

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042924.D
 Acq On : 10 Sep 2025 12:05
 Operator : SY/MD
 Sample : Q3052-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Sep 11 01:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	145473	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	373895	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	348255	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	272828	10.446	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	1.473	51	4797	0.204	ppbv #	89
4) Chloromethane	1.531	50	705	0.082	ppbv #	84
6) Bromomethane	1.667	94	173	0.051	ppbv #	4
7) Chloroethane	1.703	64	281	0.085	ppbv #	72
9) Propene	1.097	41	35305	3.469	ppbv	98
10) Heptane	4.972	43	131938	4.840	ppbv	100
11) Trichlorofluoromethane	1.871	101	1465	0.070	ppbv #	63
13) Ethanol	1.719	45	238775	256.588	ppbv	91
15) Acetone	1.832	43	1819220	94.537	ppbv #	86
16) 1,3-Butadiene	1.619	39	2410	0.276	ppbv #	48
17) tert-Butyl alcohol	2.039	59	17921	0.785	ppbv #	92
19) Isopropyl Alcohol	1.884	45	48842	4.249	ppbv #	34
20) Methylene Chloride	2.059	84	12308	1.527	ppbv	88
21) Allyl Chloride	2.072	41	3821	0.281	ppbv #	1
23) Vinyl Acetate	2.470	43	96668	3.653	ppbv #	49
25) Ethyl Acetate	2.819	43	186368	4.002	ppbv #	83
26) Hexane	2.819	57	265272	12.339	ppbv #	44
27) Carbon Disulfide	2.146	76	15790	0.755	ppbv #	74
29) Chloroform	2.845	83	1113904	36.292	ppbv	98
30) Cyclohexane	3.858	84	1423	0.075	ppbv #	1
34) 2-Butanone	2.557	43	68301	2.705	ppbv	99
36) Benzene	3.648	78	14190	0.396	ppbv #	92
38) Trichloroethene	4.541	130	2821	0.173	ppbv #	84
39) 1,2-Dichloropropane	3.952	63	97632	7.466	ppbv #	27
40) 1,4-Dioxane	4.596	88	3138	0.505	ppbv #	1
41) Tetrahydrofuran	3.062	42	5283	0.375	ppbv	95
42) Bromodichloromethane	4.483	83	68189	2.446	ppbv #	85
44) 2,2,4-Trimethylpentane	4.625	57	2373	0.039	ppbv #	1
51) 2-Hexanone	7.432	43	61368	2.285	ppbv #	80
52) Tetrachloroethene	8.225	164	1128682	87.140	ppbv	92
53) Toluene	6.927	91	124472	2.924	ppbv	99
57) Chlorobenzene	8.975	112	52365	1.581	ppbv #	36
58) Ethyl Benzene	9.354	91	44896	0.731	ppbv #	88
59) m/p-Xylene	9.529	91	103451	2.148	ppbv #	100
60) o-Xylene	9.963	91	49722	1.026	ppbv	96
61) Styrene	9.866	104	3311	0.146	ppbv #	73
62) Isopropylbenzene	10.539	105	12682	0.179	ppbv	94
63) 1,1,2,2-Tetrachloroethane	9.950	83	4303	0.161	ppbv #	1
64) n-propylbenzene	10.989	120	4490	0.249	ppbv #	21
65) tert-Butylbenzene	11.532	119	4019	0.064	ppbv #	1
66) Benzyl Chloride	11.600	91	863	0.109	ppbv #	1
67) sec-Butylbenzene	11.875	105	8608	0.098	ppbv	97
69) p-Isopropyltoluene	11.924	119	5463	0.073	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
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 Sample : Q3052-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

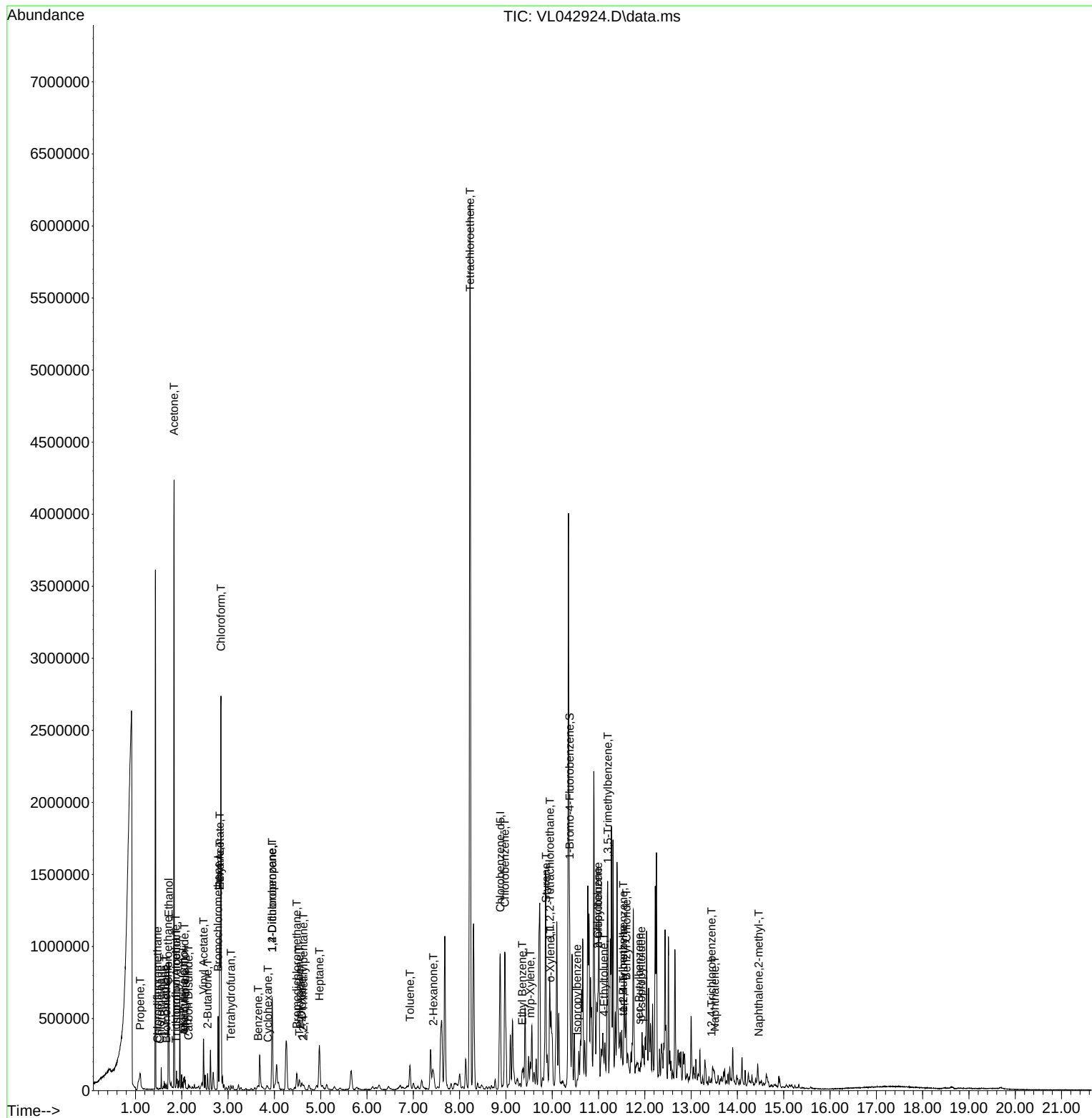
Quant Time: Sep 11 01:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

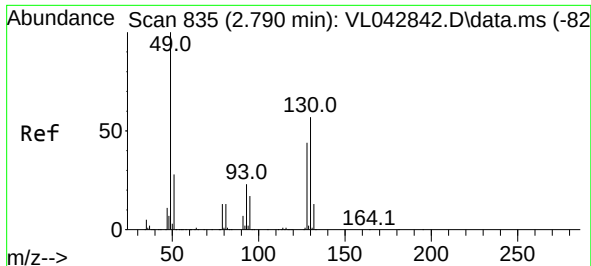
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) 2-Chlorotoluene	10.985	91	23895	0.435	ppbv	79
72) 4-Ethyltoluene	11.121	105	10749	0.183	ppbv #	42
73) 1,3,5-Trimethylbenzene	11.202	105	15100	0.302	ppbv	89
74) 1,2,4-Trimethylbenzene	11.536	105	30248	0.552	ppbv #	56
79) Naphthalene	13.510	128	4701	0.095	ppbv #	75
80) Naphthalene,2-methyl-	14.462	142	2315	0.125	ppbv #	82
81) 1,2,4-Trichlorobenzene	13.439	180	766	0.031	ppbv #	1

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

Quant Time: Sep 11 01:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

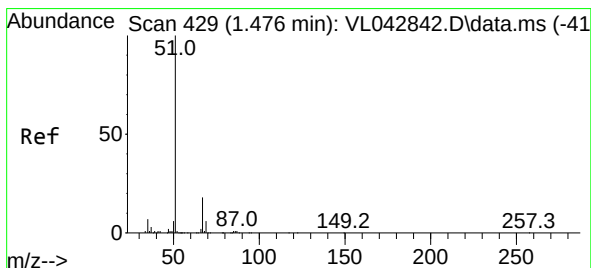
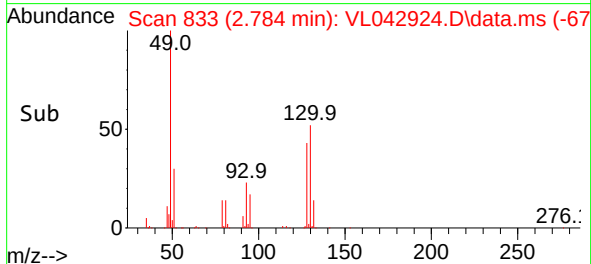
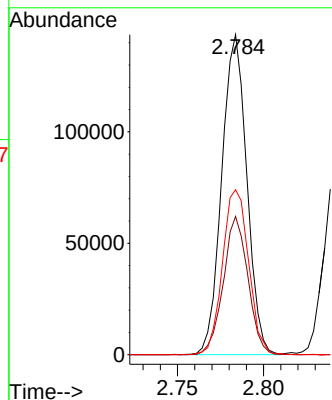
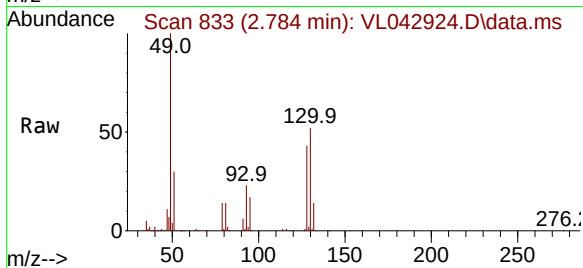




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

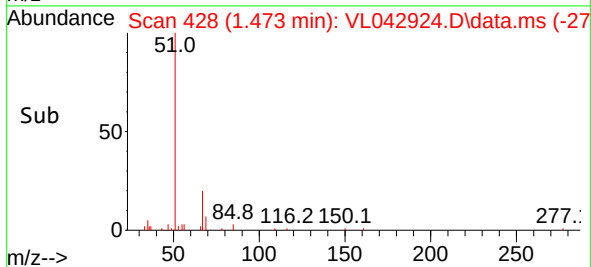
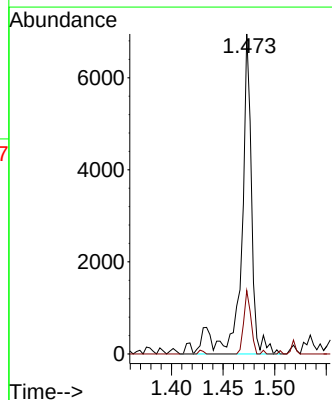
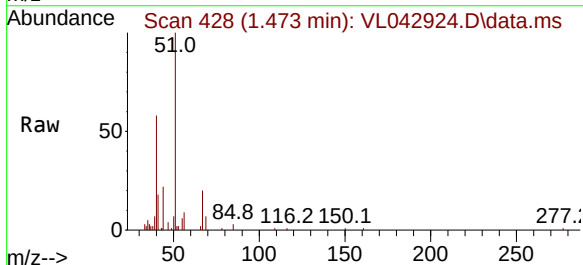
Instrument :
MSVOA_L
ClientSampleId :
SV2

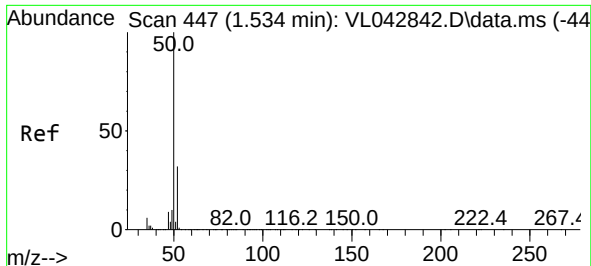
Tgt Ion: 49 Resp: 145473
Ion Ratio Lower Upper
49 100
128 42.4 23.7 71.1
130 53.7 30.6 91.6



#3
Chlorodifluoromethane
Concen: 0.204 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 51 Resp: 4797
Ion Ratio Lower Upper
51 100
67 13.8 14.9 22.3#

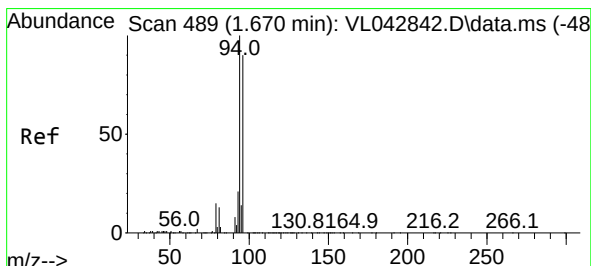
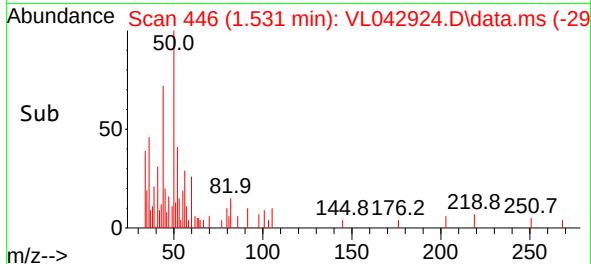
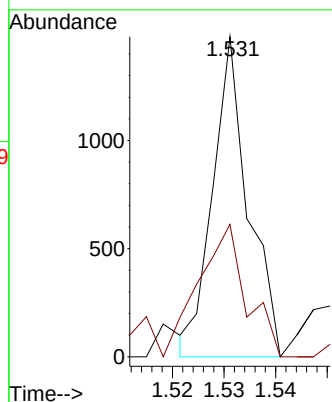
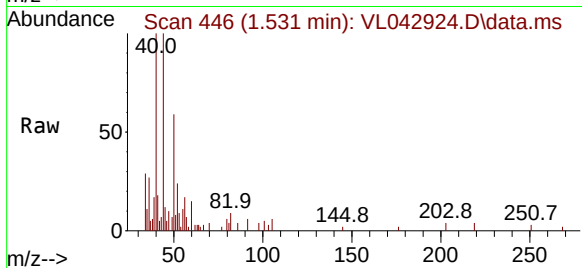




#4
Chloromethane
Concen: 0.082 ppbv
RT: 1.531 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

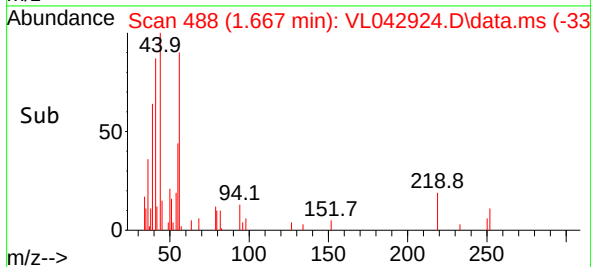
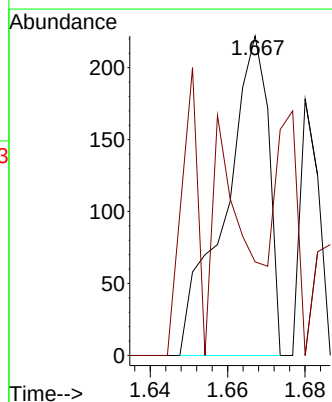
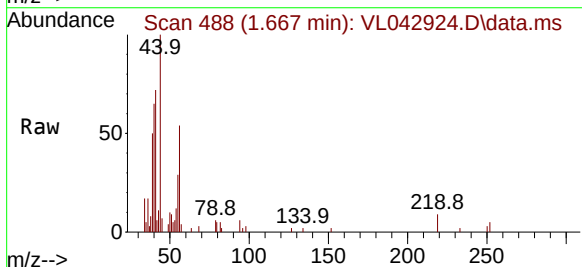
Instrument :
MSVOA_L
ClientSampleId :
SV2

