

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042661.D
 Acq On : 20 Jun 2025 07:50
 Operator : SY/MD
 Sample : Q2368-01DUP 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Quant Time: Jun 21 01:52:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	107720	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	272851	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	266896	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	209773	10.485	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	630	0.048	ppbv	92
3) Chlorodifluoromethane	1.434	51	92237	5.059	ppbv #	61
4) Chloromethane	1.531	50	187	0.036	ppbv #	73
7) Chloroethane	1.441	64	4464	2.151	ppbv #	71
8) Dichlorotetrafluoroethane	1.499	85	630	0.057	ppbv #	27
9) Propene	1.434	41	791	0.108	ppbv #	17
10) Heptane	4.991	43	25411	1.228	ppbv #	74
11) Trichlorofluoromethane	1.434	101	58392	4.740	ppbv #	18
12) 1,1,2-Trichlorotrifluo...	1.881	101	418	0.043	ppbv #	15
13) Ethanol	1.722	45	3681	4.206	ppbv	97
15) Acetone	1.839	43	29532	2.276	ppbv	91
16) 1,3-Butadiene	1.602	39	1500	0.244	ppbv #	26
17) tert-Butyl alcohol	2.049	59	1759	0.130	ppbv	98
19) Isopropyl Alcohol	1.887	45	3652	0.471	ppbv #	1
20) Methylene Chloride	2.065	84	846	0.198	ppbv	92
21) Allyl Chloride	2.078	41	404	0.044	ppbv #	28
23) Vinyl Acetate	2.473	43	2037	0.116	ppbv #	58
25) Ethyl Acetate	2.829	43	73203	2.062	ppbv #	77
26) Hexane	2.829	57	105398	6.532	ppbv #	39
27) Carbon Disulfide	2.156	76	2918	0.236	ppbv #	1
29) Chloroform	2.855	83	28267	1.347	ppbv	99
30) Cyclohexane	3.862	84	1114	0.083	ppbv #	1
34) 2-Butanone	2.564	43	24745	1.272	ppbv	100
36) Benzene	3.664	78	5469	0.204	ppbv #	93
39) 1,2-Dichloropropane	3.965	63	70746	7.120	ppbv #	23
40) 1,4-Dioxane	4.606	88	200	0.045	ppbv #	1
41) Tetrahydrofuran	3.065	42	2784	0.244	ppbv #	39
44) 2,2,4-Trimethylpentane	4.645	57	2333	0.051	ppbv #	42
51) 2-Hexanone	7.451	43	43788	2.046	ppbv #	67
52) Tetrachloroethene	8.231	164	1011	0.101	ppbv #	69
53) Toluene	6.946	91	78813	2.538	ppbv	99
57) Chlorobenzene	8.882	112	3279	0.127	ppbv #	55
58) Ethyl Benzene	9.367	91	23067	0.510	ppbv	95
59) m/p-Xylene	9.539	91	145101	4.073	ppbv	97
60) o-Xylene	9.972	91	58551	1.648	ppbv	94
61) Styrene	9.872	104	526	0.031	ppbv #	1
62) Isopropylbenzene	10.548	105	12744	0.243	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.959	83	9879	0.437	ppbv #	7
64) n-propylbenzene	10.995	120	5906	0.420	ppbv	72
65) tert-Butylbenzene	11.888	119	6086	0.128	ppbv	97
66) Benzyl Chloride	11.626	91	212	0.035	ppbv #	64
67) sec-Butylbenzene	11.772	105	7637	0.114	ppbv	98
69) p-Isopropyltoluene	11.934	119	4286	0.076	ppbv #	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042661.D
Acq On : 20 Jun 2025 07:50
Operator : SY/MD
Sample : Q2368-01DUP 10X
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

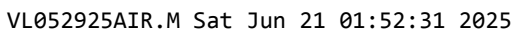
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

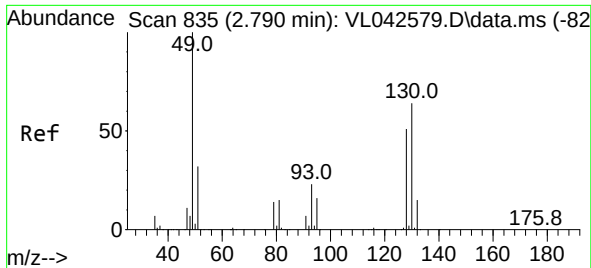
Quant Time: Jun 21 01:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	10.995	91	27854	0.696	ppbv	66
72) 4-Ethyltoluene	11.134	105	15083	0.340	ppbv #	60
73) 1,3,5-Trimethylbenzene	11.209	105	30048	0.820	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	27758	0.682	ppbv #	63

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

Quant Time: Jun 21 01:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

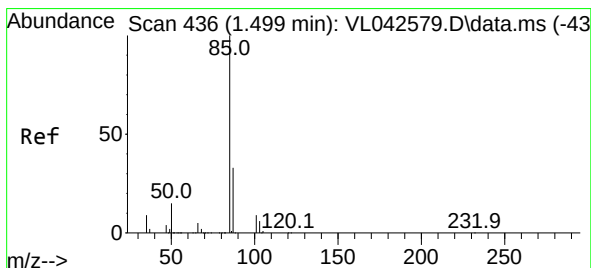
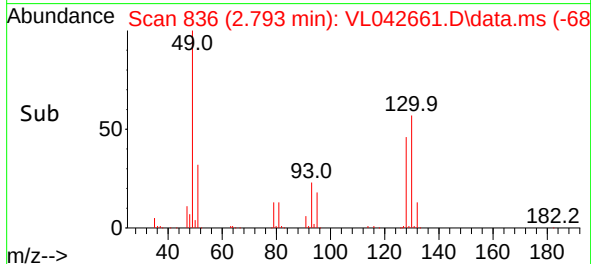
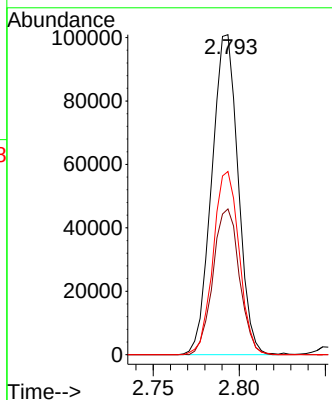
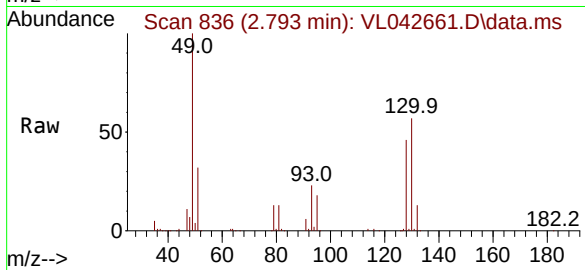




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042661.D
 Acq: 20 Jun 2025 07:50

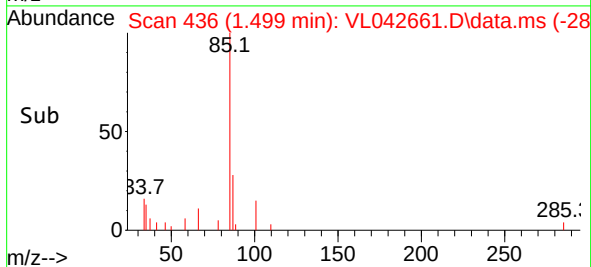
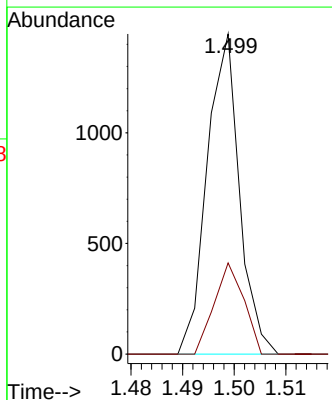
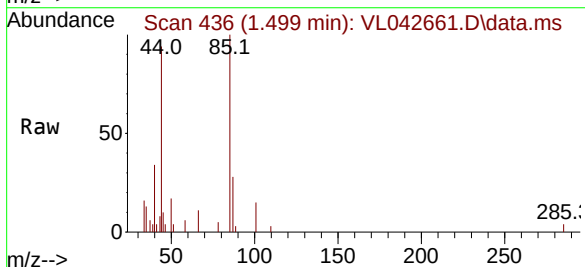
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

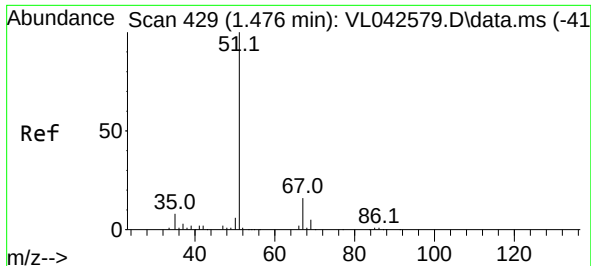
Tgt Ion: 49 Resp: 107720
 Ion Ratio Lower Upper
 49 100
 128 45.6 24.2 72.6
 130 56.3 30.4 91.2



#2
 Dichlorodifluoromethane
 Concen: 0.048 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042661.D
 Acq: 20 Jun 2025 07:50

Tgt Ion: 85 Resp: 630
 Ion Ratio Lower Upper
 85 100
 87 28.5 26.6 39.8





#3

Chlorodifluoromethane

Concen: 5.059 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.042 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

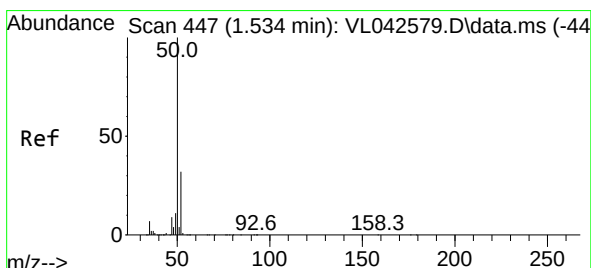
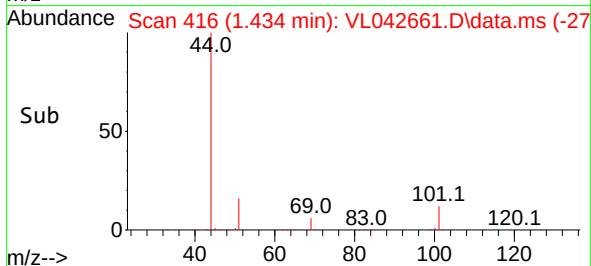
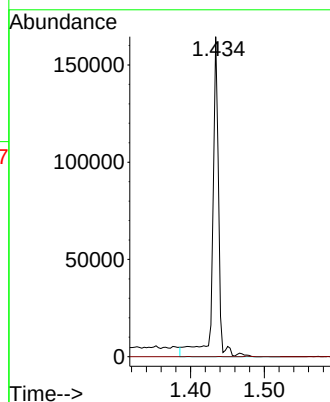
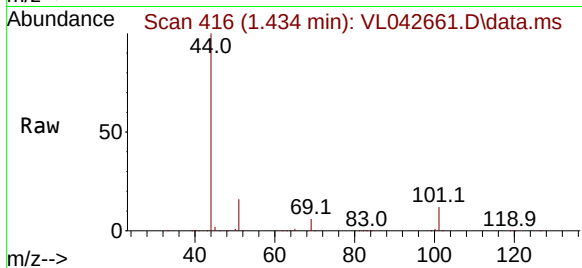
SV1DUP

Tgt Ion: 51 Resp: 92237

Ion Ratio Lower Upper

51 100

67 0.0 13.4 20.2#



#4

Chloromethane

Concen: 0.036 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.003 min

Lab File: VL042661.D

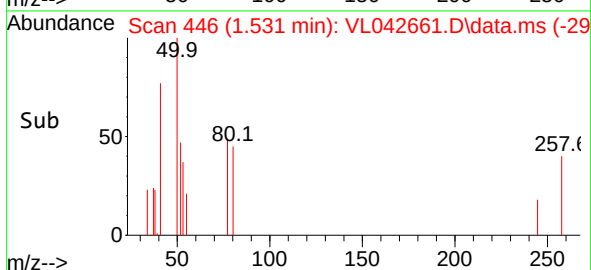
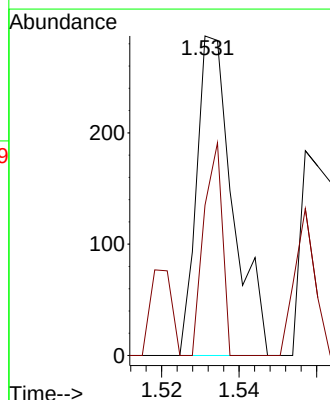
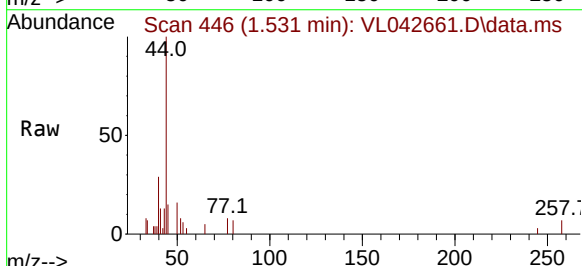
Acq: 20 Jun 2025 07:50

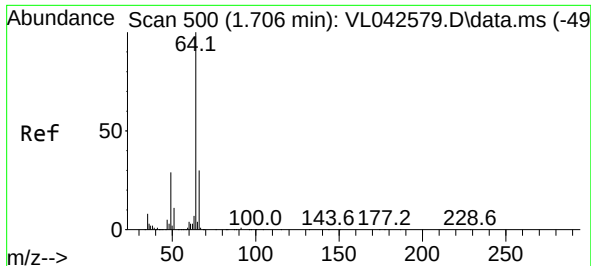
Tgt Ion: 50 Resp: 187

Ion Ratio Lower Upper

50 100

52 47.0 25.8 38.6#

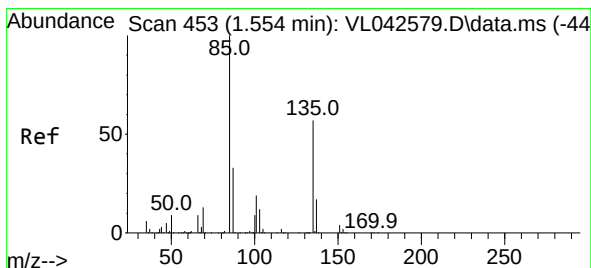
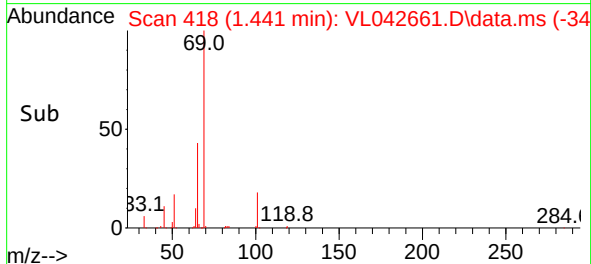
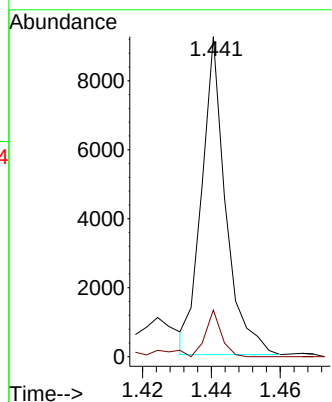
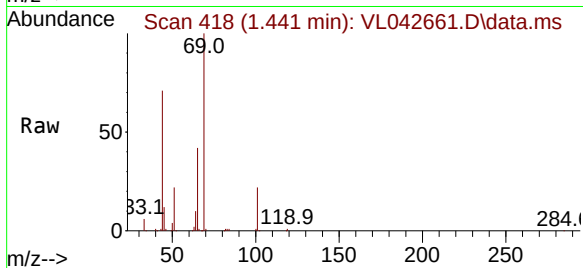




