

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042731.D
 Acq On : 22 Jul 2025 15:06
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 02:57:55 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 02:51:39 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	103230	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	302238	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	274367	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 234672 10.583 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.499	85	144692	8.979 ppbv	96
3) Chlorodifluoromethane	1.476	51	163537	8.972 ppbv	100
4) Chloromethane	1.531	50	59713	9.048 ppbv	99
5) Vinyl Chloride	1.580	62	52575	8.065 ppbv	95
6) Bromomethane	1.667	94	22692	8.602 ppbv	94
7) Chloroethane	1.703	64	21336	8.608 ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	117893	8.673 ppbv	96
9) Propene	1.483	41	55429	8.572 ppbv	90
10) Heptane	4.978	43	161440	8.977 ppbv	98
11) Trichlorofluoromethane	1.878	101	147785	8.911 ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.140	101	112524	8.671 ppbv	99
13) Ethanol	1.722	45	5706	5.245 ppbv	95
14) Bromoethene	1.781	108	40918	8.844 ppbv	97
15) Acetone	1.836	43	123985	7.173 ppbv	97
16) 1,3-Butadiene	1.609	39	63491	8.577 ppbv	99
17) tert-Butyl alcohol	2.039	59	141688	8.633 ppbv	100
18) 1,1-Dichloroethene	2.033	96	49477	8.966 ppbv	94
19) Isopropyl Alcohol	1.884	45	80872	8.828 ppbv	98
20) Methylene Chloride	2.062	84	42368	7.798 ppbv	93
21) Allyl Chloride	2.094	41	99845	9.011 ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	55870	8.826 ppbv	85
23) Vinyl Acetate	2.460	43	186778	9.479 ppbv	98
24) 1,1-Dichloroethane	2.408	63	113158	8.938 ppbv	99
25) Ethyl Acetate	2.836	43	290054	9.094 ppbv	100
26) Hexane	2.826	57	126560	9.045 ppbv	98
27) Carbon Disulfide	2.149	76	133849	8.956 ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	71716	8.817 ppbv	98
29) Chloroform	2.849	83	209913	9.085 ppbv	98
30) Cyclohexane	3.858	84	112878	9.245 ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	137905	9.153 ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	220748	9.073 ppbv	98
34) 2-Butanone	2.554	43	194585	9.349 ppbv	98
35) Carbon Tetrachloride	3.761	117	227881	9.202 ppbv	97
36) Benzene	3.655	78	267416	9.524 ppbv	98
37) 1,2-Dichloroethane	3.218	62	173758	9.701 ppbv	99
38) Trichloroethene	4.548	130	121878	8.904 ppbv	96
39) 1,2-Dichloropropane	4.312	63	95953	9.178 ppbv	99
40) 1,4-Dioxane	4.580	88	44298	8.895 ppbv #	97
41) Tetrahydrofuran	3.049	42	102809	9.797 ppbv	98
42) Bromodichloromethane	4.490	83	231463	9.879 ppbv	97
43) Methyl Methacrylate	4.878	69	104231	9.663 ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	433727	9.411 ppbv	99
45) t-1,3-Dichloropropene	6.412	75	127678	9.641 ppbv	98

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

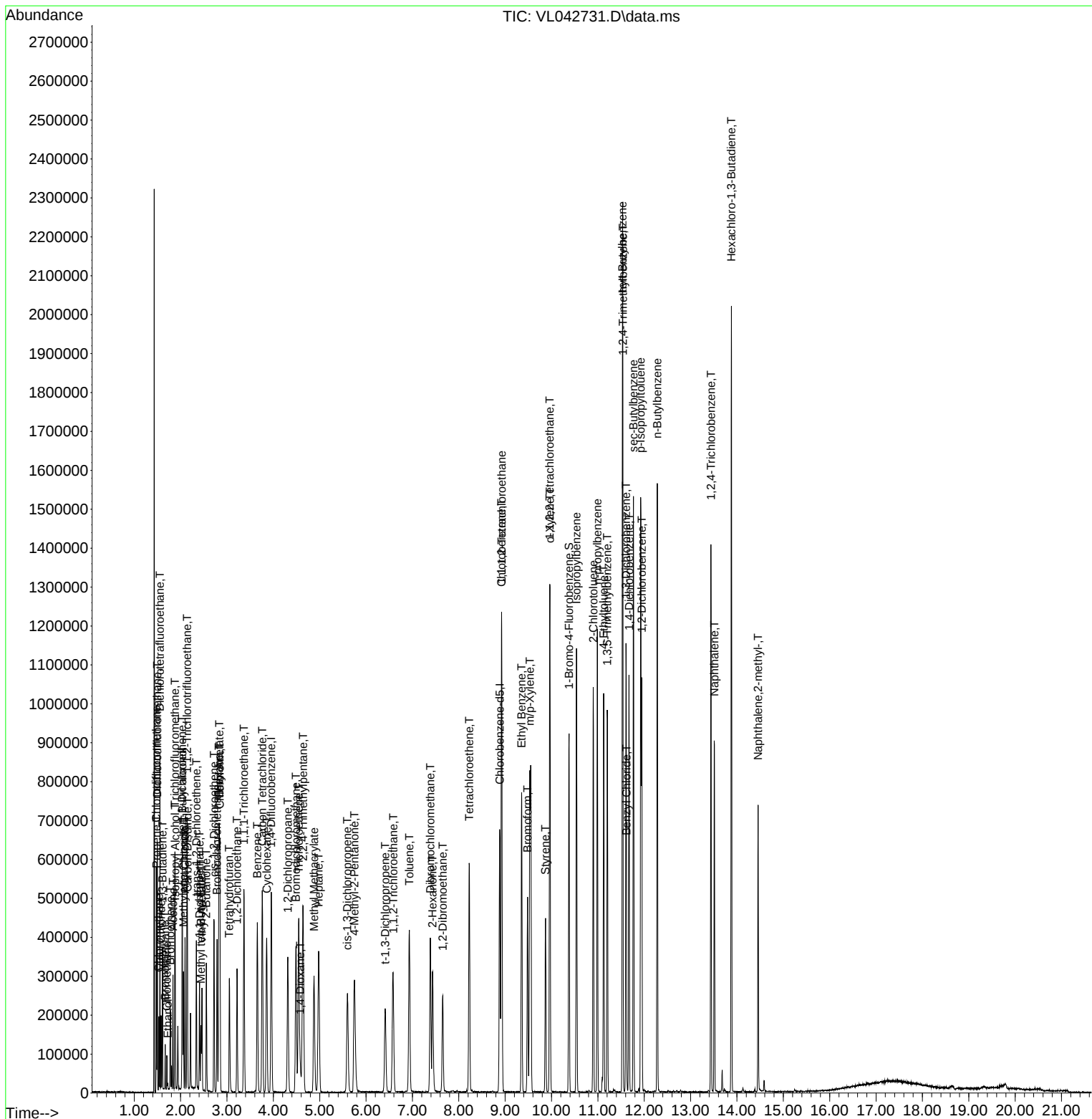
Instrument :
 MSVOA_L
 ClientSampleId :

