

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042871.D
 Acq On : 21 Aug 2025 18:28
 Operator : SY/MD
 Sample : Q2887-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Aug 22 01:26:13 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 : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	126154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	363018	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	323989	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	251283	10.342	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	1.466	51	16671	0.816	ppbv #	62
4) Chloromethane	1.534	50	375	0.050	ppbv	90
7) Chloroethane	1.706	64	146	0.051	ppbv #	39
9) Propene	1.560	41	4816	0.546	ppbv #	1
10) Heptane	5.001	43	10604	0.449	ppbv #	25
11) Trichlorofluoromethane	1.884	101	442	0.024	ppbv #	74
13) Ethanol	1.725	45	9776	12.114	ppbv	96
15) Acetone	1.839	43	352904	21.147	ppbv	99
16) 1,3-Butadiene	1.602	39	9886	1.307	ppbv #	19
17) tert-Butyl alcohol	2.049	59	3609	0.182	ppbv #	85
19) Isopropyl Alcohol	1.890	45	5560	0.558	ppbv #	1
20) Methylene Chloride	2.065	84	1528	0.219	ppbv	88
21) Allyl Chloride	2.052	41	1204	0.102	ppbv #	33
23) Vinyl Acetate	2.479	43	3482	0.152	ppbv #	49
25) Ethyl Acetate	2.835	43	76926	1.905	ppbv #	75
26) Hexane	2.832	57	112674	6.044	ppbv #	45
27) Carbon Disulfide	2.156	76	2602	0.143	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	227	0.024	ppbv #	48
29) Chloroform	2.858	83	952	0.036	ppbv #	43
30) Cyclohexane	3.868	84	4474	0.274	ppbv #	77
34) 2-Butanone	2.567	43	23527	0.960	ppbv	96
36) Benzene	3.664	78	2667	0.077	ppbv #	89
39) 1,2-Dichloropropane	3.968	63	92410	7.279	ppbv #	27
41) Tetrahydrofuran	3.068	42	2074	0.152	ppbv #	21
44) 2,2,4-Trimethylpentane	4.651	57	2381	0.040	ppbv #	43
51) 2-Hexanone	7.457	43	15122	0.580	ppbv #	92
53) Toluene	6.956	91	22710	0.550	ppbv #	1
57) Chlorobenzene	8.995	112	29613	0.961	ppbv #	36
58) Ethyl Benzene	9.367	91	20437	0.357	ppbv	90
59) m/p-Xylene	9.539	91	40861	0.912	ppbv #	100
60) o-Xylene	9.975	91	16940	0.376	ppbv	99
62) Isopropylbenzene	10.548	105	5218	0.079	ppbv	94
63) 1,1,2,2-Tetrachloroethane	9.963	83	5955	0.240	ppbv #	25
64) n-propylbenzene	10.998	120	874	0.052	ppbv #	1
65) tert-Butylbenzene	11.545	119	1389	0.024	ppbv #	26
66) Benzyl Chloride	11.623	91	155	0.021	ppbv #	65
67) sec-Butylbenzene	11.888	105	2779	0.034	ppbv	100
69) p-Isopropyltoluene	11.934	119	3614	0.052	ppbv #	85
71) 2-Chlorotoluene	11.001	91	7383	0.144	ppbv	87
72) 4-Ethyltoluene	11.134	105	2473	0.045	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.215	105	4896	0.105	ppbv	96
74) 1,2,4-Trimethylbenzene	11.548	105	9791	0.192	ppbv #	57

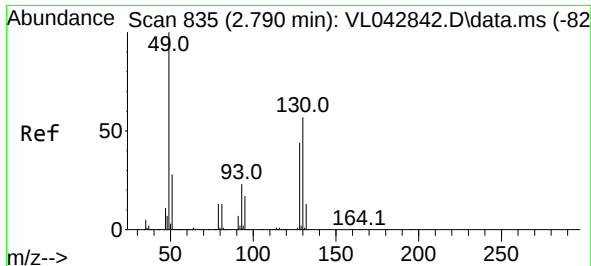
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042871.D
Acq On : 21 Aug 2025 18:28
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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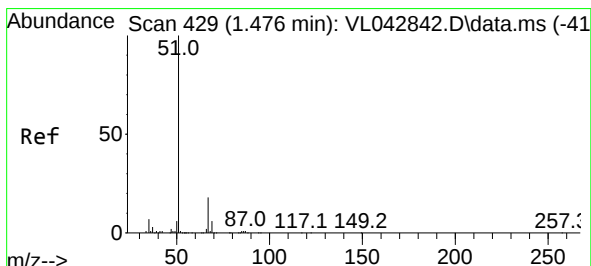
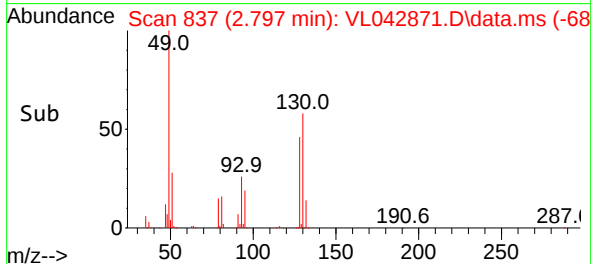
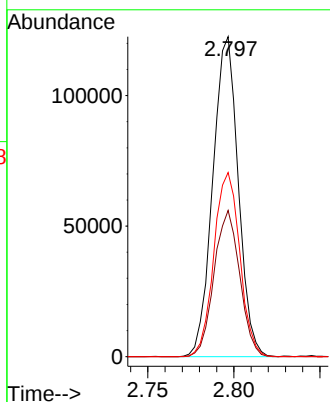
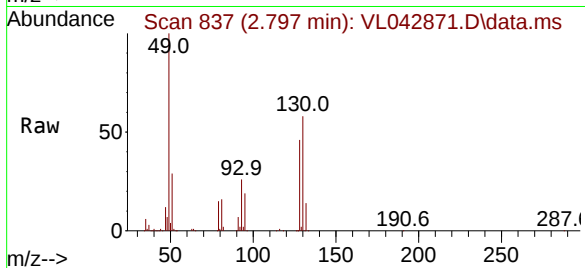
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

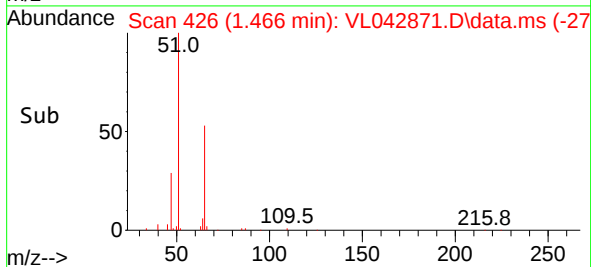
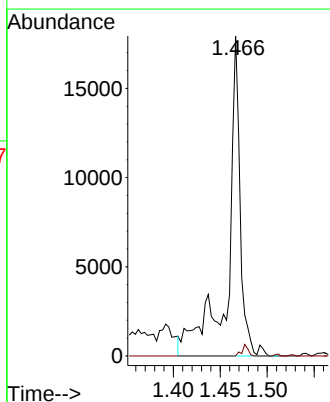
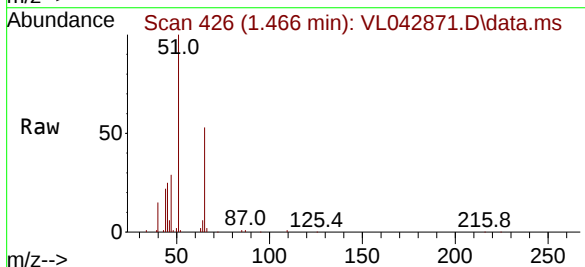
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MSVOA_L
ClientSampleId :
SV1

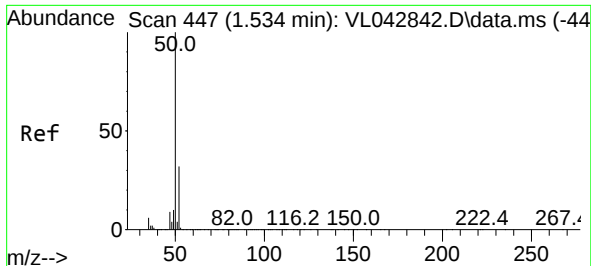
Tgt Ion: 49 Resp: 126154
Ion Ratio Lower Upper
49 100
128 46.1 23.7 71.1
130 58.5 30.6 91.6



#3
Chlorodifluoromethane
Concen: 0.816 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.010 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 51 Resp: 16671
Ion Ratio Lower Upper
51 100
67 1.7 14.9 22.3#

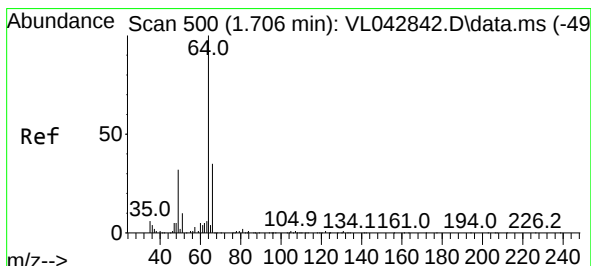
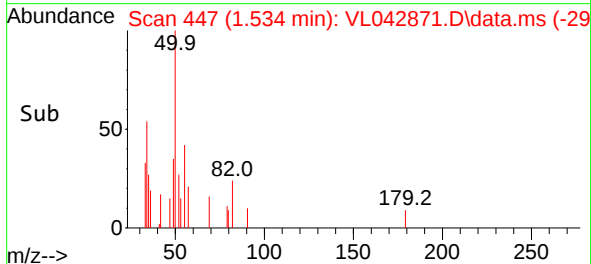
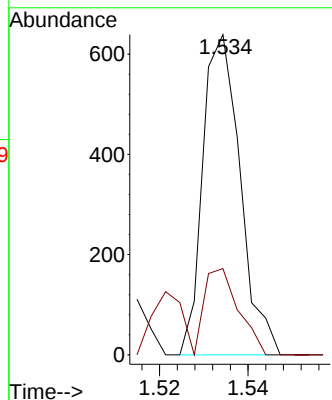
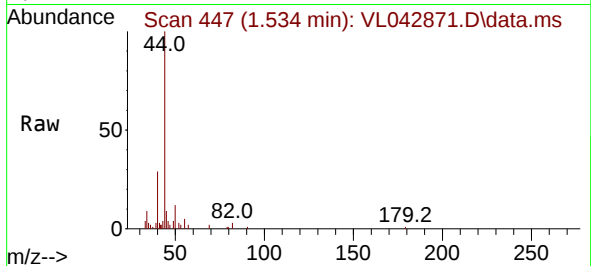




#4
Chloromethane
Concen: 0.050 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

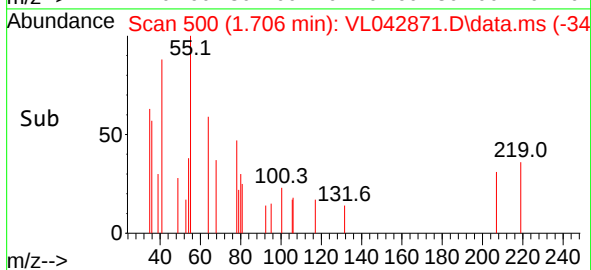
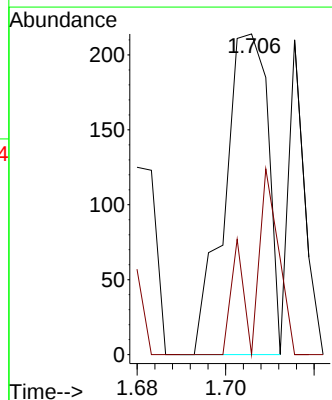
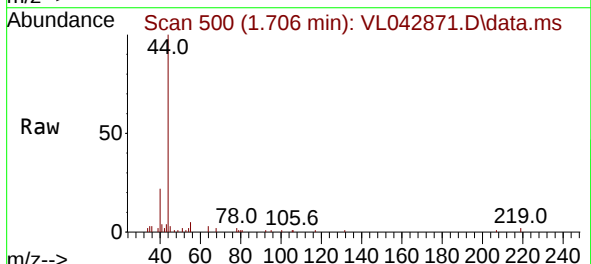
Instrument :
MSVOA_L
ClientSampleId :
SV1

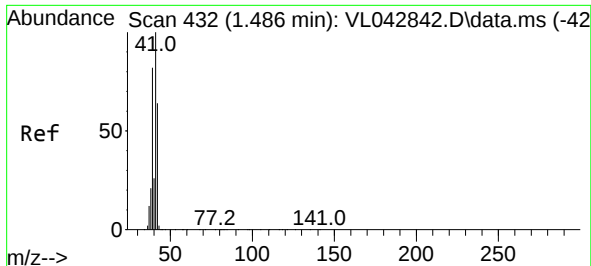
Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 26.9 25.9 38.9



#7
Chloroethane
Concen: 0.051 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 28.6 42.8#





#9

Propene

Concen: 0.546 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.074 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

