

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042807.D
 Acq On : 04 Aug 2025 16:17
 Operator : SY/MD
 Sample : Q2750-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:08:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	157969	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	449056	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	389304	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	321819	10.438	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.476	85	19583	0.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	1140692	41.926	ppbv	94
4) Chloromethane	1.531	50	5508	0.652	ppbv	99
5) Vinyl Chloride	1.651	62	258	0.031	ppbv #	69
6) Bromomethane	1.677	94	91	0.028	ppbv #	77
7) Chloroethane	1.703	64	266	0.082	ppbv #	78
8) Dichlorotetrafluoroethane	1.554	85	476	0.028	ppbv	90
9) Propene	1.561	41	456399	46.155	ppbv	97
10) Heptane	4.991	43	1705	0.064	ppbv #	27
11) Trichlorofluoromethane	1.878	101	4846	0.225	ppbv	87
12) 1,1,2-Trichlorotrifluo...	2.140	101	1630	0.100	ppbv #	76
13) Ethanol	1.729	45	2797020	3883.569	ppbv	93
15) Acetone	1.836	43	2084891	95.580	ppbv #	81
16) 1,3-Butadiene	1.561	39	221503	23.807	ppbv #	16
17) tert-Butyl alcohol	1.959	59	5014205	254.876	ppbv	96
19) Isopropyl Alcohol	1.959	45	18181997	1568.534	ppbv #	44
20) Methylene Chloride	2.065	84	5475	0.796	ppbv #	90
21) Allyl Chloride	1.959	41	8559192	636.669	ppbv #	79
23) Vinyl Acetate	2.473	43	5957	0.225	ppbv #	65
25) Ethyl Acetate	2.842	43	153653	3.182	ppbv #	81
26) Hexane	2.826	57	23936	1.130	ppbv #	1
27) Carbon Disulfide	2.150	76	35626	1.965	ppbv #	66
29) Chloroform	2.852	83	17081	0.522	ppbv	91
30) Cyclohexane	3.865	84	609	0.034	ppbv #	1
31) cis-1,2-Dichloroethene	2.839	61	16171	0.743	ppbv #	23
34) 2-Butanone	2.564	43	25565	0.804	ppbv	92
35) Carbon Tetrachloride	3.768	117	905	0.027	ppbv #	44
36) Benzene	3.661	78	12056	0.283	ppbv	93
39) 1,2-Dichloropropane	3.962	63	112739	7.177	ppbv #	21
53) Toluene	6.940	91	25827	0.565	ppbv	94
58) Ethyl Benzene	9.354	91	3961	0.064	ppbv	93
59) m/p-Xylene	9.552	91	2774	0.056	ppbv #	30
60) o-Xylene	9.966	91	3281	0.067	ppbv	84
61) Styrene	9.872	104	3300	0.160	ppbv #	87
66) Benzyl Chloride	11.546	91	6193	1.173	ppbv #	70
69) p-Isopropyltoluene	11.927	119	30916	0.414	ppbv	96
70) n-Butylbenzene	12.348	91	10225	0.142	ppbv #	86
74) 1,2,4-Trimethylbenzene	11.539	105	5095	0.097	ppbv #	85
76) 1,4-Dichlorobenzene	11.675	146	1657	0.046	ppbv #	77
79) Naphthalene	13.520	128	1422	0.459	ppbv #	93
80) Naphthalene,2-methyl-	14.520	142	21	1.129	ppbv #	1
81) 1,2,4-Trichlorobenzene	13.445	180	106	0.438	ppbv #	41

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Instrument :
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Quant Time: Aug 05 01:08:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :

MSVOA L

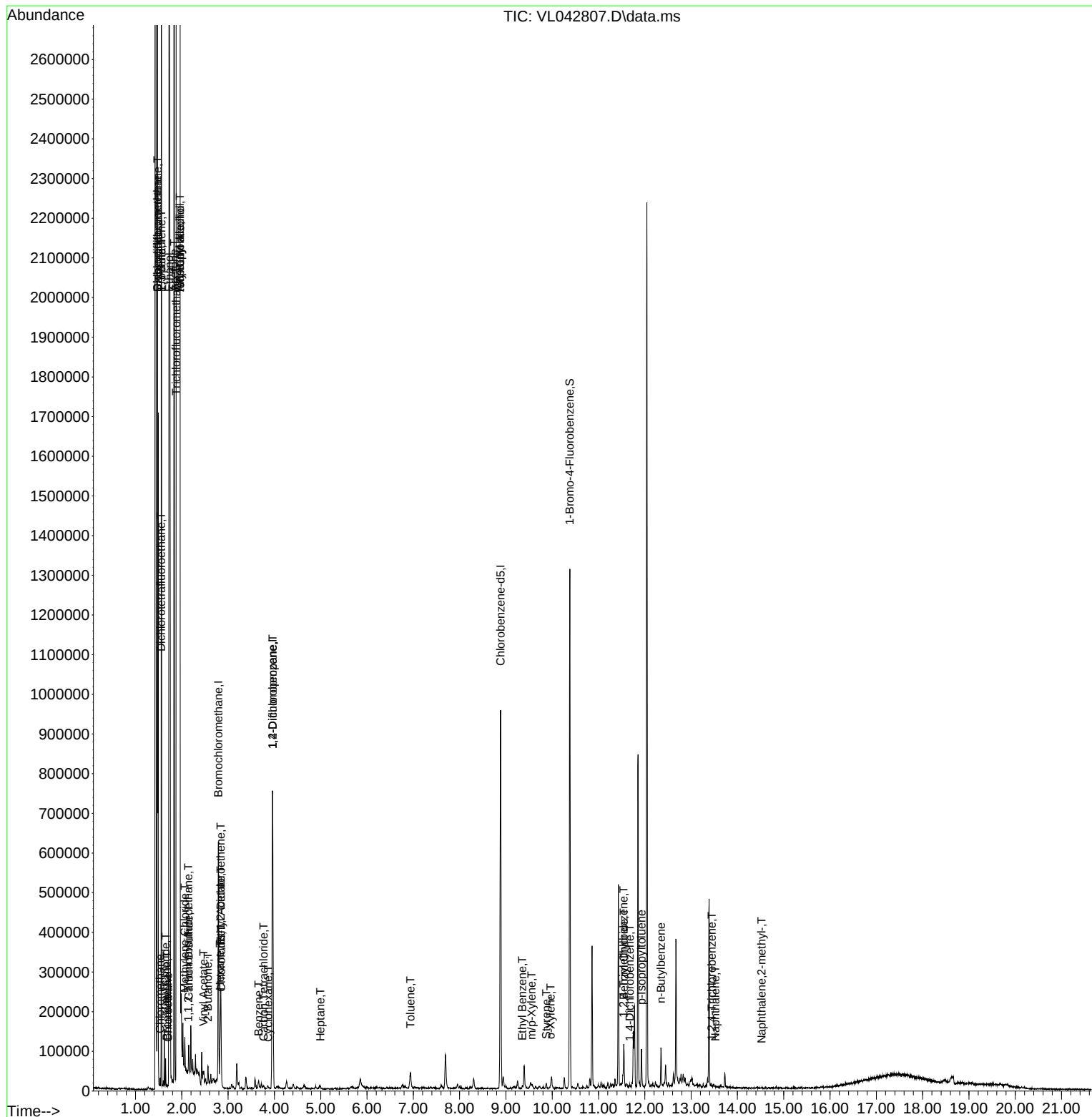
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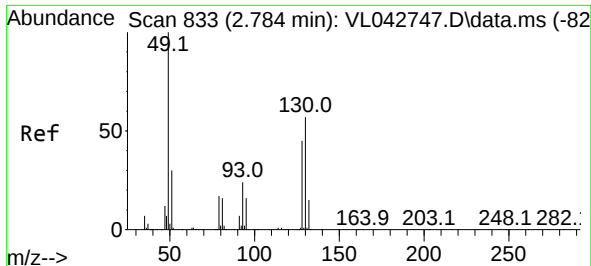
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

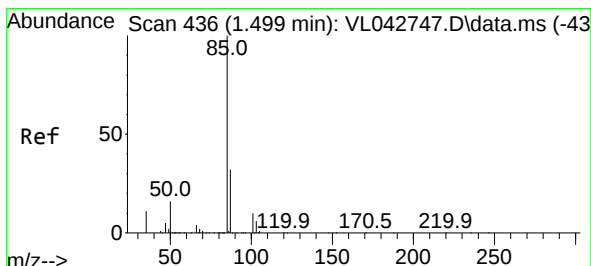
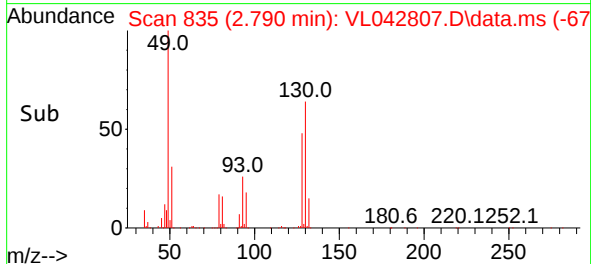
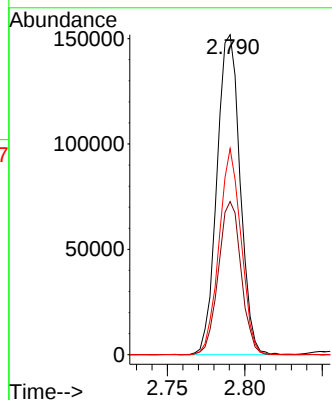
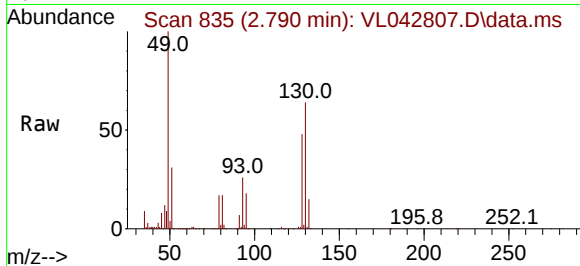




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

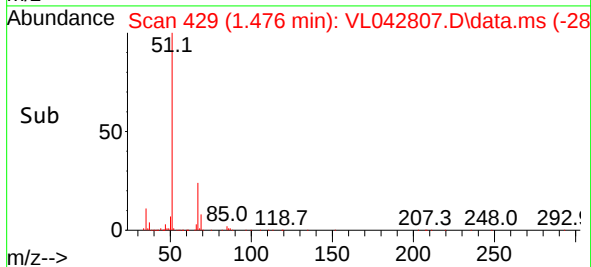
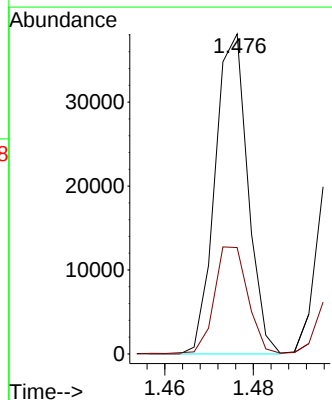
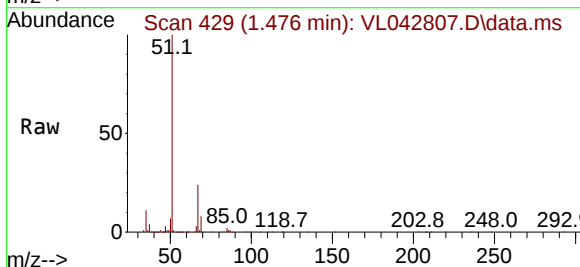
Instrument :
 MSVOA_L
 ClientSampleId :

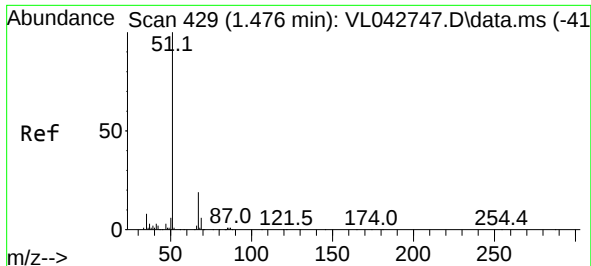
Tgt Ion: 49 Resp: 157969
 Ion Ratio Lower Upper
 49 100
 128 47.0 23.6 71.0
 130 61.1 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.938 ppbv
 RT: 1.476 min Scan# 429
 Delta R.T. -0.022 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion: 85 Resp: 19583
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.4 38.2

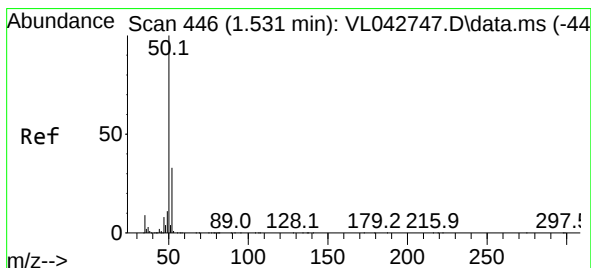
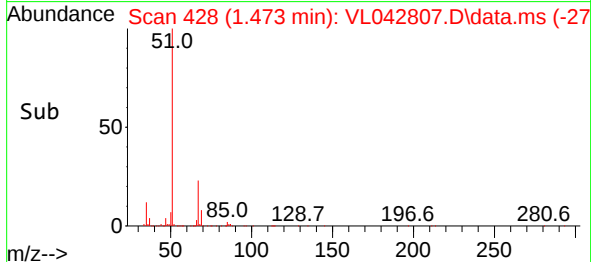
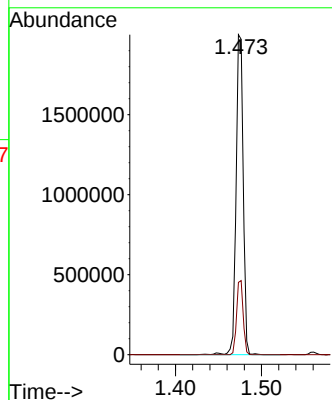
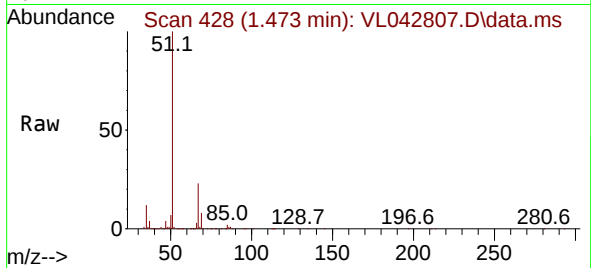