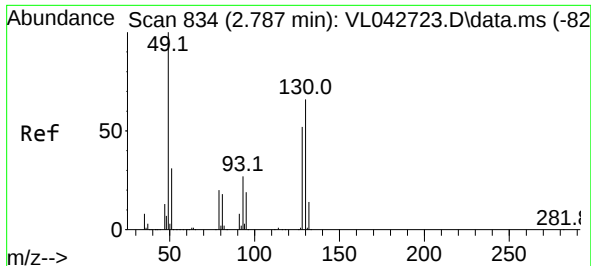
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 02:51:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	155049	9.842	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	104049	9.079	ppbv	89
48) Dibromochloromethane	7.386	129	186331	9.788	ppbv	98
49) Bromoform	9.484	173	163543	9.950	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	131788	4.832	ppbv #	40
51) 2-Hexanone	7.432	43	213373	9.809	ppbv #	100
52) Tetrachloroethene	8.228	164	102369	9.047	ppbv	95
53) Toluene	6.933	91	303714	9.593	ppbv	98
54) 1,2-Dibromoethane	7.655	107	158768	9.309	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	136803	9.255	ppbv	99
57) Chlorobenzene	8.921	112	239120	9.150	ppbv	98
58) Ethyl Benzene	9.354	91	437222	9.539	ppbv	99
59) m/p-Xylene	9.532	91	367087	10.012	ppbv #	30
60) o-Xylene	9.966	91	348762	9.421	ppbv	99
61) Styrene	9.869	104	154909	9.714	ppbv	98
62) Isopropylbenzene	10.539	105	518317	9.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	194906	9.208	ppbv	99
64) n-propylbenzene	10.989	120	133130	9.590	ppbv	100
65) tert-Butylbenzene	11.532	119	458035	9.301	ppbv	100
66) Benzyl Chloride	11.617	91	50184	10.713	ppbv	98
67) sec-Butylbenzene	11.769	105	633973	9.372	ppbv	99
69) p-Isopropyltoluene	11.924	119	549049	9.690	ppbv	100
70) n-Butylbenzene	12.280	91	549486	10.147	ppbv	100
71) 2-Chlorotoluene	10.901	91	395308	9.476	ppbv	99
72) 4-Ethyltoluene	11.125	105	434852	9.850	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	368192	10.084	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	400229	9.991	ppbv #	86
75) 1,3-Dichlorobenzene	11.607	146	251235	9.378	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	247720	9.559	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	238232	9.276	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	210055	8.402	ppbv	99
79) Naphthalene	13.510	128	410019	13.681	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	199543	20.233	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	222336	12.164	ppbv	99

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

Quant Time: Jul 23 02:57:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
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QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration

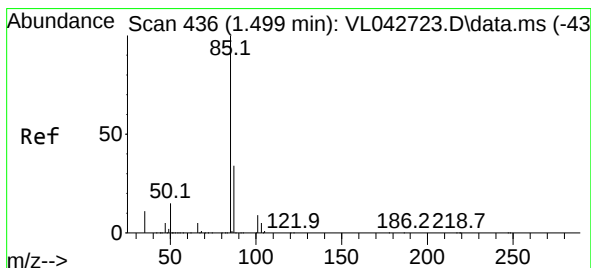
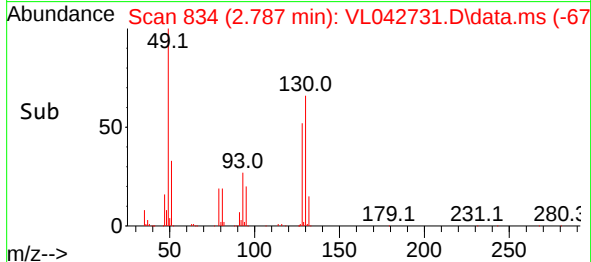
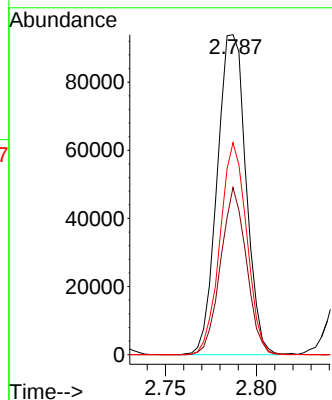
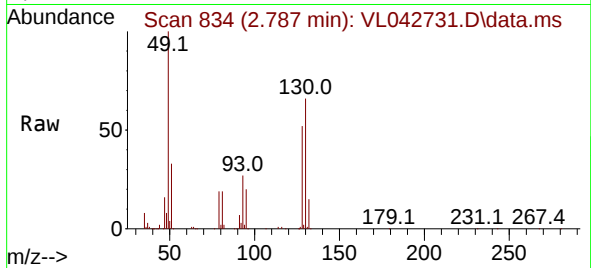




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 834
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

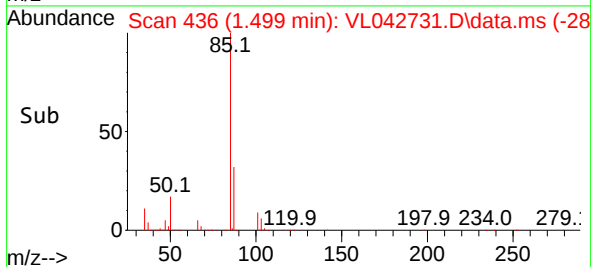
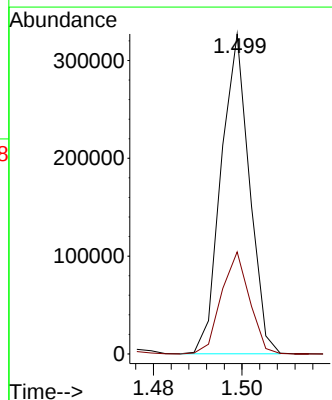
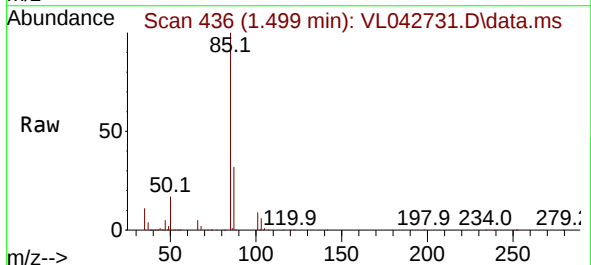
Instrument :
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 ClientSampleId :

