

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042754.D
 Acq On : 23 Jul 2025 13:00
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Jul 24 05:01:17 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 04:55:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	152358	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	438604	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	393042	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	298283	9.583	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2439	0.121	ppbv	90
3) Chlorodifluoromethane	1.609	51	1060	0.040	ppbv	99
4) Chloromethane	1.532	50	1066	0.131	ppbv	99
5) Vinyl Chloride	1.583	62	837	0.104	ppbv #	60
6) Bromomethane	1.667	94	438	0.141	ppbv	82
7) Chloroethane	1.706	64	526	0.169	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	1725	0.104	ppbv	97
9) Propene	1.486	41	1118	0.117	ppbv #	68
10) Heptane	4.975	43	817	0.032	ppbv #	27
11) Trichlorofluoromethane	1.878	101	2050	0.099	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	1772	0.112	ppbv	96
13) Ethanol	1.891	45	1804	1.545	ppbv	74
14) Bromoethene	1.781	108	778	0.139	ppbv #	54
15) Acetone	1.836	43	3734	0.177	ppbv	95
16) 1,3-Butadiene	1.609	39	976	0.109	ppbv #	41
17) tert-Butyl alcohol	2.040	59	2194	0.116	ppbv #	79
18) 1,1-Dichloroethene	2.036	96	899	0.126	ppbv #	56
19) Isopropyl Alcohol	1.891	45	1804	0.161	ppbv #	59
20) Methylene Chloride	2.062	84	2080	0.314	ppbv #	77
21) Allyl Chloride	2.098	41	1747	0.135	ppbv #	54
22) trans-1,2-Dichloroethene	2.337	96	1116	0.146	ppbv #	63
23) Vinyl Acetate	2.457	43	3460	0.136	ppbv #	61
24) 1,1-Dichloroethane	2.409	63	1620	0.103	ppbv #	90
25) Ethyl Acetate	2.833	43	1813	0.039	ppbv #	67
26) Hexane	2.823	57	1982	0.097	ppbv #	76
27) Carbon Disulfide	2.146	76	1789	0.102	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	1378	0.143	ppbv #	60
29) Chloroform	2.412	83	101	0.003	ppbv	97
30) Cyclohexane	3.852	84	516	0.030	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	2152	0.103	ppbv #	87
32) 1,1,1-Trichloroethane	3.363	97	3550	0.108	ppbv	96
34) 2-Butanone	2.564	43	4086	0.132	ppbv	95
35) Carbon Tetrachloride	3.768	117	796	0.024	ppbv	96
36) Benzene	3.658	78	1246	0.030	ppbv	96
37) 1,2-Dichloroethane	3.218	62	1114	0.044	ppbv #	57
38) Trichloroethene	4.538	130	333	0.017	ppbv #	29
39) 1,2-Dichloropropane	3.956	63	113176	7.376	ppbv #	21
40) 1,4-Dioxane	4.603	88	294	0.041	ppbv #	39
41) Tetrahydrofuran	3.050	42	83	0.005	ppbv #	38
42) Bromodichloromethane	4.483	83	1563	0.048	ppbv #	84
43) Methyl Methacrylate	4.865	69	298	0.020	ppbv #	1
44) 2,2,4-Trimethylpentane	4.639	57	1109	0.016	ppbv #	1
45) t-1,3-Dichloropropene	6.412	75	912	0.055	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042754.D
 Acq On : 23 Jul 2025 13:00
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

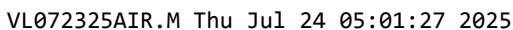
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 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

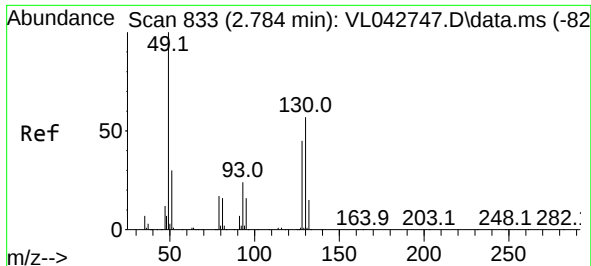
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	1232	0.059	ppbv #	42
47) 1,1,2-Trichloroethane	6.577	97	787	0.048	ppbv #	55
48) Dibromochloromethane	7.380	129	1591	0.061	ppbv #	21
49) Bromoform	9.477	173	1201	0.053	ppbv #	29
50) 4-Methyl-2-Pentanone	5.739	43	126	0.003	ppbv #	40
51) 2-Hexanone	7.435	43	436	0.014	ppbv #	30
52) Tetrachloroethene	8.222	164	981	0.057	ppbv #	62
53) Toluene	6.930	91	1198	0.027	ppbv #	1
54) 1,2-Dibromoethane	7.649	107	1080	0.047	ppbv #	52
56) 1,1,1,2-Tetrachloroethane	8.927	131	922	0.045	ppbv #	1
57) Chlorobenzene	8.921	112	4337	0.114	ppbv #	88
58) Ethyl Benzene	9.358	91	2183	0.035	ppbv	100
59) m/p-Xylene	9.539	91	5405	0.109	ppbv #	60
60) o-Xylene	9.963	91	2101	0.042	ppbv #	53
61) Styrene	9.872	104	807	0.039	ppbv #	29
62) Isopropylbenzene	10.536	105	5985	0.082	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.963	83	1989	0.062	ppbv #	49
64) n-propylbenzene	11.025	120	48	0.003	ppbv	74
65) tert-Butylbenzene	11.523	119	4707	0.072	ppbv	91
66) Benzyl Chloride	11.614	91	204	0.038	ppbv #	78
67) sec-Butylbenzene	11.766	105	6449	0.070	ppbv #	90
69) p-Isopropyltoluene	11.924	119	5342	0.071	ppbv	93
70) n-Butylbenzene	12.284	91	4198	0.058	ppbv	94
71) 2-Chlorotoluene	10.905	91	4180	0.075	ppbv	77
72) 4-Ethyltoluene	11.125	105	3597	0.061	ppbv #	82
73) 1,3,5-Trimethylbenzene	11.199	105	3603	0.074	ppbv #	70
74) 1,2,4-Trimethylbenzene	11.536	105	3826	0.072	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	2417	0.065	ppbv #	67
76) 1,4-Dichlorobenzene	11.672	146	3265	0.090	ppbv	95
77) 1,2-Dichlorobenzene	11.947	146	3354	0.092	ppbv	96
78) Hexachloro-1,3-Butadiene	13.883	225	4077	0.123	ppbv	97
79) Naphthalene	13.514	128	2509	0.475	ppbv #	96
80) Naphthalene,2-methyl-	14.468	142	676	1.147	ppbv #	70
81) 1,2,4-Trichlorobenzene	13.442	180	1396	0.475	ppbv #	78

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

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

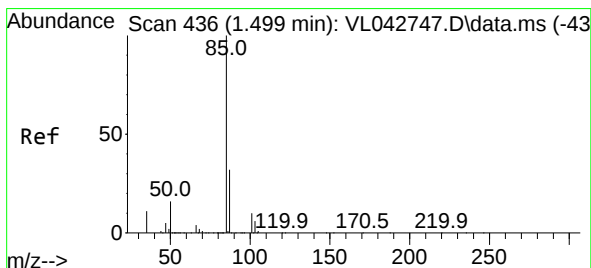
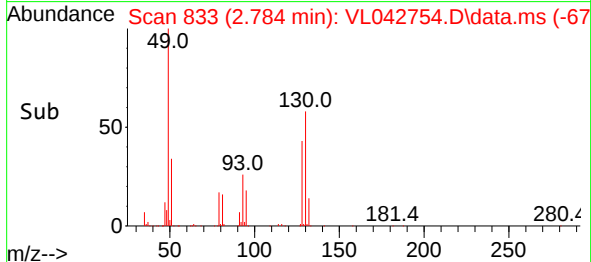
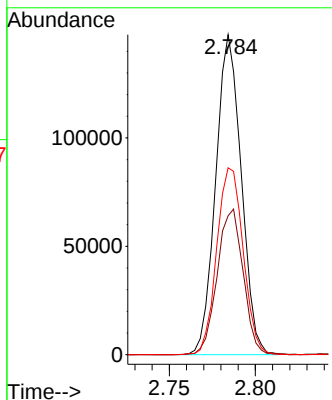
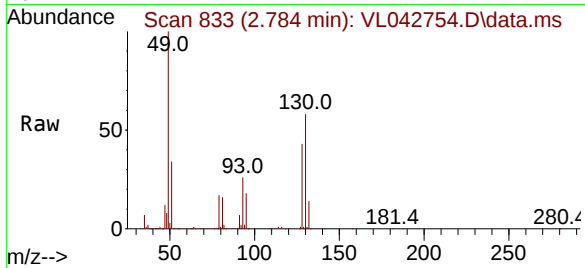




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

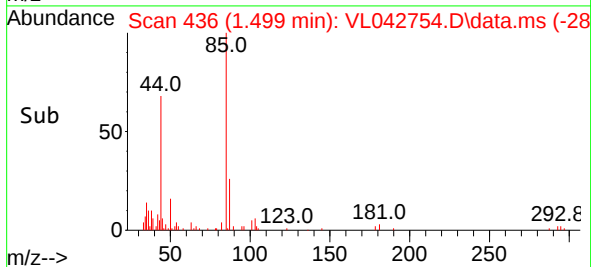
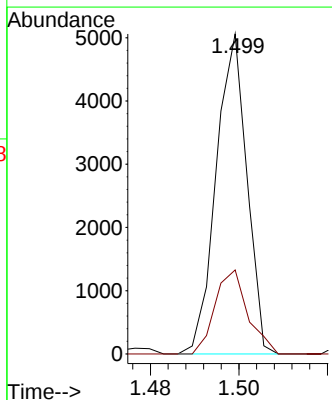
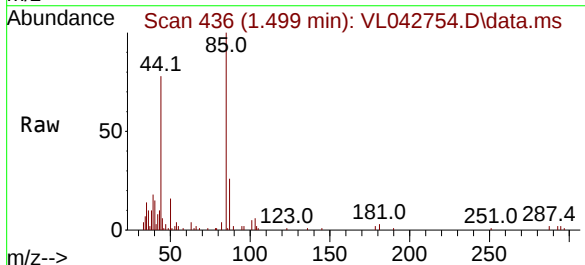
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

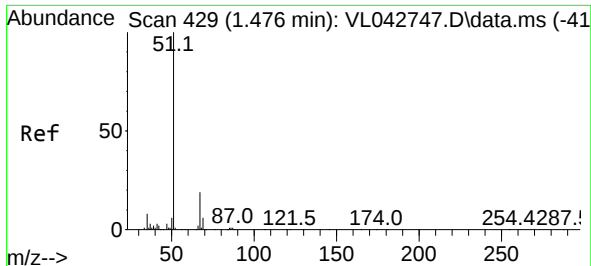
Tgt Ion: 49 Resp: 152358
Ion Ratio Lower Upper
49 100
128 46.3 23.6 71.0
130 60.6 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 2439
Ion Ratio Lower Upper
85 100
87 26.3 25.4 38.2

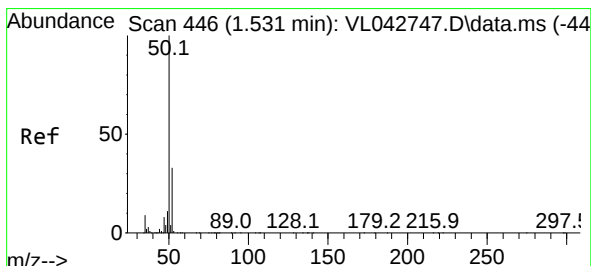
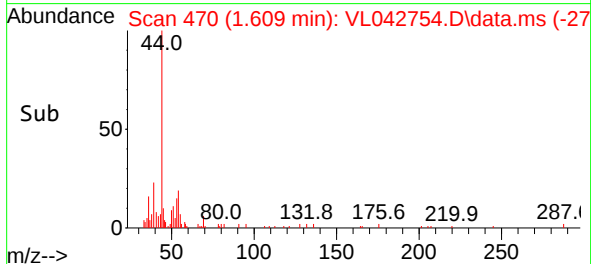
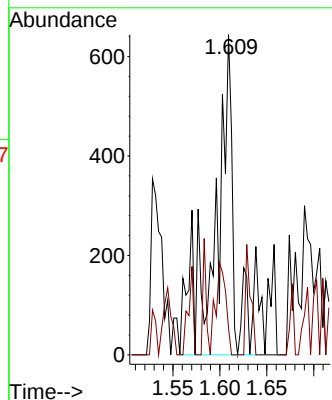
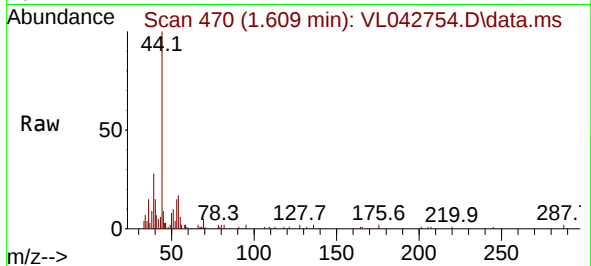




#3
Chlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.133 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

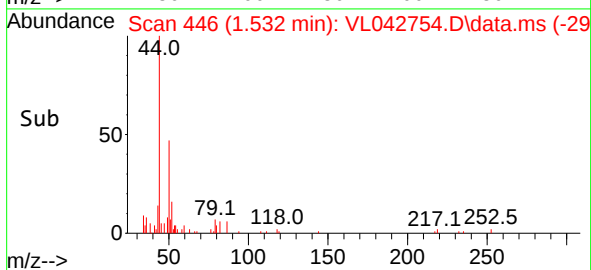
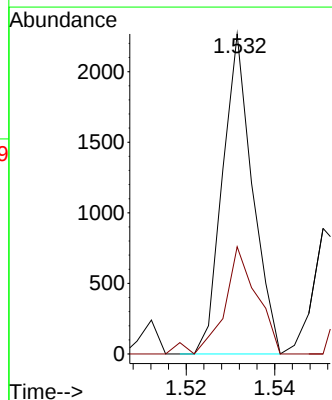
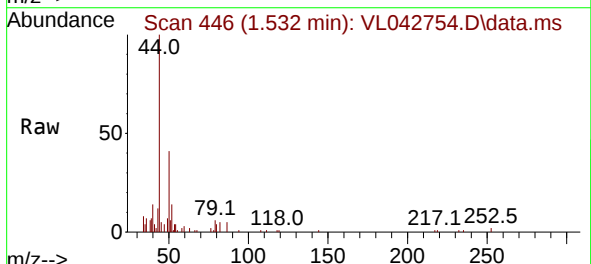
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

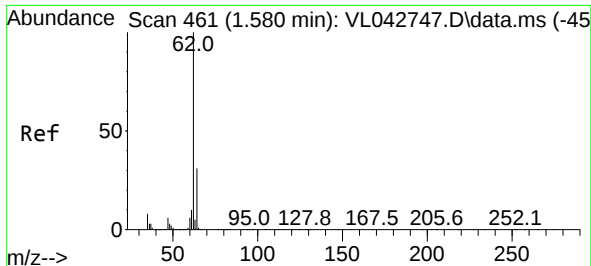
Tgt Ion: 51 Resp: 1060
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.6



#4
Chloromethane
Concen: 0.131 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 50 Resp: 1066
Ion Ratio Lower Upper
50 100
52 34.0 26.6 40.0

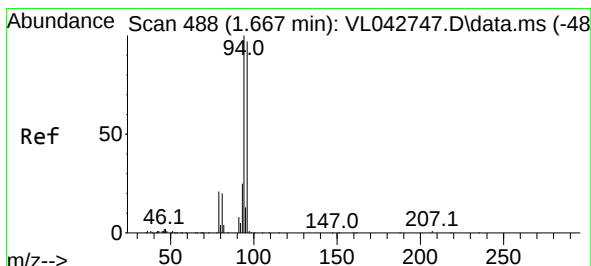
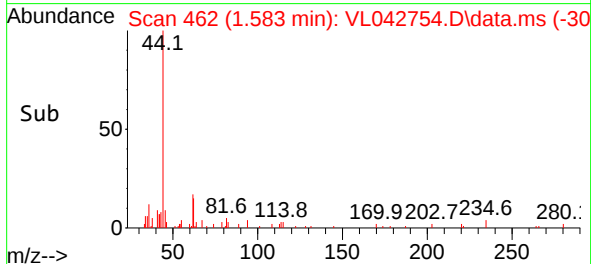
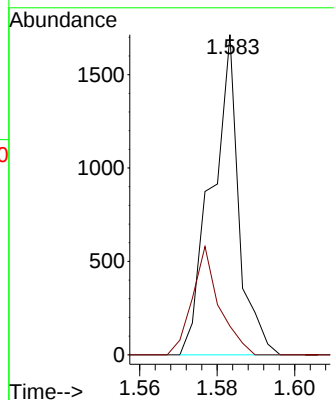
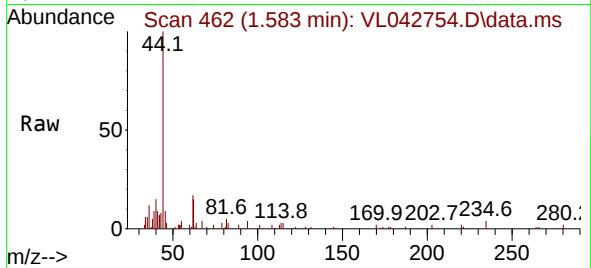




#5
 Vinyl Chloride
 Concen: 0.104 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.004 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

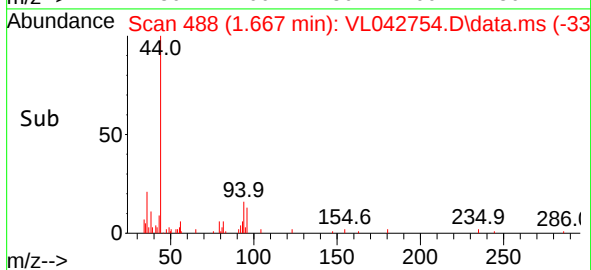
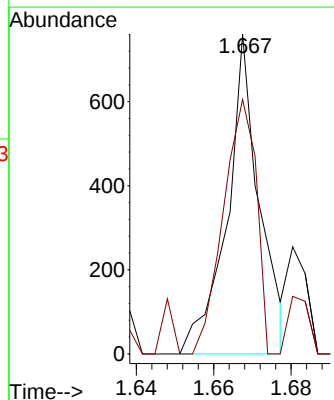
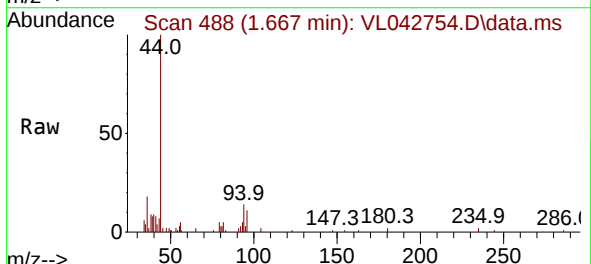
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

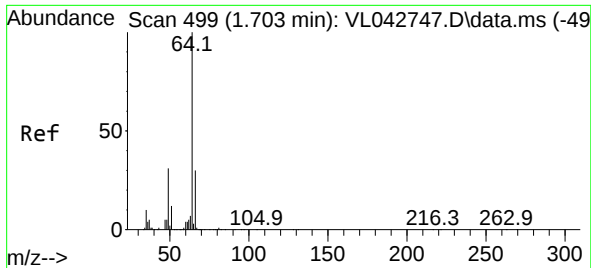
Tgt Ion: 62 Resp: 837
 Ion Ratio Lower Upper
 62 100
 64 8.9 24.5 36.7#



#6
 Bromomethane
 Concen: 0.141 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion: 94 Resp: 438
 Ion Ratio Lower Upper
 94 100
 96 79.5 77.6 116.4

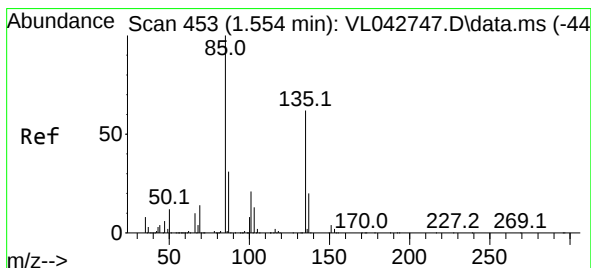
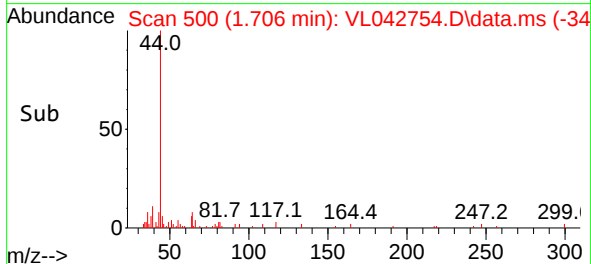
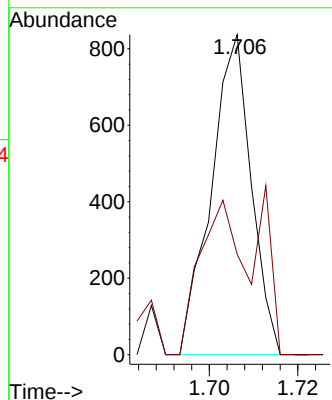
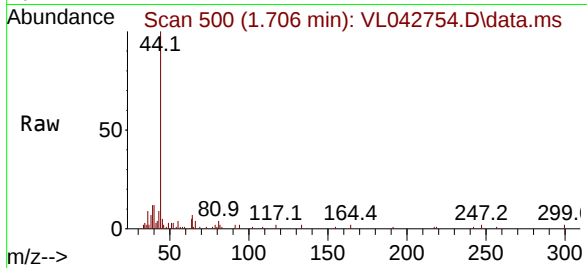




#7
Chloroethane
Concen: 0.169 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

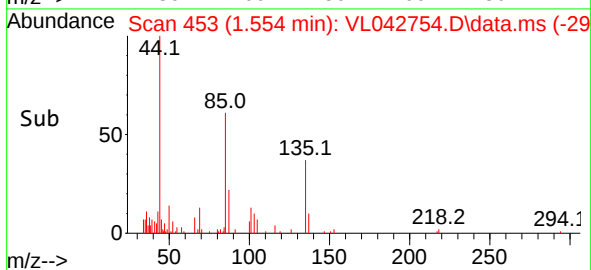
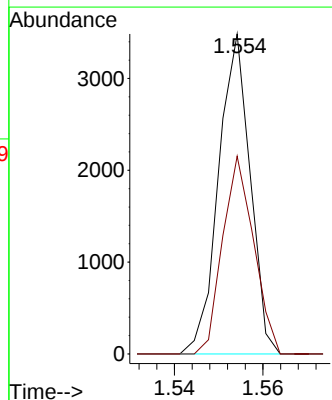
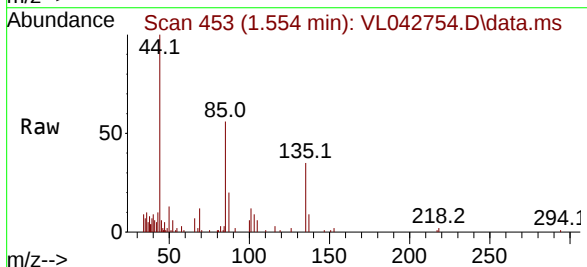
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ClientSampleId :
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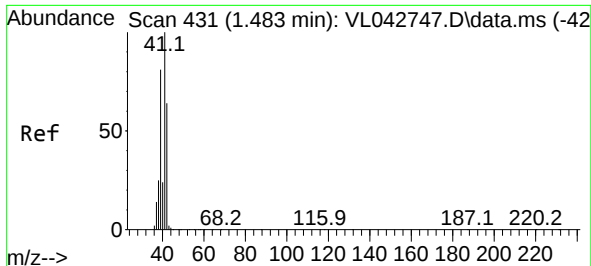
Tgt Ion: 64 Resp: 526
Ion Ratio Lower Upper
64 100
66 31.4 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 1725
Ion Ratio Lower Upper
85 100
135 61.0 50.6 76.0