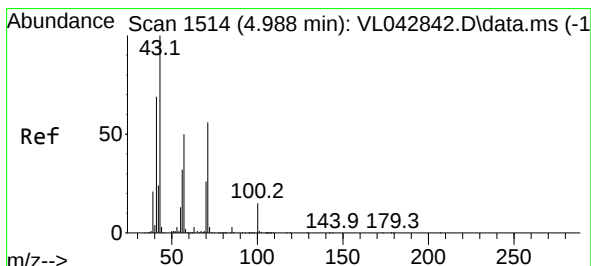
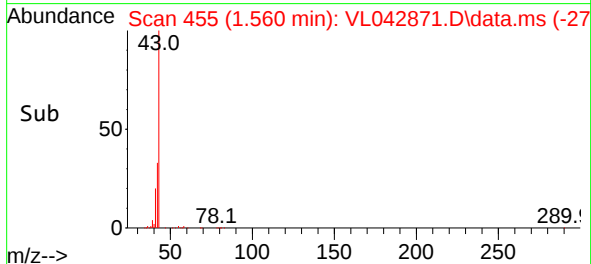
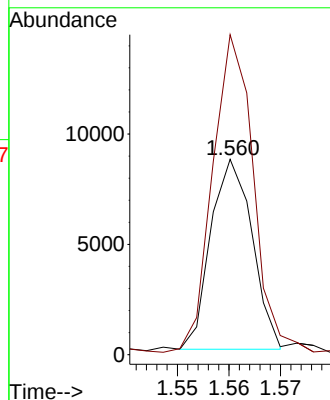
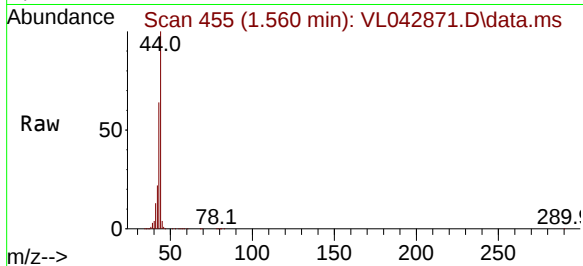
SV1

Tgt Ion: 41 Resp: 4816

Ion Ratio Lower Upper

41 100

42 176.6 53.0 79.4#



#10

Heptane

Concen: 0.449 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. 0.013 min

Lab File: VL042871.D

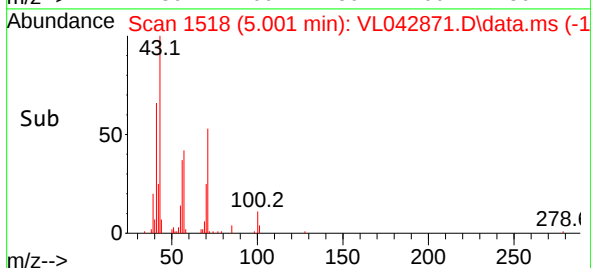
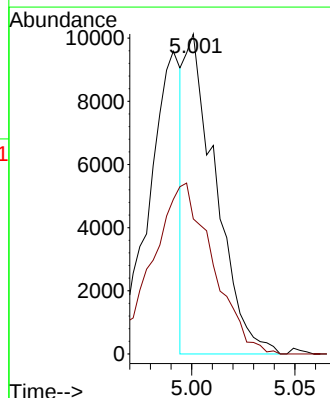
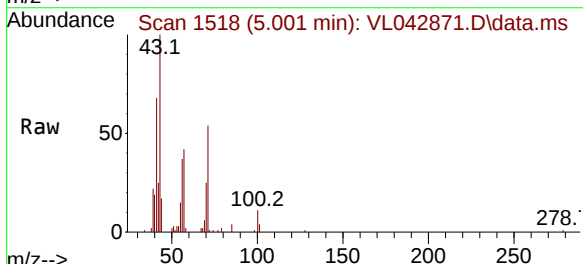
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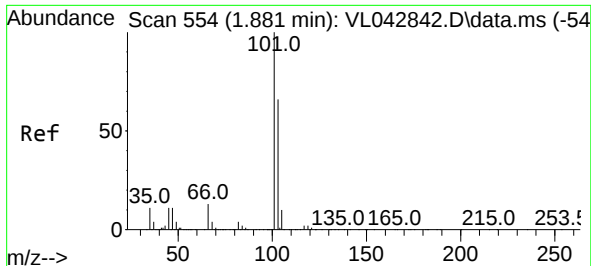
Tgt Ion: 43 Resp: 10604

Ion Ratio Lower Upper

43 100

57 104.1 41.4 62.0#

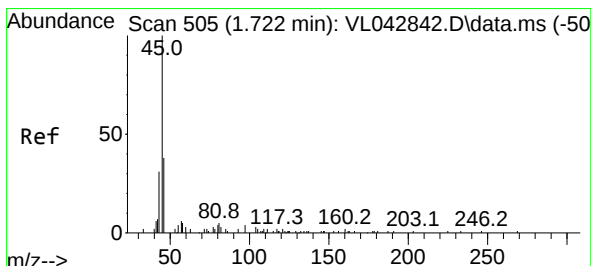
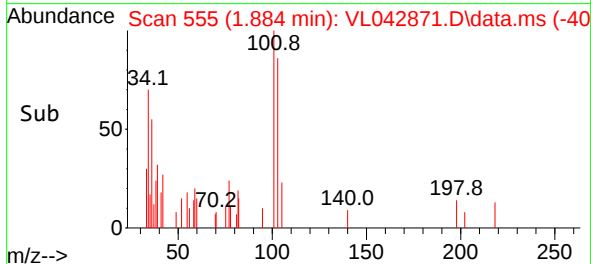
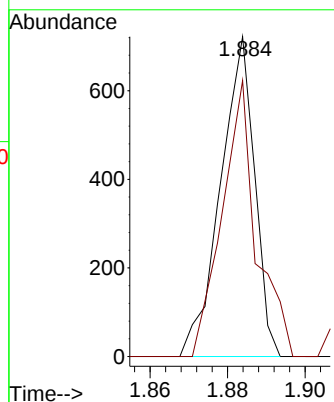
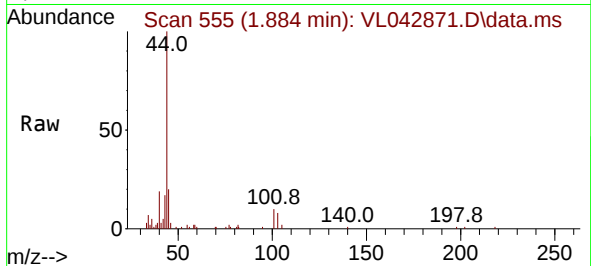




#11
 Trichlorofluoromethane
 Concen: 0.024 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

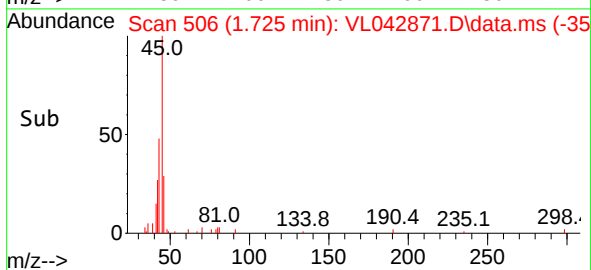
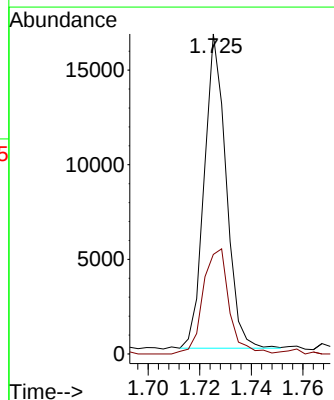
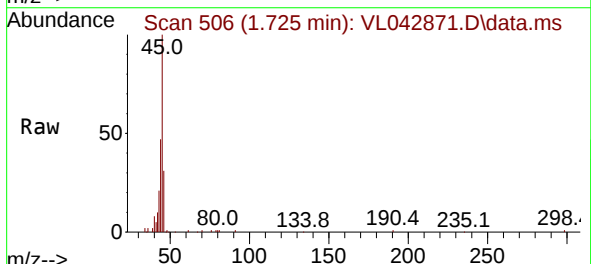
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

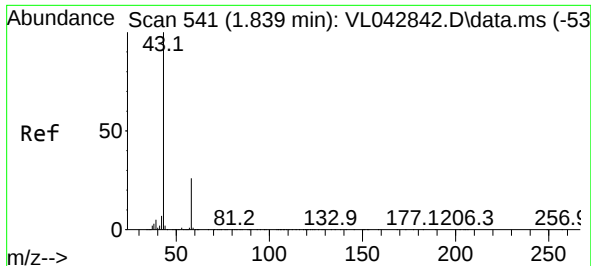
Tgt Ion:101 Resp: 442
 Ion Ratio Lower Upper
 101 100
 103 86.3 52.5 78.7#



#13
 Ethanol
 Concen: 12.114 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.003 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

Tgt Ion: 45 Resp: 9776
 Ion Ratio Lower Upper
 45 100
 46 41.0 17.5 69.9

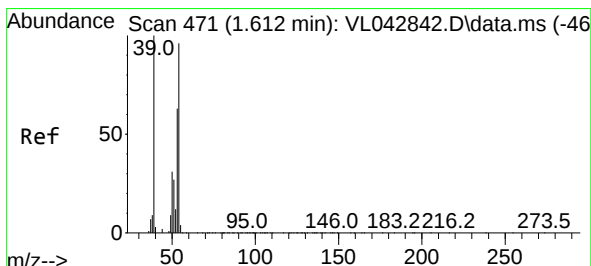
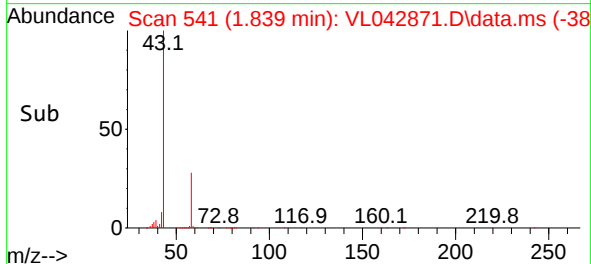
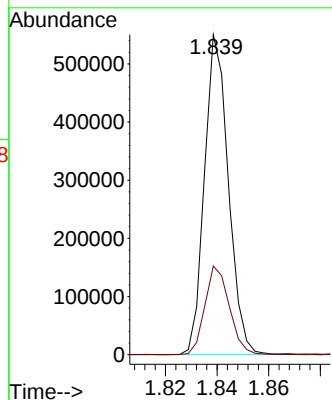
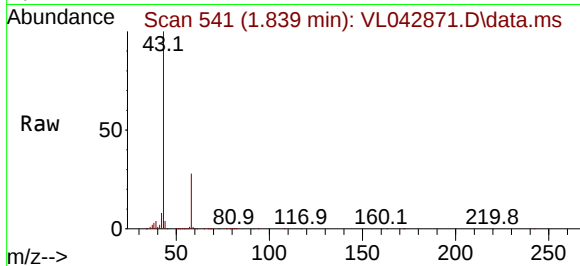




#15
Acetone
Concen: 21.147 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

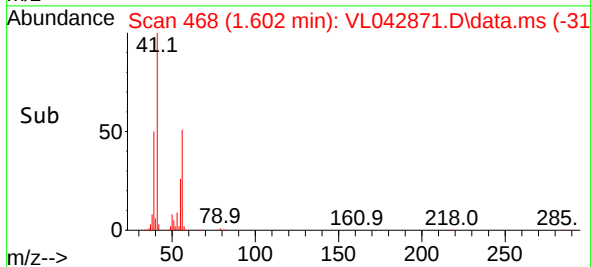
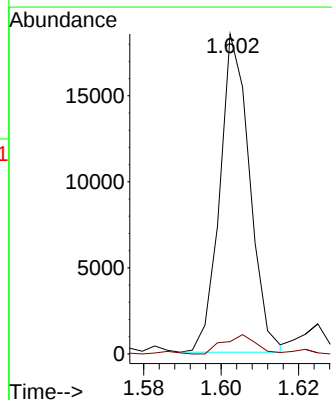
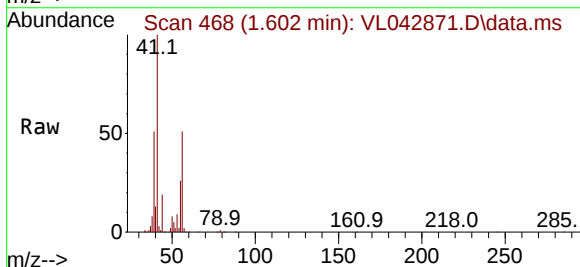
Instrument :
MSVOA_L
ClientSampleId :
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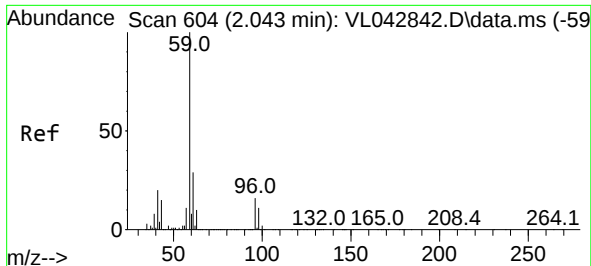
Tgt Ion: 43 Resp: 352904
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6



#16
1,3-Butadiene
Concen: 1.307 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 39 Resp: 9886
Ion Ratio Lower Upper
39 100
54 8.2 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.182 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