#3
Chlorodifluoromethane
Concen: 41.926 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

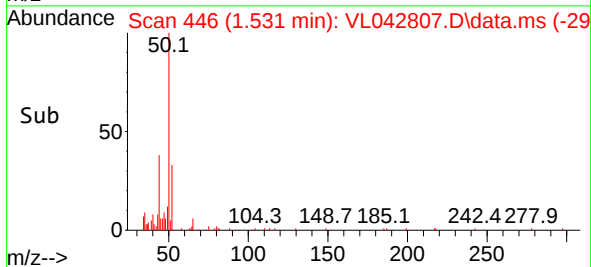
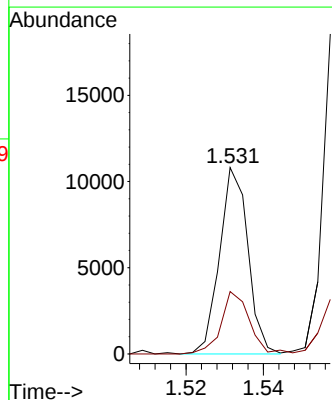
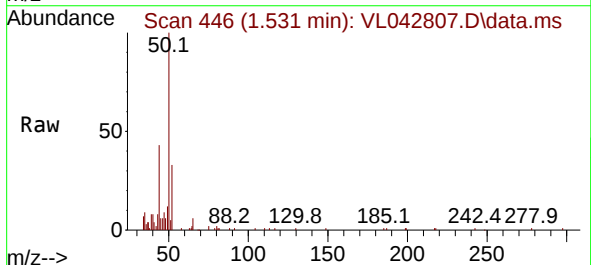
Instrument :
MSVOA_L
ClientSampleId :

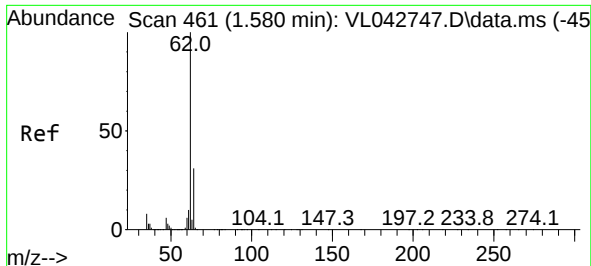
Tgt Ion: 51 Resp: 1140692
Ion Ratio Lower Upper
51 100
67 21.3 15.0 22.6



#4
Chloromethane
Concen: 0.652 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 50 Resp: 5508
Ion Ratio Lower Upper
50 100
52 33.7 26.6 40.0

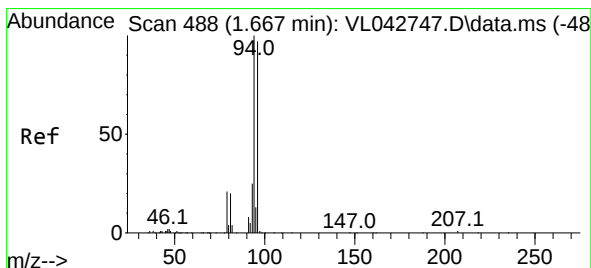
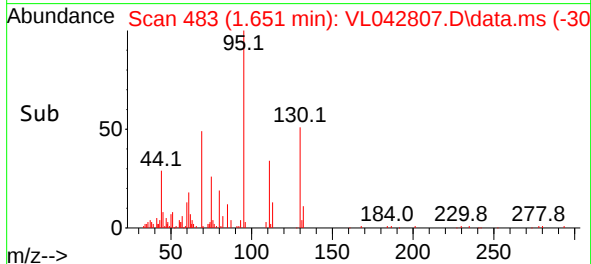
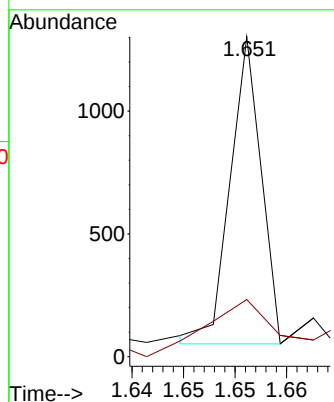
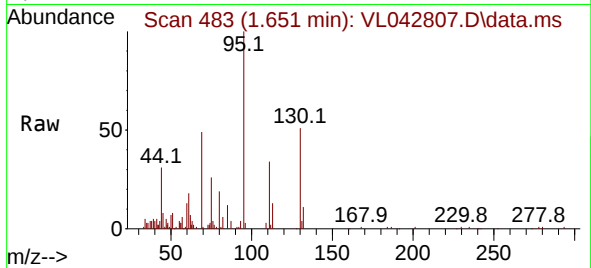




#5
 Vinyl Chloride
 Concen: 0.031 ppbv
 RT: 1.651 min Scan# 41
 Delta R.T. 0.071 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

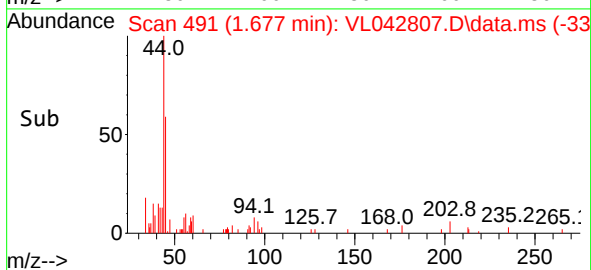
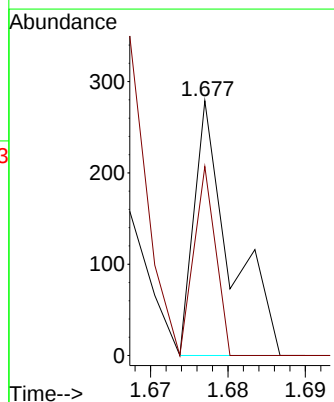
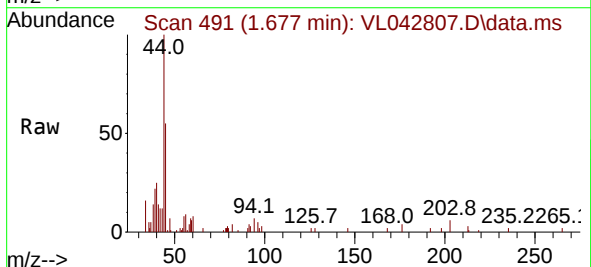
Instrument :
 MSVOA_L
 ClientSampleId :

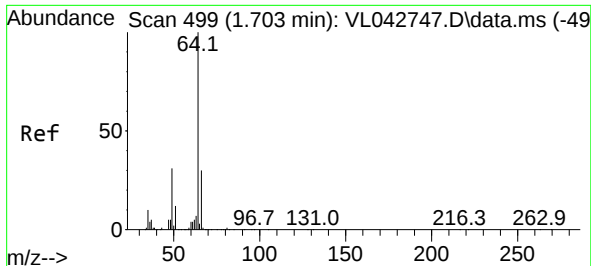
Tgt Ion: 62 Resp: 258
 Ion Ratio Lower Upper
 62 100
 64 13.5 24.5 36.7#



#6
 Bromomethane
 Concen: 0.028 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.010 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion: 94 Resp: 91
 Ion Ratio Lower Upper
 94 100
 96 74.2 77.6 116.4#

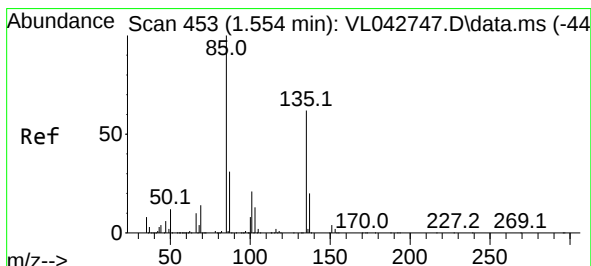
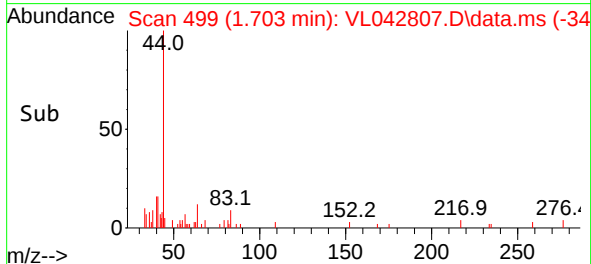
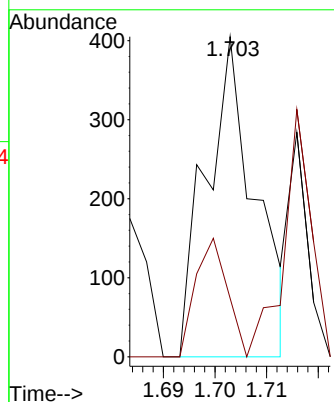
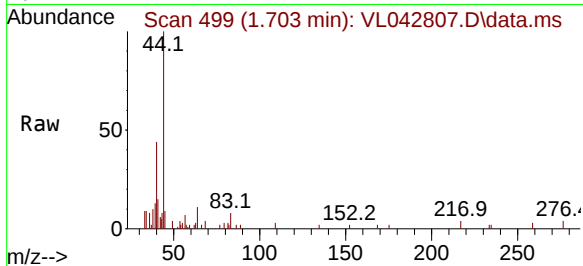




#7
Chloroethane
Concen: 0.082 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

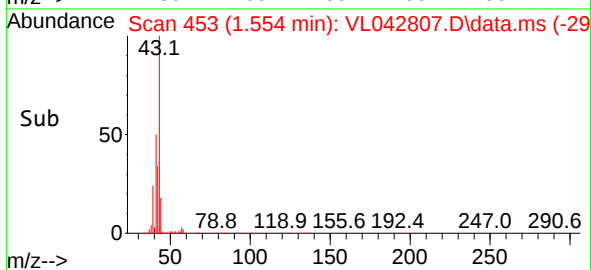
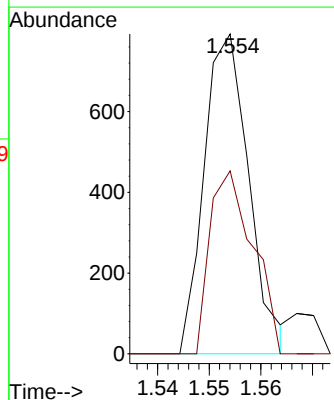
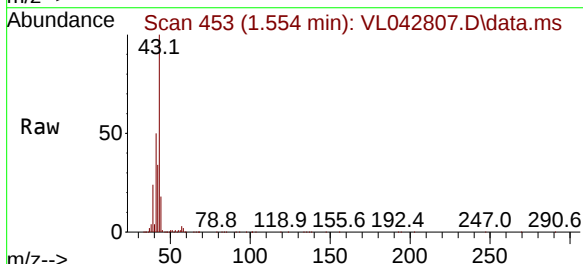
Instrument :
MSVOA_L
ClientSampleId :

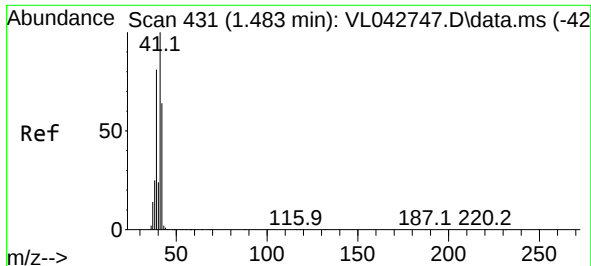
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 18.3 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 0.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 85 Resp: 476
Ion Ratio Lower Upper
85 100
135 55.3 50.6 76.0





#9

Propene

Concen: 46.155 ppbv

RT: 1.561 min Scan# 41

Delta R.T. 0.078 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Instrument :

MSVOA_L

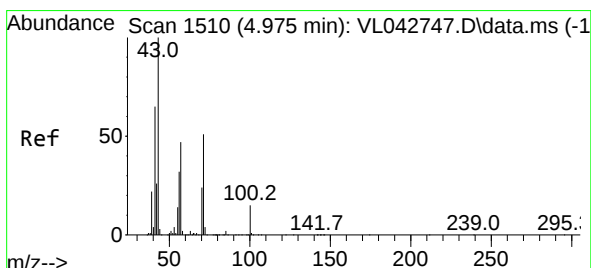
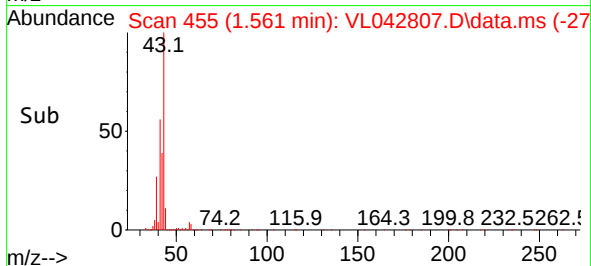
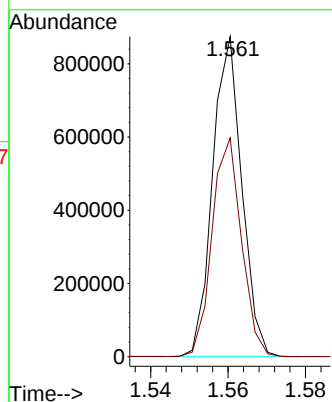
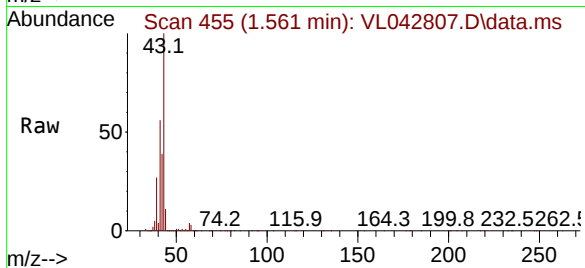
ClientSampleId :