#9

Propene

Concen: 0.117 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

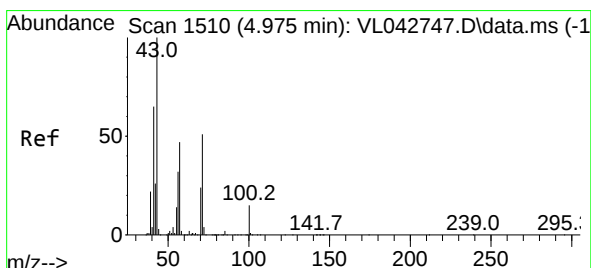
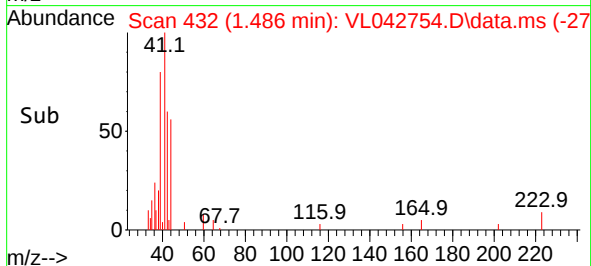
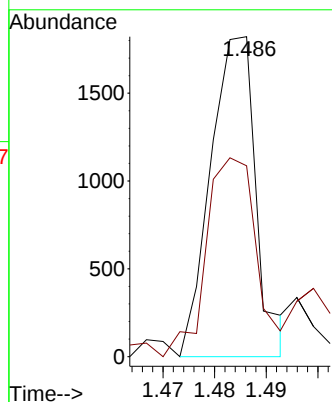
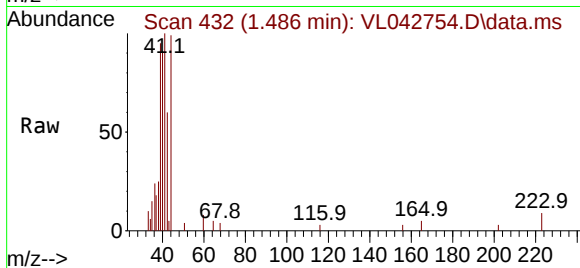
VSTDIC0.1

Tgt Ion: 41 Resp: 1118

Ion Ratio Lower Upper

41 100

42 92.3 53.2 79.8#



#10

Heptane

Concen: 0.032 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VL042754.D

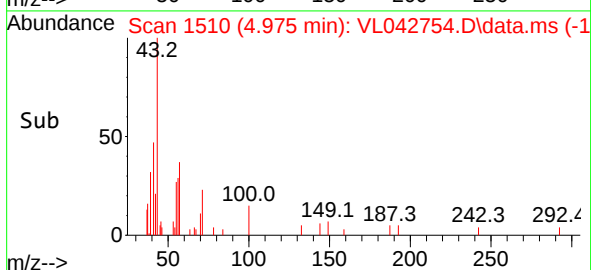
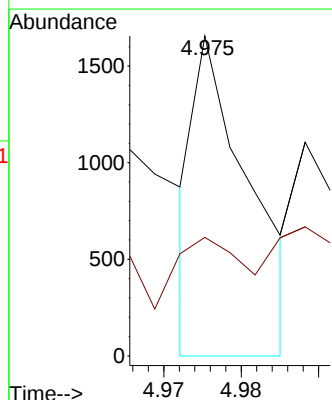
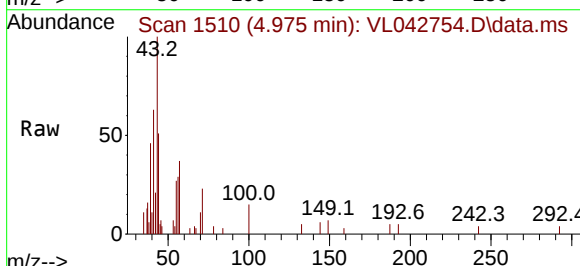
Acq: 23 Jul 2025 13:00

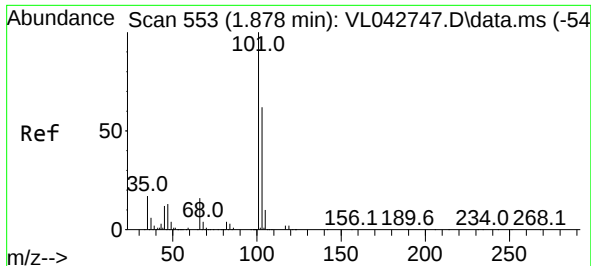
Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

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57 0.0 39.9 59.9#

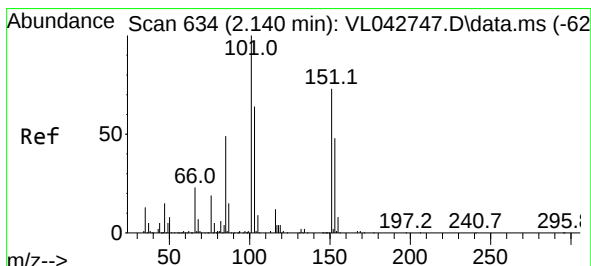
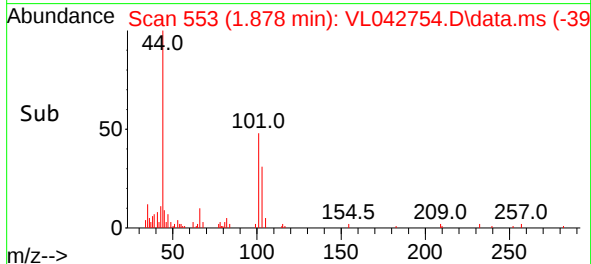
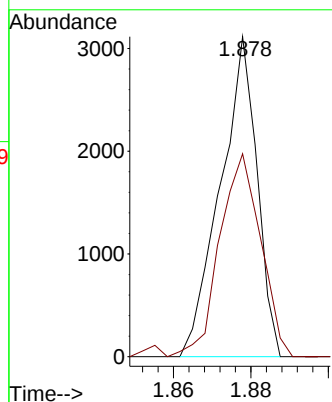
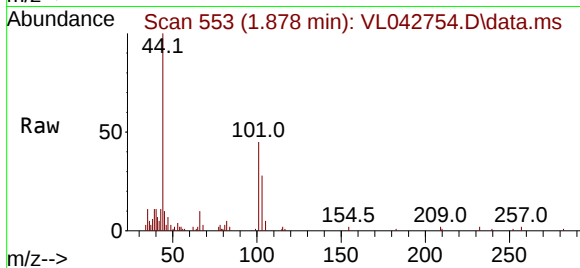




#11
 Trichlorofluoromethane
 Concen: 0.099 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

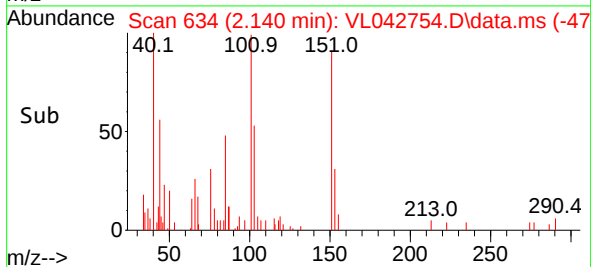
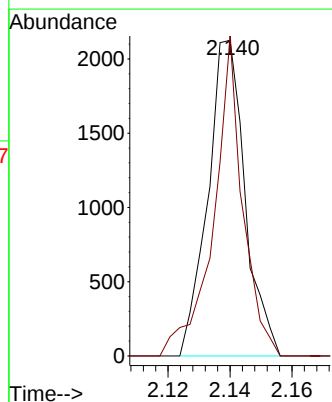
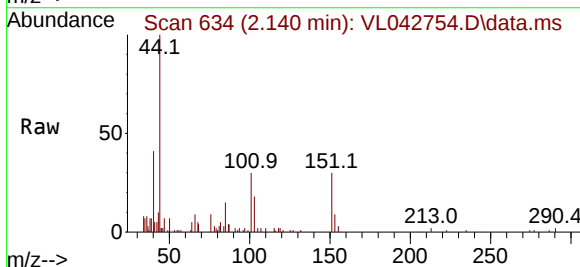
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

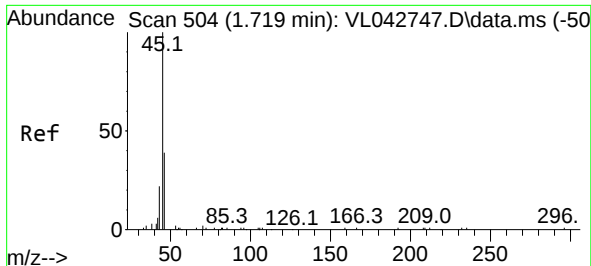
Tgt Ion:101 Resp: 2050
 Ion Ratio Lower Upper
 101 100
 103 61.8 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.112 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion:101 Resp: 1772
 Ion Ratio Lower Upper
 101 100
 151 79.0 60.5 90.7

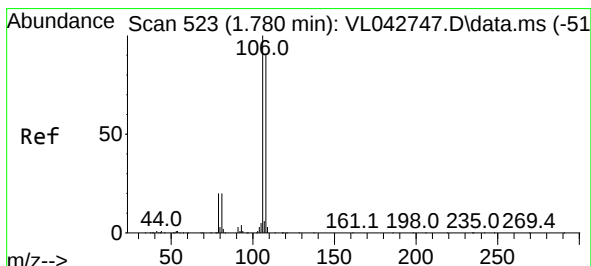
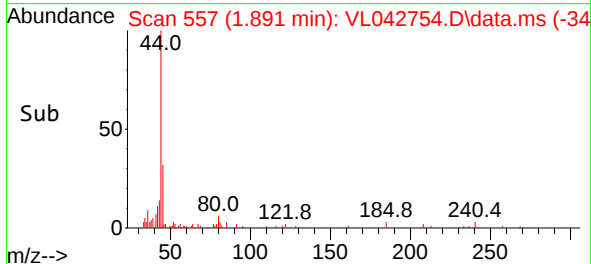
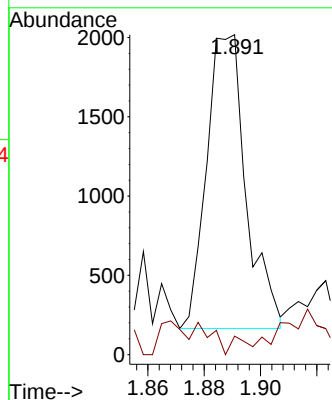
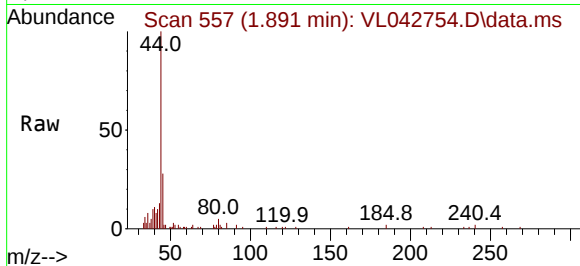




#13
Ethanol
Concen: 1.545 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.172 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

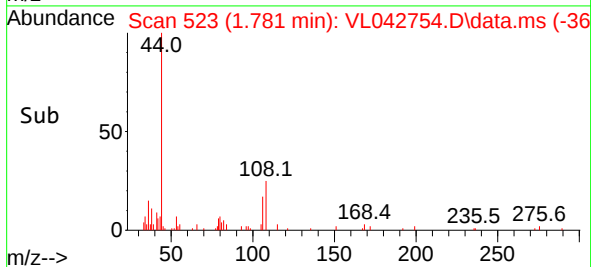
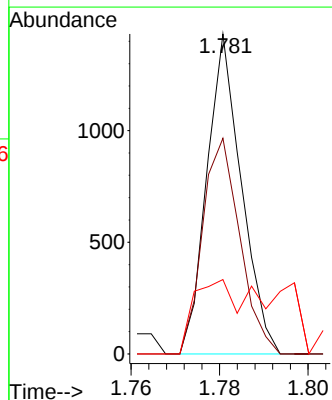
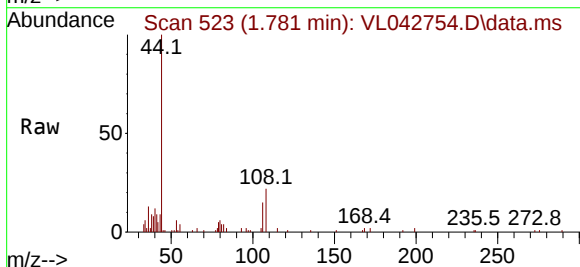
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

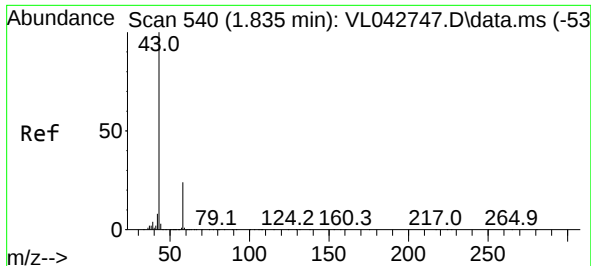
Tgt Ion: 45 Resp: 1804
Ion Ratio Lower Upper
45 100
46 27.4 17.8 71.4



#14
Bromoethene
Concen: 0.139 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 108 Resp: 778
Ion Ratio Lower Upper
108 100
106 72.5 84.7 127.1#
79 74.6 17.4 26.2#

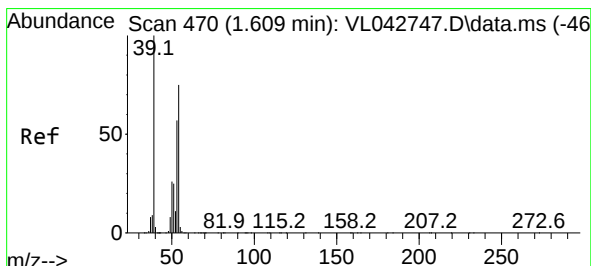
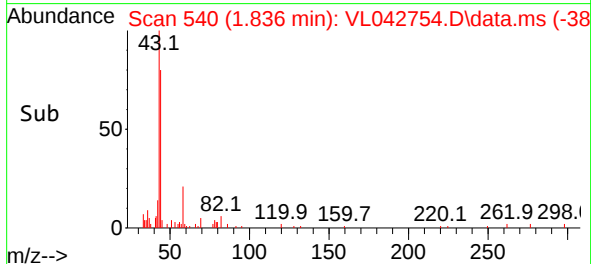
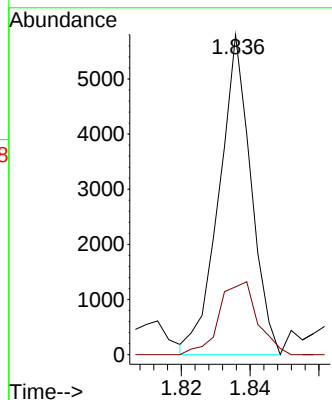
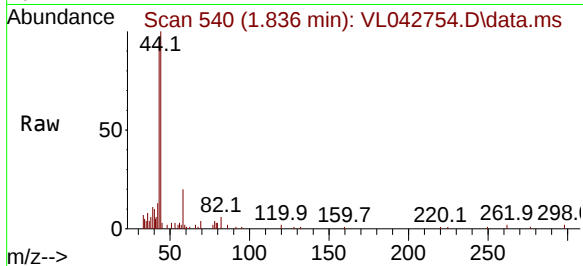




#15
Acetone
Concen: 0.177 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

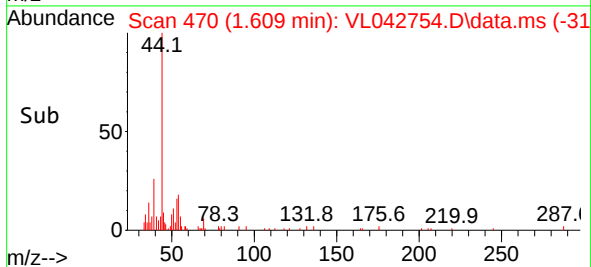
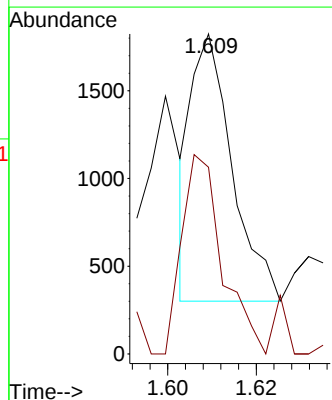
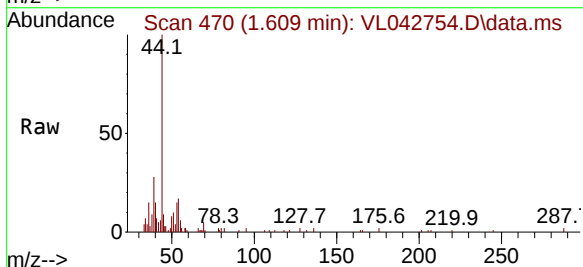
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

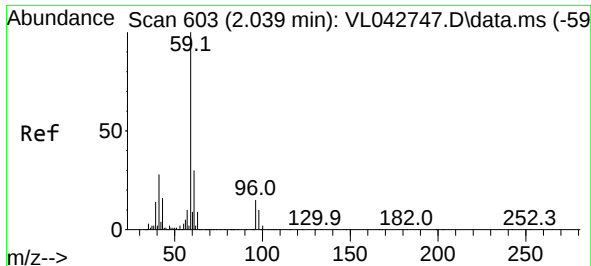
Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
58 27.4 19.8 29.8



#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 39 Resp: 976
Ion Ratio Lower Upper
39 100
54 115.6 54.5 81.7#





#17

tert-Butyl alcohol

Concen: 0.116 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

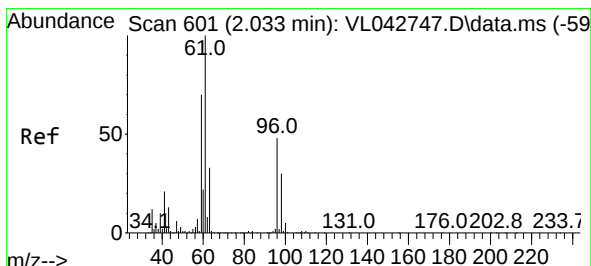
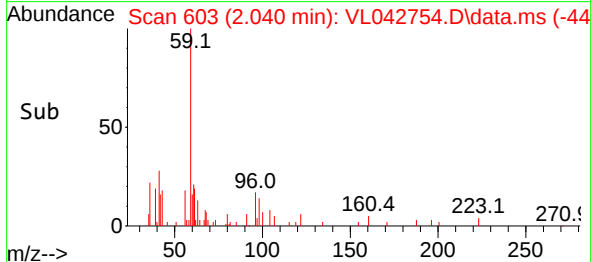
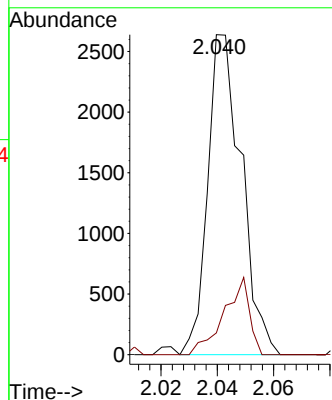
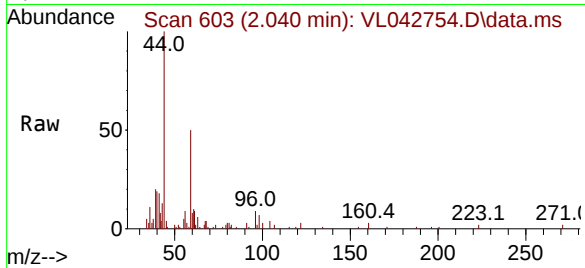
VSTDIC0.1

Tgt Ion: 59 Resp: 2194

Ion Ratio Lower Upper

59 100

57 18.3 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.126 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

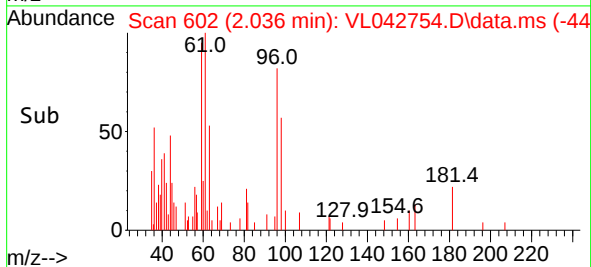
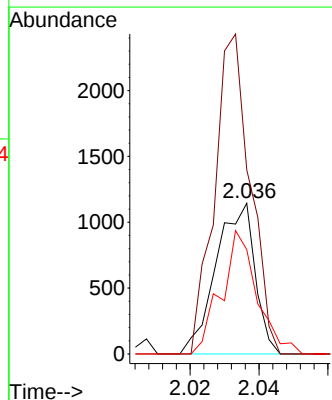
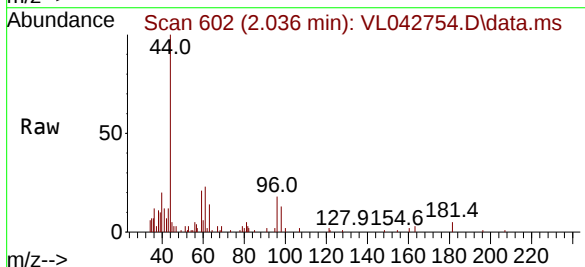
Tgt Ion: 96 Resp: 899