#7
Chloroethane
Concen: 2.151 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.265 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

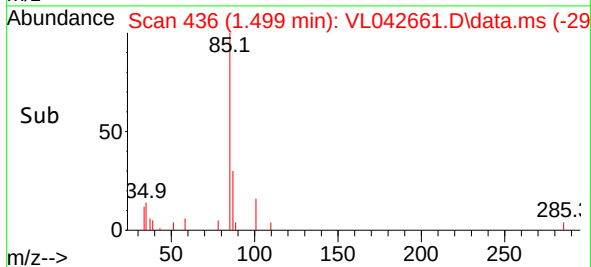
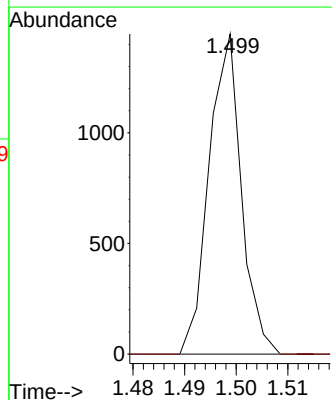
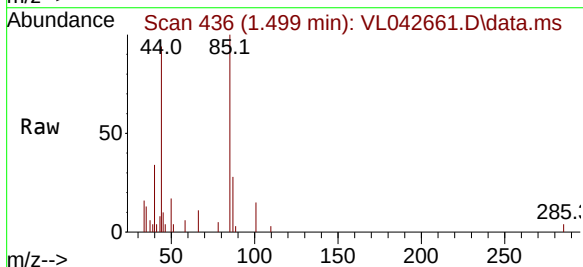
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

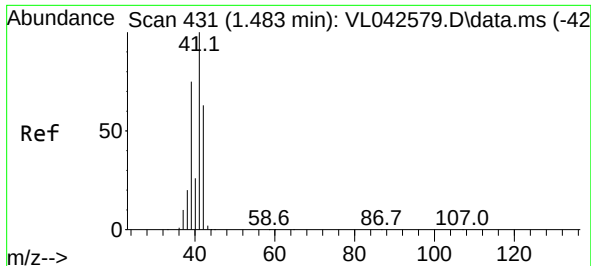
Tgt Ion: 64 Resp: 4464
Ion Ratio Lower Upper
64 100
66 14.6 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 0.057 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.055 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 85 Resp: 630
Ion Ratio Lower Upper
85 100
135 5.9 50.2 75.4#





#9

Propene

Concen: 0.108 ppbv

RT: 1.434 min Scan# 41

Delta R.T. -0.049 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

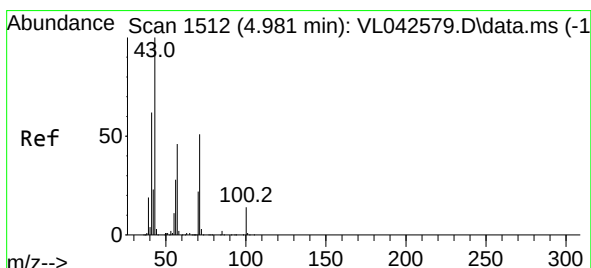
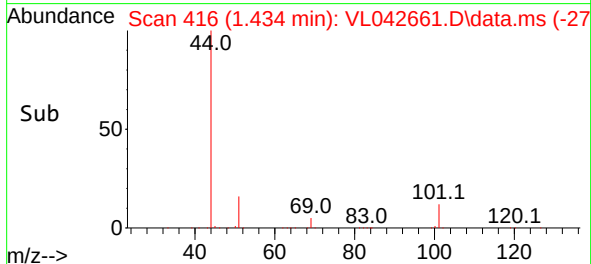
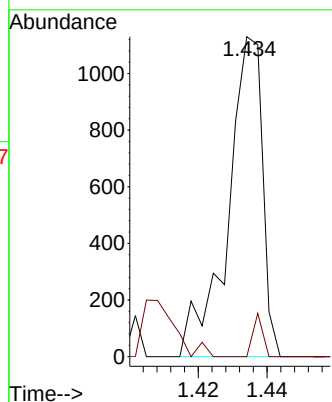
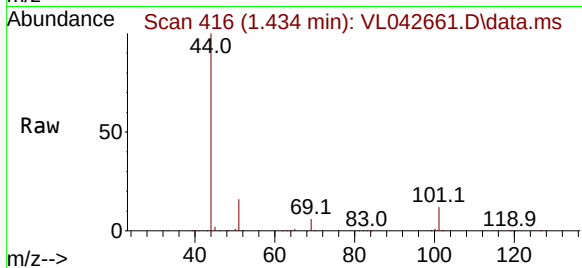
SV1DUP

Tgt Ion: 41 Resp: 791

Ion Ratio Lower Upper

41 100

42 0.0 53.3 79.9#



#10

Heptane

Concen: 1.228 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.010 min

Lab File: VL042661.D

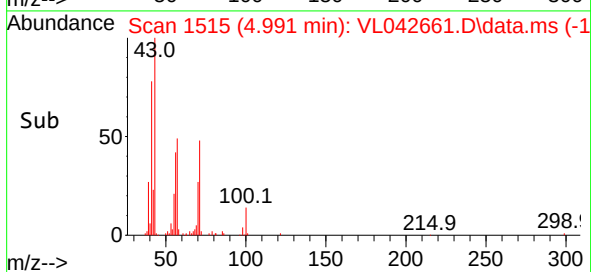
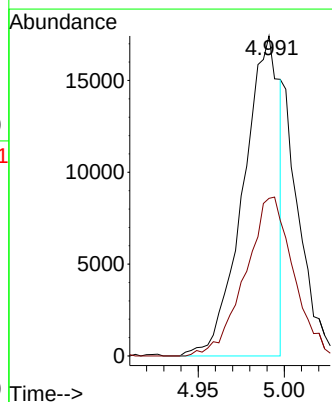
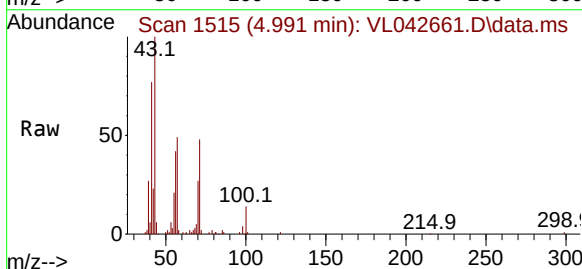
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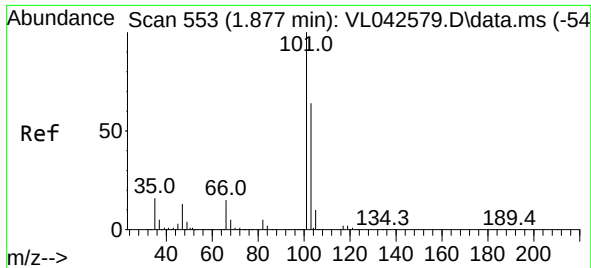
Tgt Ion: 43 Resp: 25411

Ion Ratio Lower Upper

43 100

57 66.1 38.9 58.3#





#11

Trichlorofluoromethane

Concen: 4.740 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.443 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

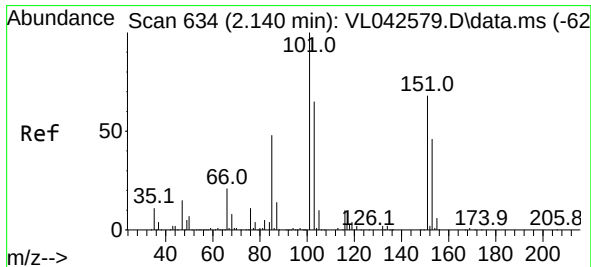
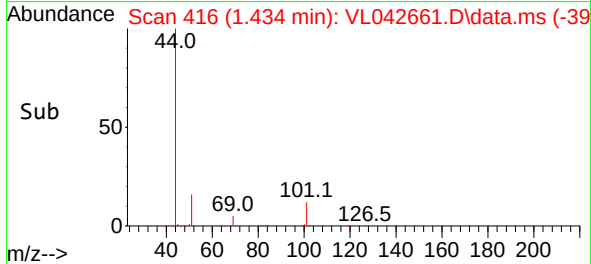
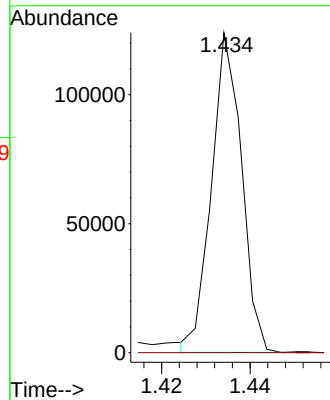
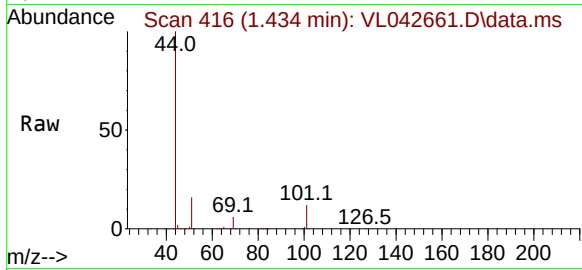
SV1DUP

Tgt Ion:101 Resp: 58392

Ion Ratio Lower Upper

101 100

103 0.0 51.5 77.3#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.043 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.259 min

Lab File: VL042661.D

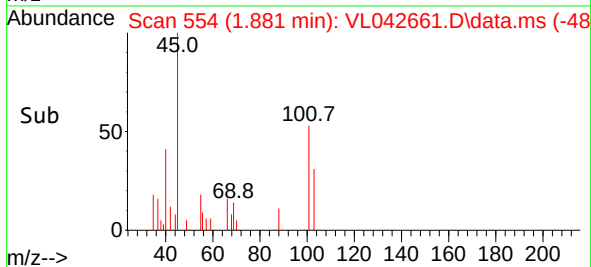
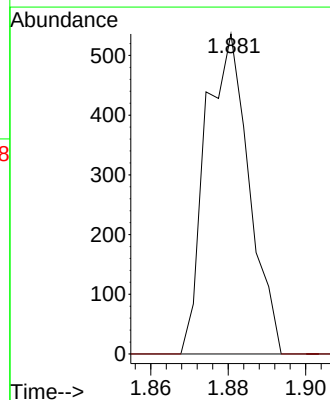
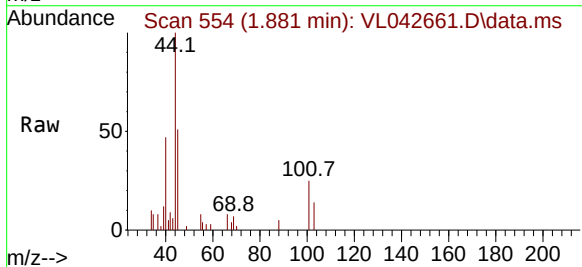
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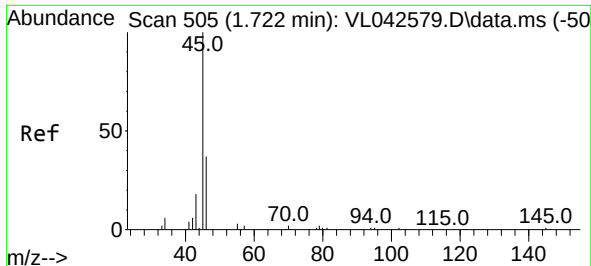
Tgt Ion:101 Resp: 418

Ion Ratio Lower Upper

101 100

151 0.0 55.3 82.9#

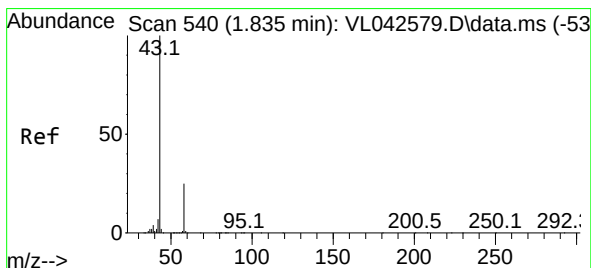
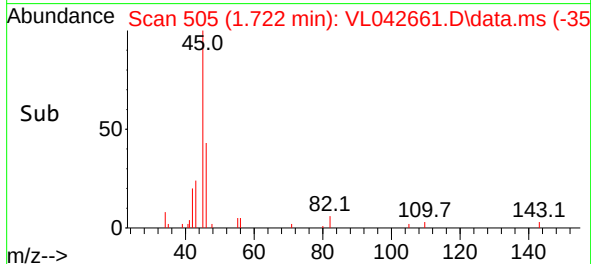
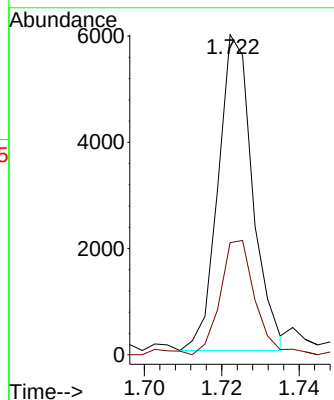
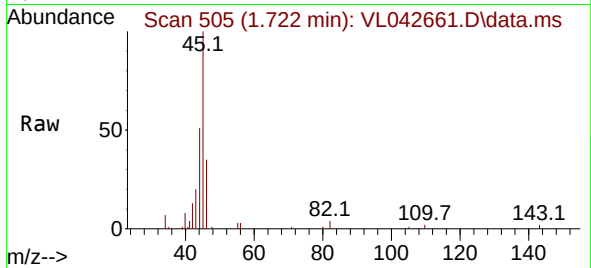