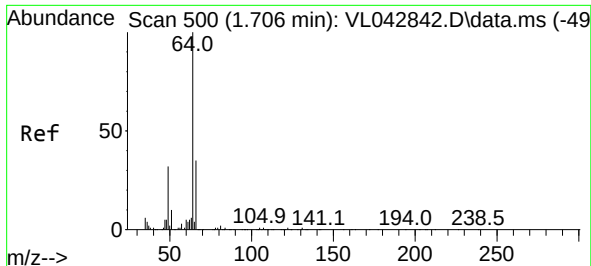
Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 41.4 25.9 38.9#



#6
Bromomethane
Concen: 0.051 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 0.0 72.1 108.1#

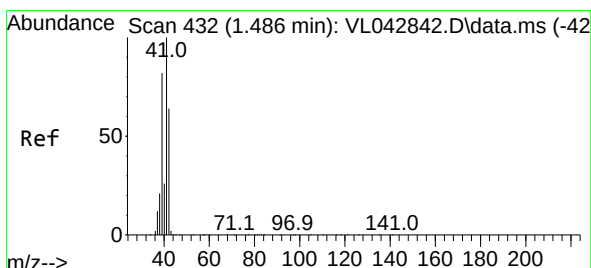
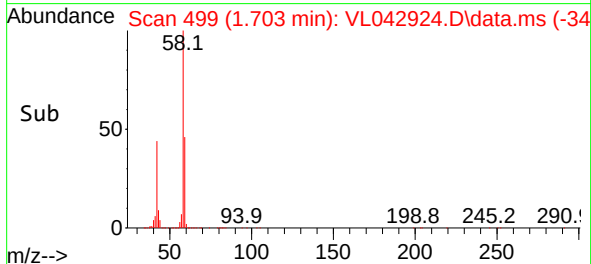
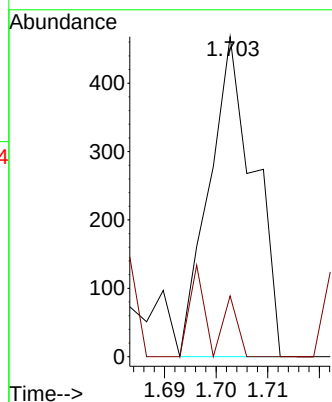
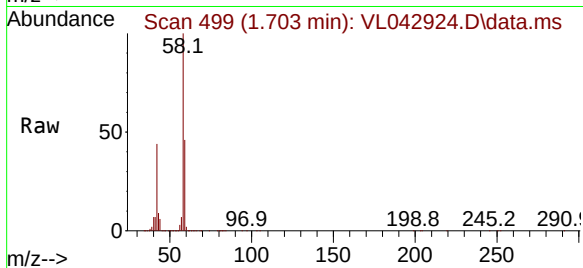




#7
Chloroethane
Concen: 0.085 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

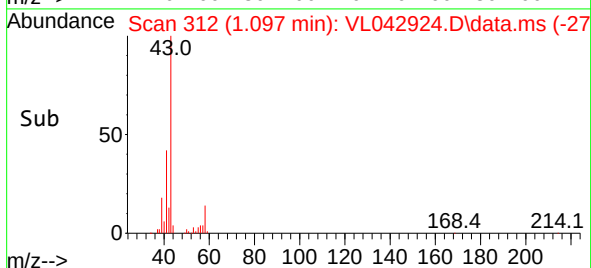
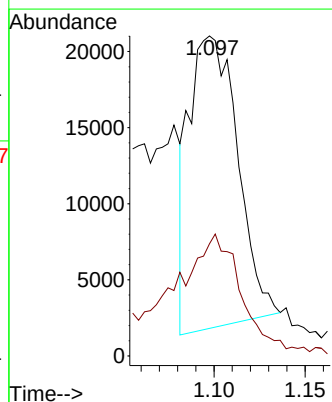
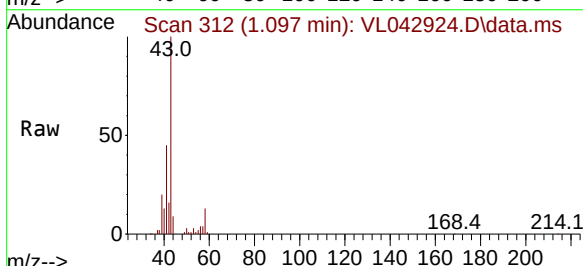
Instrument :
MSVOA_L
ClientSampleId :
SV2

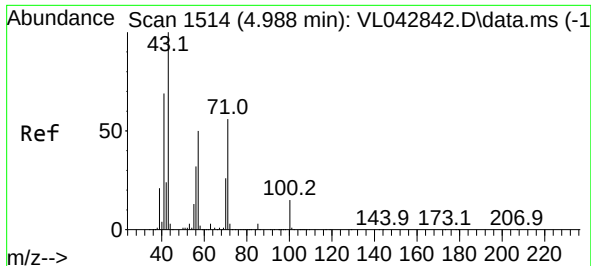
Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 19.0 28.6 42.8#



#9
Propene
Concen: 3.469 ppbv
RT: 1.097 min Scan# 312
Delta R.T. -0.379 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 41 Resp: 35305
Ion Ratio Lower Upper
41 100
42 64.6 53.0 79.4

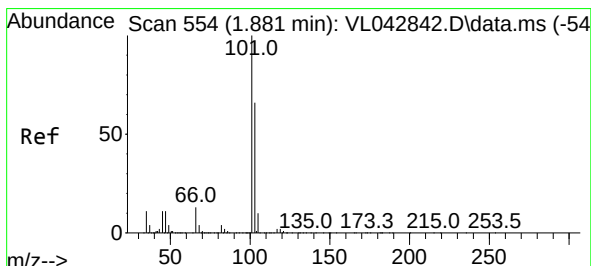
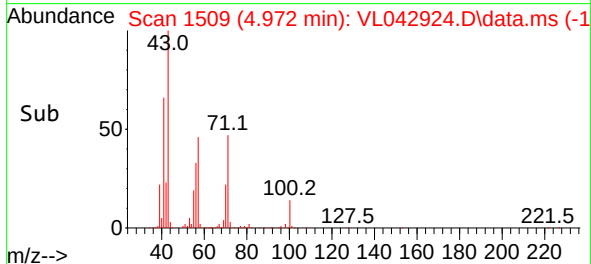
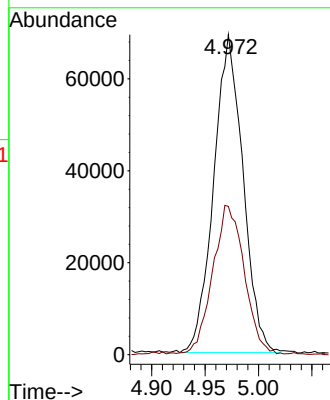
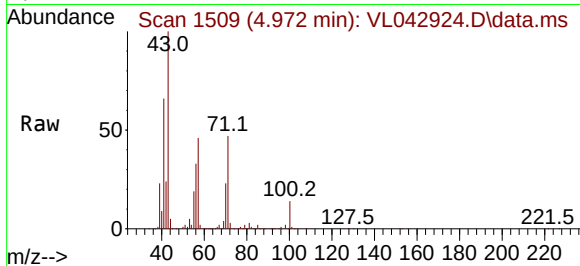




#10
Heptane
Concen: 4.840 ppbv
RT: 4.972 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

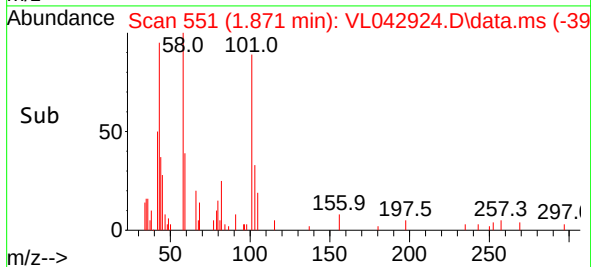
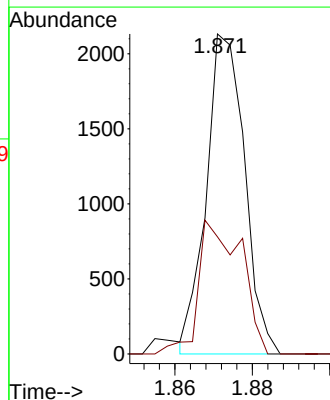
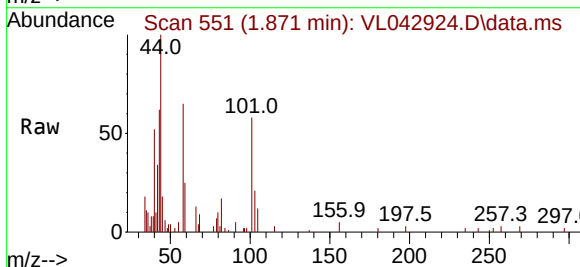
Instrument :
MSVOA_L
ClientSampleId :
SV2

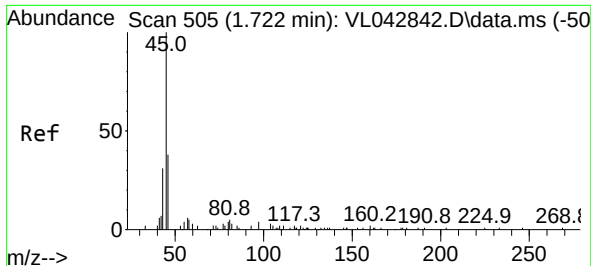
Tgt Ion: 43 Resp: 131938
Ion Ratio Lower Upper
43 100
57 51.9 41.4 62.0



#11
Trichlorofluoromethane
Concen: 0.070 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.000 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion:101 Resp: 1465
Ion Ratio Lower Upper
101 100
103 36.6 52.5 78.7#





#13

Ethanol

Concen: 256.588 ppbv

RT: 1.719 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

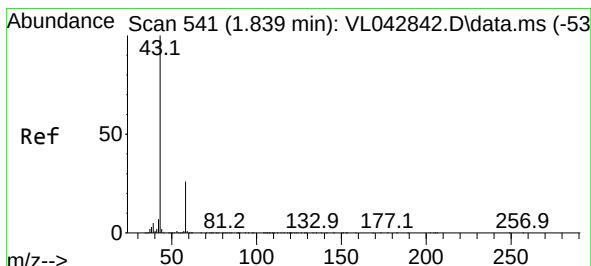
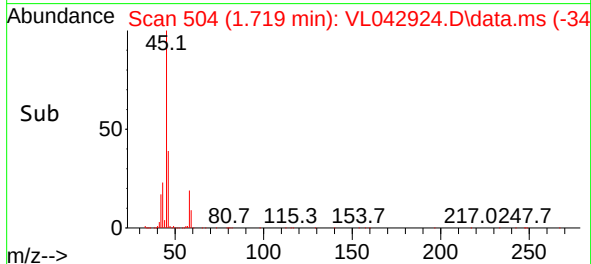
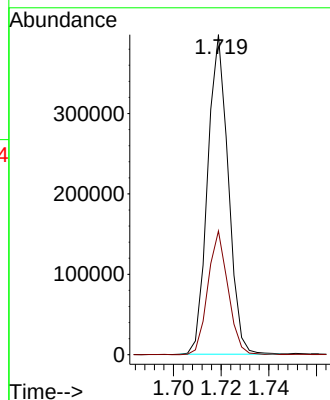
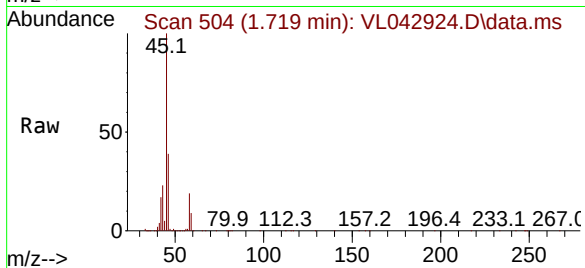
SV2

Tgt Ion: 45 Resp: 238775

Ion Ratio Lower Upper

45 100

46 38.2 17.5 69.9



#15

Acetone

Concen: 94.537 ppbv

RT: 1.832 min Scan# 539

Delta R.T. 0.003 min

Lab File: VL042924.D

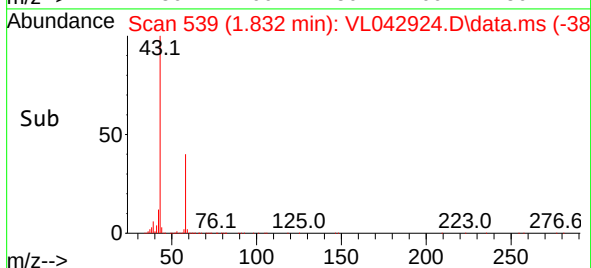
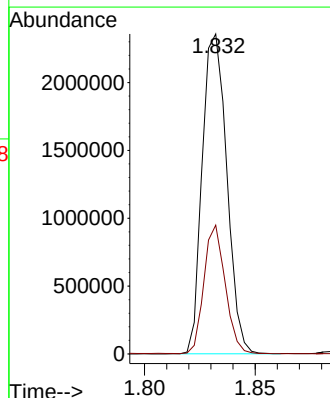
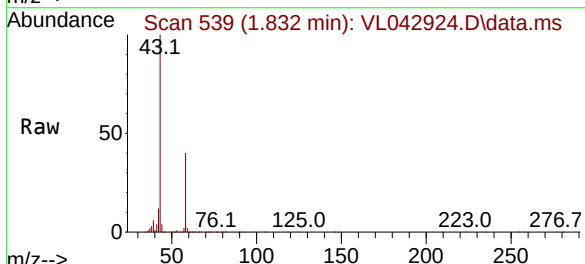
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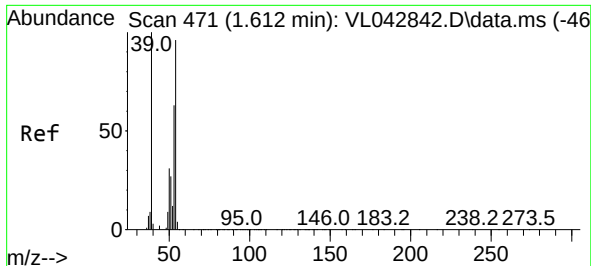
Tgt Ion: 43 Resp: 1819220

Ion Ratio Lower Upper

43 100

58 35.2 22.4 33.6#

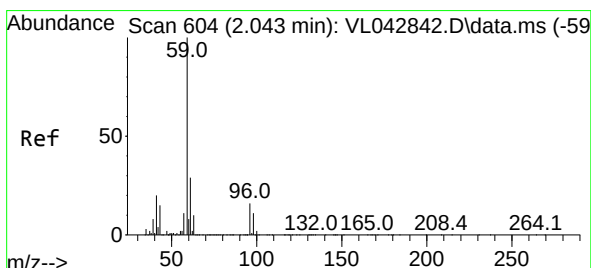
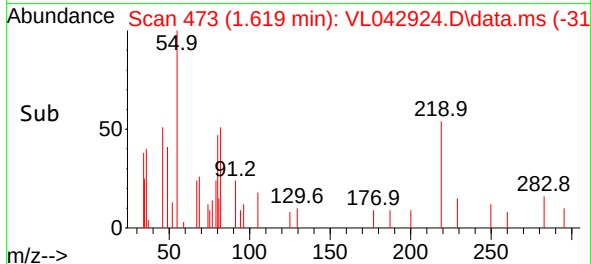
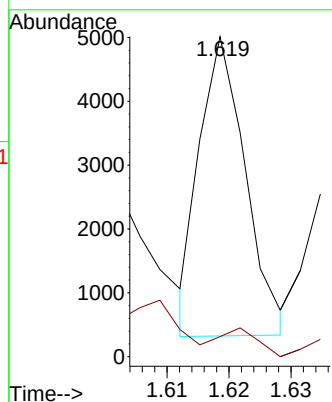
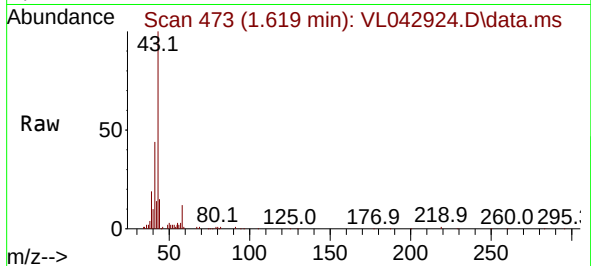




