

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042727.D
 Acq On : 22 Jul 2025 11:12
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 01:48:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	99406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	304859	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	266446	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	209962	9.750	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	1836	0.118	ppbv	98
3) Chlorodifluoromethane	1.479	51	2014	0.115	ppbv	98
4) Chloromethane	1.534	50	819	0.129	ppbv #	88
5) Vinyl Chloride	1.583	62	642	0.102	ppbv #	73
6) Bromomethane	1.670	94	222	0.087	ppbv #	68
7) Chloroethane	1.706	64	405	0.170	ppbv #	64
8) Dichlorotetrafluoroethane	1.554	85	1350	0.103	ppbv	99
9) Propene	1.483	41	810	0.130	ppbv #	71
10) Heptane	4.981	43	538	0.031	ppbv #	28
11) Trichlorofluoromethane	1.877	101	2037	0.128	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	1368	0.109	ppbv	86
13) Ethanol	1.890	45	1576	1.569	ppbv #	35
14) Bromoethene	1.784	108	582	0.131	ppbv #	66
15) Acetone	1.839	43	2782	0.167	ppbv #	76
16) 1,3-Butadiene	1.612	39	589	0.083	ppbv #	1
17) tert-Butyl alcohol	2.049	59	1036	0.066	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	596	0.112	ppbv	96
19) Isopropyl Alcohol	1.890	45	1576	0.179	ppbv #	41
20) Methylene Chloride	2.062	84	1513	0.289	ppbv #	93
21) Allyl Chloride	2.094	41	1478	0.139	ppbv #	71
22) trans-1,2-Dichloroethene	2.340	96	834	0.136	ppbv	97
23) Vinyl Acetate	2.463	43	2937	0.155	ppbv #	61
24) 1,1-Dichloroethane	2.412	63	1376	0.113	ppbv #	82
25) Ethyl Acetate	2.839	43	1193	0.039	ppbv #	56
26) Hexane	2.826	57	726	0.054	ppbv #	1
27) Carbon Disulfide	2.156	76	1796	0.125	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	916	0.117	ppbv #	39
29) Chloroform	2.852	83	2798	0.126	ppbv	92
30) Cyclohexane	3.862	84	822	0.070	ppbv #	1
31) cis-1,2-Dichloroethene	2.340	61	1499	0.103	ppbv	90
32) 1,1,1-Trichloroethane	3.370	97	2174	0.093	ppbv #	69
34) 2-Butanone	2.567	43	2511	0.120	ppbv	98
35) Carbon Tetrachloride	3.764	117	1251	0.050	ppbv #	56
36) Benzene	3.664	78	1195	0.042	ppbv	97
37) 1,2-Dichloroethane	3.217	62	2023	0.112	ppbv	97
38) Trichloroethene	4.554	130	549	0.040	ppbv #	24
39) 1,2-Dichloropropane	3.959	63	78027	7.399	ppbv #	22
40) 1,4-Dioxane	4.609	88	293	0.060	ppbv #	53
41) Tetrahydrofuran	3.052	42	57	0.005	ppbv #	36
42) Bromodichloromethane	4.489	83	1724	0.073	ppbv #	75
43) Methyl Methacrylate	4.881	69	340	0.031	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	4033	0.086	ppbv #	62
45) t-1,3-Dichloropropene	6.418	75	325	0.024	ppbv	93

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

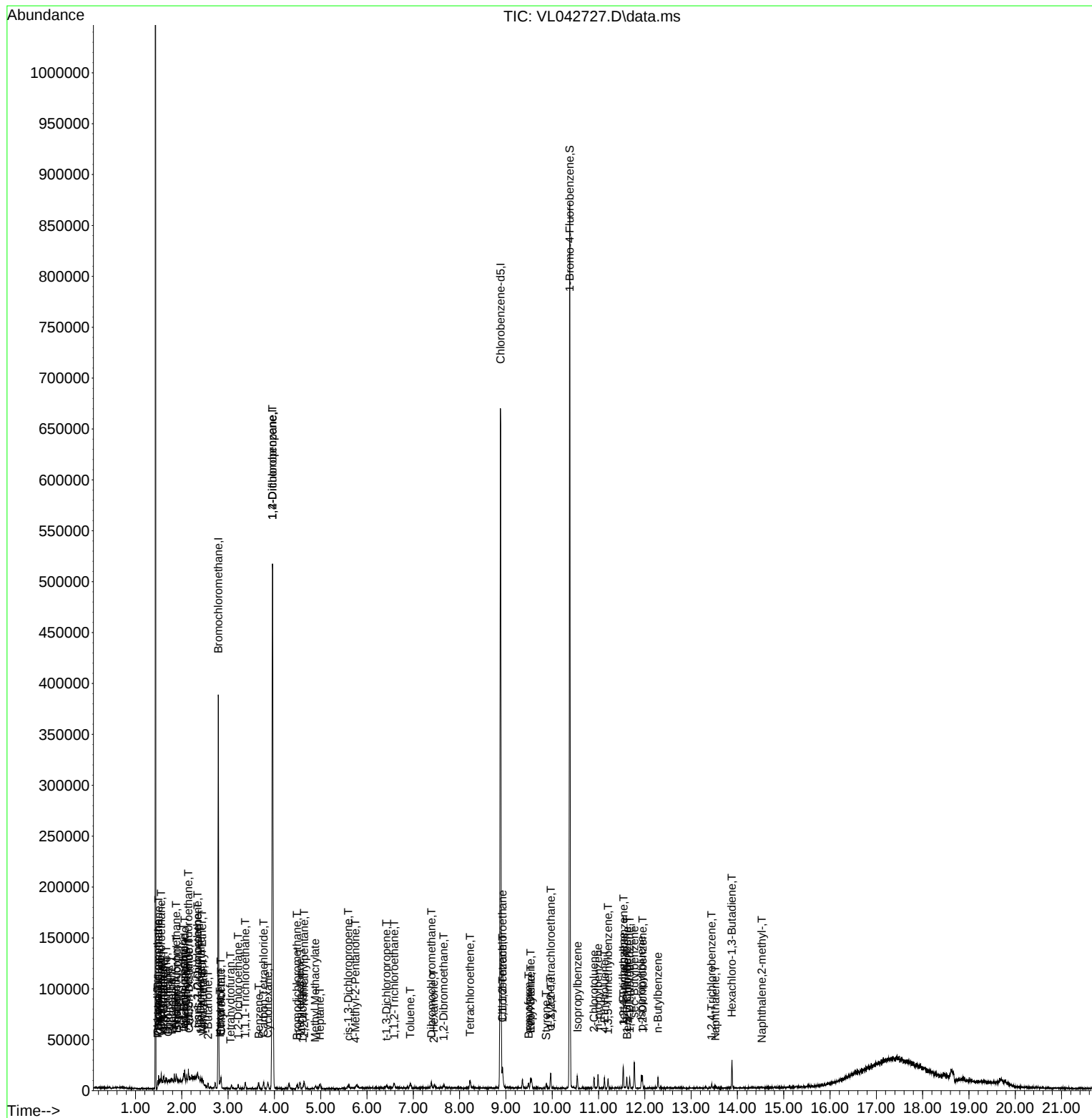
Instrument :
 MSVOA_L
 ClientSampleId :

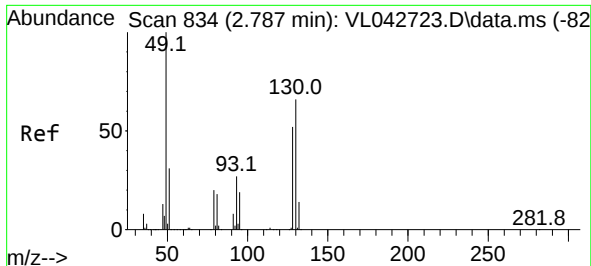
Quant Time: Jul 23 01:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	1105	0.070	ppbv #	61
47) 1,1,2-Trichloroethane	6.590	97	530	0.046	ppbv #	20
48) Dibromochloromethane	7.393	129	1989	0.104	ppbv	97
49) Bromoform	9.490	173	600	0.036	ppbv #	1
50) 4-Methyl-2-Pentanone	5.752	43	210	0.008	ppbv #	40
51) 2-Hexanone	7.441	43	482	0.022	ppbv #	30
52) Tetrachloroethene	8.225	164	246	0.022	ppbv #	1
53) Toluene	6.936	91	2659	0.083	ppbv #	76
54) 1,2-Dibromoethane	7.655	107	527	0.031	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	1010	0.070	ppbv #	1
57) Chlorobenzene	8.927	112	2880	0.113	ppbv #	82
58) Ethyl Benzene	9.535	91	2885	0.065	ppbv	100
59) m/p-Xylene	9.535	91	2885	0.081	ppbv #	30
60) o-Xylene	9.963	91	2436	0.068	ppbv #	33
61) Styrene	9.869	104	741	0.048	ppbv #	10
62) Isopropylbenzene	10.545	105	5304	0.099	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.969	83	297	0.014	ppbv #	1
64) n-propylbenzene	10.989	120	1086	0.081	ppbv	77
65) tert-Butylbenzene	11.529	119	4192	0.088	ppbv #	89
66) Benzyl Chloride	11.620	91	275	0.061	ppbv #	83
67) sec-Butylbenzene	11.772	105	6011	0.091	ppbv #	88
69) p-Isopropyltoluene	11.927	119	4459	0.081	ppbv #	90
70) n-Butylbenzene	12.283	91	3668	0.070	ppbv	97
71) 2-Chlorotoluene	10.901	91	2696	0.067	ppbv	71
72) 4-Ethyltoluene	11.128	105	4106	0.096	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.209	105	2972	0.084	ppbv	92
74) 1,2,4-Trimethylbenzene	11.539	105	3254	0.084	ppbv #	94
75) 1,3-Dichlorobenzene	11.610	146	2377	0.091	ppbv	94
76) 1,4-Dichlorobenzene	11.672	146	2508	0.100	ppbv	89
77) 1,2-Dichlorobenzene	11.953	146	2305	0.092	ppbv	84
78) Hexachloro-1,3-Butadiene	13.879	225	2771	0.114	ppbv	92
79) Naphthalene	13.520	128	1019	0.035	ppbv #	78
80) Naphthalene,2-methyl-	14.530	142	15	0.002	ppbv #	1
81) 1,2,4-Trichlorobenzene	13.442	180	442	0.025	ppbv #	12

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

Quant Time: Jul 23 01:48:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration

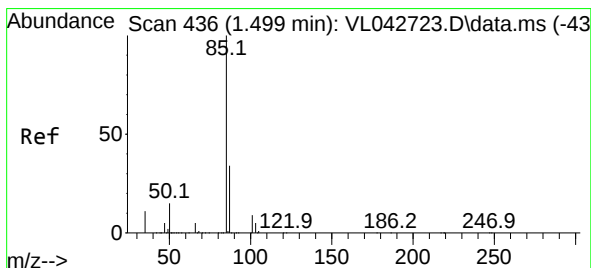
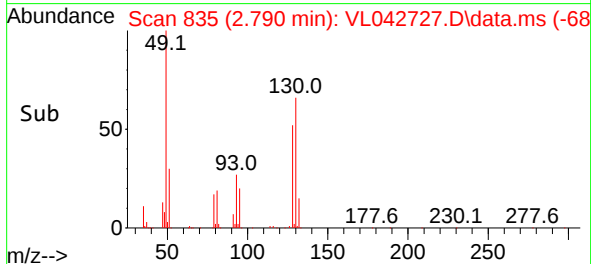
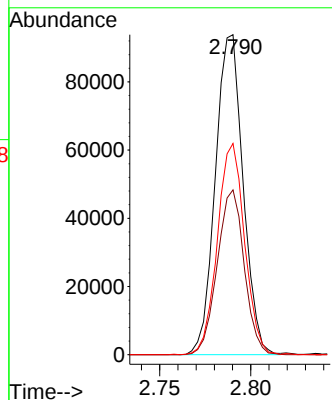
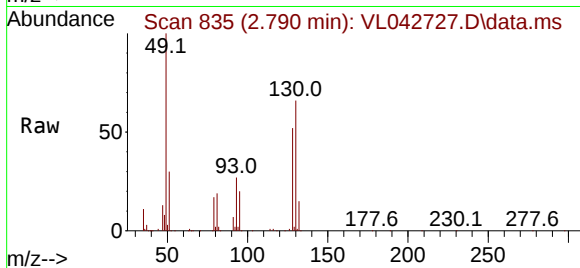




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

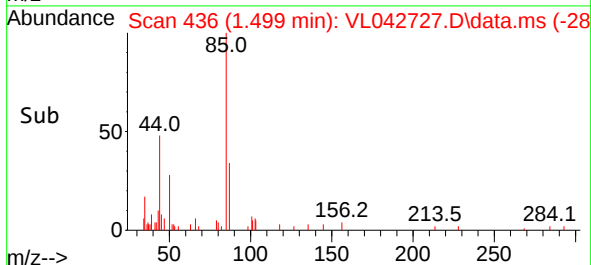
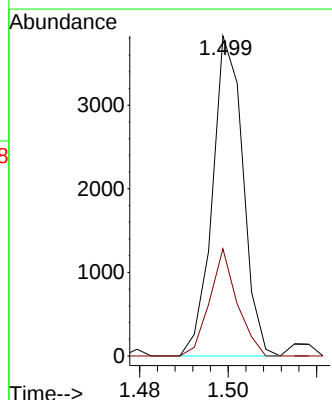
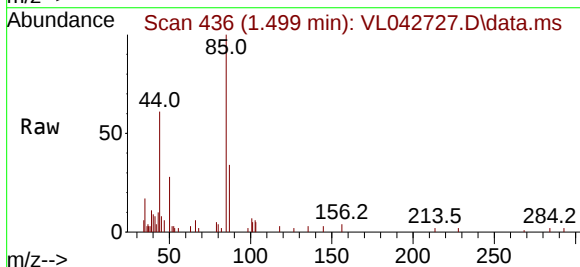
Instrument :
MSVOA_L
ClientSampleId :

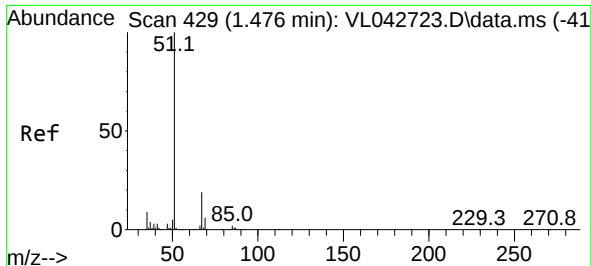
Tgt Ion: 49 Resp: 99406
Ion Ratio Lower Upper
49 100
128 50.1 24.5 73.5
130 64.7 31.7 95.1



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 85 Resp: 1836
Ion Ratio Lower Upper
85 100
87 33.5 27.5 41.3

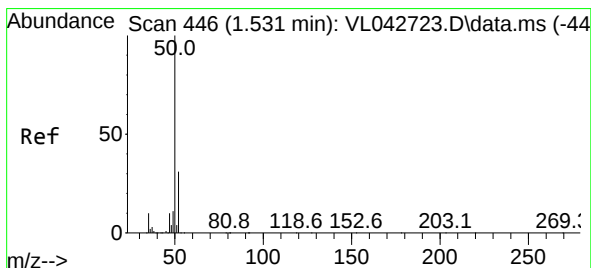
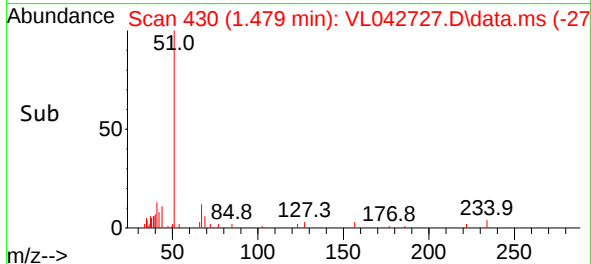
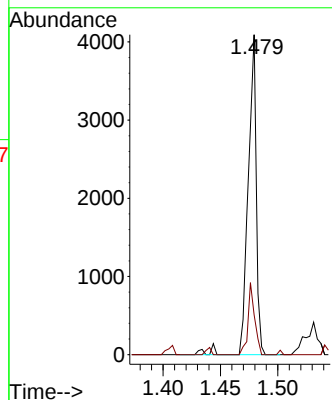
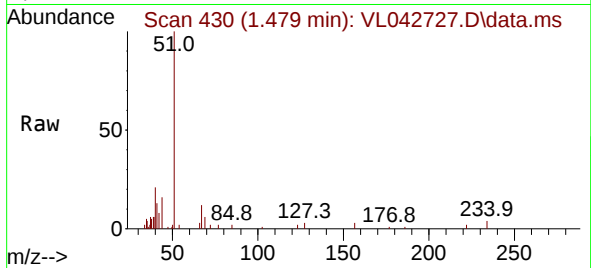




#3
Chlorodifluoromethane
Concen: 0.115 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

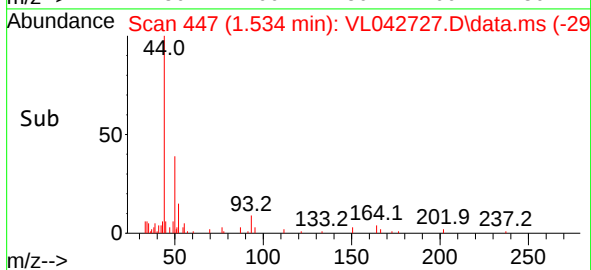
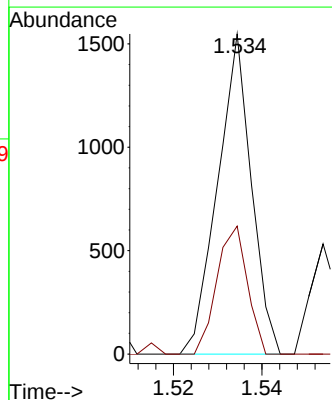
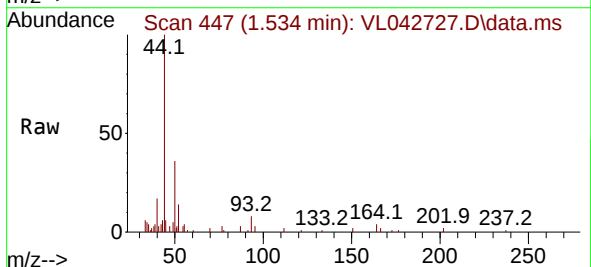
Instrument :
MSVOA_L
ClientSampleId :

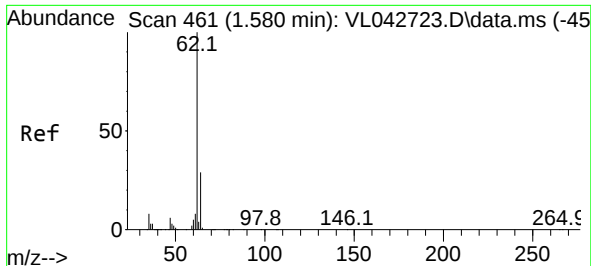
Tgt Ion: 51 Resp: 2014
Ion Ratio Lower Upper
51 100
67 18.9 16.0 24.0



#4
Chloromethane
Concen: 0.129 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 50 Resp: 819
Ion Ratio Lower Upper
50 100
52 37.9 24.9 37.3#

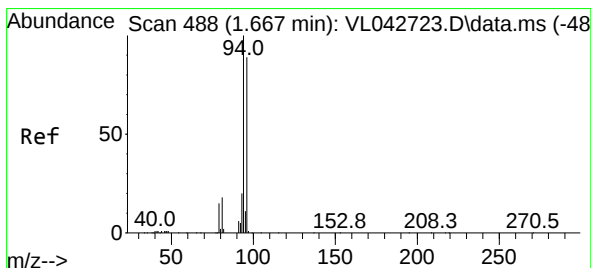
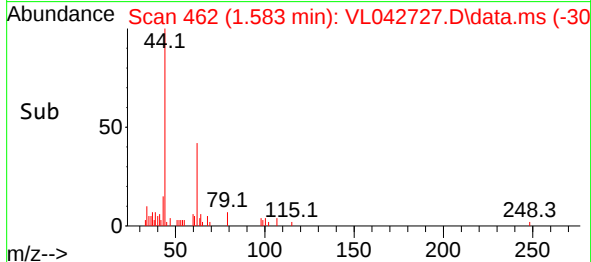
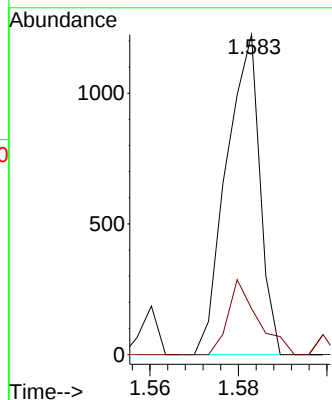
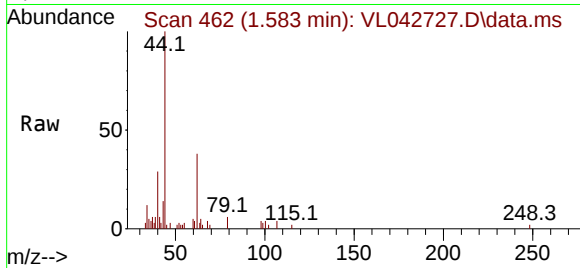




#5
 Vinyl Chloride
 Concen: 0.102 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

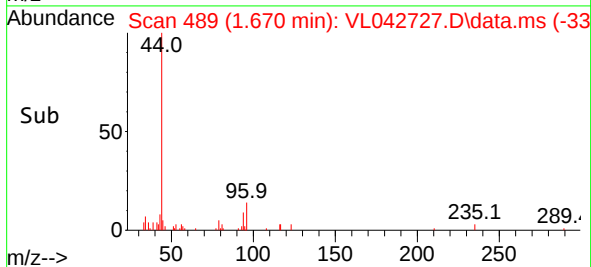
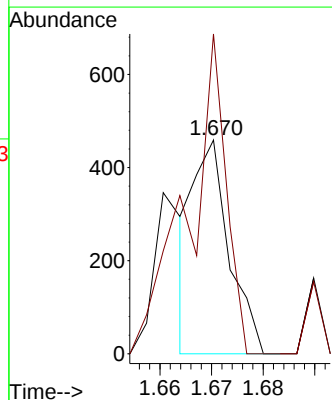
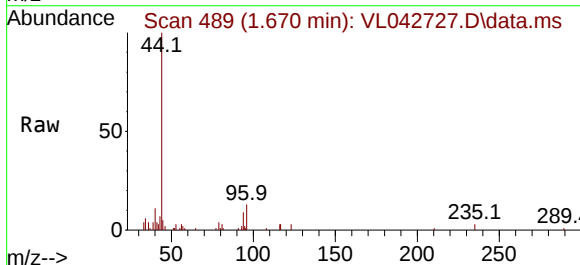
Instrument :
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 ClientSampleId :

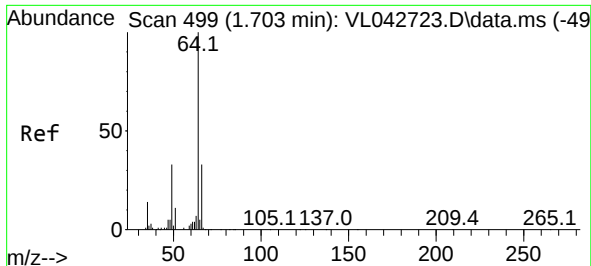
Tgt Ion: 62 Resp: 642
 Ion Ratio Lower Upper
 62 100
 64 14.4 23.0 34.6#



#6
 Bromomethane
 Concen: 0.087 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Tgt Ion: 94 Resp: 222
 Ion Ratio Lower Upper
 94 100
 96 118.4 71.1 106.7#