Tgt Ion: 41 Resp: 456399

Ion Ratio Lower Upper

41 100

42 68.9 53.2 79.8



#10

Heptane

Concen: 0.064 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.016 min

Lab File: VL042807.D

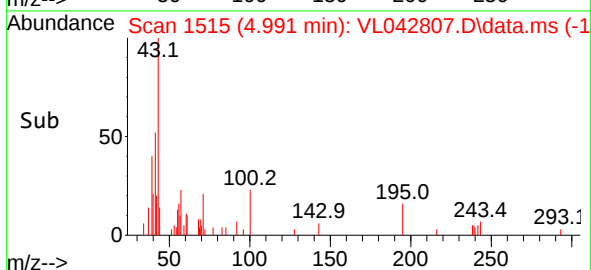
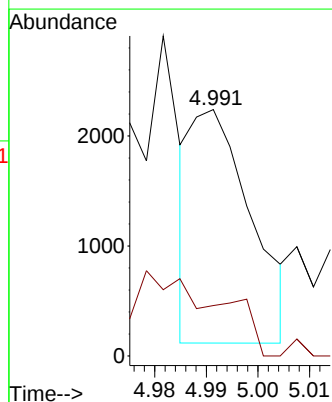
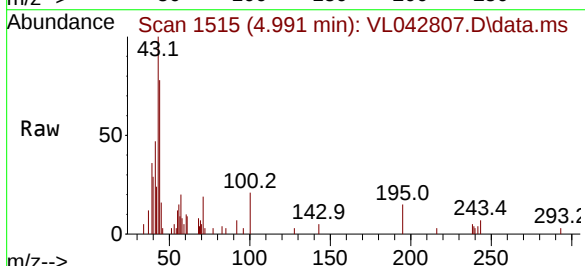
Acq: 04 Aug 2025 16:17

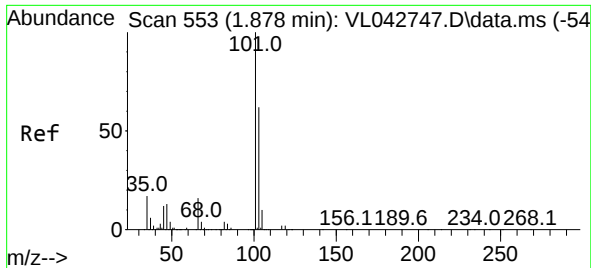
Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

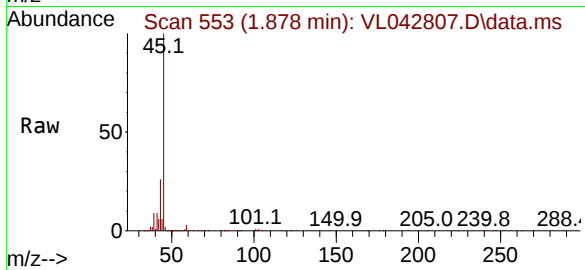
57 0.0 39.9 59.9#



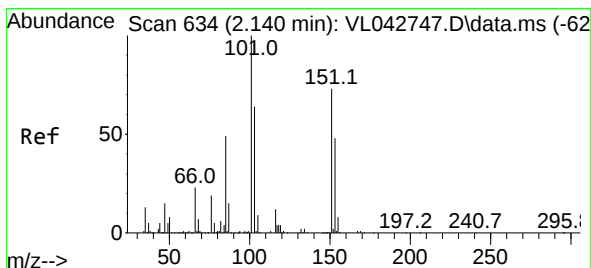
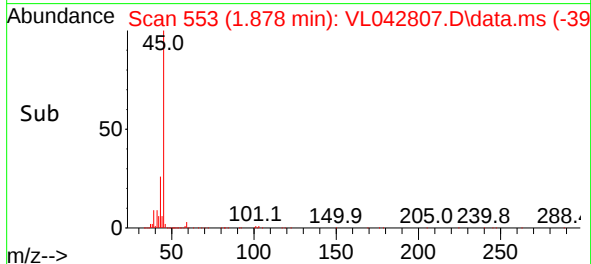
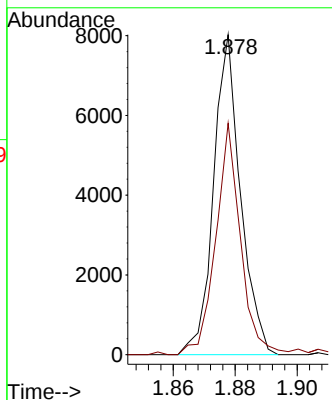


#11
 Trichlorofluoromethane
 Concen: 0.225 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Instrument :
 MSVOA_L
 ClientSampleId :

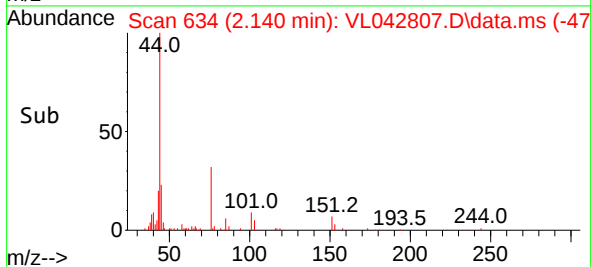
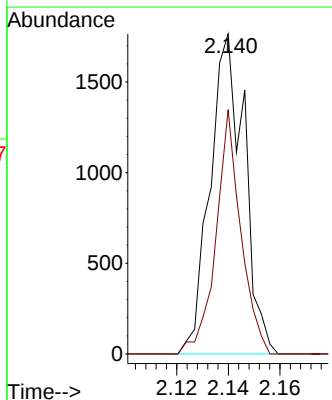
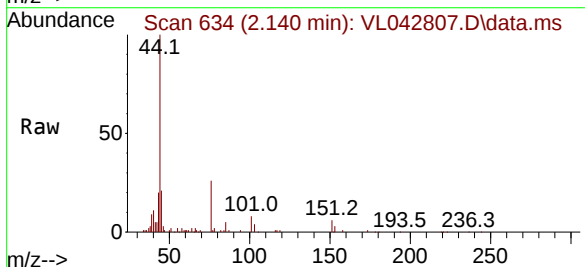


Tgt Ion:101 Resp: 4846
 Ion Ratio Lower Upper
 101 100
 103 72.3 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.100 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion:101 Resp: 1630
 Ion Ratio Lower Upper
 101 100
 151 55.3 60.5 90.7#

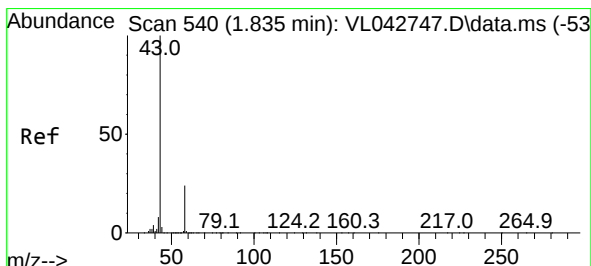
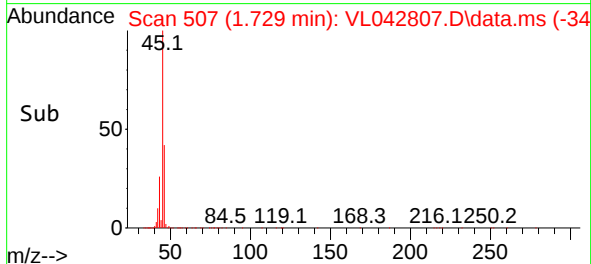
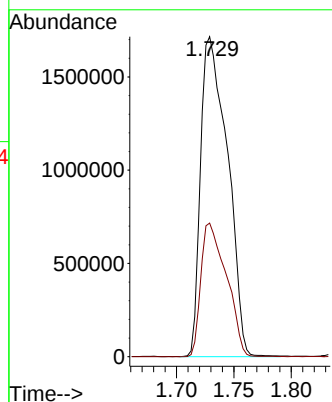
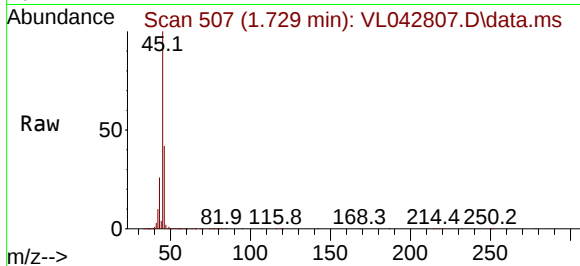




#13
 Ethanol
 Concen: 3883.569 ppbv
 RT: 1.729 min Scan# 50
 Delta R.T. 0.010 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

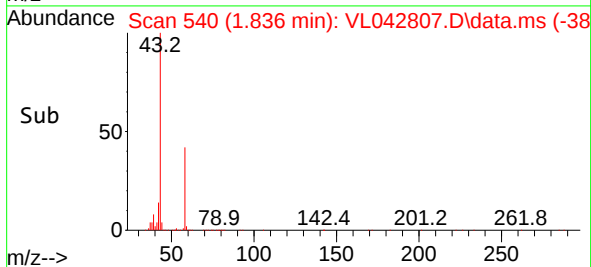
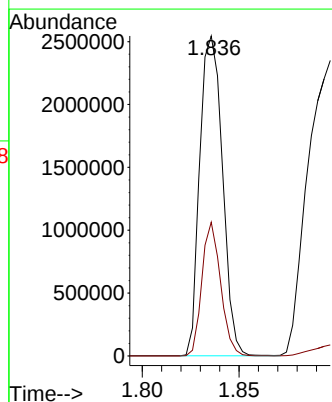
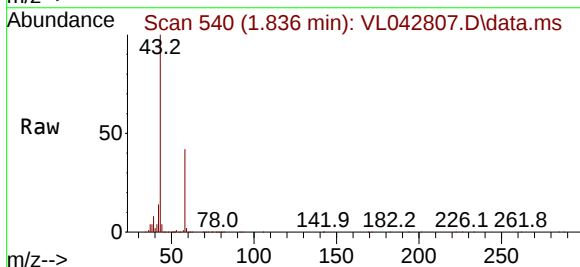
Instrument :
 MSVOA_L
 ClientSampleId :

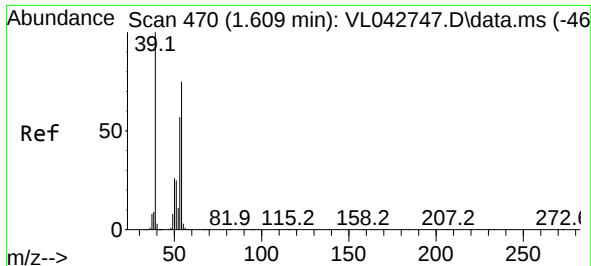
Tgt Ion: 45 Resp: 2797020
 Ion Ratio Lower Upper
 45 100
 46 39.8 17.8 71.4



#15
 Acetone
 Concen: 95.580 ppbv
 RT: 1.836 min Scan# 540
 Delta R.T. 0.000 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion: 43 Resp: 2084891
 Ion Ratio Lower Upper
 43 100
 58 34.5 19.8 29.8#

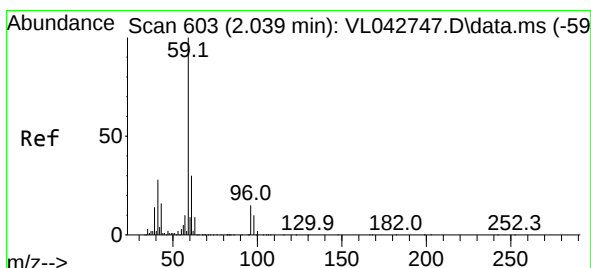
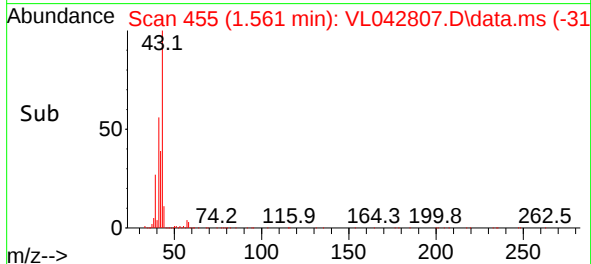
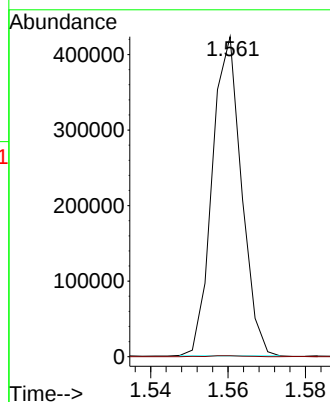
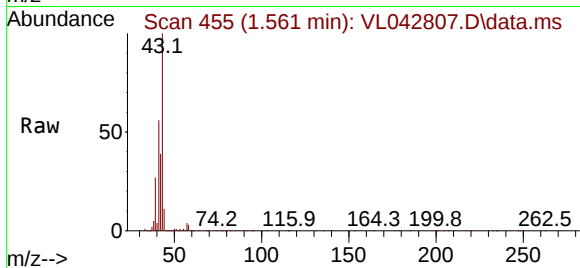




#16
1,3-Butadiene
Concen: 23.807 ppbv
RT: 1.561 min Scan# 41
Delta R.T. -0.048 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