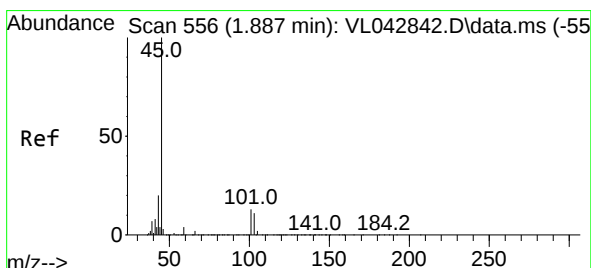
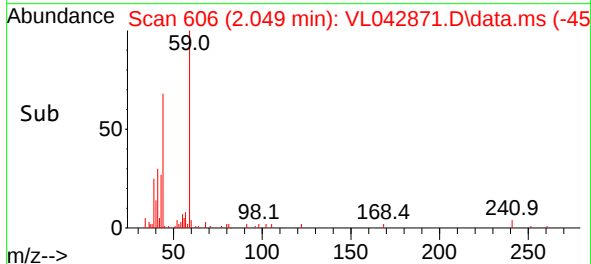
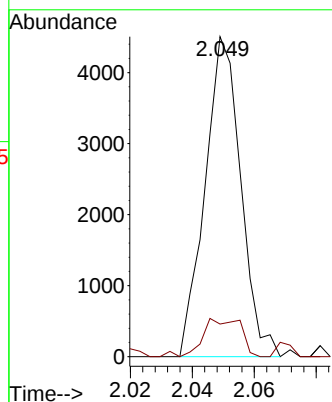
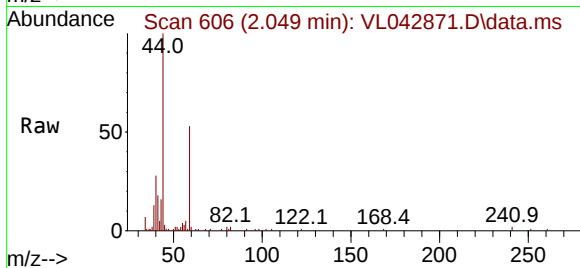
SV1

Tgt Ion: 59 Resp: 3609

Ion Ratio Lower Upper

59 100

57 16.8 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.558 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042871.D

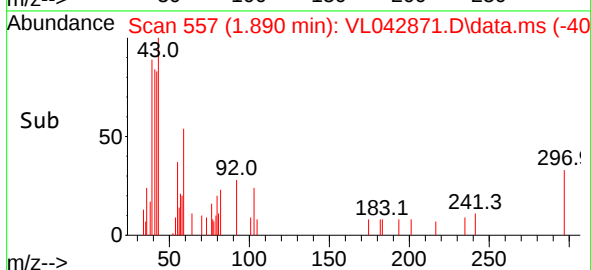
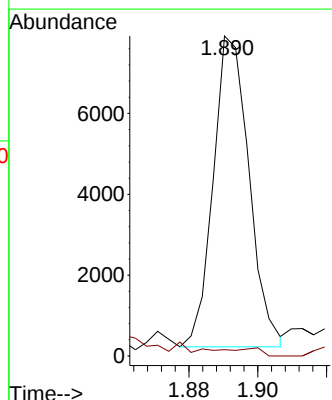
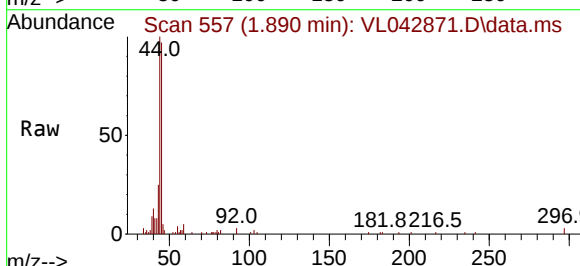
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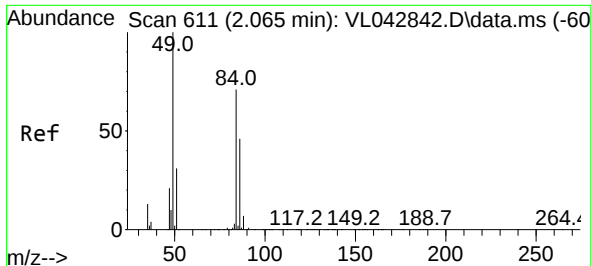
Tgt Ion: 45 Resp: 5560

Ion Ratio Lower Upper

45 100

58 1806.6 32.7 49.1#





#20

Methylene Chloride

Concen: 0.219 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.000 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 1528

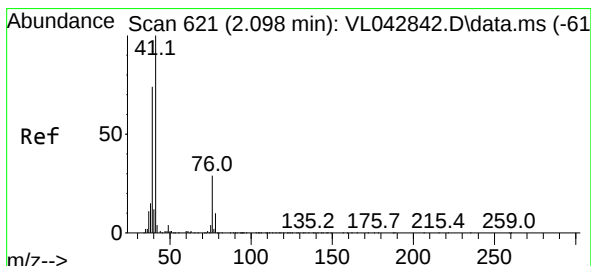
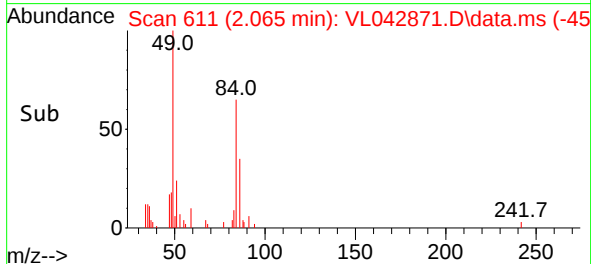
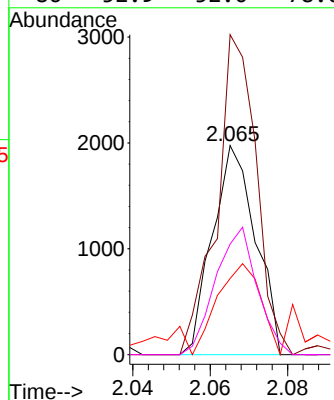
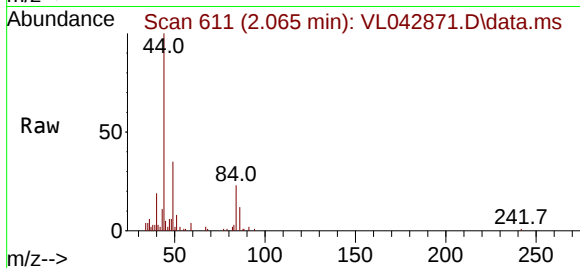
Ion Ratio Lower Upper

84 100

49 153.0 112.3 168.5

51 36.4 36.0 54.0

86 52.9 52.0 78.0



#21

Allyl Chloride

Concen: 0.102 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.045 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

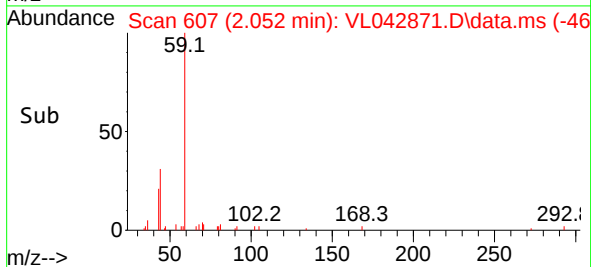
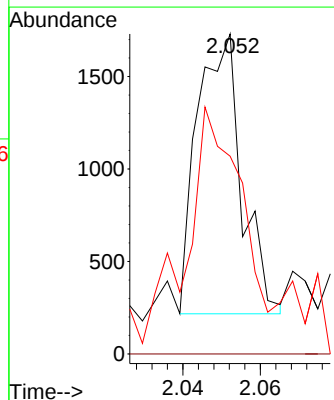
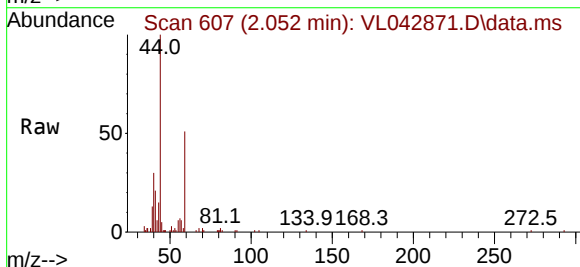
Tgt Ion: 41 Resp: 1204

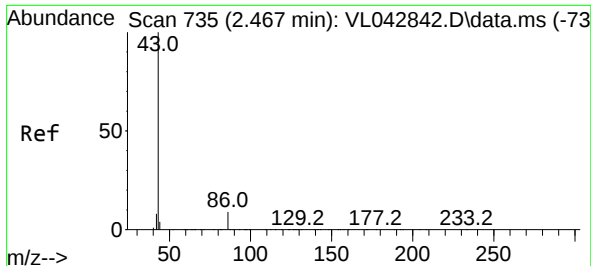
Ion Ratio Lower Upper

41 100

76 0.0 23.9 35.9#

39 132.1 57.8 86.6#

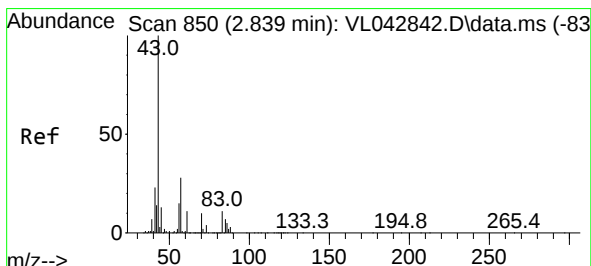
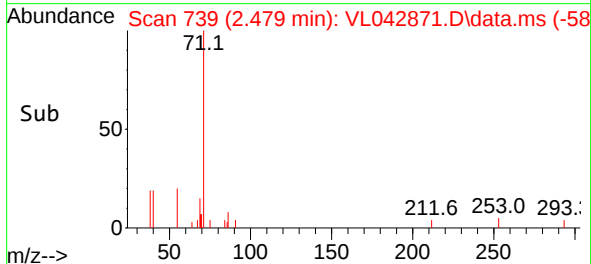
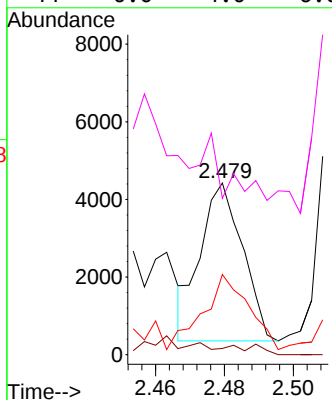
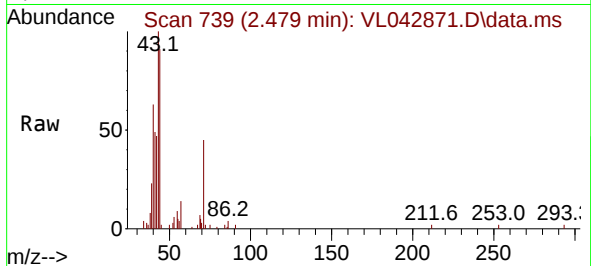




#23
 Vinyl Acetate
 Concen: 0.152 ppbv
 RT: 2.479 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

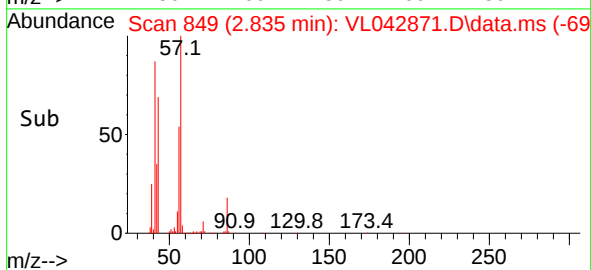
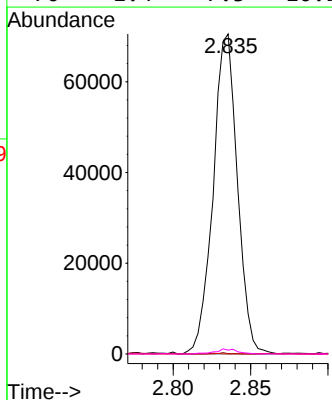
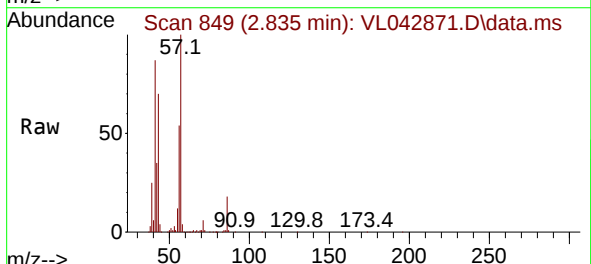
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

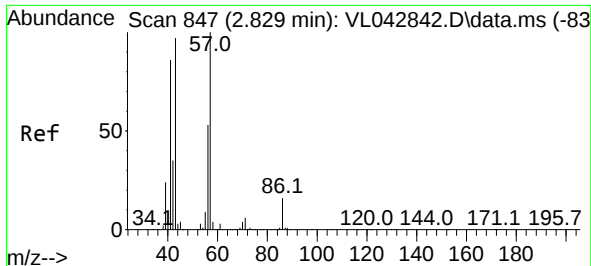
Tgt Ion: 43	Resp: 3482
Ion Ratio	Lower Upper
43 100	
86 3.9	6.6 9.8#
42 47.6	7.0 10.6#
44 0.0	4.0 6.0#



#25
 Ethyl Acetate
 Concen: 1.905 ppbv
 RT: 2.835 min Scan# 849
 Delta R.T. -0.003 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

Tgt	Ion: 43	Resp:	76926
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.1	12.1#
61	0.0	7.4	11.2#
70	1.4	7.3	10.9#