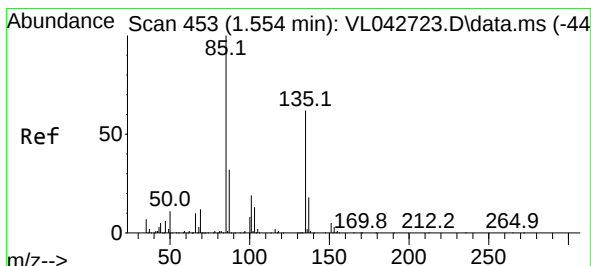
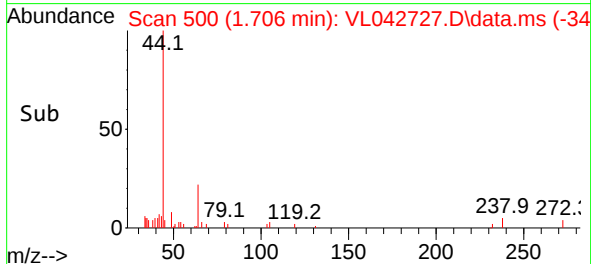
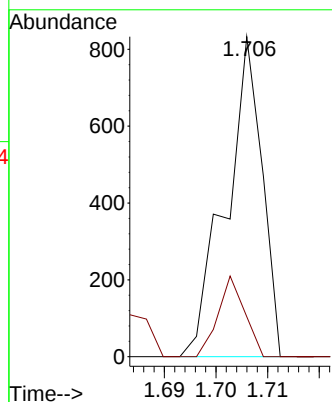
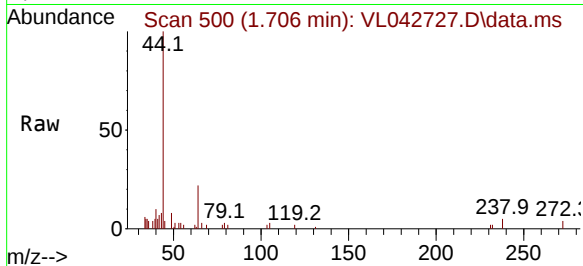




#7
Chloroethane
Concen: 0.170 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

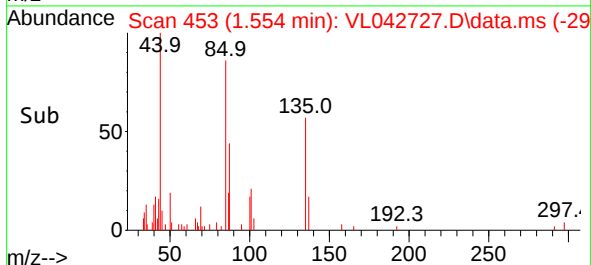
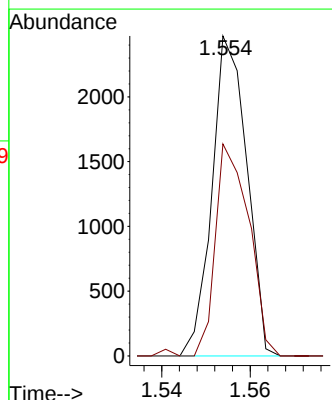
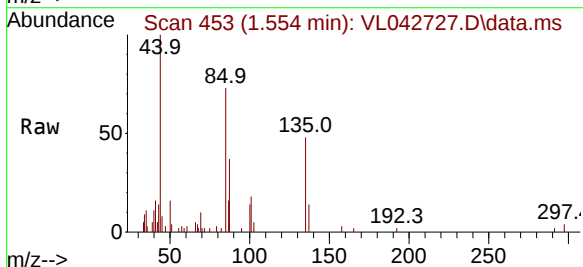
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ClientSampleId :

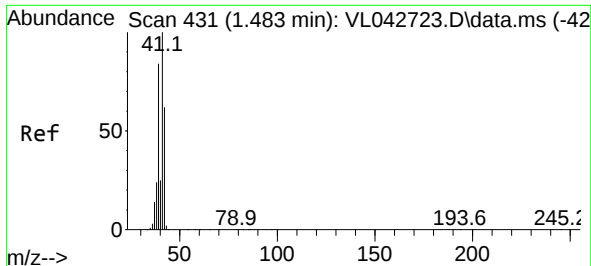
Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 12.5 26.4 39.6#



#8
Dichlorotetrafluoroethane
Concen: 0.103 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 85 Resp: 1350
Ion Ratio Lower Upper
85 100
135 64.4 52.0 78.0

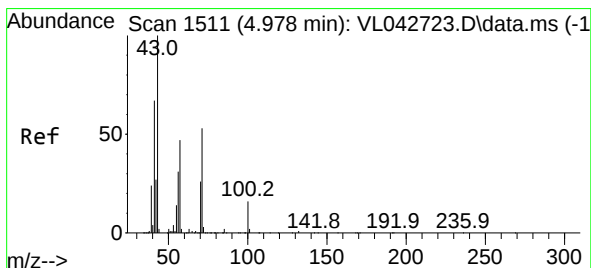
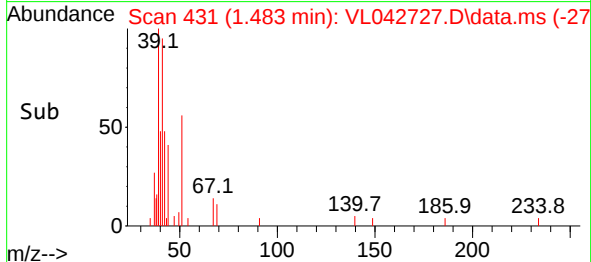
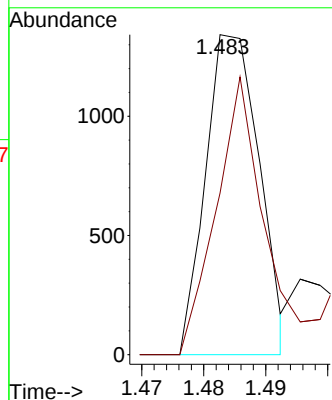
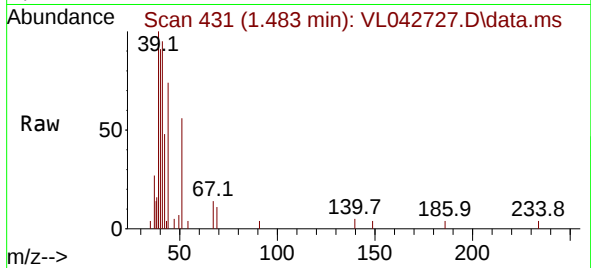




#9
 Propene
 Concen: 0.130 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

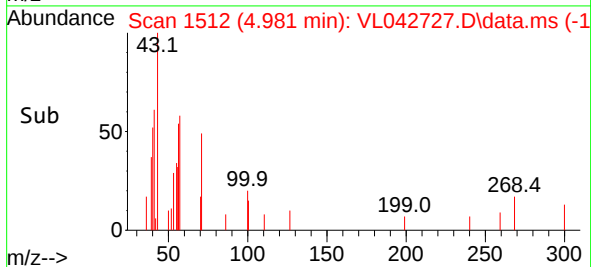
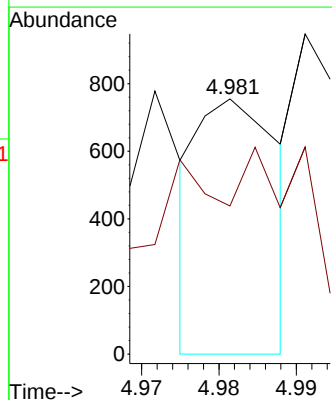
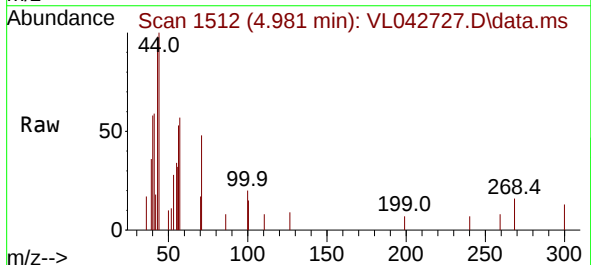
Instrument :
 MSVOA_L
 ClientSampleId :

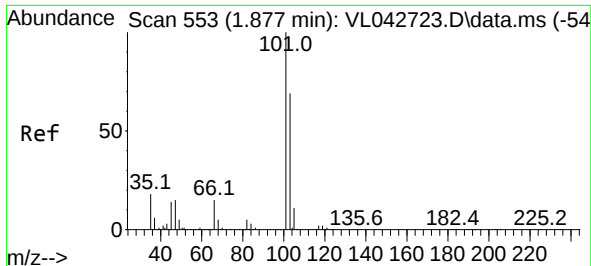
Tgt Ion: 41 Resp: 810
 Ion Ratio Lower Upper
 41 100
 42 88.1 52.0 78.0#



#10
 Heptane
 Concen: 0.031 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Tgt Ion: 43 Resp: 538
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.1 58.7#

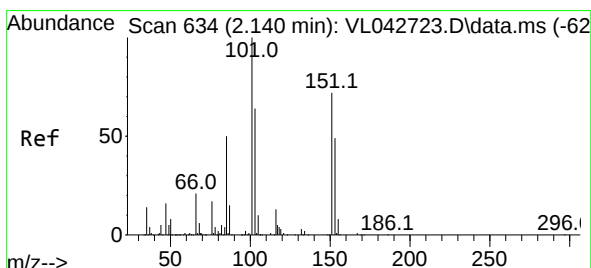
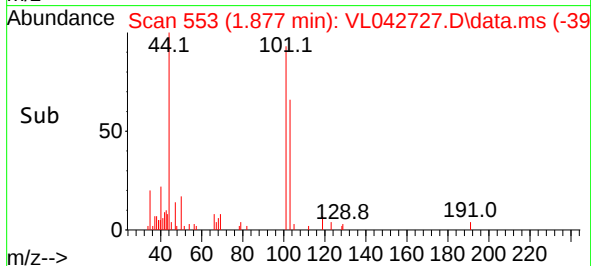
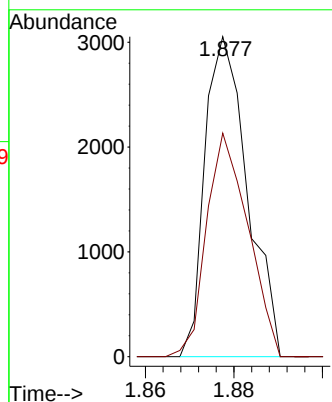
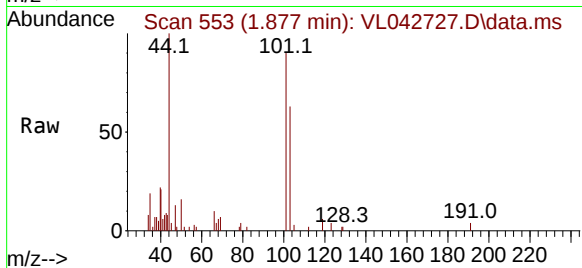




#11
Trichlorofluoromethane
Concen: 0.128 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

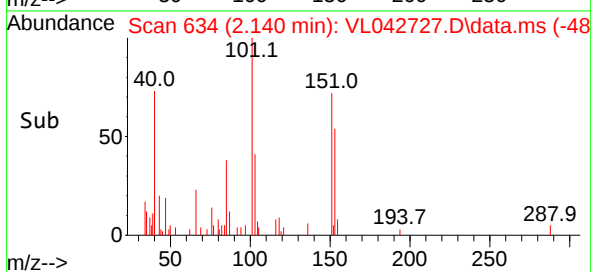
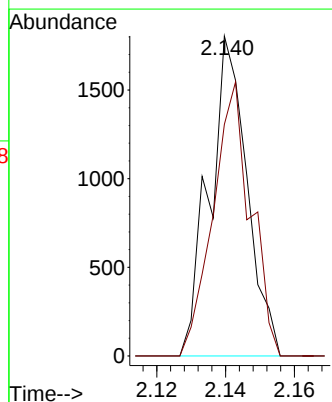
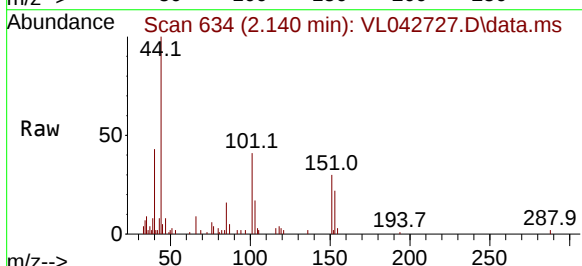
Instrument :
MSVOA_L
ClientSampleId :

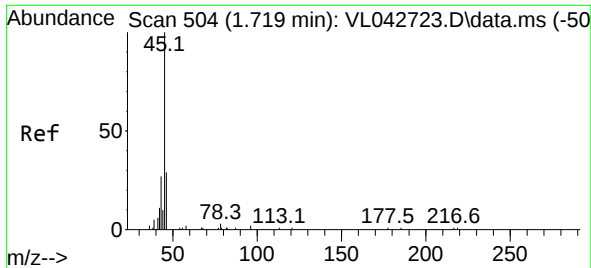
Tgt Ion:101 Resp: 2037
Ion Ratio Lower Upper
101 100
103 69.8 55.2 82.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.109 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion:101 Resp: 1368
Ion Ratio Lower Upper
101 100
151 85.7 59.1 88.7

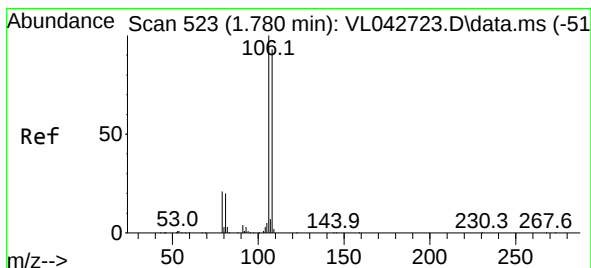
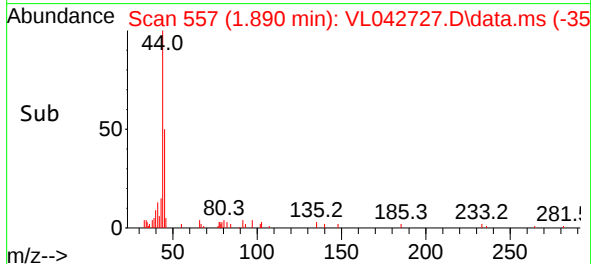
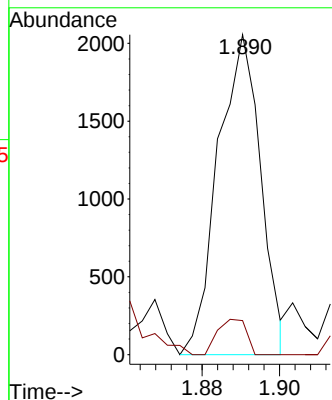
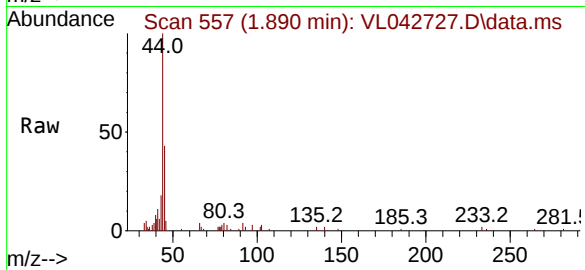




#13
Ethanol
Concen: 1.569 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.172 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

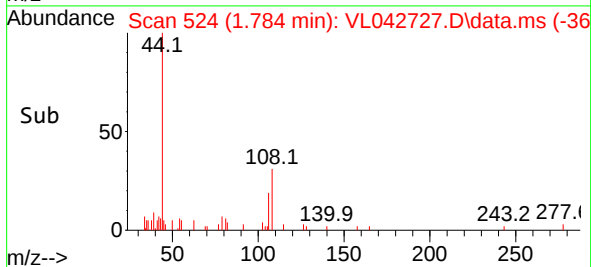
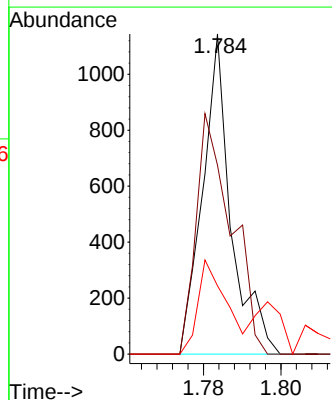
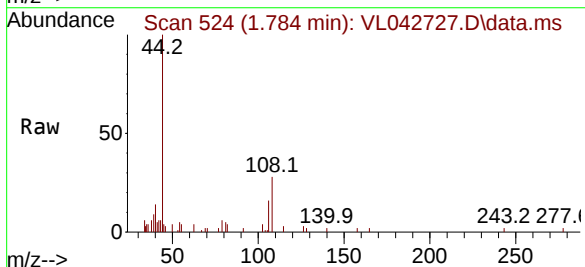
Instrument :
MSVOA_L
ClientSampleId :

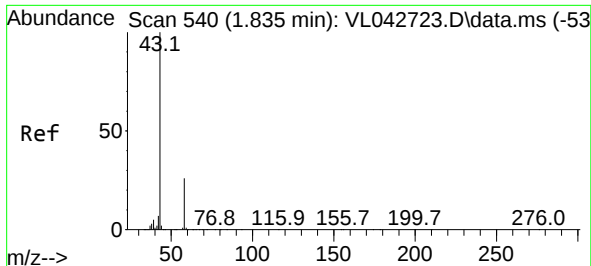
Tgt Ion: 45 Resp: 1576
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.1#



#14
Bromoethene
Concen: 0.131 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 108 Resp: 582
Ion Ratio Lower Upper
108 100
106 93.5 85.4 128.0
79 87.6 17.4 26.2#

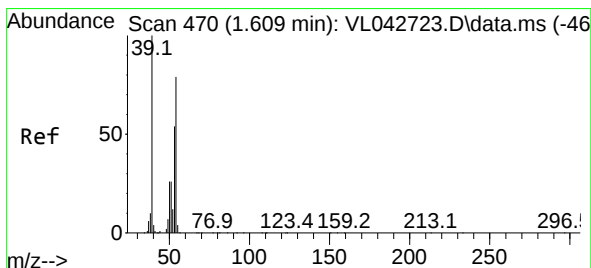
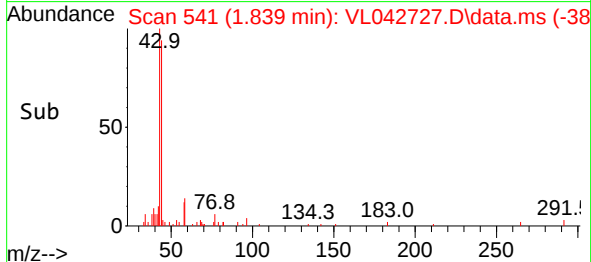
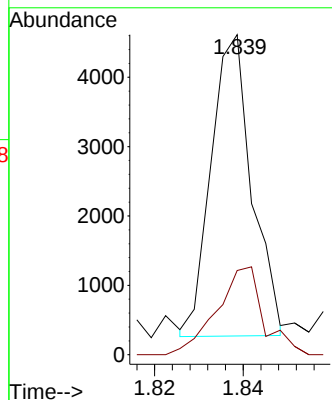
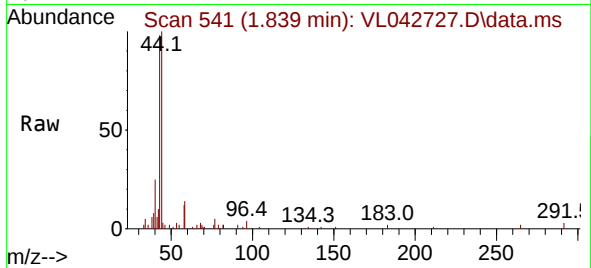




#15
Acetone
Concen: 0.167 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

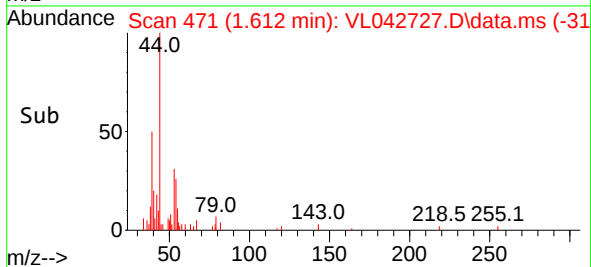
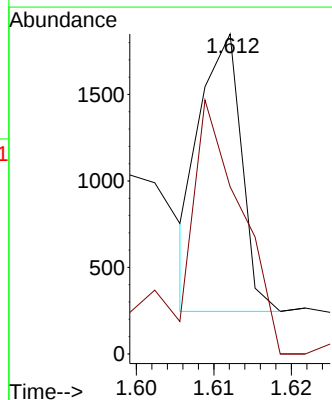
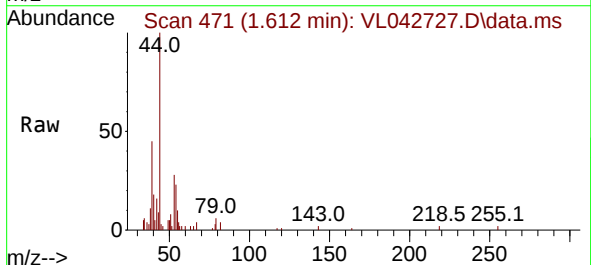
Instrument :
MSVOA_L
ClientSampleId :

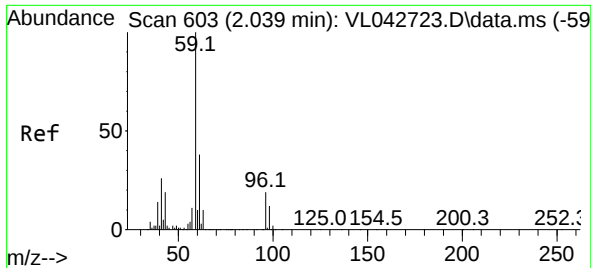
Tgt Ion: 43 Resp: 2782
Ion Ratio Lower Upper
43 100
58 37.5 20.5 30.7#



#16
1,3-Butadiene
Concen: 0.083 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 39 Resp: 589
Ion Ratio Lower Upper
39 100
54 165.0 54.6 82.0#





#17

tert-Butyl alcohol

Concen: 0.066 ppbv

RT: 2.049 min Scan# 603

Delta R.T. 0.010 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

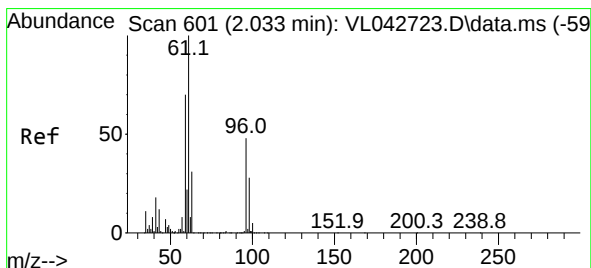
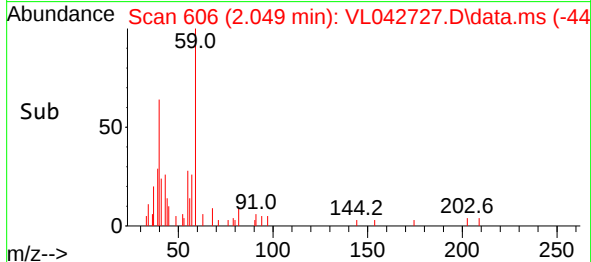
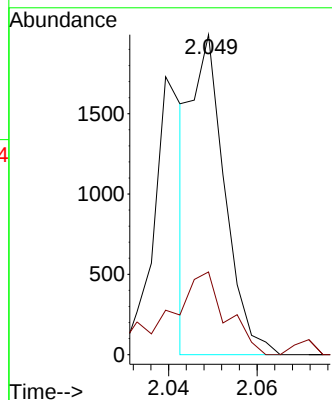
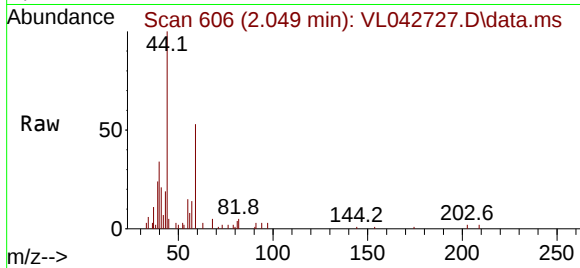
ClientSampleId :