#16
1,3-Butadiene
Concen: 0.276 ppbv
RT: 1.619 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

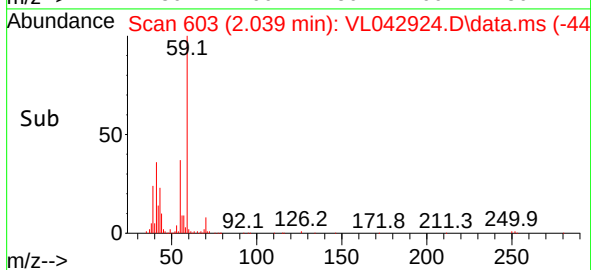
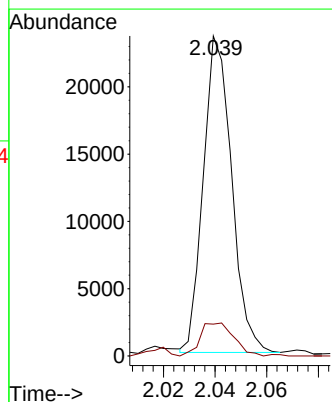
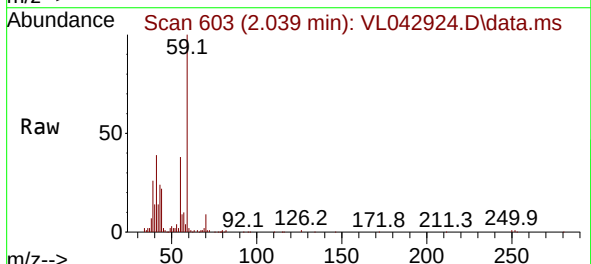
Instrument :
MSVOA_L
ClientSampleId :
SV2

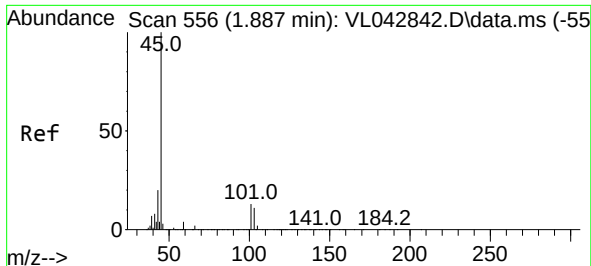
Tgt Ion: 39 Resp: 2410
Ion Ratio Lower Upper
39 100
54 34.2 63.6 95.4#



#17
tert-Butyl alcohol
Concen: 0.785 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 59 Resp: 17921
Ion Ratio Lower Upper
59 100
57 14.4 9.0 13.4#





#19

Isopropyl Alcohol

Concen: 4.249 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

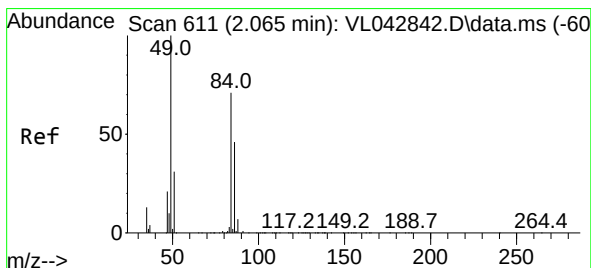
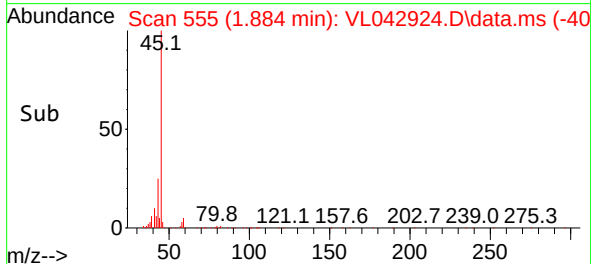
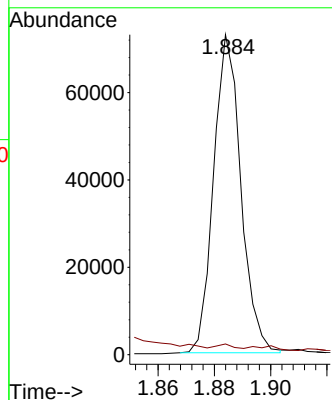
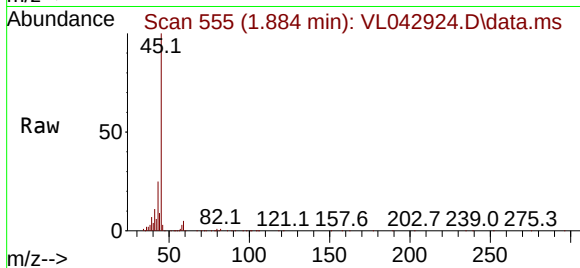
SV2

Tgt Ion: 45 Resp: 48842

Ion Ratio Lower Upper

45 100

58 0.0 32.7 49.1#



#20

Methylene Chloride

Concen: 1.527 ppbv

RT: 2.059 min Scan# 609

Delta R.T. 0.003 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Tgt Ion: 84 Resp: 12308

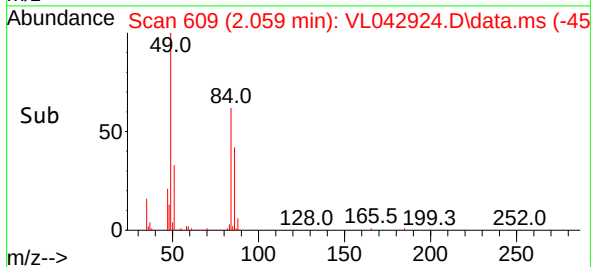
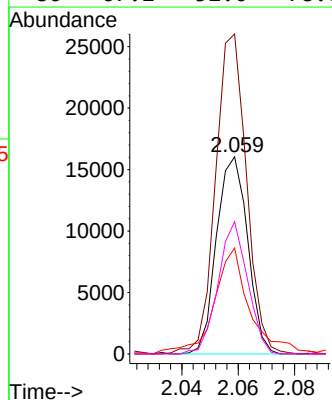
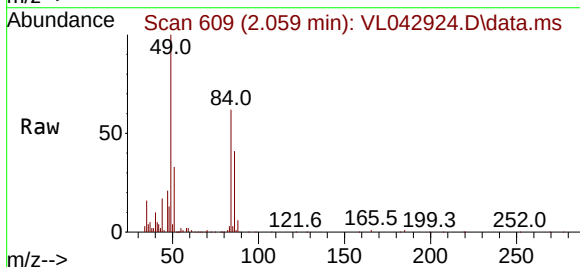
Ion Ratio Lower Upper

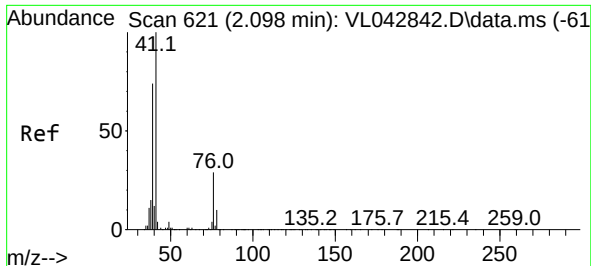
84 100

49 160.9 112.3 168.5

51 50.6 36.0 54.0

86 67.2 52.0 78.0

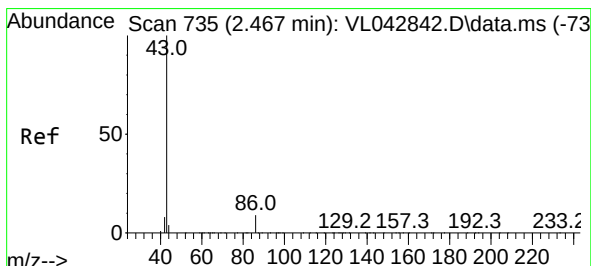
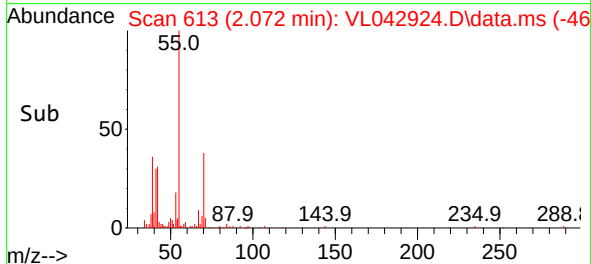
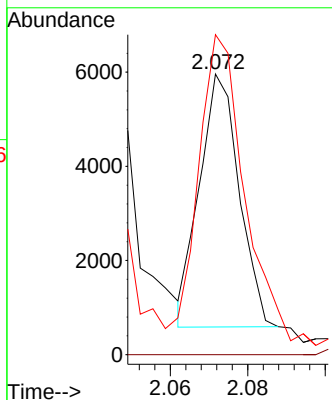
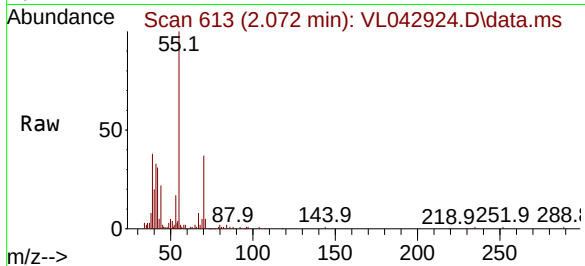




#21
Allyl Chloride
Concen: 0.281 ppbv
RT: 2.072 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

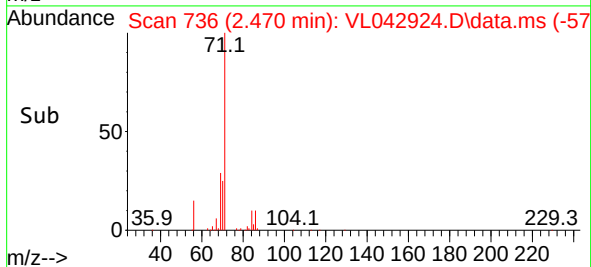
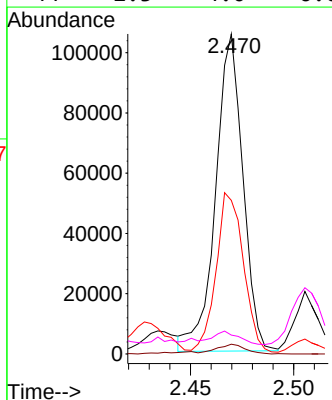
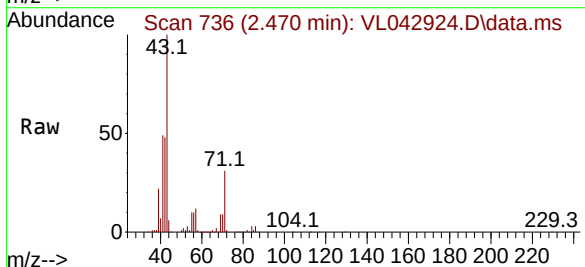
Instrument :
MSVOA_L
ClientSampleId :
SV2

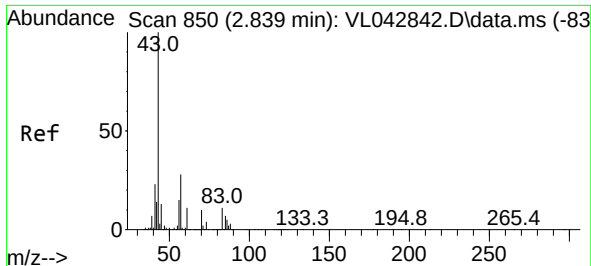
Tgt Ion: 41 Resp: 3821
Ion Ratio Lower Upper
41 100
76 416.0 23.9 35.9#
39 155.1 57.8 86.6#



#23
Vinyl Acetate
Concen: 3.653 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.016 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 43 Resp: 96668
Ion Ratio Lower Upper
43 100
86 3.0 6.6 9.8#
42 48.2 7.0 10.6#
44 2.3 4.0 6.0#

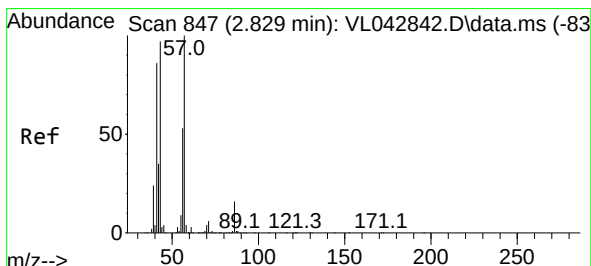
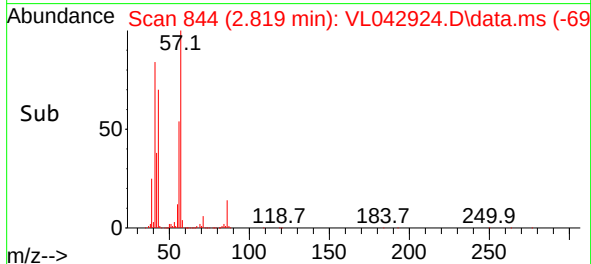
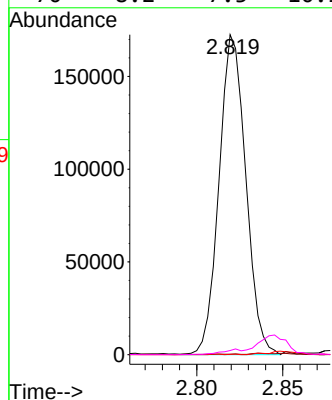
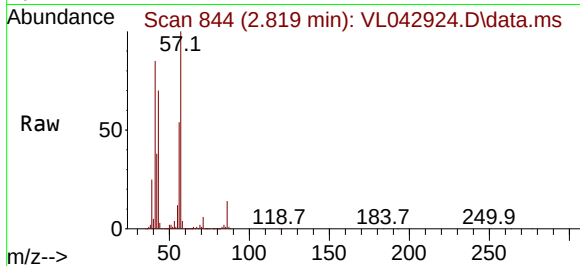




#25
Ethyl Acetate
Concen: 4.002 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

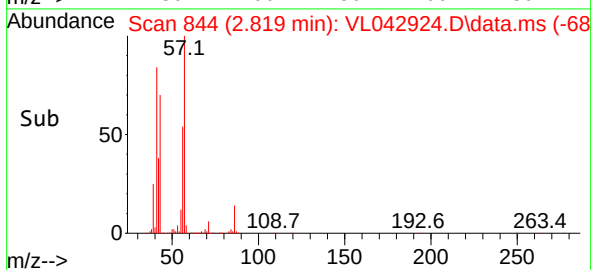
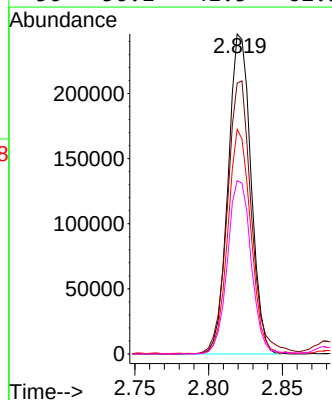
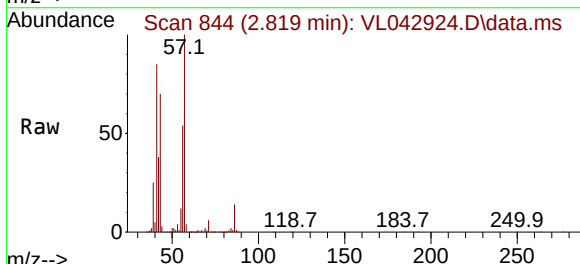
Instrument :
MSVOA_L
ClientSampleId :
SV2