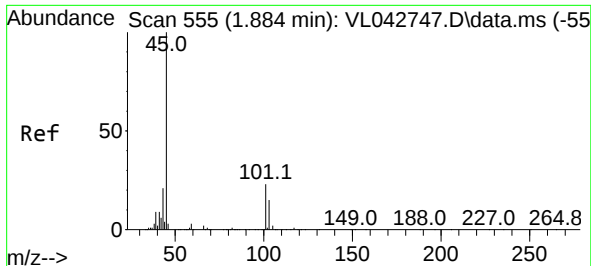
Ion Ratio Lower Upper

96 100

61 122.3 165.8 248.6#

98 69.2 49.9 74.9

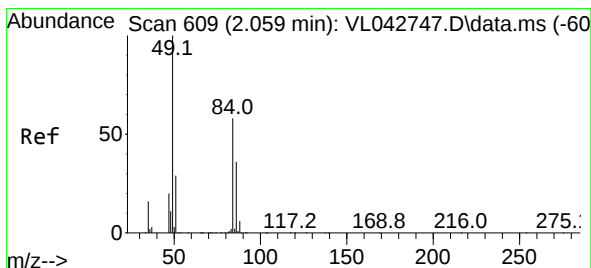
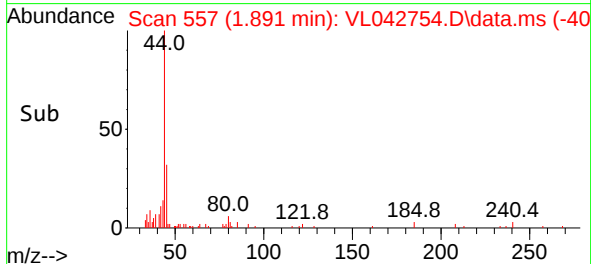
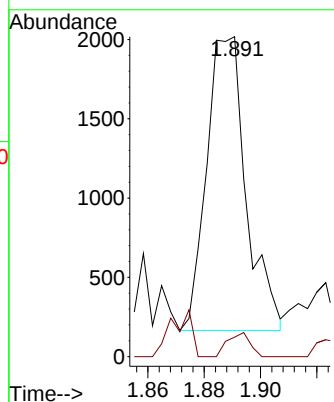
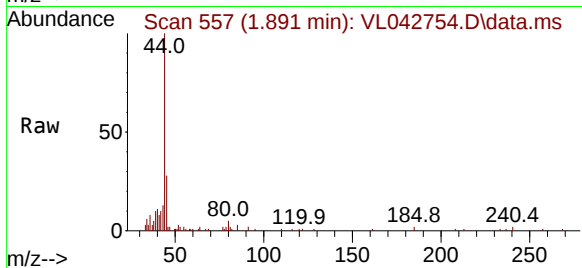




#19
Isopropyl Alcohol
Concen: 0.161 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

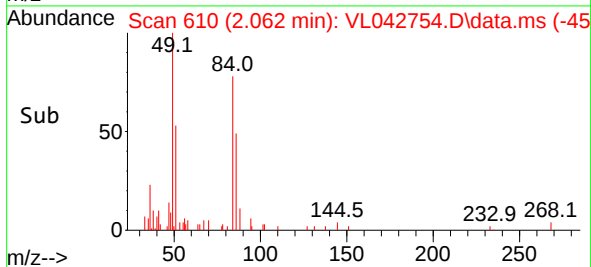
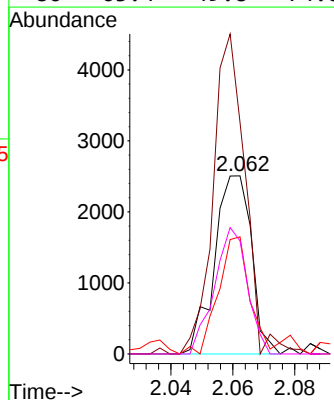
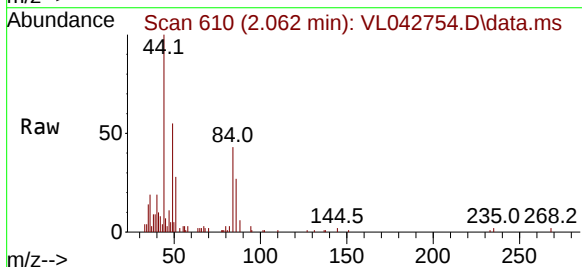
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

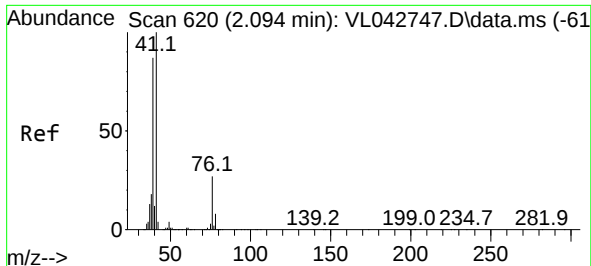
Tgt Ion: 45 Resp: 1804
Ion Ratio Lower Upper
45 100
58 13.0 30.0 45.0#



#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 84 Resp: 2080
Ion Ratio Lower Upper
84 100
49 129.9 138.6 208.0#
51 65.8 40.6 61.0#
86 63.4 49.8 74.8

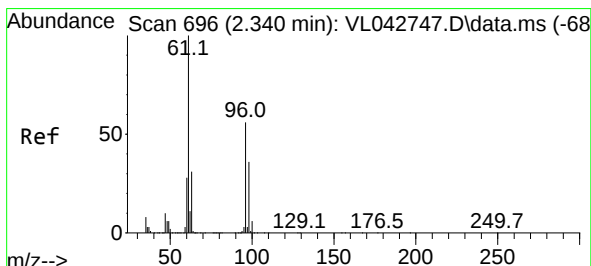
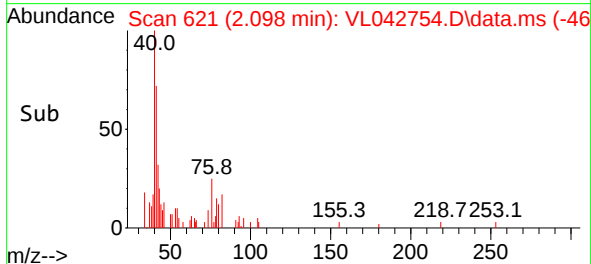
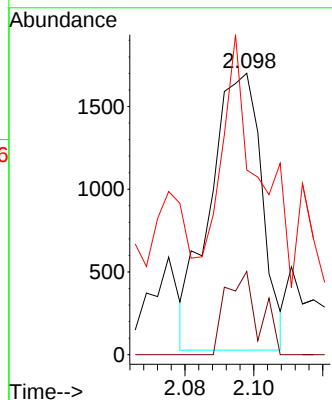
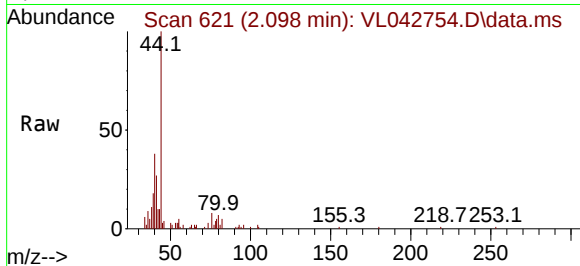




#21
 Allyl Chloride
 Concen: 0.135 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.004 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

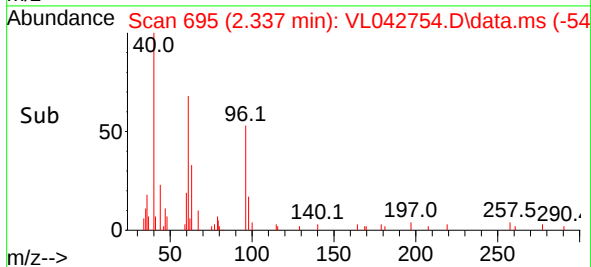
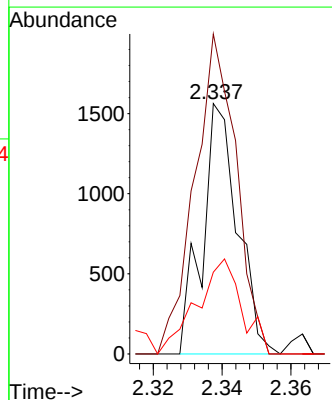
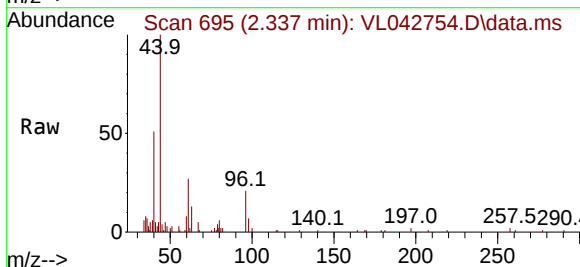
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

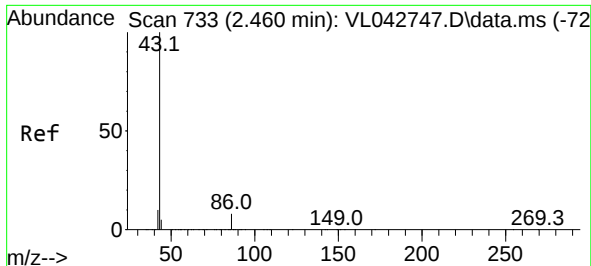
Tgt Ion: 41 Resp: 1747
 Ion Ratio Lower Upper
 41 100
 76 19.1 21.1 31.7#
 39 136.5 68.3 102.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.146 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion: 96 Resp: 1116
 Ion Ratio Lower Upper
 96 100
 61 127.8 142.3 213.5#
 98 32.6 50.6 76.0#

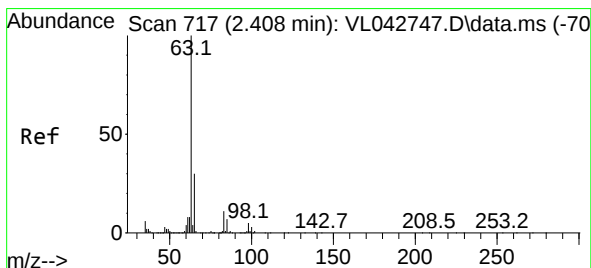
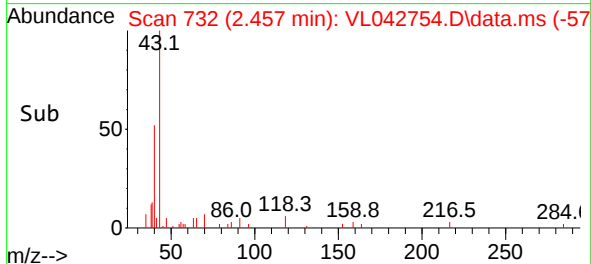
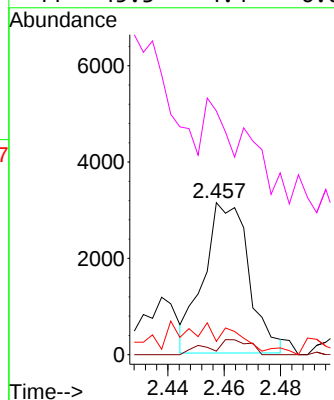
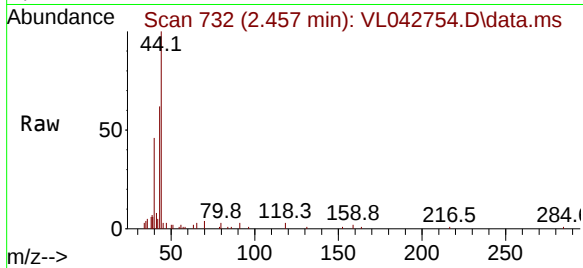




#23
 Vinyl Acetate
 Concen: 0.136 ppbv
 RT: 2.457 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

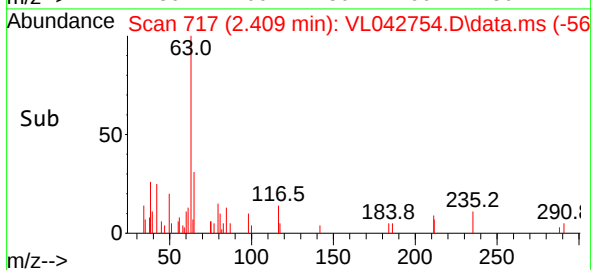
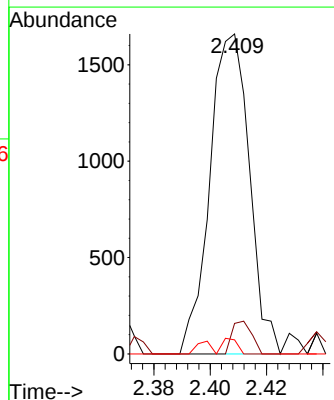
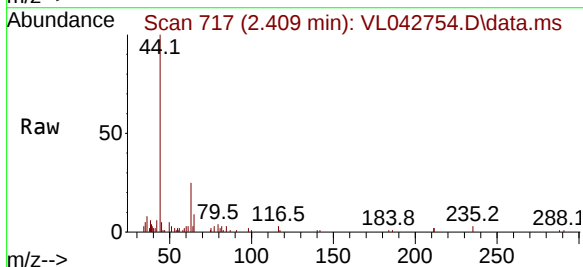
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

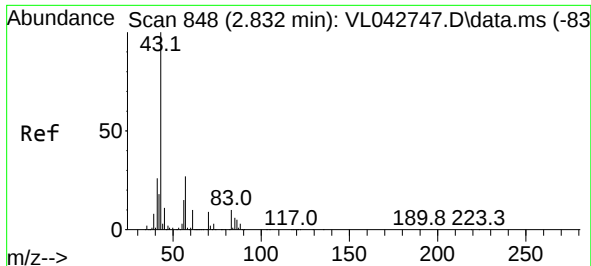
Tgt Ion: 43	Resp: 3460
Ion Ratio	Lower Upper
43 100	
86 2.5	6.1 9.1#
42 4.8	7.8 11.8#
44 45.3	4.4 6.6#



#24
 1,1-Dichloroethane
 Concen: 0.103 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion: 63	Resp:	1620	
Ion Ratio	Lower	Upper	
63 100			
98 9.5	2.5	7.4#	
100 4.4	1.6	4.8	





#25

Ethyl Acetate

Concen: 0.039 ppbv

RT: 2.833 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

Tgt Ion: 43 Resp: 1813

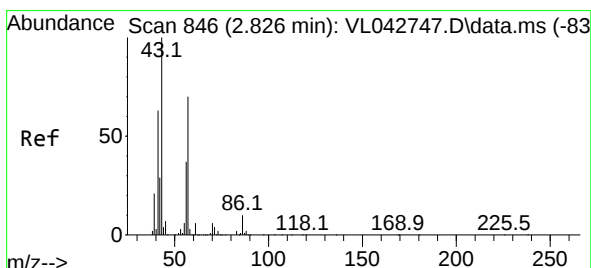
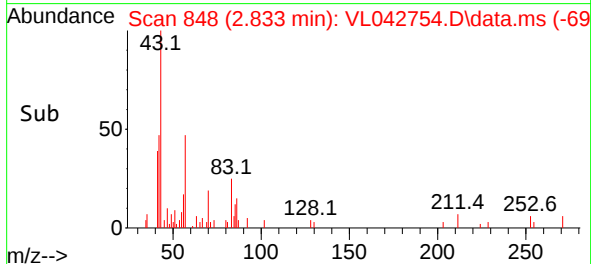
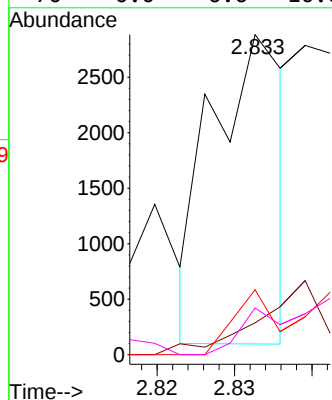
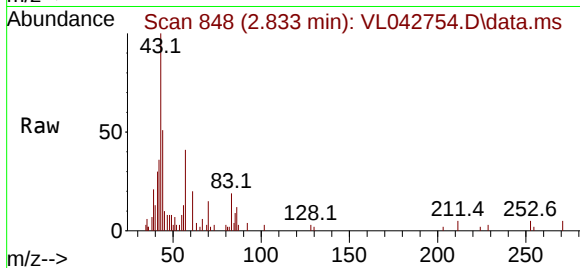
Ion Ratio Lower Upper

43 100

45 0.0 7.8 11.6#

61 26.6 6.7 10.1#

70 0.0 6.6 10.0#



#26

Hexane

Concen: 0.097 ppbv

RT: 2.823 min Scan# 845

Delta R.T. -0.003 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1982

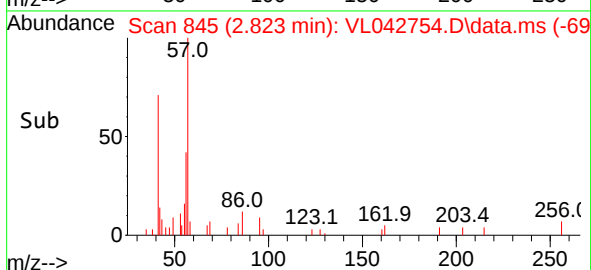
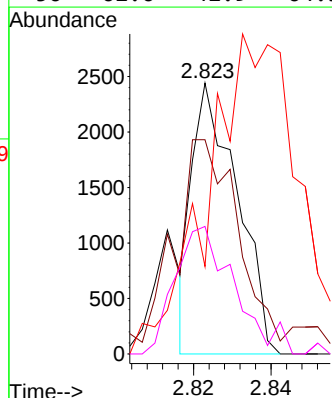
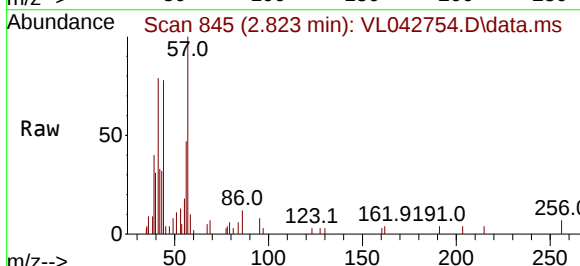
Ion Ratio Lower Upper

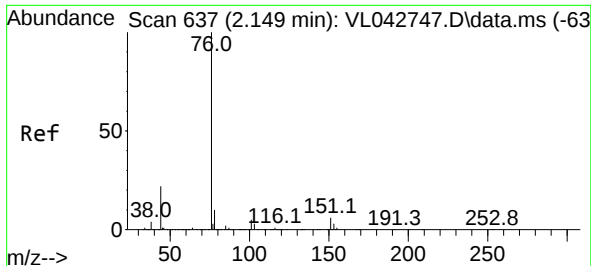
57 100

41 149.4 75.4 113.2#

43 252.9 185.0 277.6

56 62.6 42.9 64.3

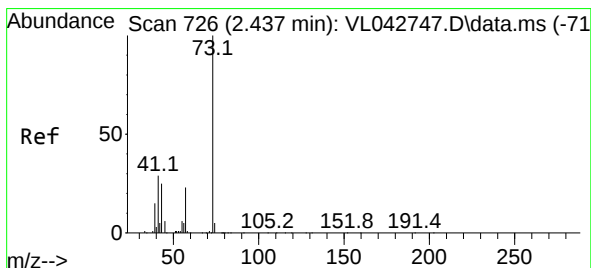
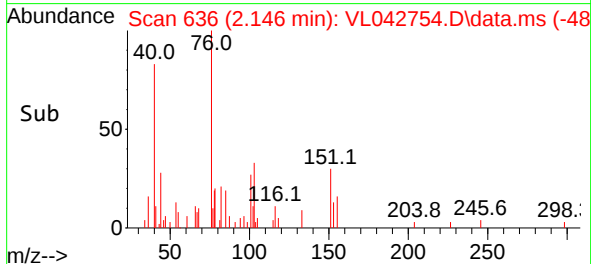
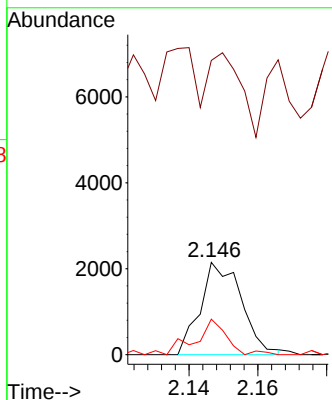
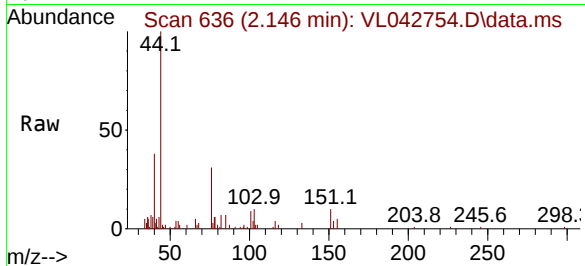




#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

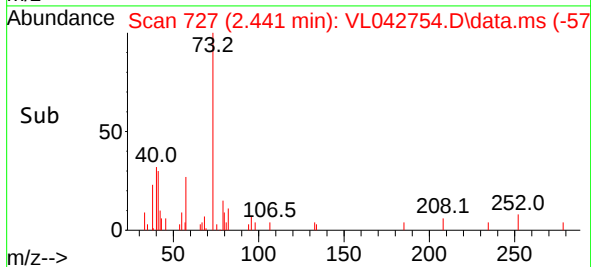
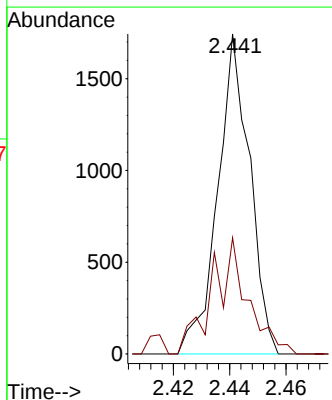
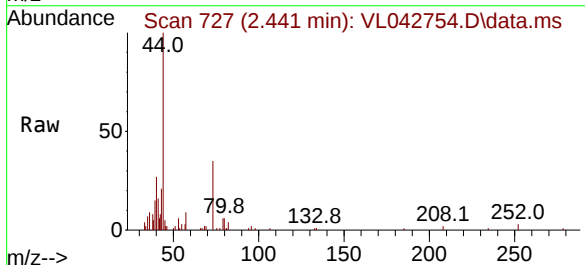
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

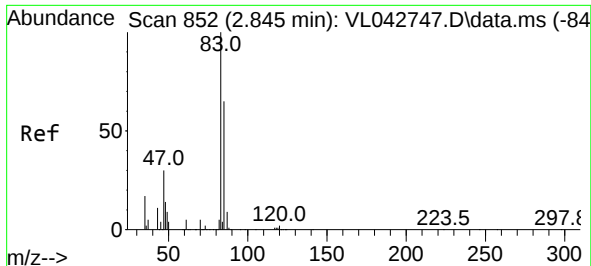
Tgt Ion: 76 Resp: 1789
Ion Ratio Lower Upper
76 100
44 606.9 19.3 28.9#
78 30.9 9.9 14.9#



#28
Methyl tert-Butyl Ether
Concen: 0.143 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 73 Resp: 1378
Ion Ratio Lower Upper
73 100
57 44.8 19.8 29.8#