#13
Ethanol
Concen: 4.206 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

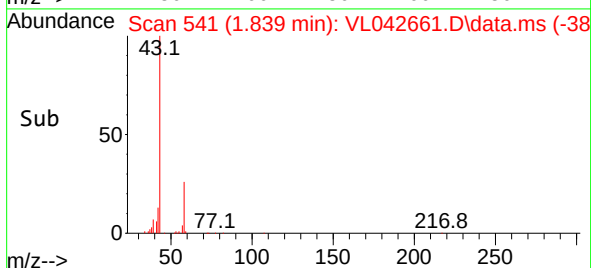
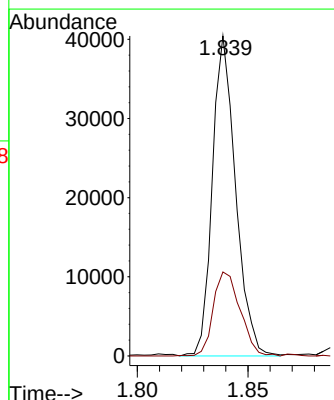
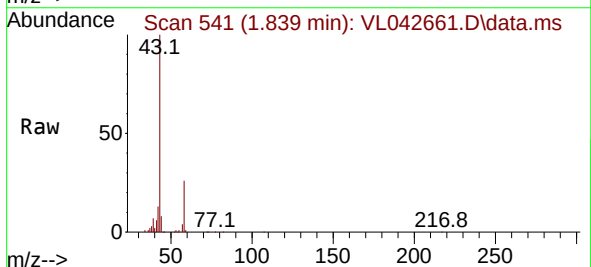
Instrument :
MSVOA_L
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SV1DUP

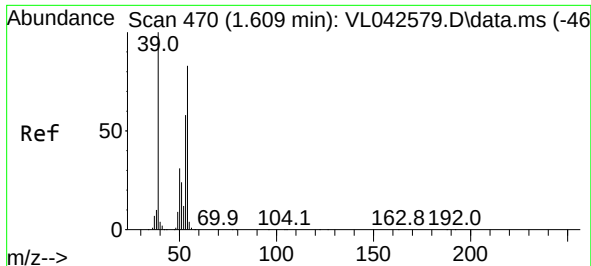
Tgt Ion: 45 Resp: 3681
Ion Ratio Lower Upper
45 100
46 38.1 14.5 58.1



#15
Acetone
Concen: 2.276 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 43 Resp: 29532
Ion Ratio Lower Upper
43 100
58 30.6 21.0 31.4

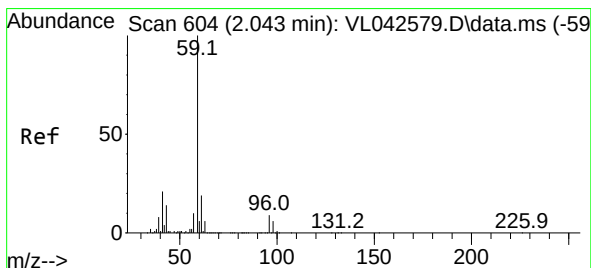
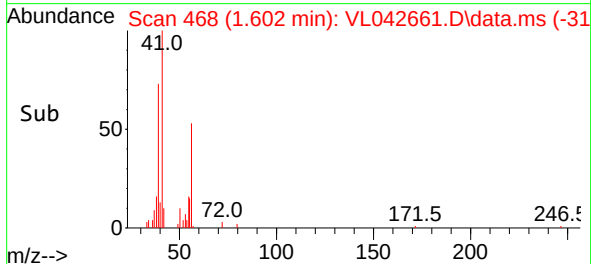
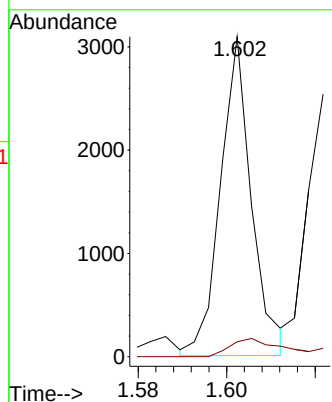
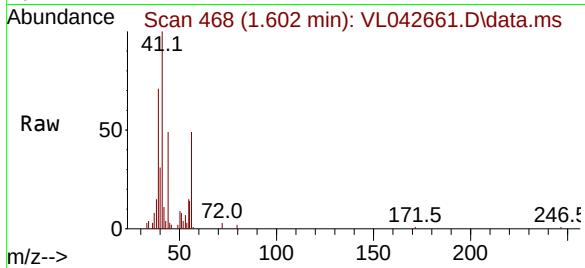




#16
1,3-Butadiene
Concen: 0.244 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

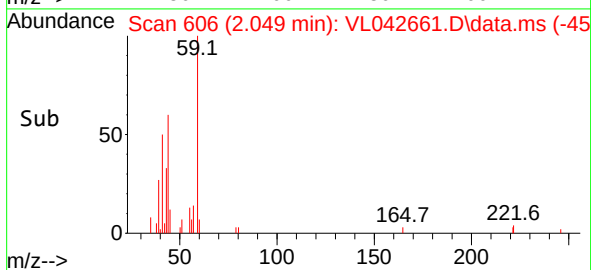
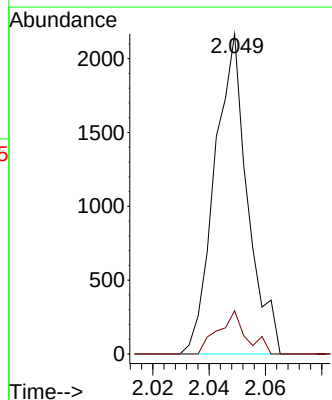
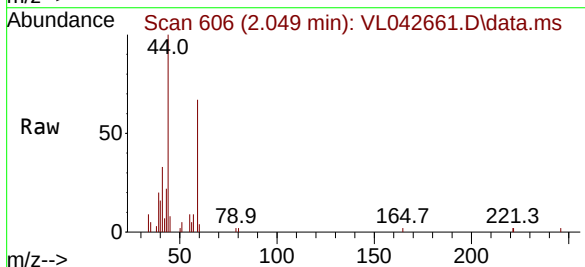
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

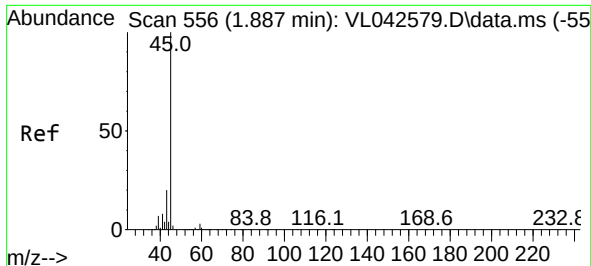
Tgt Ion: 39 Resp: 1500
Ion Ratio Lower Upper
39 100
54 10.4 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.130 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 59 Resp: 1759
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8

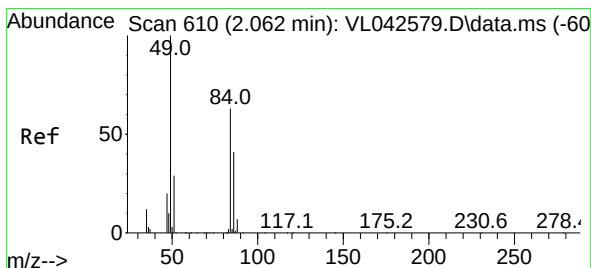
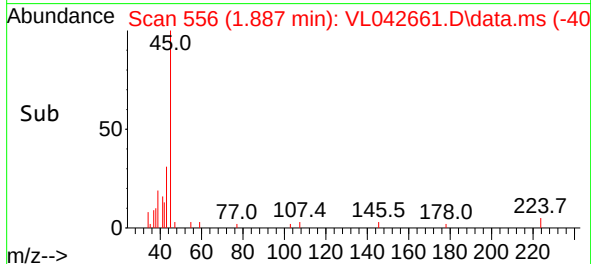
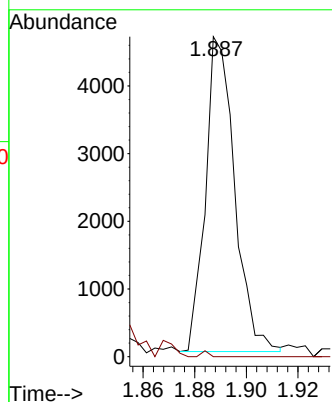
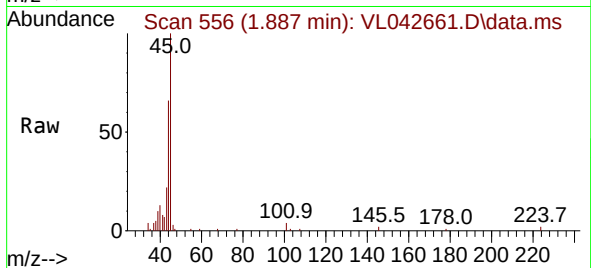




#19
Isopropyl Alcohol
Concen: 0.471 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

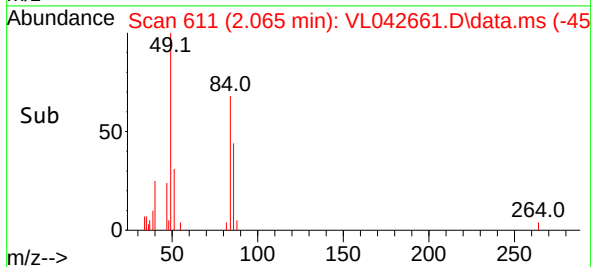
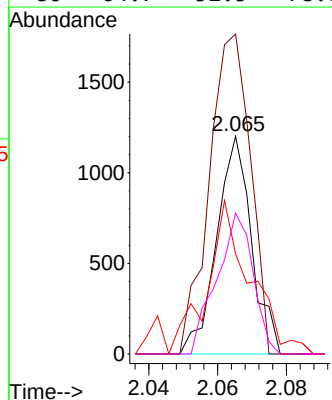
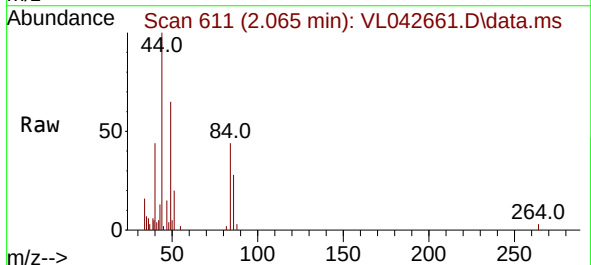
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

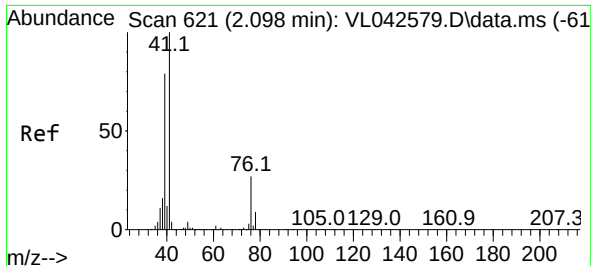
Tgt Ion: 45 Resp: 3652
Ion Ratio Lower Upper
45 100
58 246.9 29.4 44.2#



#20
Methylene Chloride
Concen: 0.198 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 84 Resp: 846
Ion Ratio Lower Upper
84 100
49 147.0 128.8 193.2
51 41.6 38.6 57.8
86 64.7 52.5 78.7

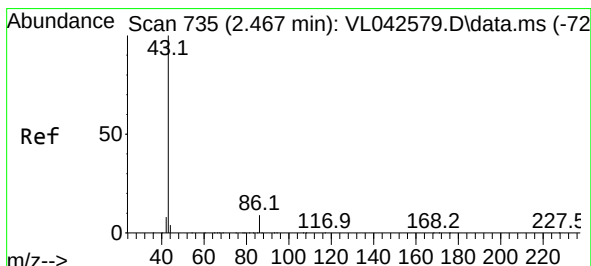
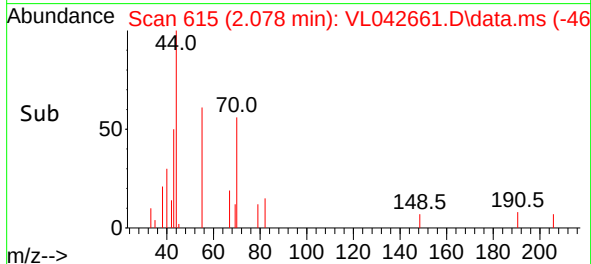
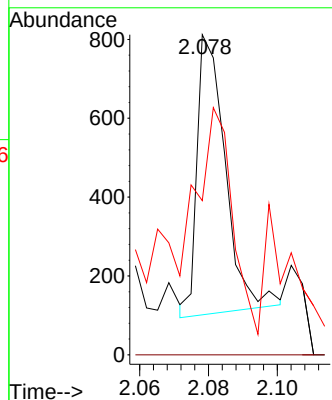
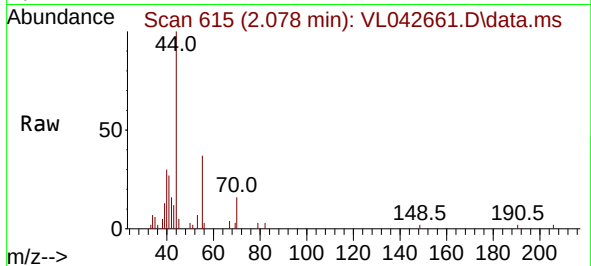




#21
 Allyl Chloride
 Concen: 0.044 ppbv
 RT: 2.078 min Scan# 615
 Delta R.T. -0.019 min
 Lab File: VL042661.D
 Acq: 20 Jun 2025 07:50

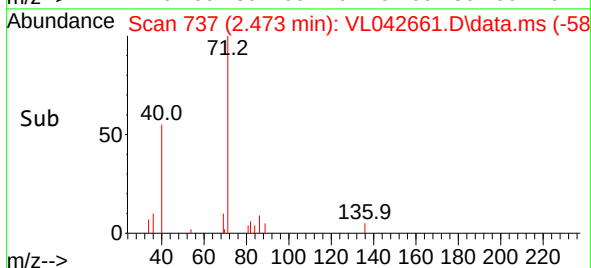
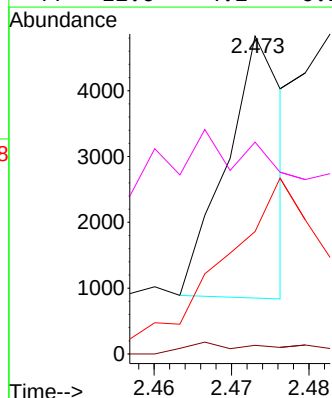
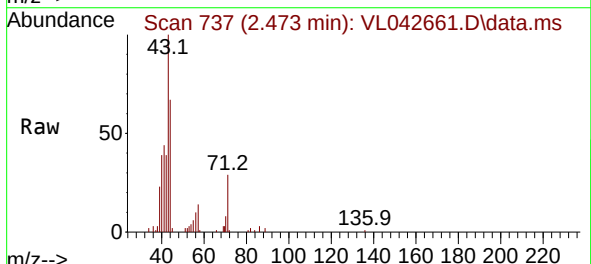
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