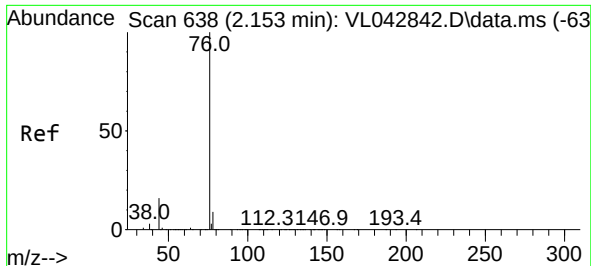
Tgt Ion: 43 Resp: 186368
Ion Ratio Lower Upper
43 100
45 0.9 8.1 12.1#
61 1.3 7.4 11.2#
70 8.2 7.3 10.9



#26
Hexane
Concen: 12.339 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 57 Resp: 265272
Ion Ratio Lower Upper
57 100
41 90.2 68.6 103.0
43 70.3 168.5 252.7#
56 56.1 41.5 62.3

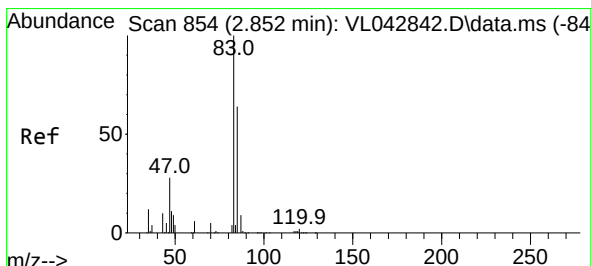
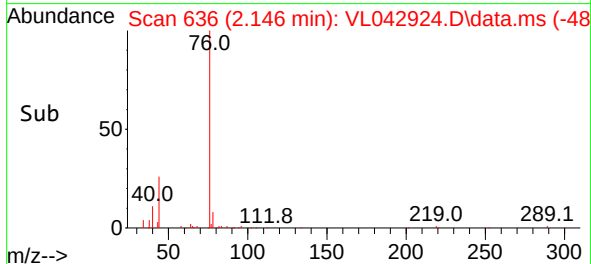
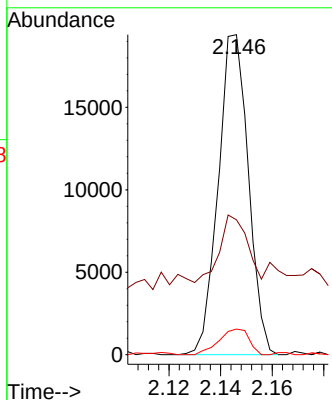
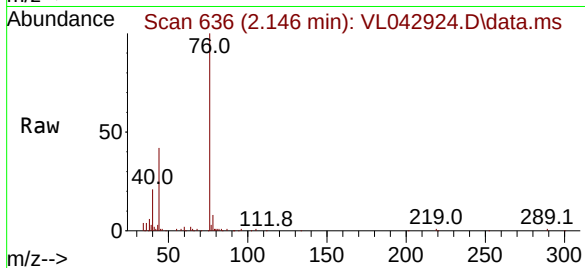




#27
Carbon Disulfide
Concen: 0.755 ppbv
RT: 2.146 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

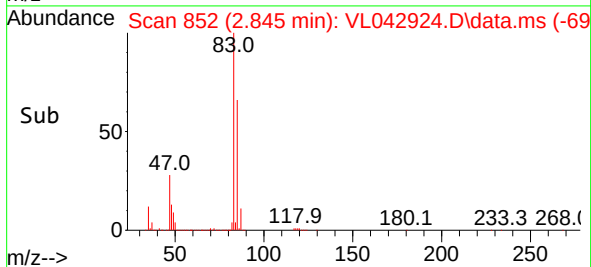
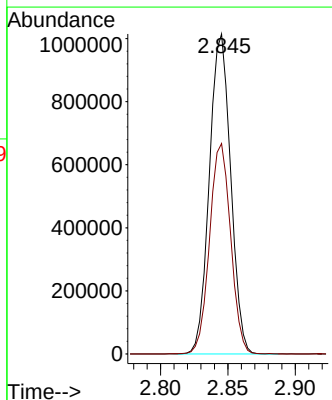
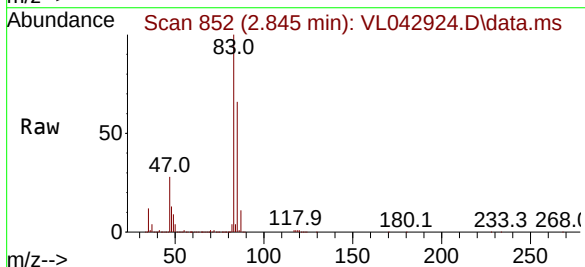
Instrument :
MSVOA_L
ClientSampleId :
SV2

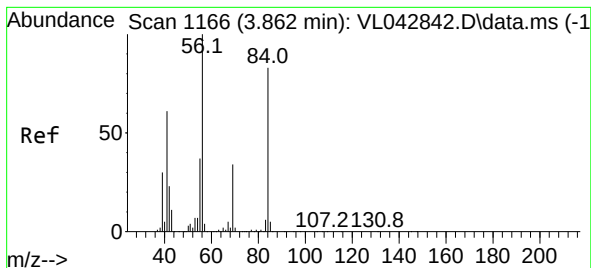
Tgt Ion: 76 Resp: 15790
Ion Ratio Lower Upper
76 100
44 36.8 15.9 23.9#
78 9.2 9.5 14.3#



#29
Chloroform
Concen: 36.292 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 83 Resp: 1113904
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7





#30

Cyclohexane

Concen: 0.075 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV2

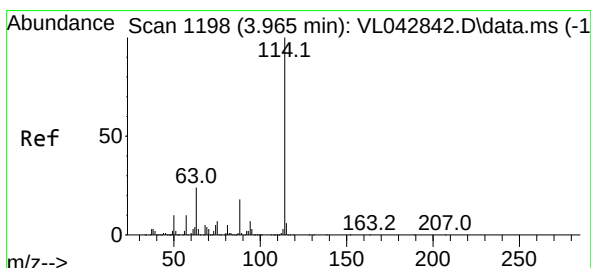
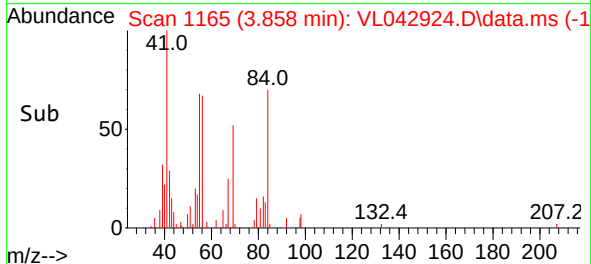
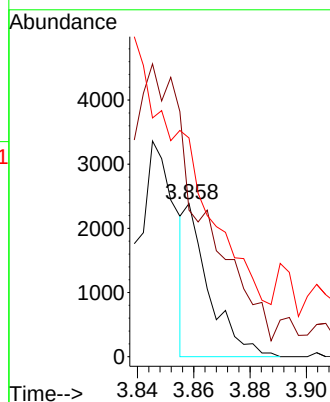
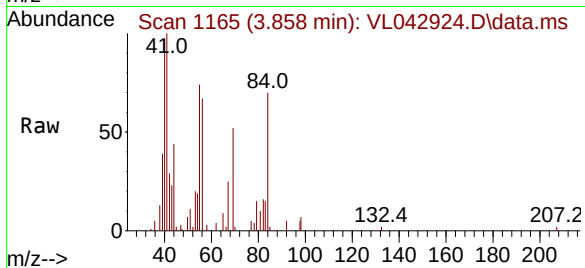
Tgt Ion: 84 Resp: 1423

Ion Ratio Lower Upper

84 100

56 0.0 98.8 148.2#

41 0.0 61.3 91.9#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.010 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

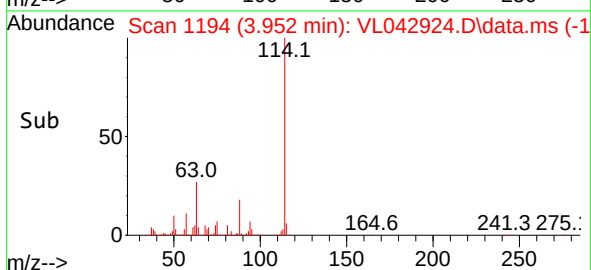
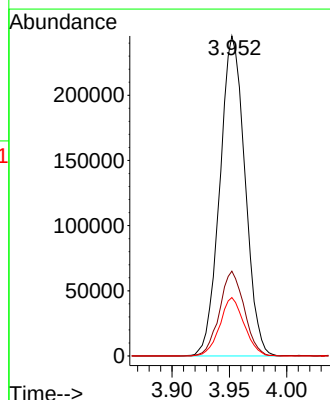
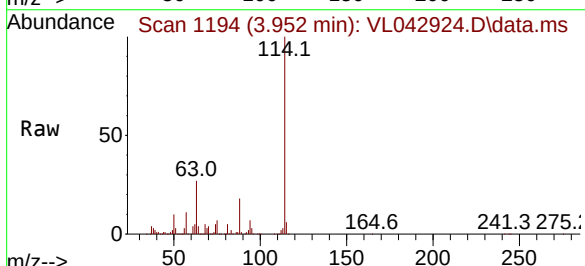
Tgt Ion: 114 Resp: 373895

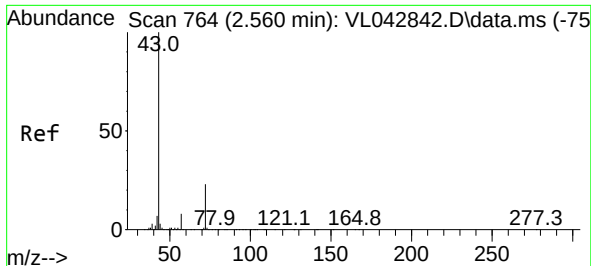
Ion Ratio Lower Upper

114 100

63 26.1 19.7 29.5

88 17.7 14.4 21.6

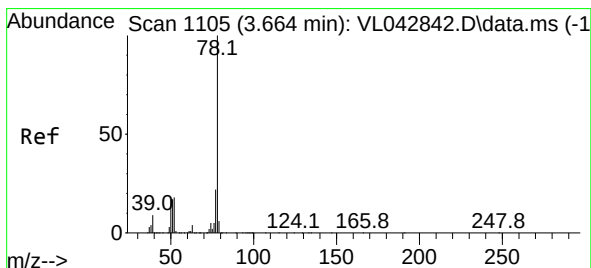
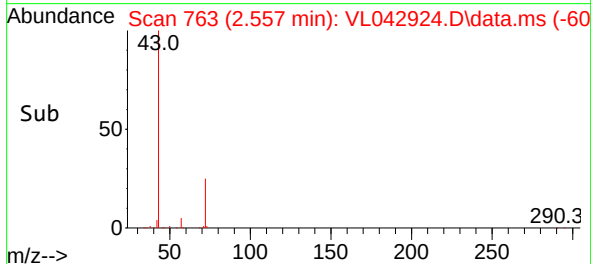
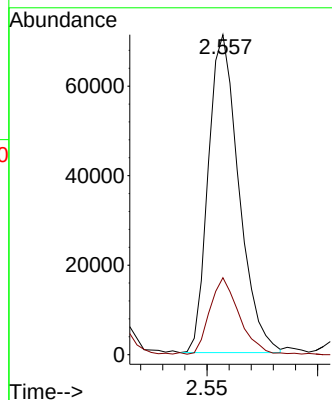
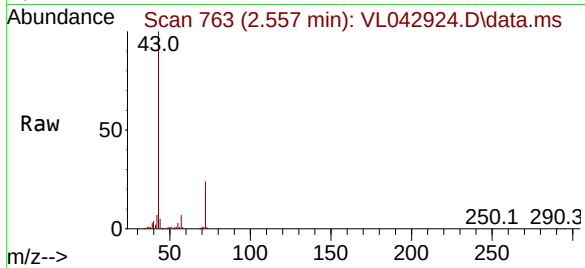




#34
2-Butanone
Concen: 2.705 ppbv
RT: 2.557 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

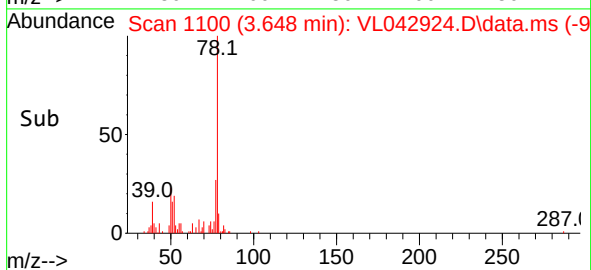
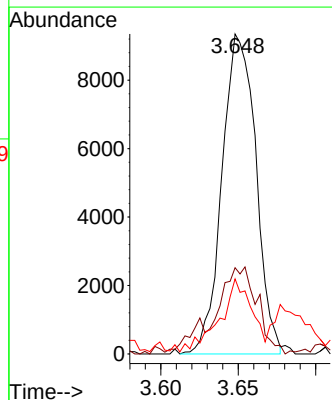
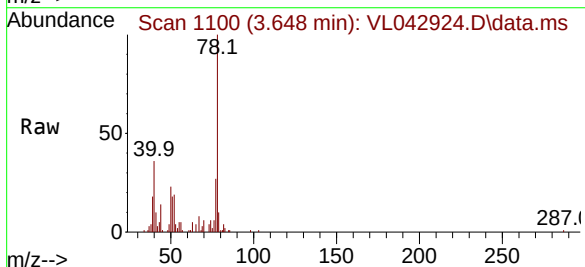
Instrument :
MSVOA_L
ClientSampleId :
SV2

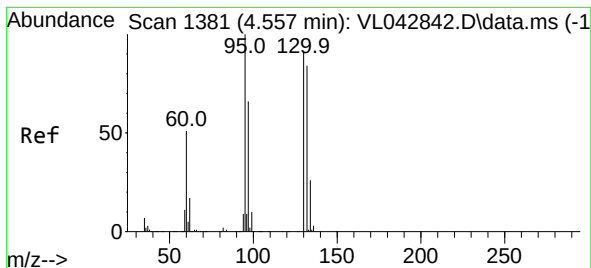
Tgt Ion: 43 Resp: 68301
Ion Ratio Lower Upper
43 100
72 23.9 18.6 28.0



#36
Benzene
Concen: 0.396 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 78 Resp: 14190
Ion Ratio Lower Upper
78 100
77 24.2 17.7 26.5
50 22.8 13.9 20.9#





#38

Trichloroethene

Concen: 0.173 ppbv

RT: 4.541 min Scan# 1194

Delta R.T. 0.010 min

Lab File: VL042924.D

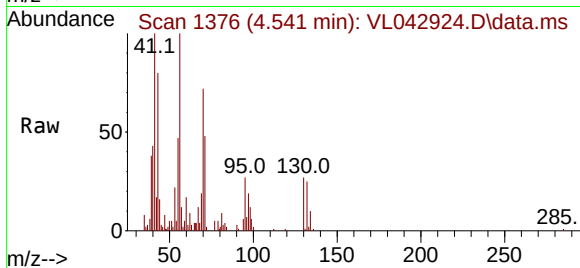
Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion:130 Resp: 2821

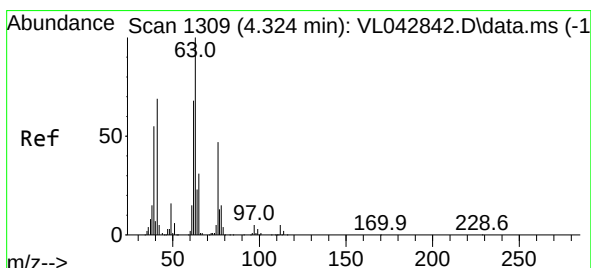
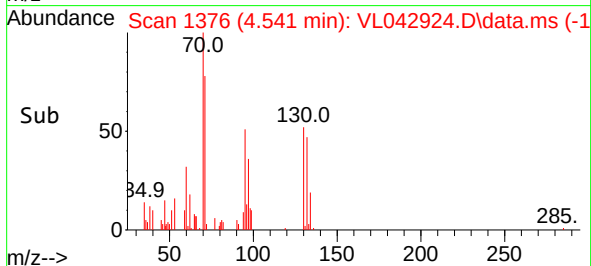
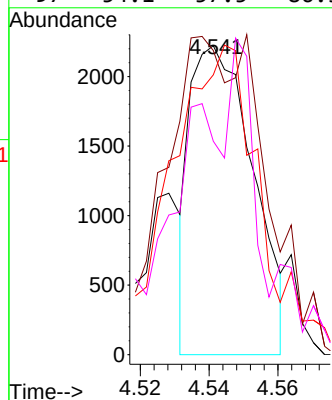
Ion Ratio Lower Upper