#29

Chloroform

Concen: 0.003 ppbv

RT: 2.412 min Scan# 71

Delta R.T. -0.433 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

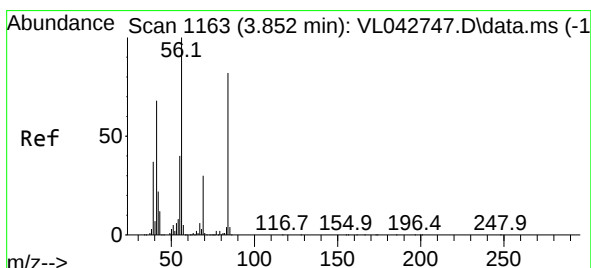
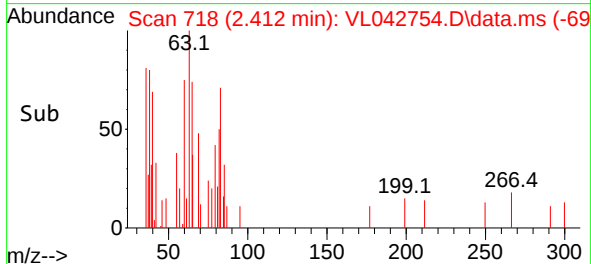
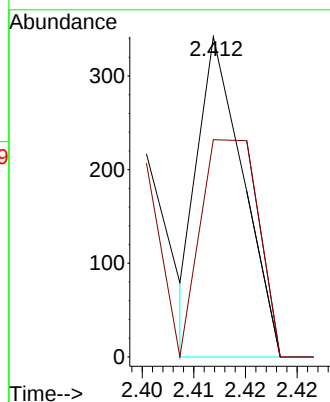
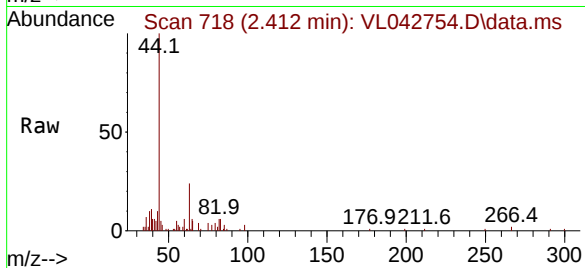
VSTDIC0.1

Tgt Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

85 67.8 52.2 78.2



#30

Cyclohexane

Concen: 0.030 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

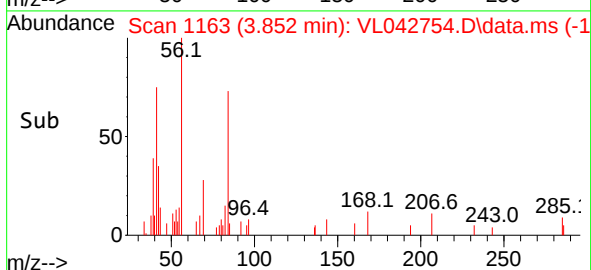
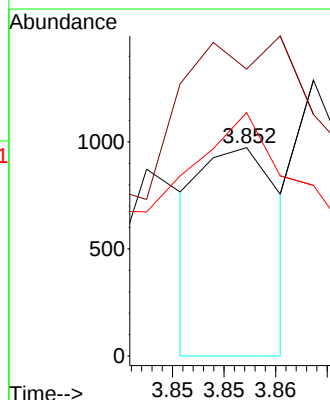
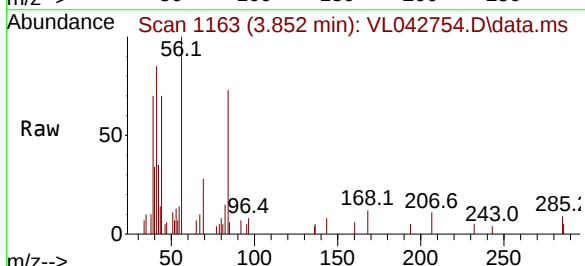
Tgt Ion: 84 Resp: 516

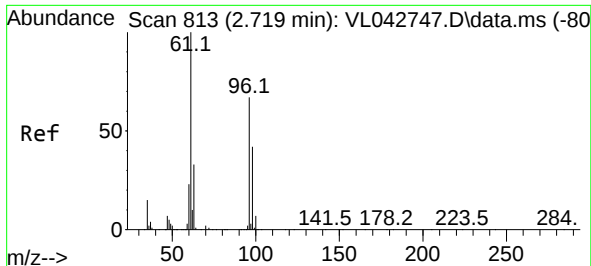
Ion Ratio Lower Upper

84 100

56 0.0 97.5 146.3#

41 369.4 67.2 100.8#

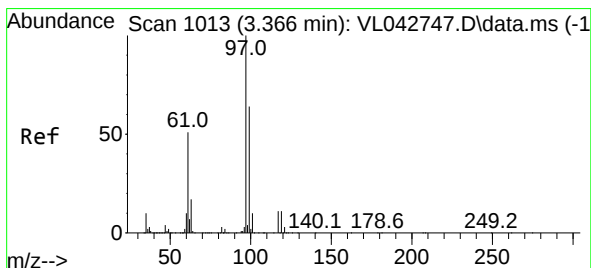
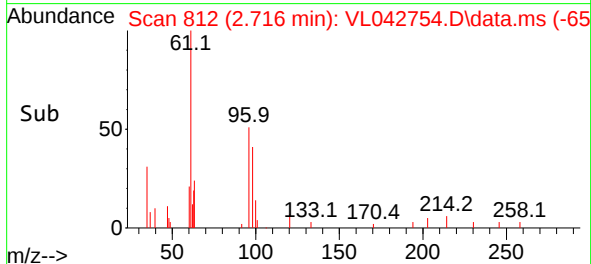
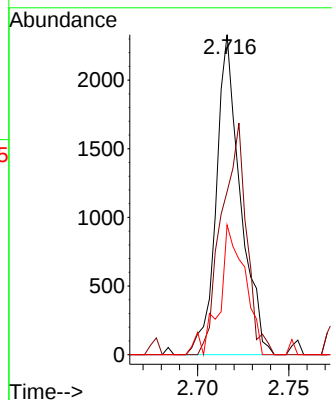
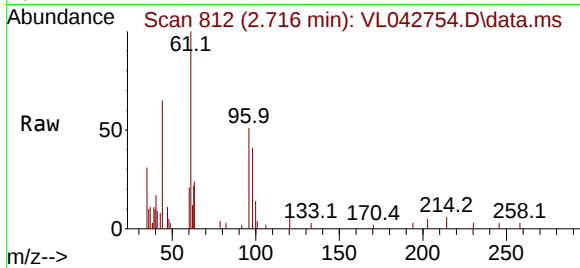




#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

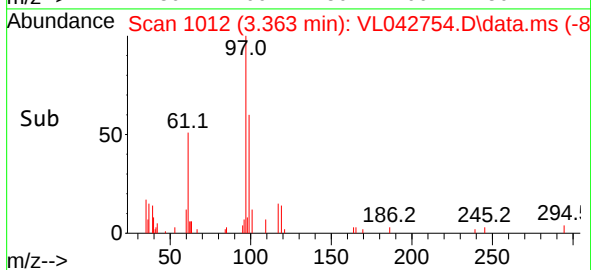
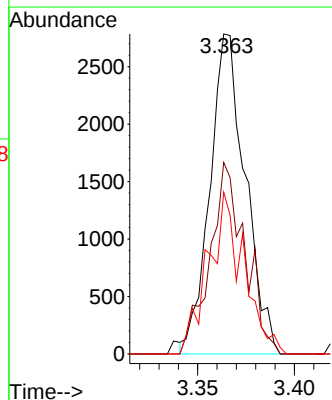
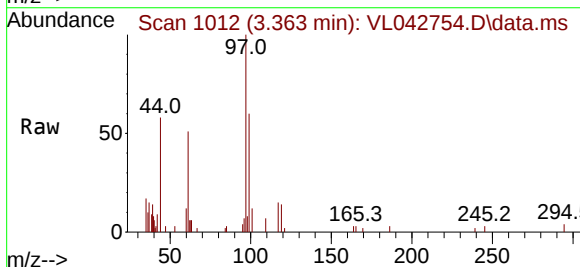
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

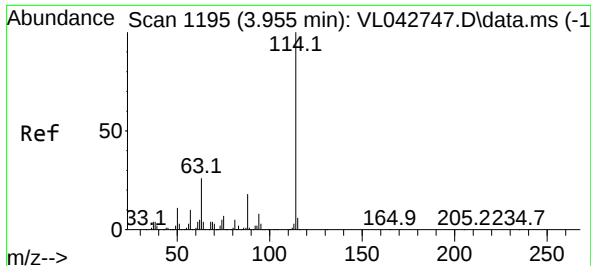
Tgt Ion: 61 Resp: 2152
 Ion Ratio Lower Upper
 61 100
 96 50.9 53.5 80.3#
 98 40.5 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 0.108 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion: 97 Resp: 3550
 Ion Ratio Lower Upper
 97 100
 99 59.4 51.0 76.6
 61 50.4 40.9 61.3

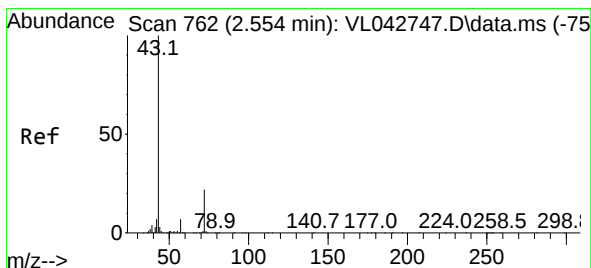
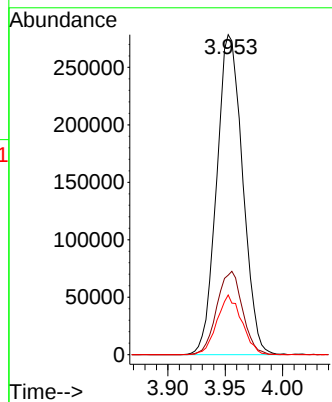
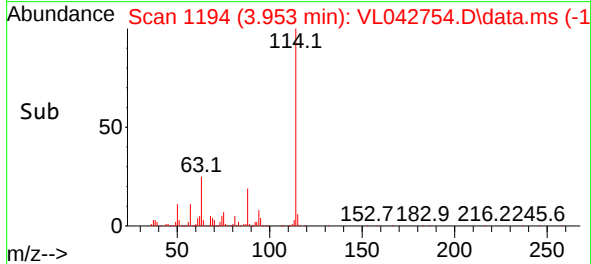
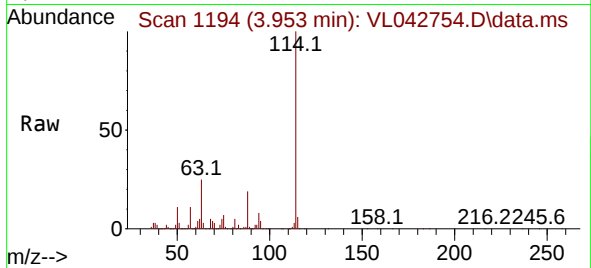




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

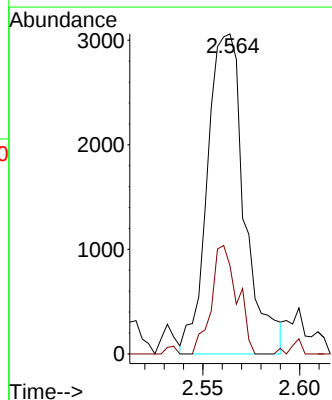
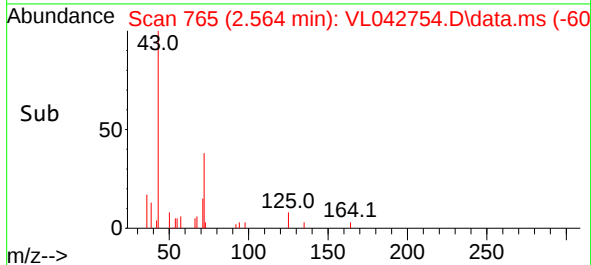
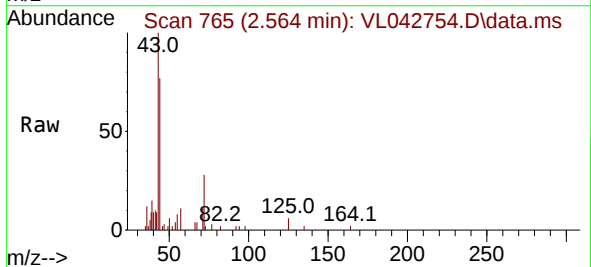
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

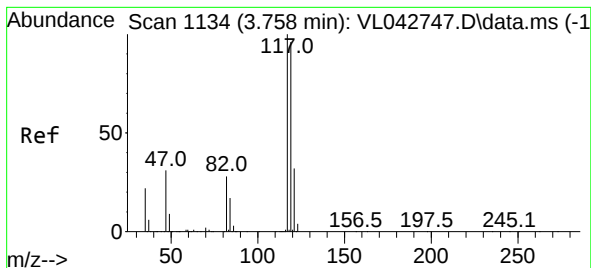
Tgt Ion:114 Resp: 438604
Ion Ratio Lower Upper
114 100
63 25.8 20.5 30.7
88 17.8 14.0 21.0



#34
2-Butanone
Concen: 0.132 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 4086
Ion Ratio Lower Upper
43 100
72 24.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.024 ppbv

RT: 3.768 min Scan# 1134

Delta R.T. 0.010 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

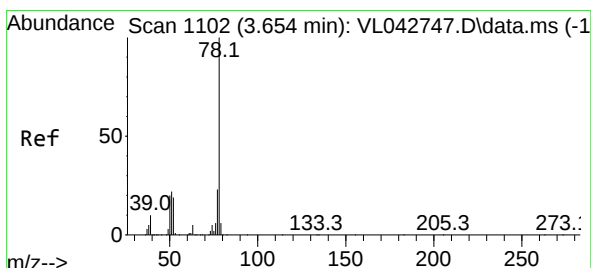
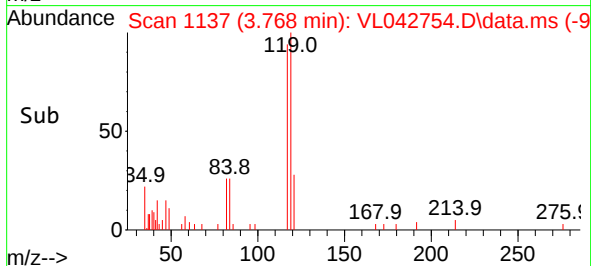
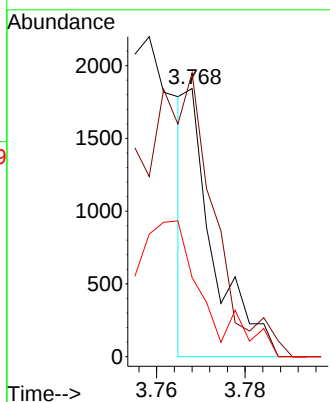
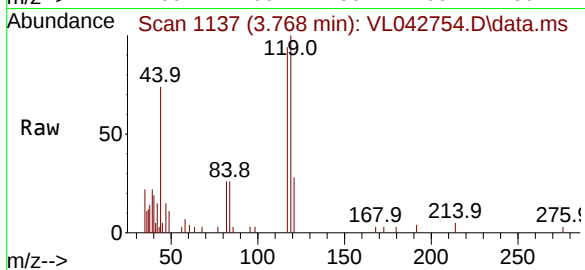
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:	117	Resp:	796
Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.1	115.7
121	29.5	25.5	38.3



#36

Benzene

Concen: 0.030 ppbv

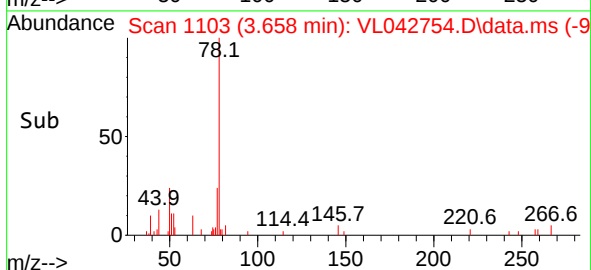
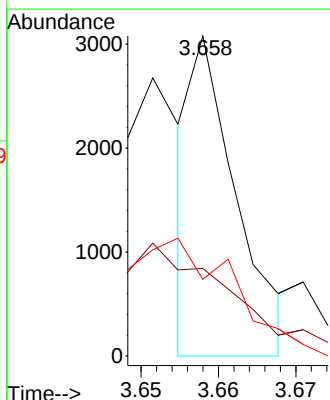
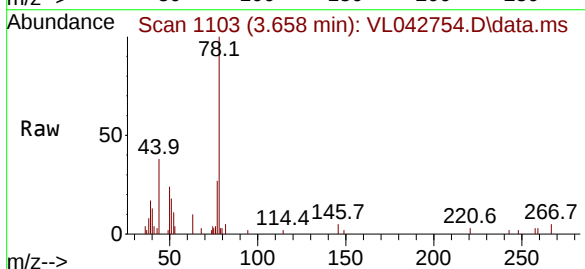
RT: 3.658 min Scan# 1103

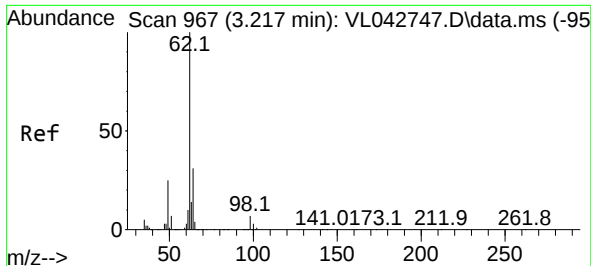
Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Tgt Ion:	78	Resp:	1246
Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.5	27.7
50	19.1	16.2	24.2





#37

1,2-Dichloroethane

Concen: 0.044 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

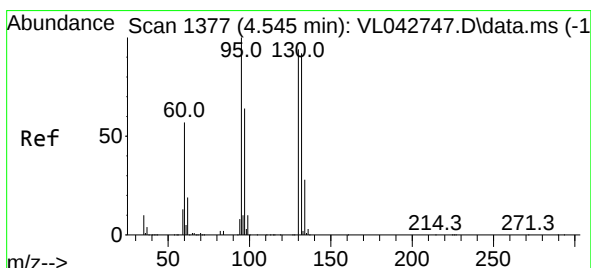
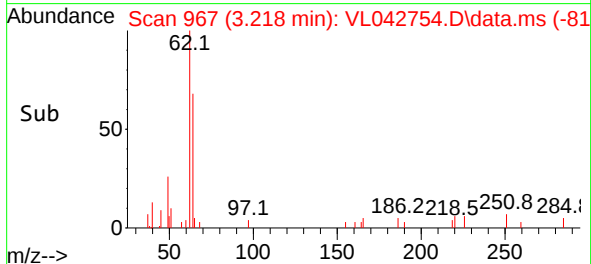
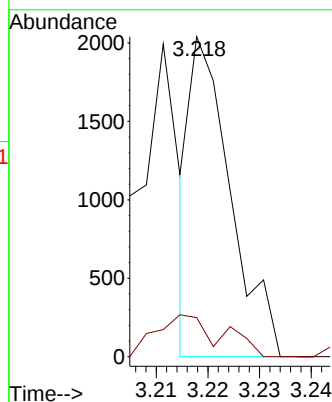
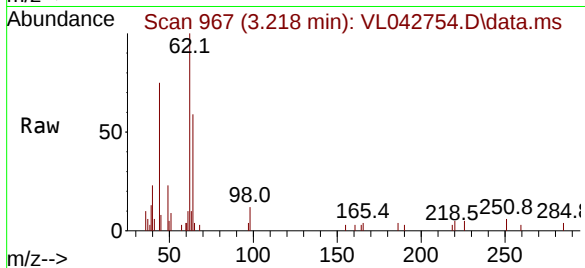
VSTDIC0.1

Tgt Ion: 62 Resp: 1114

Ion Ratio Lower Upper

62 100

98 21.1 5.2 7.8#



#38

Trichloroethene

Concen: 0.017 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Tgt Ion:130 Resp: 333

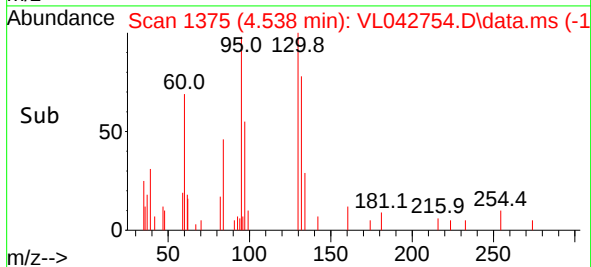
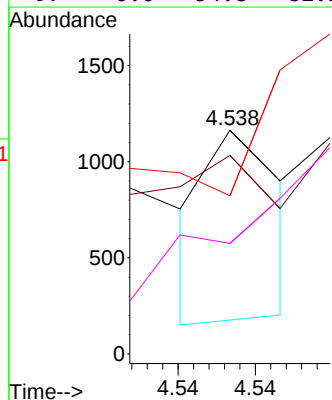
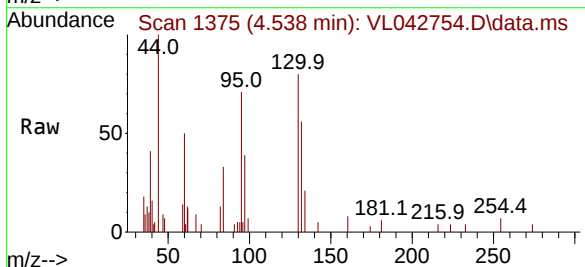
Ion Ratio Lower Upper

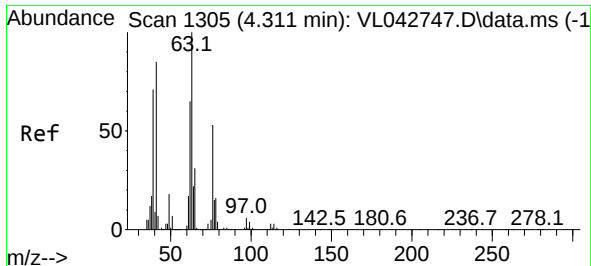
130 100

95 67.3 85.4 128.2#

132 0.0 78.2 117.2#

97 0.0 54.8 82.2#





#39

1,2-Dichloropropane

Concen: 7.376 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

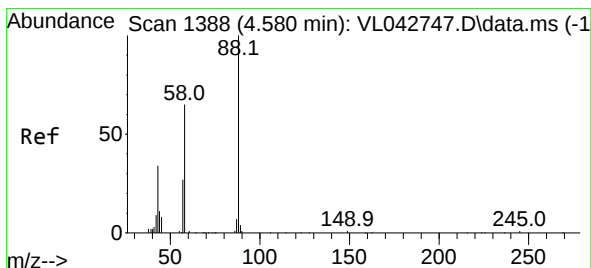
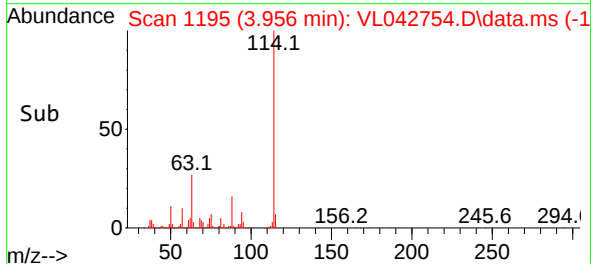
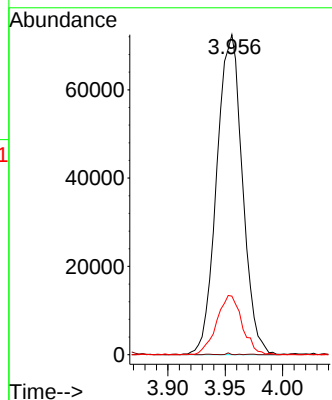
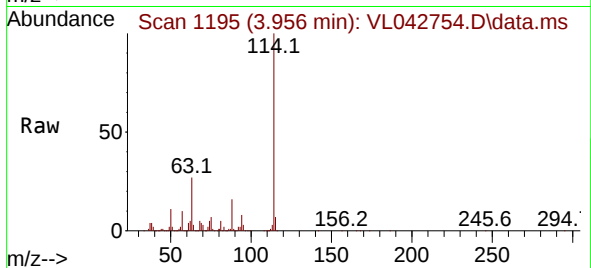
Tgt Ion: 63 Resp: 113176

Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 18.3 52.0 78.0#



#40

1,4-Dioxane

Concen: 0.041 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.023 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Tgt Ion: 88 Resp: 294

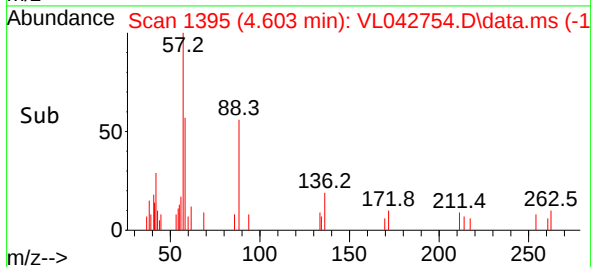
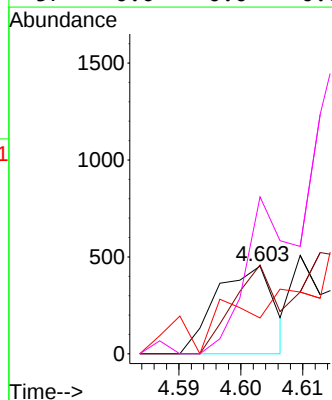
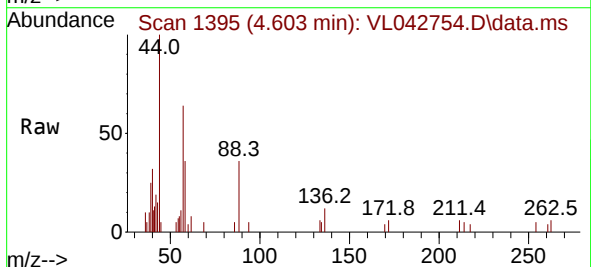
Ion Ratio Lower Upper

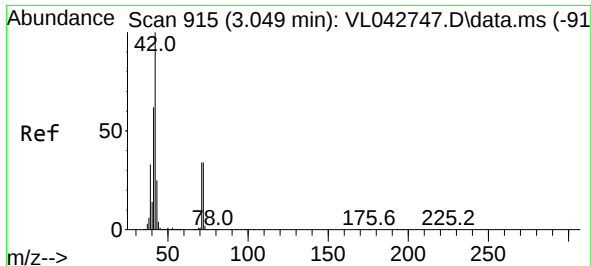
88 100

58 0.0 58.8 88.2#

43 31.0 28.9 43.3

57 0.0 0.0 0.0

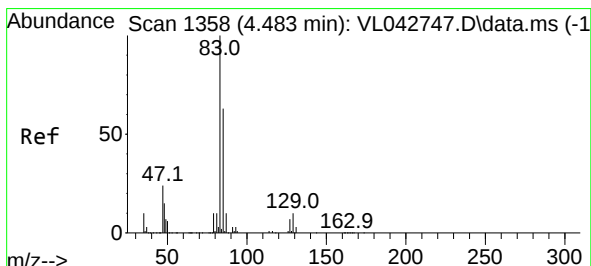
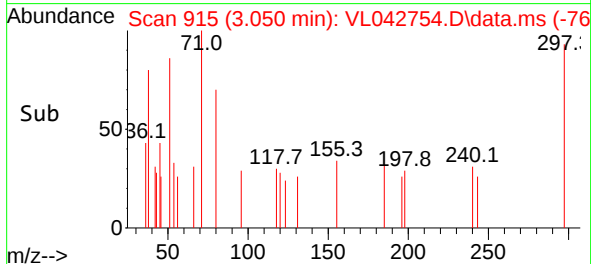
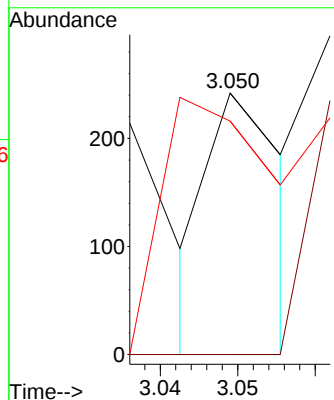
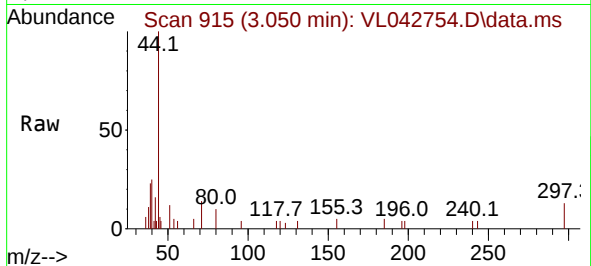




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.050 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

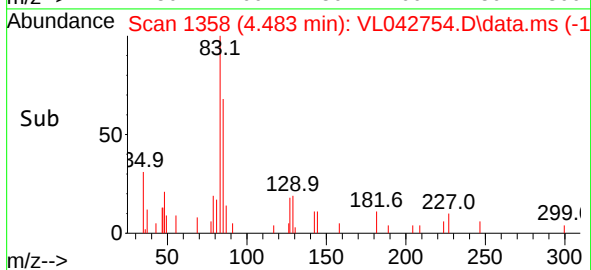
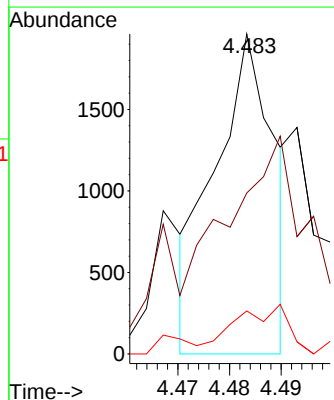
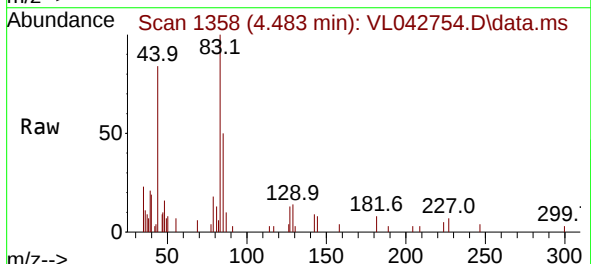
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

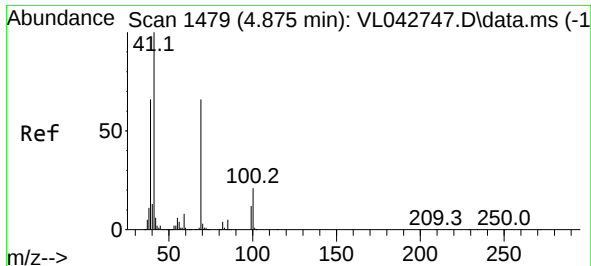
Tgt Ion: 42 Resp: 83
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 28.6 43.0#



#42
Bromodichloromethane
Concen: 0.048 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 83 Resp: 1563
Ion Ratio Lower Upper
83 100
85 51.2 50.2 75.4
127 14.0 5.4 8.2#

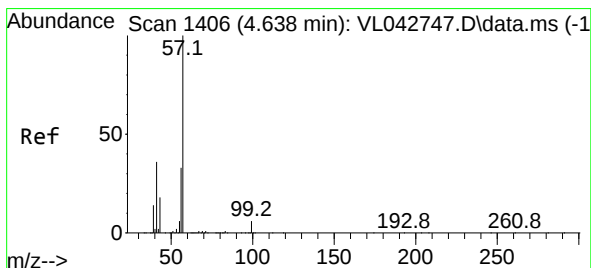
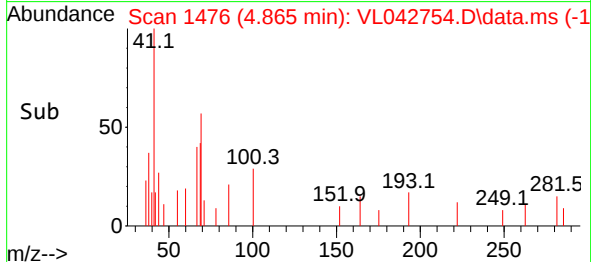
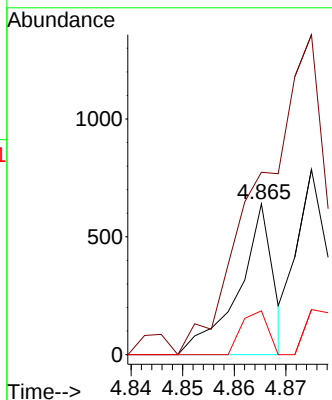
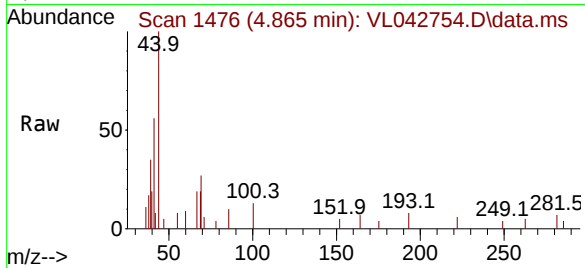




#43
Methyl Methacrylate
Concen: 0.020 ppbv
RT: 4.865 min Scan# 1479
Delta R.T. -0.009 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

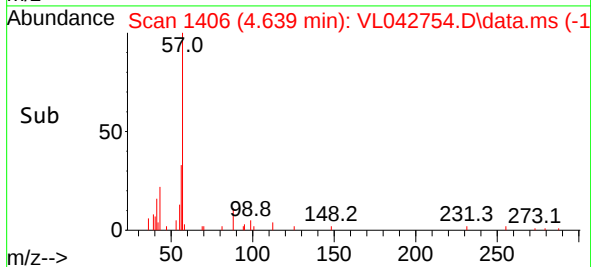
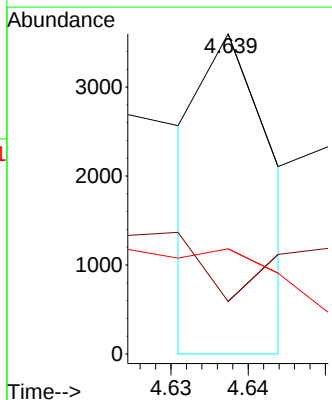
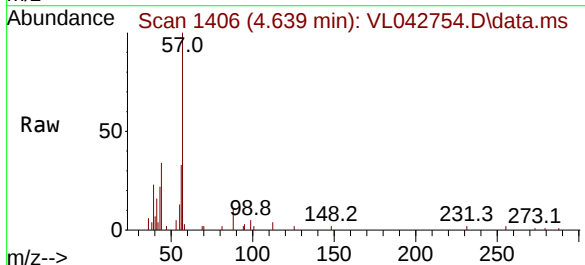
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

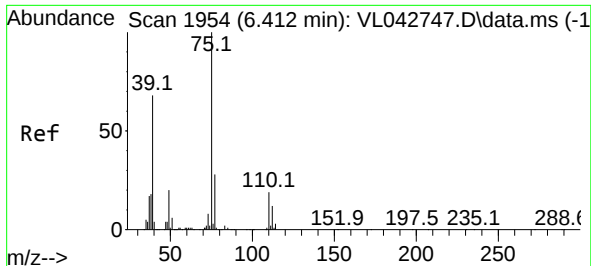
Tgt Ion: 69 Resp: 298
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.016 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1109
Ion Ratio Lower Upper
57 100
41 271.4 28.3 42.5#
56 0.0 25.8 38.6#

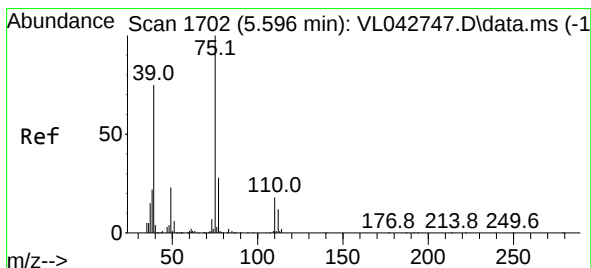
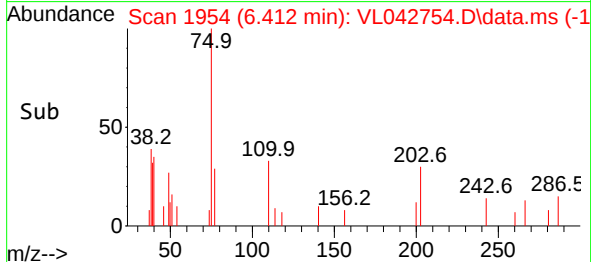
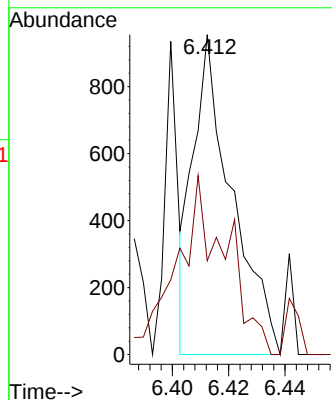
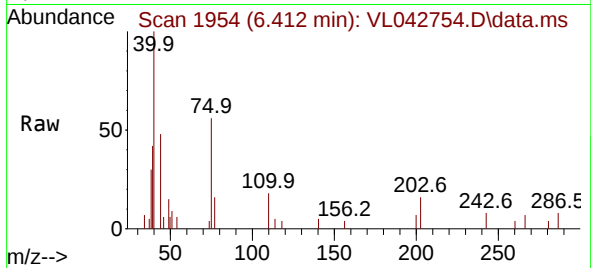




#45
 t-1,3-Dichloropropene
 Concen: 0.055 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

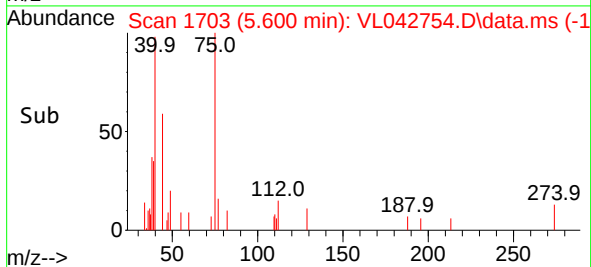
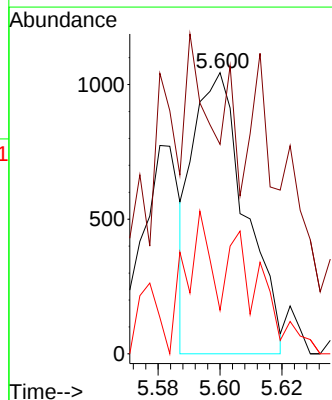
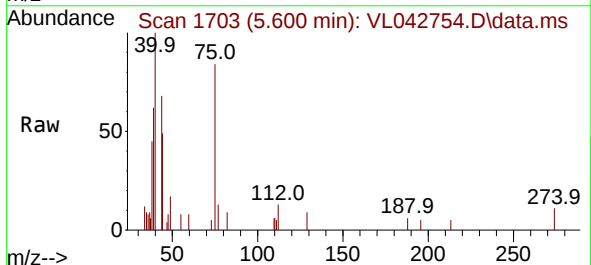
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

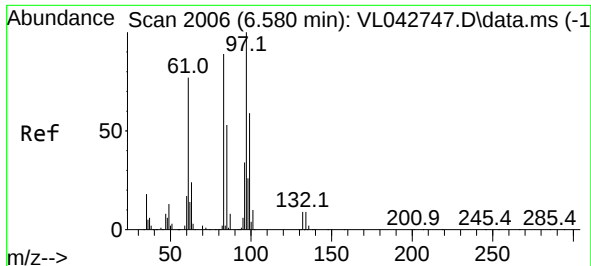
Tgt Ion: 75 Resp: 912
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 0.059 ppbv
 RT: 5.600 min Scan# 1703
 Delta R.T. 0.004 min
 Lab File: VL042754.D
 Acq: 23 Jul 2025 13:00

Tgt Ion: 75 Resp: 1232
 Ion Ratio Lower Upper
 75 100
 39 17.5 60.2 90.2#
 77 11.5 22.6 34.0#





#47

1,1,2-Trichloroethane

Concen: 0.048 ppbv

RT: 6.577 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 787

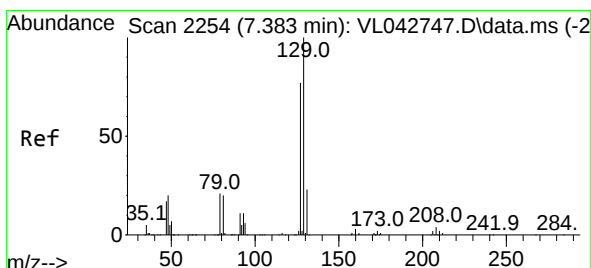
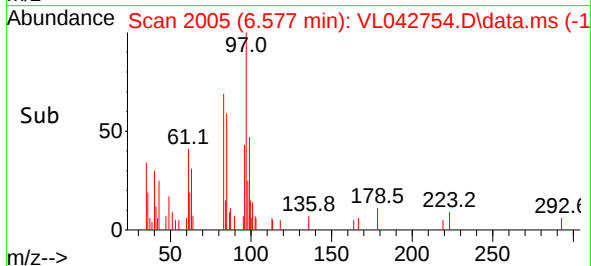
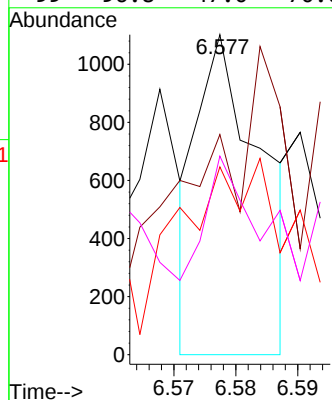
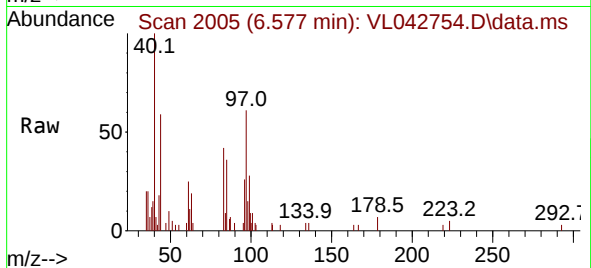
Ion Ratio Lower Upper

97 100

83 35.7 71.1 106.7#

85 67.0 43.0 64.4#

99 96.8 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.061 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.003 min

Lab File: VL042754.D

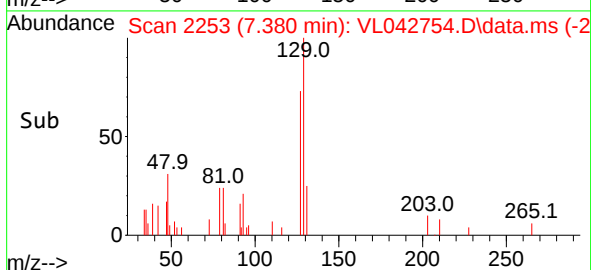
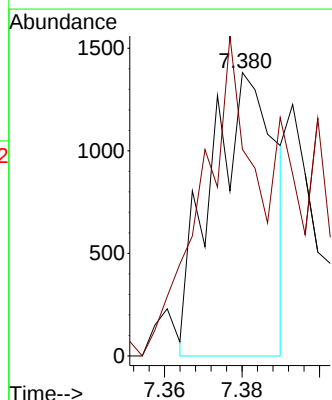
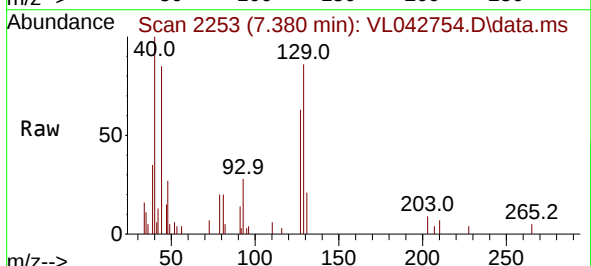
Acq: 23 Jul 2025 13:00

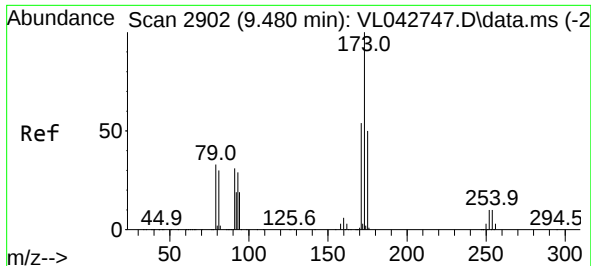
Tgt Ion: 129 Resp: 1591

Ion Ratio Lower Upper

129 100

127 145.4 38.7 116.1#





#49

Bromoform

Concen: 0.053 ppbv

RT: 9.477 min Scan# 2901

Delta R.T. -0.003 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

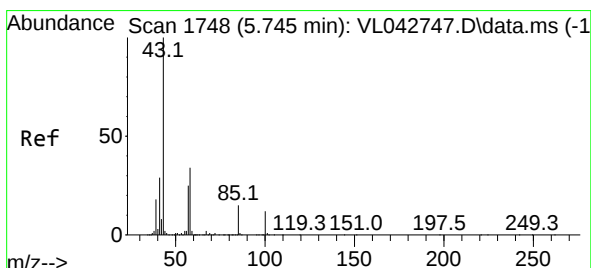
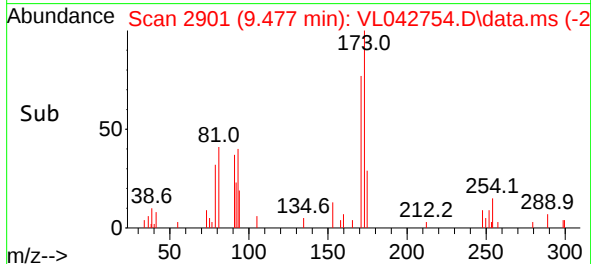
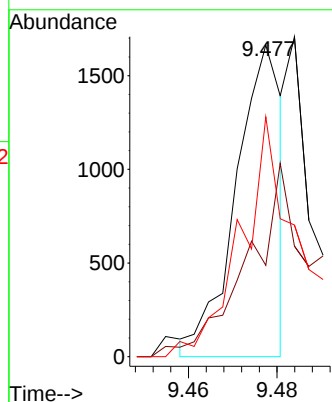
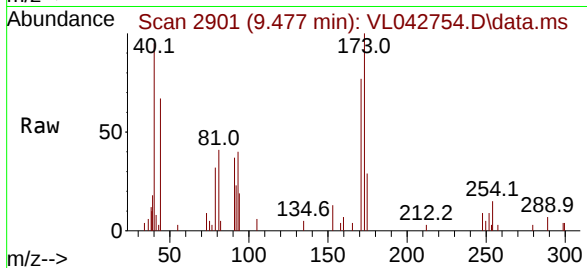
Tgt Ion:173 Resp: 1201