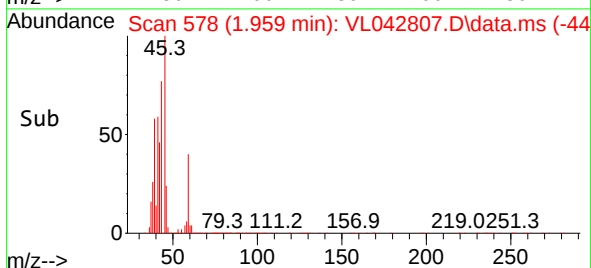
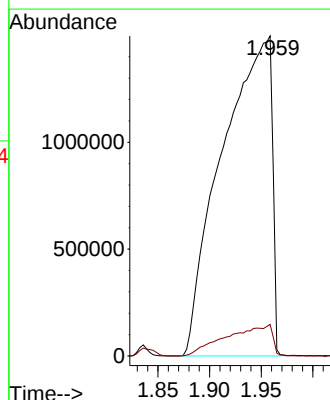
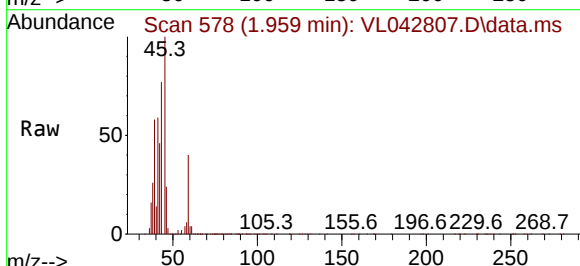
Instrument :
MSVOA_L
ClientSampleId :

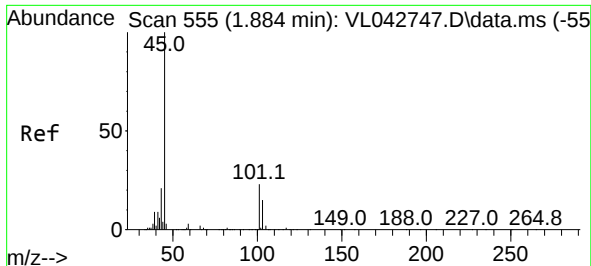
Tgt Ion: 39 Resp: 221503
Ion Ratio Lower Upper
39 100
54 0.5 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 254.876 ppbv
RT: 1.959 min Scan# 578
Delta R.T. -0.081 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 59 Resp: 5014205
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5

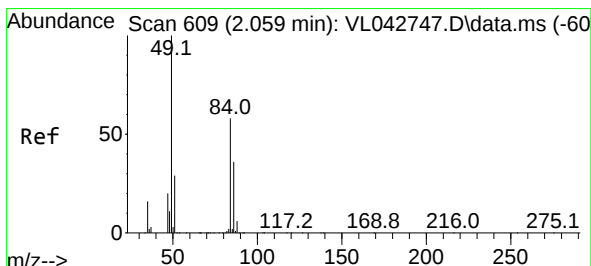
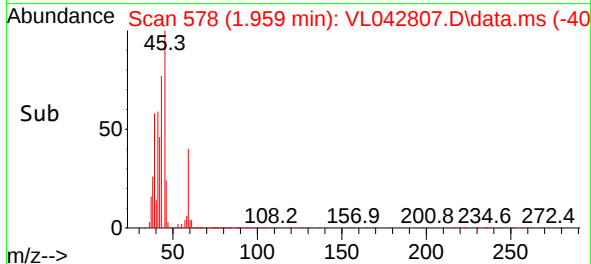
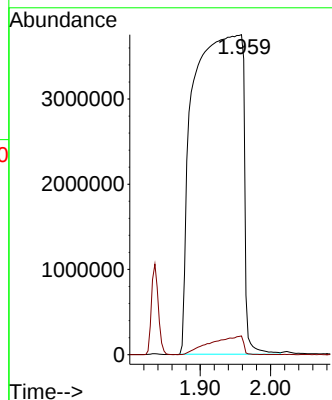
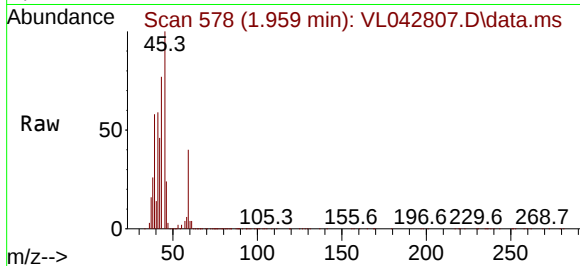




#19
Isopropyl Alcohol
Concen: 1568.534 ppbv
RT: 1.959 min Scan# 51
Delta R.T. 0.075 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

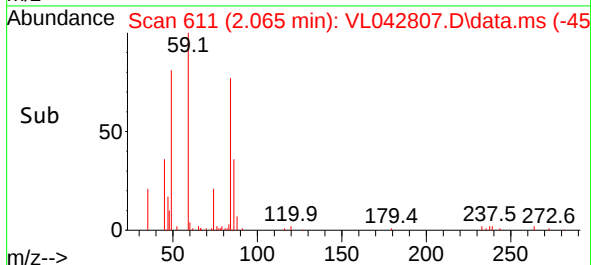
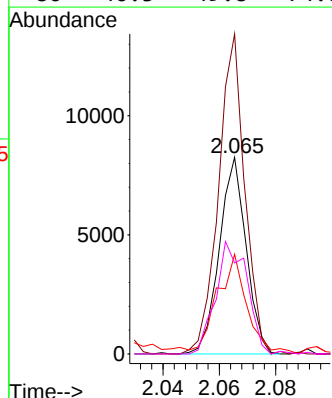
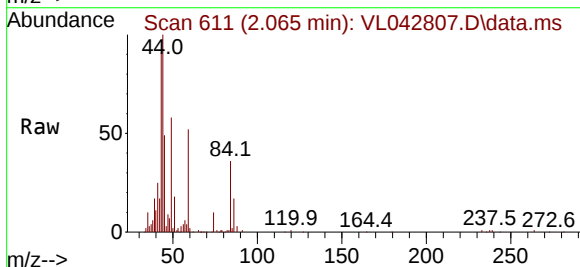
Instrument :
MSVOA_L
ClientSampleId :

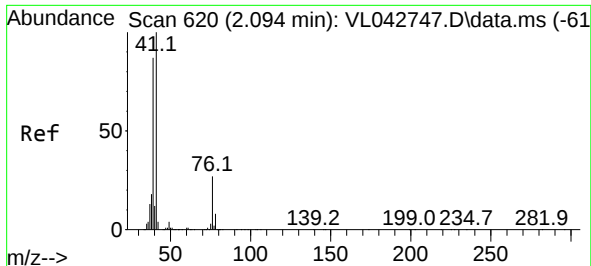
Tgt Ion: 45 Resp:18181997
Ion Ratio Lower Upper
45 100
58 3.9 30.0 45.0#



#20
Methylene Chloride
Concen: 0.796 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 84 Resp: 5475
Ion Ratio Lower Upper
84 100
49 162.8 138.6 208.0
51 48.0 40.6 61.0
86 46.3 49.8 74.8#

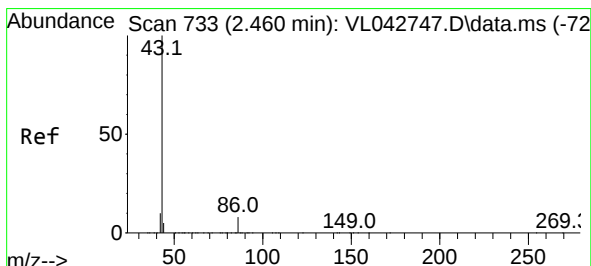
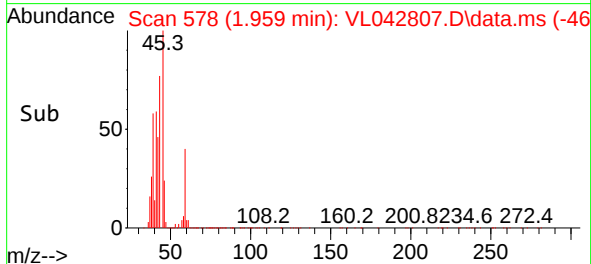
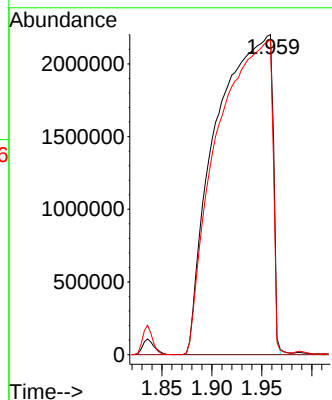
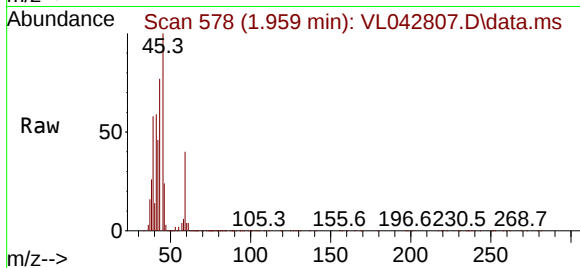




#21
 Allyl Chloride
 Concen: 636.669 ppbv
 RT: 1.959 min Scan# 51
 Delta R.T. -0.136 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

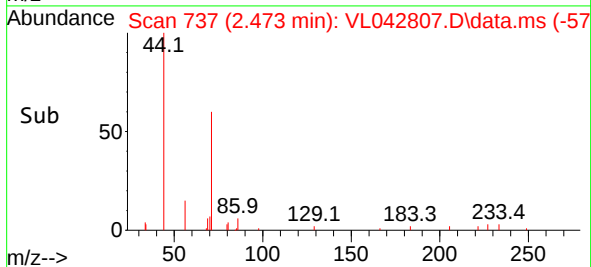
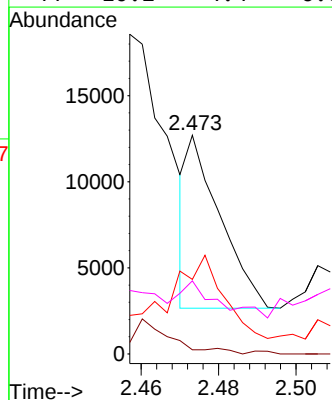
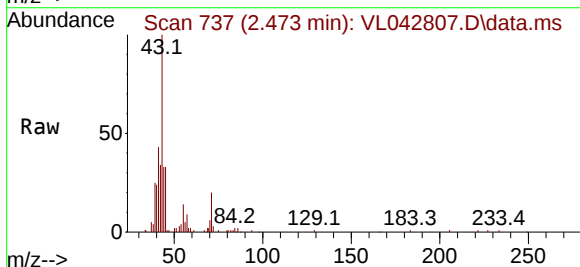
Instrument :
 MSVOA_L
 ClientSampleId :

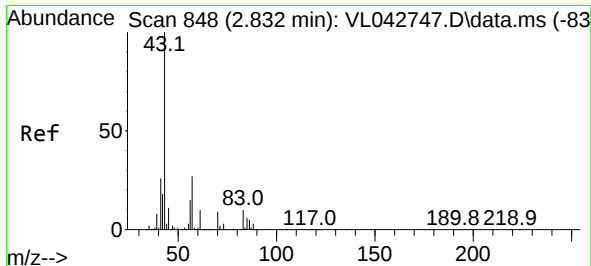
Tgt Ion: 41 Resp: 8559192
 Ion Ratio Lower Upper
 41 100
 76 0.4 21.1 31.7#
 39 96.3 68.3 102.5



#23
 Vinyl Acetate
 Concen: 0.225 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.013 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion: 43 Resp: 5957
 Ion Ratio Lower Upper
 43 100
 86 2.4 6.1 9.1#
 42 32.8 7.8 11.8#
 44 10.2 4.4 6.6#

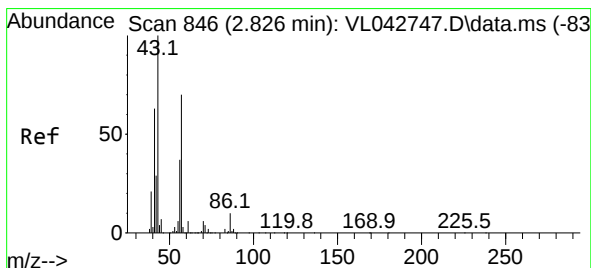
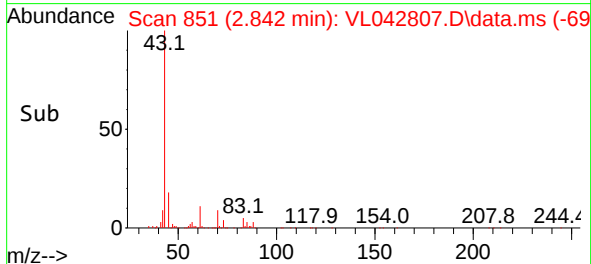
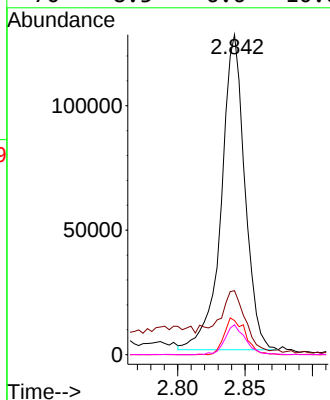
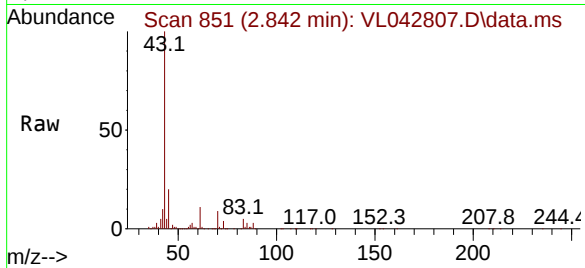




#25
Ethyl Acetate
Concen: 3.182 ppbv
RT: 2.842 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