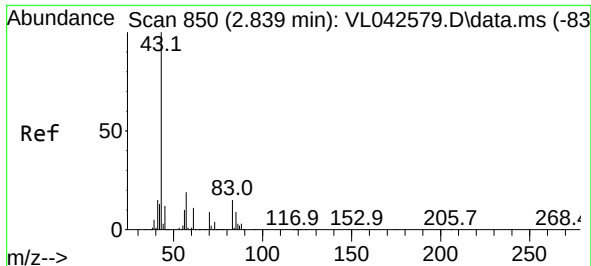
Tgt Ion:	41	Resp:	404
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	144.3	60.9	91.3#



#23
 Vinyl Acetate
 Concen: 0.116 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.006 min
 Lab File: VL042661.D
 Acq: 20 Jun 2025 07:50

Tgt Ion:	43	Resp:	2037
Ion	Ratio	Lower	Upper
43	100		
86	1.2	6.6	9.8#
42	35.7	7.0	10.4#
44	12.6	4.2	6.2#

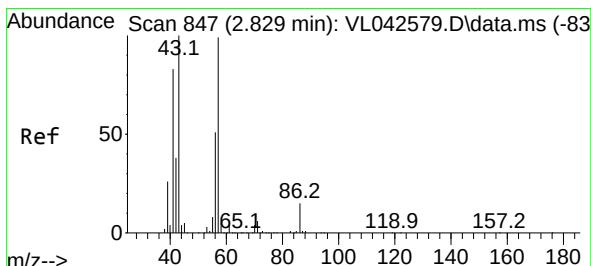
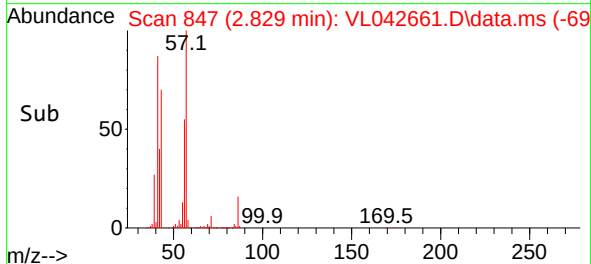
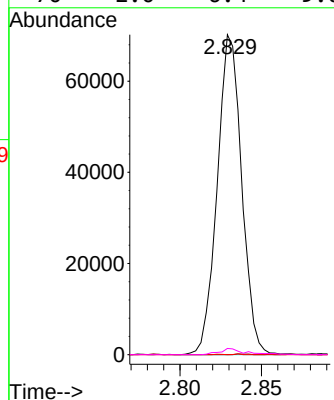
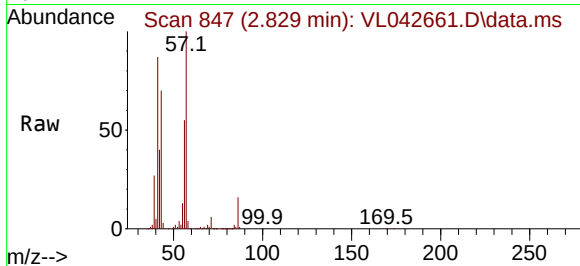




#25
Ethyl Acetate
Concen: 2.062 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.010 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

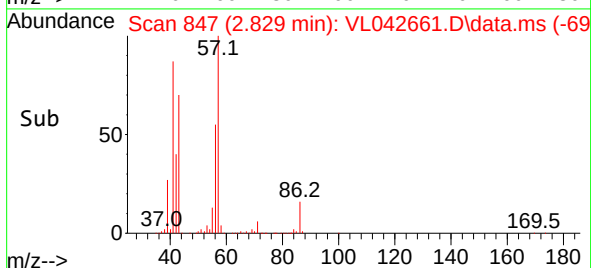
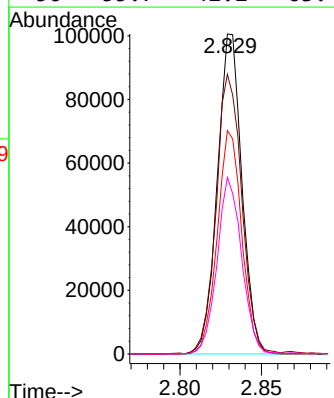
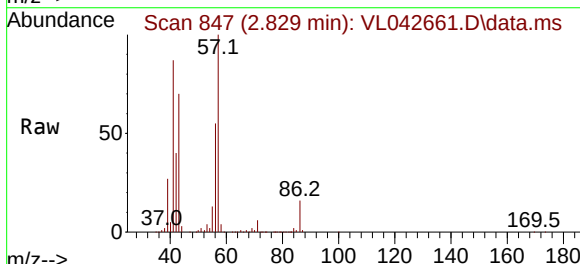
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

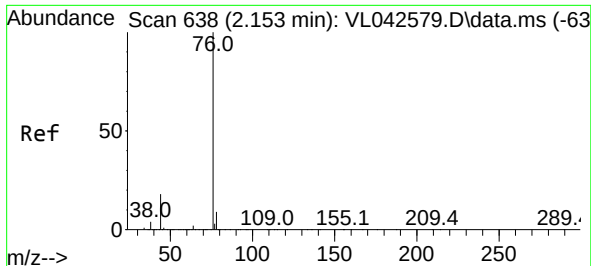
Tgt Ion: 43	Resp: 73203
Ion Ratio	Lower Upper
43 100	
45 0.2	8.2 12.2#
61 0.1	7.1 10.7#
70 2.0	6.4 9.6#



#26
Hexane
Concen: 6.532 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt	Ion: 57	Resp:	105398
Ion	Ratio	Lower	Upper
57	100		
41	92.2	70.6	106.0
43	69.6	181.1	271.7#
56	55.7	42.2	63.4

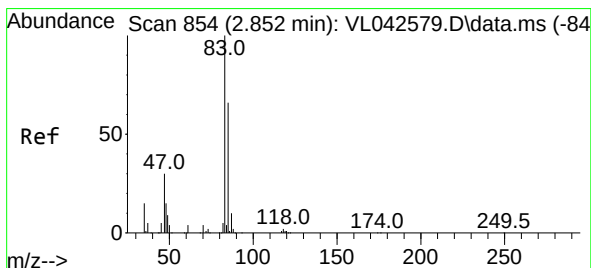
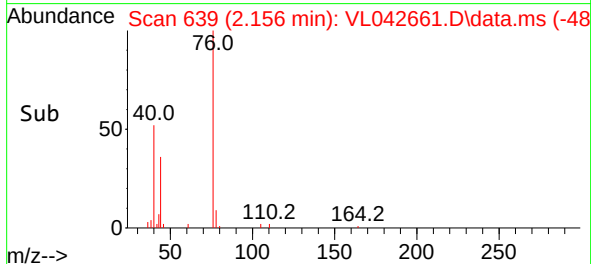
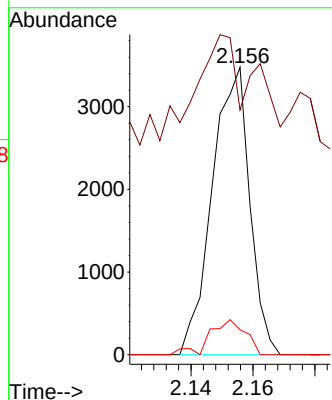
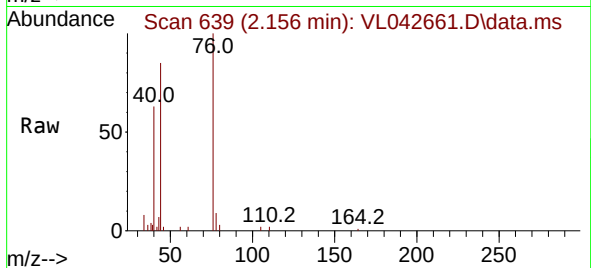




#27
Carbon Disulfide
Concen: 0.236 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

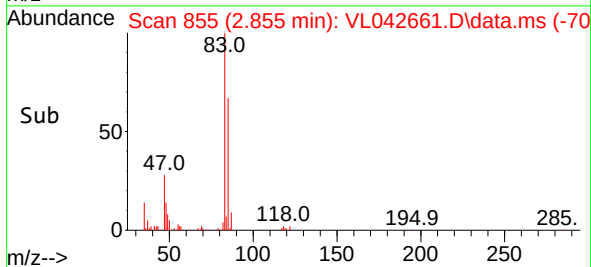
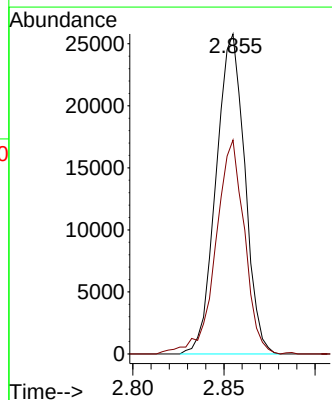
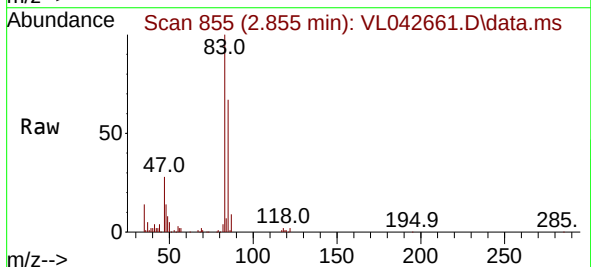
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

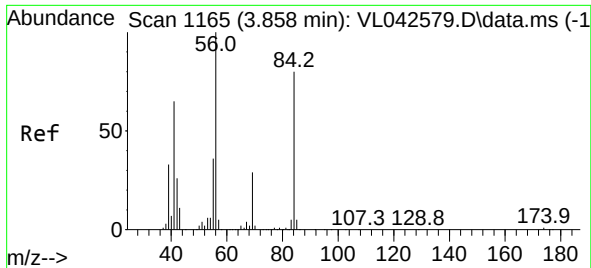
Tgt Ion: 76 Resp: 2918
Ion Ratio Lower Upper
76 100
44 101.3 21.3 31.9#
78 11.6 9.4 14.0



#29
Chloroform
Concen: 1.347 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 83 Resp: 28267
Ion Ratio Lower Upper
83 100
85 66.9 52.8 79.2

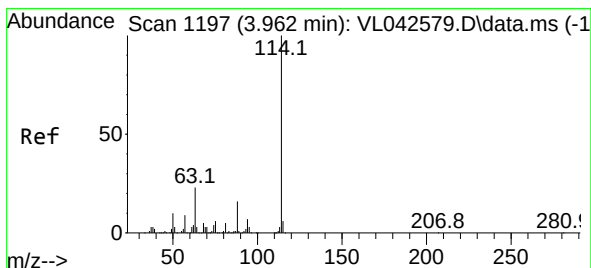
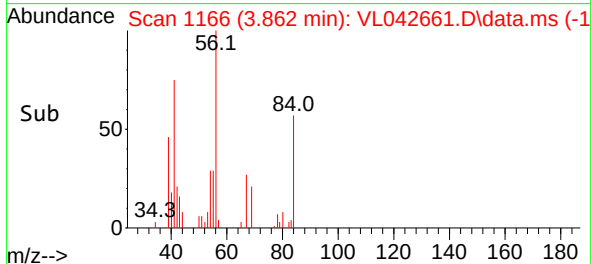
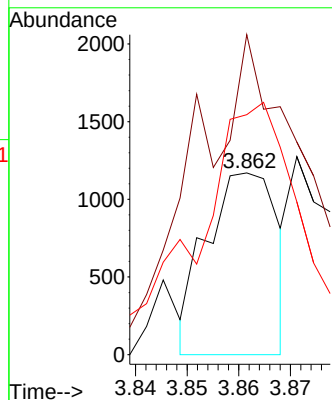
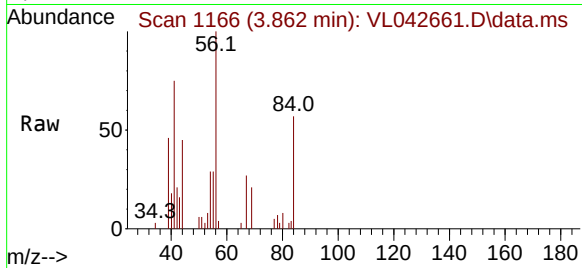




#30
Cyclohexane
Concen: 0.083 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

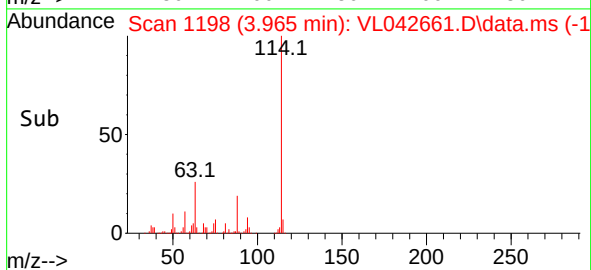
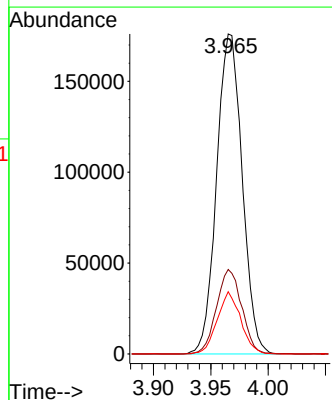
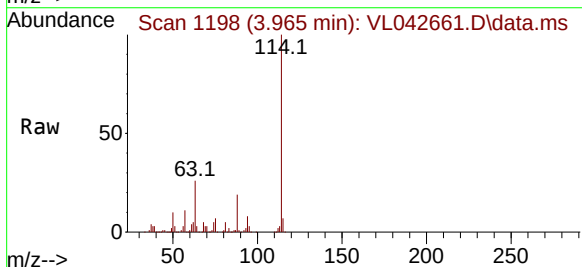
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

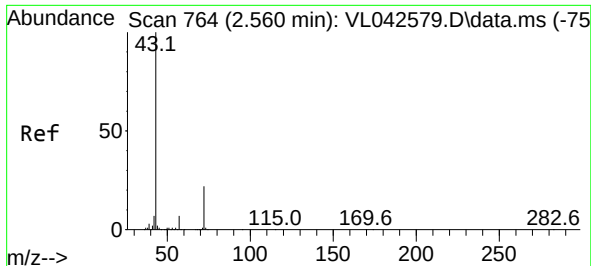
Tgt Ion: 84 Resp: 1114
Ion Ratio Lower Upper
84 100
56 329.2 103.7 155.5#
41 267.2 65.1 97.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 114 Resp: 272851
Ion Ratio Lower Upper
114 100
63 26.1 19.0 28.6
88 17.9 13.6 20.4