Ion Ratio Lower Upper

173 100

175 0.0 38.4 57.6#

171 100.8 40.9 61.3#



#50

4-Methyl-2-Pentanone

Concen: 0.003 ppbv

RT: 5.739 min Scan# 1746

Delta R.T. -0.006 min

Lab File: VL042754.D

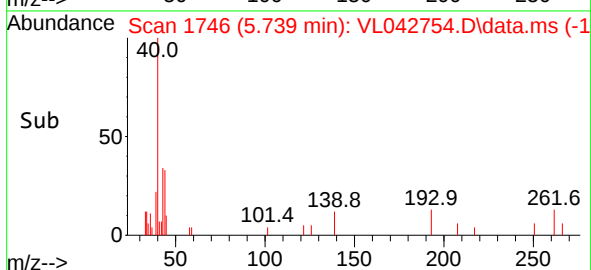
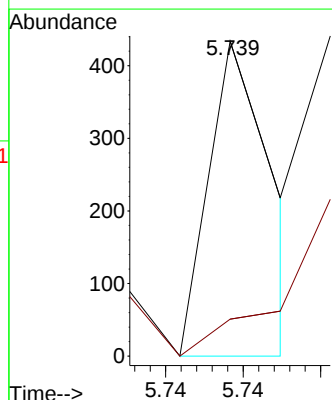
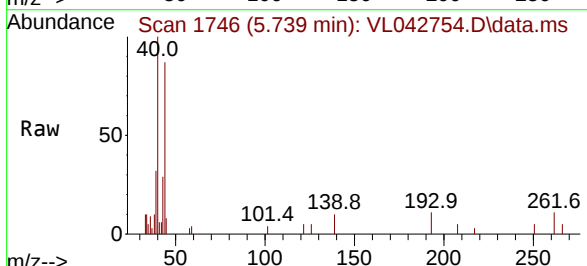
Acq: 23 Jul 2025 13:00

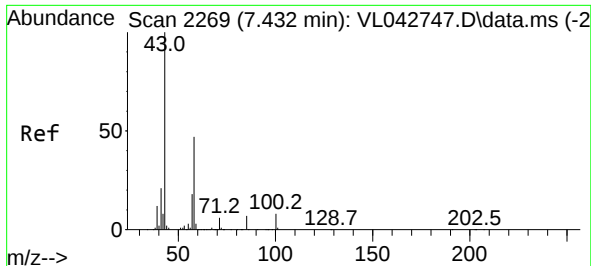
Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#

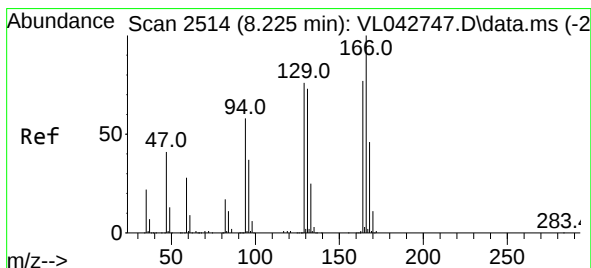
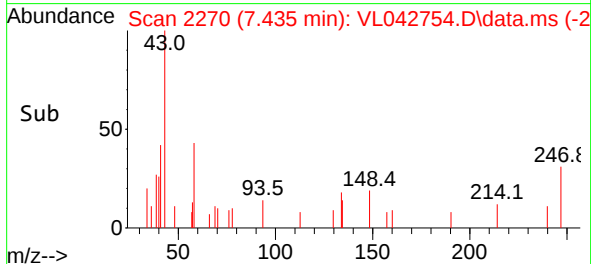
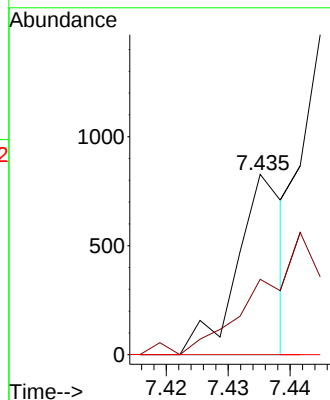
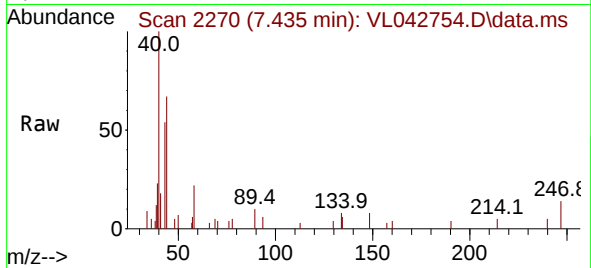




#51
2-Hexanone
Concen: 0.014 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

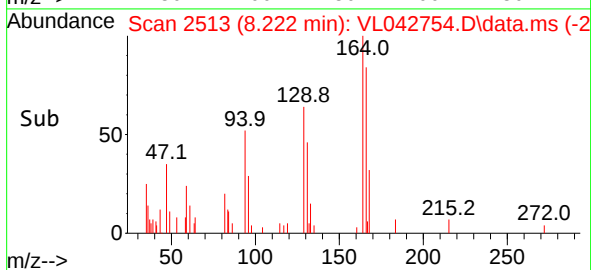
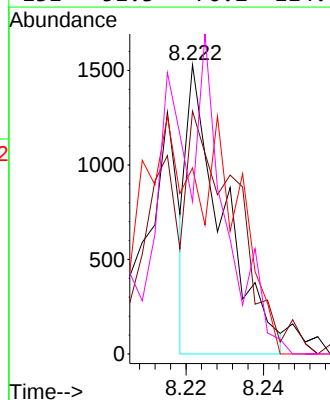
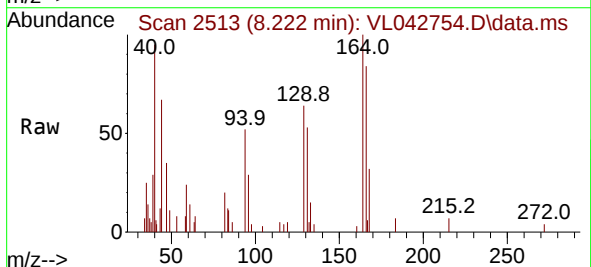
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

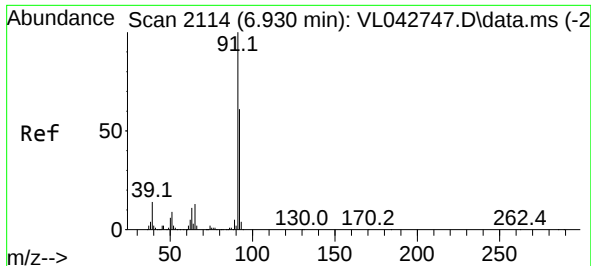
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.057 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 164 Resp: 981
Ion Ratio Lower Upper
164 100
166 85.9 104.0 156.0#
129 69.2 79.2 118.8#
131 51.3 76.2 114.4#

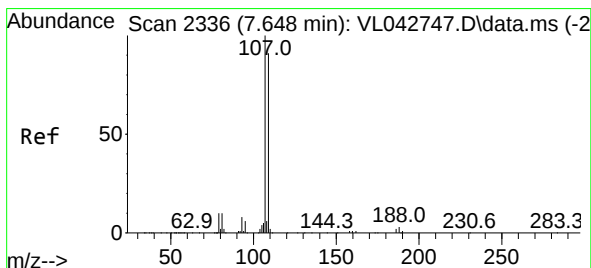
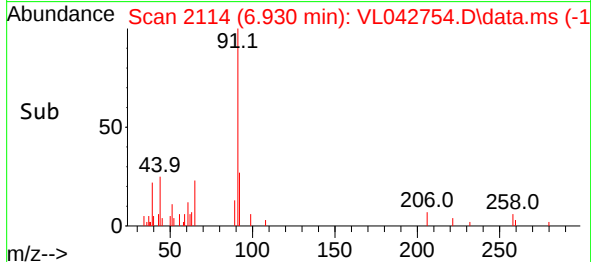
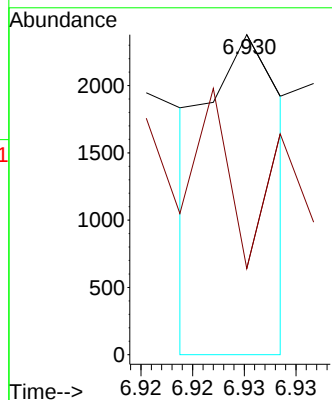
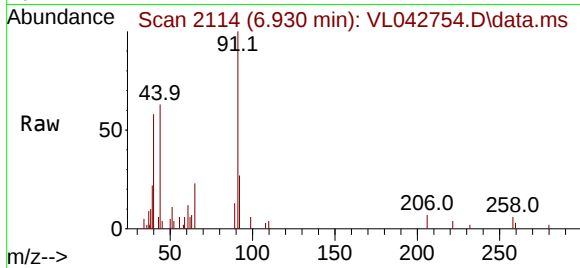




#53
Toluene
Concen: 0.027 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

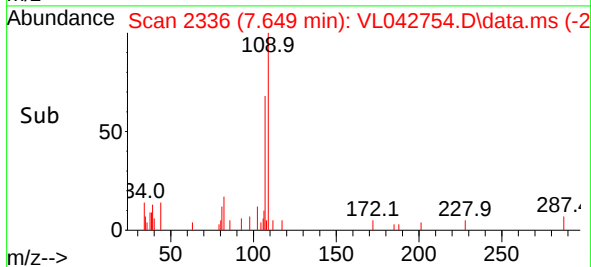
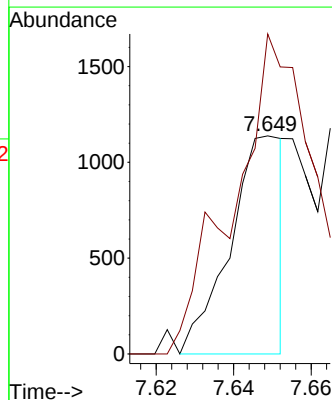
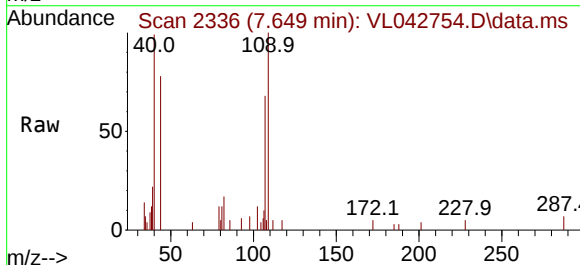
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

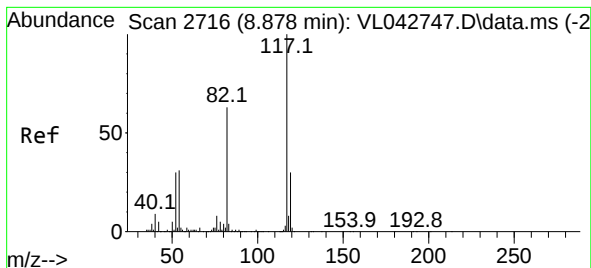
Tgt Ion: 91 Resp: 1198
Ion Ratio Lower Upper
91 100
92 229.3 48.0 72.0#



#54
1,2-Dibromoethane
Concen: 0.047 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 107 Resp: 1080
Ion Ratio Lower Upper
107 100
109 136.0 72.7 109.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.879 min Scan# 2716

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

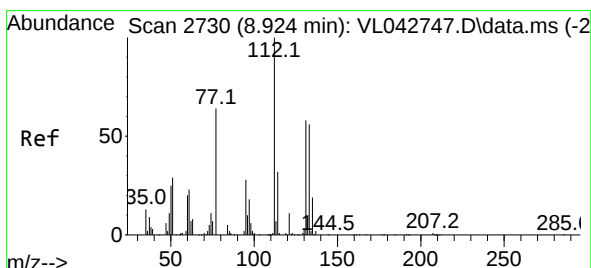
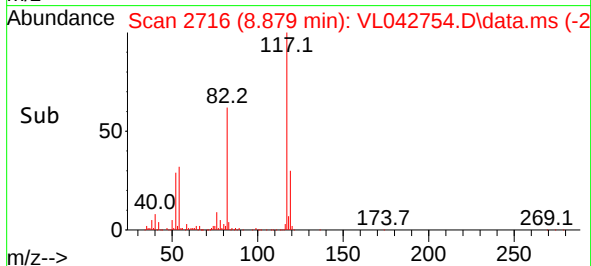
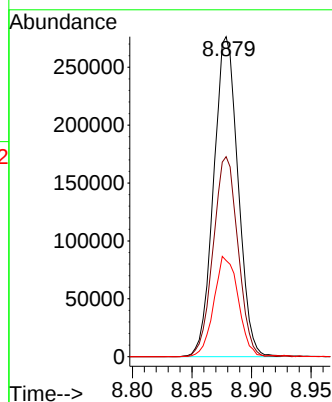
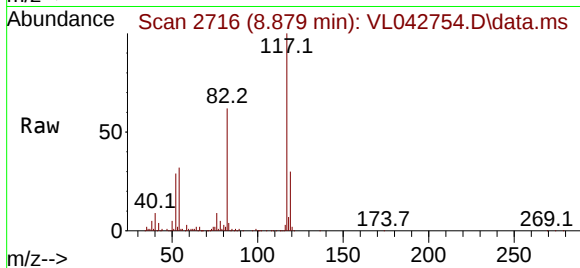
Tgt Ion:117 Resp: 393042

Ion Ratio Lower Upper

117 100

82 63.6 53.3 79.9

119 31.7 25.8 38.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.045 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

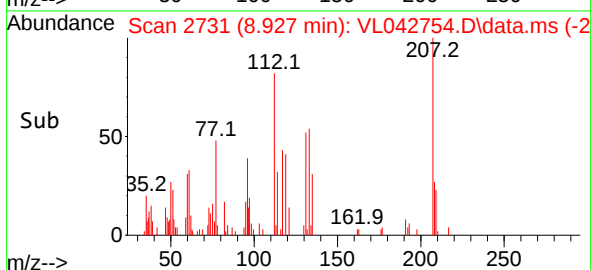
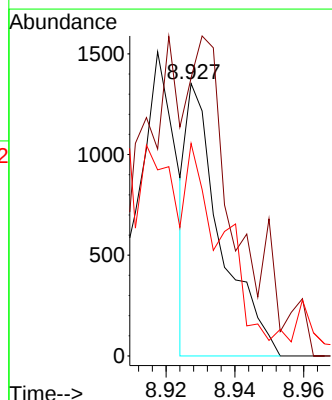
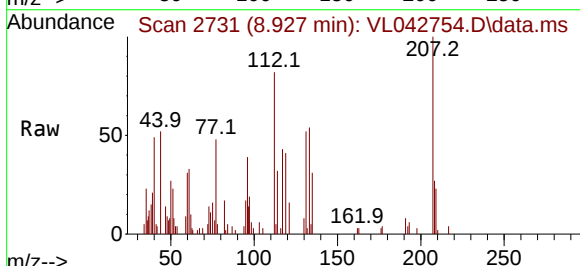
Tgt Ion:131 Resp: 922

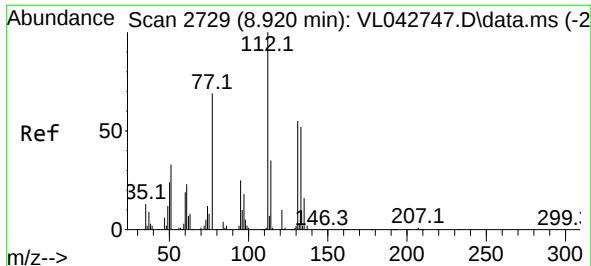
Ion Ratio Lower Upper

131 100

133 315.4 76.8 115.2#

119 0.0 49.7 74.5#





#57

Chlorobenzene

Concen: 0.114 ppbv

RT: 8.921 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

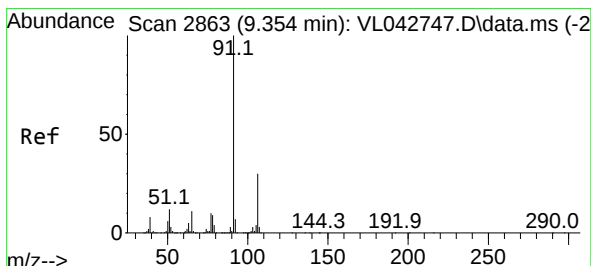
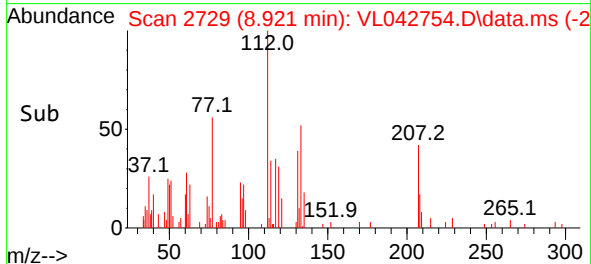
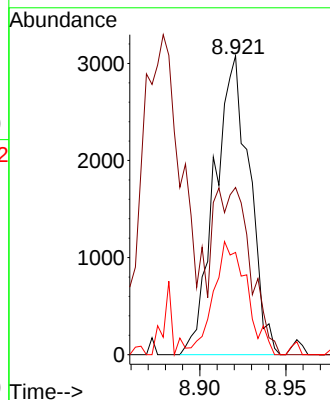
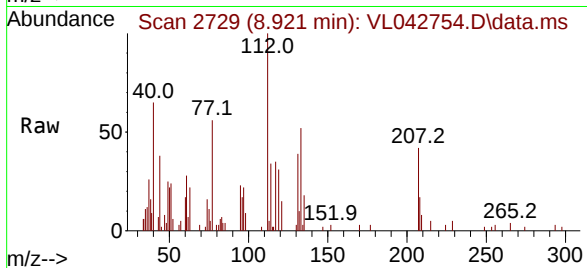
Tgt Ion:112 Resp: 4337

Ion Ratio Lower Upper

112 100

77 55.9 56.4 84.6#

114 34.2 31.2 38.2



#58

Ethyl Benzene

Concen: 0.035 ppbv

RT: 9.358 min Scan# 2864

Delta R.T. 0.004 min

Lab File: VL042754.D

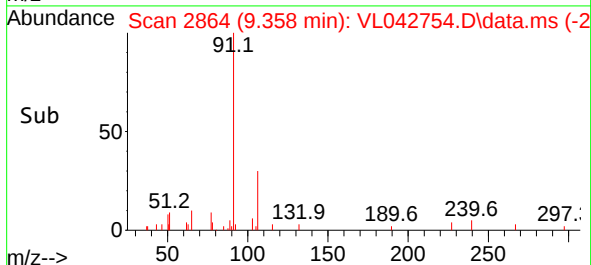
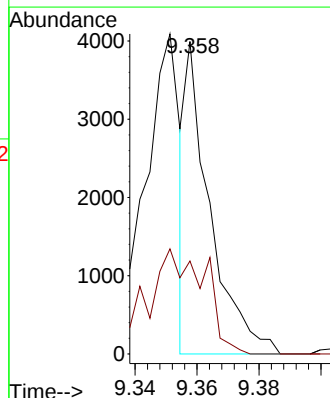
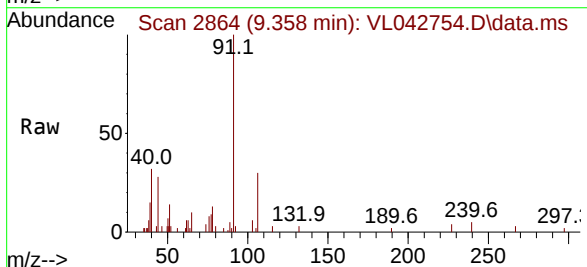
Acq: 23 Jul 2025 13:00

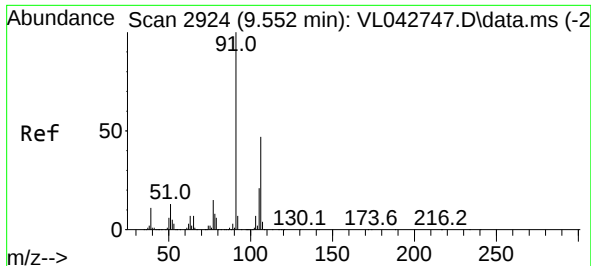
Tgt Ion: 91 Resp: 2183

Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6





#59

m/p-Xylene

Concen: 0.109 ppbv

RT: 9.539 min Scan# 2924

Delta R.T. -0.013 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

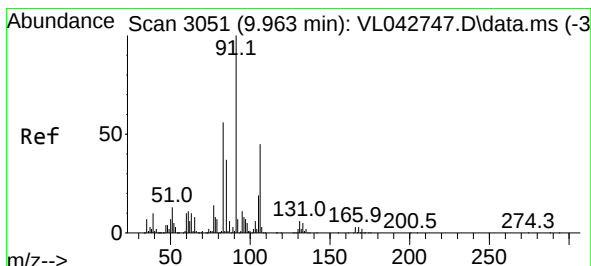
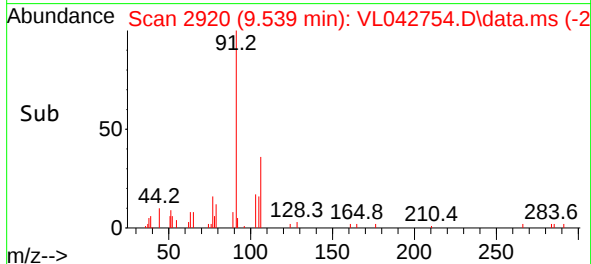
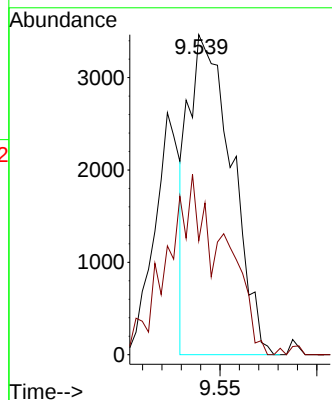
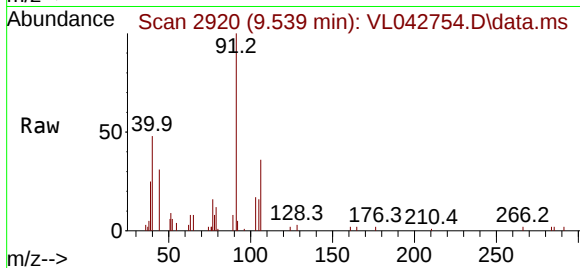
VSTDIC0.1

Tgt Ion: 91 Resp: 5405

Ion Ratio Lower Upper

91 100

106 73.2 37.4 56.2#



#60

o-Xylene

Concen: 0.042 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042754.D

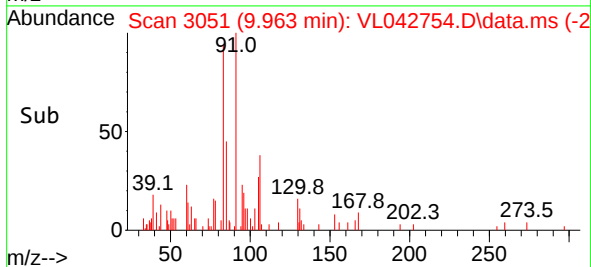
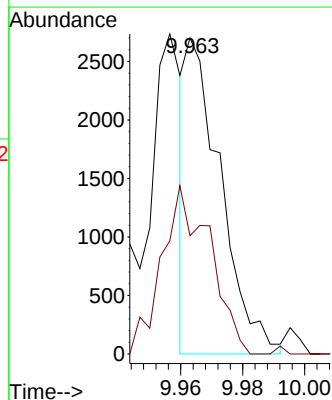
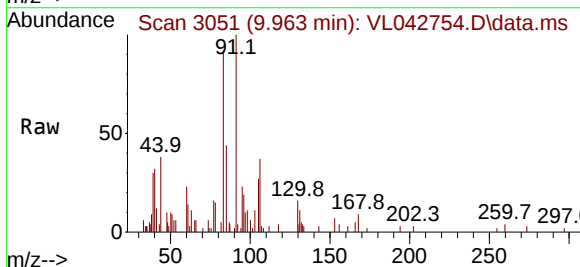
Acq: 23 Jul 2025 13:00