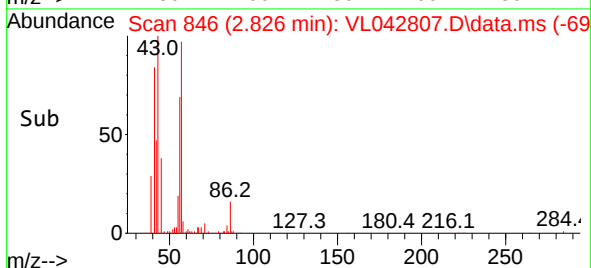
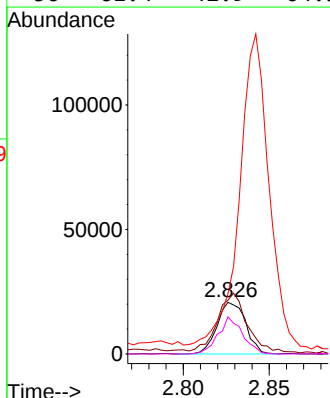
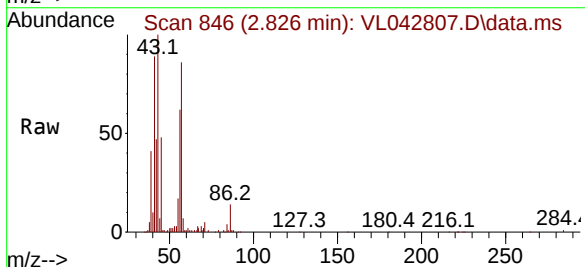
Instrument :
MSVOA_L
ClientSampleId :

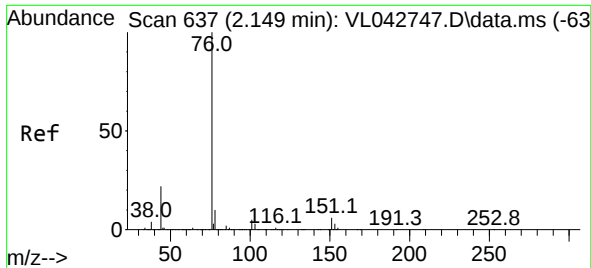
Tgt Ion: 43 Resp: 153653
Ion Ratio Lower Upper
43 100
45 26.3 7.8 11.6#
61 10.6 6.7 10.1#
70 8.3 6.6 10.0



#26
Hexane
Concen: 1.130 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 57 Resp: 23936
Ion Ratio Lower Upper
57 100
41 130.1 75.4 113.2#
43 701.5 185.0 277.6#
56 61.4 42.9 64.3

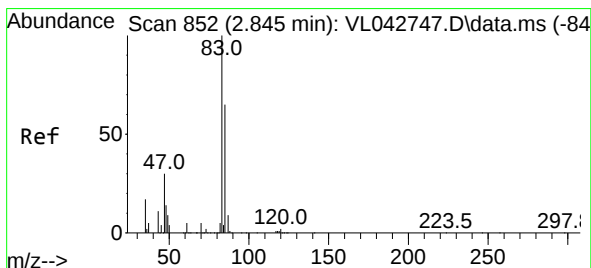
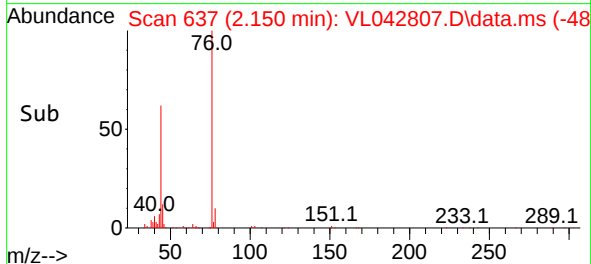
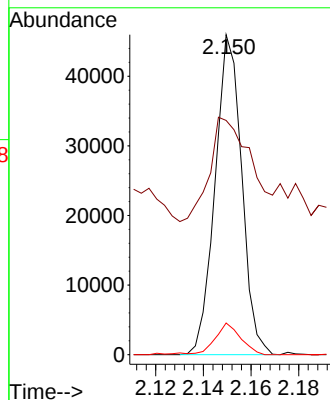
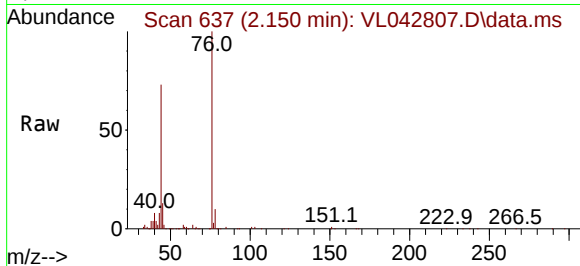




#27
Carbon Disulfide
Concen: 1.965 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

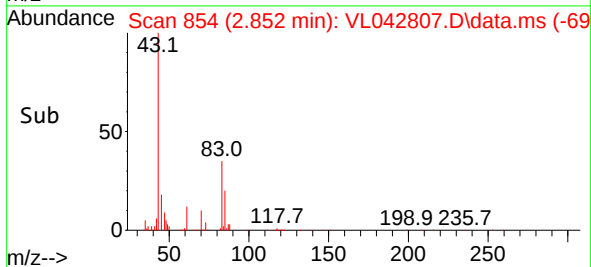
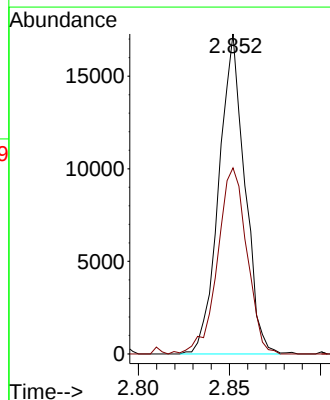
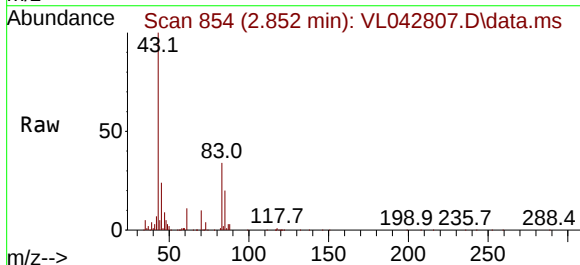
Instrument :
MSVOA_L
ClientSampleId :

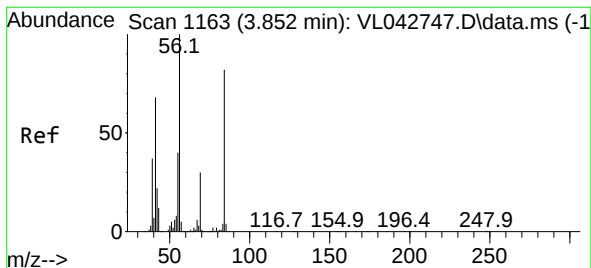
Tgt Ion: 76 Resp: 35626
Ion Ratio Lower Upper
76 100
44 0.0 19.3 28.9#
78 9.8 9.9 14.9#



#29
Chloroform
Concen: 0.522 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.007 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 83 Resp: 17081
Ion Ratio Lower Upper
83 100
85 58.1 52.2 78.2





#30

Cyclohexane

Concen: 0.034 ppbv

RT: 3.865 min Scan# 1163

Delta R.T. 0.013 min

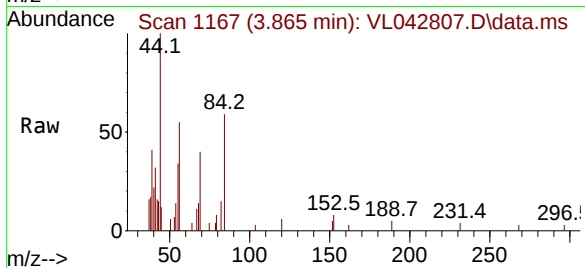
Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Instrument :

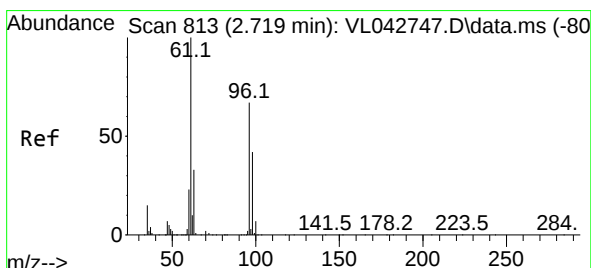
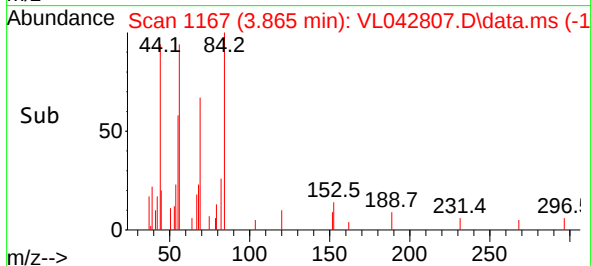
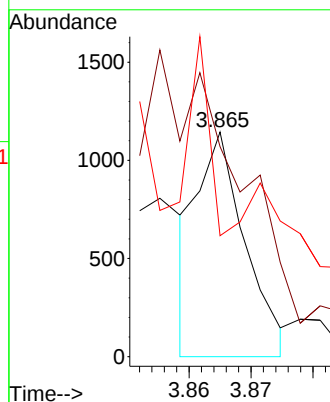
MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 609

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	435.5	67.2	100.8#



#31

cis-1,2-Dichloroethene

Concen: 0.743 ppbv

RT: 2.839 min Scan# 850

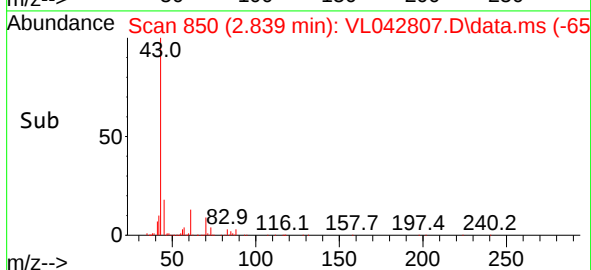
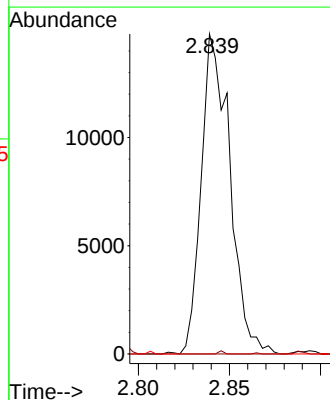
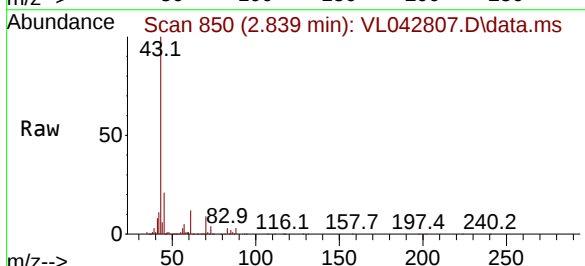
Delta R.T. 0.120 min

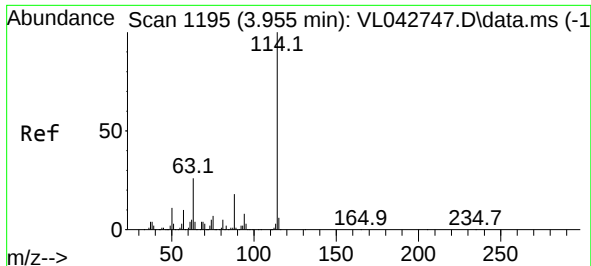
Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Tgt Ion: 61 Resp: 16171

Ion	Ratio	Lower	Upper
61	100		
96	0.0	53.5	80.3#
98	0.0	33.6	50.4#

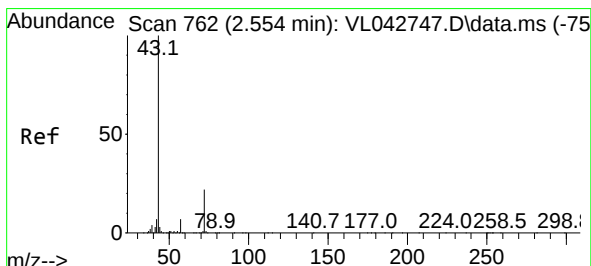
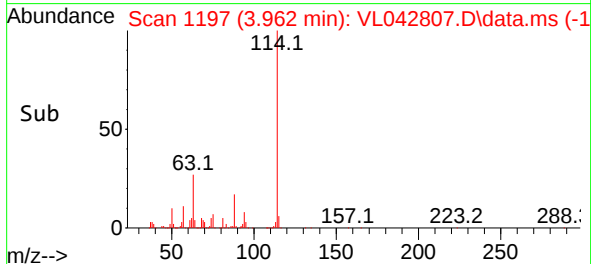
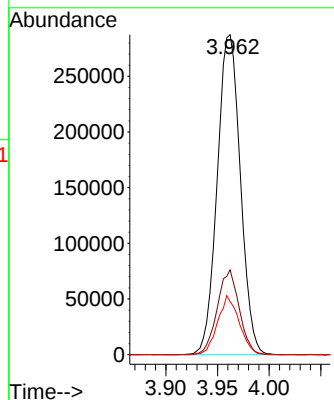
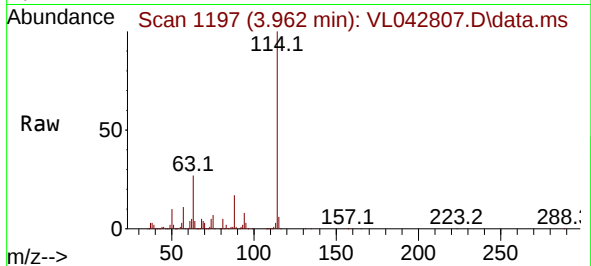




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.007 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