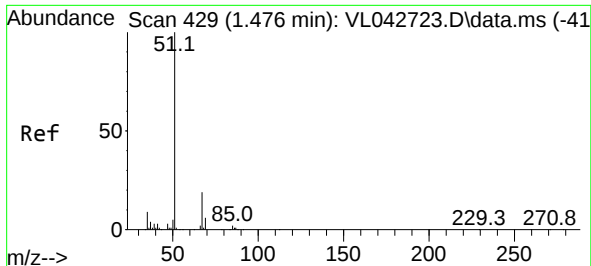
Tgt Ion: 49 Resp: 103230
 Ion Ratio Lower Upper
 49 100
 128 46.7 24.5 73.5
 130 61.5 31.7 95.1



#2
 Dichlorodifluoromethane
 Concen: 8.979 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 85 Resp: 144692
 Ion Ratio Lower Upper
 85 100
 87 31.9 27.5 41.3

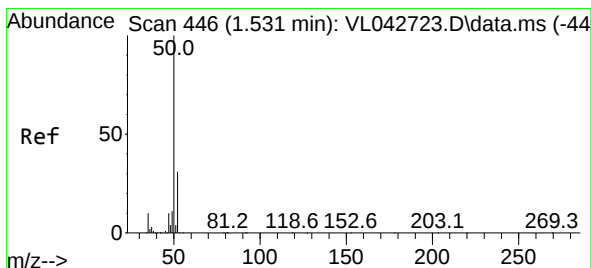
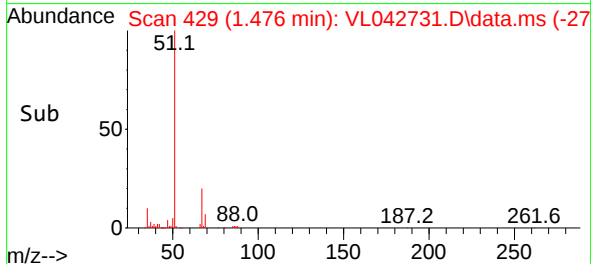
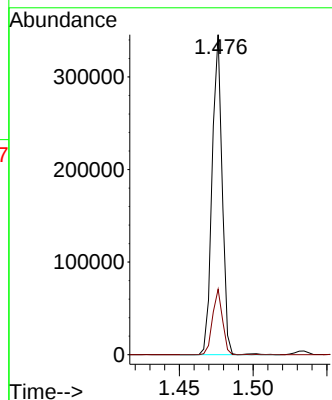
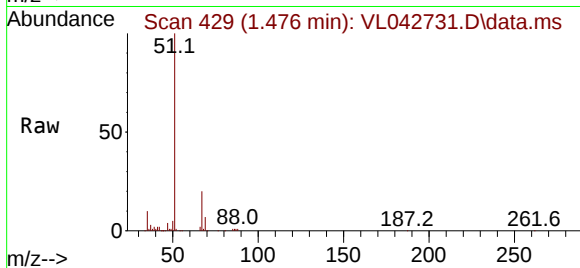




#3
Chlorodifluoromethane
Concen: 8.972 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

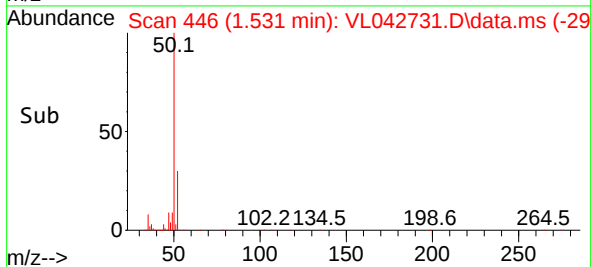
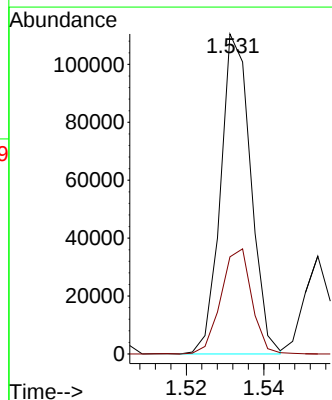
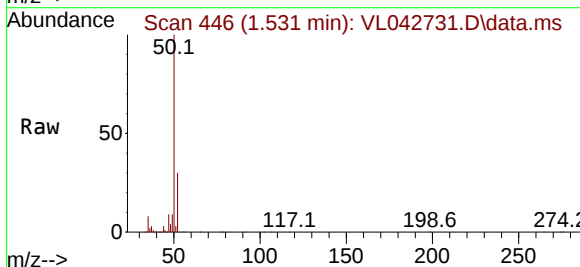
Instrument :
MSVOA_L
ClientSampleId :

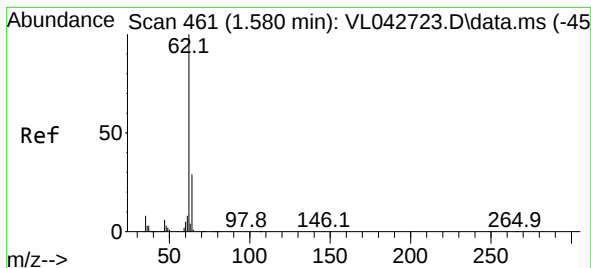
Tgt Ion: 51 Resp: 163537
Ion Ratio Lower Upper
51 100
67 20.1 16.0 24.0



#4
Chloromethane
Concen: 9.048 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 50 Resp: 59713
Ion Ratio Lower Upper
50 100
52 30.3 24.9 37.3





#5

Vinyl Chloride

Concen: 8.065 ppbv

RT: 1.580 min Scan# 461

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

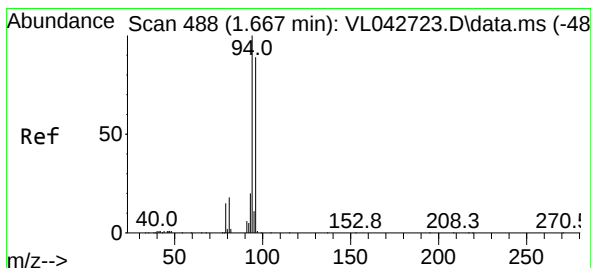
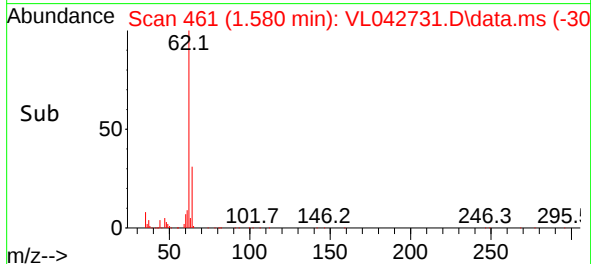
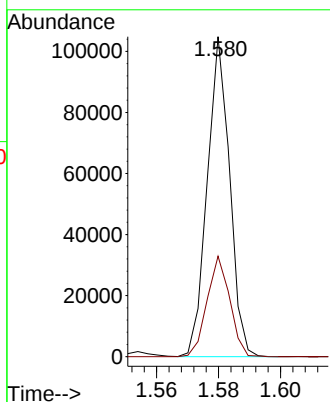
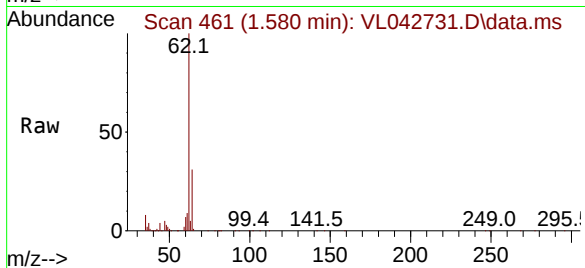
ClientSampleId :