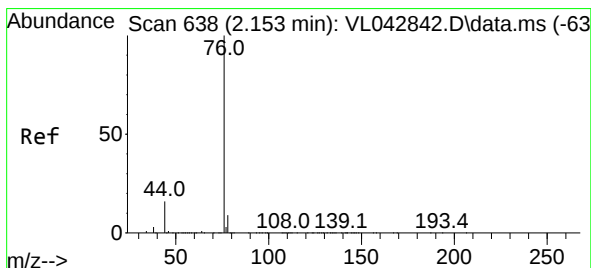
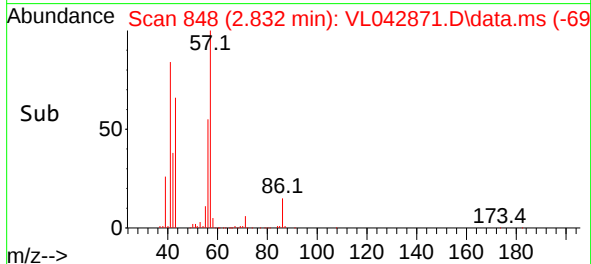
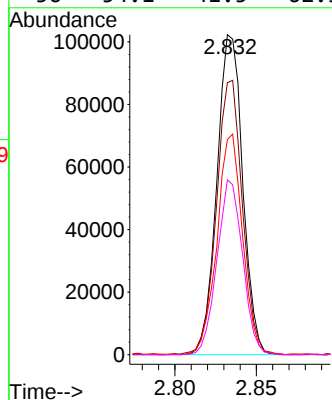
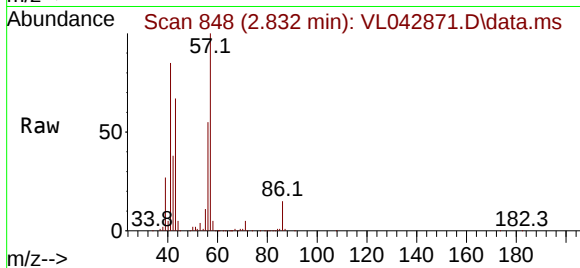




#26
Hexane
Concen: 6.044 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

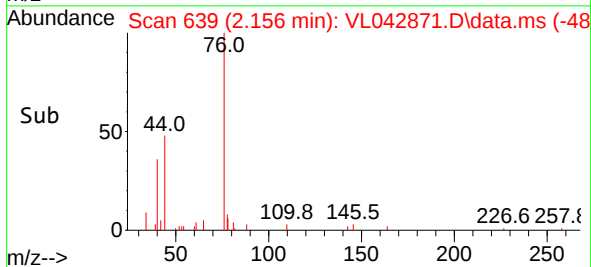
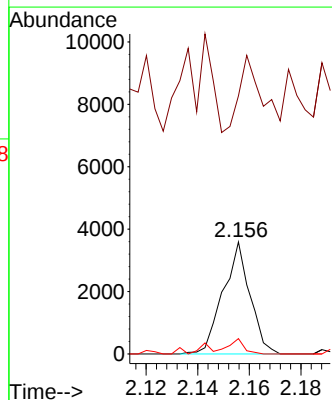
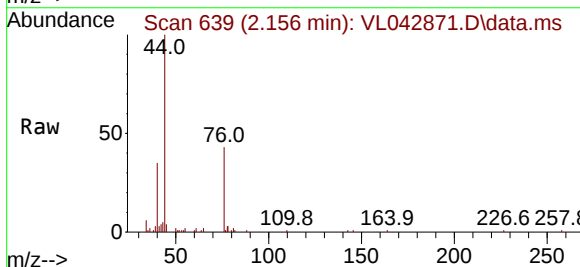
Instrument :
MSVOA_L
ClientSampleId :
SV1

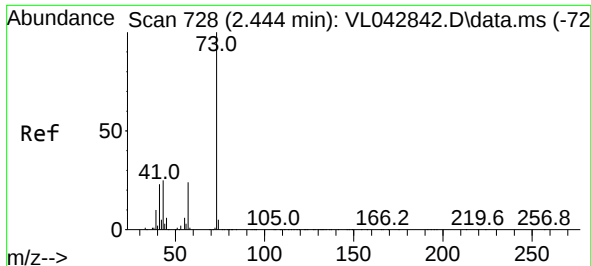
Tgt Ion: 57 Resp: 112674
Ion Ratio Lower Upper
57 100
41 86.5 68.6 103.0
43 68.7 168.5 252.7#
56 54.1 41.5 62.3



#27
Carbon Disulfide
Concen: 0.143 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 76 Resp: 2602
Ion Ratio Lower Upper
76 100
44 631.0 15.9 23.9#
78 15.0 9.5 14.3#

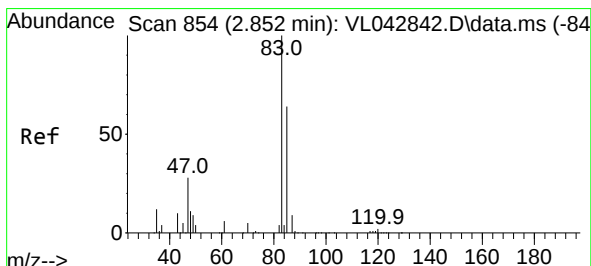
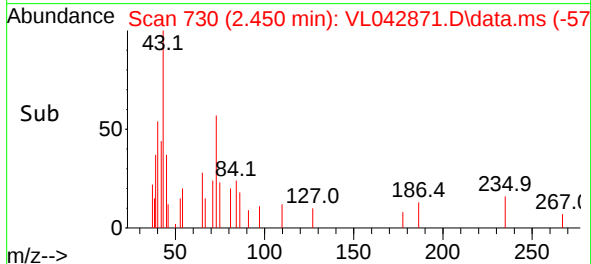
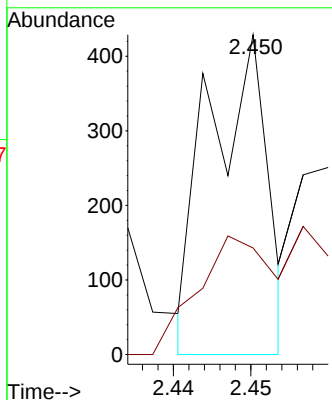
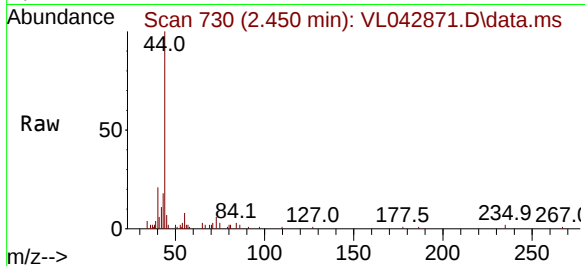




#28
Methyl tert-Butyl Ether
Concen: 0.024 ppbv
RT: 2.450 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

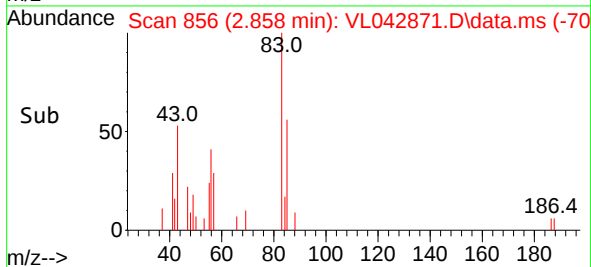
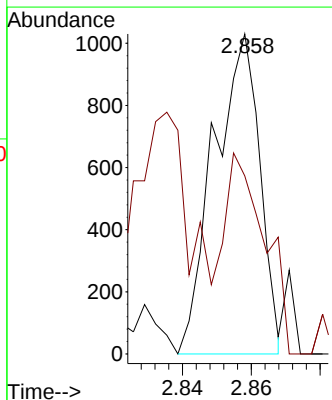
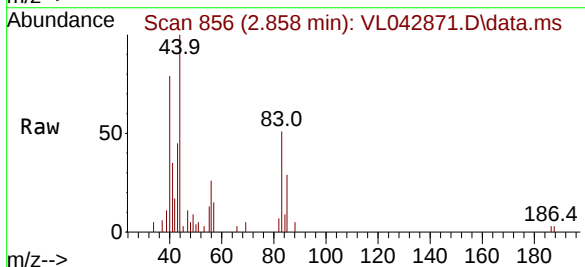
Instrument :
MSVOA_L
ClientSampleId :
SV1

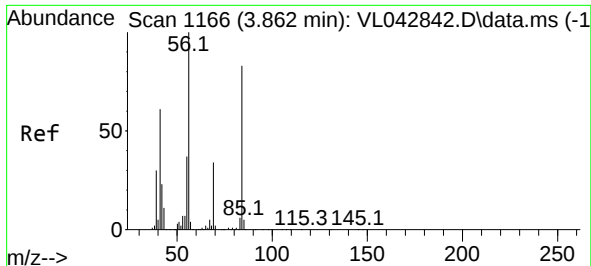
Tgt Ion: 73 Resp: 227
Ion Ratio Lower Upper
73 100
57 0.0 21.6 32.4#



#29
Chloroform
Concen: 0.036 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 83 Resp: 952
Ion Ratio Lower Upper
83 100
85 19.1 51.1 76.7#

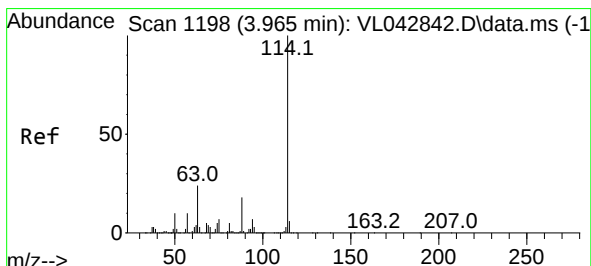
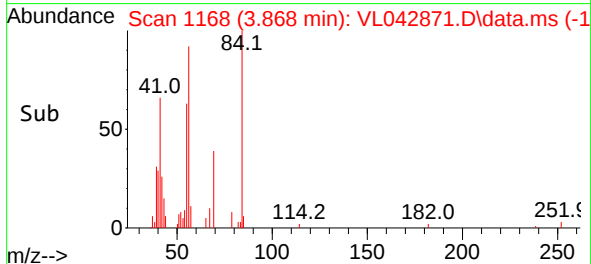
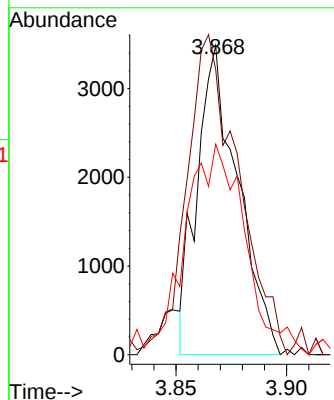
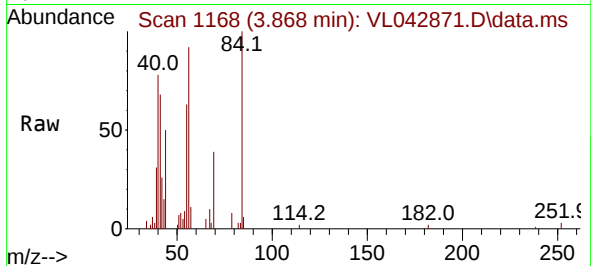




#30
Cyclohexane
Concen: 0.274 ppbv
RT: 3.868 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

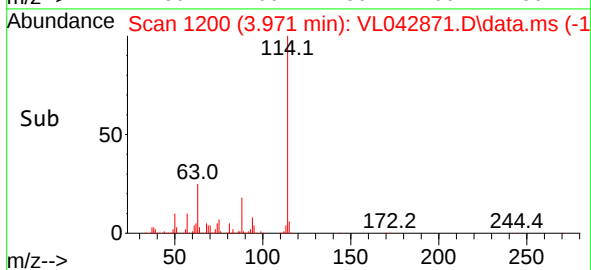
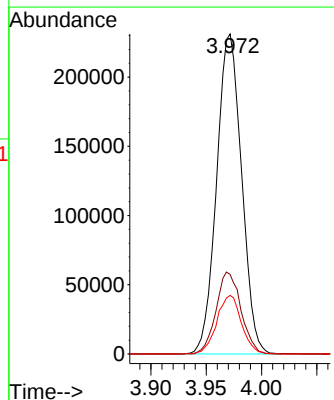
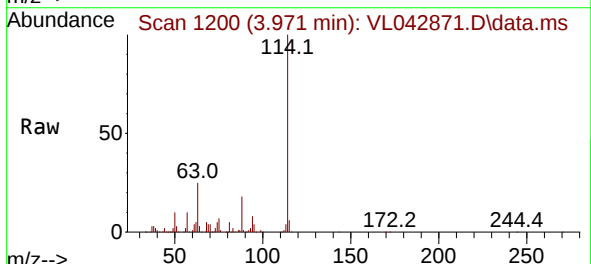
Instrument :
MSVOA_L
ClientSampleId :
SV1

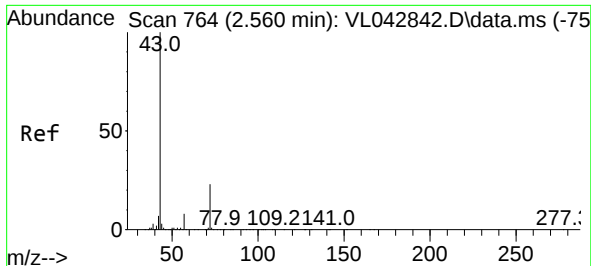
Tgt Ion: 84 Resp: 4474
Ion Ratio Lower Upper
84 100
56 136.8 98.8 148.2
41 112.1 61.3 91.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 114 Resp: 363018
Ion Ratio Lower Upper
114 100
63 25.5 19.7 29.5
88 18.0 14.4 21.6

