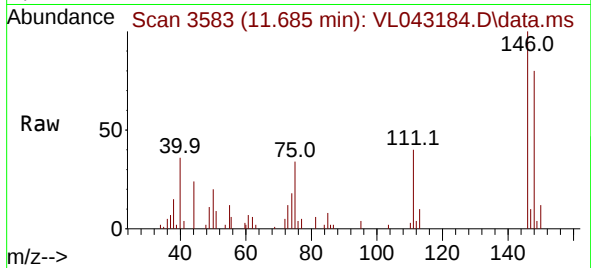




#76
1,4-Dichlorobenzene
Concen: 0.136 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.010 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

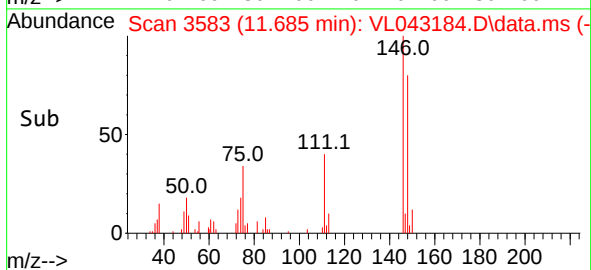
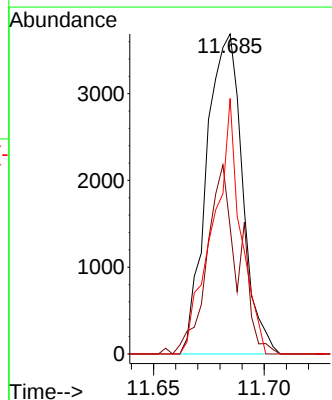
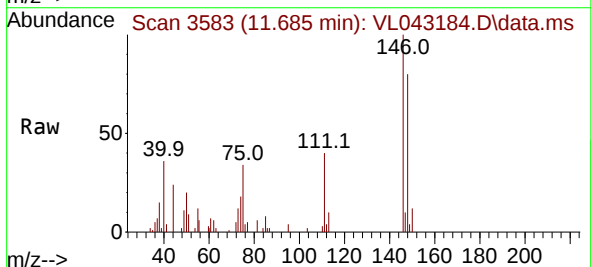
Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

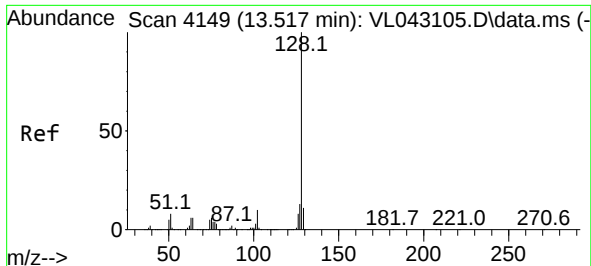
Tgt Ion:146 Resp: 4152
Ion Ratio Lower Upper
146 100
111 51.7 22.4 67.0
148 61.7 31.6 94.7



#77
1,2-Dichlorobenzene
Concen: 0.142 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.266 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion:146 Resp: 4152
Ion Ratio Lower Upper
146 100
111 51.7 24.0 72.0
148 61.7 31.1 93.3

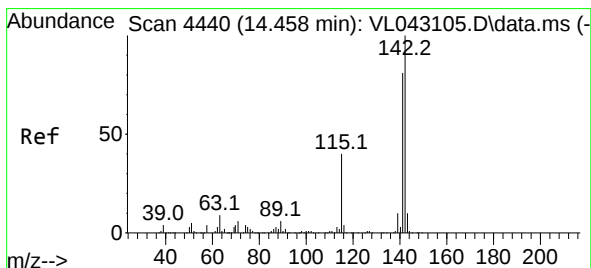
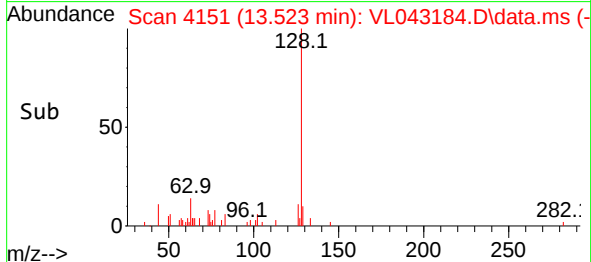
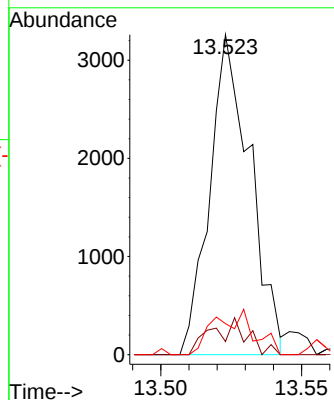
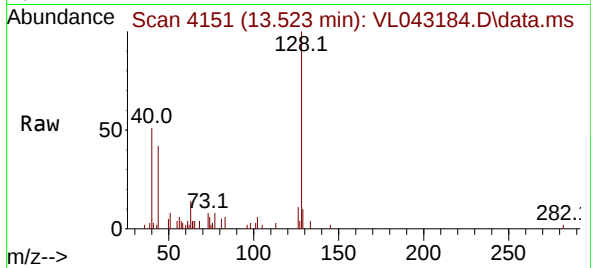




#79
Naphthalene
Concen: 0.059 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
IA1ADUP

Tgt Ion:128 Resp: 3248
Ion Ratio Lower Upper
128 100
127 4.1 10.5 15.7#
129 9.7 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.013 min
Lab File: VL043184.D
Acq: 11 Nov 2025 11:09

Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
141 39.7 64.6 97.0#
115 28.7 30.2 45.4#