Tgt Ion: 62 Resp: 52575

Ion Ratio Lower Upper

62 100

64 31.4 23.0 34.6



#6

Bromomethane

Concen: 8.602 ppbv

RT: 1.667 min Scan# 488

Delta R.T. 0.000 min

Lab File: VL042731.D

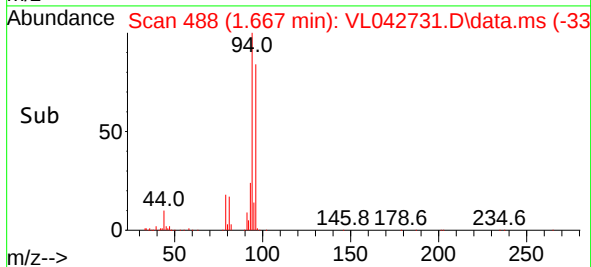
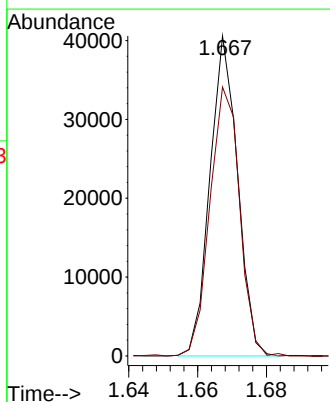
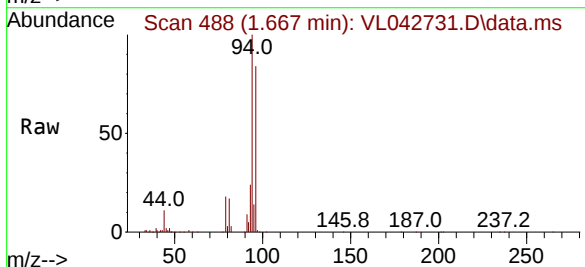
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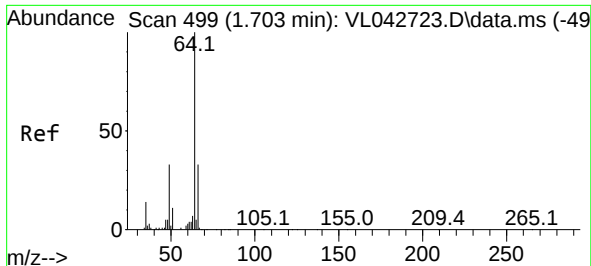
Tgt Ion: 94 Resp: 22692

Ion Ratio Lower Upper

94 100

96 83.6 71.1 106.7

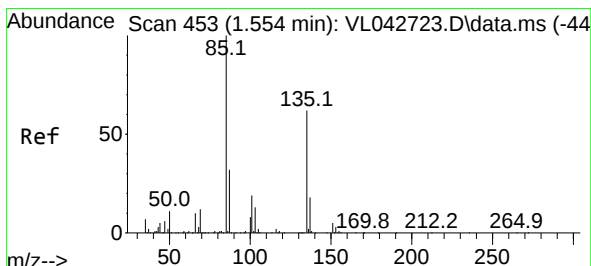
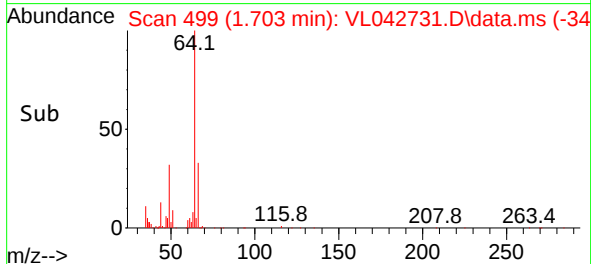
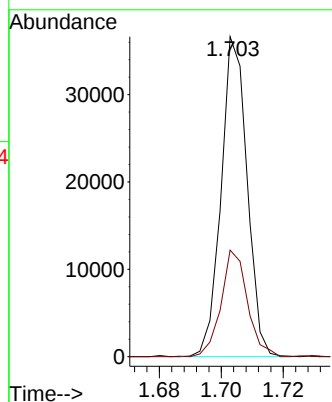
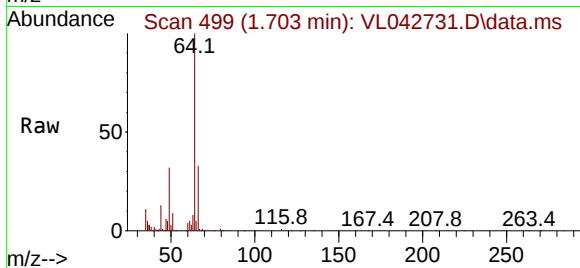




#7
Chloroethane
Concen: 8.608 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

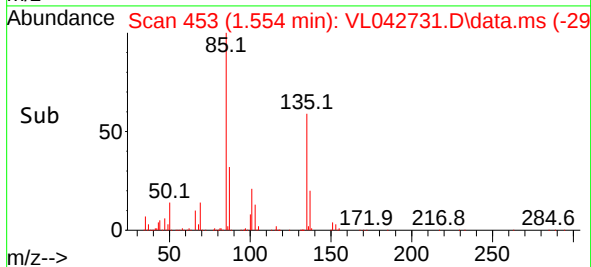
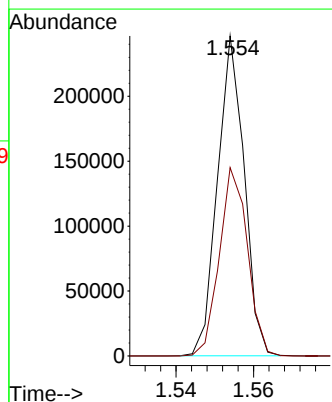
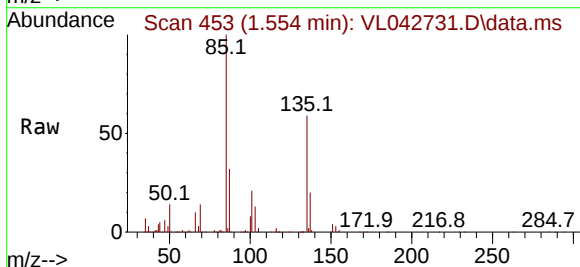
Instrument :
MSVOA_L
ClientSampleId :