Tgt Ion: 59 Resp: 1036

Ion Ratio Lower Upper

59 100

57 52.7 9.1 13.7#



#18

1,1-Dichloroethene

Concen: 0.112 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

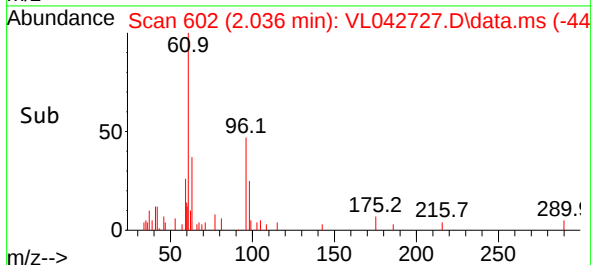
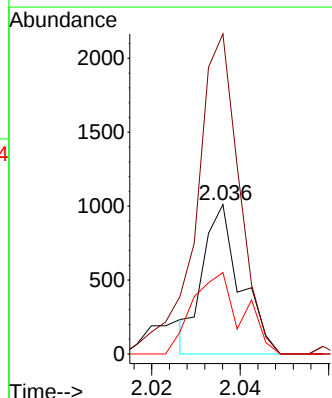
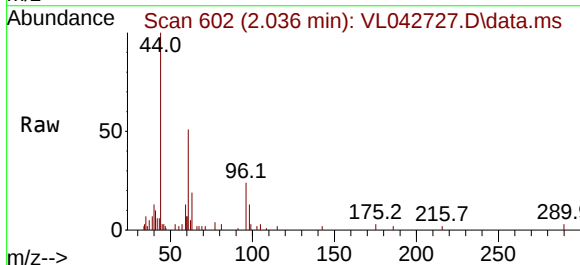
Tgt Ion: 96 Resp: 596

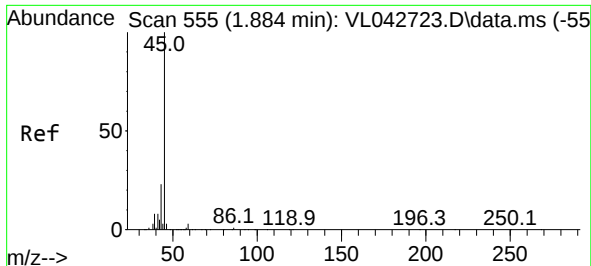
Ion Ratio Lower Upper

96 100

61 214.1 166.2 249.4

98 54.5 46.1 69.1

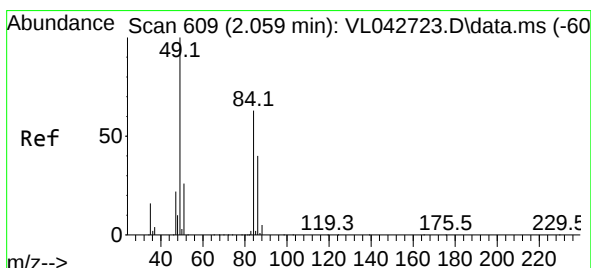
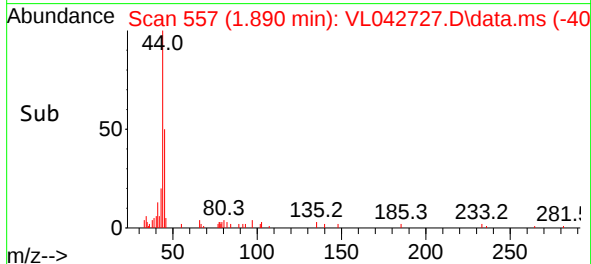
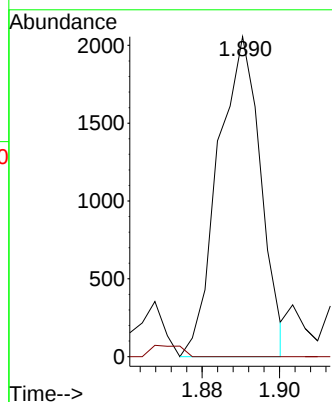
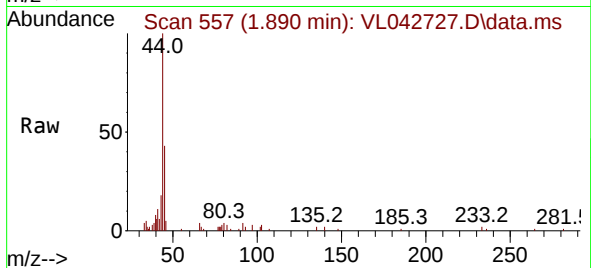




#19
Isopropyl Alcohol
Concen: 0.179 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

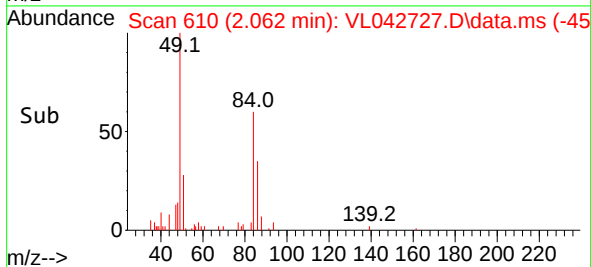
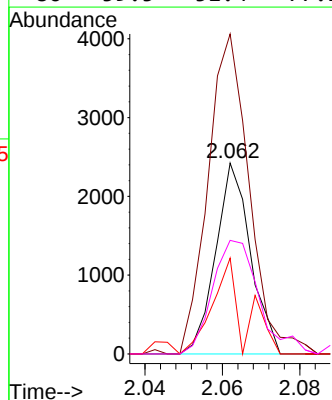
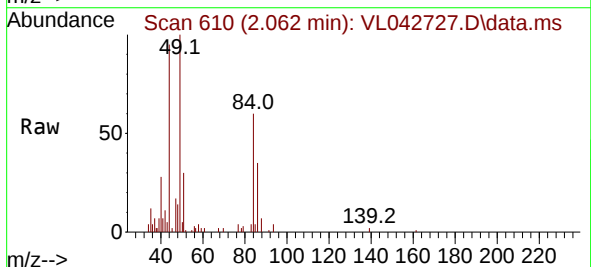
Instrument :
MSVOA_L
ClientSampleId :

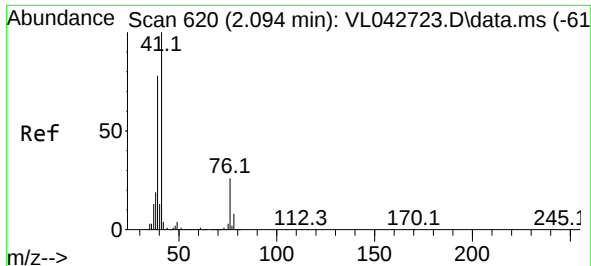
Tgt Ion: 45 Resp: 1576
Ion Ratio Lower Upper
45 100
58 2.6 30.6 46.0#



#20
Methylene Chloride
Concen: 0.289 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 84 Resp: 1513
Ion Ratio Lower Upper
84 100
49 167.7 128.2 192.4
51 52.6 34.5 51.7#
86 59.5 51.4 77.2

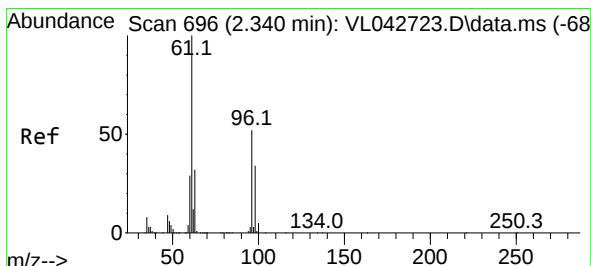
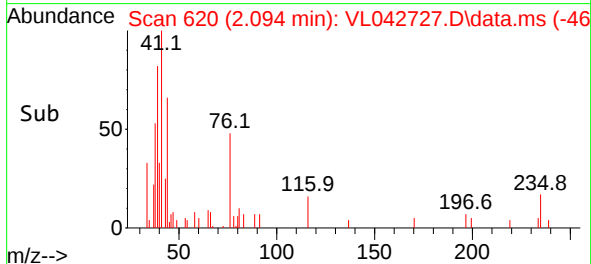
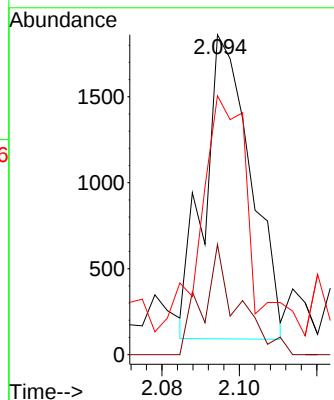
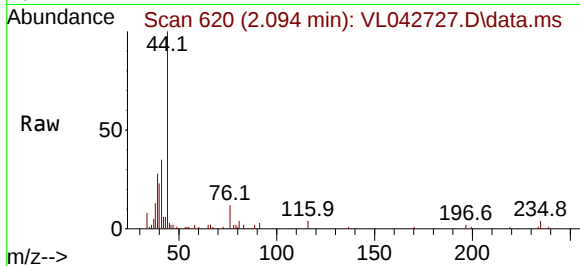




#21
 Allyl Chloride
 Concen: 0.139 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

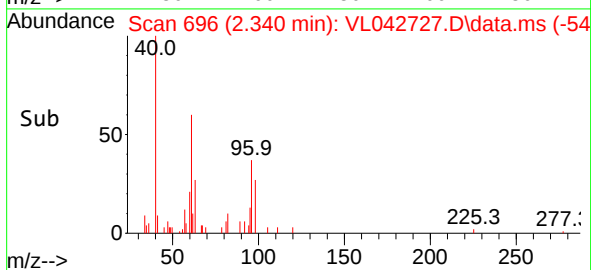
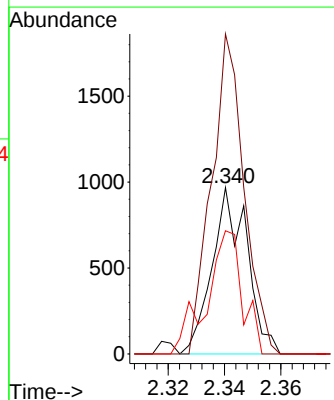
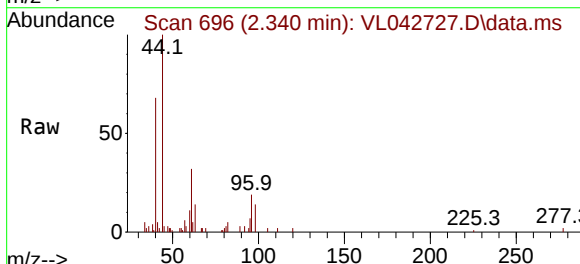
Instrument :
 MSVOA_L
 ClientSampleId :

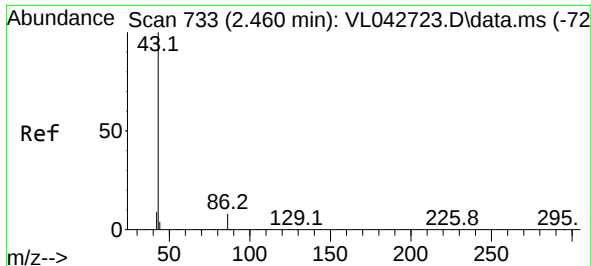
Tgt Ion: 41 Resp: 1478
 Ion Ratio Lower Upper
 41 100
 76 27.7 22.1 33.1
 39 114.8 64.7 97.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.136 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Tgt Ion: 96 Resp: 834
 Ion Ratio Lower Upper
 96 100
 61 192.4 154.6 232.0
 98 74.1 53.1 79.7

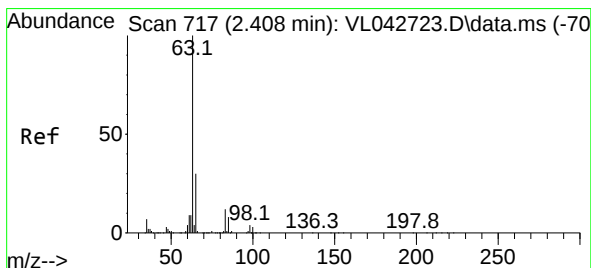
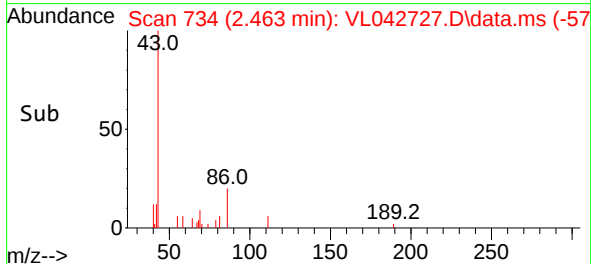
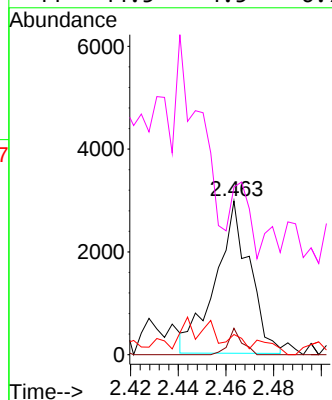
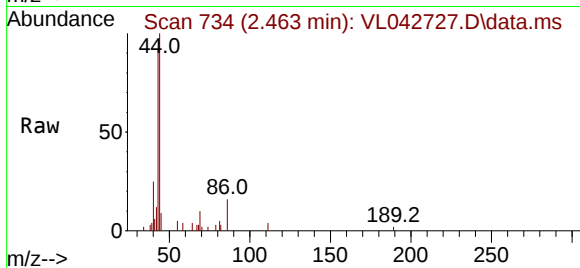




#23
 Vinyl Acetate
 Concen: 0.155 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

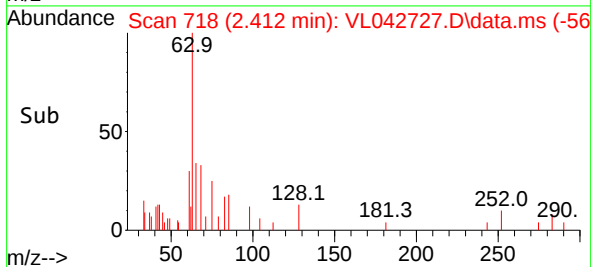
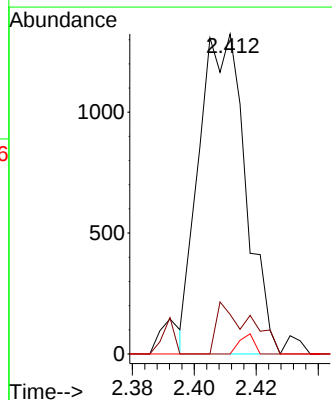
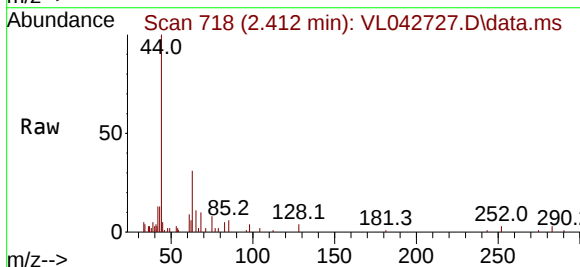
Instrument :
 MSVOA_L
 ClientSampleId :

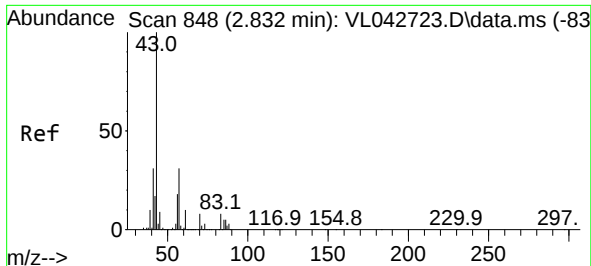
Tgt Ion:	43	Resp:	2937
Ion	Ratio	Lower	Upper
43	100		
86	18.0	5.7	8.5#
42	9.3	7.9	11.9
44	44.5	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 0.113 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

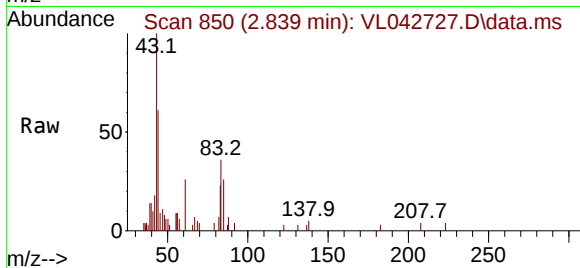
Tgt Ion:	63	Resp:	1376
Ion	Ratio	Lower	Upper
63	100		
98	12.3	2.0	5.8#
100	0.0	1.6	4.7#



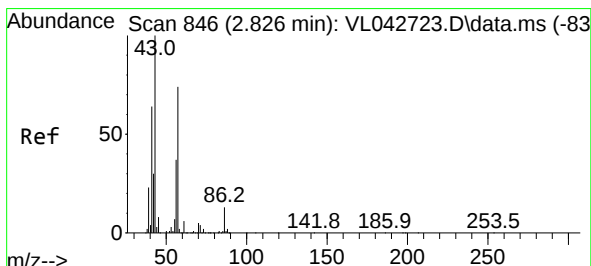
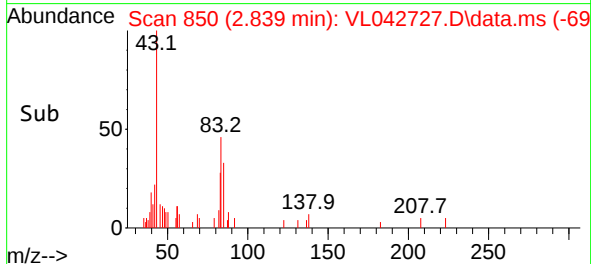
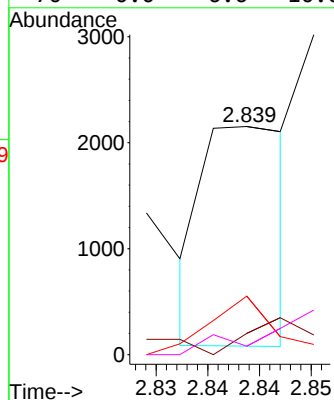


#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Instrument :
MSVOA_L
ClientSampleId :

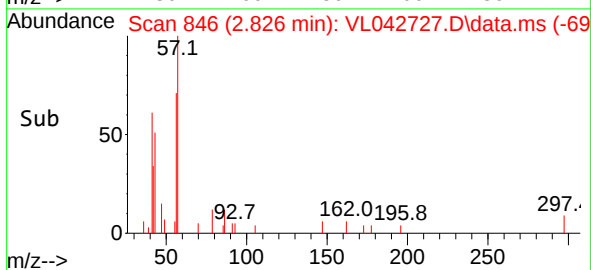
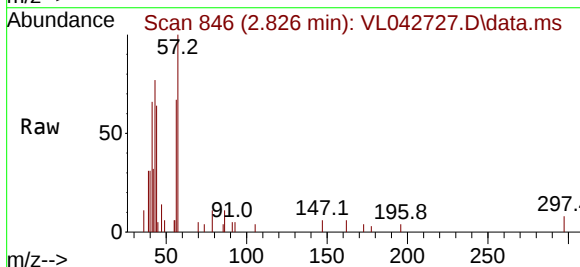
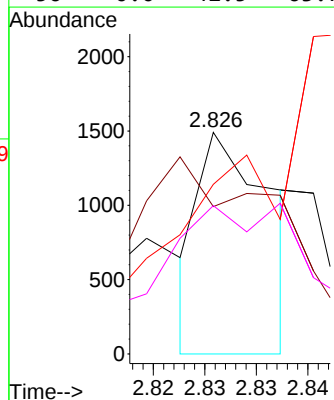


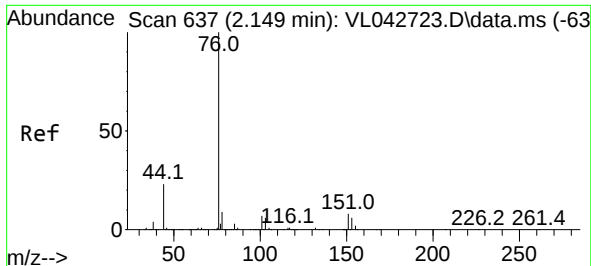
Tgt Ion: 43	Resp: 1193
Ion Ratio	Lower Upper
43 100	
45 27.9	7.8 11.6#
61 29.8	7.0 10.6#
70 0.0	6.6 10.0#



#26
Hexane
Concen: 0.054 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 57	Resp: 726
Ion Ratio	Lower Upper
57 100	
41 223.3	77.3 115.9#
43 0.0	182.3 273.5#
56 0.0	42.5 63.7#





#27

Carbon Disulfide

Concen: 0.125 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL042727.D

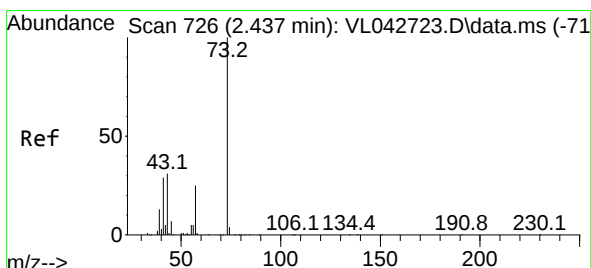
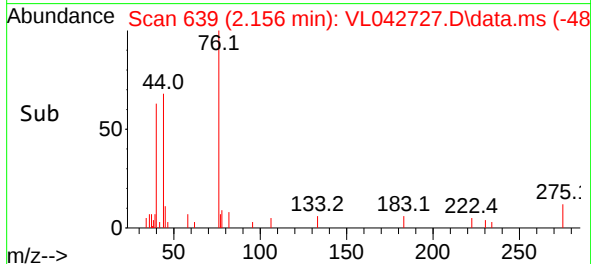
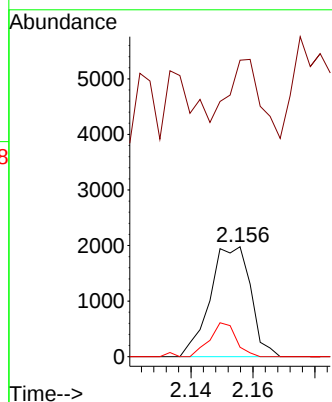
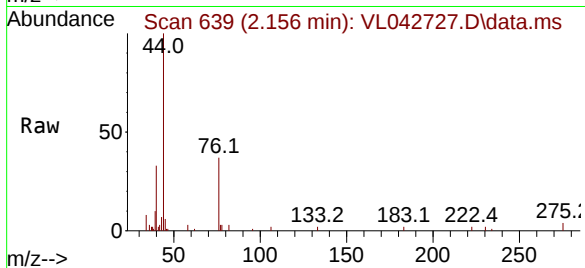
Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	76	Resp:	1796
Ion	Ratio	Lower	Upper
76	100		
44	309.5	18.8	28.2#
78	21.0	9.5	14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.117 ppbv