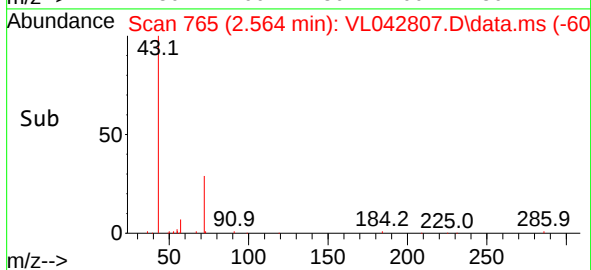
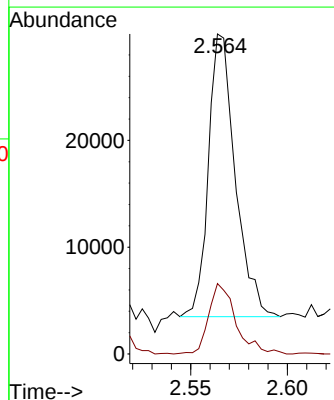
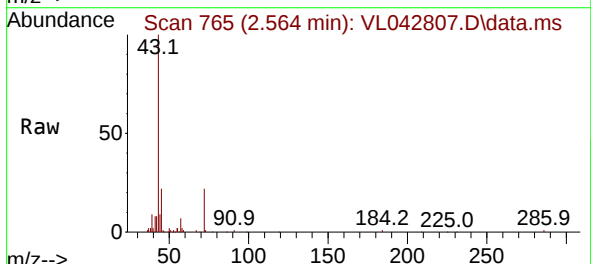
Instrument :
 MSVOA_L
 ClientSampleId :

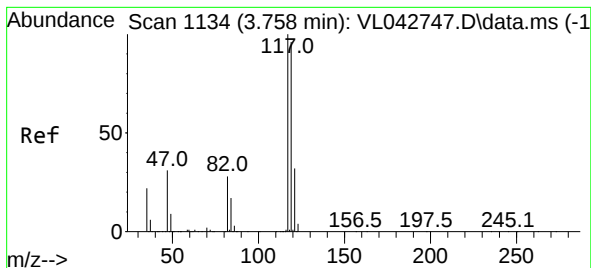
Tgt Ion:114 Resp: 449056
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.5 30.7
 88 17.1 14.0 21.0



#34
 2-Butanone
 Concen: 0.804 ppbv
 RT: 2.564 min Scan# 765
 Delta R.T. 0.010 min
 Lab File: VL042807.D
 Acq: 04 Aug 2025 16:17

Tgt Ion: 43 Resp: 25565
 Ion Ratio Lower Upper
 43 100
 72 25.4 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.027 ppbv

RT: 3.768 min Scan# 1134

Delta R.T. 0.010 min

Lab File: VL042807.D

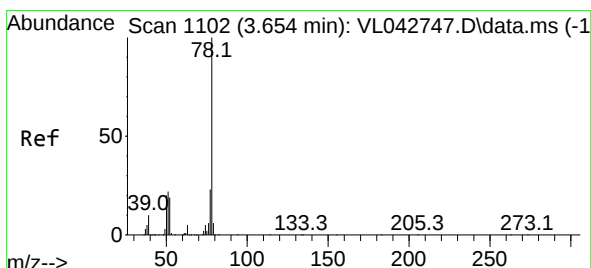
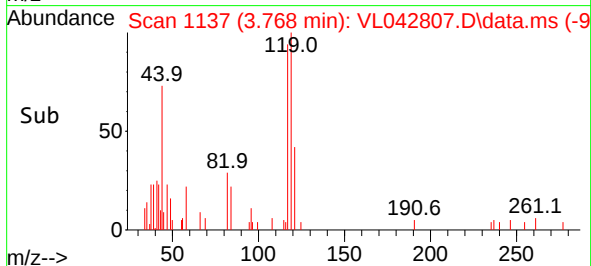
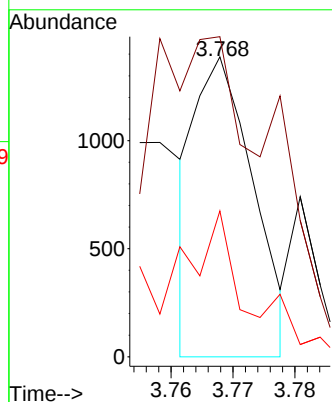
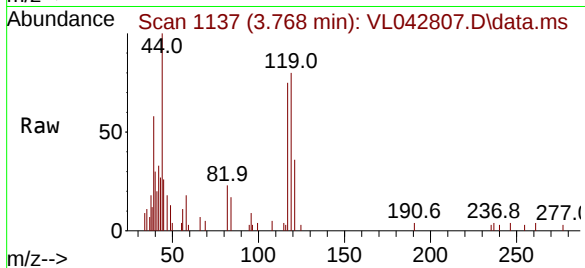
Acq: 04 Aug 2025 16:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:117	Resp:	905
Ion	Ratio	Lower Upper
117	100	
119	25.4	77.1 115.7#
121	35.8	25.5 38.3



#36

Benzene

Concen: 0.283 ppbv

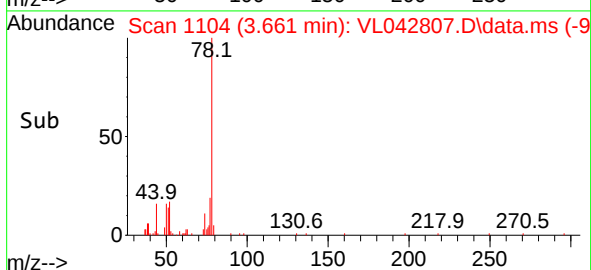
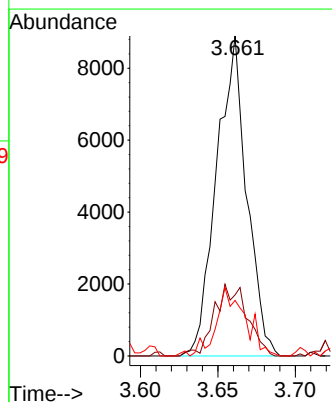
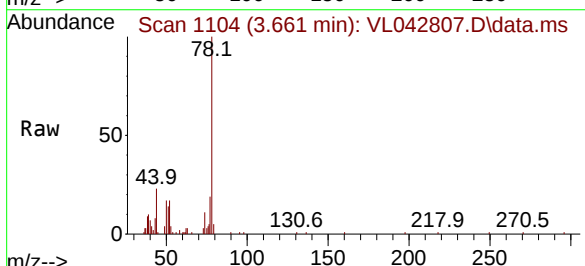
RT: 3.661 min Scan# 1104

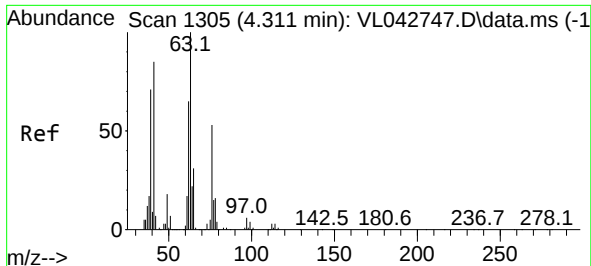
Delta R.T. 0.007 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Tgt Ion: 78	Resp:	12056
Ion	Ratio	Lower Upper
78	100	
77	19.1	18.5 27.7
50	17.3	16.2 24.2





#39

1,2-Dichloropropane

Concen: 7.177 ppbv

RT: 3.962 min Scan# 1117

Delta R.T. -0.349 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Instrument :

MSVOA_L

ClientSampleId :

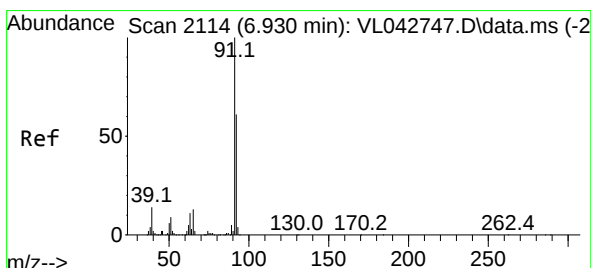
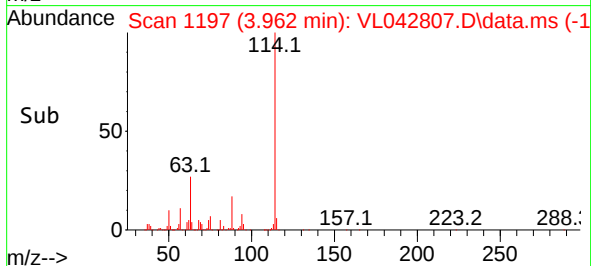
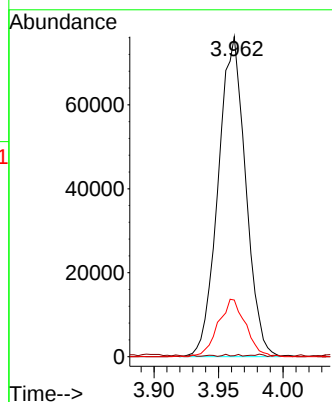
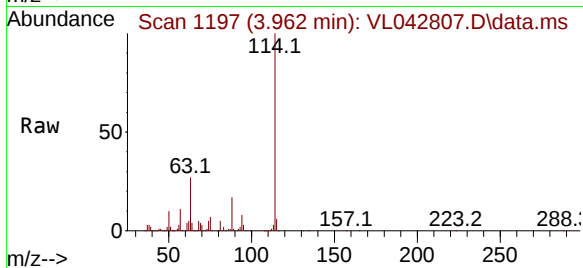
Tgt Ion: 63 Resp: 112739

Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 17.6 52.0 78.0#



#53

Toluene

Concen: 0.565 ppbv

RT: 6.940 min Scan# 2117

Delta R.T. 0.010 min

Lab File: VL042807.D

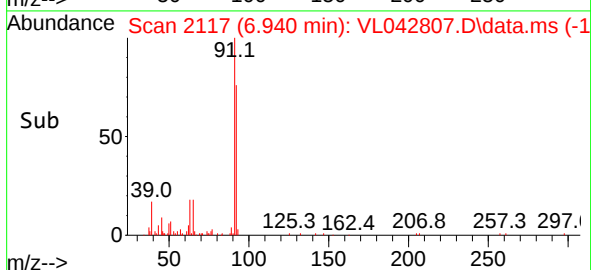
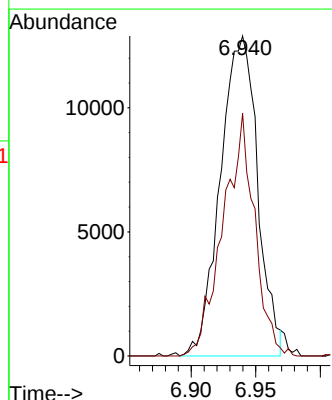
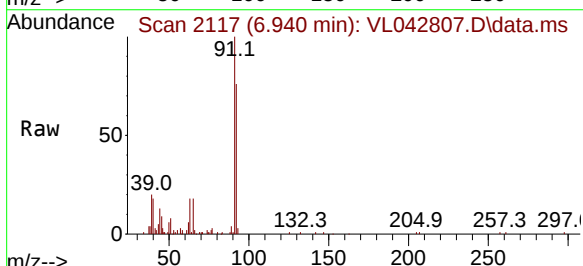
Acq: 04 Aug 2025 16:17

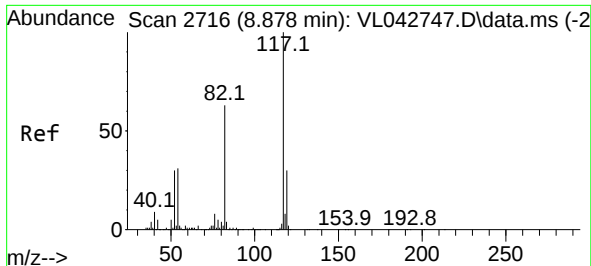
Tgt Ion: 91 Resp: 25827

Ion Ratio Lower Upper

91 100

92 64.6 48.0 72.0

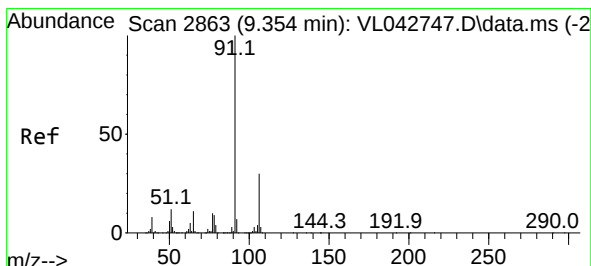
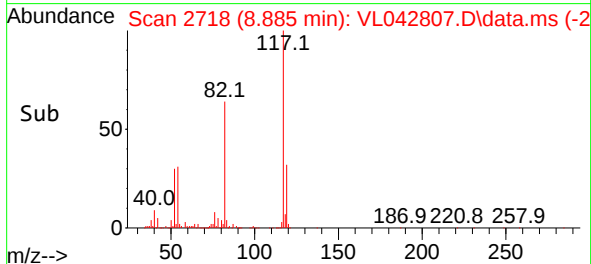
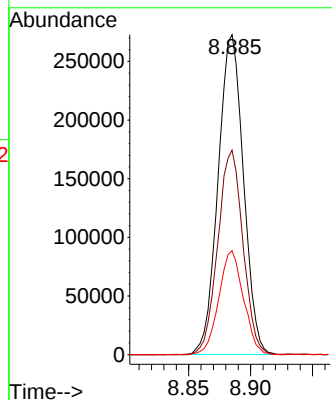
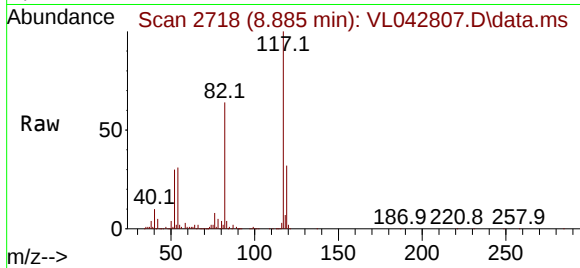