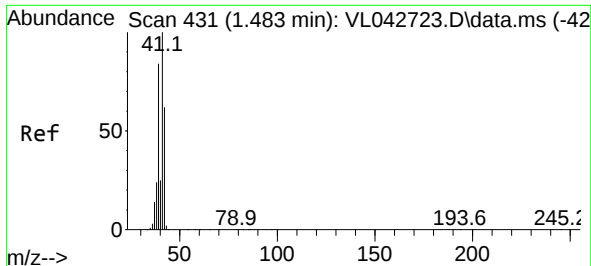
Tgt Ion: 64 Resp: 21336
Ion Ratio Lower Upper
64 100
66 33.3 26.4 39.6



#8
Dichlorotetrafluoroethane
Concen: 8.673 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 85 Resp: 117893
Ion Ratio Lower Upper
85 100
135 62.1 52.0 78.0





#9

Propene

Concen: 8.572 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

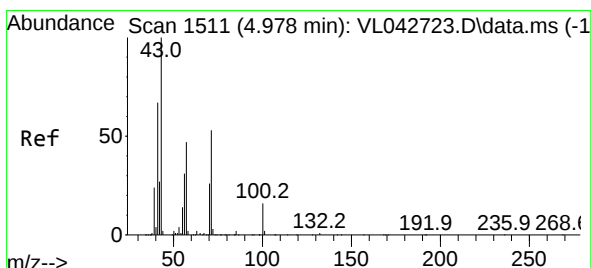
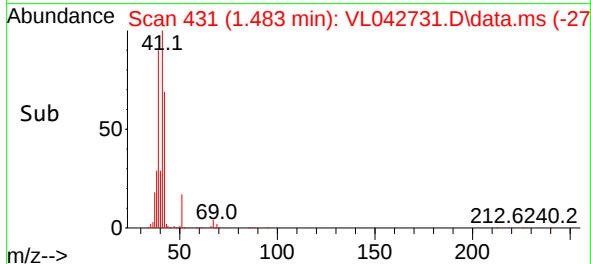
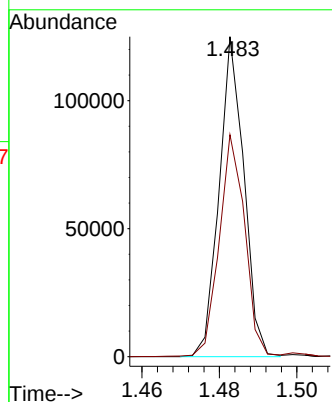
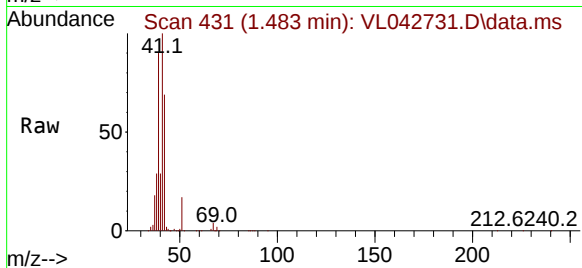
ClientSampleId :

Tgt Ion: 41 Resp: 55429

Ion Ratio Lower Upper

41 100

42 73.1 52.0 78.0



#10

Heptane

Concen: 8.977 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VL042731.D

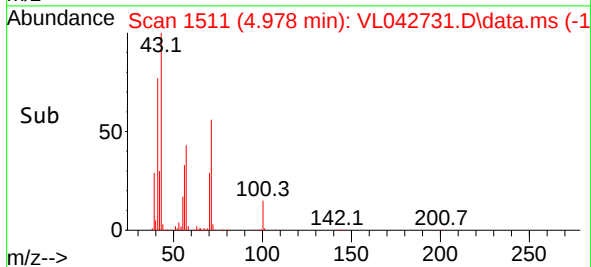
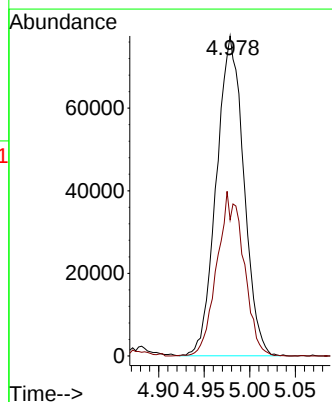
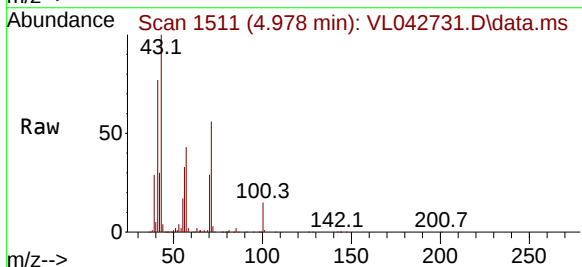
Acq: 22 Jul 2025 15:06

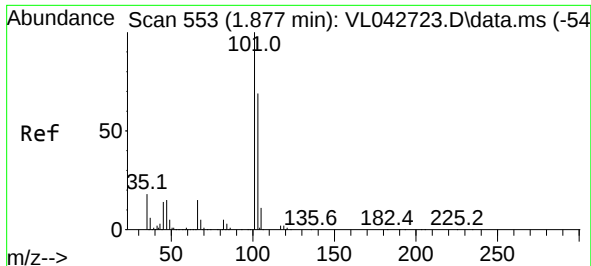
Tgt Ion: 43 Resp: 161440

Ion Ratio Lower Upper

43 100

57 50.5 39.1 58.7





#11

Trichlorofluoromethane

Concen: 8.911 ppbv

RT: 1.878 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

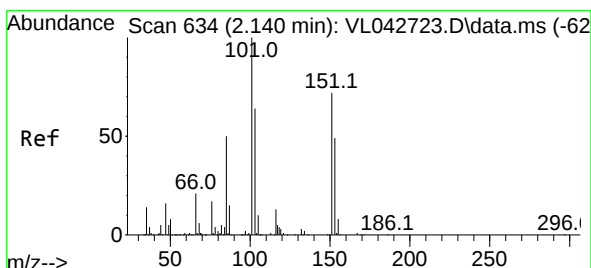
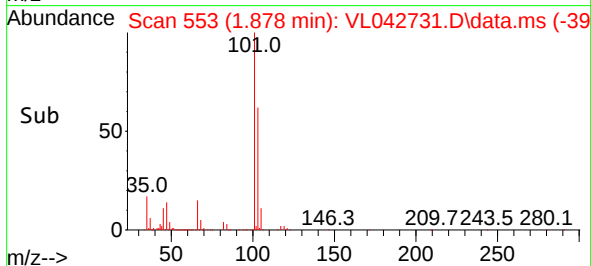
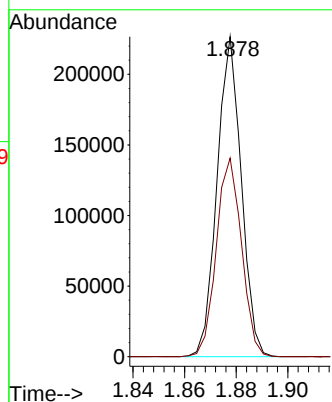
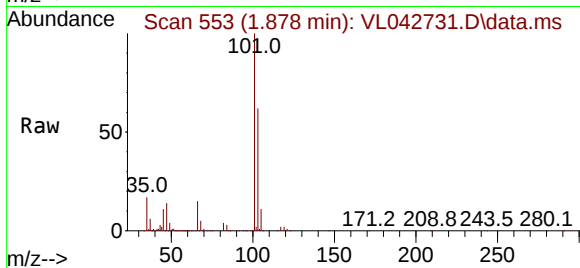
ClientSampleId :