130 100

95 88.5 87.6 131.4

132 99.9 73.8 110.8

97 54.1 57.5 86.3#



#39

1,2-Dichloropropane

Concen: 7.466 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.346 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

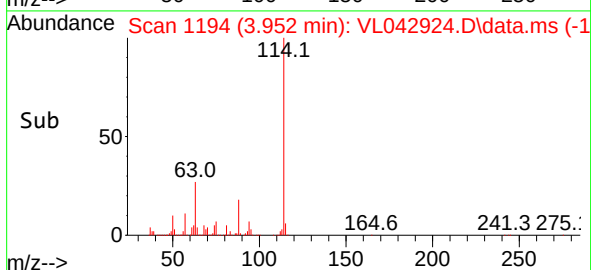
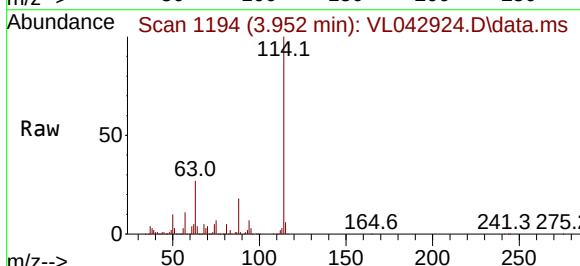
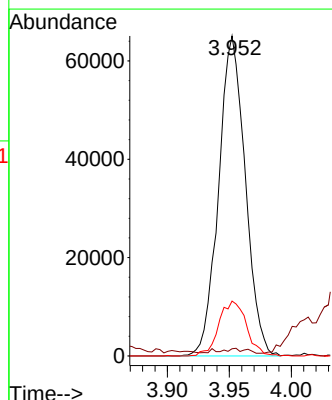
Tgt Ion: 63 Resp: 97632

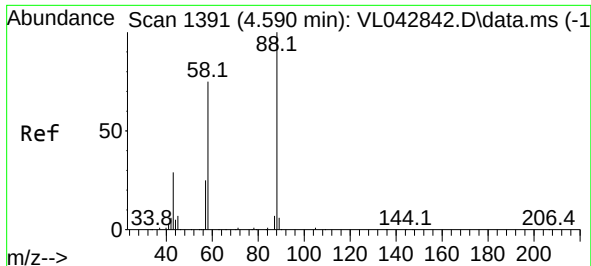
Ion Ratio Lower Upper

63 100

41 0.9 55.0 82.4#

62 17.2 54.4 81.6#





#40

1,4-Dioxane

Concen: 0.505 ppbv

RT: 4.596 min Scan# 1

Delta R.T. 0.035 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 88 Resp: 3138

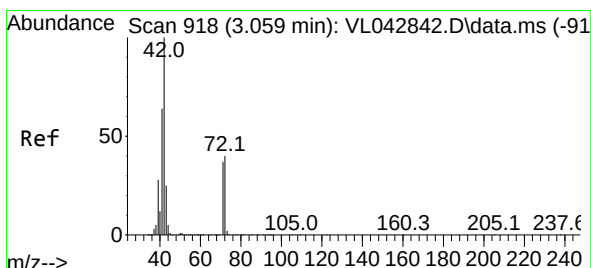
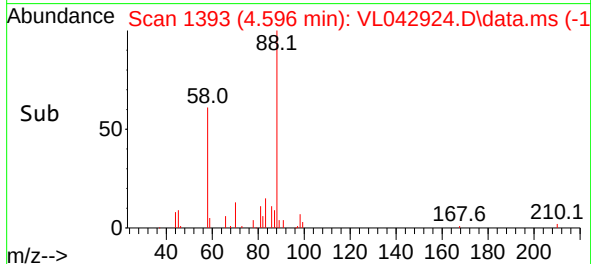
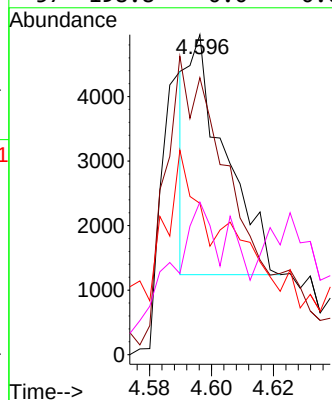
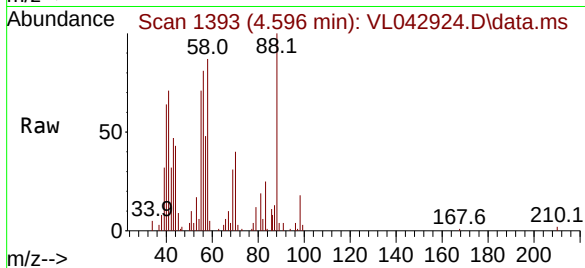
Ion Ratio Lower Upper

88 100

58 285.5 53.8 80.6#

43 202.7 22.8 34.2#

57 198.8 0.0 0.0#



#41

Tetrahydrofuran

Concen: 0.375 ppbv

RT: 3.062 min Scan# 919

Delta R.T. 0.019 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

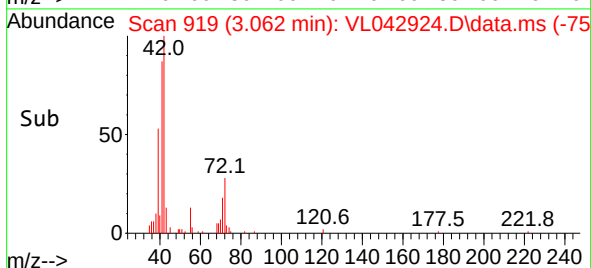
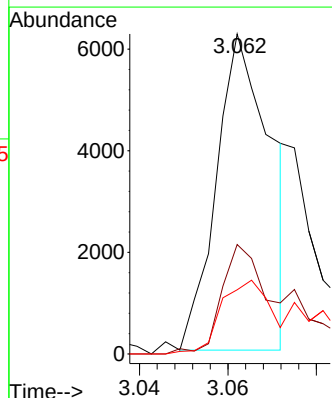
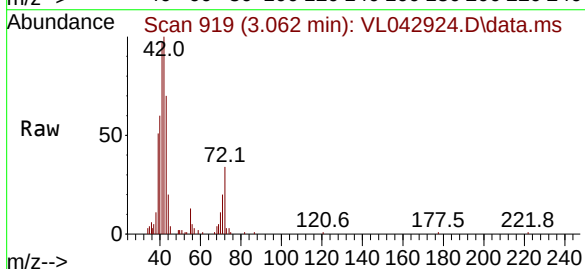
Tgt Ion: 42 Resp: 5283

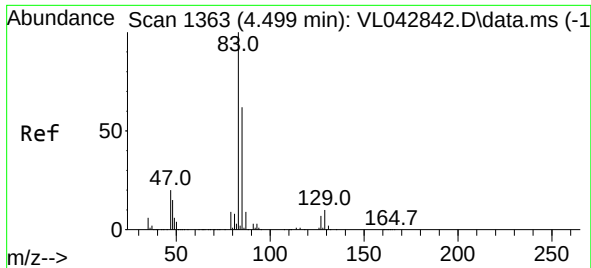
Ion Ratio Lower Upper

42 100

72 46.0 32.6 48.8

71 36.6 30.0 45.0

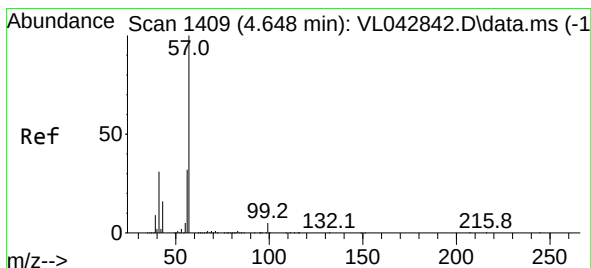
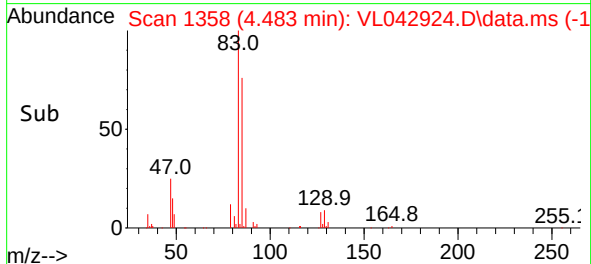
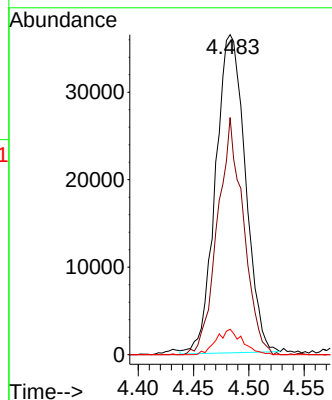
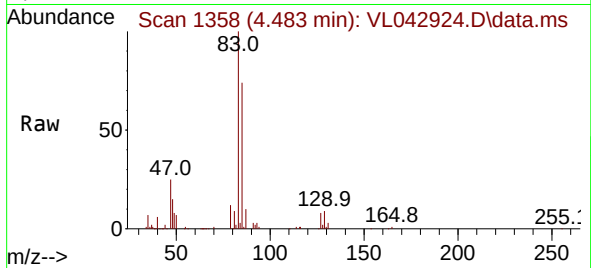




#42
 Bromodichloromethane
 Concen: 2.446 ppbv
 RT: 4.483 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

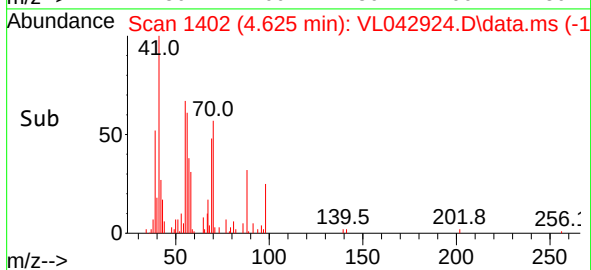
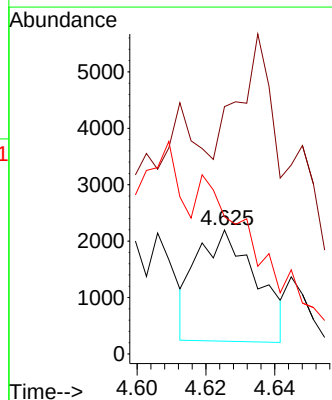
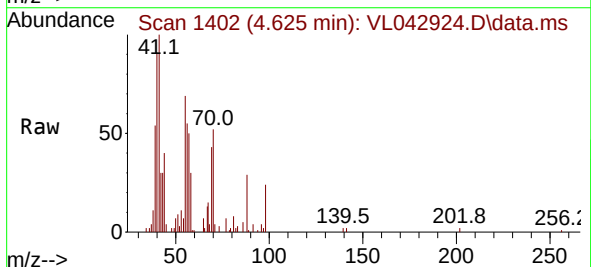
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

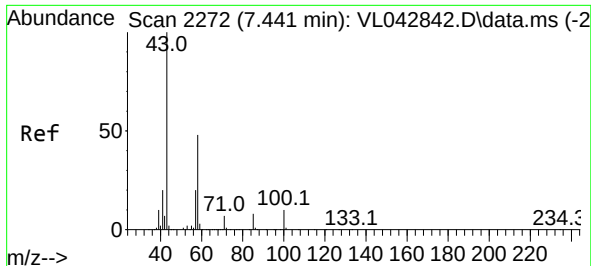
Tgt Ion: 83 Resp: 68189
 Ion Ratio Lower Upper
 83 100
 85 74.8 49.8 74.8#
 127 8.0 5.8 8.6



#44
 2,2,4-Trimethylpentane
 Concen: 0.039 ppbv
 RT: 4.625 min Scan# 1402
 Delta R.T. 0.003 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

Tgt Ion: 57 Resp: 2373
 Ion Ratio Lower Upper
 57 100
 41 567.4 24.8 37.2#
 56 0.0 25.5 38.3#

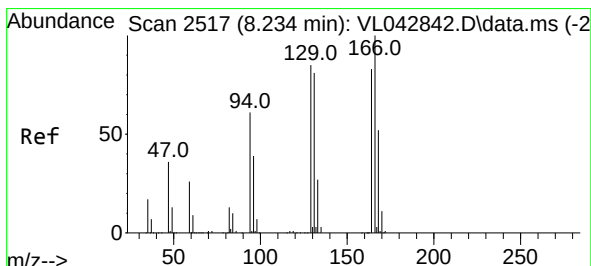
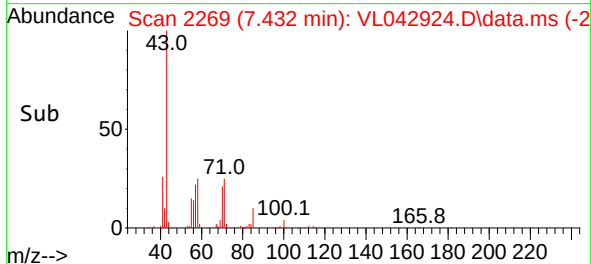
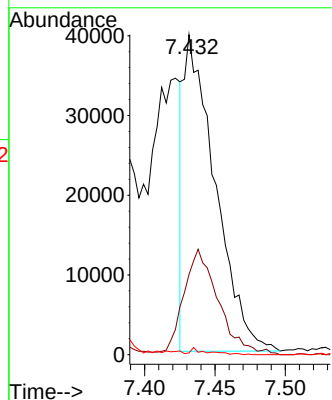
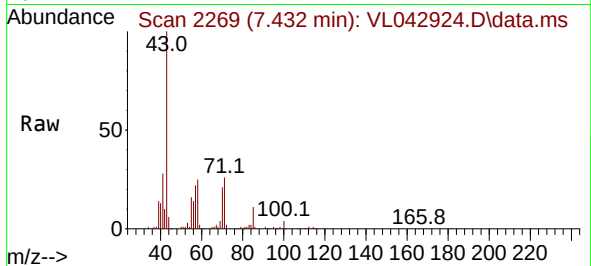




#51
2-Hexanone
Concen: 2.285 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

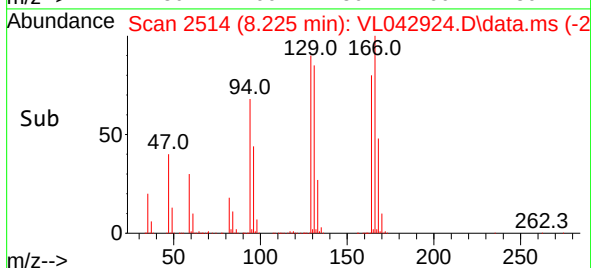
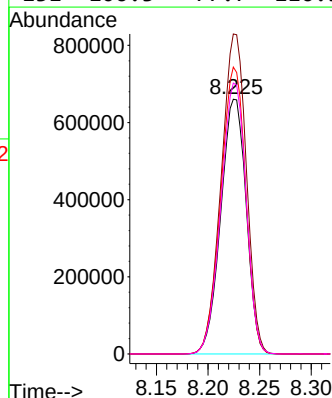
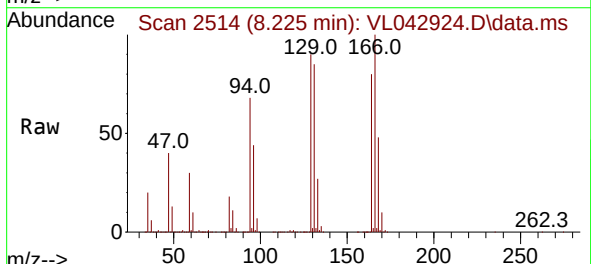
Instrument :
MSVOA_L
ClientSampleId :
SV2

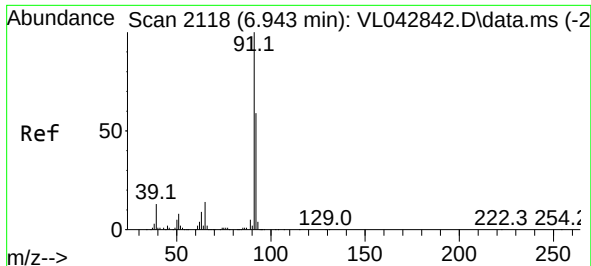
Tgt Ion: 43 Resp: 61368
Ion Ratio Lower Upper
43 100
58 37.3 41.0 61.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 87.140 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.013 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 164 Resp: 1128682
Ion Ratio Lower Upper
164 100
166 125.6 96.5 144.7
129 112.6 81.8 122.6
131 106.3 77.7 116.5