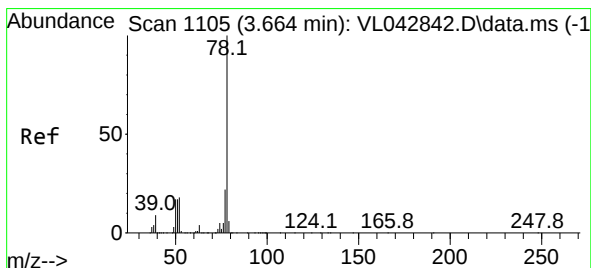
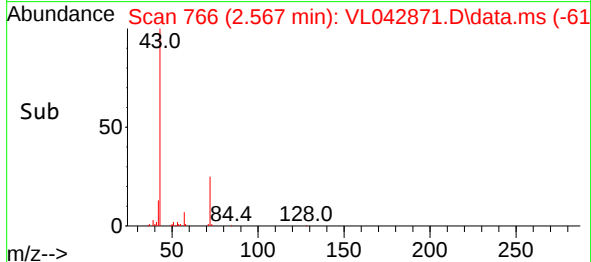
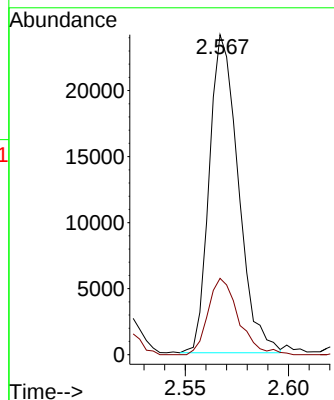
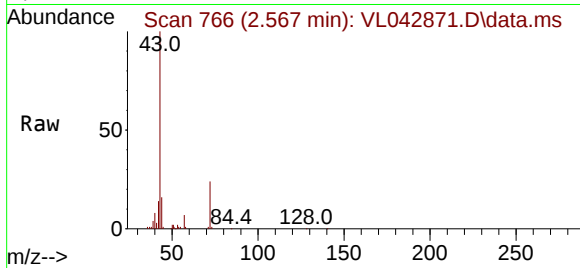




#34
2-Butanone
Concen: 0.960 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

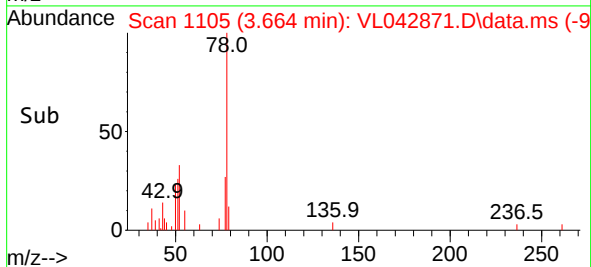
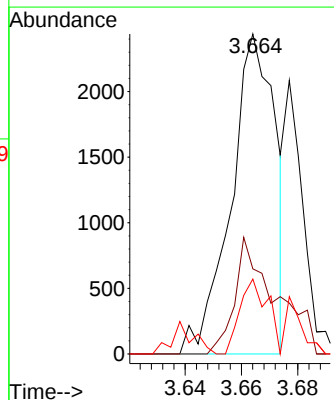
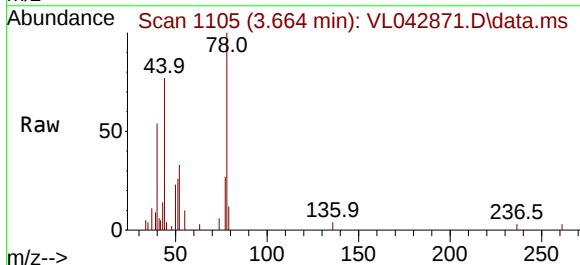
Instrument :
MSVOA_L
ClientSampleId :
SV1

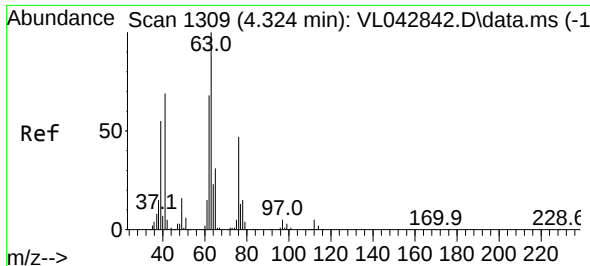
Tgt Ion: 43 Resp: 23527
Ion Ratio Lower Upper
43 100
72 25.2 18.6 28.0



#36
Benzene
Concen: 0.077 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 78 Resp: 2667
Ion Ratio Lower Upper
78 100
77 26.6 17.7 26.5#
50 23.4 13.9 20.9#





#39

1,2-Dichloropropane

Concen: 7.279 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.356 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

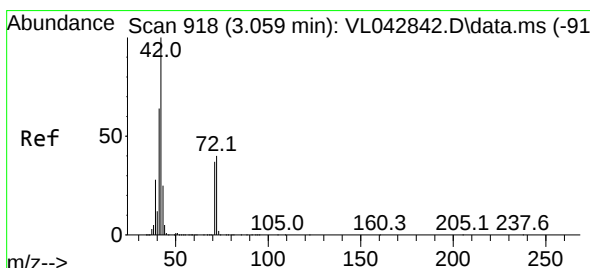
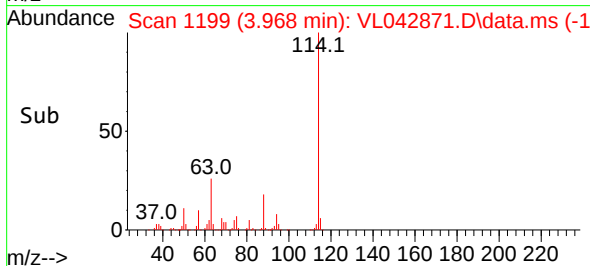
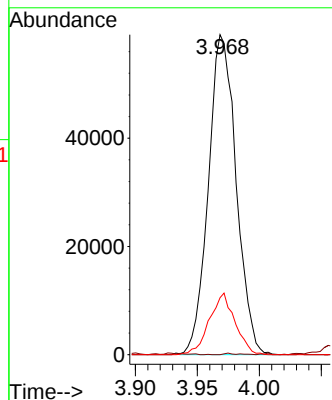
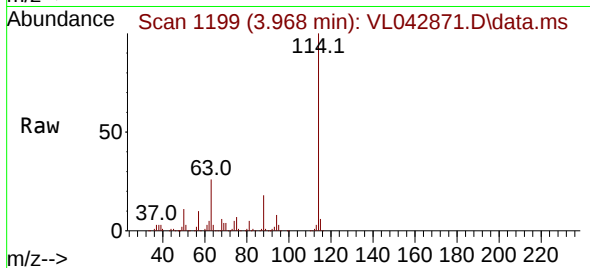
Tgt Ion: 63 Resp: 92410

Ion Ratio Lower Upper

63 100

41 0.0 55.0 82.4#

62 17.8 54.4 81.6#



#41

Tetrahydrofuran

Concen: 0.152 ppbv

RT: 3.068 min Scan# 921

Delta R.T. 0.010 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

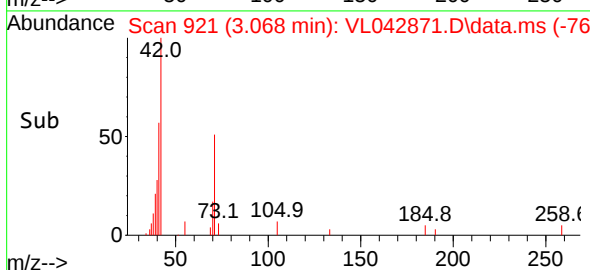
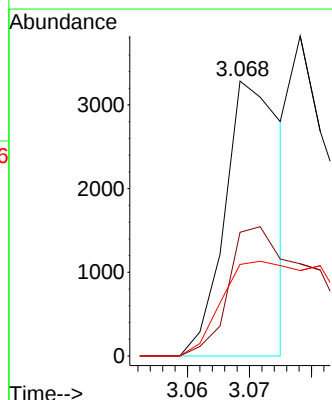
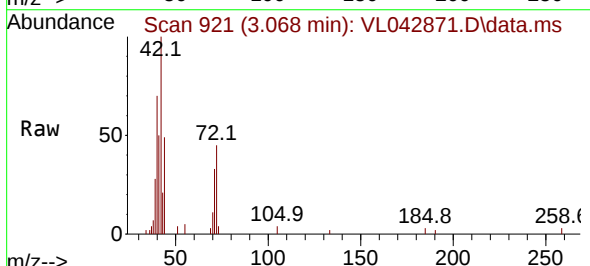
Tgt Ion: 42 Resp: 2074

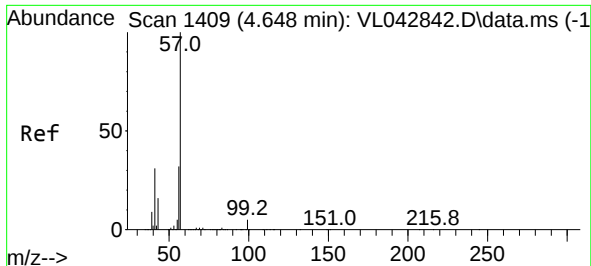
Ion Ratio Lower Upper

42 100

72 84.0 32.6 48.8#

71 91.0 30.0 45.0#

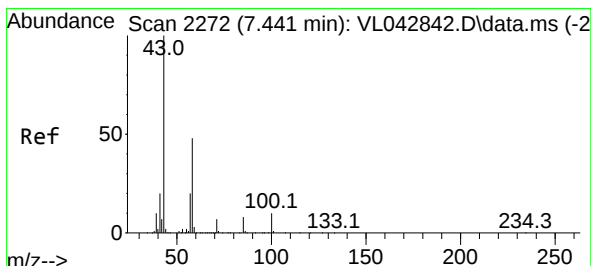
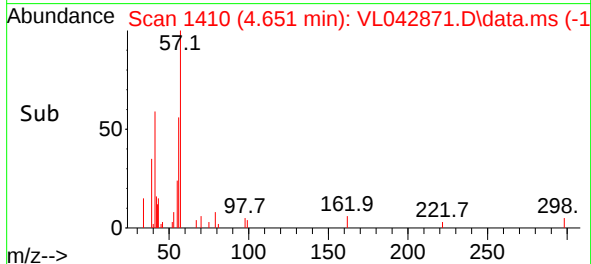
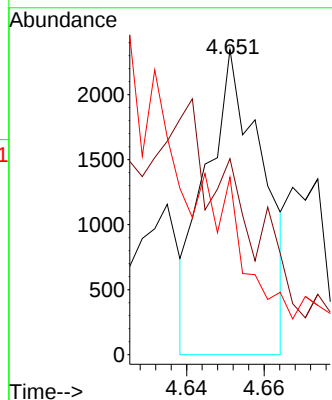
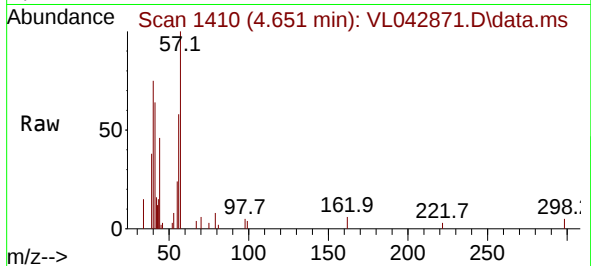




#44
 2,2,4-Trimethylpentane
 Concen: 0.040 ppbv
 RT: 4.651 min Scan# 1409
 Delta R.T. 0.003 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

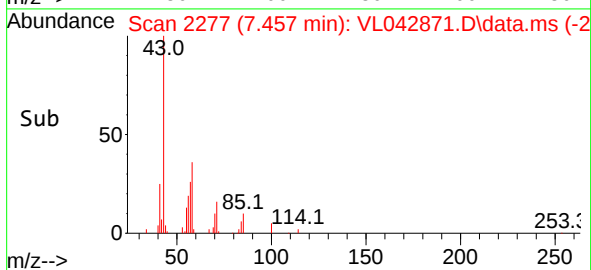
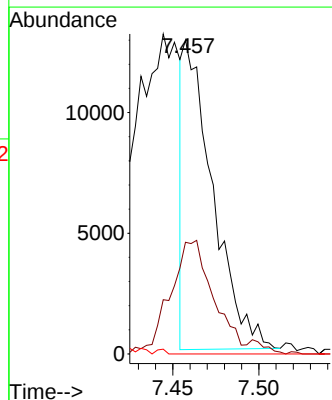
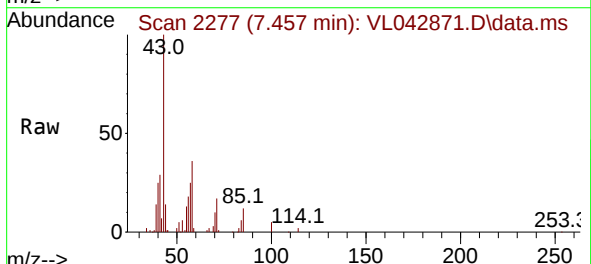
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