Tgt Ion:101 Resp: 147785

Ion Ratio Lower Upper

101 100

103 62.1 55.2 82.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.671 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.000 min

Lab File: VL042731.D

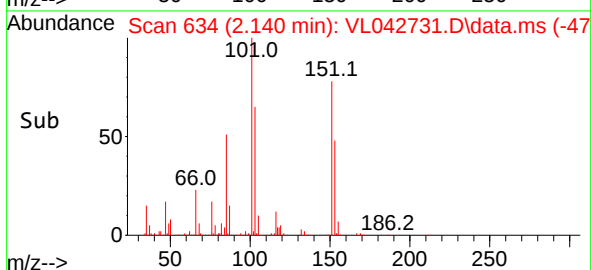
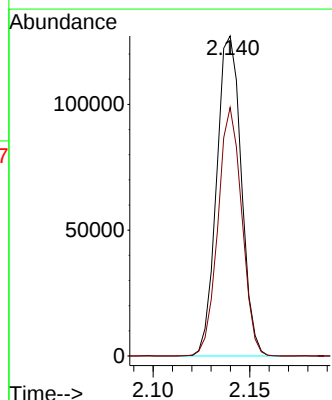
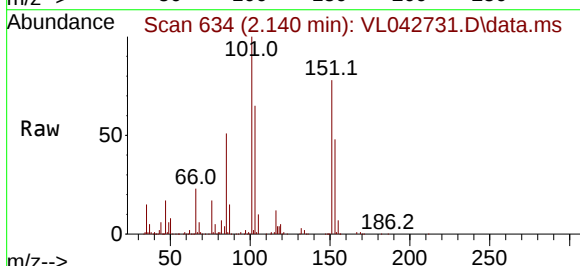
Acq: 22 Jul 2025 15:06

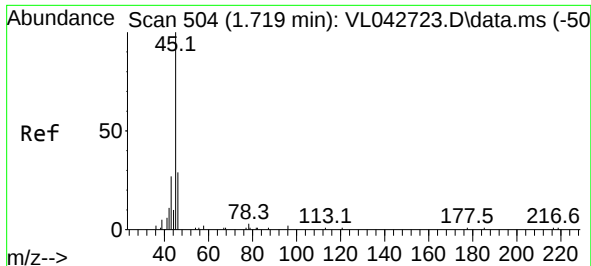
Tgt Ion:101 Resp: 112524

Ion Ratio Lower Upper

101 100

151 75.1 59.1 88.7

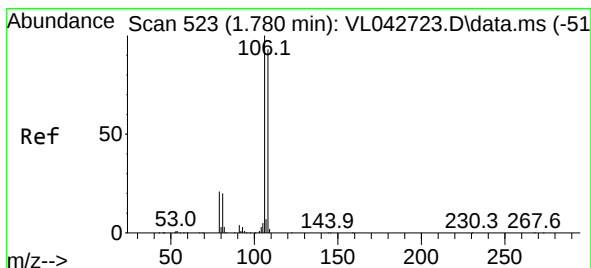
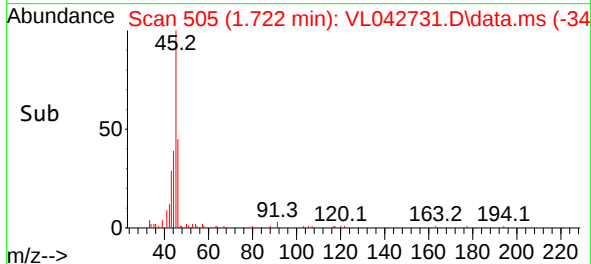
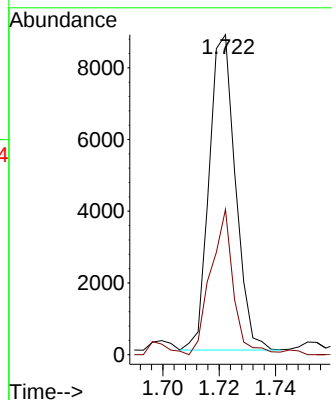
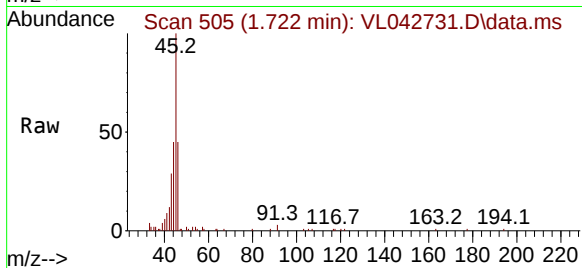




#13
Ethanol
Concen: 5.245 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

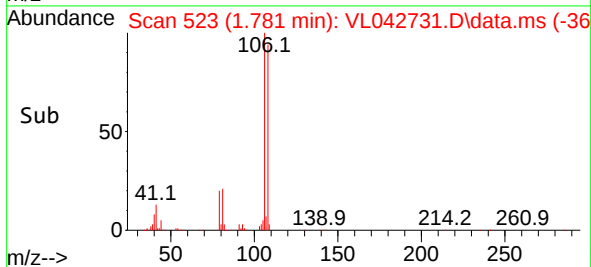
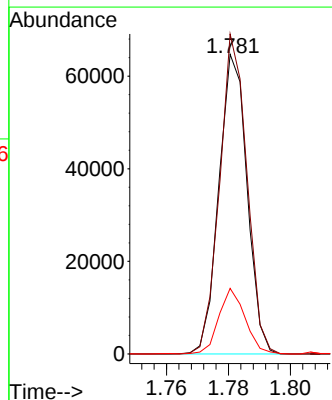
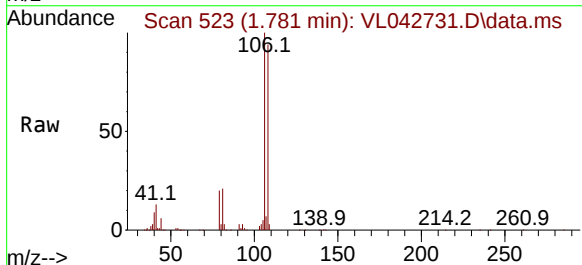
Instrument :
MSVOA_L
ClientSampleId :