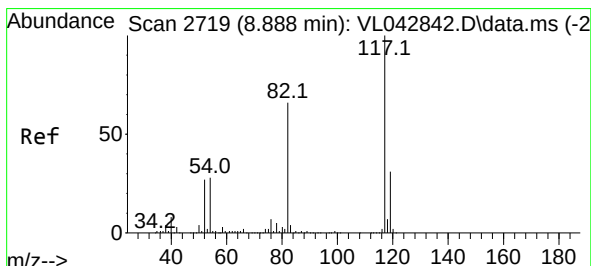
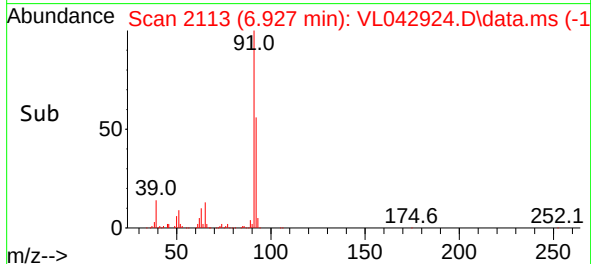
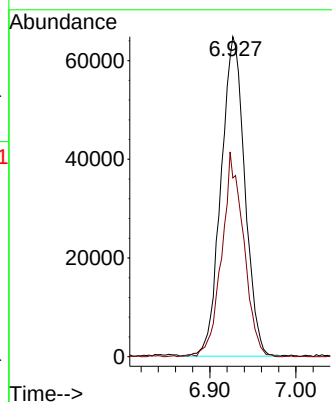
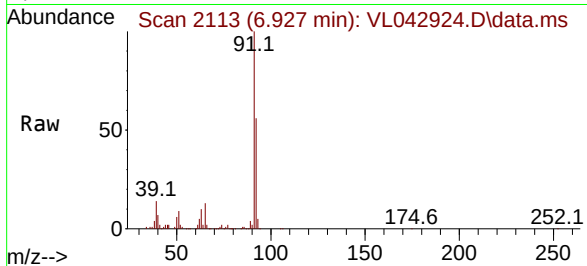




#53
Toluene
Concen: 2.924 ppbv
RT: 6.927 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

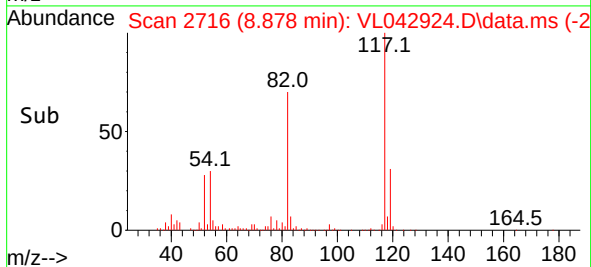
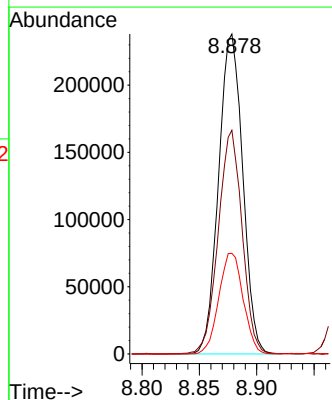
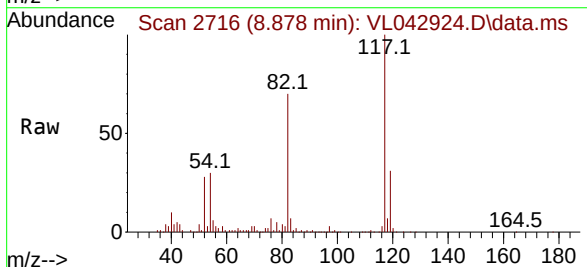
Instrument :
MSVOA_L
ClientSampleId :
SV2

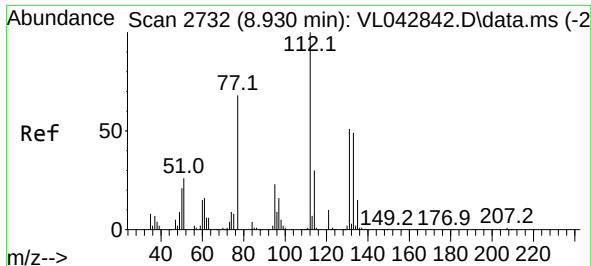
Tgt Ion: 91 Resp: 124472
Ion Ratio Lower Upper
91 100
92 59.2 47.8 71.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.010 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 117 Resp: 348255
Ion Ratio Lower Upper
117 100
82 69.2 54.6 81.8
119 31.8 25.9 38.9

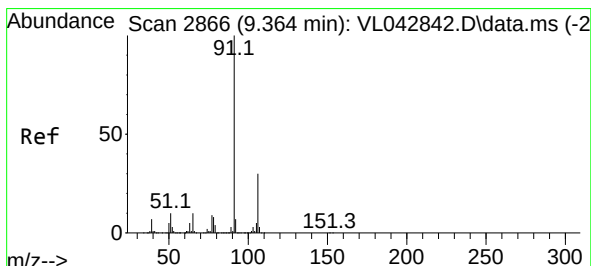
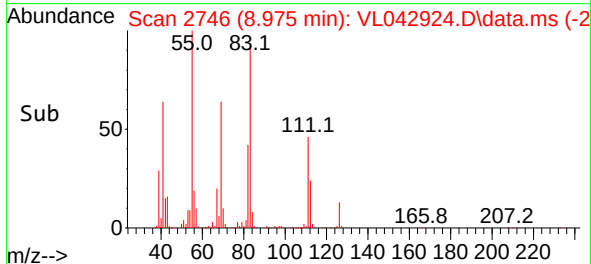
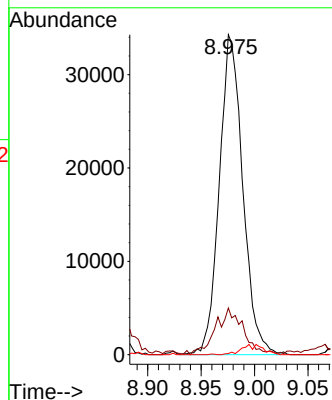
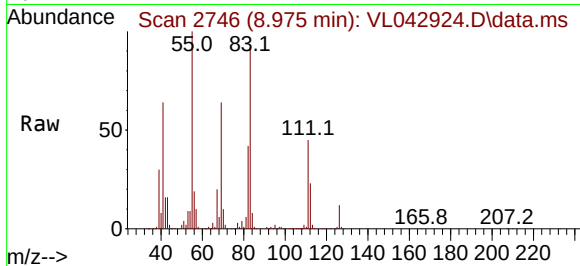




#57
Chlorobenzene
Concen: 1.581 ppbv
RT: 8.975 min Scan# 21
Delta R.T. 0.065 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

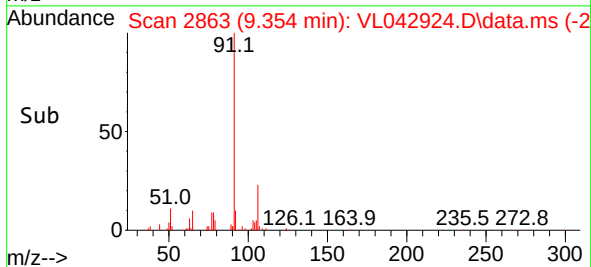
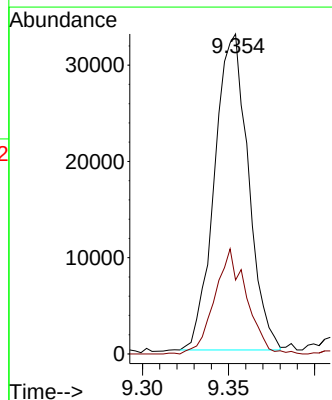
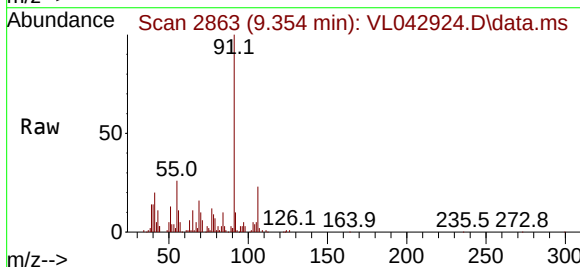
Instrument :
MSVOA_L
ClientSampleId :
SV2

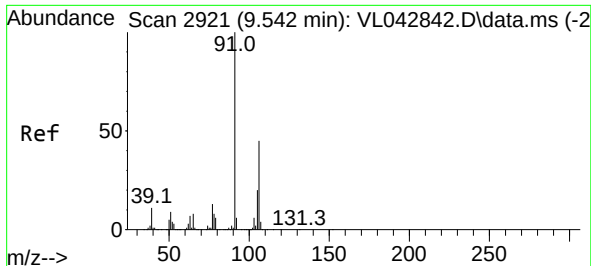
Tgt Ion:112 Resp: 52365
Ion Ratio Lower Upper
112 100
77 14.3 55.5 83.3#
114 0.3 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.731 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.010 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 91 Resp: 44896
Ion Ratio Lower Upper
91 100
106 23.4 23.9 35.9#





#59

m/p-Xylene

Concen: 2.148 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.010 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

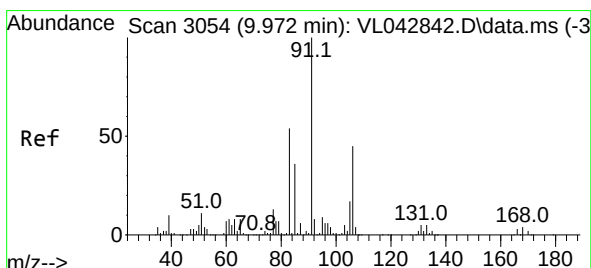
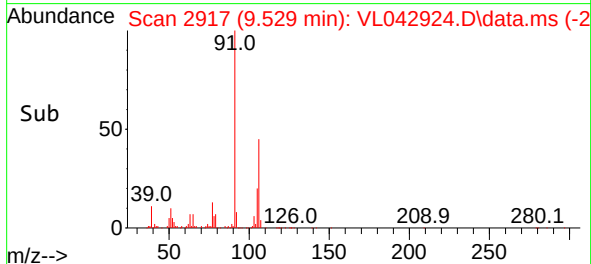
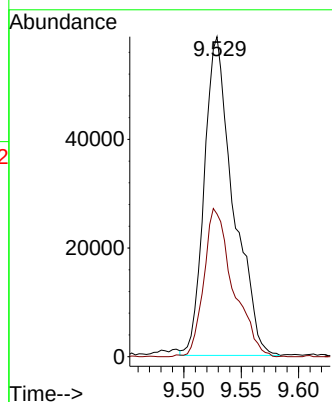
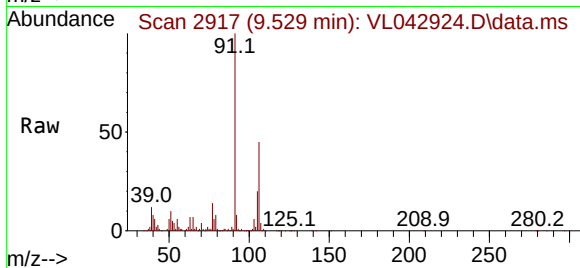
SV2

Tgt Ion: 91 Resp: 103451

Ion Ratio Lower Upper

91 100

106 46.8 0.0 0.0#



#60

o-Xylene

Concen: 1.026 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL042924.D

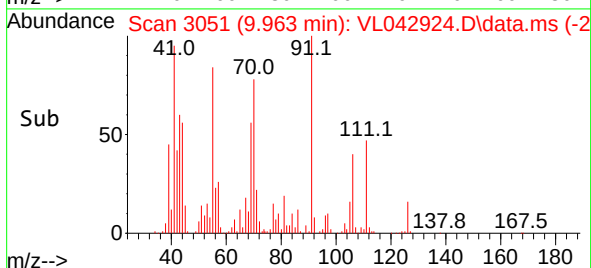
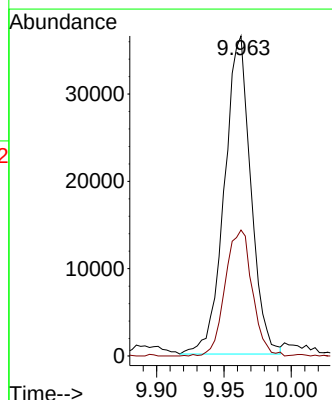
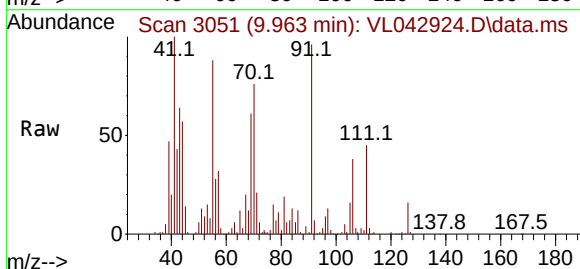
Acq: 10 Sep 2025 12:05

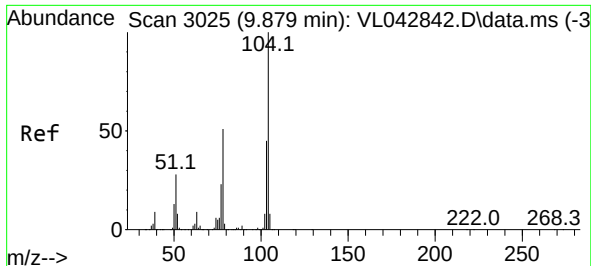
Tgt Ion: 91 Resp: 49722

Ion Ratio Lower Upper

91 100

106 40.8 21.8 65.4

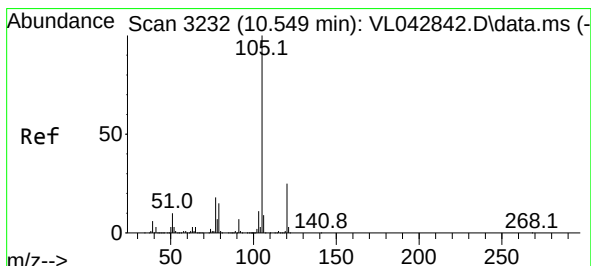
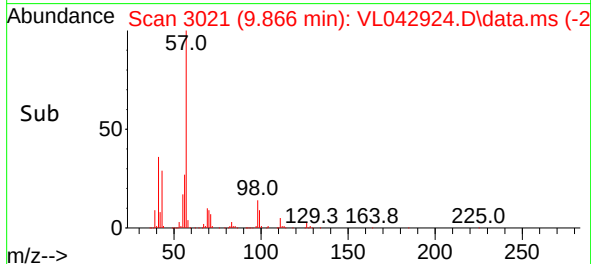
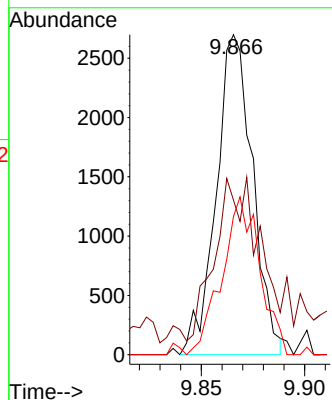
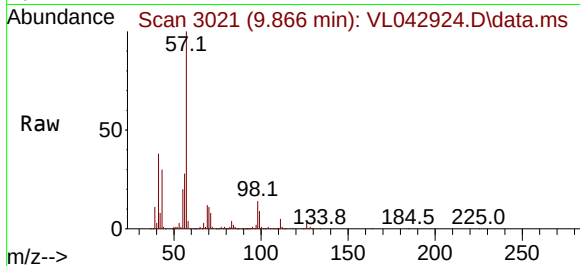




#61
Styrene
Concen: 0.146 ppbv
RT: 9.866 min Scan# 3025
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