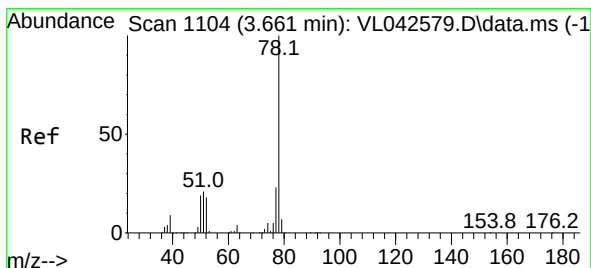
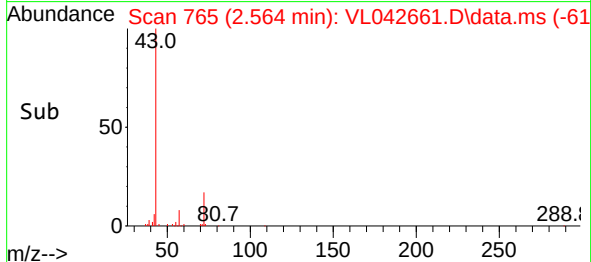
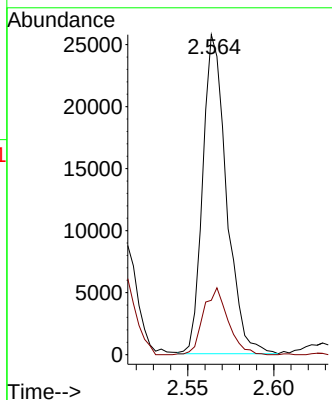
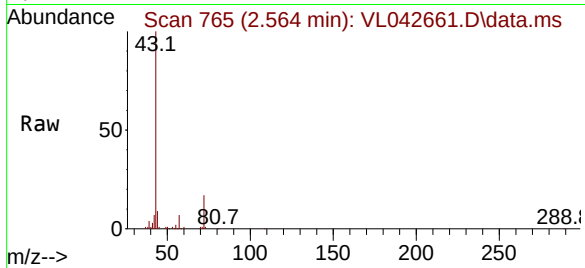




#34
2-Butanone
Concen: 1.272 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

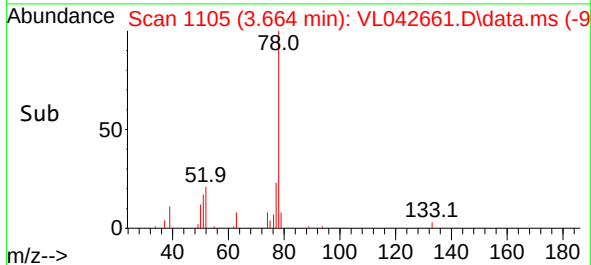
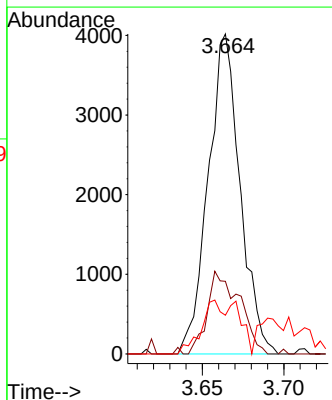
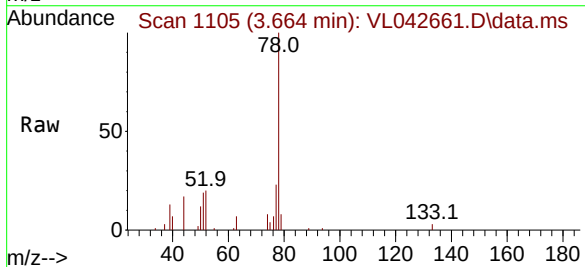
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

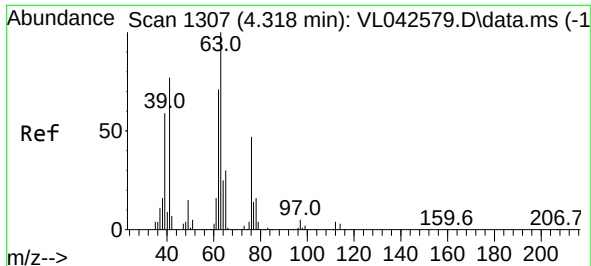
Tgt Ion: 43 Resp: 24745
Ion Ratio Lower Upper
43 100
72 21.9 17.7 26.5



#36
Benzene
Concen: 0.204 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 78 Resp: 5469
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2
50 12.1 15.2 22.8#





#39

1,2-Dichloropropane

Concen: 7.120 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.353 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

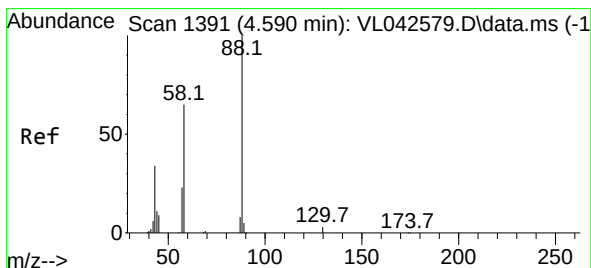
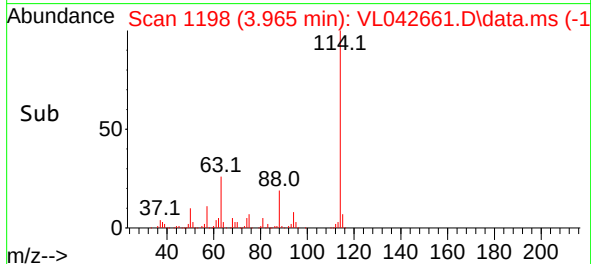
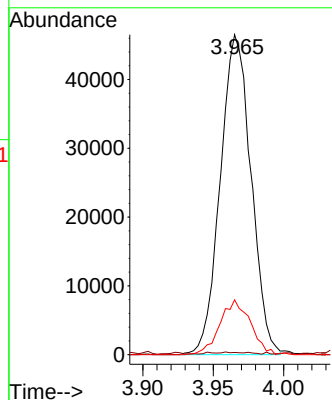
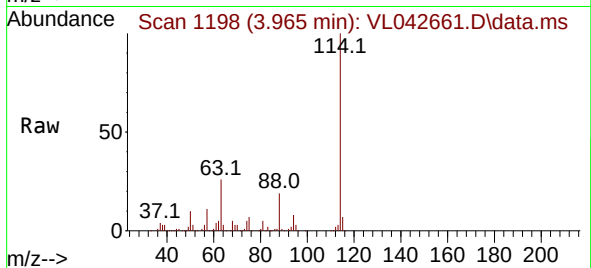
Tgt Ion: 63 Resp: 70746

Ion Ratio Lower Upper

63 100

41 0.5 61.8 92.6#

62 17.1 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.045 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.016 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Tgt Ion: 88 Resp: 200

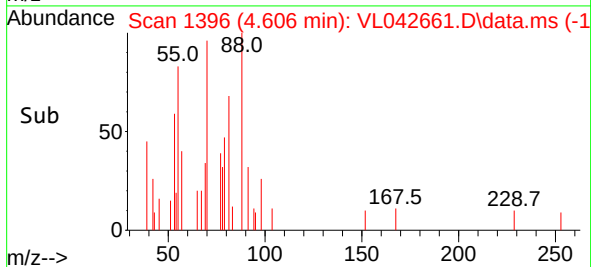
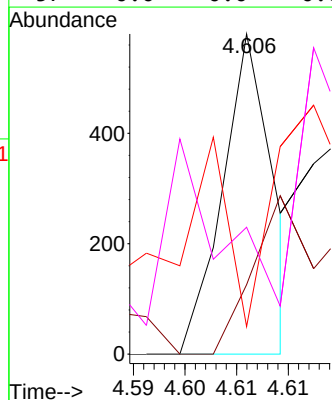
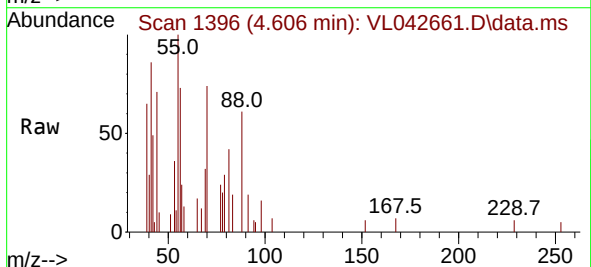
Ion Ratio Lower Upper

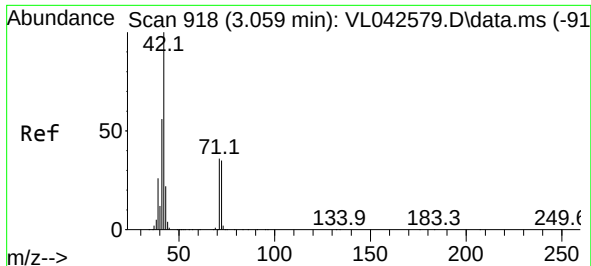
88 100

58 0.0 55.8 83.8#

43 698.5 24.8 37.2#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.244 ppbv

RT: 3.065 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

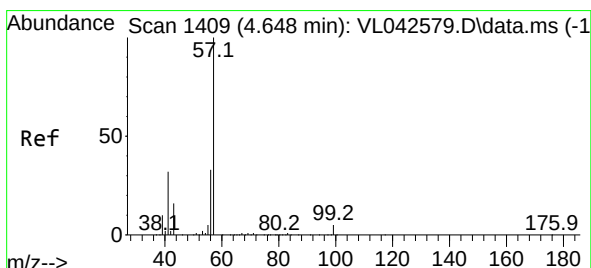
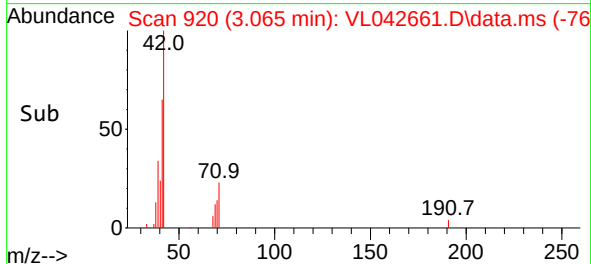
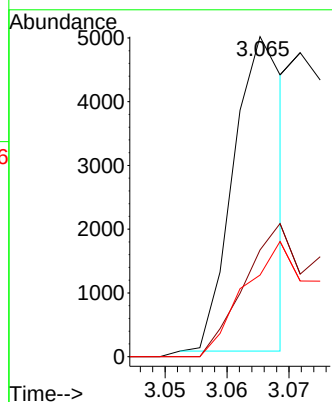
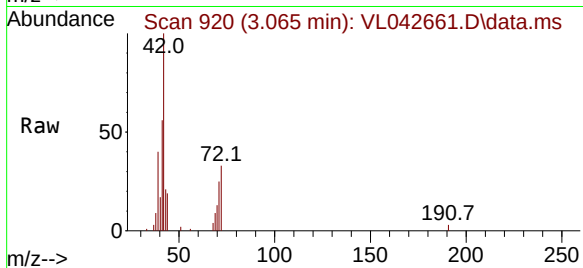
Tgt Ion: 42 Resp: 2784

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 28.5 42.7#



#44

2,2,4-Trimethylpentane

Concen: 0.051 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. -0.003 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

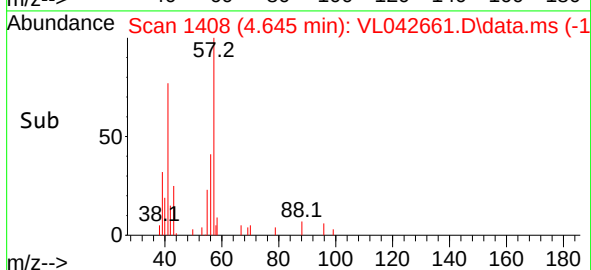
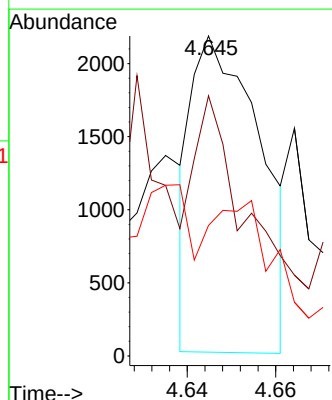
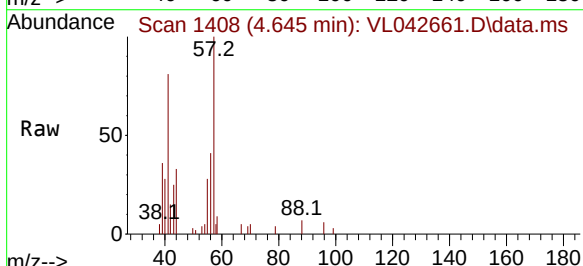
Tgt Ion: 57 Resp: 2333

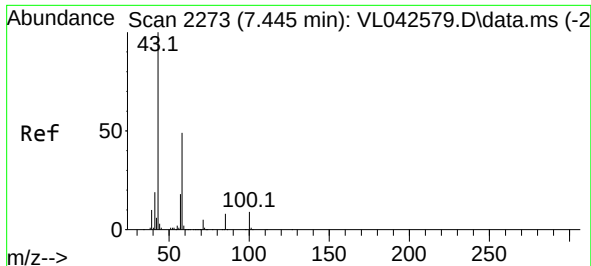
Ion Ratio Lower Upper

57 100

41 0.0 26.1 39.1#

56 0.0 25.9 38.9#

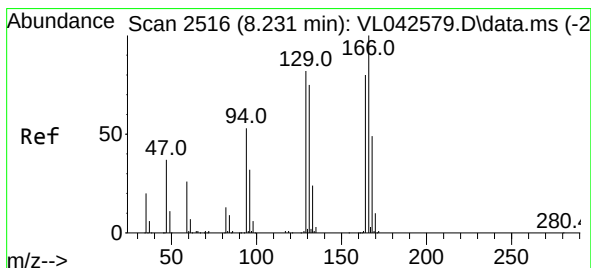
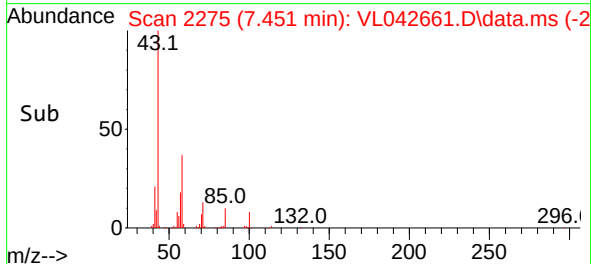
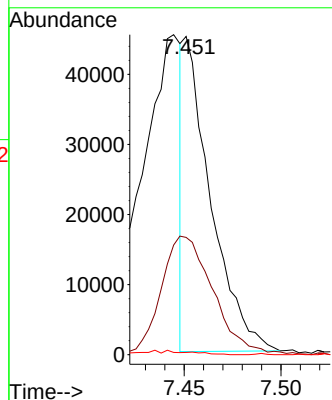
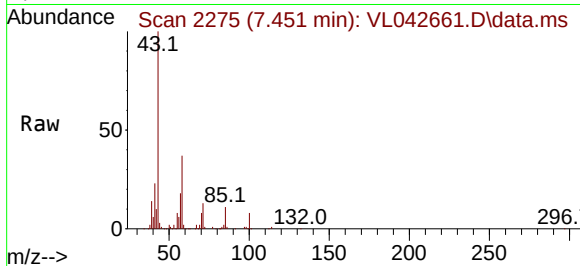