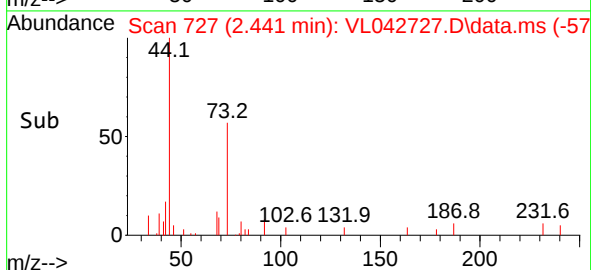
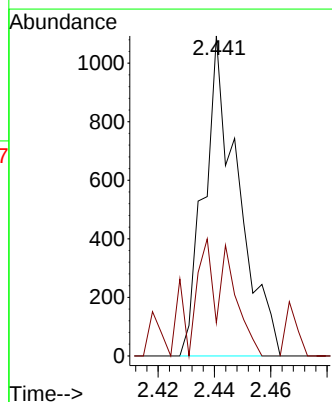
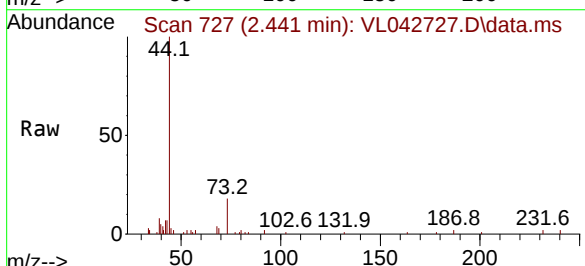
RT: 2.441 min Scan# 727

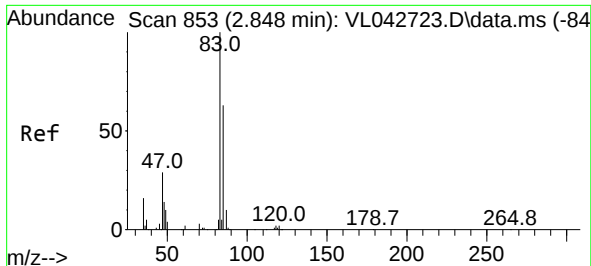
Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Tgt Ion:	73	Resp:	916
Ion	Ratio	Lower	Upper
73	100		
57	55.2	19.8	29.8#





#29

Chloroform

Concen: 0.126 ppbv

RT: 2.852 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

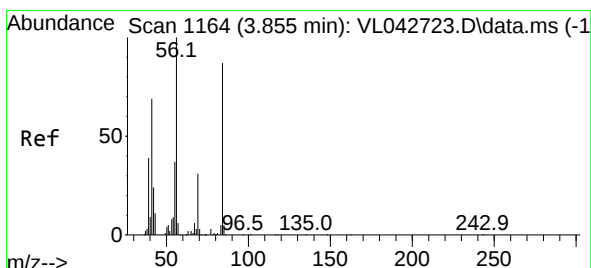
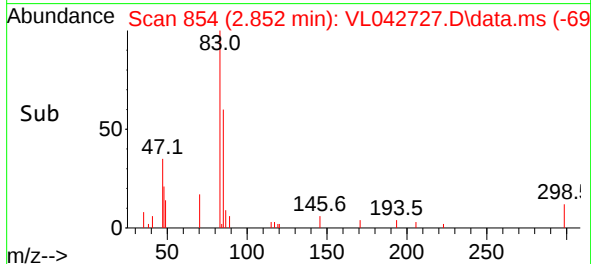
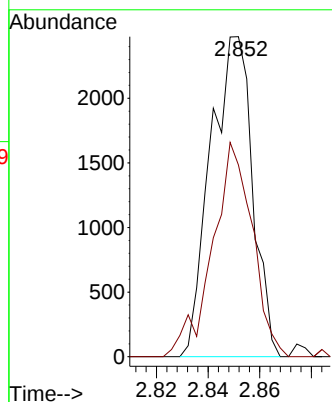
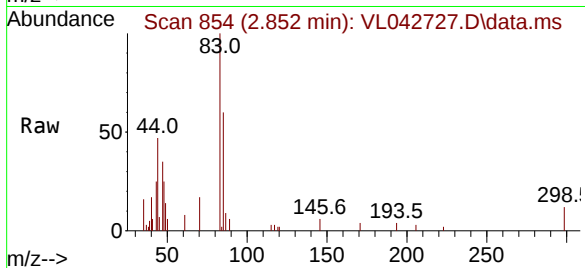
ClientSampleId :

Tgt Ion: 83 Resp: 2798

Ion Ratio Lower Upper

83 100

85 57.1 50.9 76.3



#30

Cyclohexane

Concen: 0.070 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.007 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

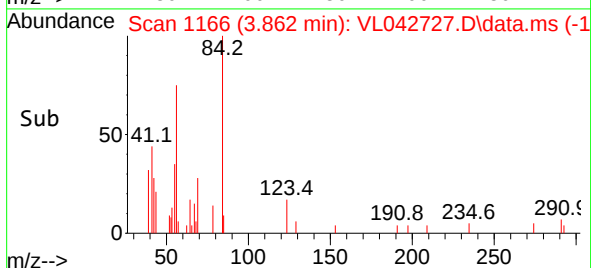
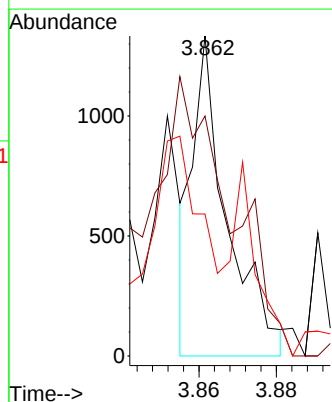
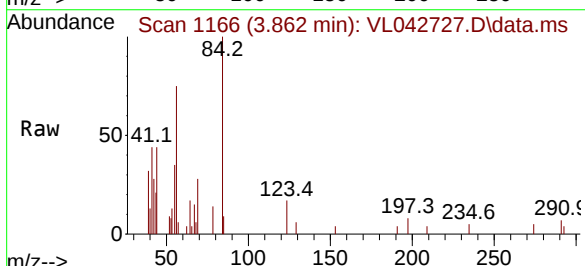
Tgt Ion: 84 Resp: 822

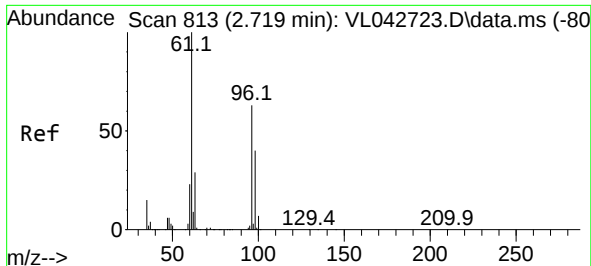
Ion Ratio Lower Upper

84 100

56 0.0 94.2 141.4#

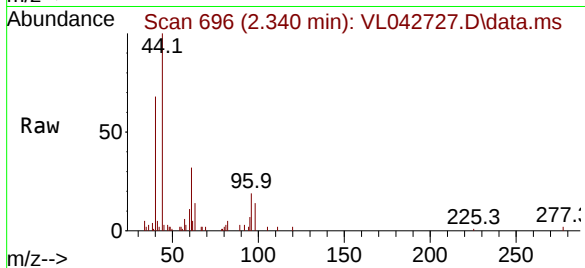
41 0.0 66.4 99.6#



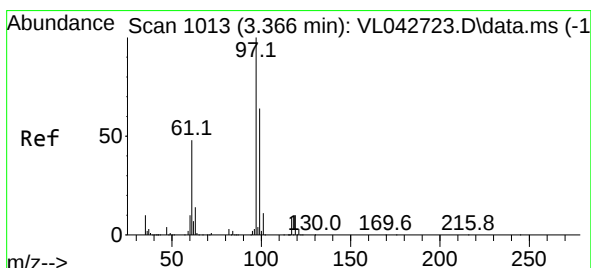
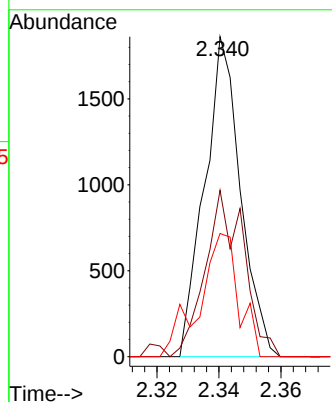
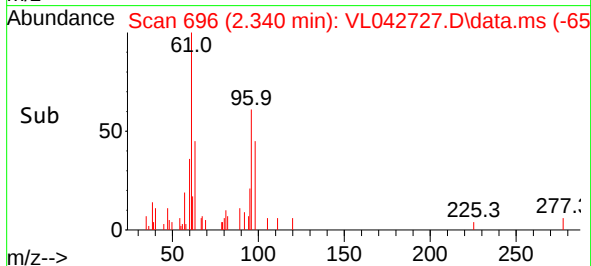


#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 2.340 min Scan# 61
 Delta R.T. -0.379 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Instrument :
 MSVOA_L
 ClientSampleId :

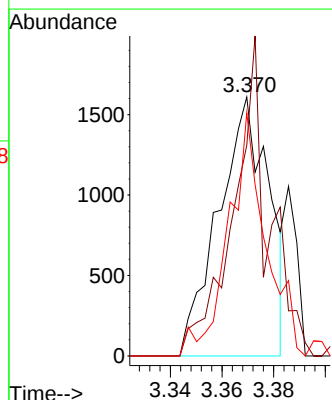
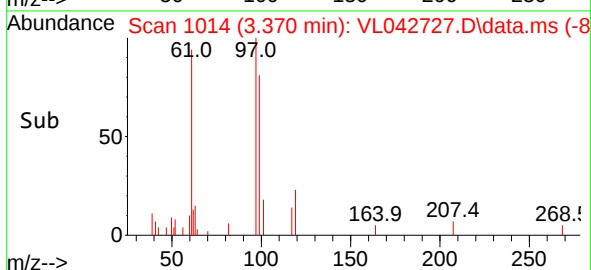
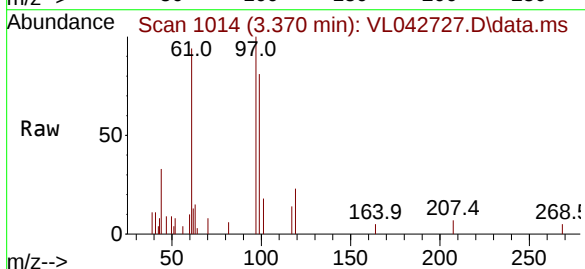


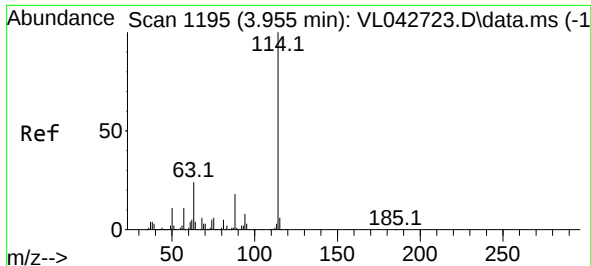
Tgt Ion:	61	Resp:	1499
Ion	Ratio	Lower	Upper
61	100		
96	52.0	50.6	75.8
98	38.5	32.2	48.2



#32
 1,1,1-Trichloroethane
 Concen: 0.093 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Tgt Ion:	97	Resp:	2174
Ion	Ratio	Lower	Upper
97	100		
99	88.6	51.4	77.0#
61	71.2	39.6	59.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

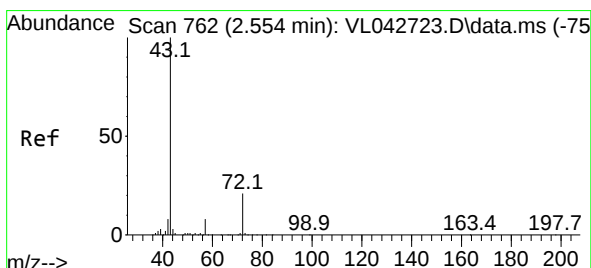
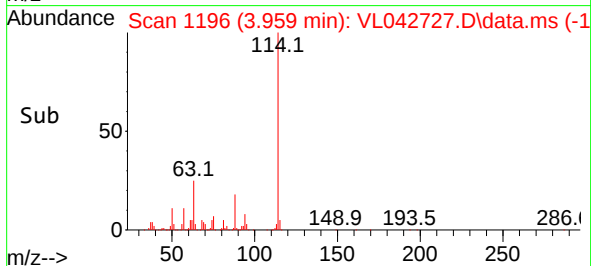
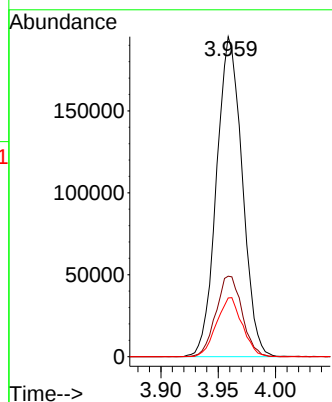
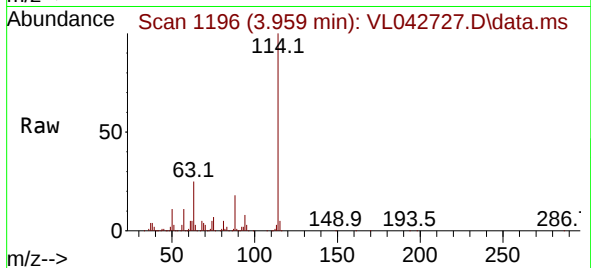
Tgt Ion:114 Resp: 304859

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 0.120 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.013 min

Lab File: VL042727.D

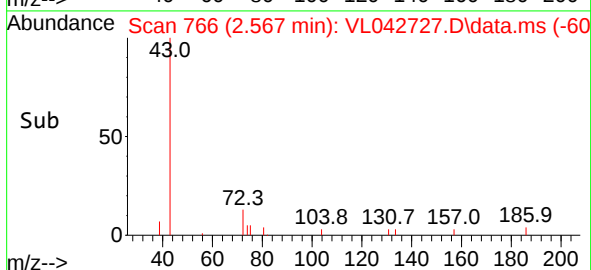
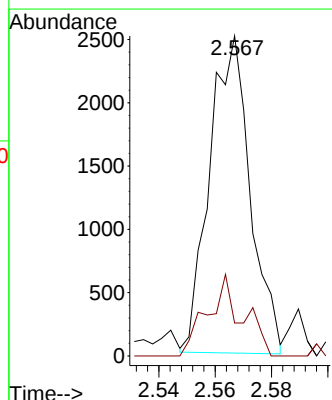
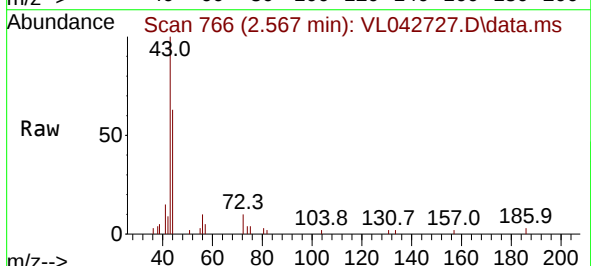
Acq: 22 Jul 2025 11:12

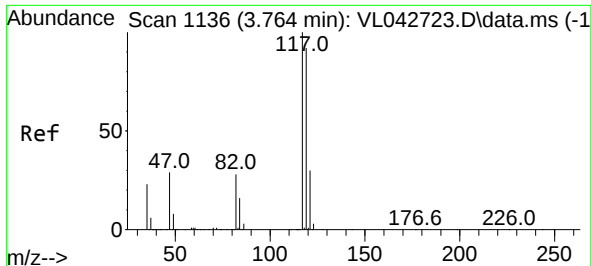
Tgt Ion: 43 Resp: 2511

Ion Ratio Lower Upper

43 100

72 22.0 17.0 25.6

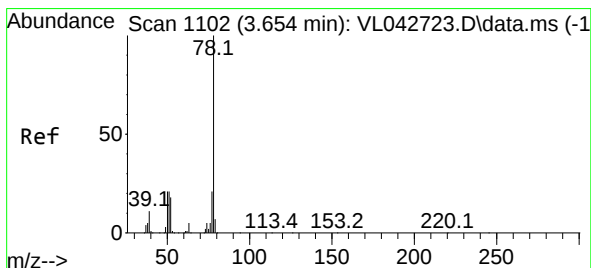
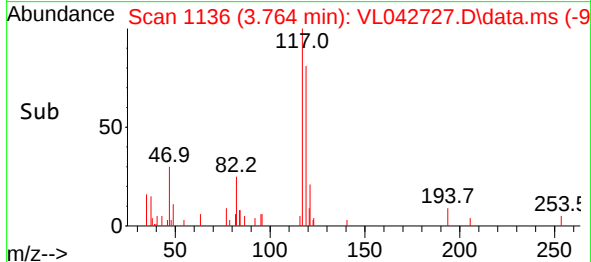
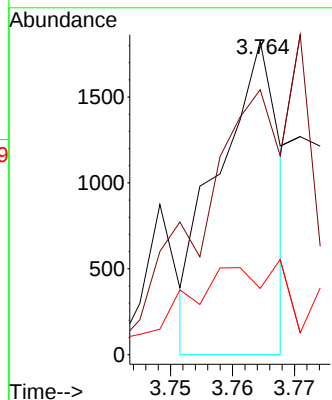
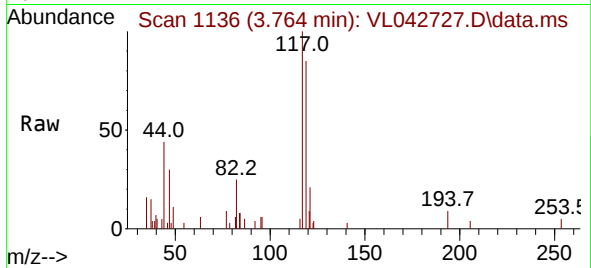




#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

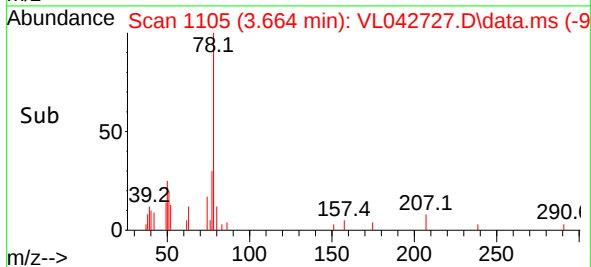
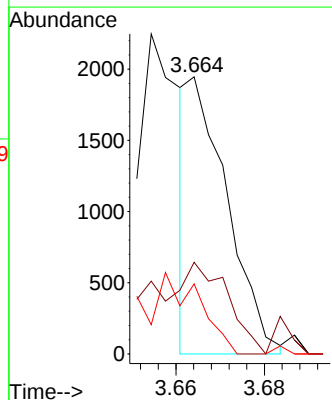
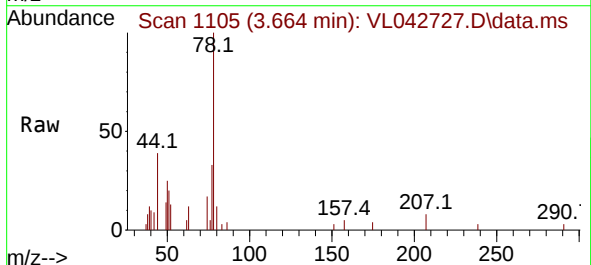
Instrument :
MSVOA_L
ClientSampleId :

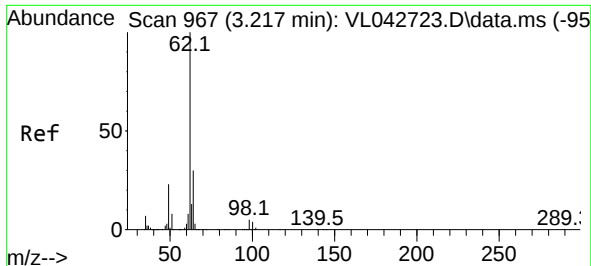
Tgt Ion:117 Resp: 1251
Ion Ratio Lower Upper
117 100
119 53.6 73.7 110.5#
121 0.6 23.8 35.8#



#36
Benzene
Concen: 0.042 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 78 Resp: 1195
Ion Ratio Lower Upper
78 100
77 20.1 17.0 25.4
50 23.1 16.9 25.3

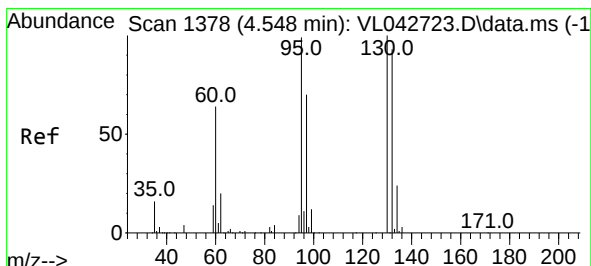
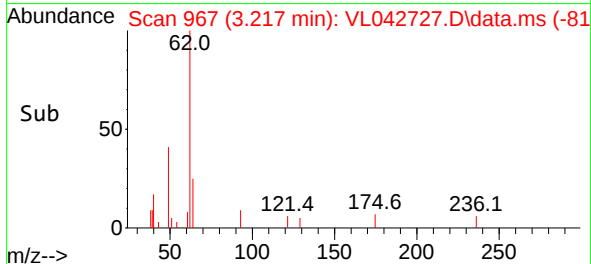
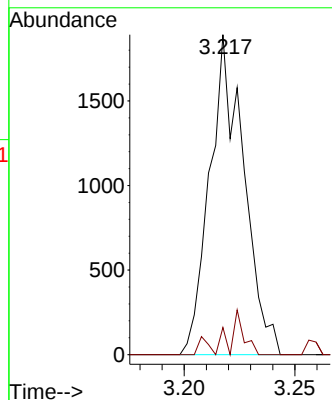
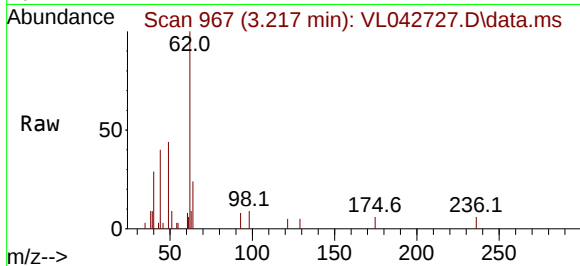




#37
1,2-Dichloroethane
Concen: 0.112 ppbv
RT: 3.217 min Scan# 90
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

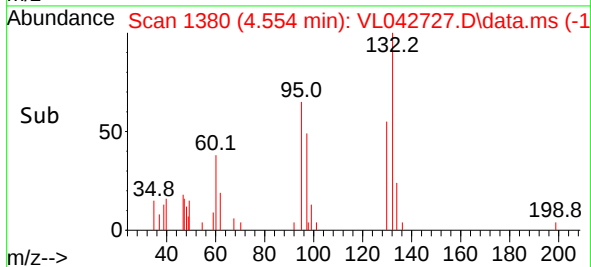
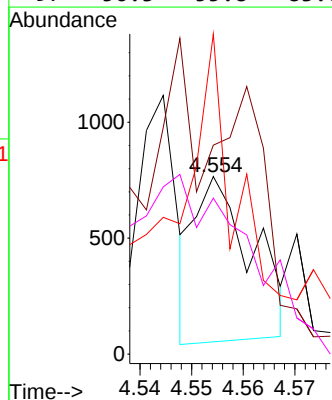
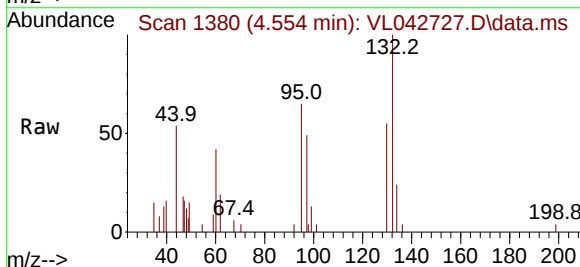
Instrument :
MSVOA_L
ClientSampleId :

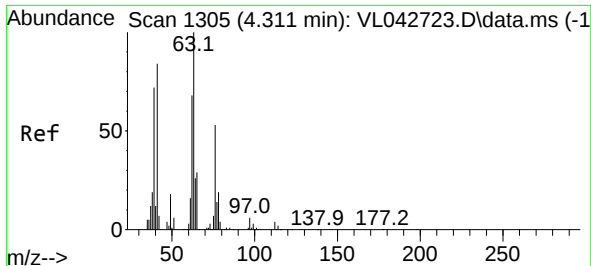
Tgt Ion: 62 Resp: 2023
Ion Ratio Lower Upper
62 100
98 7.2 4.8 7.2