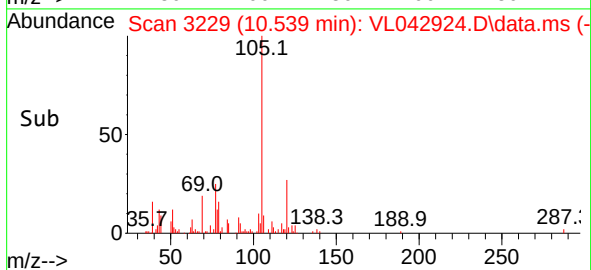
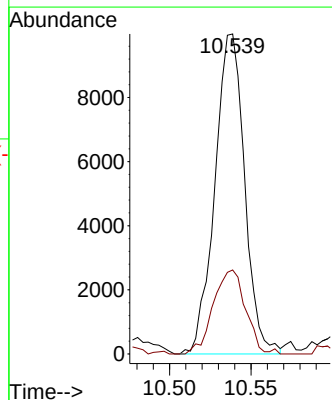
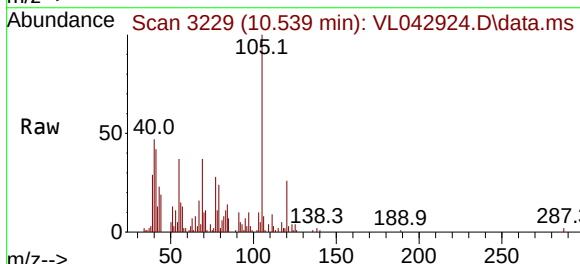
Instrument :
MSVOA_L
ClientSampleId :
SV2

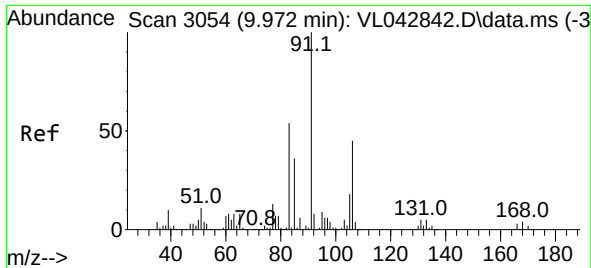
Tgt Ion:104 Resp: 3311
Ion Ratio Lower Upper
104 100
78 81.0 40.6 61.0#
103 52.6 37.7 56.5



#62
Isopropylbenzene
Concen: 0.179 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.010 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion:105 Resp: 12682
Ion Ratio Lower Upper
105 100
120 28.8 20.6 30.8

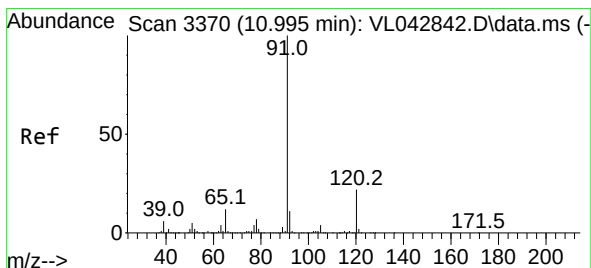
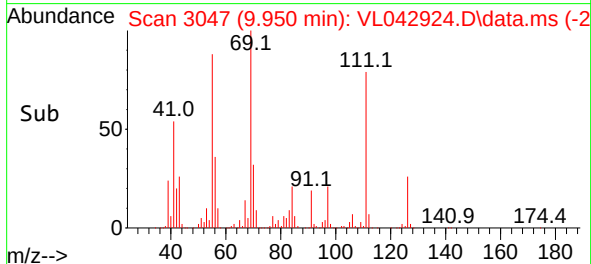
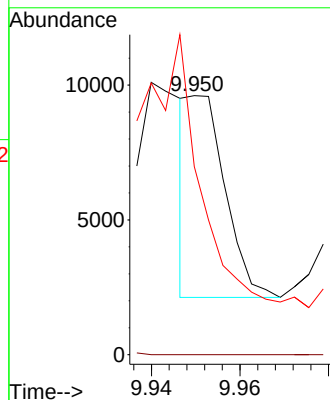
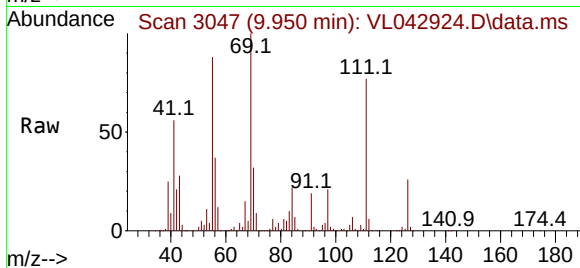




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.161 ppbv
 RT: 9.950 min Scan# 3054
 Delta R.T. -0.003 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

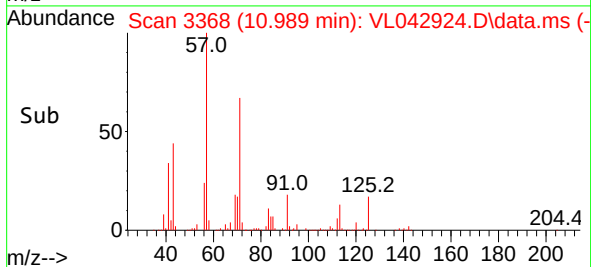
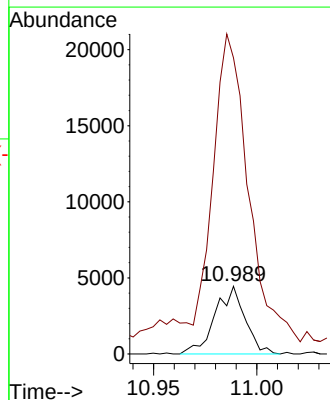
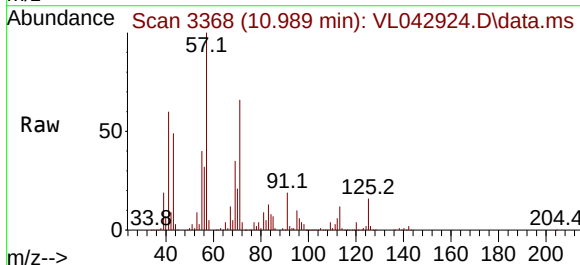
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

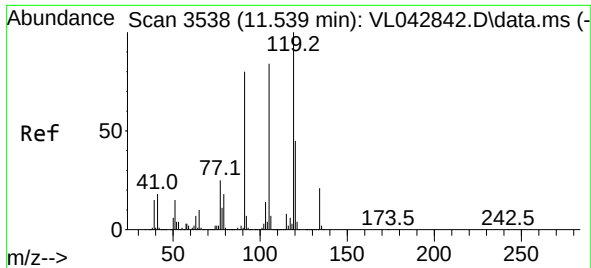
Tgt Ion: 83 Resp: 4303
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.3#
 85 335.8 32.3 96.8#



#64
 n-propylbenzene
 Concen: 0.249 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. 0.010 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

Tgt Ion: 120 Resp: 4490
 Ion Ratio Lower Upper
 120 100
 91 679.3 375.8 563.6#

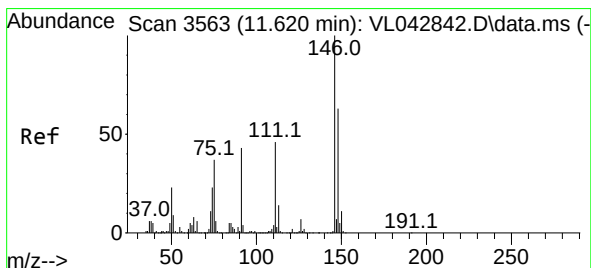
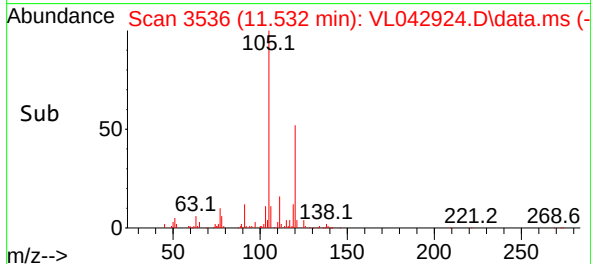
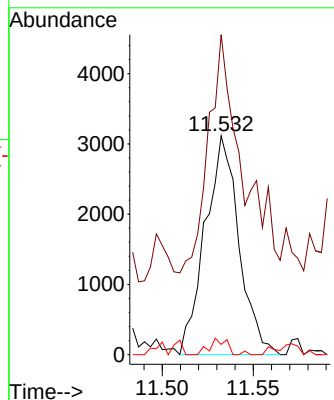
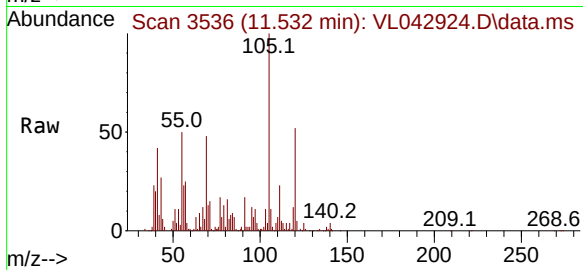




#65
tert-Butylbenzene
Concen: 0.064 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.010 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

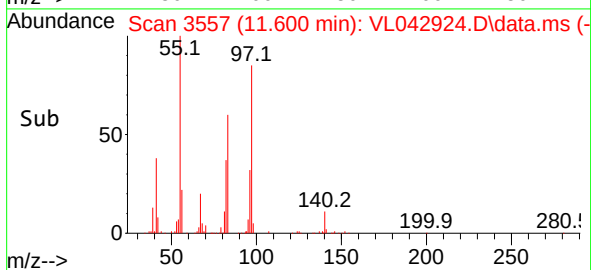
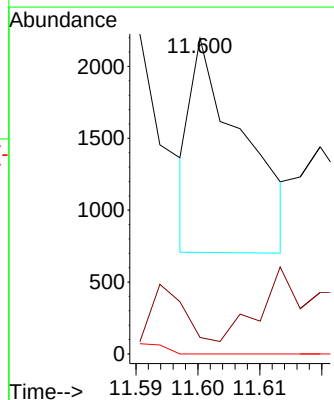
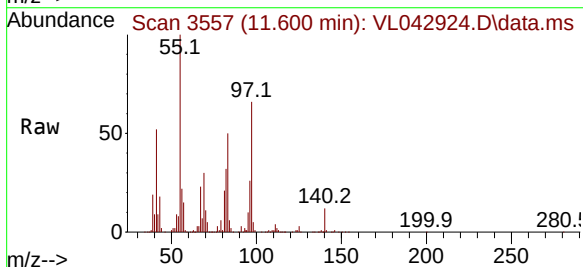
Instrument :
MSVOA_L
ClientSampleId :
SV2

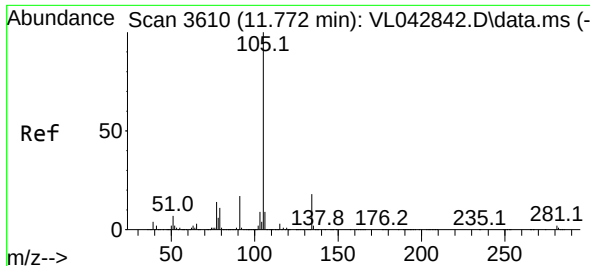
Tgt Ion:119 Resp: 4019
Ion Ratio Lower Upper
119 100
91 219.6 63.9 95.9#
134 3.9 17.0 25.4#



#66
Benzyl Chloride
Concen: 0.109 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.007 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion: 91 Resp: 863
Ion Ratio Lower Upper
91 100
126 100.1 14.2 21.4#
128 0.0 5.0 7.6#

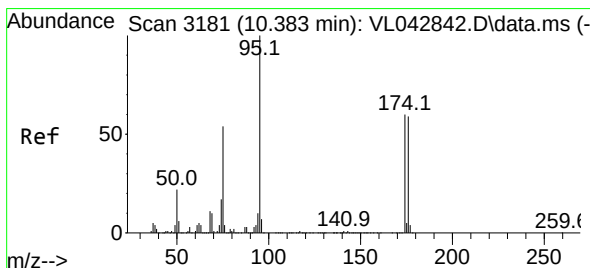
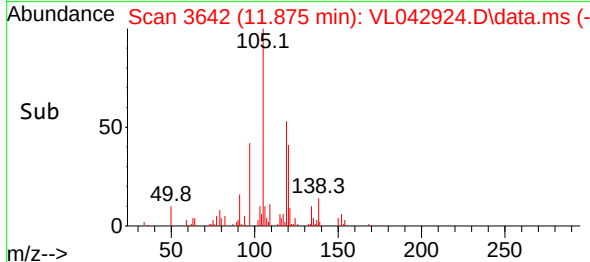
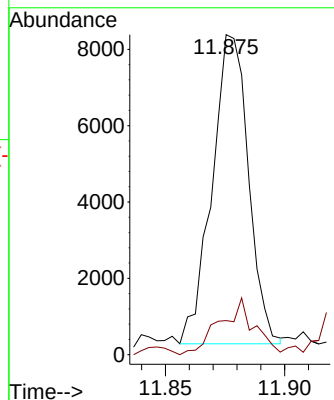
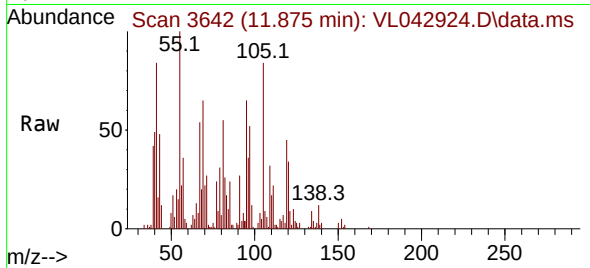




#67
 sec-Butylbenzene
 Concen: 0.098 ppbv
 RT: 11.875 min Scan# 3178
 Delta R.T. 0.116 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

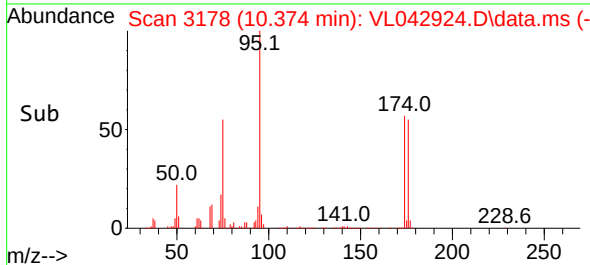
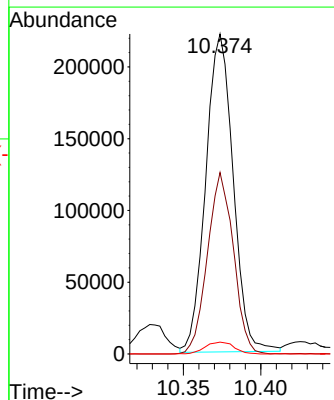
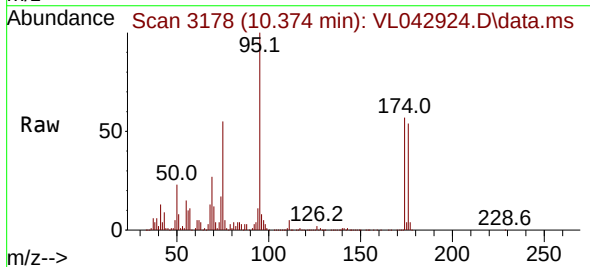
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

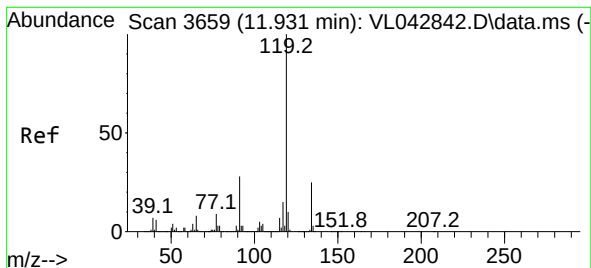
Tgt Ion:105 Resp: 8608
 Ion Ratio Lower Upper
 105 100
 134 20.0 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.446 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.010 min
 Lab File: VL042924.D
 Acq: 10 Sep 2025 12:05

Tgt Ion: 95 Resp: 272828
 Ion Ratio Lower Upper
 95 100
 174 54.0 48.4 72.6
 175 4.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.073 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.006 min