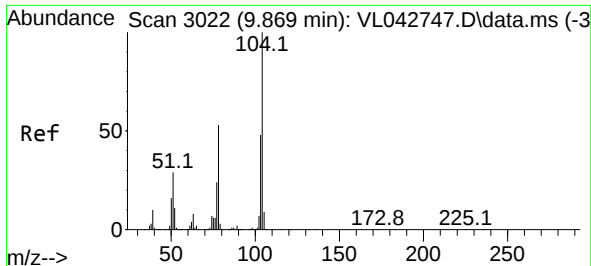
Tgt Ion: 91 Resp: 2101

Ion Ratio Lower Upper

91 100

106 74.2 22.0 66.0#

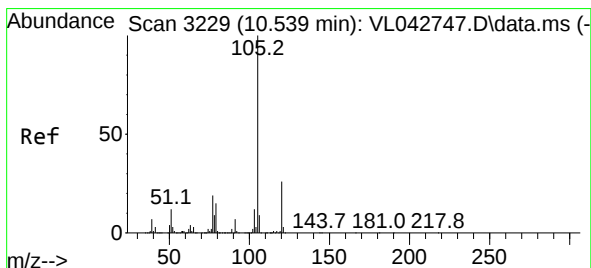
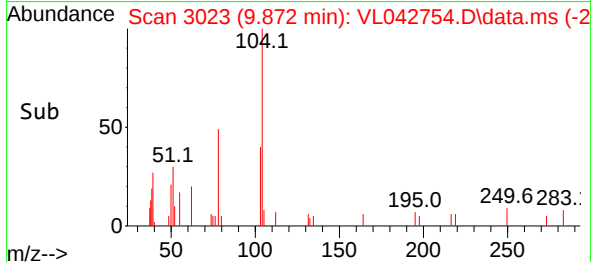
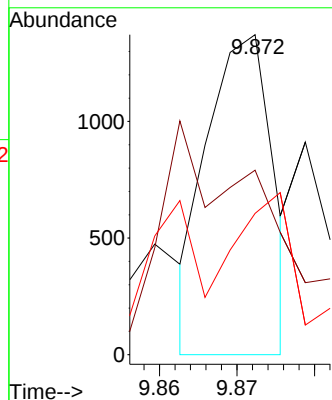
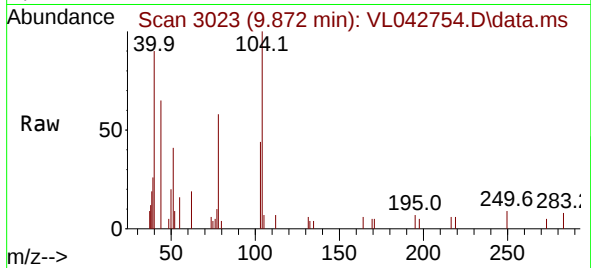




#61
Styrene
Concen: 0.039 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

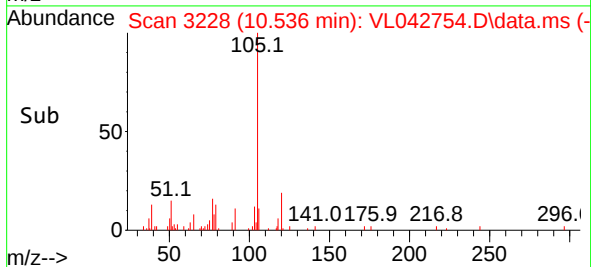
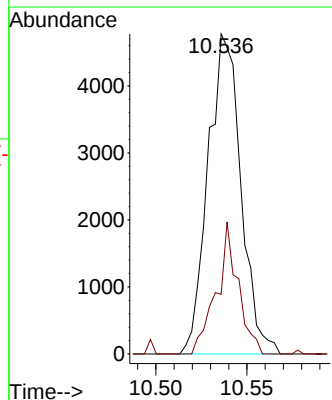
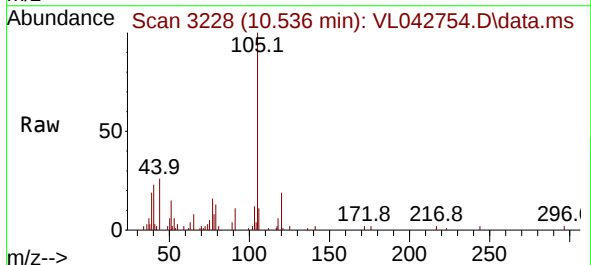
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

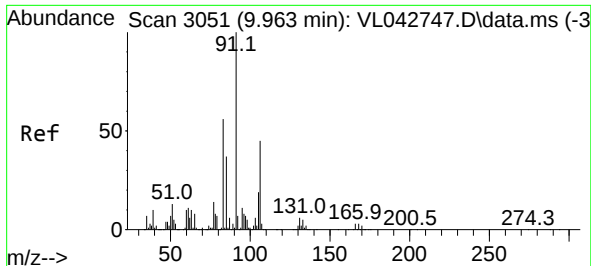
Tgt Ion:104 Resp: 807
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 91.7 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 5985
Ion Ratio Lower Upper
105 100
120 27.1 20.5 30.7

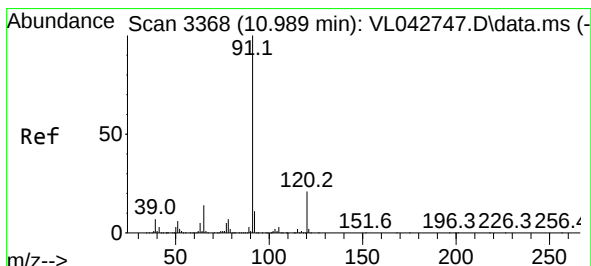
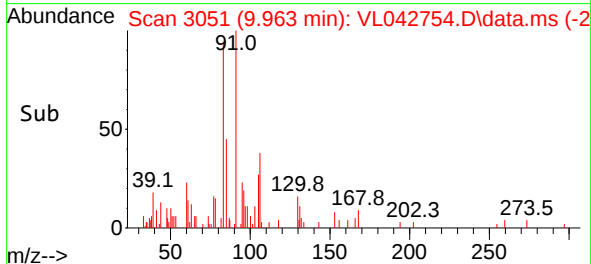
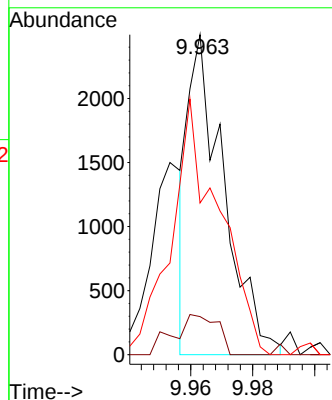
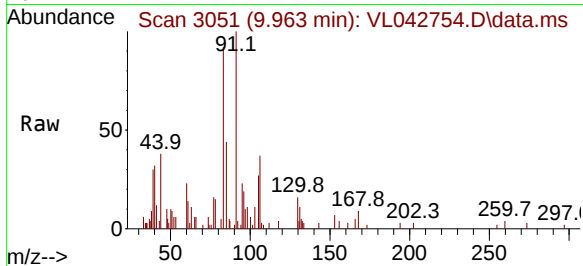




#63
1,1,2,2-Tetrachloroethane
Concen: 0.062 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

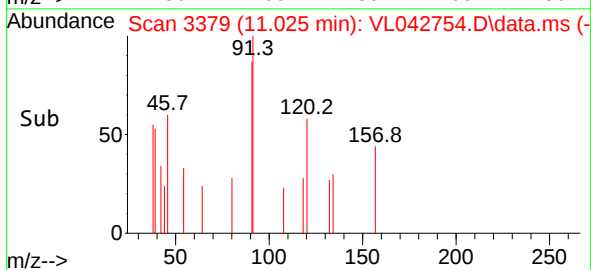
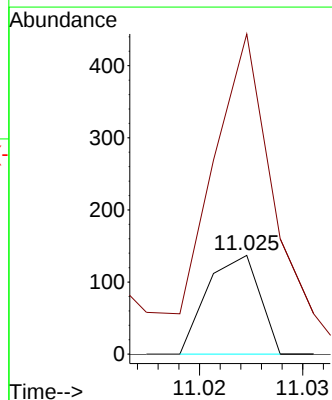
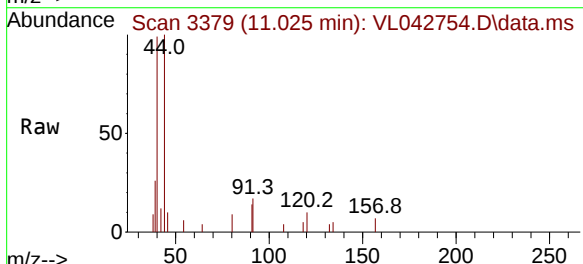
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

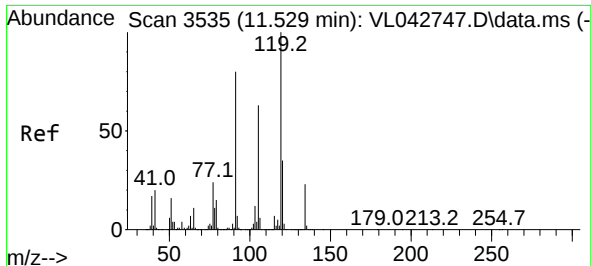
Tgt Ion: 83 Resp: 1989
Ion Ratio Lower Upper
83 100
131 16.8 5.0 15.0#
85 109.7 32.6 97.7#



#64
n-propylbenzene
Concen: 0.003 ppbv
RT: 11.025 min Scan# 3379
Delta R.T. 0.036 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 120 Resp: 48
Ion Ratio Lower Upper
120 100
91 397.9 372.7 559.1

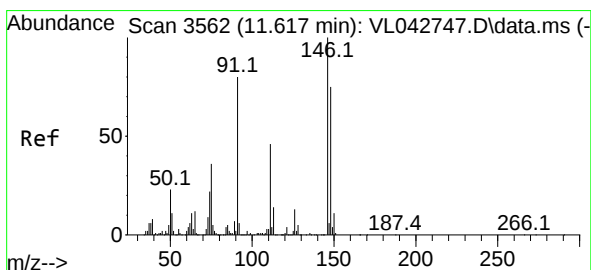
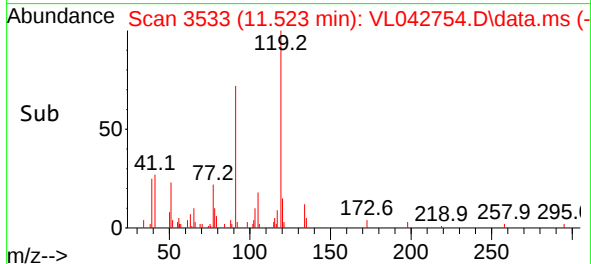
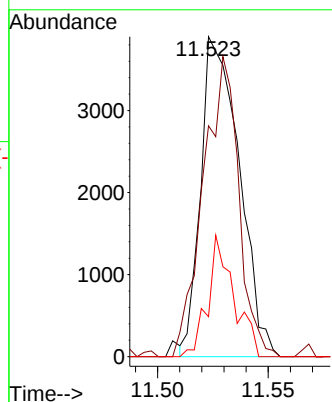
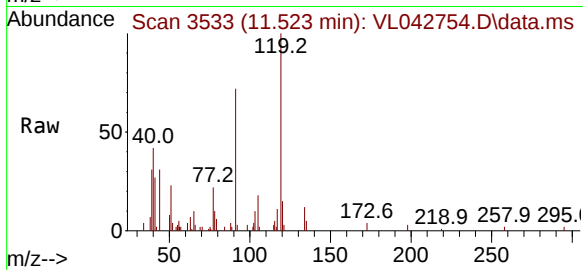




#65
tert-Butylbenzene
Concen: 0.072 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

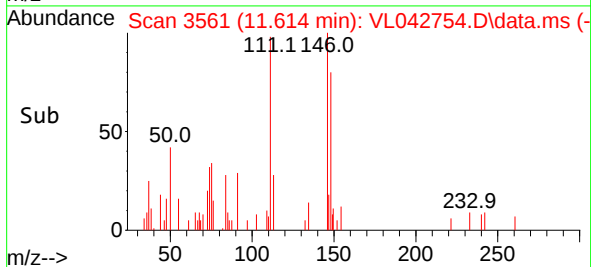
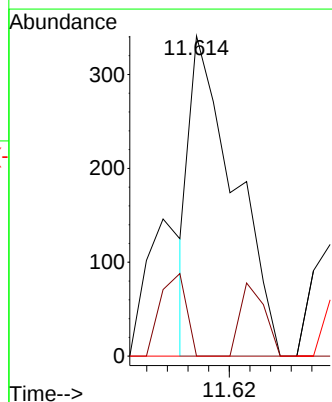
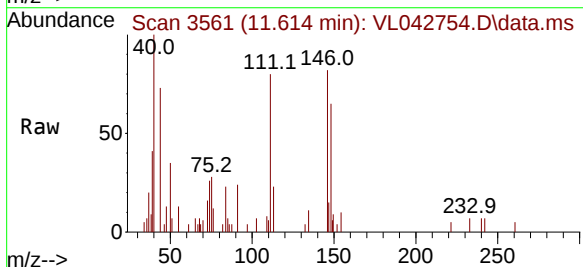
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

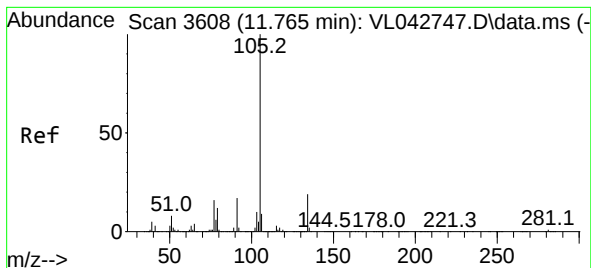
Tgt Ion:119 Resp: 4707
Ion Ratio Lower Upper
119 100
91 88.0 64.0 96.0
134 25.6 17.3 25.9



#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 204
Ion Ratio Lower Upper
91 100
126 27.9 14.4 21.6#
128 0.0 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.070 ppbv

RT: 11.766 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

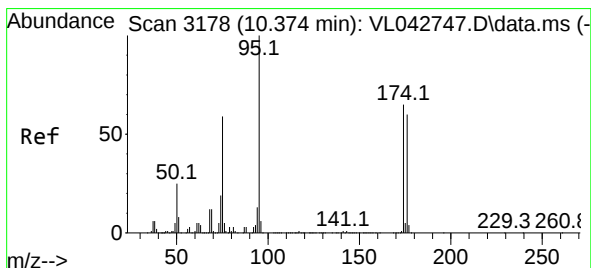
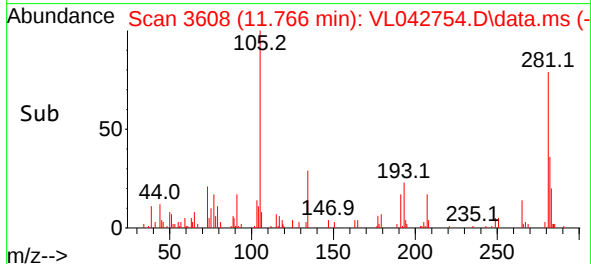
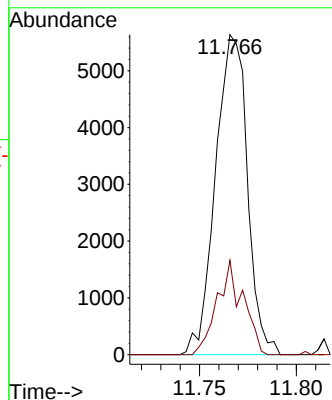
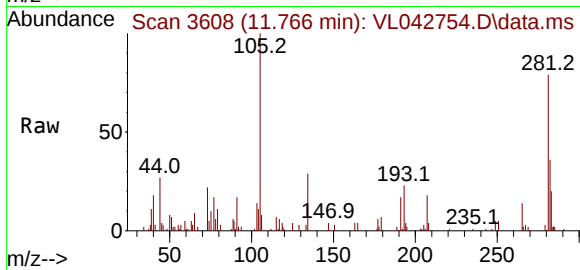
VSTDIC0.1

Tgt Ion:105 Resp: 6449

Ion Ratio Lower Upper

105 100

134 24.1 15.5 23.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.583 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

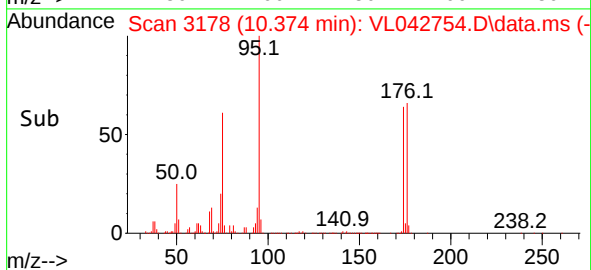
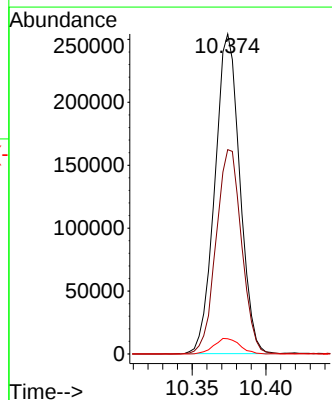
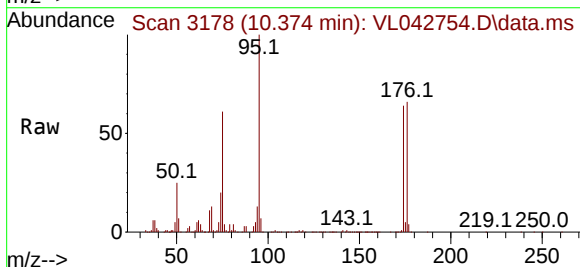
Tgt Ion: 95 Resp: 298283

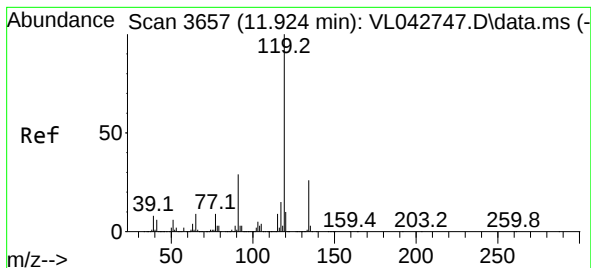
Ion Ratio Lower Upper

95 100

174 65.8 53.8 80.6

175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.071 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

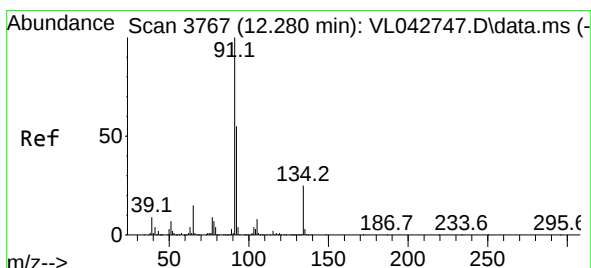
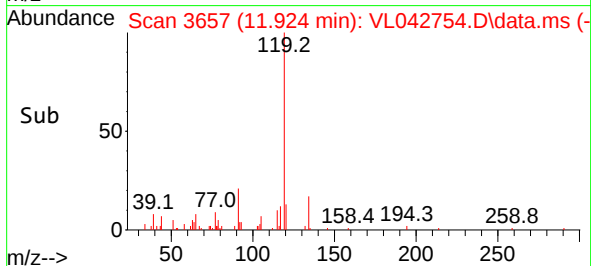
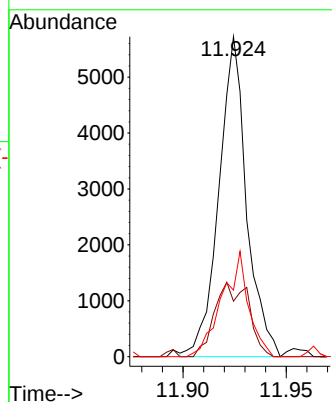
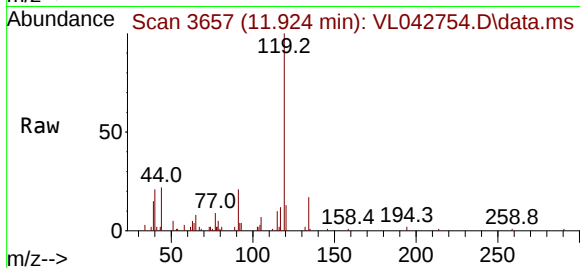
Tgt Ion:119 Resp: 5342

Ion Ratio Lower Upper

119 100

134 29.1 20.6 31.0

91 32.5 23.2 34.8



#70

n-Butylbenzene

Concen: 0.058 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

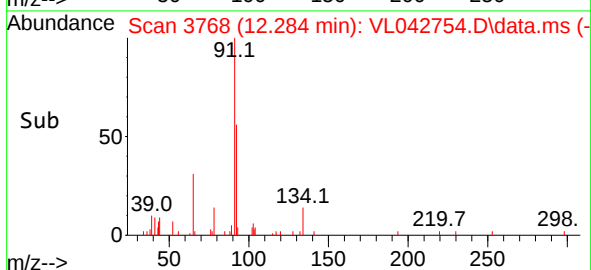
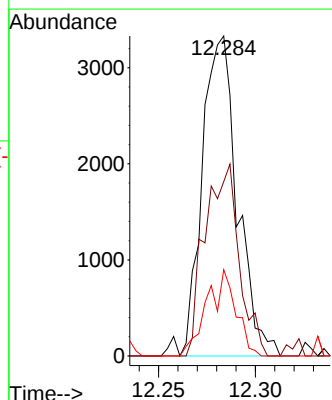
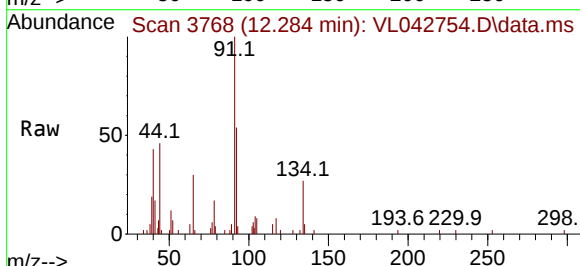
Tgt Ion: 91 Resp: 4198