#51
2-Hexanone
Concen: 2.046 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

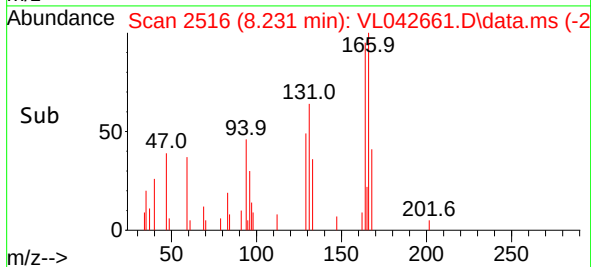
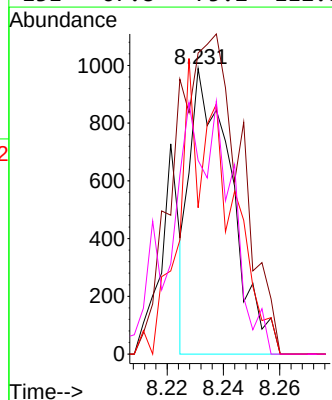
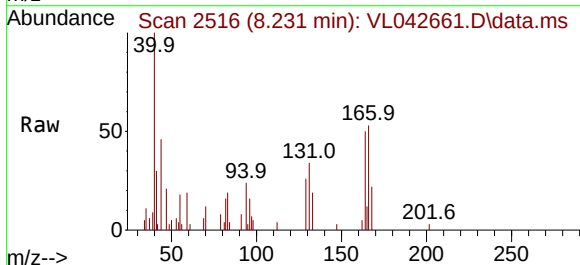
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

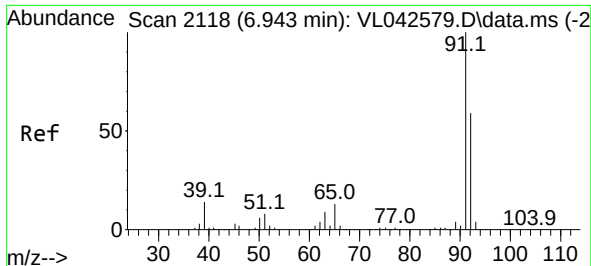
Tgt Ion: 43 Resp: 43788
Ion Ratio Lower Upper
43 100
58 72.4 39.9 59.9#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.101 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 164 Resp: 1011
Ion Ratio Lower Upper
164 100
166 105.5 100.0 150.0
129 51.3 82.2 123.4#
131 67.8 75.2 112.8#

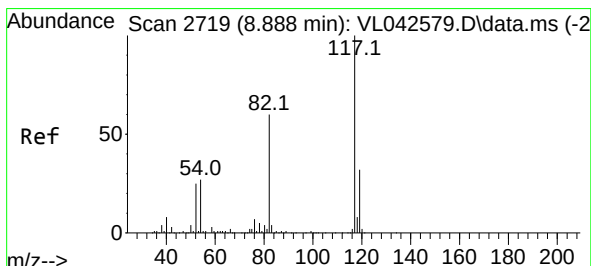
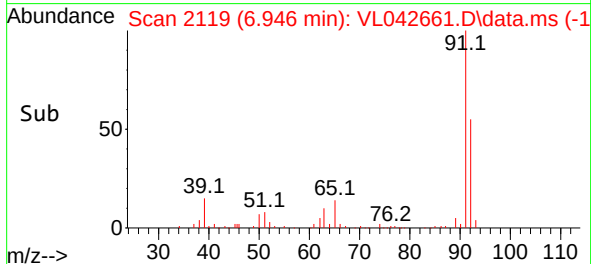
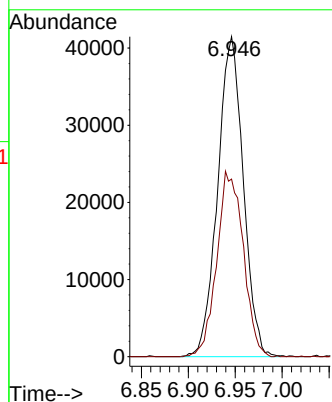
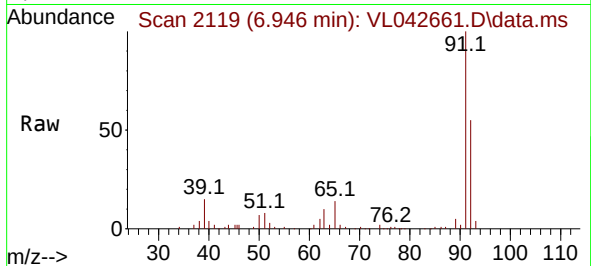




#53
Toluene
Concen: 2.538 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

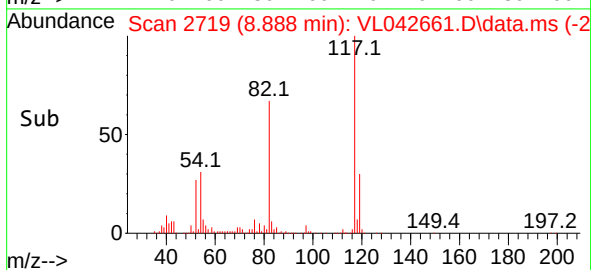
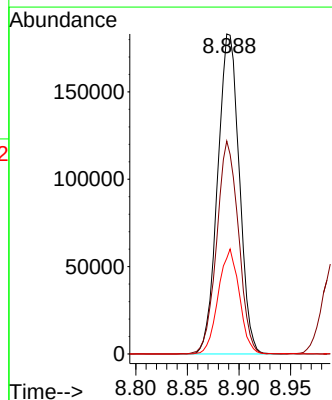
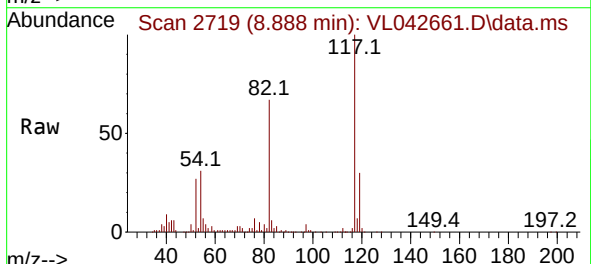
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

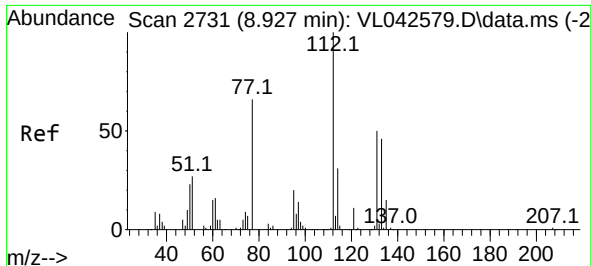
Tgt Ion: 91 Resp: 78813
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 117 Resp: 266896
Ion Ratio Lower Upper
117 100
82 67.1 51.2 76.8
119 32.0 26.3 39.5

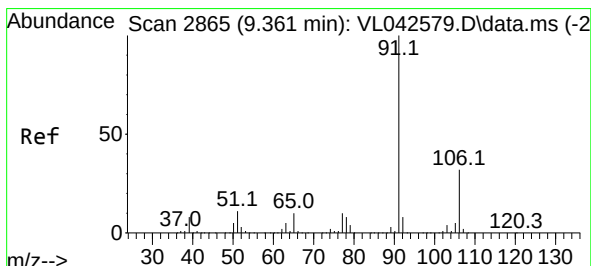
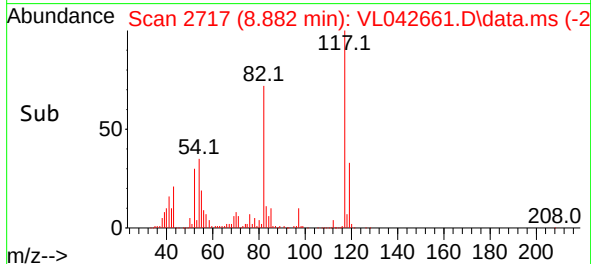
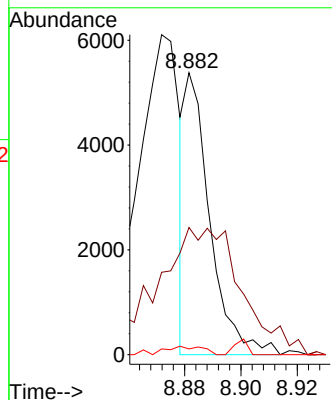
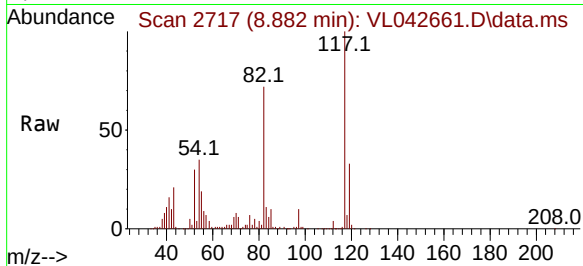




#57
Chlorobenzene
Concen: 0.127 ppbv
RT: 8.882 min Scan# 21
Delta R.T. -0.045 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

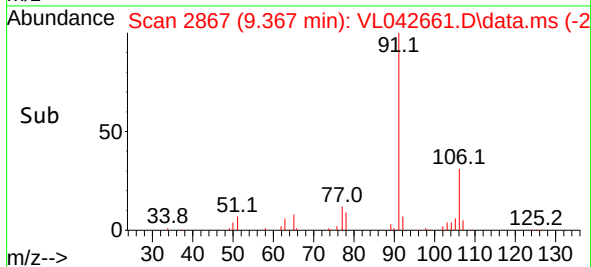
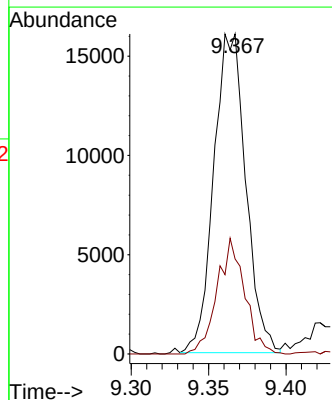
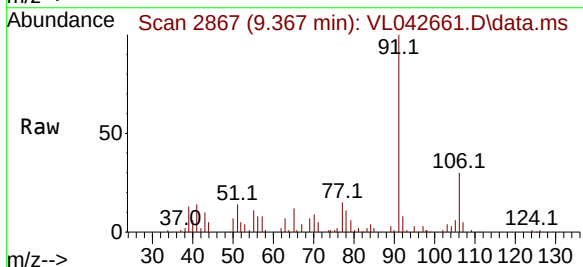
Instrument :
MSVOA_1
ClientSampleId :
SV1DUP

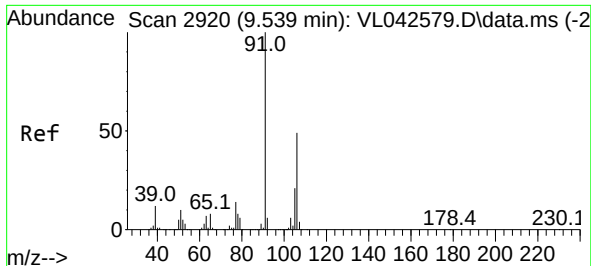
Tgt Ion:112 Resp: 3279
Ion Ratio Lower Upper
112 100
77 34.9 53.5 80.3#
114 0.0 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.510 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.006 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion: 91 Resp: 23067
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9





#59

m/p-Xylene

Concen: 4.073 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_1

ClientSampleId :

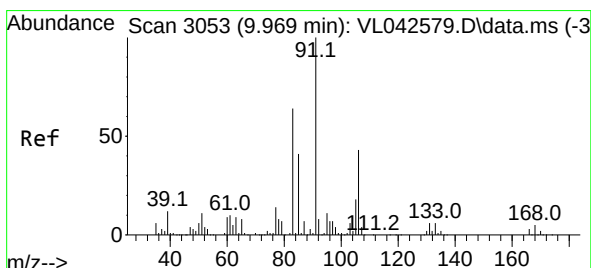
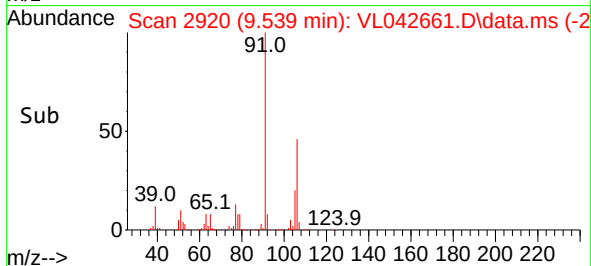
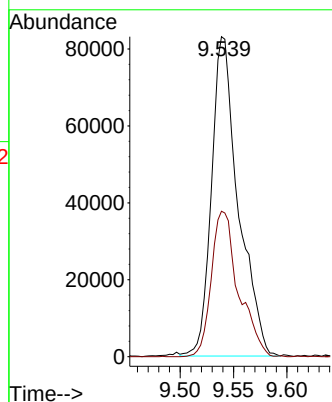
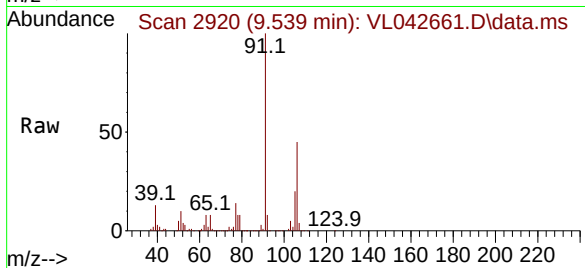
SV1DUP

Tgt Ion: 91 Resp: 145101

Ion Ratio Lower Upper

91 100

106 46.2 38.8 58.2



#60

o-Xylene

Concen: 1.648 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042661.D

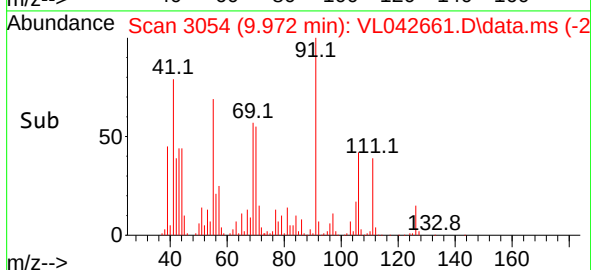
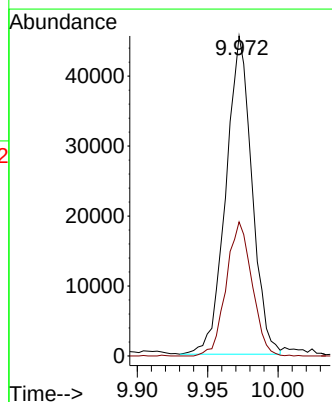
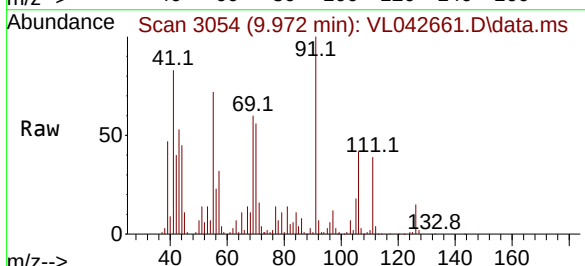
Acq: 20 Jun 2025 07:50