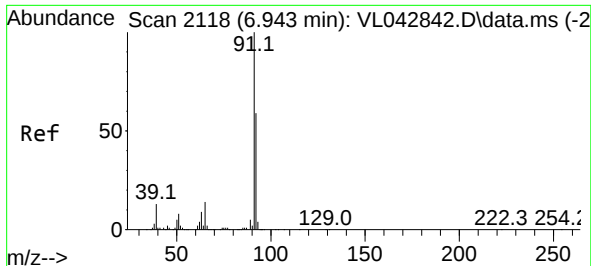
Tgt Ion: 57 Resp: 2381
 Ion Ratio Lower Upper
 57 100
 41 0.0 24.8 37.2#
 56 0.0 25.5 38.3#



#51
 2-Hexanone
 Concen: 0.580 ppbv
 RT: 7.457 min Scan# 2277
 Delta R.T. 0.016 min
 Lab File: VL042871.D
 Acq: 21 Aug 2025 18:28

Tgt Ion: 43 Resp: 15122
 Ion Ratio Lower Upper
 43 100
 58 56.7 41.0 61.6
 98 0.0 0.1 0.1#

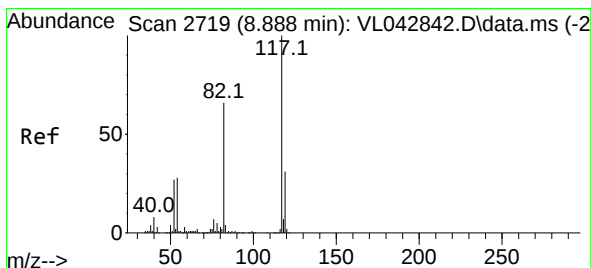
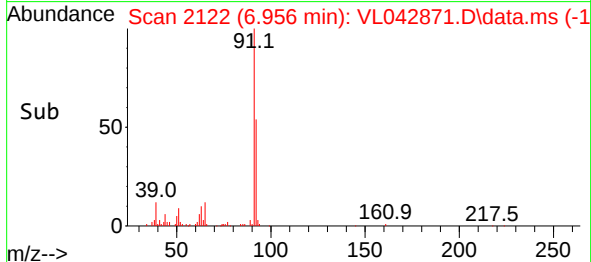
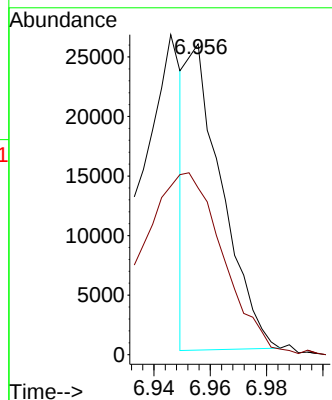
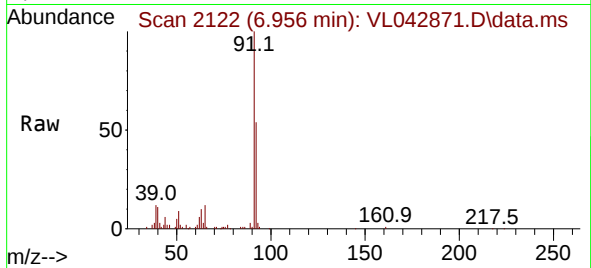




#53
Toluene
Concen: 0.550 ppbv
RT: 6.956 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

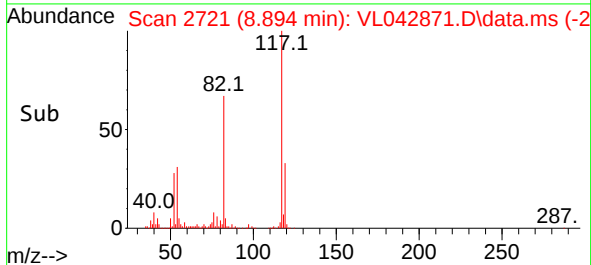
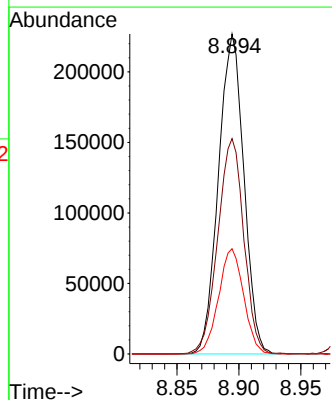
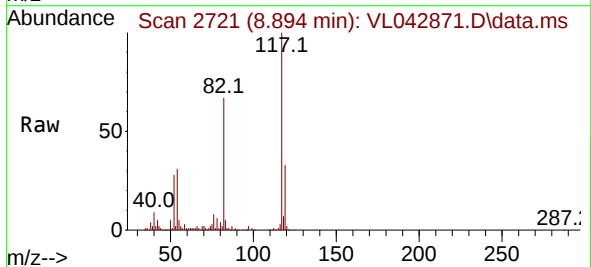
Instrument :
MSVOA_L
ClientSampleId :
SV1

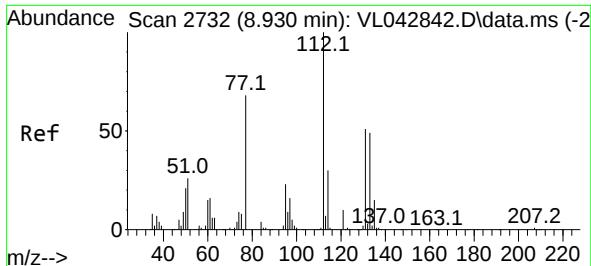
Tgt Ion: 91 Resp: 22710
Ion Ratio Lower Upper
91 100
92 135.5 47.8 71.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 117 Resp: 323989
Ion Ratio Lower Upper
117 100
82 69.0 54.6 81.8
119 32.5 25.9 38.9

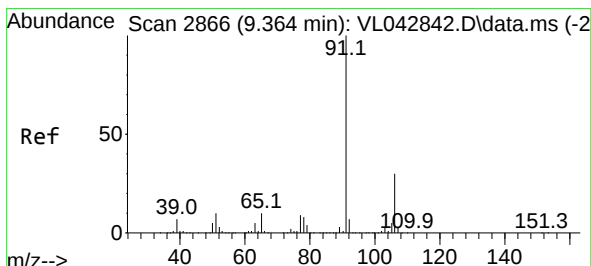
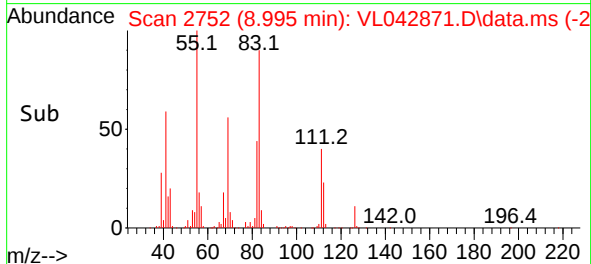
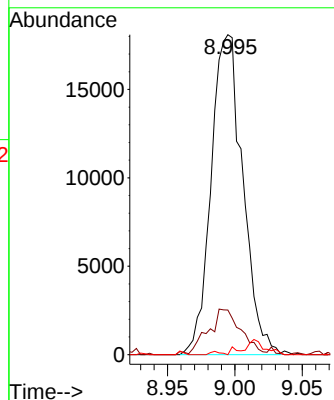
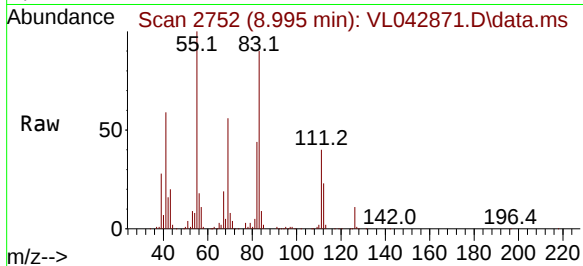




#57
Chlorobenzene
Concen: 0.961 ppbv
RT: 8.995 min Scan# 21
Delta R.T. 0.065 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

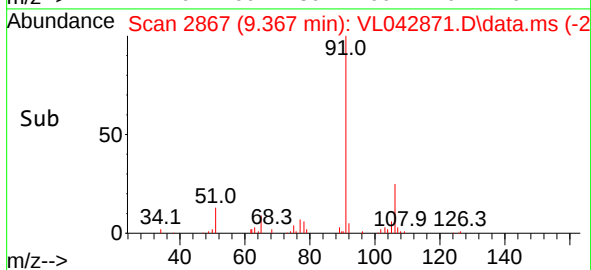
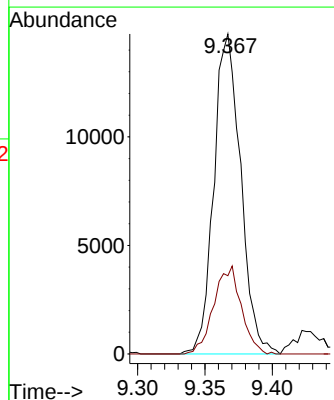
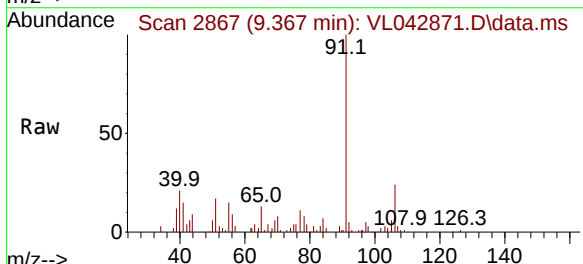
Instrument :
MSVOA_L
ClientSampleId :
SV1

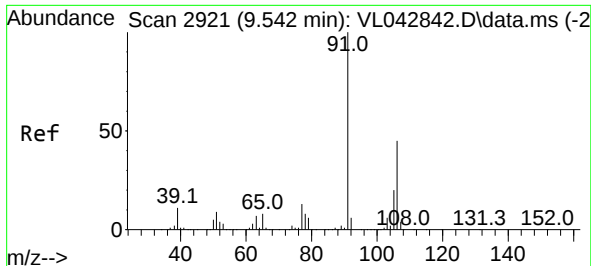
Tgt Ion:112 Resp: 29613
Ion Ratio Lower Upper
112 100
77 13.6 55.5 83.3#
114 0.0 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.357 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 91 Resp: 20437
Ion Ratio Lower Upper
91 100
106 24.4 23.9 35.9





#59

m/p-Xylene

Concen: 0.912 ppbv

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

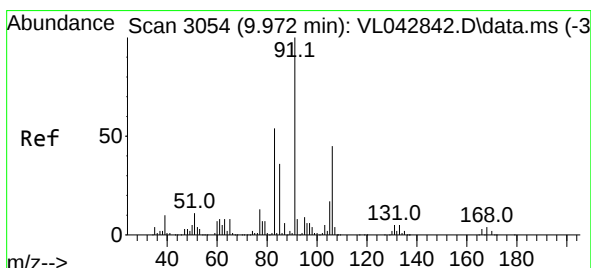
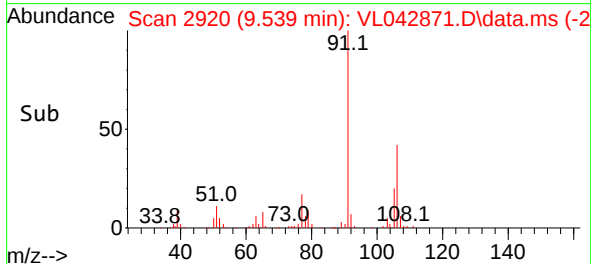
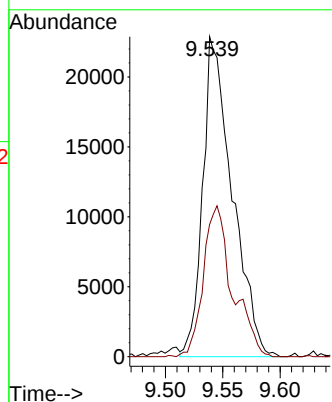
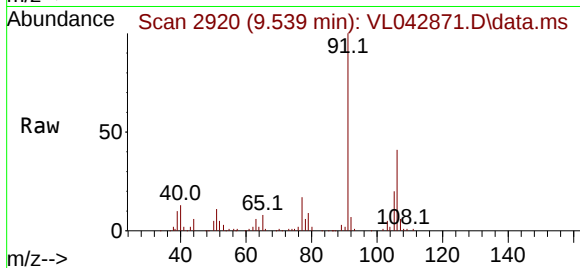
SV1

Tgt Ion: 91 Resp: 40861

Ion Ratio Lower Upper

91 100

106 46.6 0.0 0.0#



#60

o-Xylene

Concen: 0.376 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042871.D

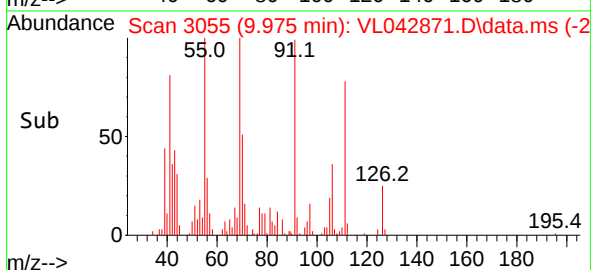
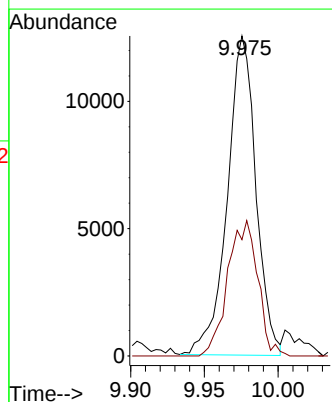
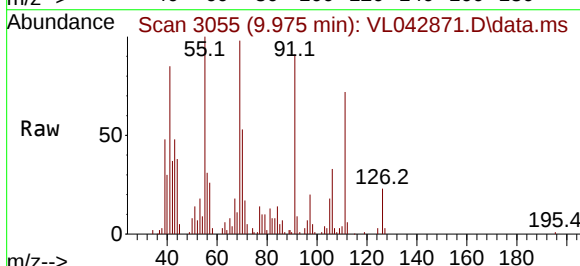
Acq: 21 Aug 2025 18:28