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

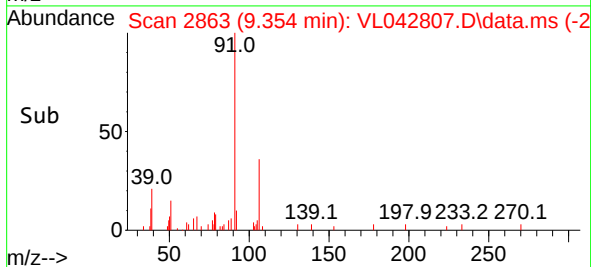
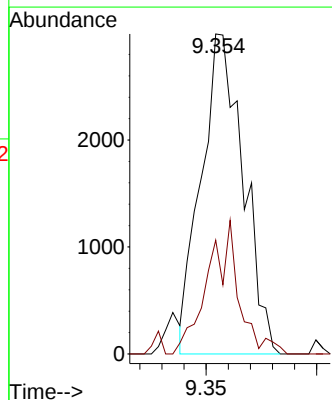
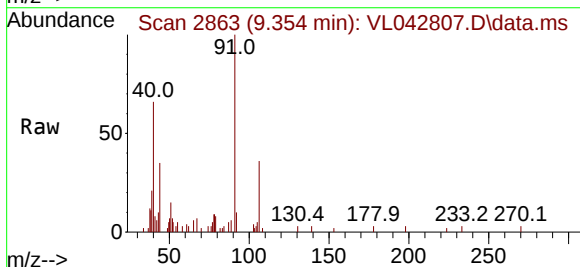
Instrument :
MSVOA_L
ClientSampleId :

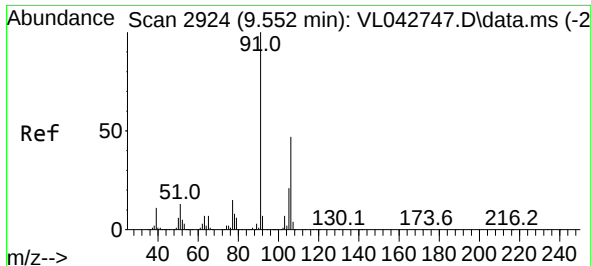
Tgt Ion:117 Resp: 389304
Ion Ratio Lower Upper
117 100
82 63.4 53.3 79.9
119 31.7 25.8 38.6



#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 91 Resp: 3961
Ion Ratio Lower Upper
91 100
106 33.4 23.8 35.6





#59

m/p-Xylene

Concen: 0.056 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Instrument :

MSVOA_L

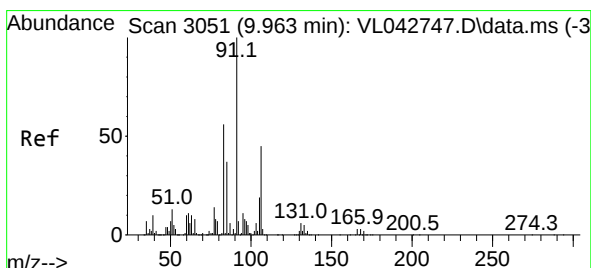
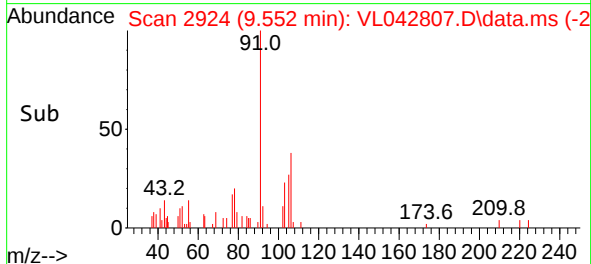
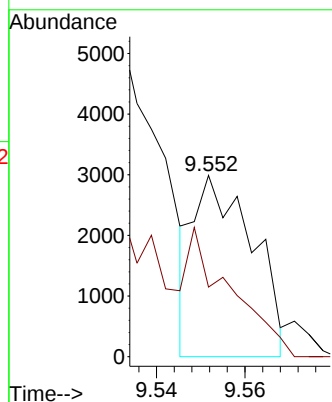
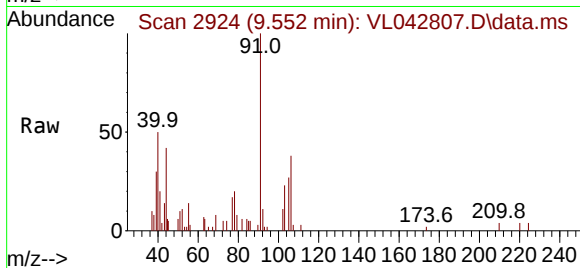
ClientSampleId :

Tgt Ion: 91 Resp: 2774

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.067 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042807.D

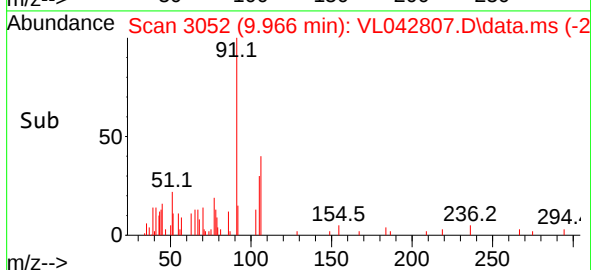
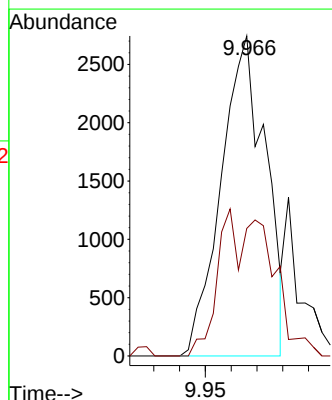
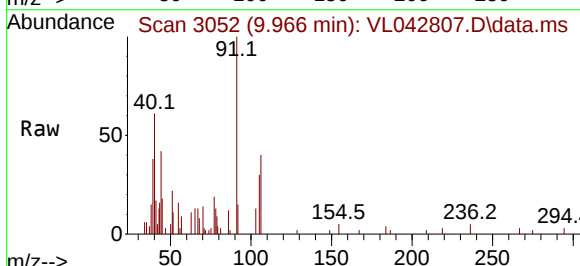
Acq: 04 Aug 2025 16:17

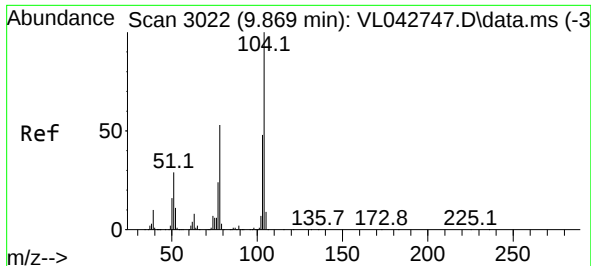
Tgt Ion: 91 Resp: 3281

Ion Ratio Lower Upper

91 100

106 54.6 22.0 66.0

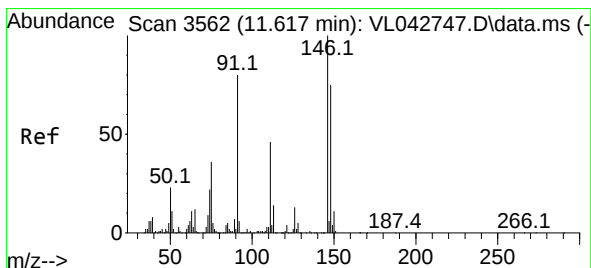
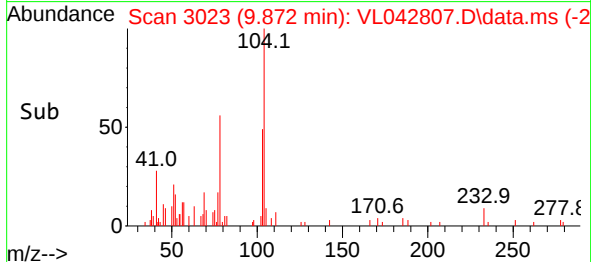
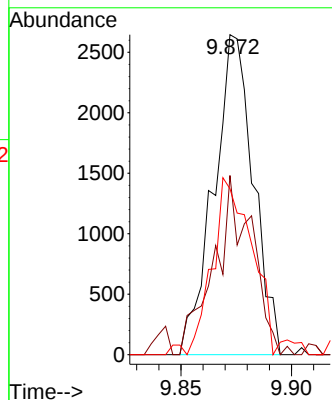
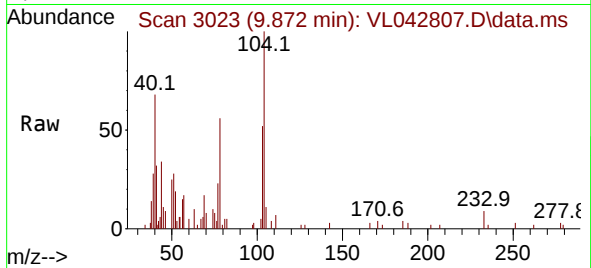




#61
Styrene
Concen: 0.160 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

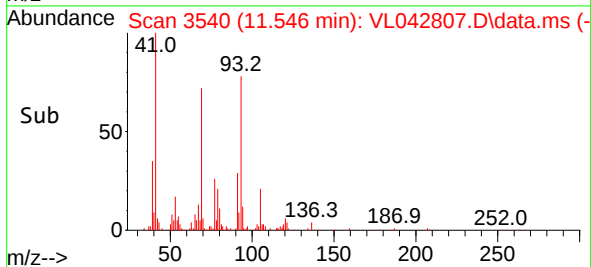
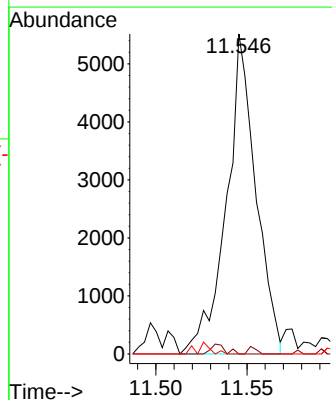
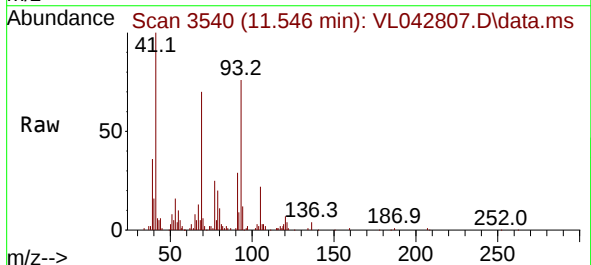
Instrument :
MSVOA_L
ClientSampleId :

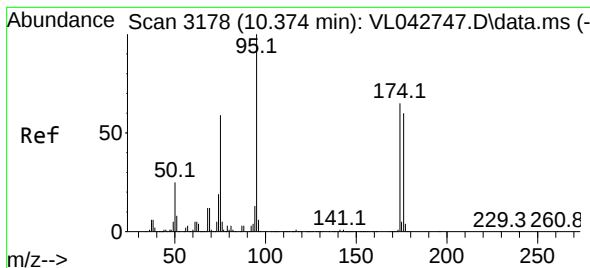
Tgt Ion:104 Resp: 3300
Ion Ratio Lower Upper
104 100
78 57.8 41.5 62.3
103 58.7 37.5 56.3#



#66
Benzyl Chloride
Concen: 1.173 ppbv
RT: 11.546 min Scan# 3540
Delta R.T. -0.071 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 91 Resp: 6193
Ion Ratio Lower Upper
91 100
126 2.1 14.4 21.6#
128 1.8 5.2 7.8#

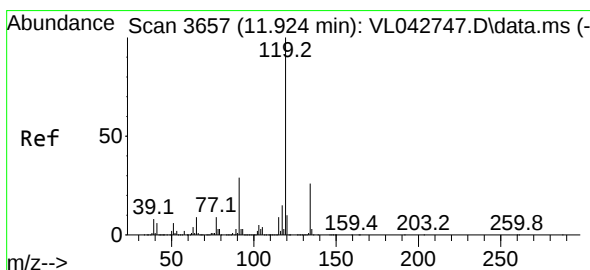
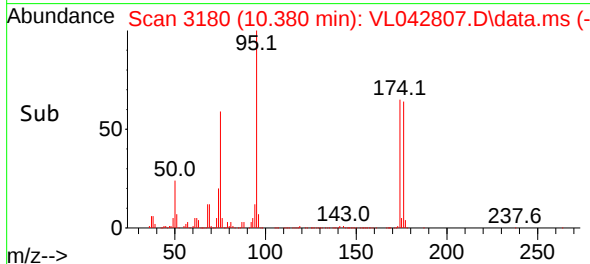
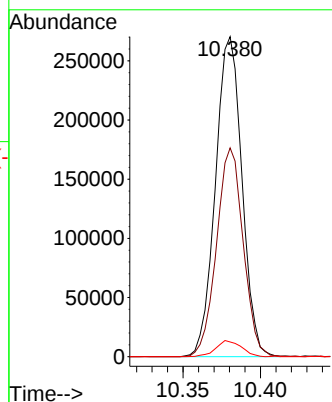
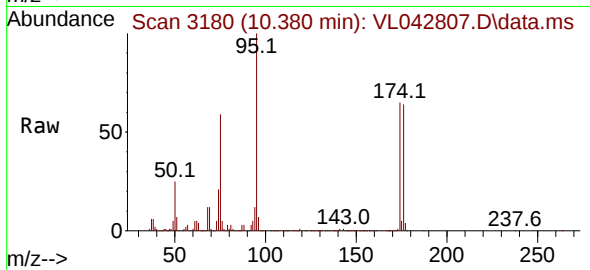




#68
1-Bromo-4-Fluorobenzene
Concen: 10.438 ppbv
RT: 10.380 min Scan# 3178
Delta R.T. 0.007 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