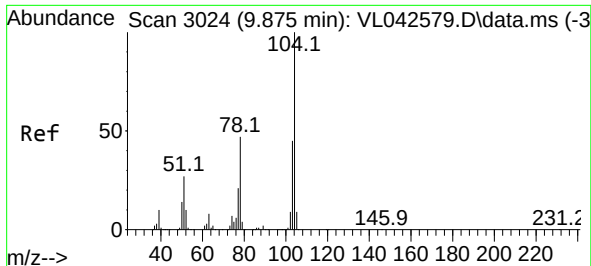
Tgt Ion: 91 Resp: 58551

Ion Ratio Lower Upper

91 100

106 41.7 22.9 68.5

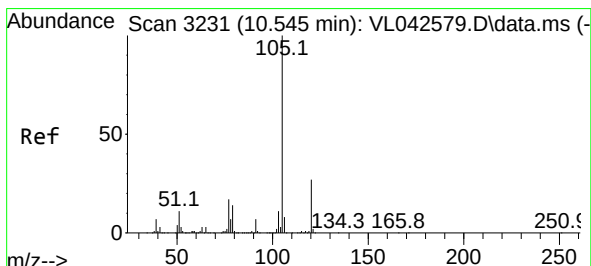
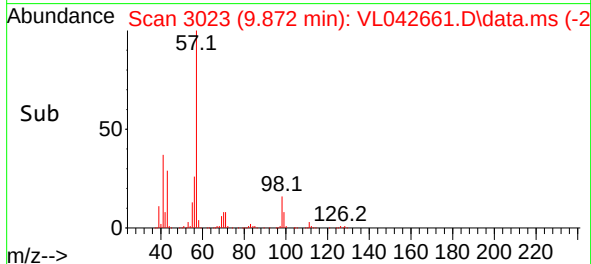
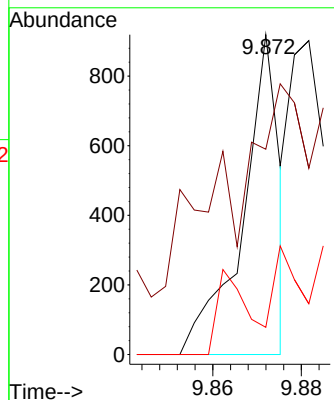
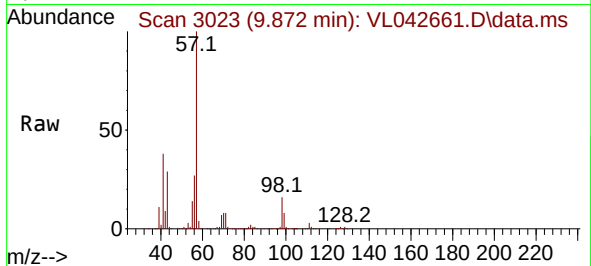




#61
Styrene
Concen: 0.031 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

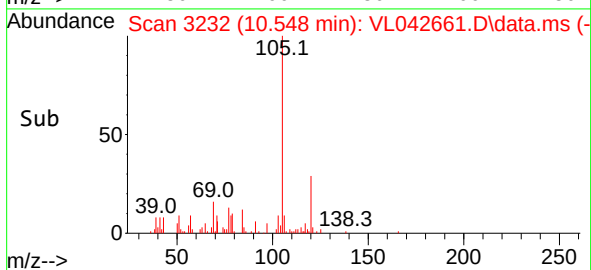
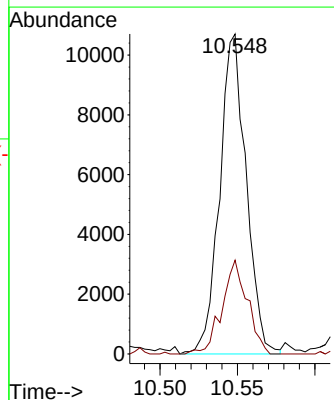
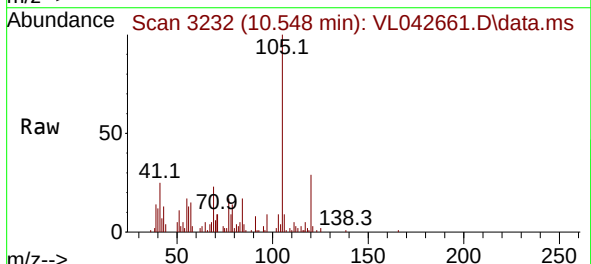
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

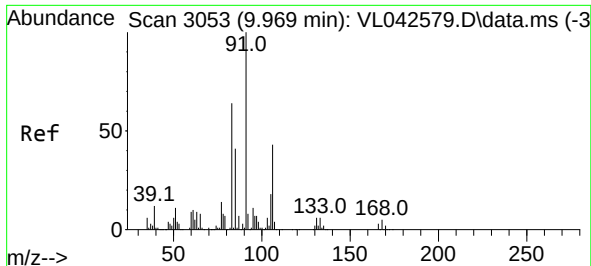
Tgt Ion:104 Resp: 526
Ion Ratio Lower Upper
104 100
78 438.4 38.2 57.4#
103 72.6 36.7 55.1#



#62
Isopropylbenzene
Concen: 0.243 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion:105 Resp: 12744
Ion Ratio Lower Upper
105 100
120 28.2 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.437 ppbv

RT: 9.959 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

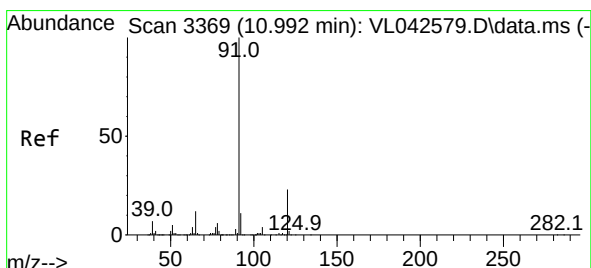
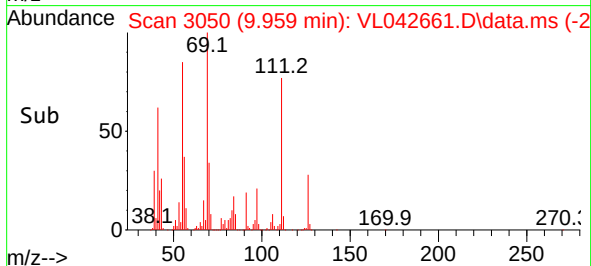
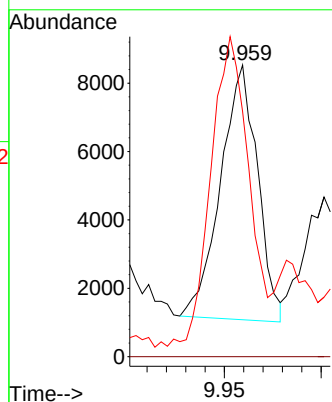
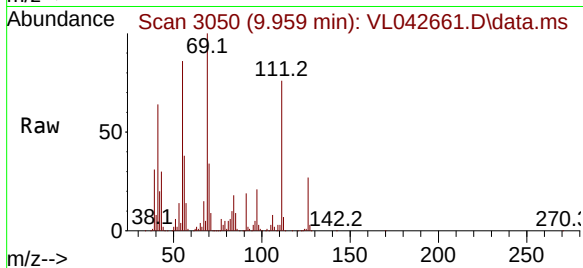
Tgt Ion: 83 Resp: 9879

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 145.9 32.5 97.4#



#64

n-propylbenzene

Concen: 0.420 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.003 min

Lab File: VL042661.D

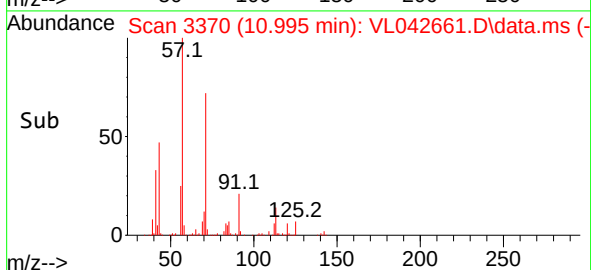
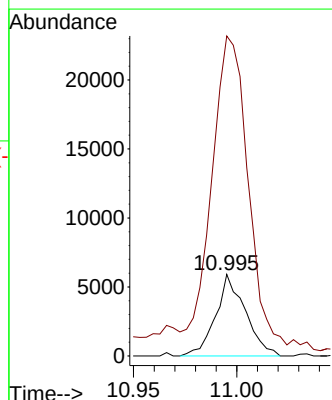
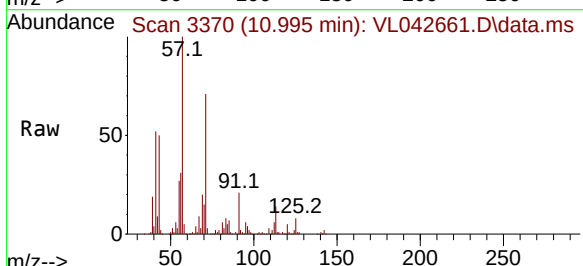
Acq: 20 Jun 2025 07:50

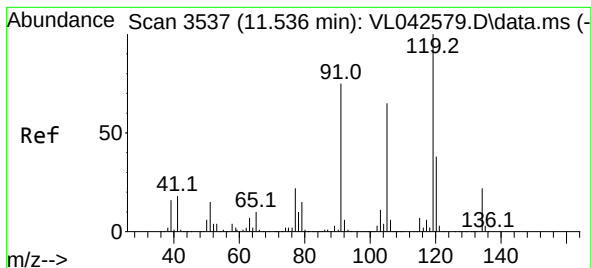
Tgt Ion: 120 Resp: 5906

Ion Ratio Lower Upper

120 100

91 526.9 363.0 544.6





#65

tert-Butylbenzene

Concen: 0.128 ppbv

RT: 11.888 min Scan# 3

Delta R.T. 0.353 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

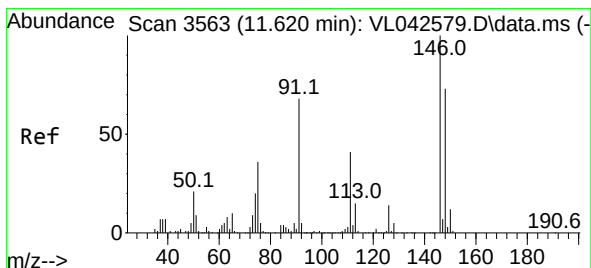
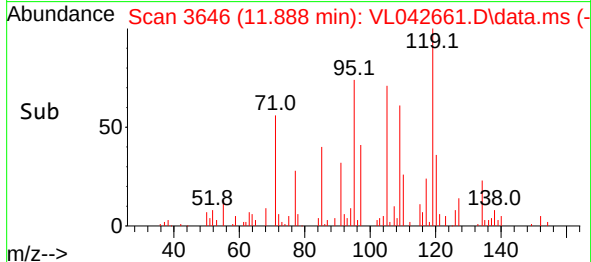
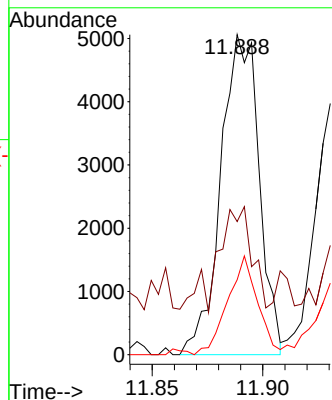
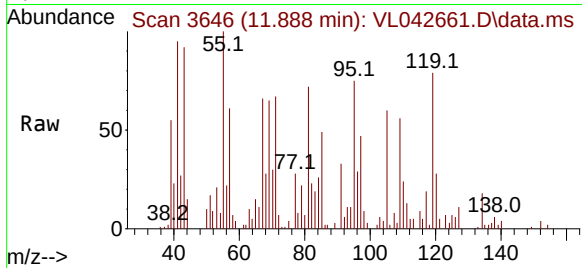
Tgt Ion:119 Resp: 6086

Ion Ratio Lower Upper

119 100

91 74.4 61.1 91.7

134 25.2 17.4 26.2



#66

Benzyl Chloride

Concen: 0.035 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.006 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

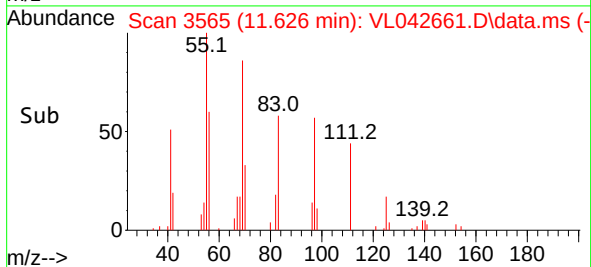
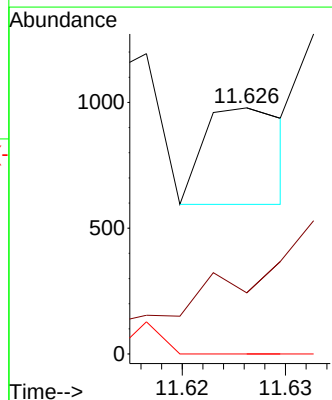
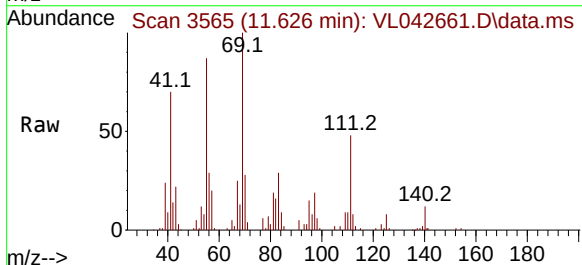
Tgt Ion: 91 Resp: 212

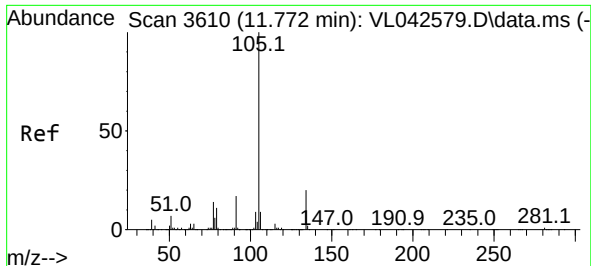
Ion Ratio Lower Upper

91 100

126 0.0 15.1 22.7#

128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.114 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. -0.000 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