Lab File: VL042924.D

Acq: 10 Sep 2025 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV2

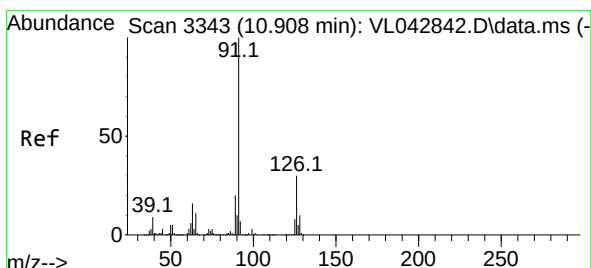
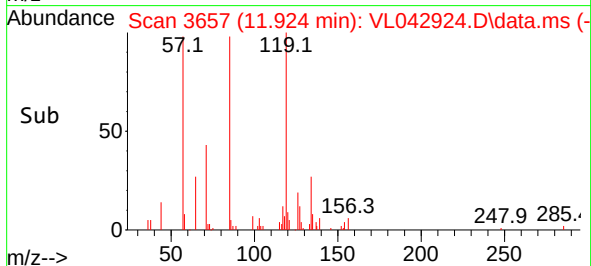
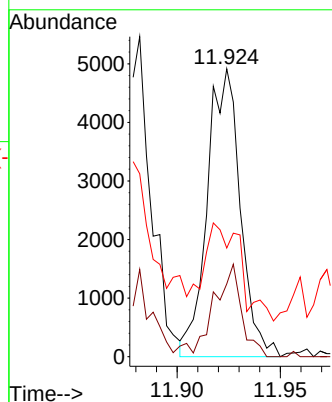
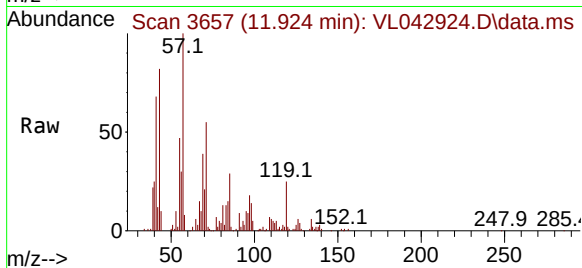
Tgt Ion:119 Resp: 5463

Ion Ratio Lower Upper

119 100

134 26.1 20.6 30.8

91 30.5 22.6 34.0



#71

2-Chlorotoluene

Concen: 0.435 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. 0.094 min

Lab File: VL042924.D

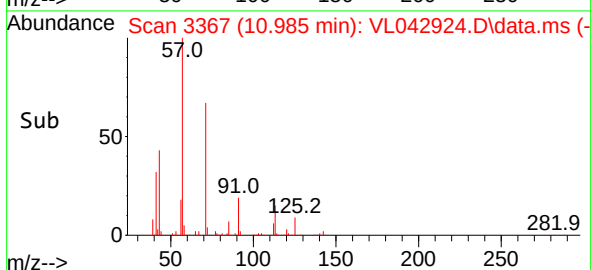
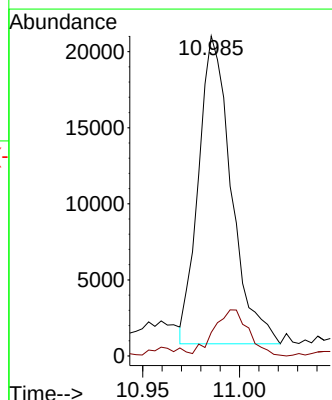
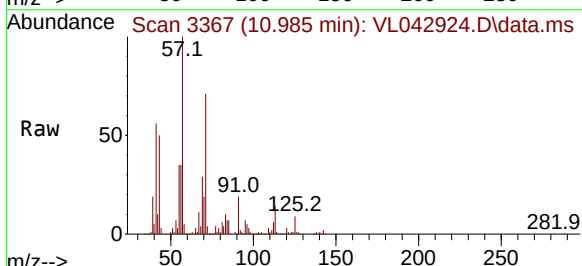
Acq: 10 Sep 2025 12:05

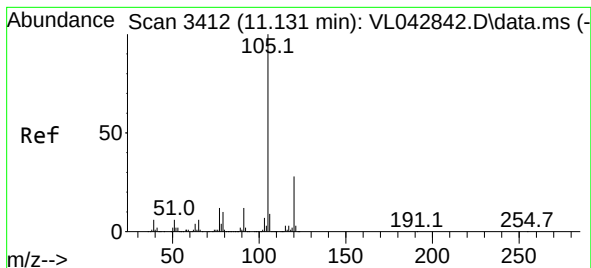
Tgt Ion: 91 Resp: 23895

Ion Ratio Lower Upper

91 100

126 18.5 12.0 47.8

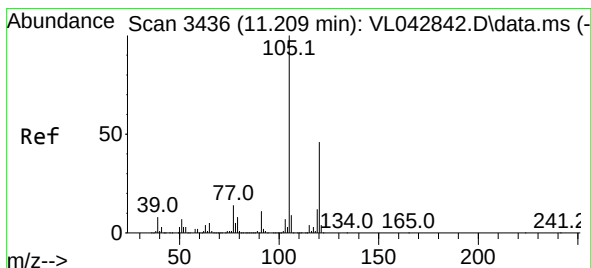
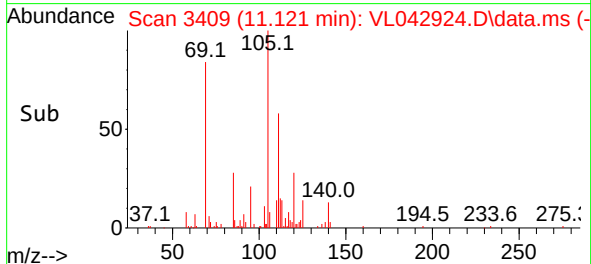
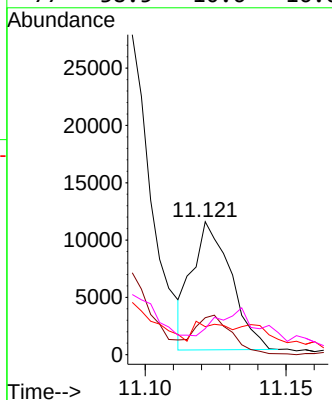
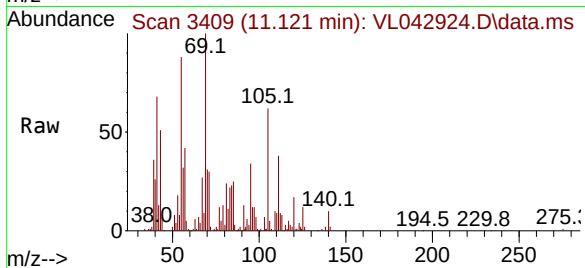




#72
4-Ethyltoluene
Concen: 0.183 ppbv
RT: 11.121 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

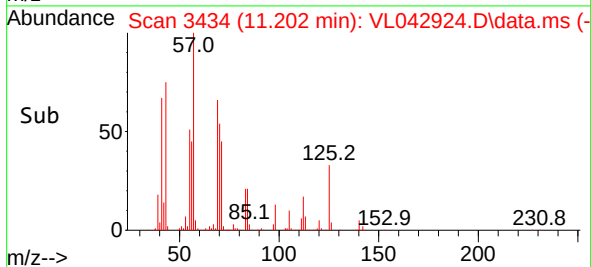
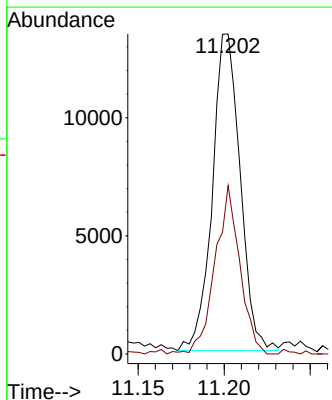
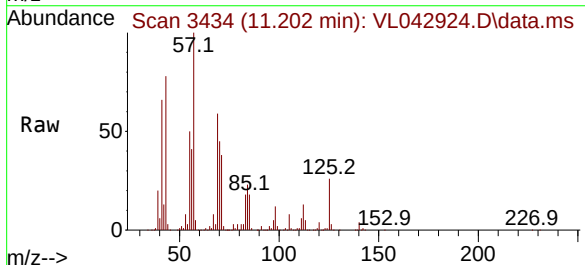
Instrument :
MSVOA_L
ClientSampleId :
SV2

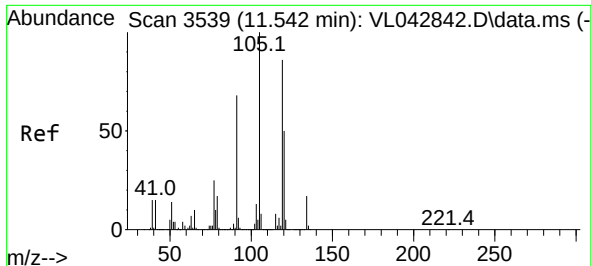
Tgt Ion:	105	Resp:	10749
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.2#
91	35.2	9.8	14.6#
77	38.5	10.6	16.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.302 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion:	105	Resp:	15100
Ion	Ratio	Lower	Upper
105	100		
120	53.1	36.6	54.8

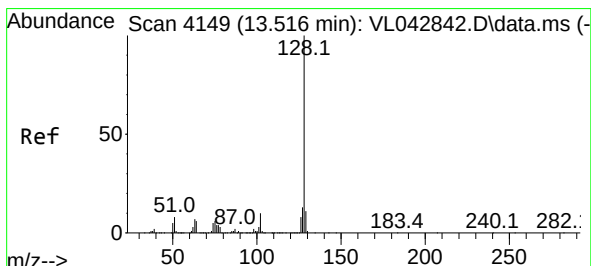
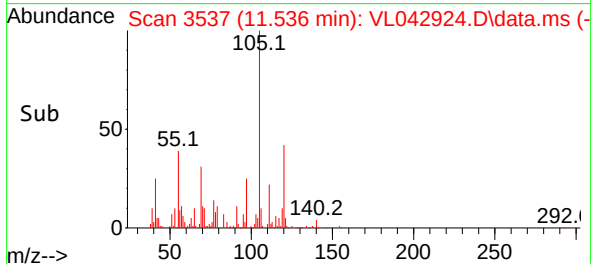
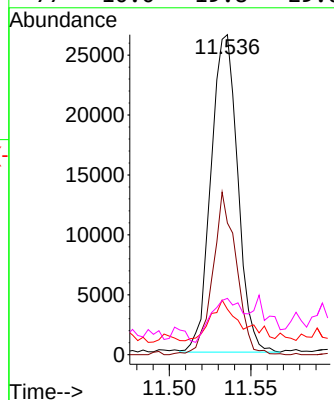
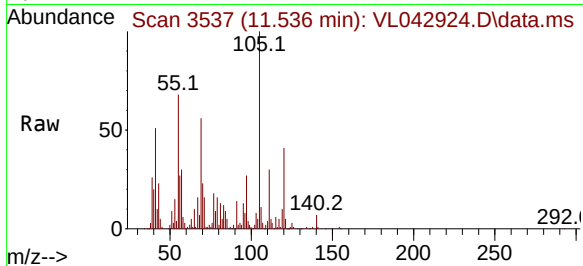




#74
1,2,4-Trimethylbenzene
Concen: 0.552 ppbv
RT: 11.536 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

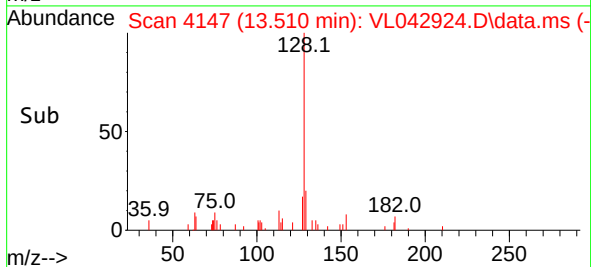
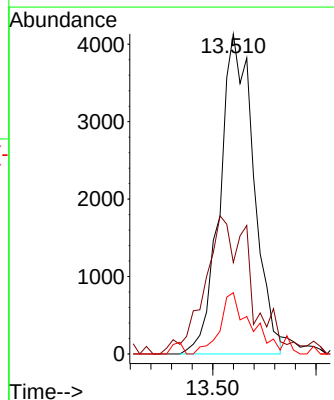
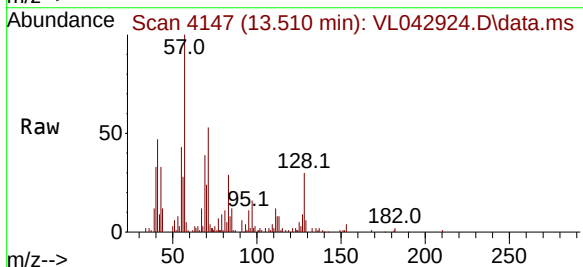
Instrument :
MSVOA_L
ClientSampleId :
SV2

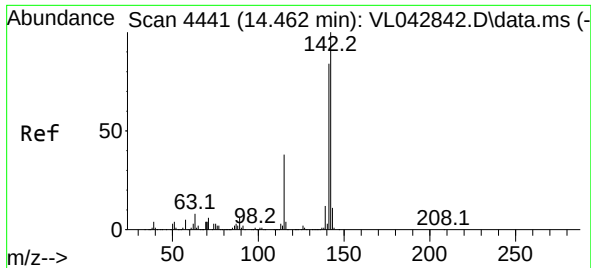
Tgt Ion:	105	Resp:	30248
Ion	Ratio	Lower	Upper
105	100		
120	41.2	39.8	59.6
91	9.9	54.2	81.4#
77	10.0	19.8	29.6#



#79
Naphthalene
Concen: 0.095 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion:	128	Resp:	4701
Ion	Ratio	Lower	Upper
128	100		
127	25.6	10.6	16.0#
129	17.9	8.9	13.3#

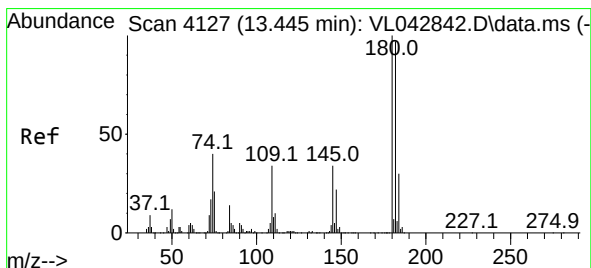
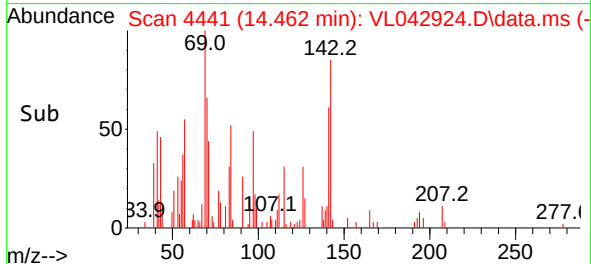
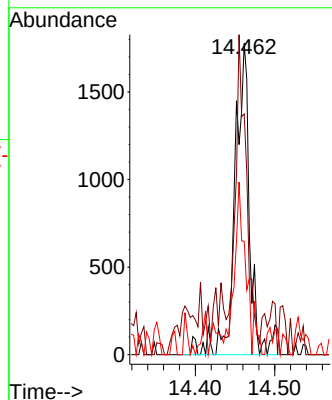
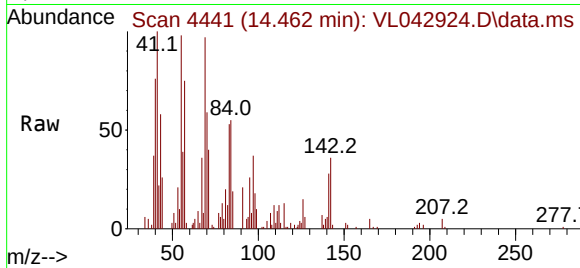




#80
Naphthalene, 2-methyl-
Concen: 0.125 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.013 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:	142	Resp:	2315
Ion Ratio	Lower	Upper	
142	100		
141	91.2	67.0	100.6
115	62.4	30.9	46.3#



#81
1,2,4-Trichlorobenzene
Concen: 0.031 ppbv
RT: 13.439 min Scan# 4125
Delta R.T. 0.006 min
Lab File: VL042924.D
Acq: 10 Sep 2025 12:05

Tgt Ion:	180	Resp:	766
Ion Ratio	Lower	Upper	
180	100		
182	237.2	76.9	115.3#
184	48.3	24.5	36.7#