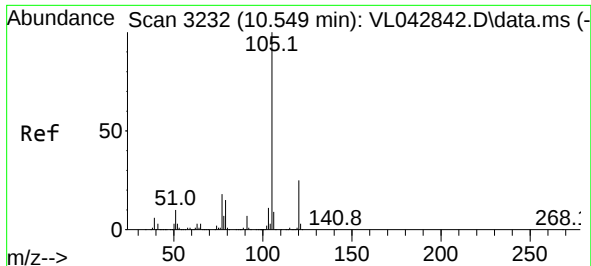
Tgt Ion: 91 Resp: 16940

Ion Ratio Lower Upper

91 100

106 44.4 21.8 65.4

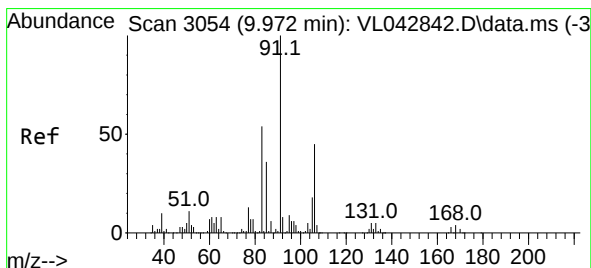
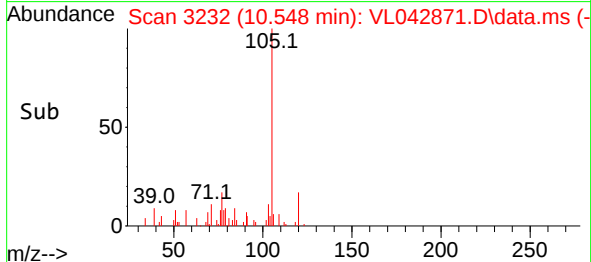
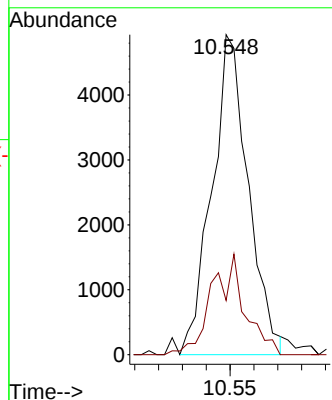
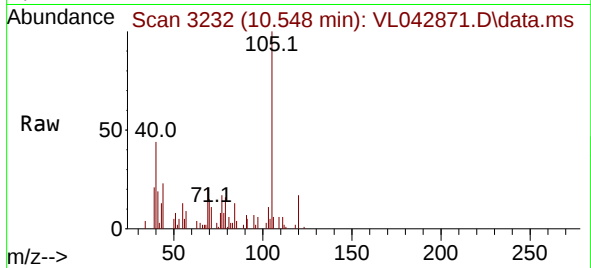




#62
Isopropylbenzene
Concen: 0.079 ppbv
RT: 10.548 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

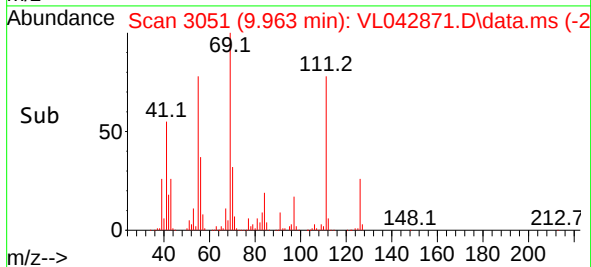
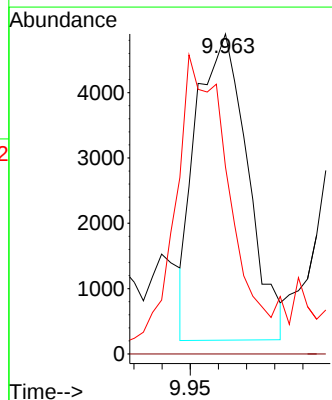
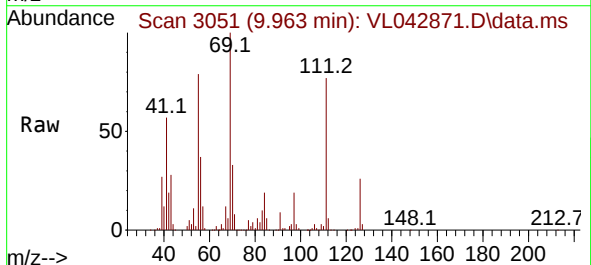
Instrument :
MSVOA_L
ClientSampleId :
SV1

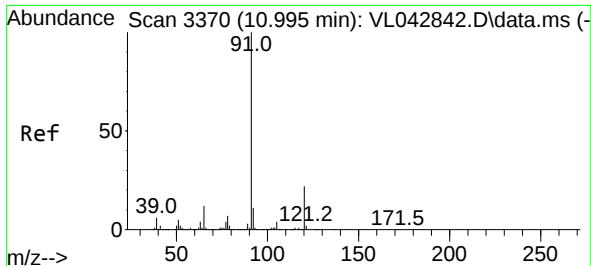
Tgt Ion:105 Resp: 5218
Ion Ratio Lower Upper
105 100
120 28.6 20.6 30.8



#63
1,1,2,2-Tetrachloroethane
Concen: 0.240 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.010 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 83 Resp: 5955
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3#
85 0.0 32.3 96.8#

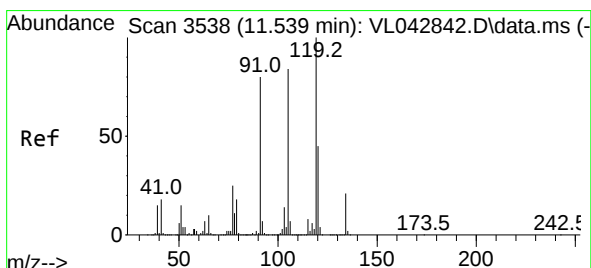
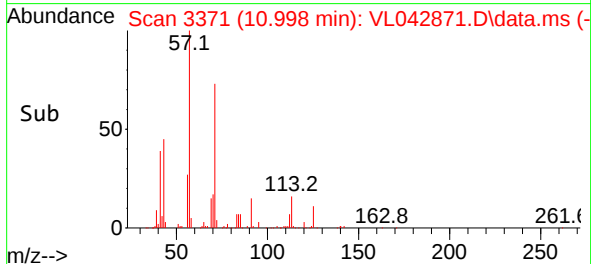
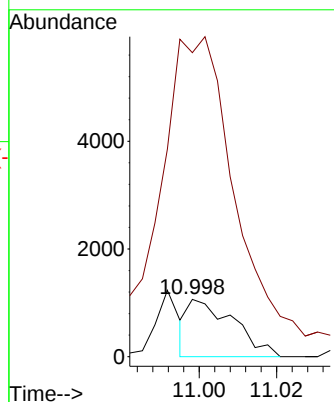
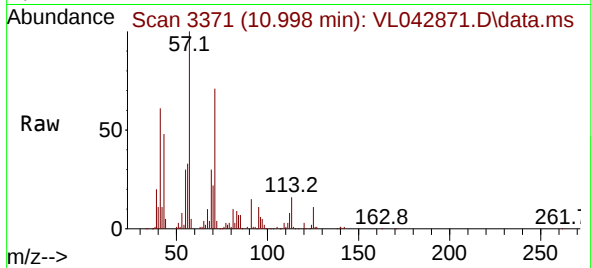




#64
n-propylbenzene
Concen: 0.052 ppbv
RT: 10.998 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

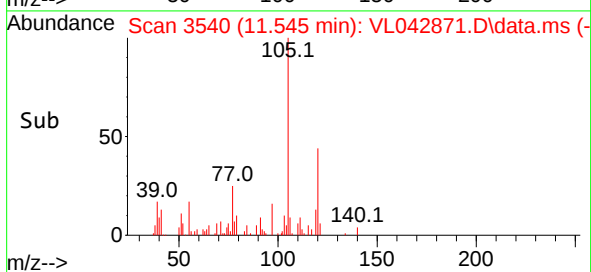
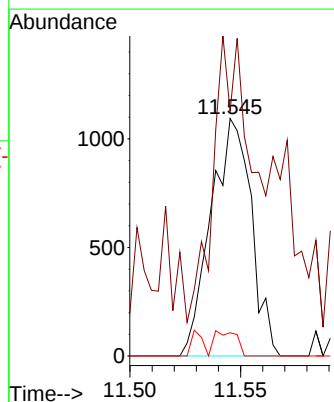
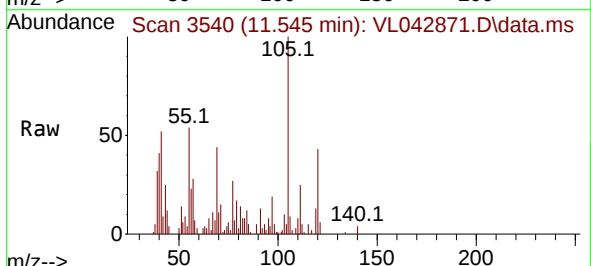
Instrument :
MSVOA_L
ClientSampleId :
SV1

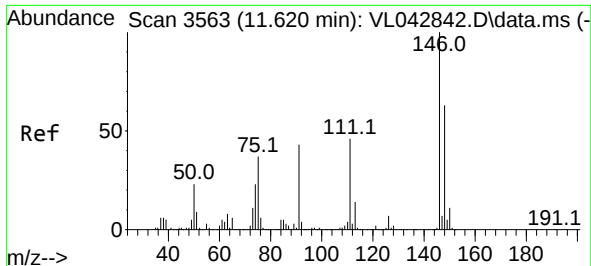
Tgt Ion:120 Resp: 874
Ion Ratio Lower Upper
120 100
91 1048.9 375.8 563.6#



#65
tert-Butylbenzene
Concen: 0.024 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion:119 Resp: 1389
Ion Ratio Lower Upper
119 100
91 156.7 63.9 95.9#
134 8.7 17.0 25.4#

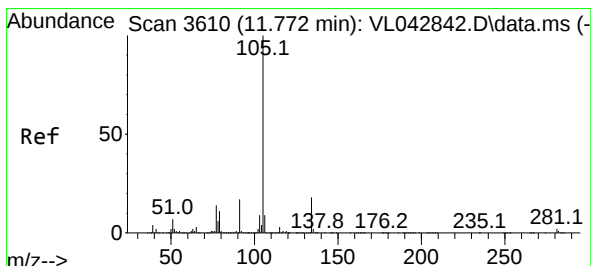
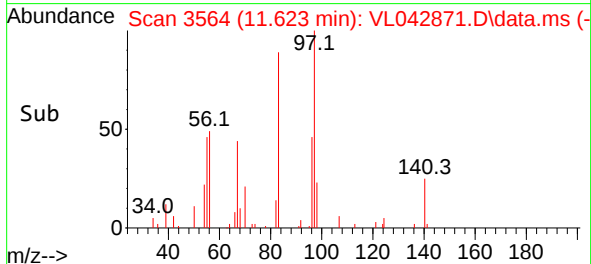
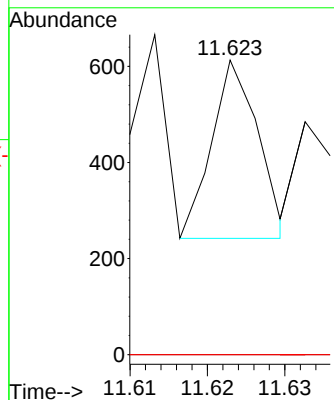
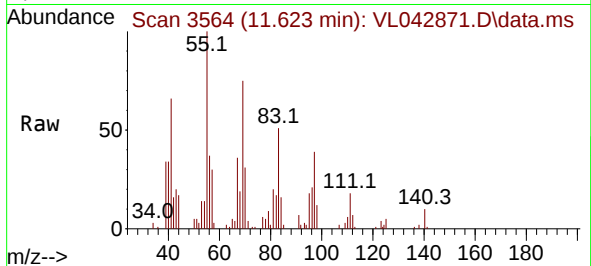




#66
Benzyl Chloride
Concen: 0.021 ppbv
RT: 11.623 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

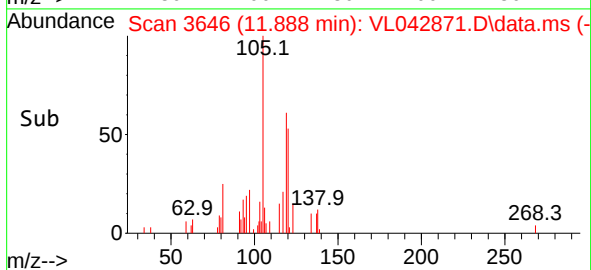
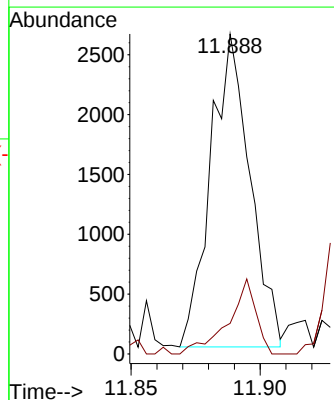
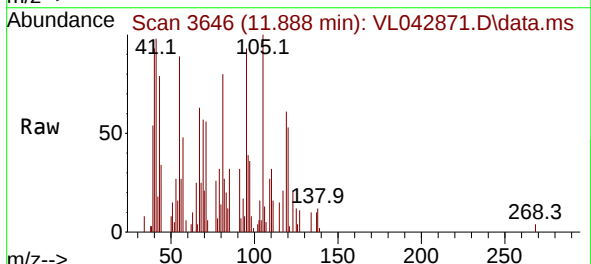
Instrument :
MSVOA_L
ClientSampleId :
SV1