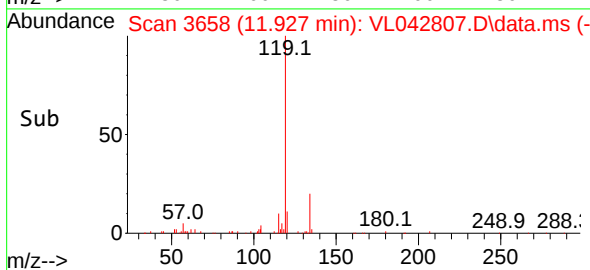
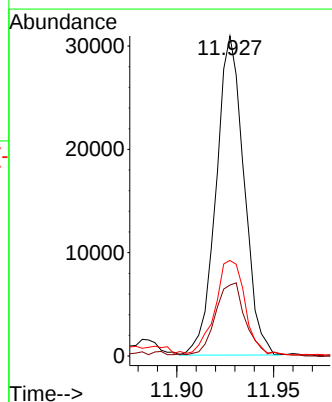
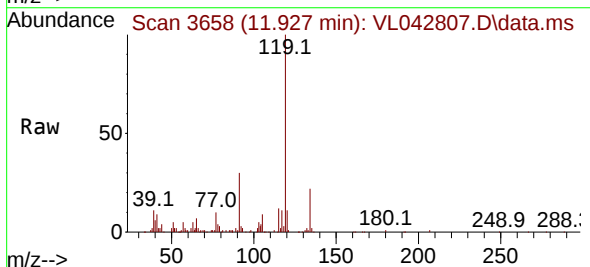
Instrument :
MSVOA_L
ClientSampleId :

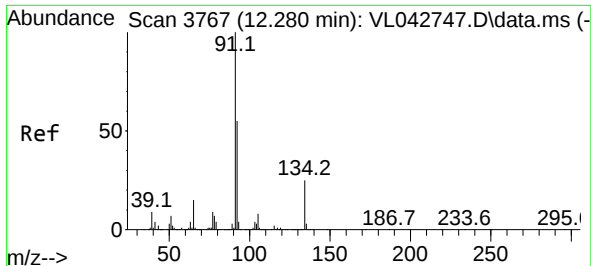
Tgt Ion: 95 Resp: 321819
Ion Ratio Lower Upper
95 100
174 65.7 53.8 80.6
175 4.9 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.414 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

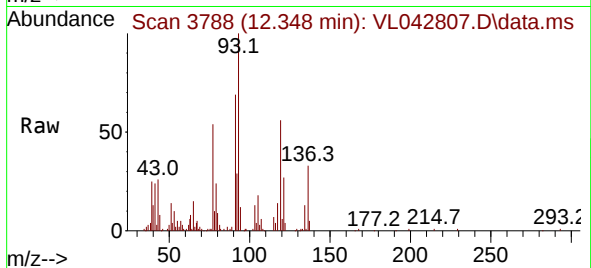
Tgt Ion: 119 Resp: 30916
Ion Ratio Lower Upper
119 100
134 25.2 20.6 31.0
91 32.9 23.2 34.8



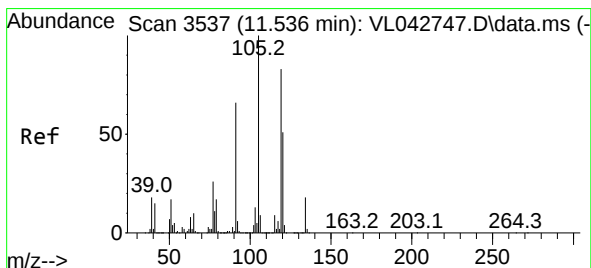
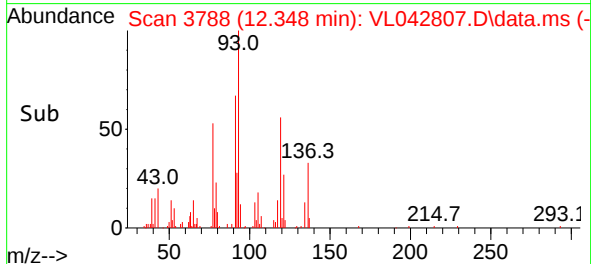
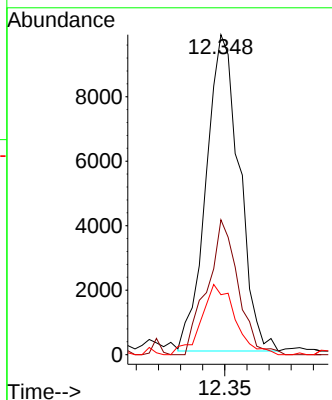


#70
n-Butylbenzene
Concen: 0.142 ppbv
RT: 12.348 min Scan# 31
Delta R.T. 0.068 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :

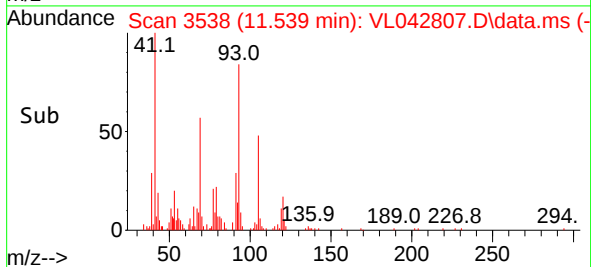
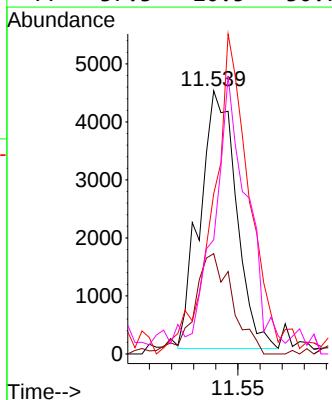
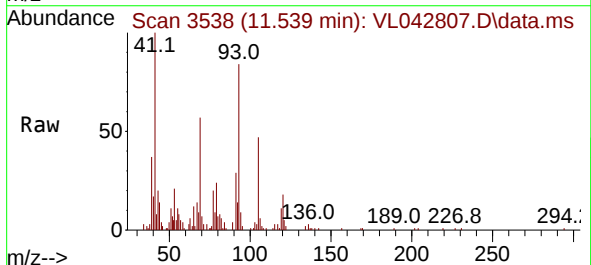


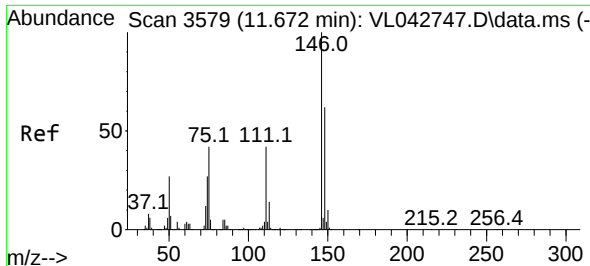
Tgt Ion: 91 Resp: 10225
Ion Ratio Lower Upper
91 100
92 40.9 43.4 65.2#
134 22.6 19.6 29.4



#74
1,2,4-Trimethylbenzene
Concen: 0.097 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion: 105 Resp: 5095
Ion Ratio Lower Upper
105 100
120 38.9 40.8 61.2#
91 57.6 53.0 79.4
77 37.3 20.5 30.7#

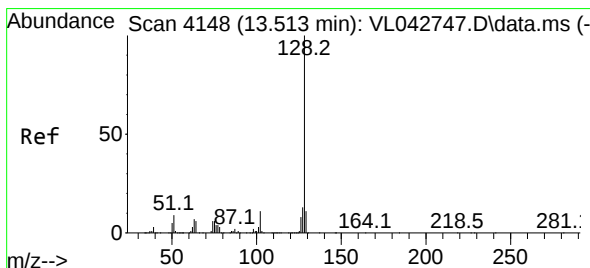
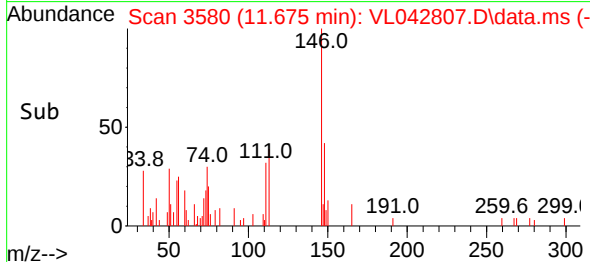
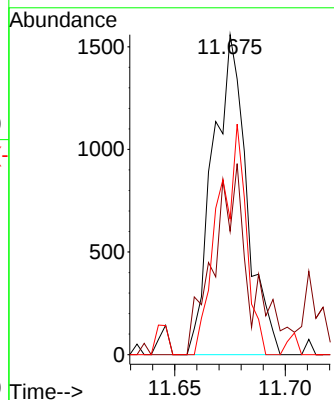
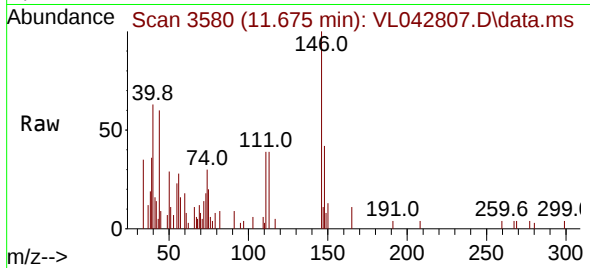




#76
1,4-Dichlorobenzene
Concen: 0.046 ppbv
RT: 11.675 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

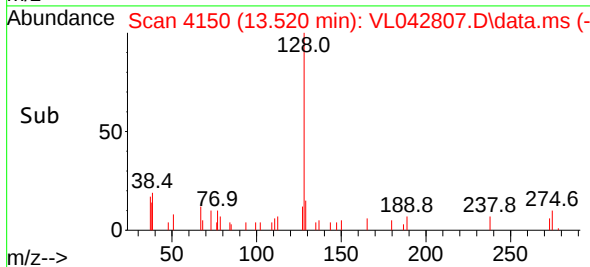
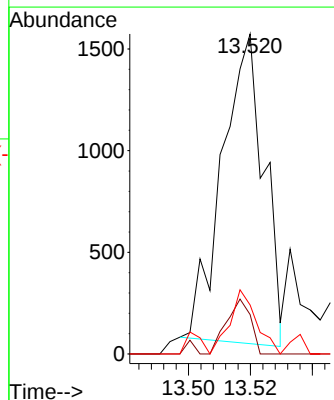
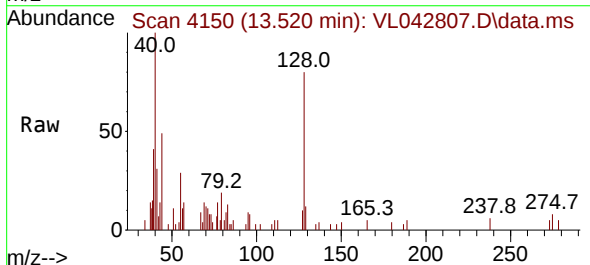
Instrument :
MSVOA_L
ClientSampleId :

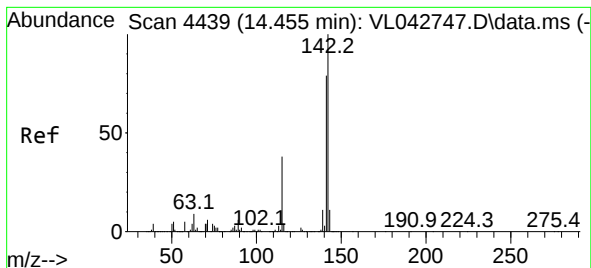
Tgt Ion:146 Resp: 1657
Ion Ratio Lower Upper
146 100
111 79.0 21.4 64.2#
148 64.2 32.1 96.3



#79
Naphthalene
Concen: 0.459 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL042807.D
Acq: 04 Aug 2025 16:17

Tgt Ion:128 Resp: 1422
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 16.2 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.129 ppbv

RT: 14.520 min Scan# 4439

Delta R.T. 0.065 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Instrument :

MSVOA_L

ClientSampleId :

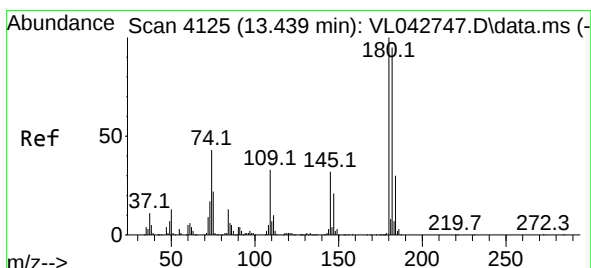
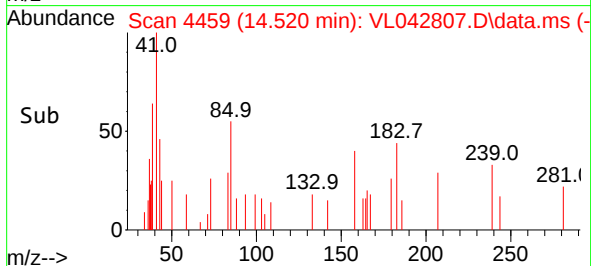
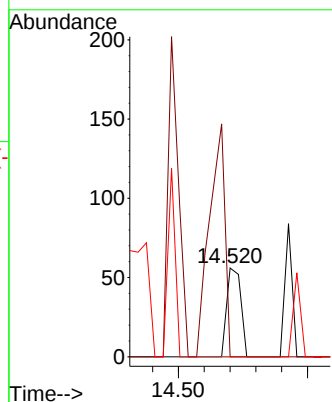
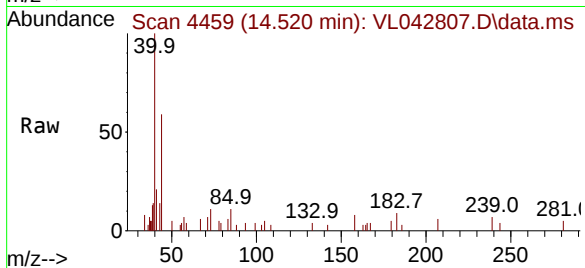
Tgt Ion:142 Resp: 21

Ion Ratio Lower Upper

142 100

141 566.7 65.8 98.8#

115 300.0 31.2 46.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.438 ppbv

RT: 13.445 min Scan# 4127

Delta R.T. 0.007 min

Lab File: VL042807.D

Acq: 04 Aug 2025 16:17

Tgt Ion:180 Resp: 106

Ion Ratio Lower Upper

180 100

182 152.8 76.2 114.2#

184 0.0 24.8 37.2#