#38
Trichloroethene
Concen: 0.040 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion:130 Resp: 549
Ion Ratio Lower Upper
130 100
95 145.8 79.2 118.8#
132 238.0 74.1 111.1#
97 56.3 55.8 83.6





#39

1,2-Dichloropropane

Concen: 7.399 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

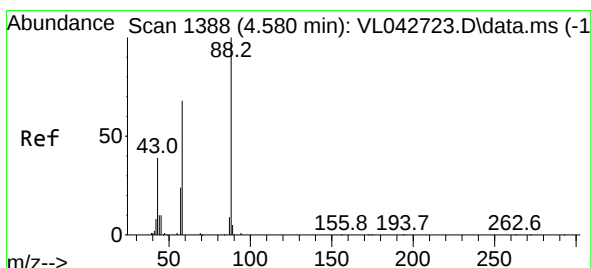
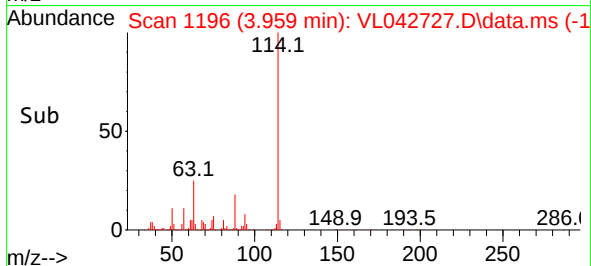
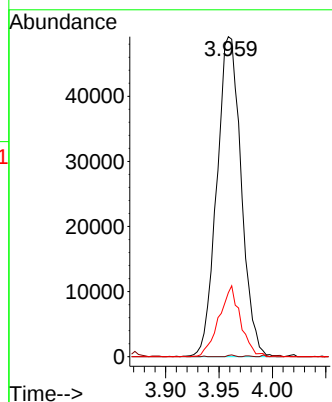
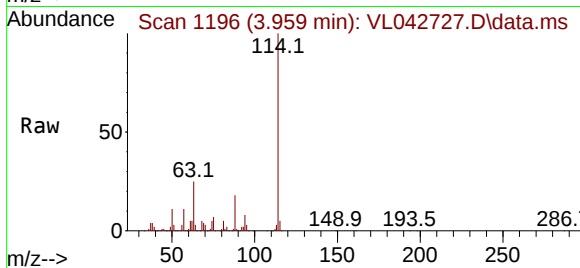
Tgt Ion: 63 Resp: 78027

Ion Ratio Lower Upper

63 100

41 0.4 67.7 101.5#

62 20.0 54.1 81.1#



#40

1,4-Dioxane

Concen: 0.060 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.029 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Tgt Ion: 88 Resp: 293

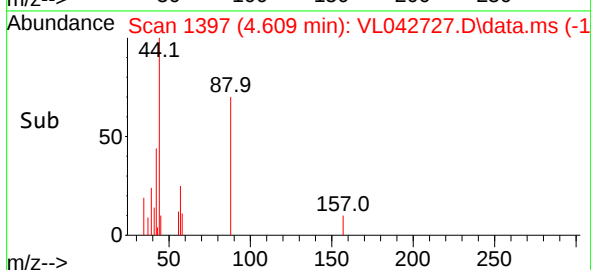
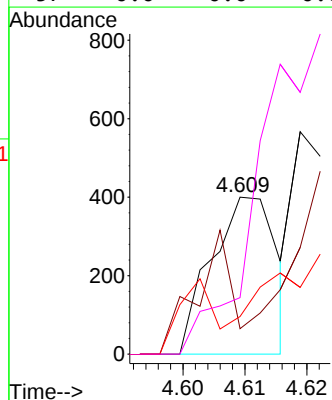
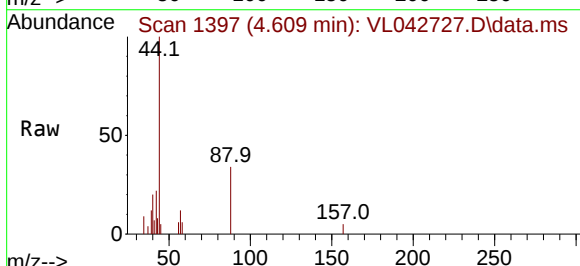
Ion Ratio Lower Upper

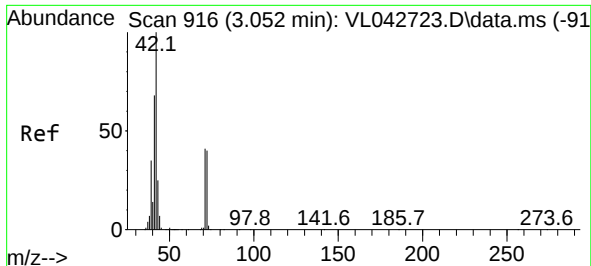
88 100

58 13.3 59.8 89.8#

43 41.3 32.6 48.8

57 0.0 0.0 0.0

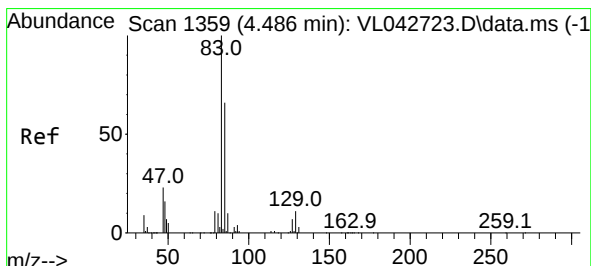
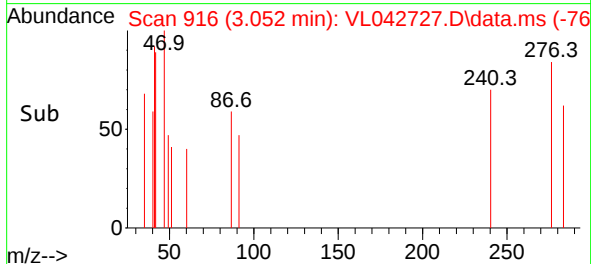
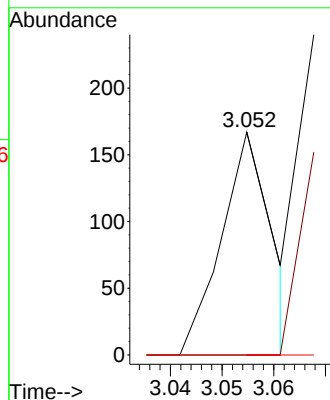
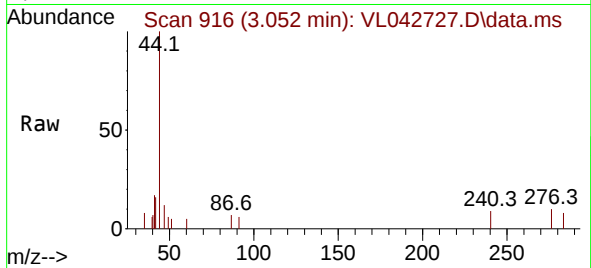




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

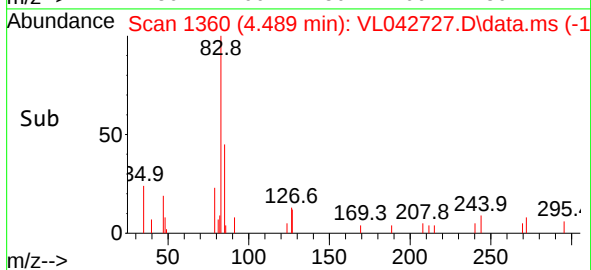
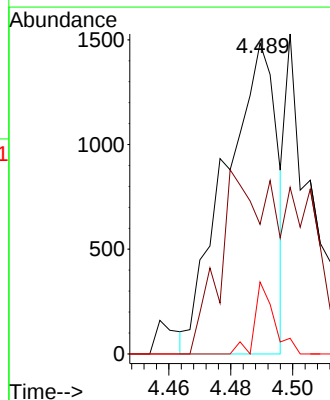
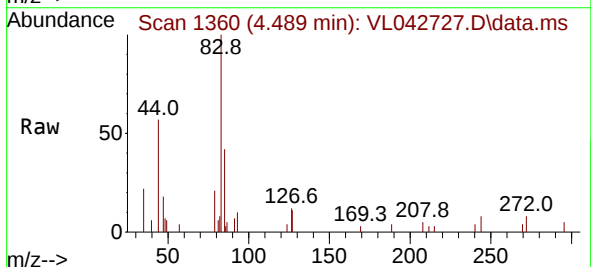
Instrument :
MSVOA_L
ClientSampleId :

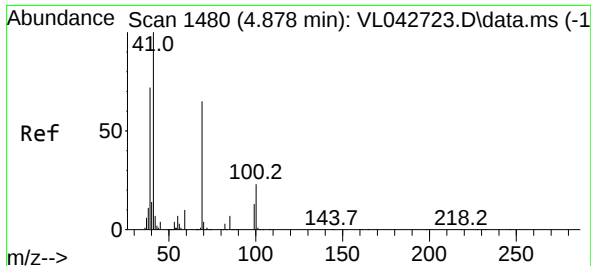
Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 29.8 44.6#



#42
Bromodichloromethane
Concen: 0.073 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 83 Resp: 1724
Ion Ratio Lower Upper
83 100
85 48.5 52.6 78.8#
127 25.0 6.0 9.0#

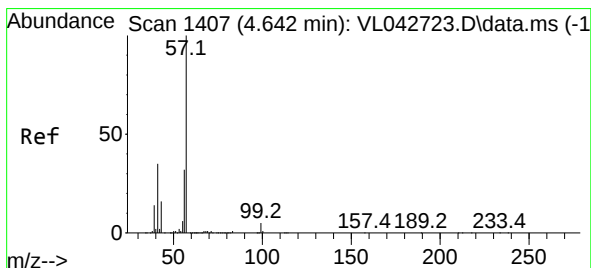
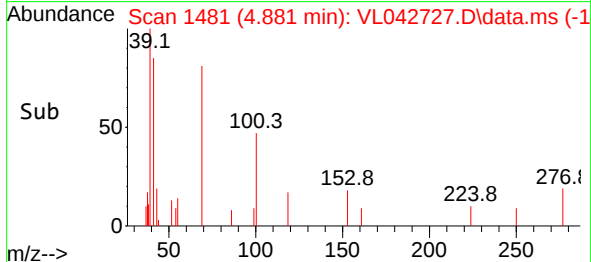
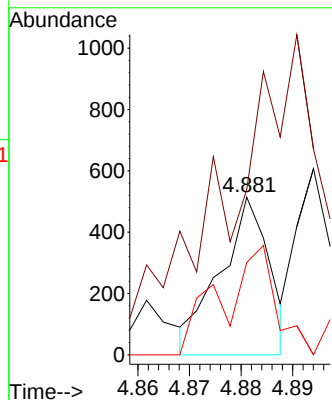
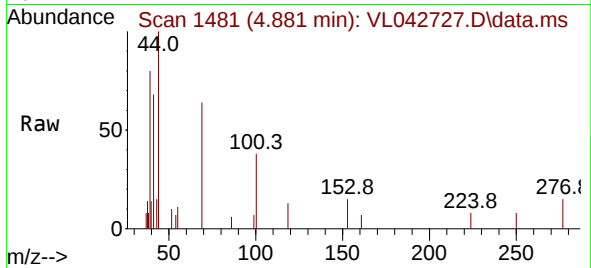




#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

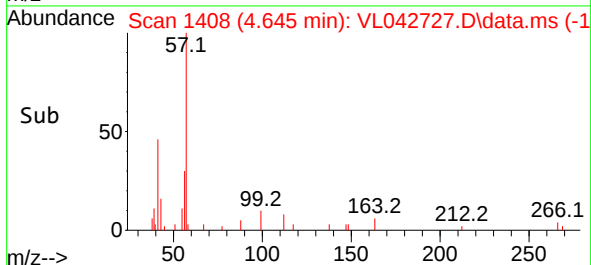
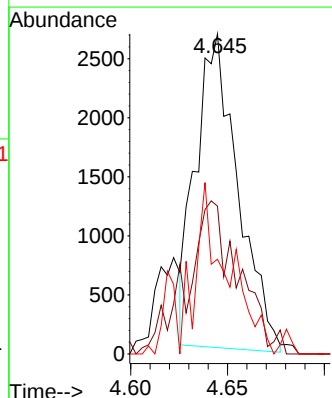
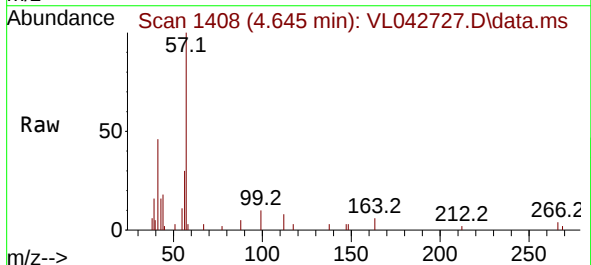
Instrument :
MSVOA_L
ClientSampleId :

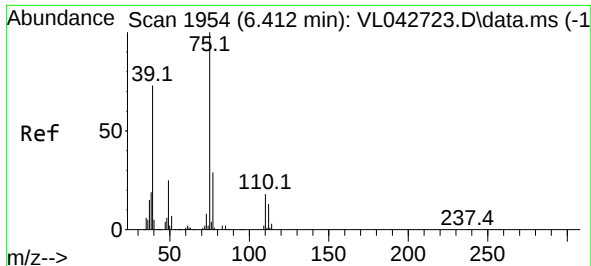
Tgt Ion: 69 Resp: 340
Ion Ratio Lower Upper
69 100
41 0.0 125.8 188.6#
100 137.4 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.086 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 57 Resp: 4033
Ion Ratio Lower Upper
57 100
41 61.4 29.4 44.0#
56 51.1 26.1 39.1#

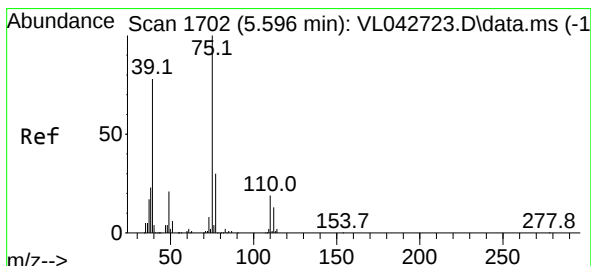
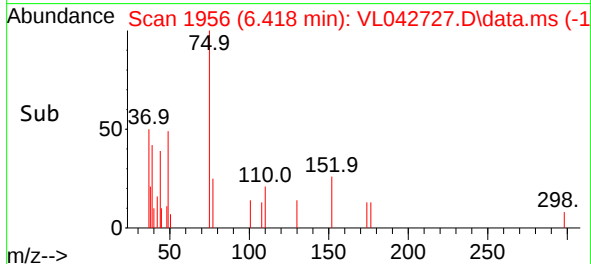
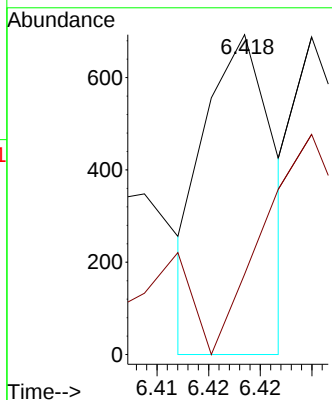
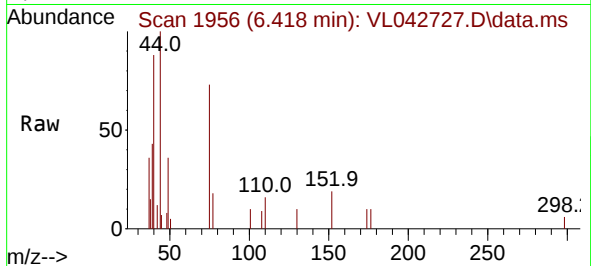




#45
 t-1,3-Dichloropropene
 Concen: 0.024 ppbv
 RT: 6.418 min Scan# 1954
 Delta R.T. 0.007 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

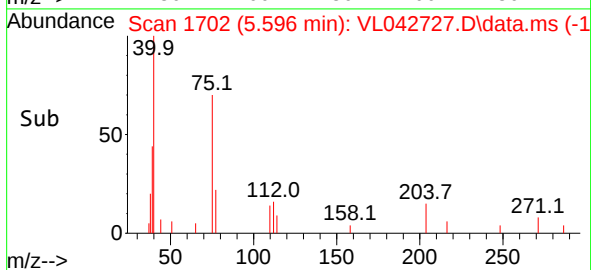
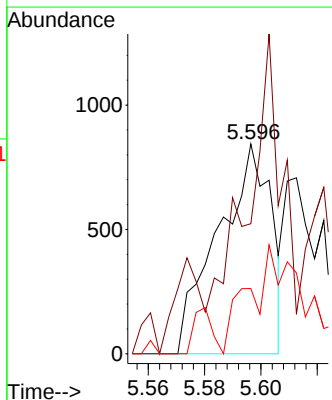
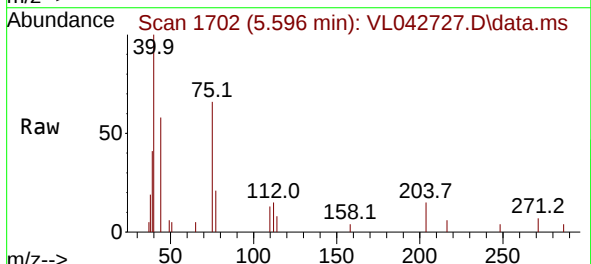
Instrument :
 MSVOA_L
 ClientSampleId :

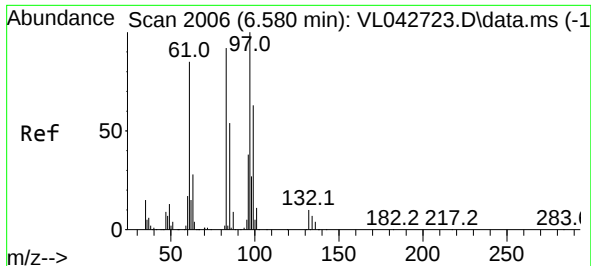
Tgt Ion: 75 Resp: 325
 Ion Ratio Lower Upper
 75 100
 77 25.1 23.0 34.6



#46
 cis-1,3-Dichloropropene
 Concen: 0.070 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Tgt Ion: 75 Resp: 1105
 Ion Ratio Lower Upper
 75 100
 39 30.9 62.1 93.1#
 77 31.2 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 0.046 ppbv

RT: 6.590 min Scan# 2006

Delta R.T. 0.010 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 530

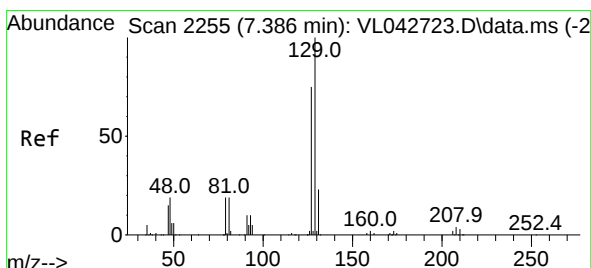
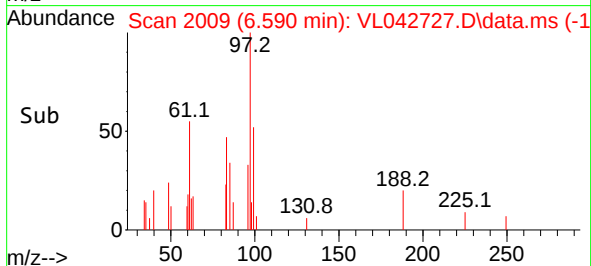
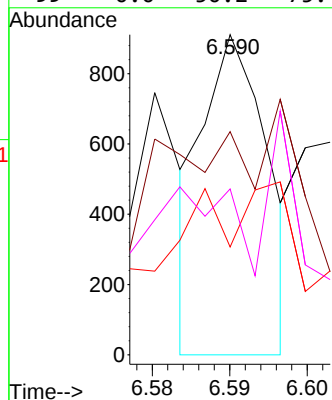
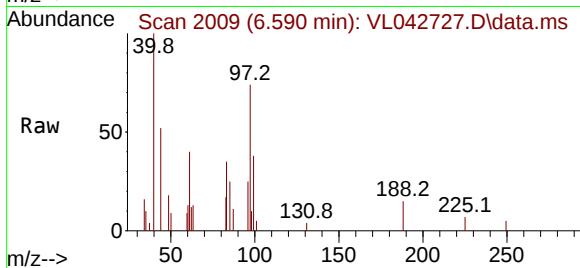
Ion Ratio Lower Upper

97 100

83 13.6 73.2 109.8#

85 0.0 42.7 64.1#

99 0.0 50.2 75.4#



#48

Dibromochloromethane

Concen: 0.104 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.007 min

Lab File: VL042727.D

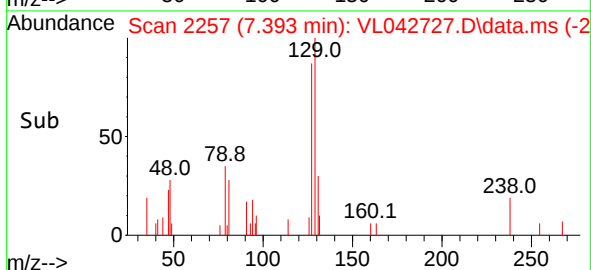
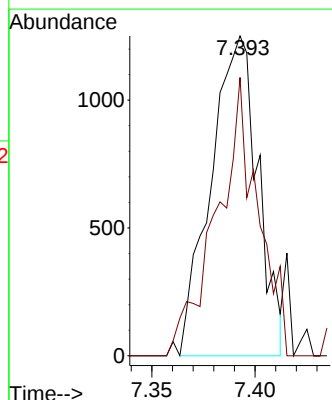
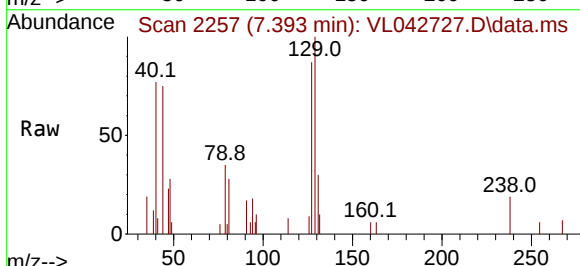
Acq: 22 Jul 2025 11:12

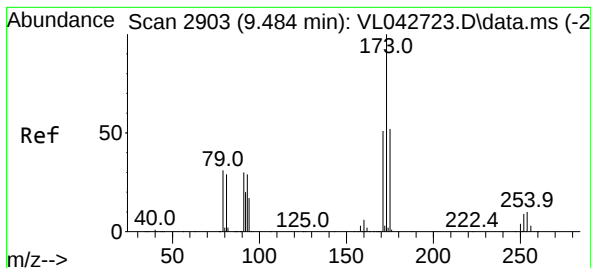
Tgt Ion: 129 Resp: 1989

Ion Ratio Lower Upper

129 100

127 75.9 39.1 117.3





#49

Bromoform

Concen: 0.036 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.007 min

Lab File: VL042727.D

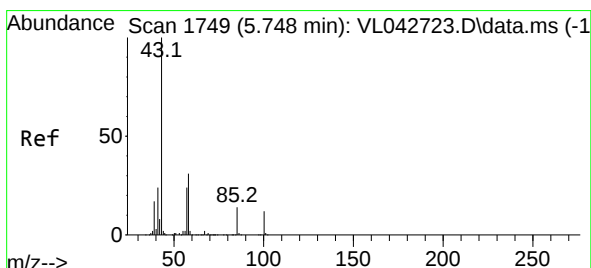
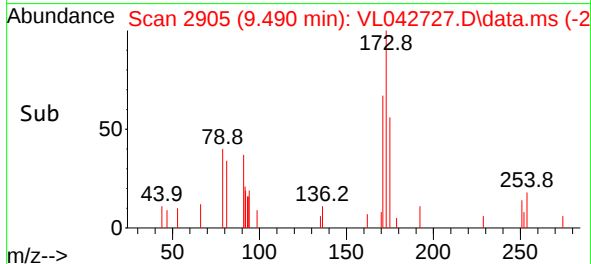
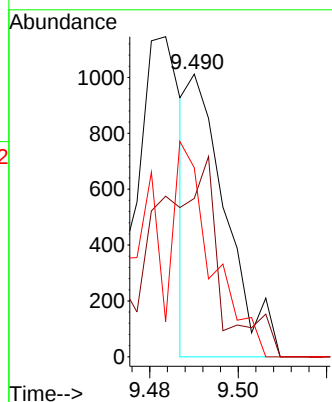
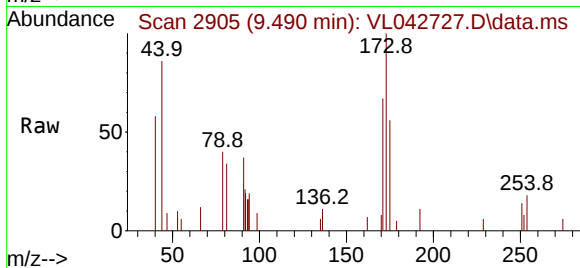
Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	600
Ion	Ratio	Lower Upper
173	100	
175	134.2	38.9 58.3#
171	0.0	41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.008 ppbv