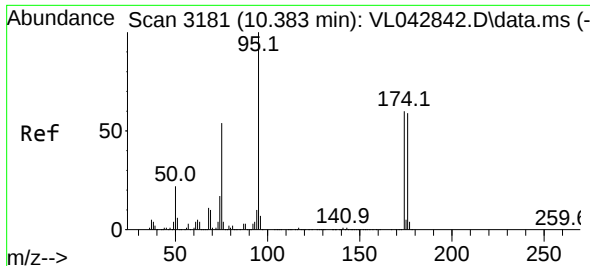
Tgt Ion: 91 Resp: 155
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 5.0 7.6#



#67
sec-Butylbenzene
Concen: 0.034 ppbv
RT: 11.888 min Scan# 3646
Delta R.T. 0.116 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 105 Resp: 2779
Ion Ratio Lower Upper
105 100
134 18.6 14.9 22.3

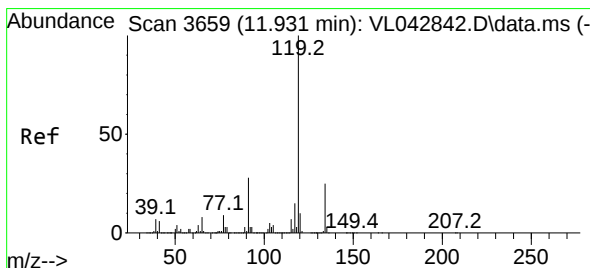
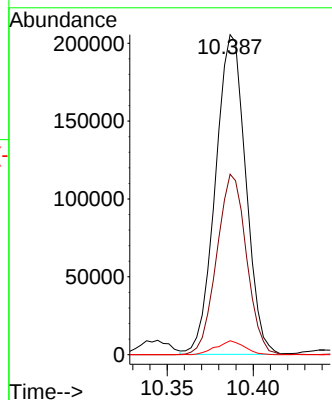
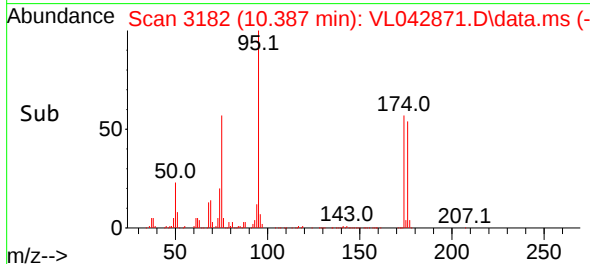
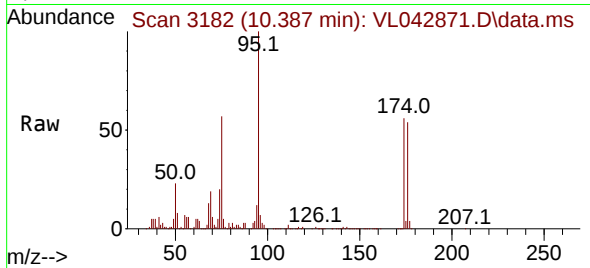




#68
1-Bromo-4-Fluorobenzene
Concen: 10.342 ppbv
RT: 10.387 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

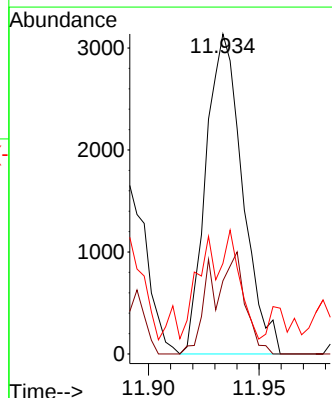
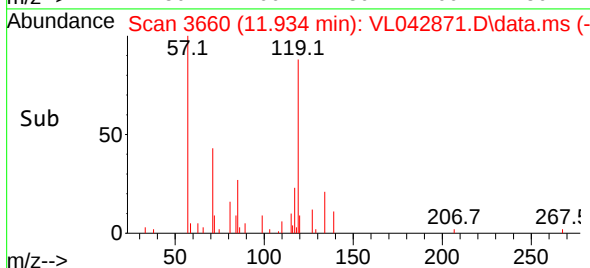
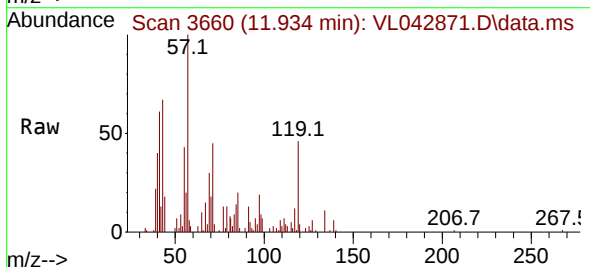
Instrument :
MSVOA_L
ClientSampleId :
SV1

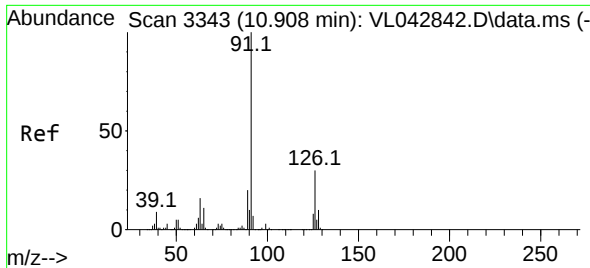
Tgt Ion: 95 Resp: 251283
Ion Ratio Lower Upper
95 100
174 55.4 48.4 72.6
175 4.1 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.052 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 119 Resp: 3614
Ion Ratio Lower Upper
119 100
134 29.3 20.6 30.8
91 40.0 22.6 34.0#

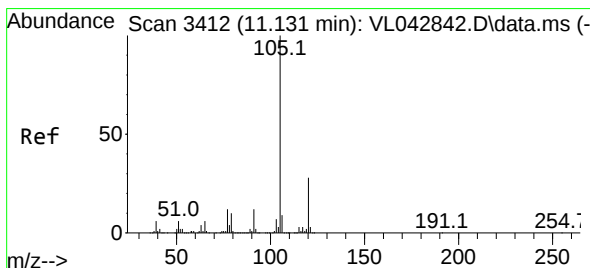
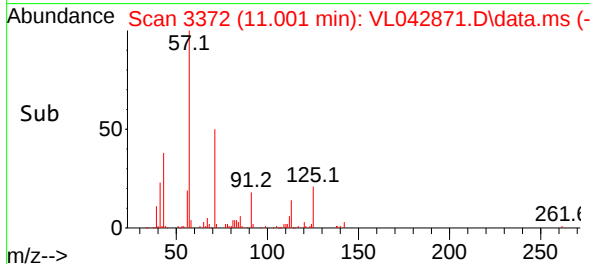
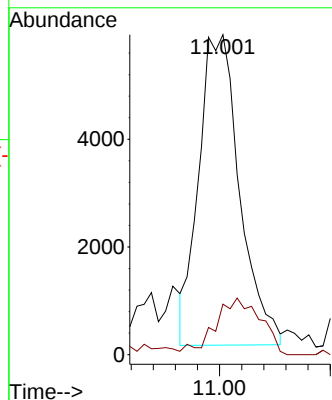
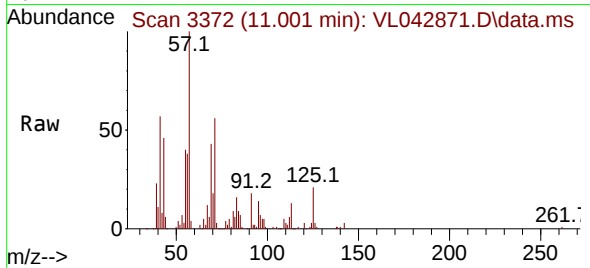




#71
2-Chlorotoluene
Concen: 0.144 ppbv
RT: 11.001 min Scan# 31
Delta R.T. 0.094 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

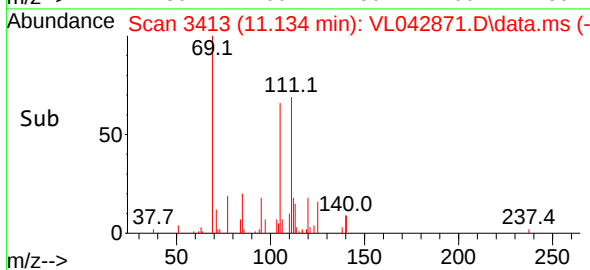
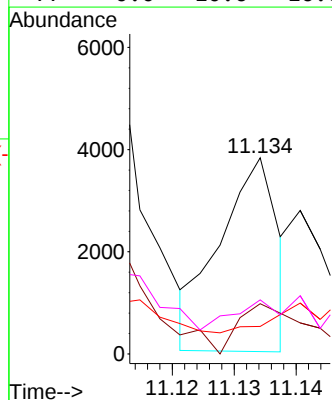
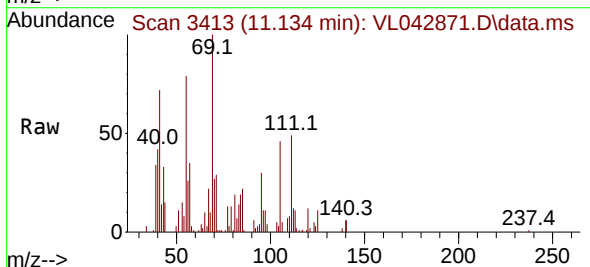
Instrument :
MSVOA_L
ClientSampleId :
SV1

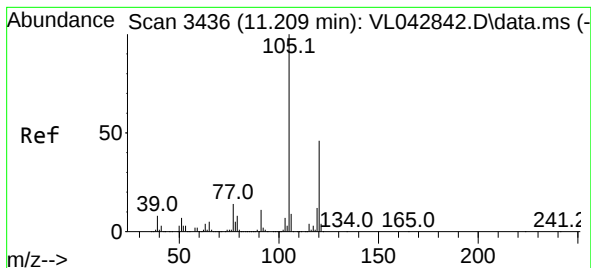
Tgt Ion: 91 Resp: 7383
Ion Ratio Lower Upper
91 100
126 22.8 12.0 47.8



#72
4-Ethyltoluene
Concen: 0.045 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042871.D
Acq: 21 Aug 2025 18:28

Tgt Ion: 105 Resp: 2473
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.2#
91 0.0 9.8 14.6#
77 0.0 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.105 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.006 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Instrument :

MSVOA_L

ClientSampleId :

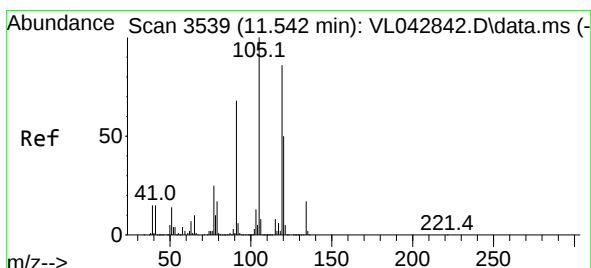
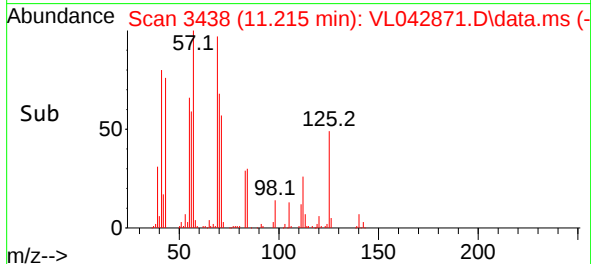
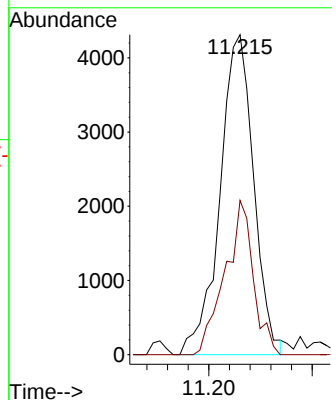
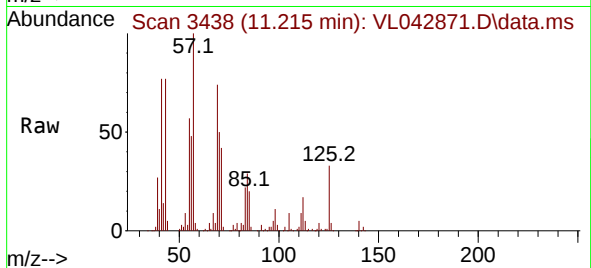
SV1

Tgt Ion:105 Resp: 4896

Ion Ratio Lower Upper

105 100

120 48.2 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 0.192 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. 0.006 min

Lab File: VL042871.D

Acq: 21 Aug 2025 18:28

Tgt Ion:105 Resp: 9791

Ion Ratio Lower Upper

105 100

120 41.4 39.8 59.6

91 11.2 54.2 81.4#

77 10.0 19.8 29.6#