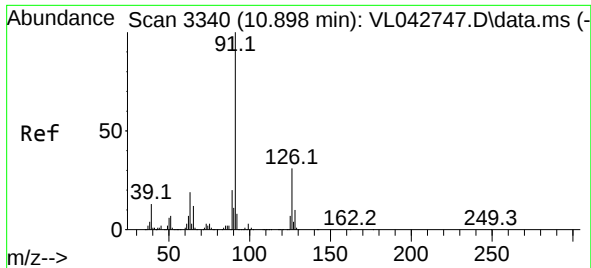
Ion Ratio Lower Upper

91 100

92 60.2 43.4 65.2

134 23.3 19.6 29.4

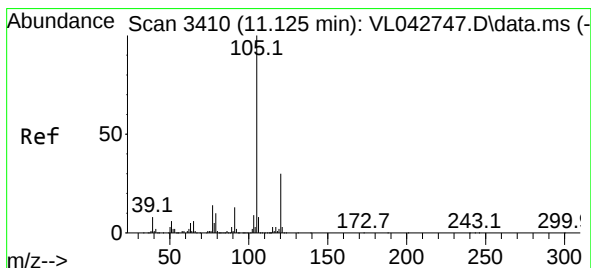
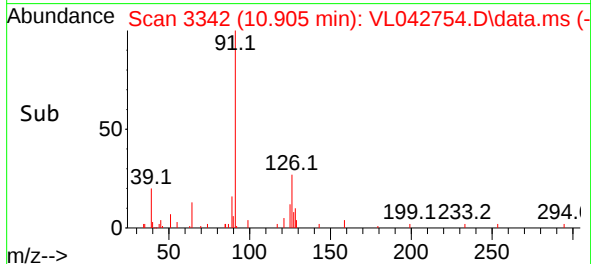
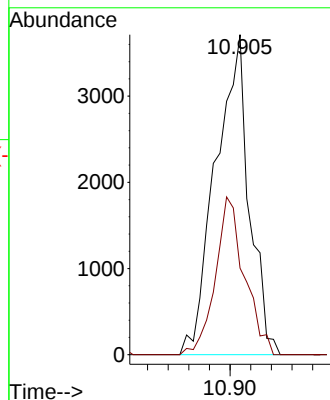
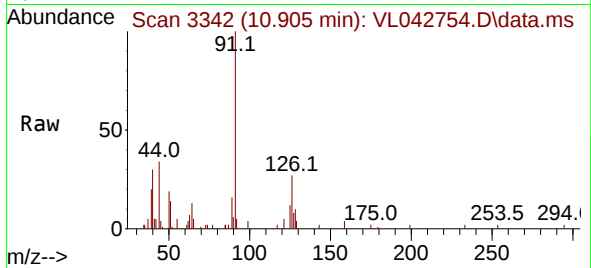




#71
2-Chlorotoluene
Concen: 0.075 ppbv
RT: 10.905 min Scan# 3110
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

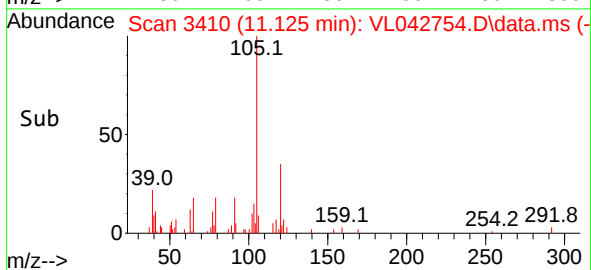
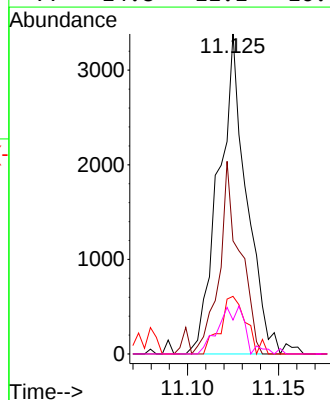
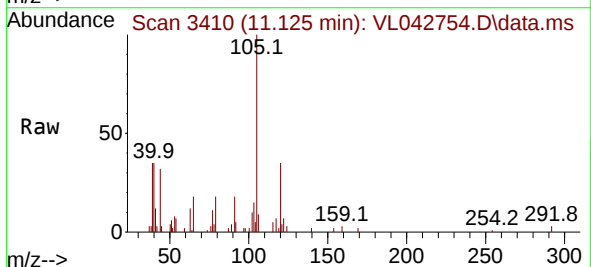
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

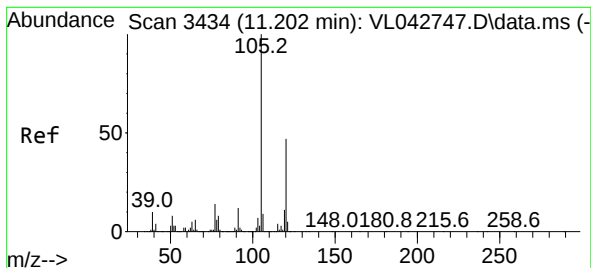
Tgt Ion: 91 Resp: 4180
Ion Ratio Lower Upper
91 100
126 42.8 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 105 Resp: 3597
Ion Ratio Lower Upper
105 100
120 46.2 24.4 36.6#
91 16.8 10.6 15.8#
77 14.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.074 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.003 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

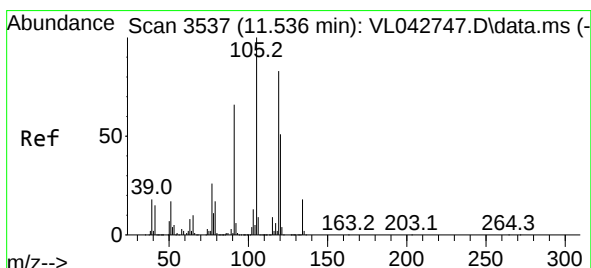
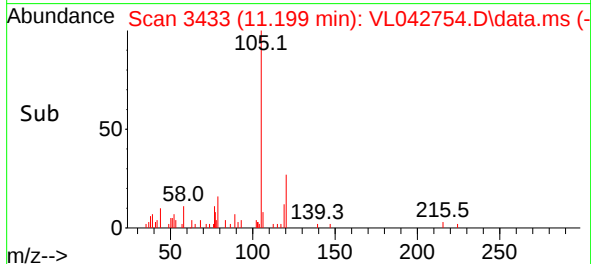
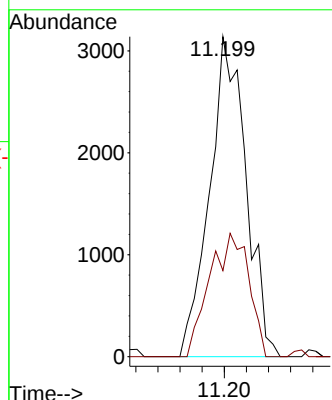
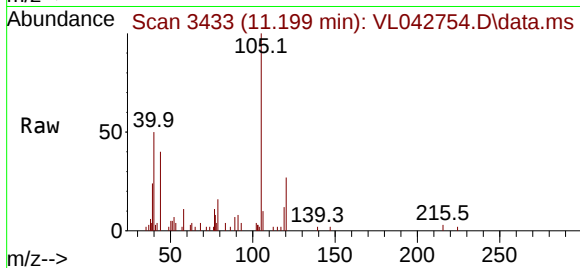
VSTDIC0.1

Tgt Ion:105 Resp: 3603

Ion Ratio Lower Upper

105 100

120 26.9 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.072 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 3826

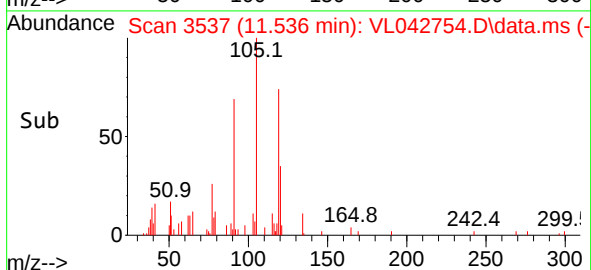
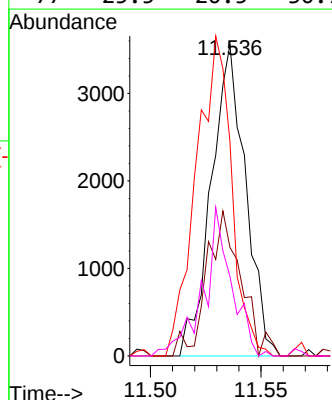
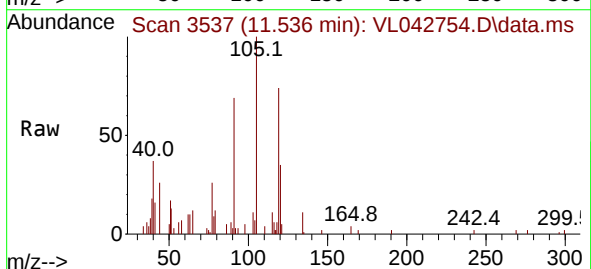
Ion Ratio Lower Upper

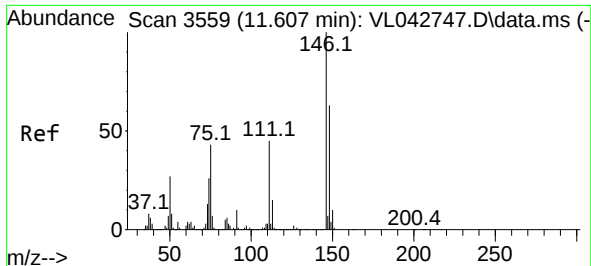
105 100

120 34.8 40.8 61.2#

91 68.7 53.0 79.4

77 25.5 20.5 30.7

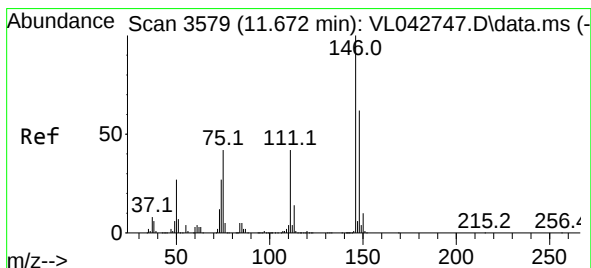
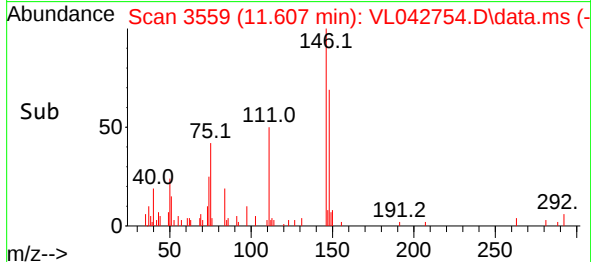
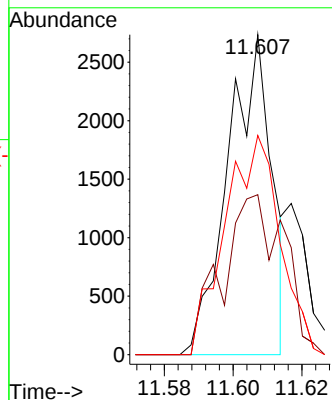
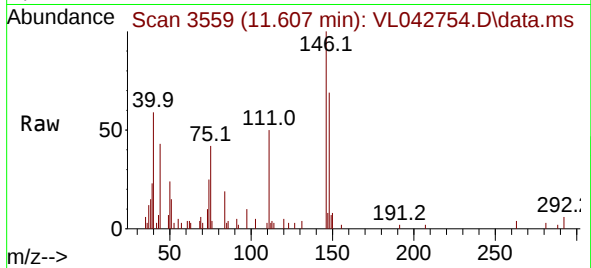




#75
1,3-Dichlorobenzene
Concen: 0.065 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

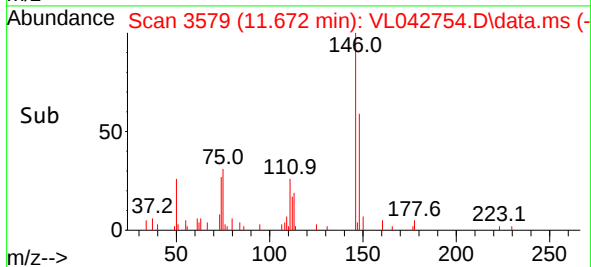
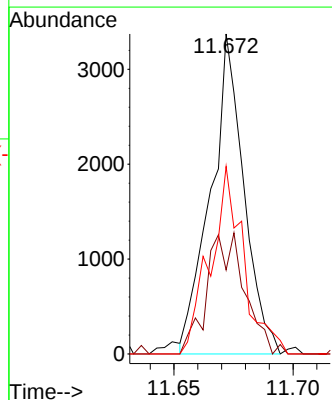
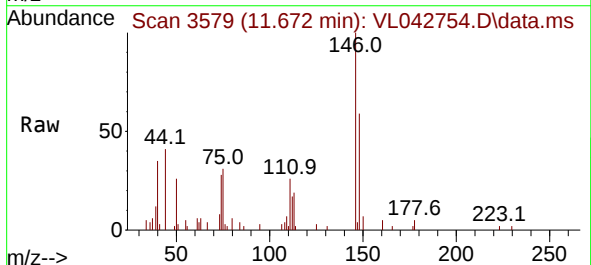
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

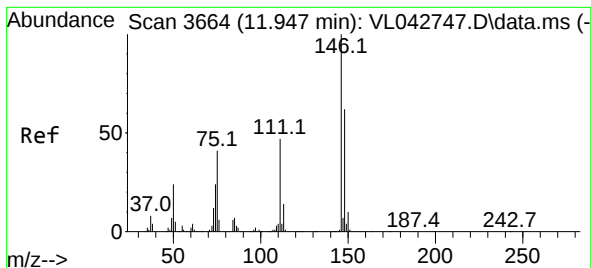
Tgt Ion:146 Resp: 2417
Ion Ratio Lower Upper
146 100
111 70.0 22.7 68.0#
148 86.3 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 0.090 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:146 Resp: 3265
Ion Ratio Lower Upper
146 100
111 43.3 21.4 64.2
148 58.6 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 0.092 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

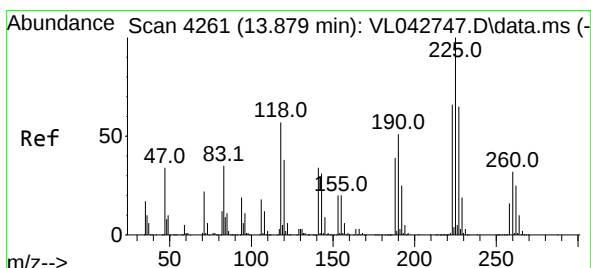
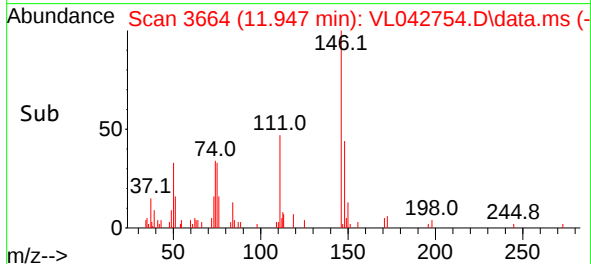
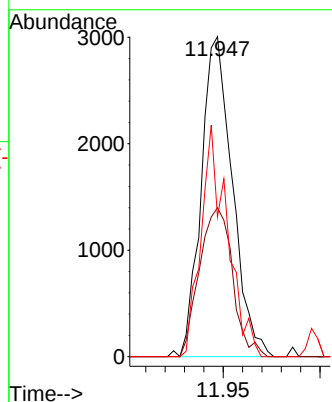
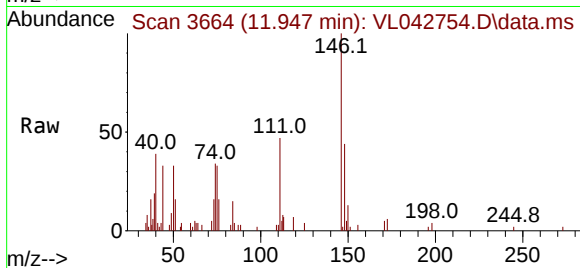
Tgt Ion:146 Resp: 3354

Ion Ratio Lower Upper

146 100

111 49.5 23.7 71.1

148 61.6 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.123 ppbv

RT: 13.883 min Scan# 4262

Delta R.T. 0.004 min

Lab File: VL042754.D

Acq: 23 Jul 2025 13:00

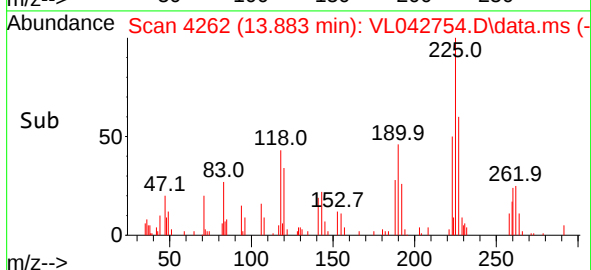
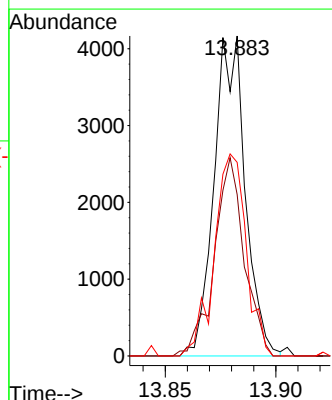
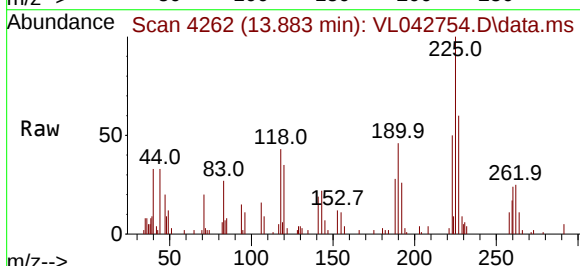
Tgt Ion:225 Resp: 4077

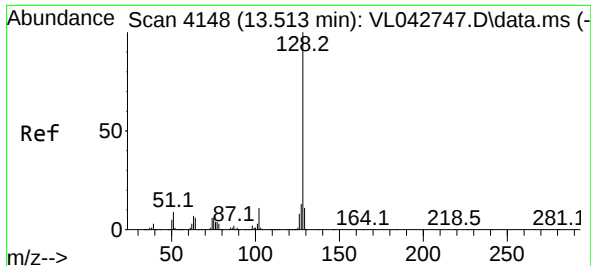
Ion Ratio Lower Upper

225 100

223 59.6 50.7 76.1

227 64.7 50.5 75.7

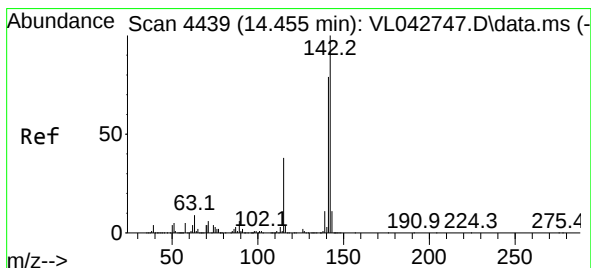
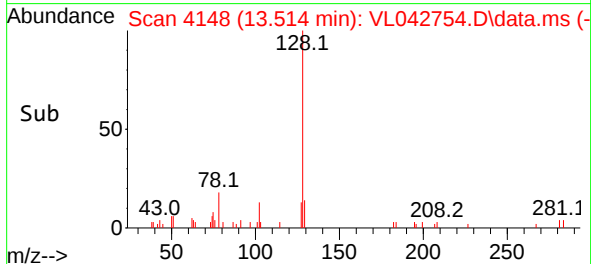
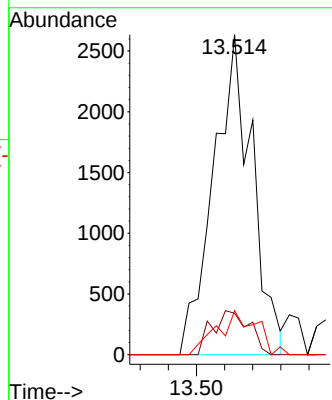
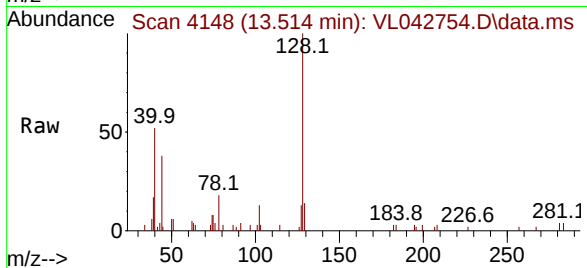




#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.514 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

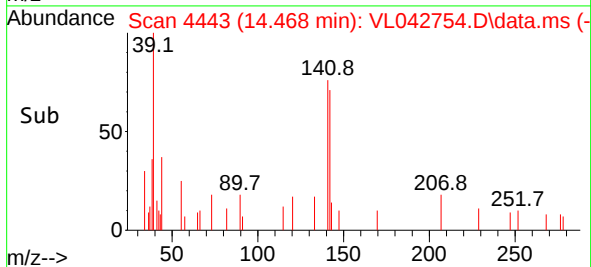
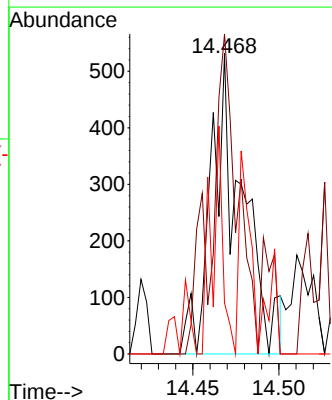
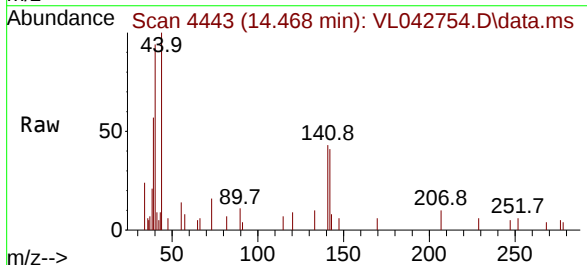
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

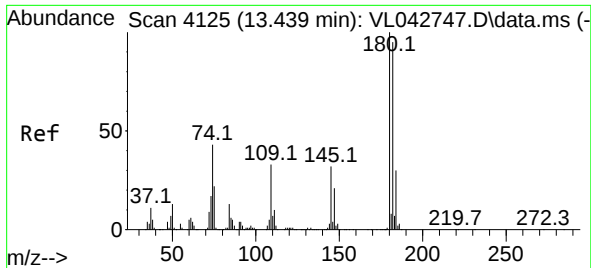
Tgt Ion:128 Resp: 2509
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 13.7 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.147 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.013 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
141 103.7 65.8 98.8#
115 65.2 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.475 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042754.D

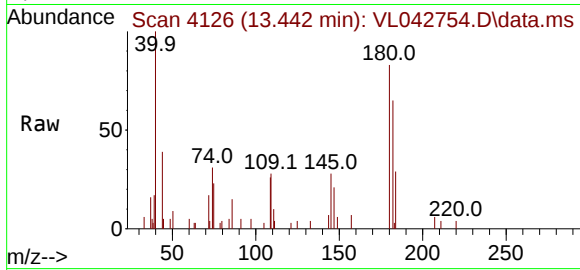
Acq: 23 Jul 2025 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 1396

Ion Ratio Lower Upper

180 100

182 110.8 76.2 114.2

184 53.7 24.8 37.2#