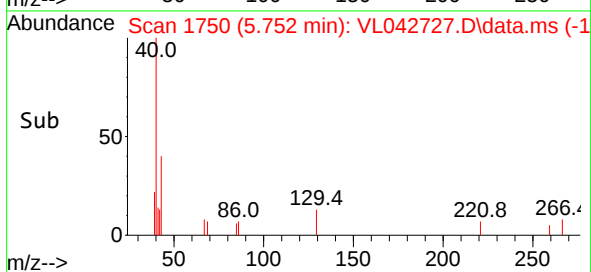
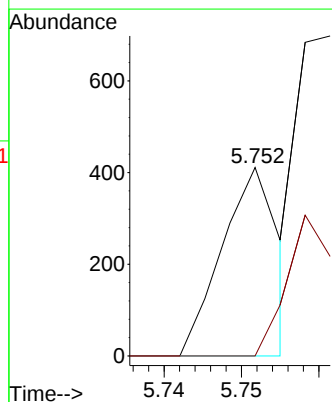
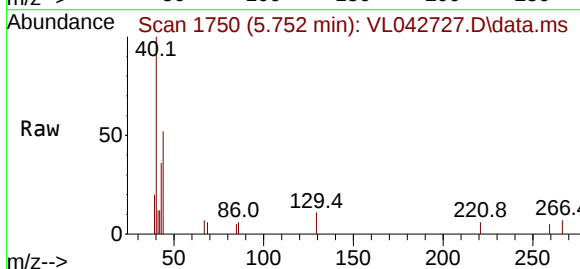
RT: 5.752 min Scan# 1750

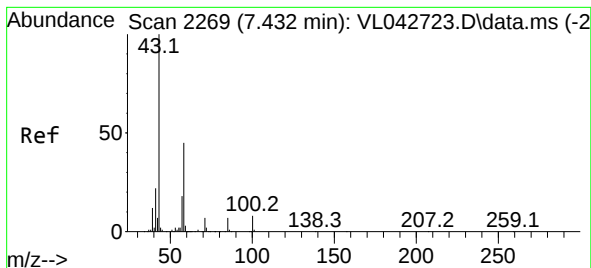
Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Tgt Ion: 43	Resp:	210
Ion	Ratio	Lower Upper
43	100	
58	0.0	27.6 41.4#





#51

2-Hexanone

Concen: 0.022 ppbv

RT: 7.441 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

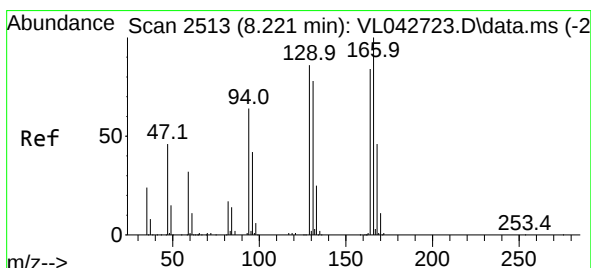
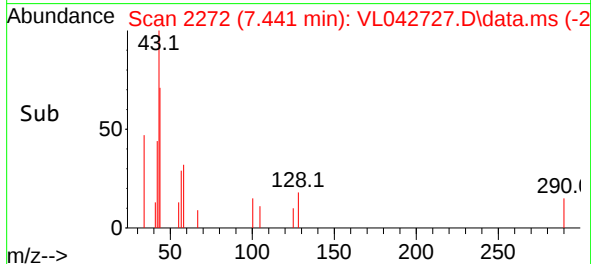
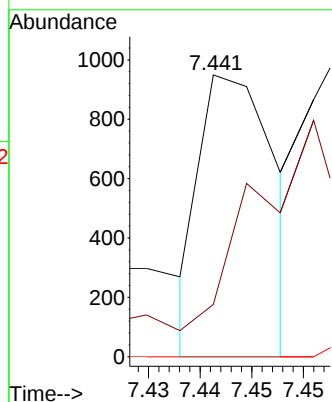
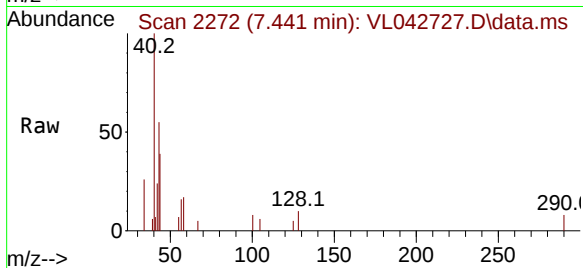
Tgt Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

58 0.0 37.9 56.9#

98 0.0 0.2 0.2#



#52

Tetrachloroethene

Concen: 0.022 ppbv

RT: 8.225 min Scan# 2514

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Tgt Ion: 164 Resp: 246

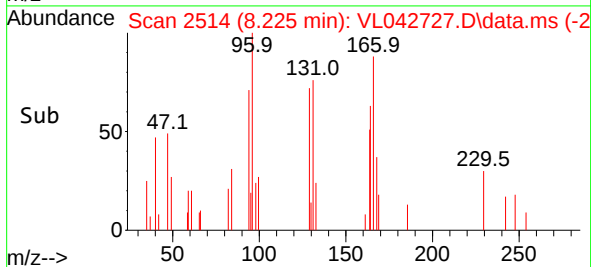
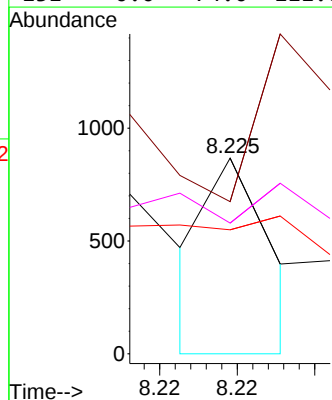
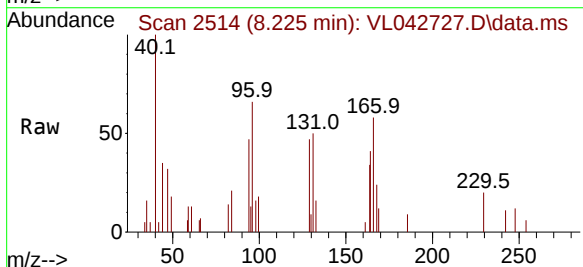
Ion Ratio Lower Upper

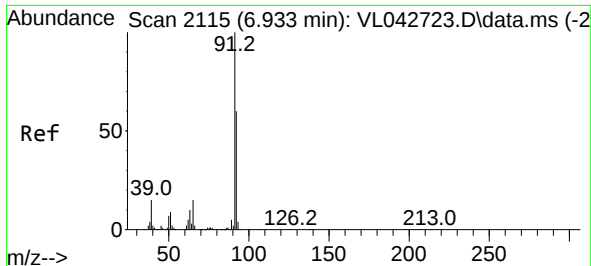
164 100

166 0.0 95.1 142.7#

129 0.0 81.9 122.9#

131 0.0 74.0 111.0#

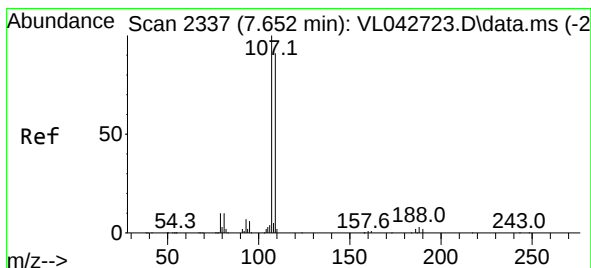
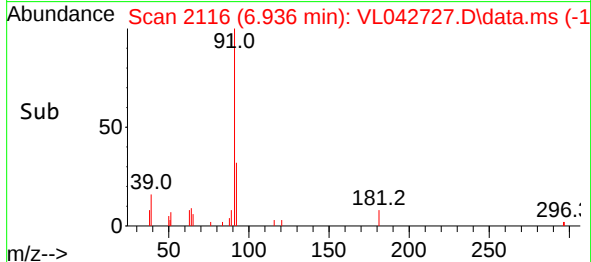
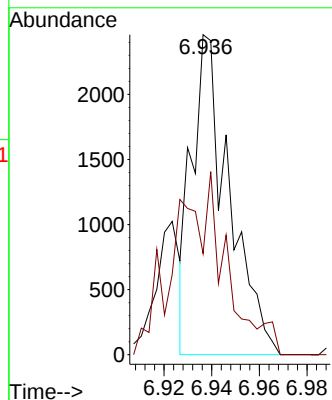
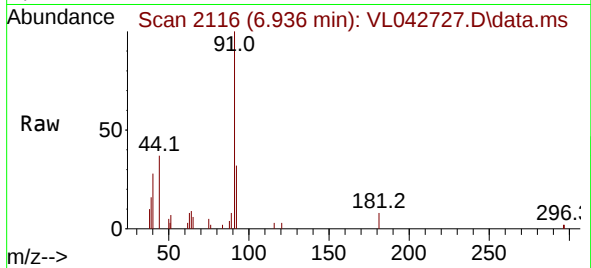




#53
Toluene
Concen: 0.083 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

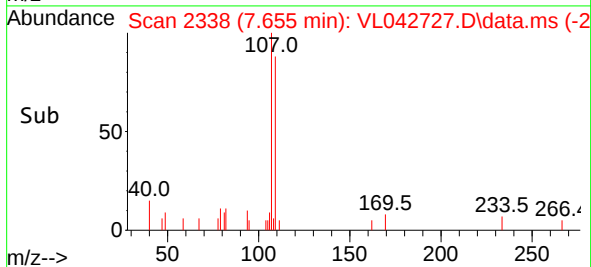
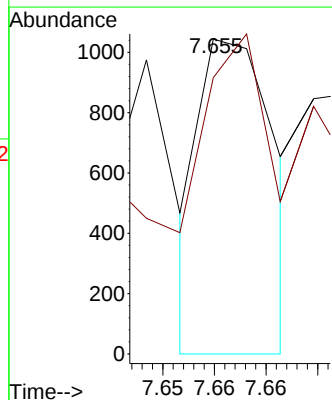
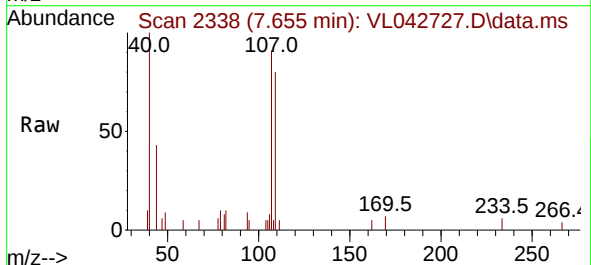
Instrument :
MSVOA_L
ClientSampleId :

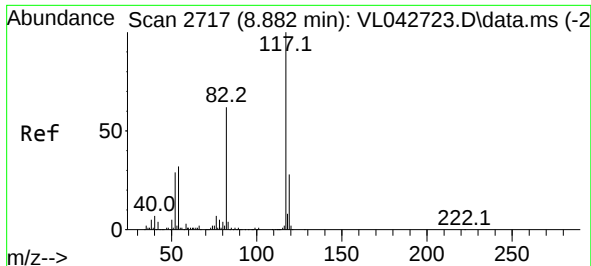
Tgt Ion: 91 Resp: 2659
Ion Ratio Lower Upper
91 100
92 78.4 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 0.031 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 107 Resp: 527
Ion Ratio Lower Upper
107 100
109 89.1 72.5 108.7

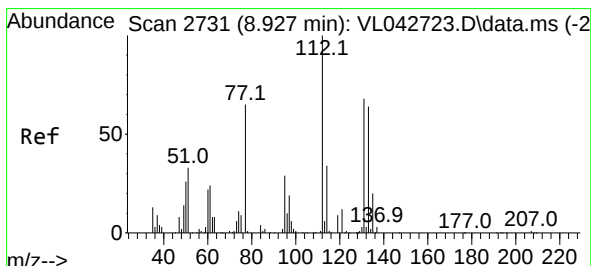
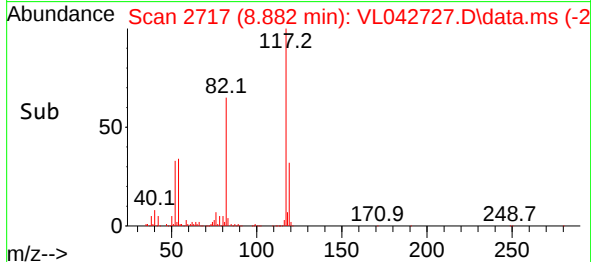
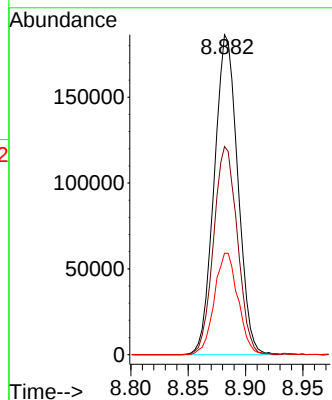
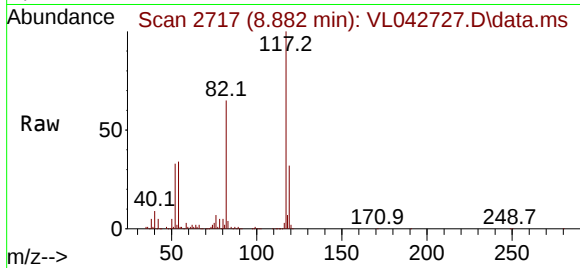




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

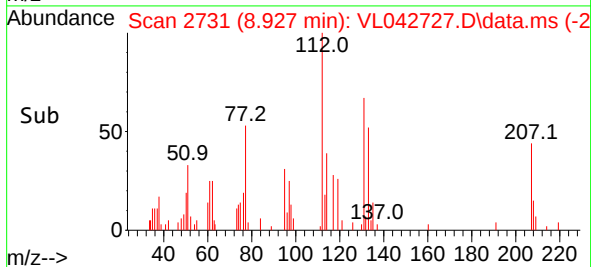
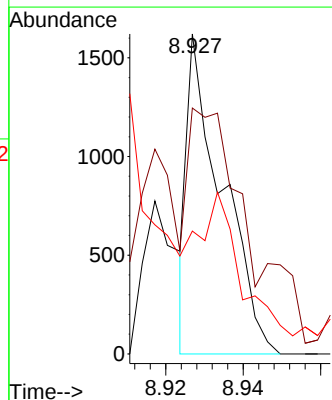
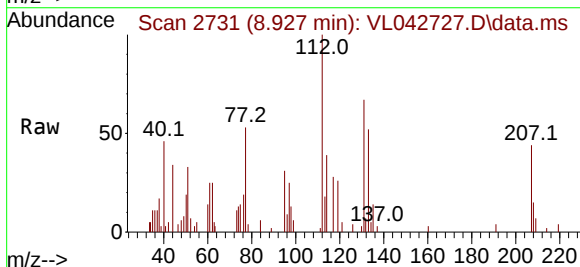
Instrument :
MSVOA_L
ClientSampleId :

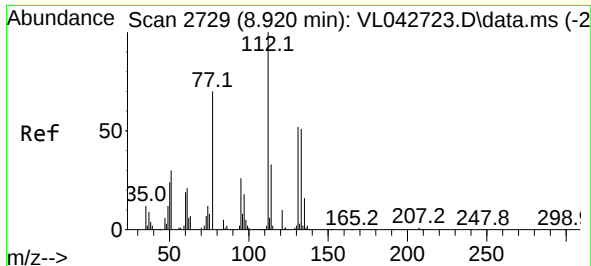
Tgt Ion:117 Resp: 266446
Ion Ratio Lower Upper
117 100
82 65.8 54.6 81.8
119 32.2 25.3 37.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.070 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion:131 Resp: 1010
Ion Ratio Lower Upper
131 100
133 220.2 77.4 116.0#
119 0.0 48.6 73.0#

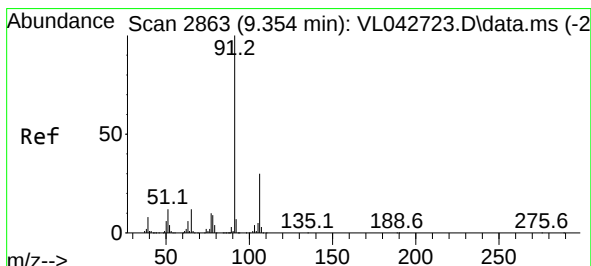
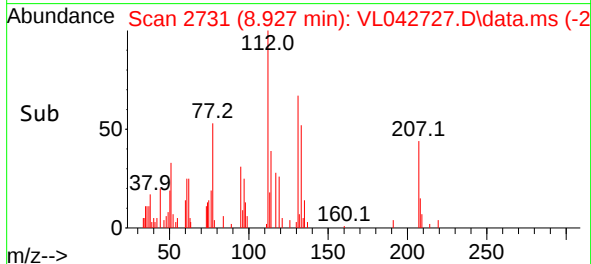
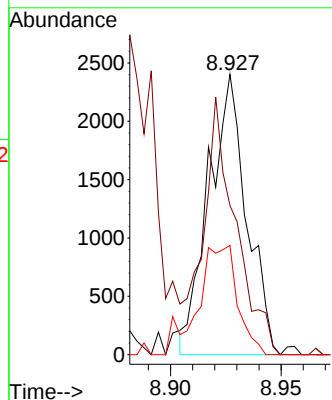
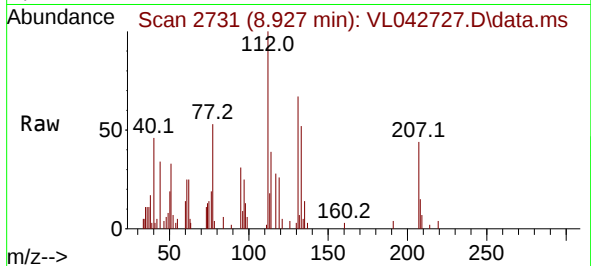




#57
Chlorobenzene
Concen: 0.113 ppbv
RT: 8.927 min Scan# 2119
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

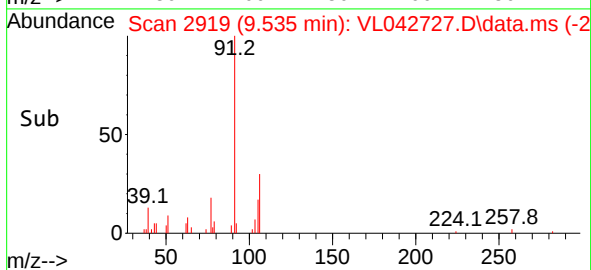
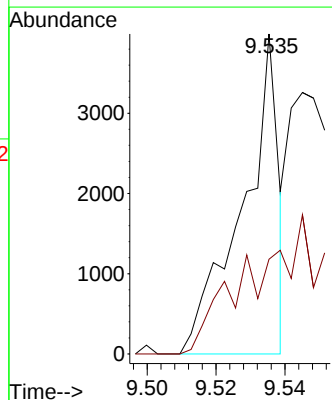
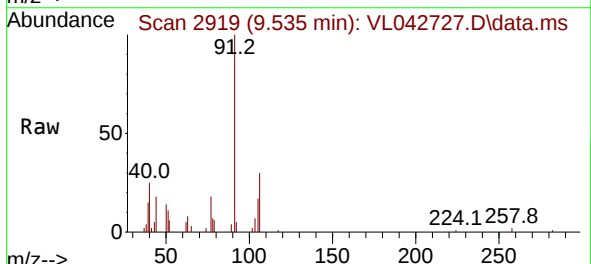
Instrument :
MSVOA_L
ClientSampleId :

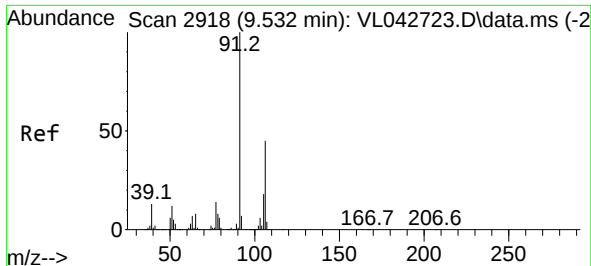
Tgt Ion:112 Resp: 2880
Ion Ratio Lower Upper
112 100
77 53.2 57.2 85.8#
114 39.0 29.8 36.4#



#58
Ethyl Benzene
Concen: 0.065 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. 0.181 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion: 91 Resp: 2885
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5





#59

m/p-Xylene

Concen: 0.081 ppbv

RT: 9.535 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

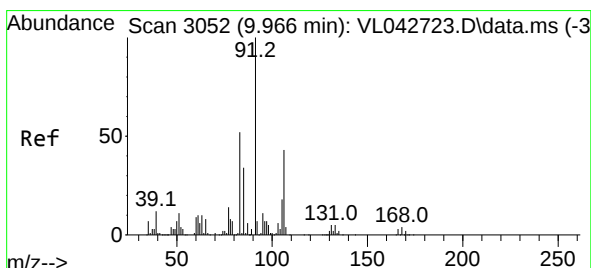
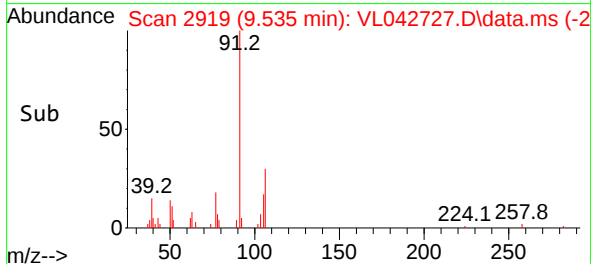
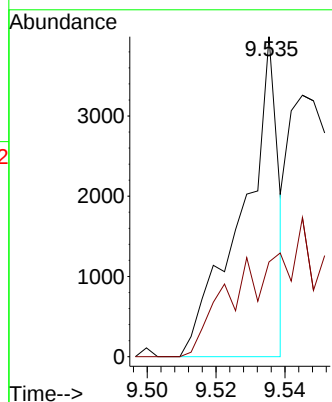
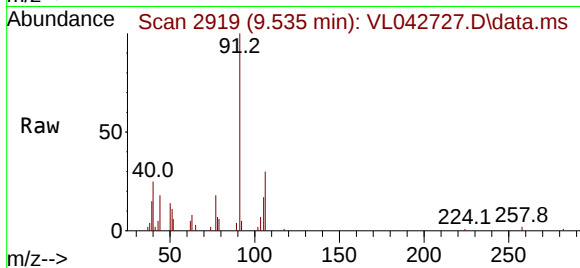
ClientSampleId :