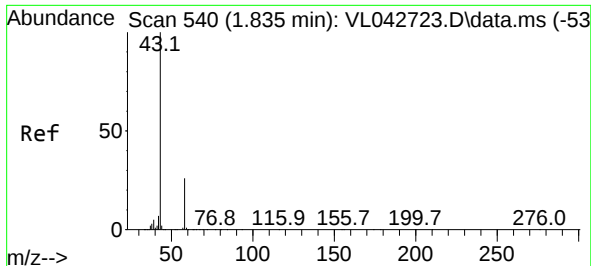
Tgt Ion: 45 Resp: 5706
Ion Ratio Lower Upper
45 100
46 43.8 16.3 65.1



#14
Bromoethene
Concen: 8.844 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion:108 Resp: 40918
Ion Ratio Lower Upper
108 100
106 103.4 85.4 128.0
79 21.0 17.4 26.2

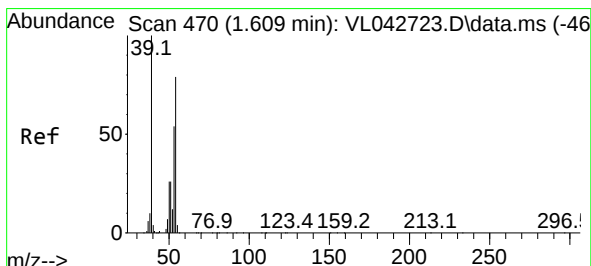
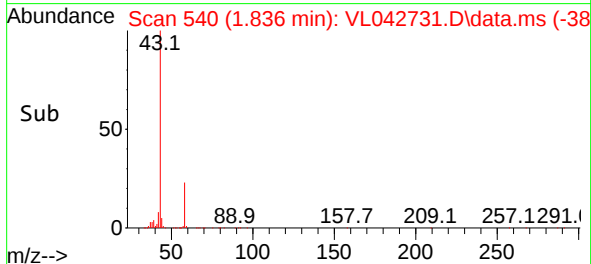
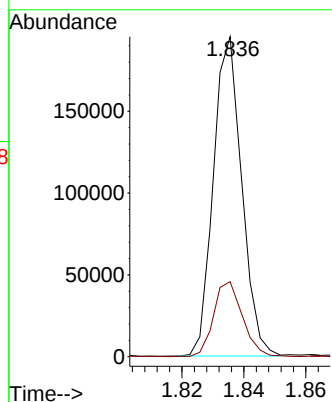
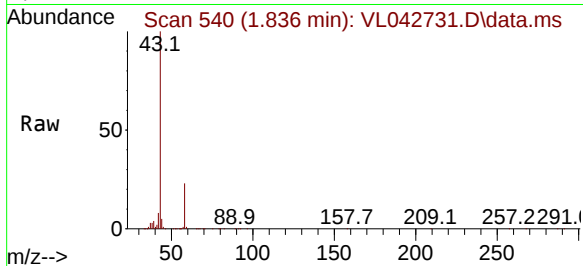




#15
Acetone
Concen: 7.173 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

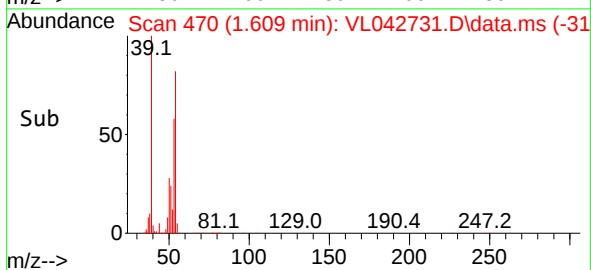
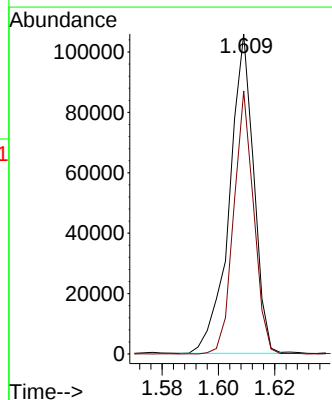
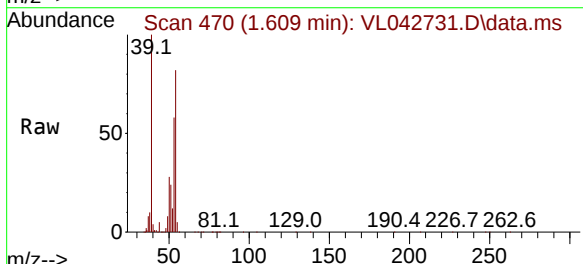
Instrument :
MSVOA_L
ClientSampleId :

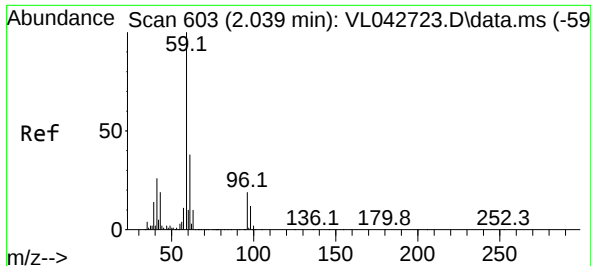
Tgt Ion: 43 Resp: 123985
Ion Ratio Lower Upper
43 100
58 24.2 20.5 30.7



#16
1,3-Butadiene
Concen: 8.577 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 39 Resp: 63491
Ion Ratio Lower Upper
39 100
54 67.7 54.6 82.0





#17

tert-Butyl alcohol

Concen: 8.633 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

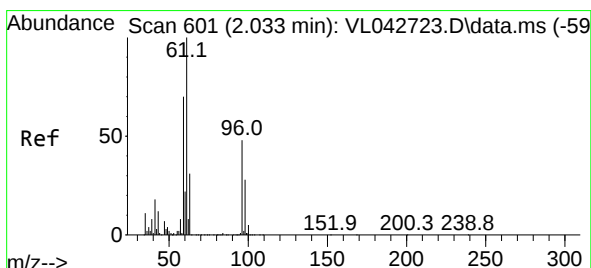
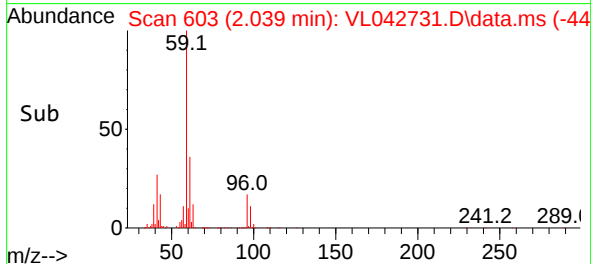
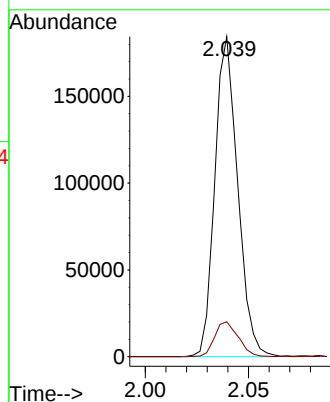
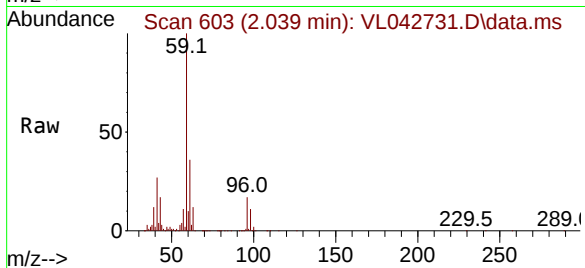
ClientSampleId :