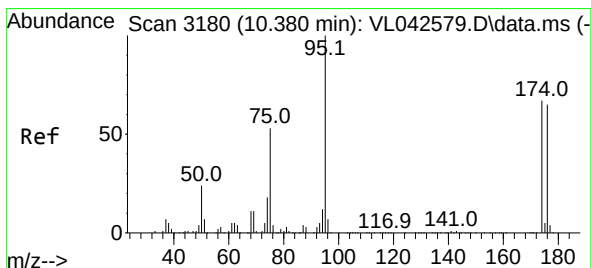
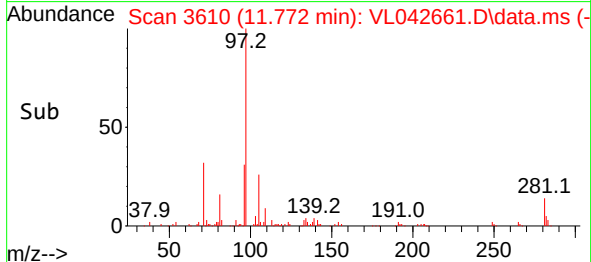
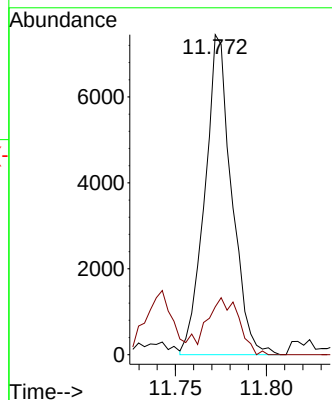
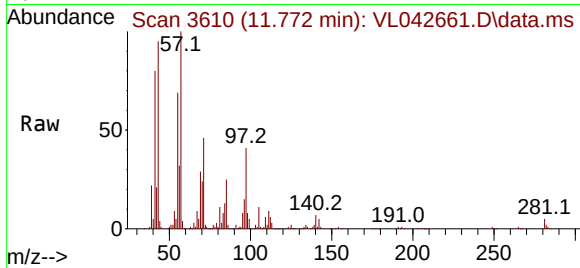
SV1DUP

Tgt Ion:105 Resp: 7637

Ion Ratio Lower Upper

105 100

134 20.7 15.8 23.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.485 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.003 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

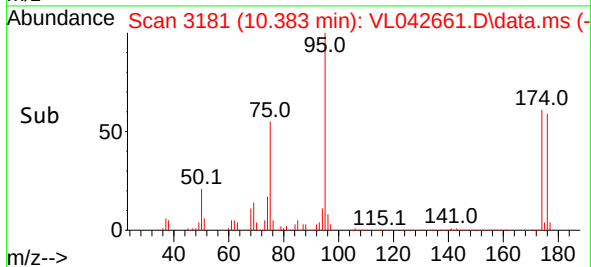
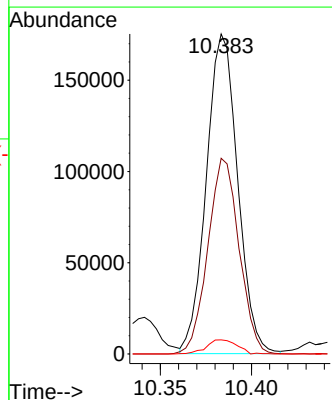
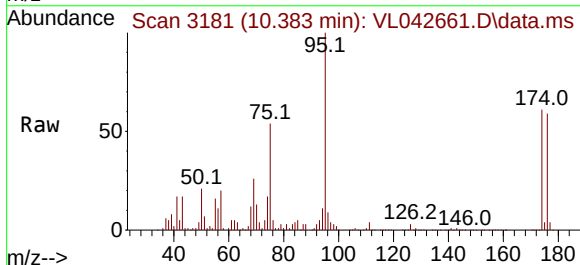
Tgt Ion: 95 Resp: 209773

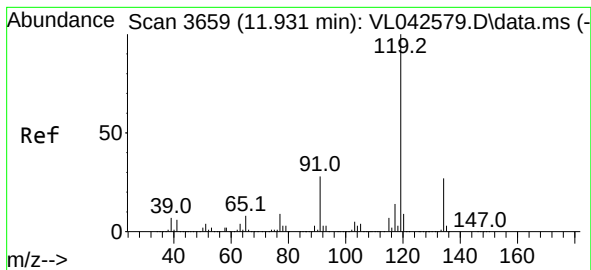
Ion Ratio Lower Upper

95 100

174 60.9 53.1 79.7

175 4.3 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.076 ppbv

RT: 11.934 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042661.D

Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

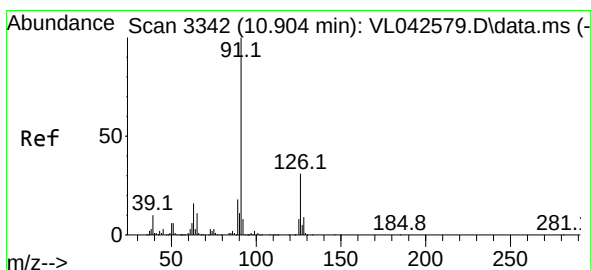
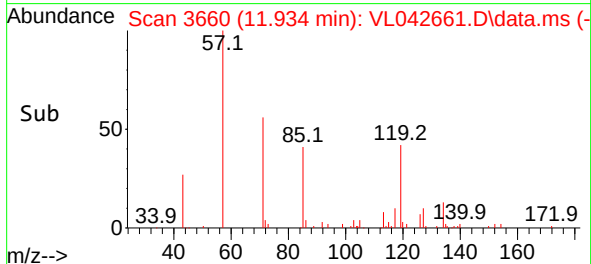
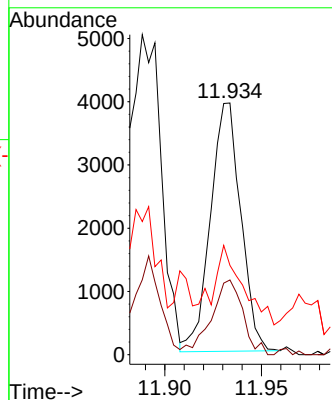
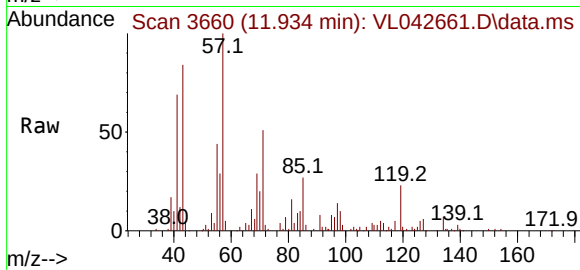
Tgt Ion:119 Resp: 4286

Ion Ratio Lower Upper

119 100

134 32.2 21.1 31.7#

91 30.3 21.9 32.9



#71

2-Chlorotoluene

Concen: 0.696 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.091 min

Lab File: VL042661.D

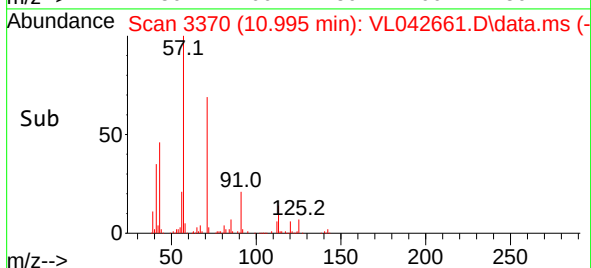
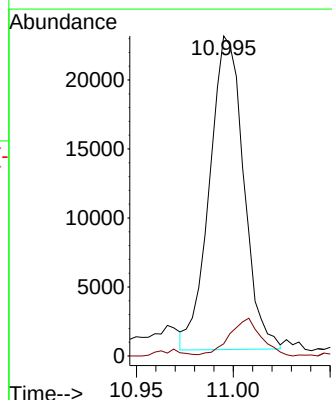
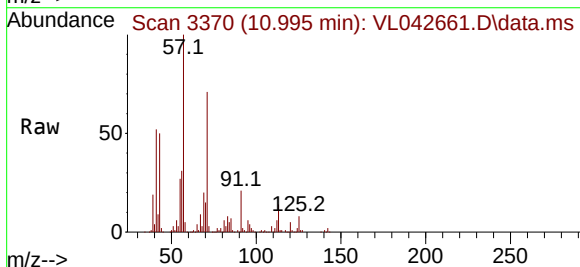
Acq: 20 Jun 2025 07:50

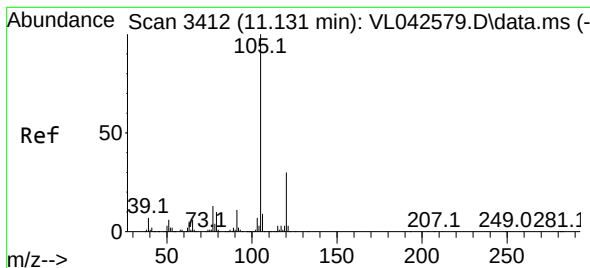
Tgt Ion: 91 Resp: 27854

Ion Ratio Lower Upper

91 100

126 12.7 12.6 50.4

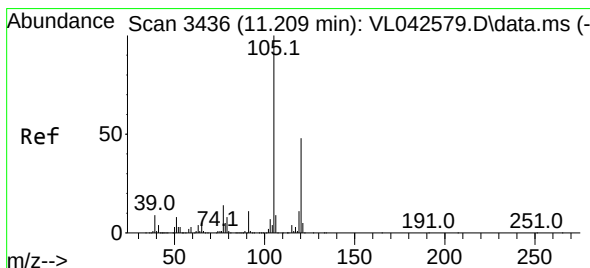
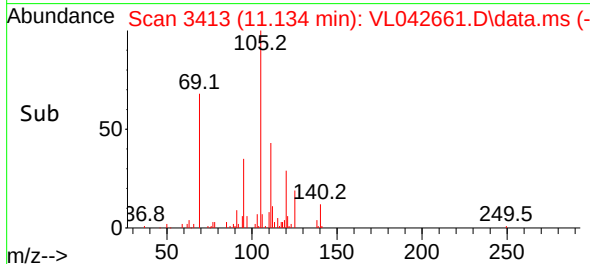
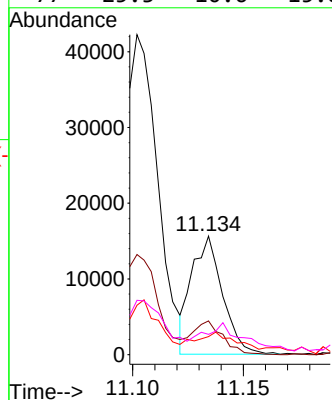
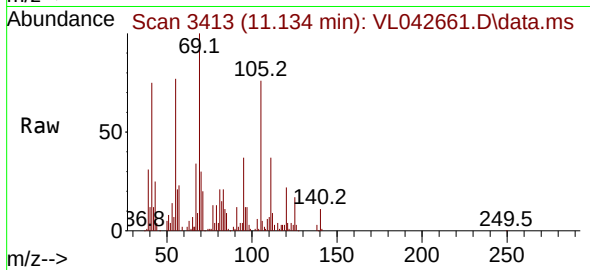




#72
4-Ethyltoluene
Concen: 0.340 ppbv
RT: 11.134 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

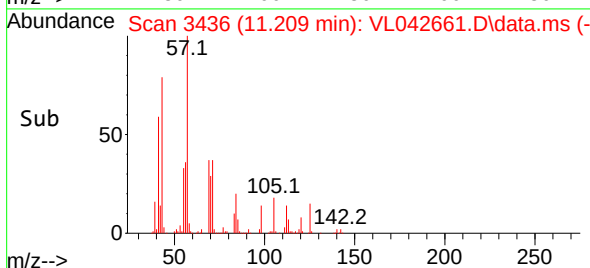
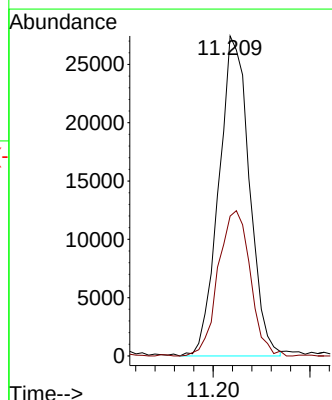
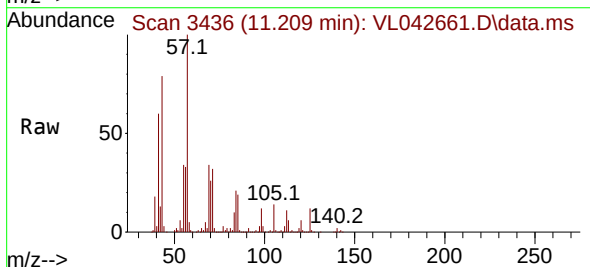
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

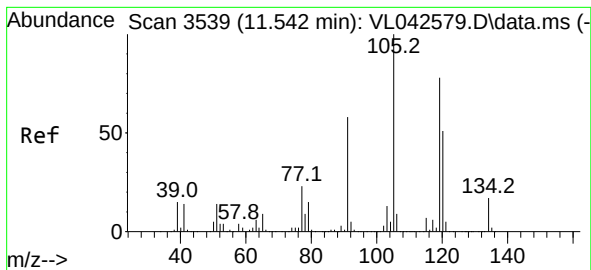
Tgt Ion:105 Resp: 15083
Ion Ratio Lower Upper
105 100
120 0.0 24.6 36.8#
91 16.2 9.6 14.4#
77 25.3 10.6 15.8#



#73
1,3,5-Trimethylbenzene
Concen: 0.820 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. -0.000 min
Lab File: VL042661.D
Acq: 20 Jun 2025 07:50

Tgt Ion:105 Resp: 30048
Ion Ratio Lower Upper
105 100
120 43.7 38.8 58.2





#74

1,2,4-Trimethylbenzene

Concen: 0.682 ppbv

RT: 11.542 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042661.D

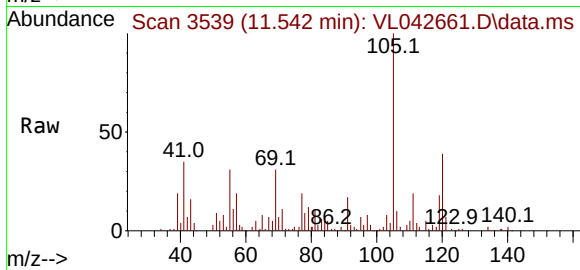
Acq: 20 Jun 2025 07:50

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP



Tgt Ion:105 Resp: 27758

Ion Ratio Lower Upper

105 100

120 39.0 40.8 61.2#

91 12.8 46.8 70.2#

77 13.7 18.2 27.2#