Tgt Ion: 91 Resp: 2885

Ion Ratio Lower Upper

91 100

106 0.0 37.3 55.9#



#60

o-Xylene

Concen: 0.068 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042727.D

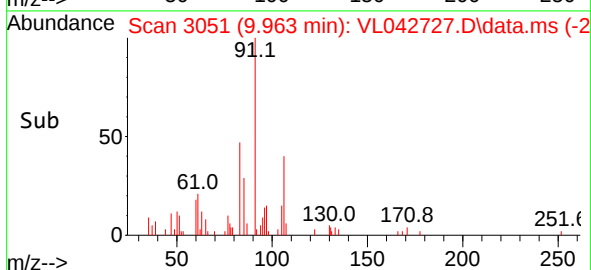
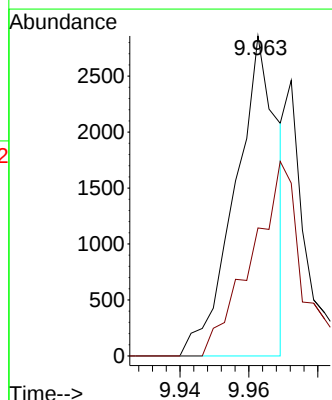
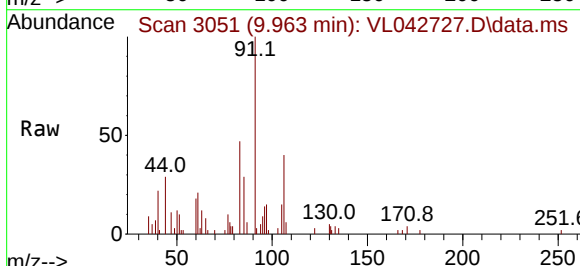
Acq: 22 Jul 2025 11:12

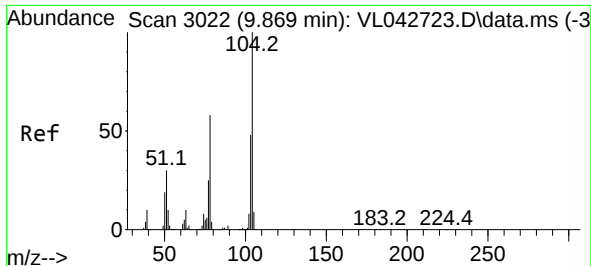
Tgt Ion: 91 Resp: 2436

Ion Ratio Lower Upper

91 100

106 0.0 21.4 64.3#

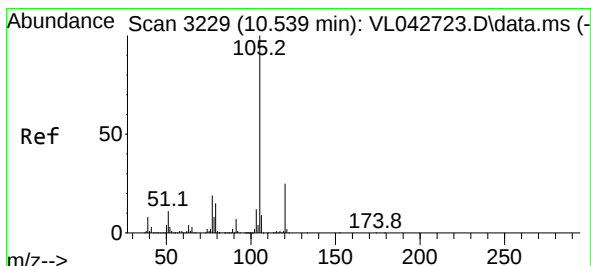
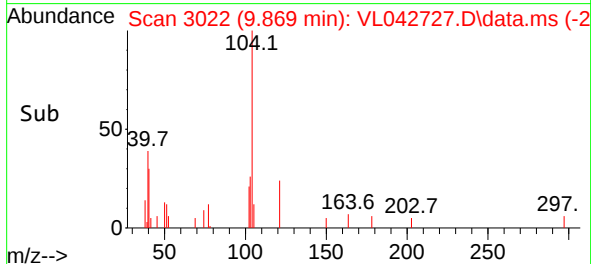
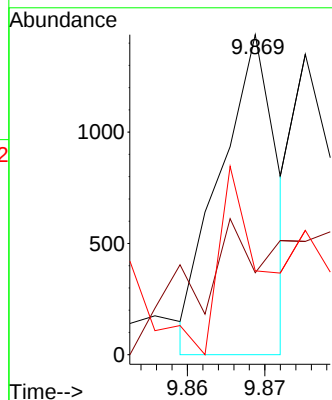
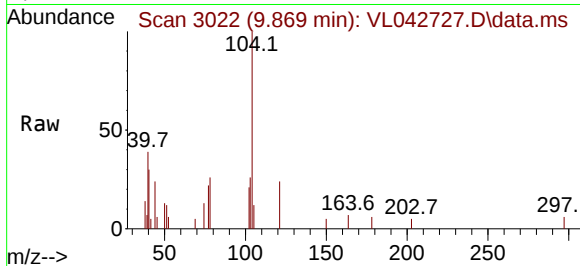




#61
Styrene
Concen: 0.048 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

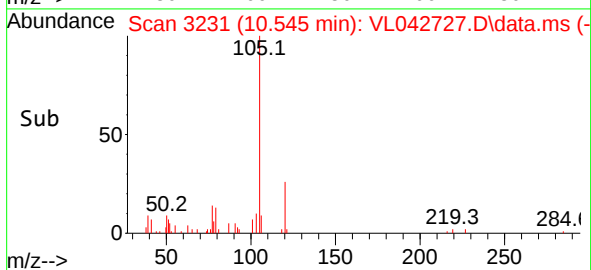
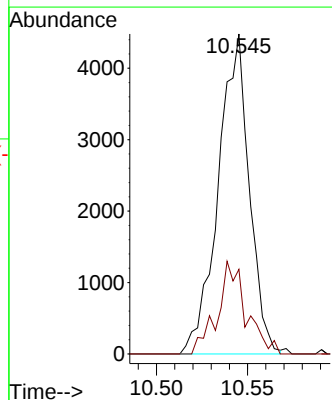
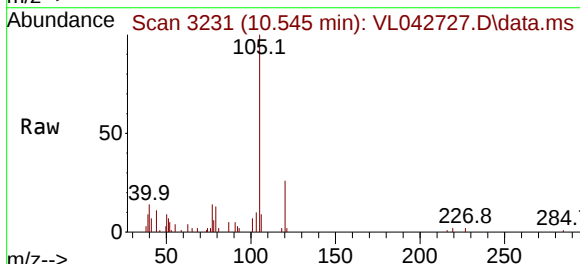
Instrument :
MSVOA_L
ClientSampleId :

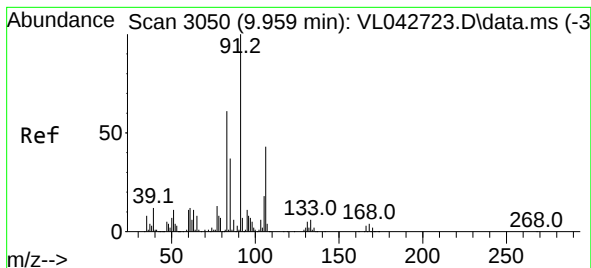
Tgt Ion:104 Resp: 741
Ion Ratio Lower Upper
104 100
78 110.7 43.4 65.2#
103 117.0 37.8 56.6#



#62
Isopropylbenzene
Concen: 0.099 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion:105 Resp: 5304
Ion Ratio Lower Upper
105 100
120 26.7 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.014 ppbv

RT: 9.969 min Scan# 3050

Delta R.T. 0.010 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

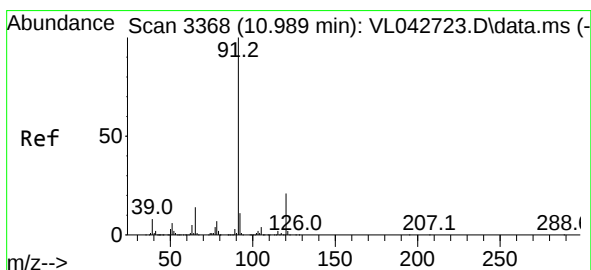
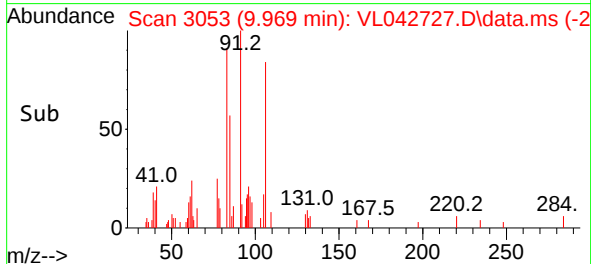
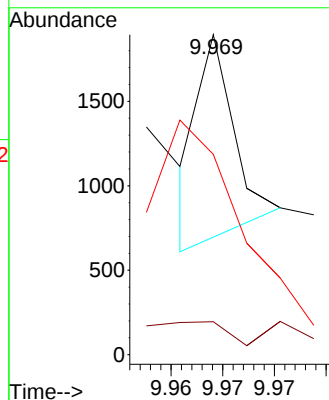
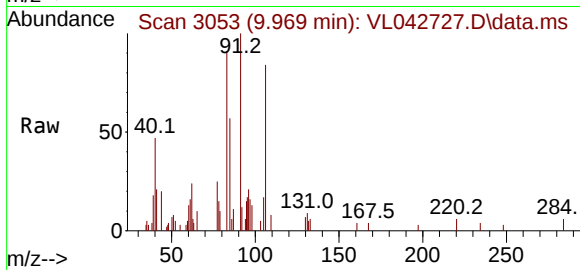
Tgt Ion: 83 Resp: 297

Ion Ratio Lower Upper

83 100

131 64.6 5.2 15.6#

85 450.5 32.1 96.5#



#64

n-propylbenzene

Concen: 0.081 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL042727.D

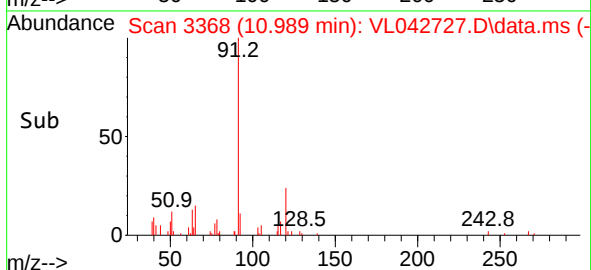
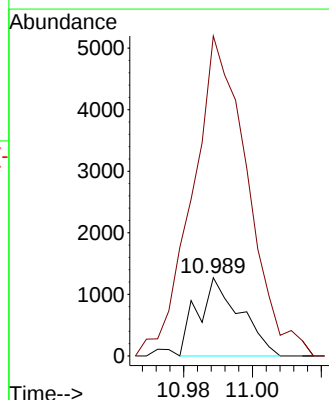
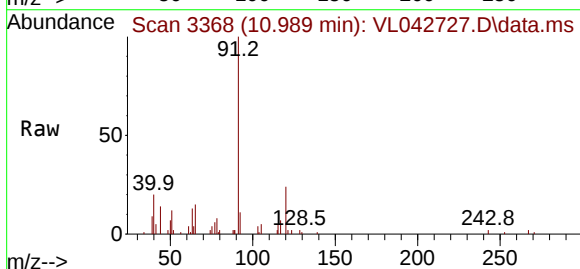
Acq: 22 Jul 2025 11:12

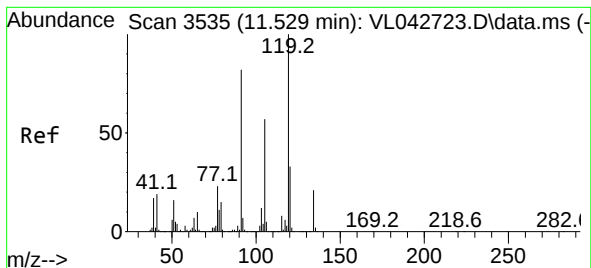
Tgt Ion: 120 Resp: 1086

Ion Ratio Lower Upper

120 100

91 531.8 377.4 566.0

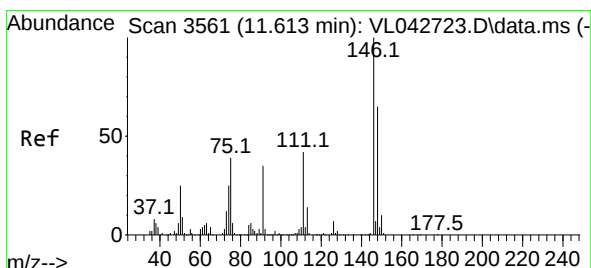
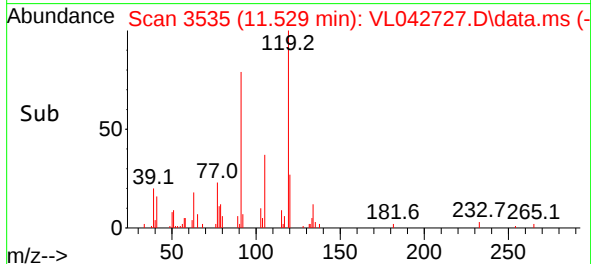
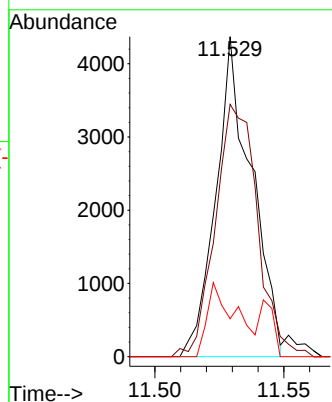
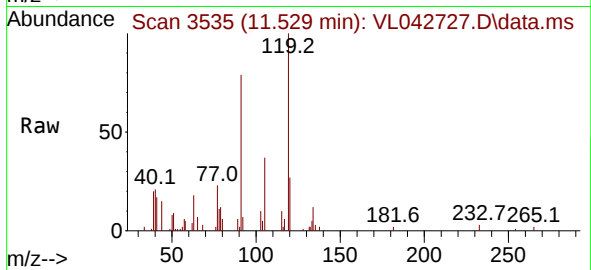




#65
tert-Butylbenzene
Concen: 0.088 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

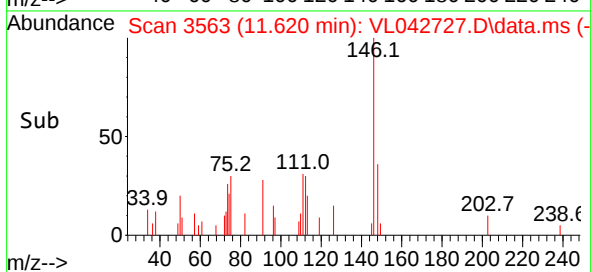
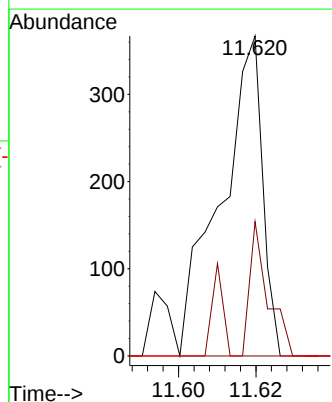
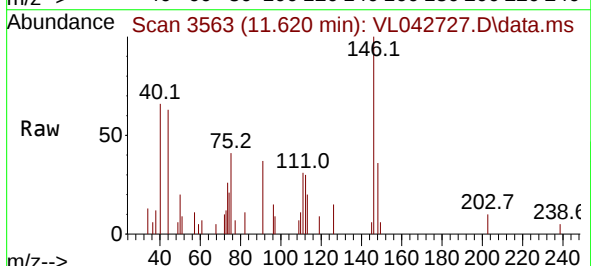
Instrument :
MSVOA_L
ClientSampleId :

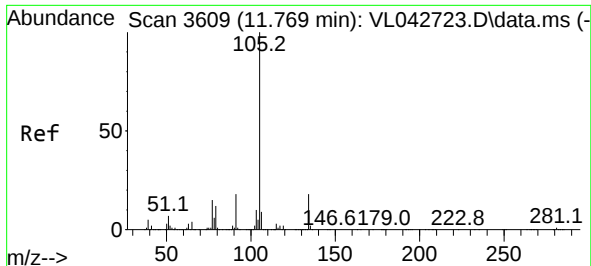
Tgt Ion:119 Resp: 4192
Ion Ratio Lower Upper
119 100
91 93.3 66.5 99.7
134 25.4 16.7 25.1#



#66
Benzyl Chloride
Concen: 0.061 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

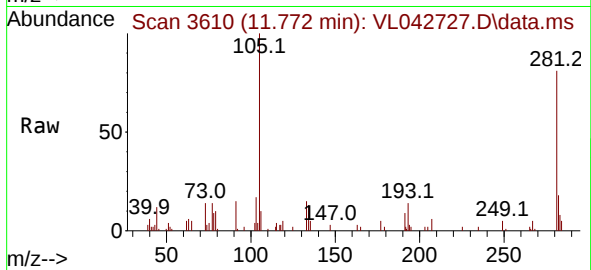
Tgt Ion: 91 Resp: 275
Ion Ratio Lower Upper
91 100
126 25.8 15.0 22.4#
128 0.0 5.0 7.6#



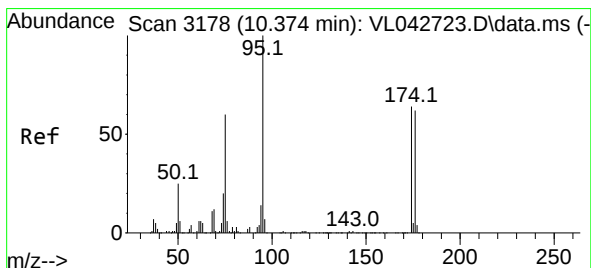
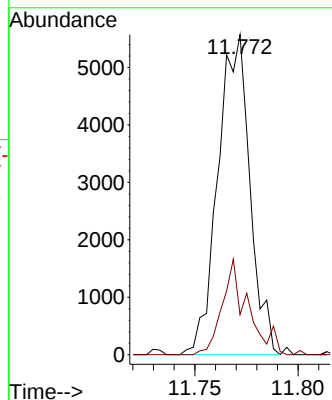
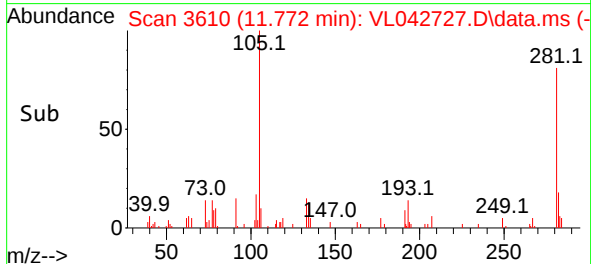


#67
 sec-Butylbenzene
 Concen: 0.091 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

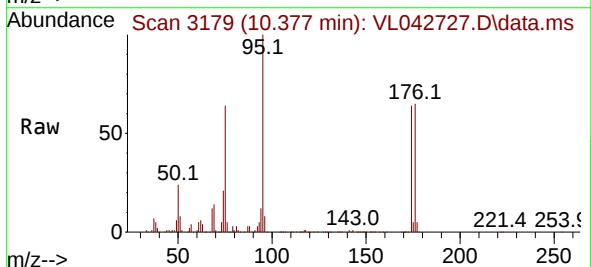
Instrument :
 MSVOA_L
 ClientSampleId :



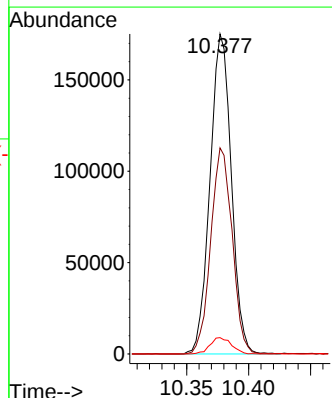
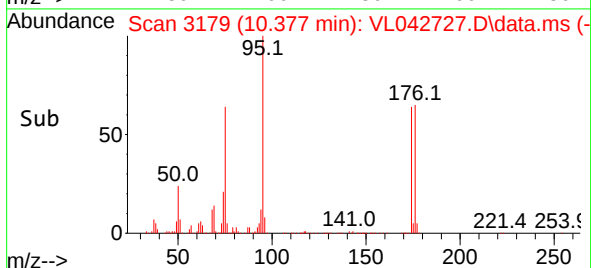
Tgt Ion:105 Resp: 6011
 Ion Ratio Lower Upper
 105 100
 134 24.2 15.0 22.4#

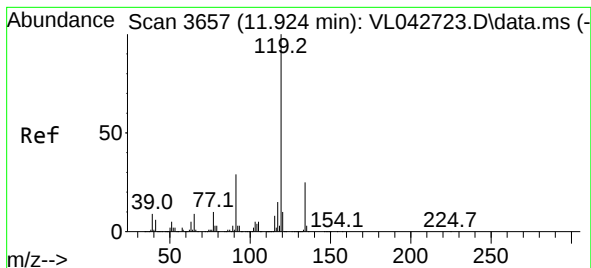


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.750 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12



Tgt Ion: 95 Resp: 209962
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.4 77.2
 175 5.1 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.081 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

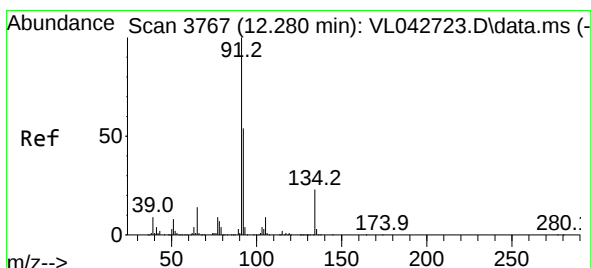
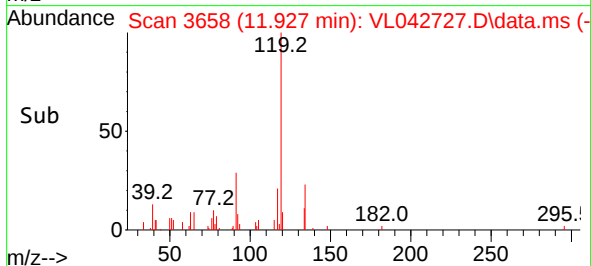
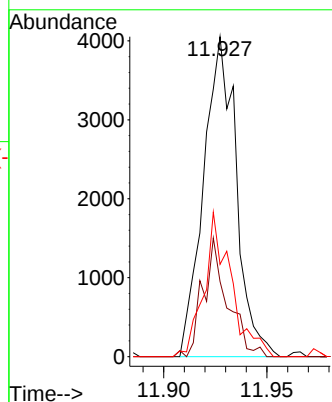
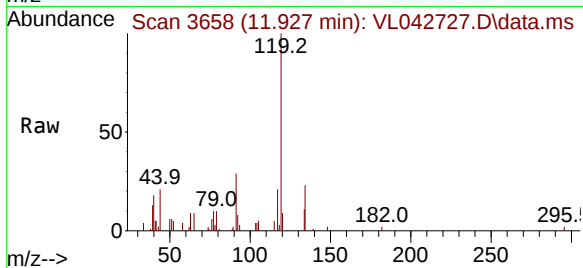
Tgt Ion:119 Resp: 4459

Ion Ratio Lower Upper

119 100

134 27.9 19.8 29.6

91 37.3 23.9 35.9#



#70

n-Butylbenzene

Concen: 0.070 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

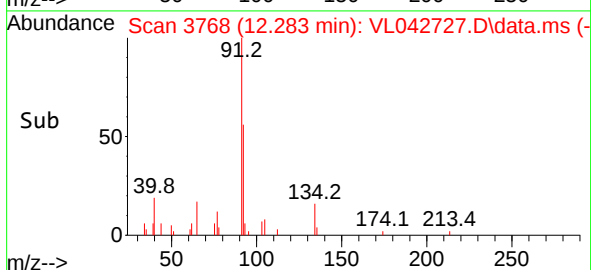
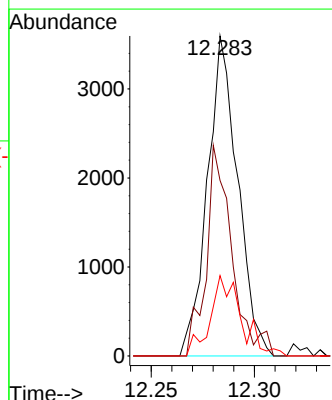
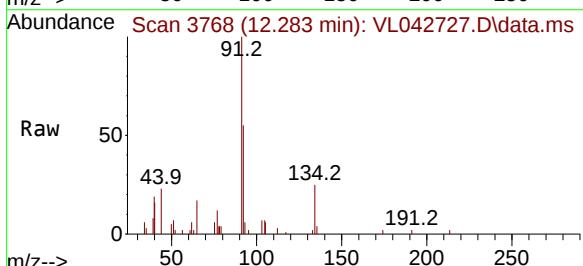
Tgt Ion: 91 Resp: 3668

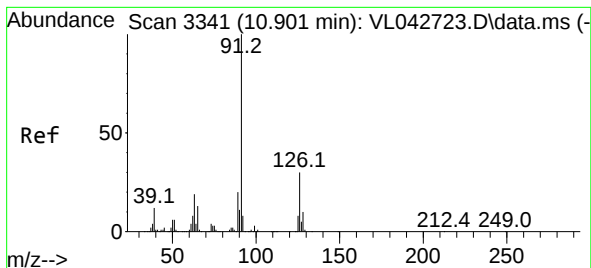
Ion Ratio Lower Upper

91 100

92 55.5 43.2 64.8

134 25.6 19.0 28.6

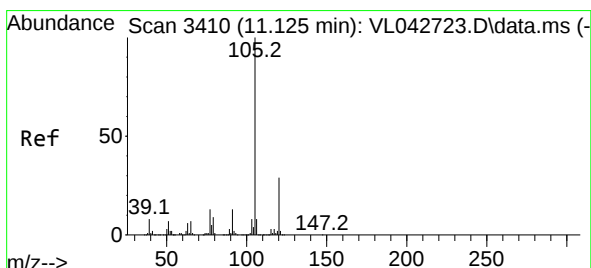
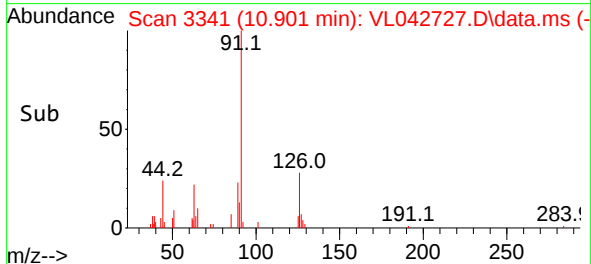
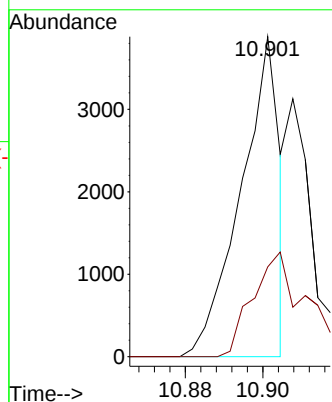
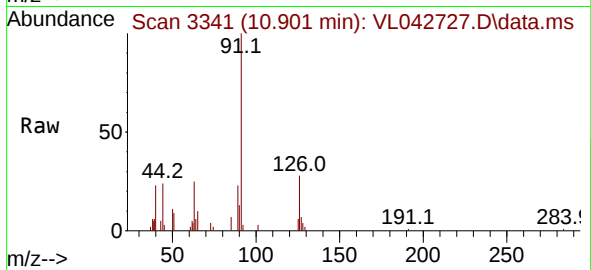




#71
2-Chlorotoluene
Concen: 0.067 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

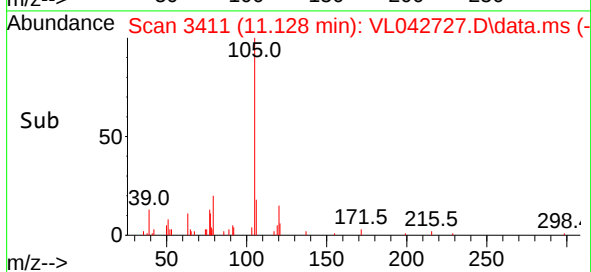
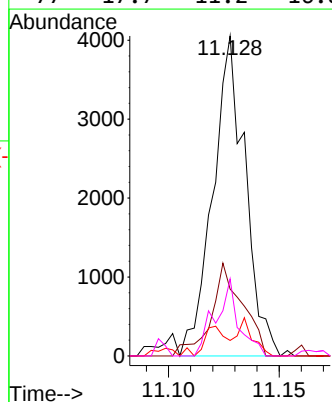
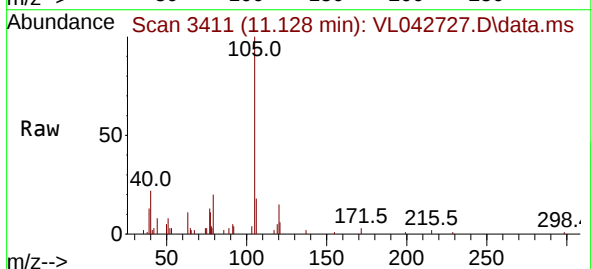
Instrument :
MSVOA_L
ClientSampleId :

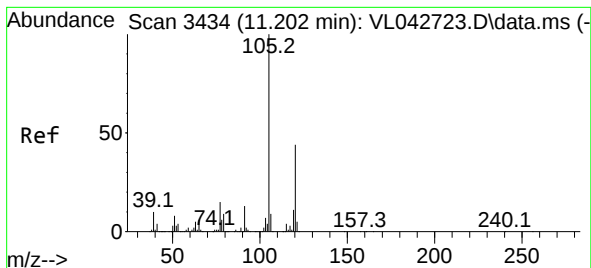
Tgt Ion: 91 Resp: 2696
Ion Ratio Lower Upper
91 100
126 44.4 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.096 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Tgt Ion:105 Resp: 4106
Ion Ratio Lower Upper
105 100
120 29.0 23.4 35.0
91 13.4 10.6 15.8
77 17.7 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.084 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

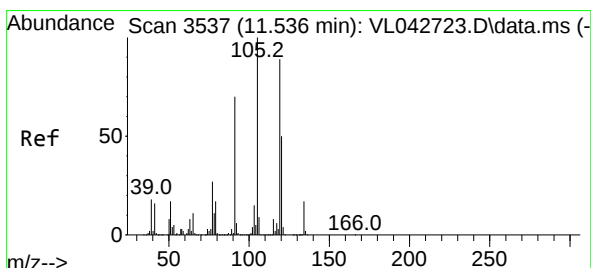
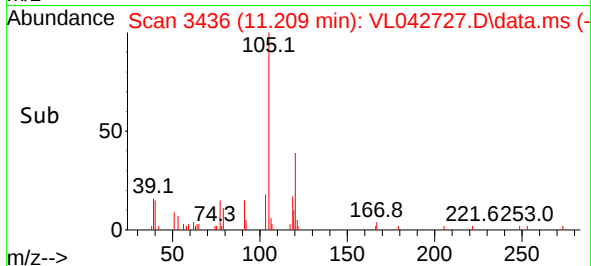
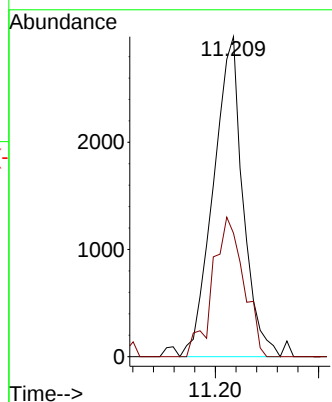
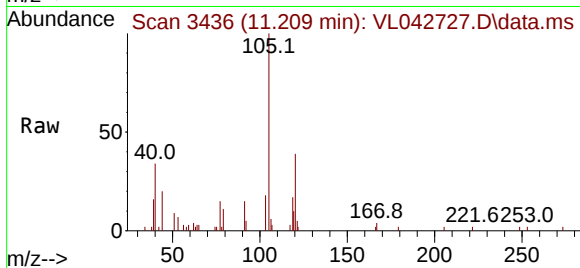
ClientSampleId :

Tgt Ion:105 Resp: 2972

Ion Ratio Lower Upper

105 100

120 38.6 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 0.084 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Tgt Ion:105 Resp: 3254

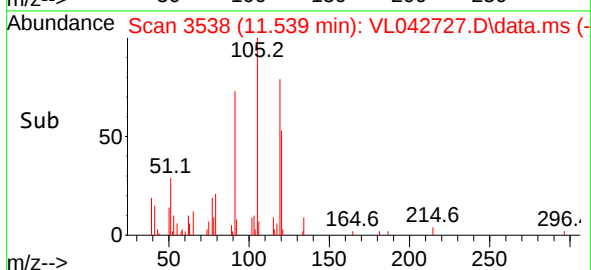
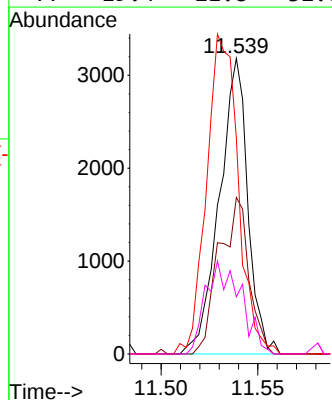
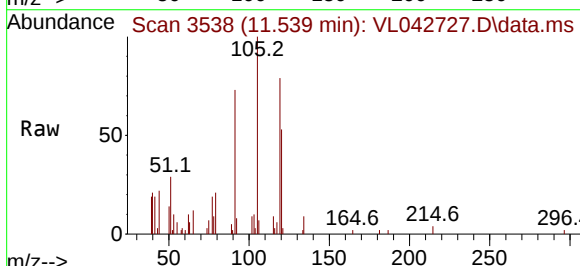
Ion Ratio Lower Upper

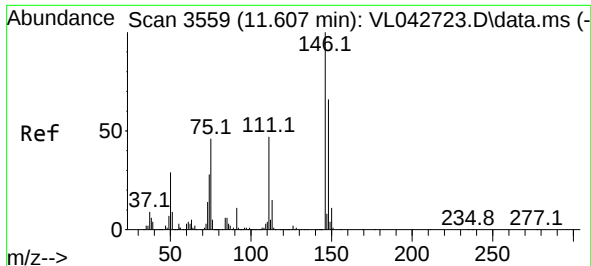
105 100

120 52.9 39.9 59.9

91 73.0 56.5 84.7

77 19.4 21.8 32.6#





#75

1,3-Dichlorobenzene

Concen: 0.091 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

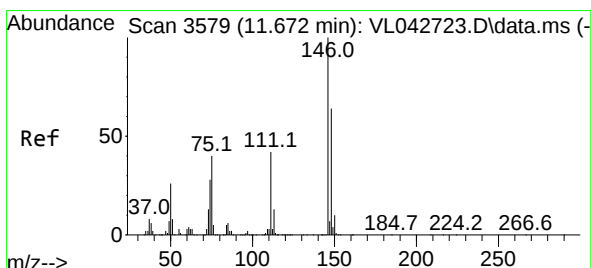
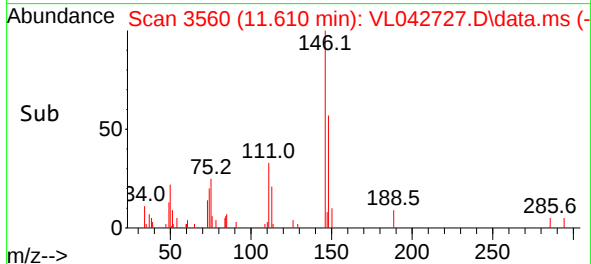
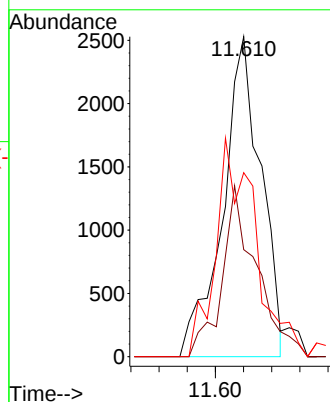
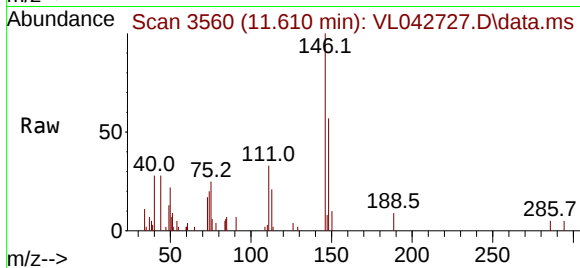
Tgt Ion:146 Resp: 2377

Ion Ratio Lower Upper

146 100

111 48.2 23.5 70.5

148 72.7 32.6 98.0



#76

1,4-Dichlorobenzene

Concen: 0.100 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

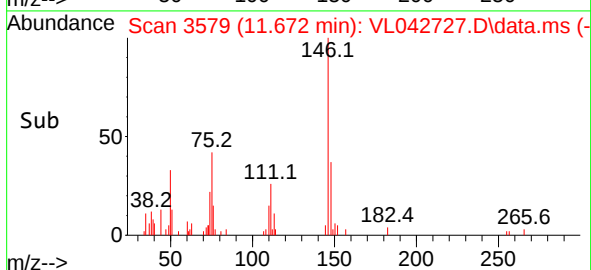
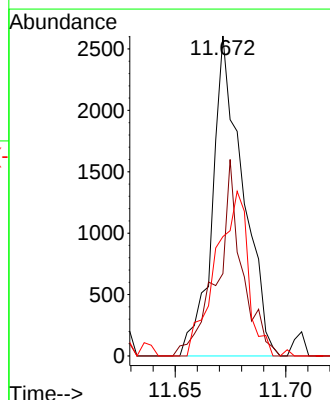
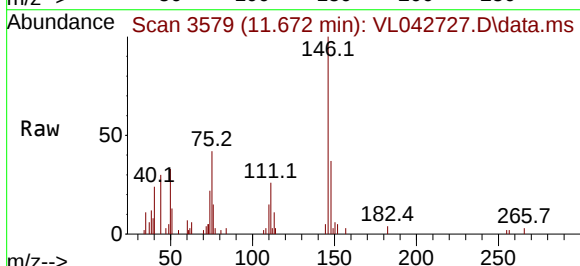
Tgt Ion:146 Resp: 2508

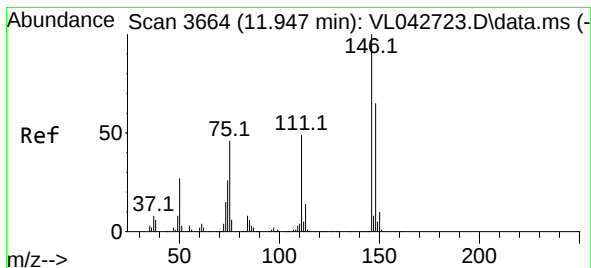
Ion Ratio Lower Upper

146 100

111 49.8 22.1 66.1

148 54.6 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.092 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.007 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

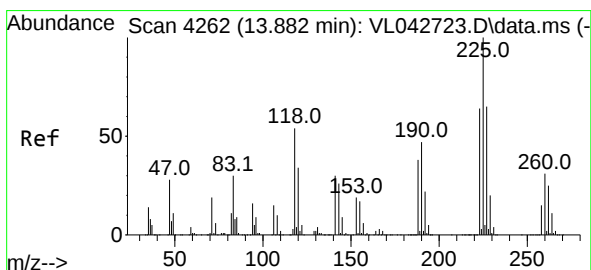
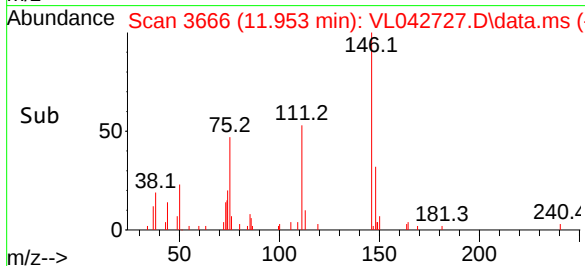
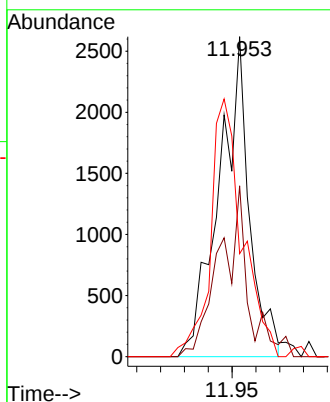
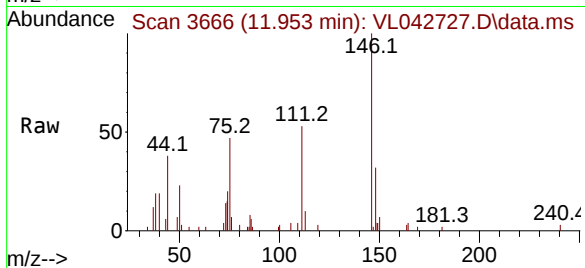
Tgt Ion:146 Resp: 2305

Ion Ratio Lower Upper

146 100

111 50.4 24.9 74.6

148 85.3 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.114 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

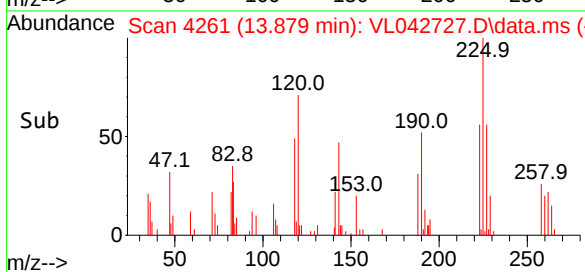
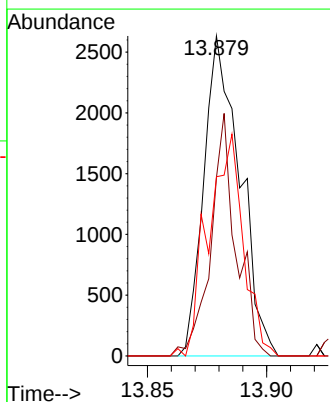
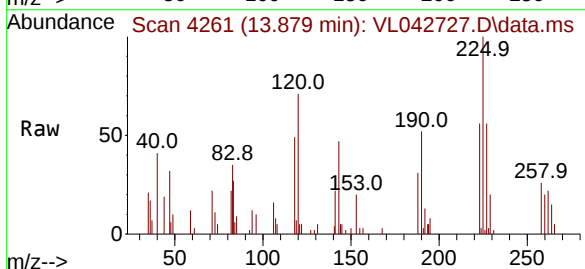
Tgt Ion:225 Resp: 2771

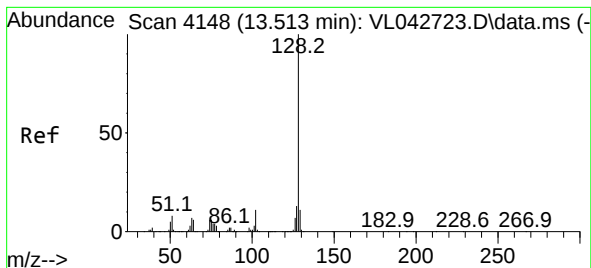
Ion Ratio Lower Upper

225 100

223 53.2 51.3 76.9

227 67.1 51.8 77.8





#79

Naphthalene

Concen: 0.035 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.007 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

Instrument :

MSVOA_L

ClientSampleId :

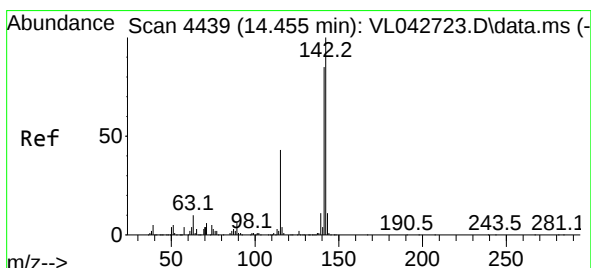
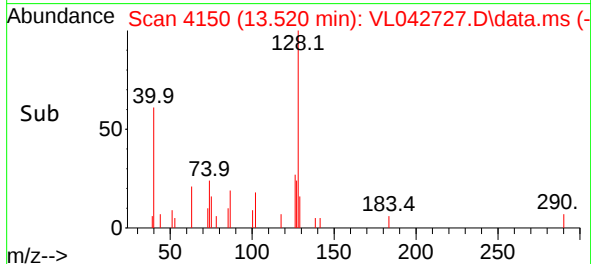
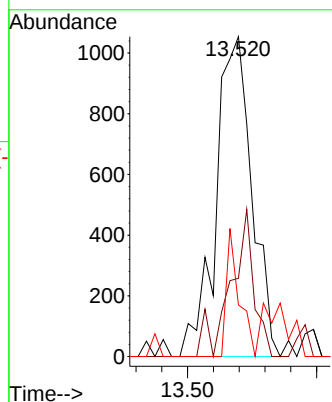
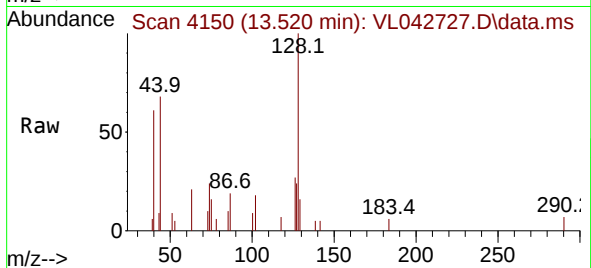
Tgt Ion:128 Resp: 1019

Ion Ratio Lower Upper

128 100

127 24.5 10.3 15.5#

129 16.1 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.002 ppbv

RT: 14.530 min Scan# 4462

Delta R.T. 0.074 min

Lab File: VL042727.D

Acq: 22 Jul 2025 11:12

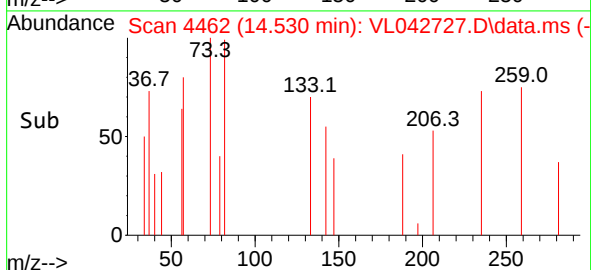
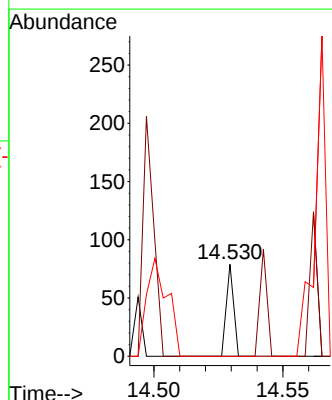
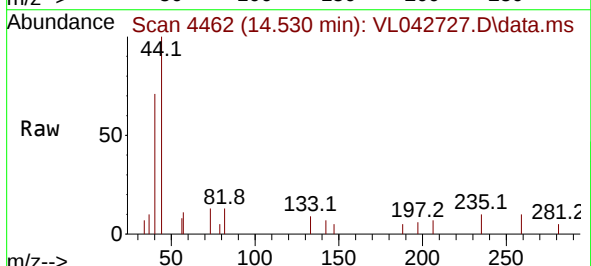
Tgt Ion:142 Resp: 15

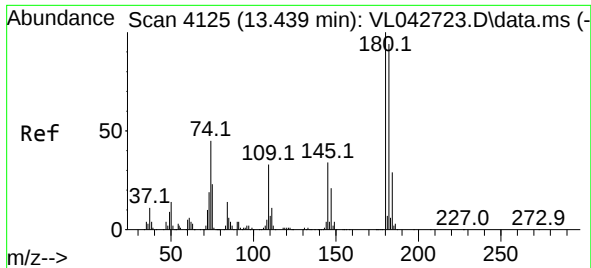
Ion Ratio Lower Upper

142 100

141 393.3 65.6 98.4#

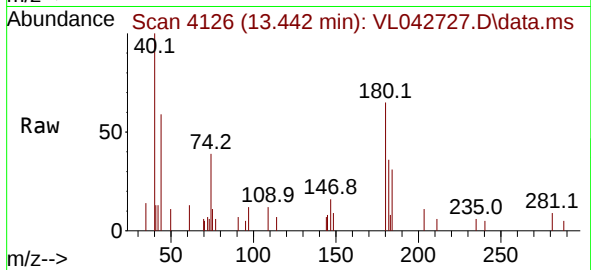
115 480.0 31.7 47.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.025 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 442
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.1 115.7#
 184 0.0 25.0 37.4#