Tgt Ion: 59 Resp: 141688

Ion Ratio Lower Upper

59 100

57 11.4 9.1 13.7



#18

1,1-Dichloroethene

Concen: 8.966 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

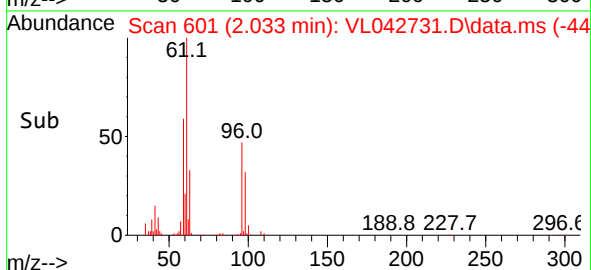
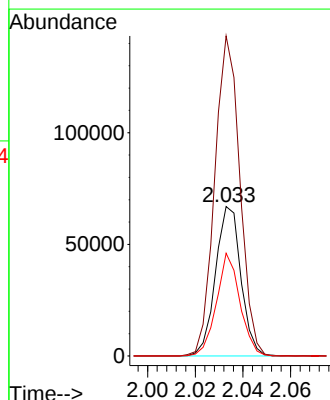
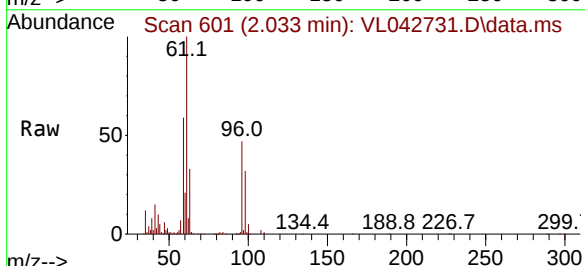
Tgt Ion: 96 Resp: 49477

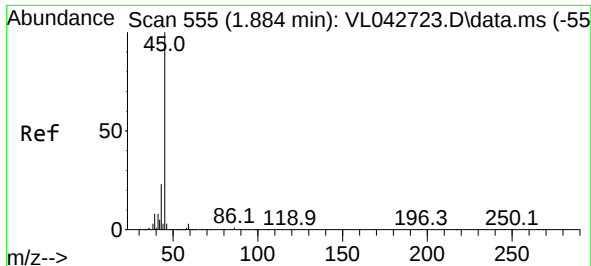
Ion Ratio Lower Upper

96 100

61 214.0 166.2 249.4

98 68.7 46.1 69.1

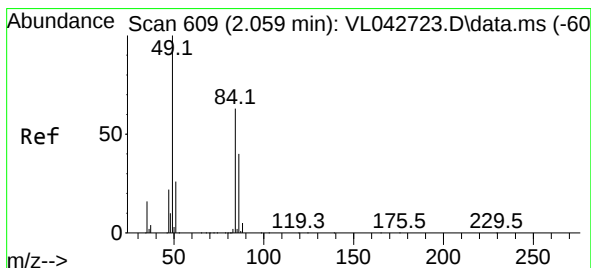
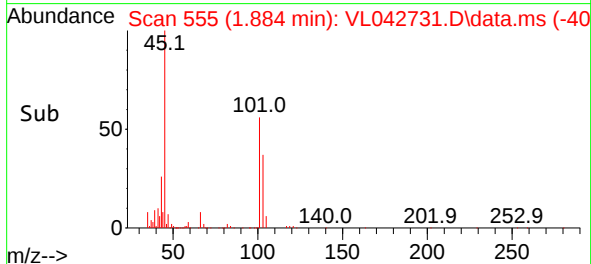
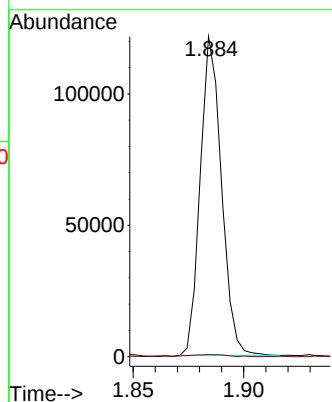
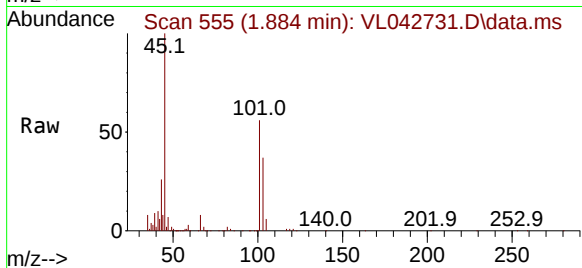




#19
Isopropyl Alcohol
Concen: 8.828 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

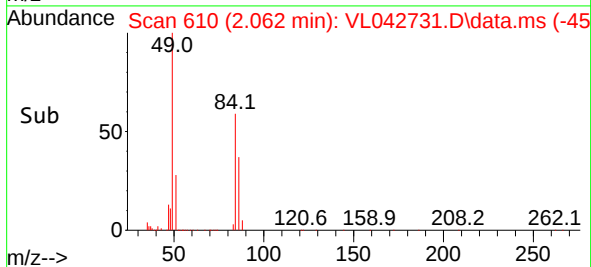
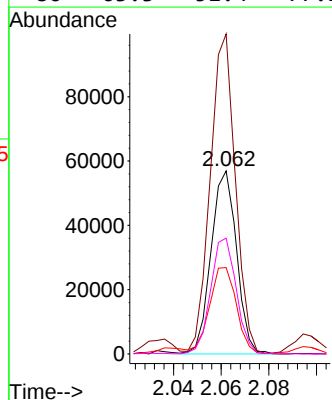
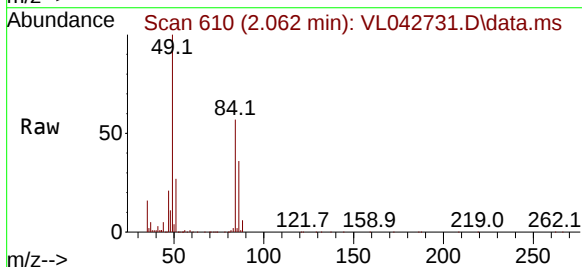
Instrument :
MSVOA_L
ClientSampleId :

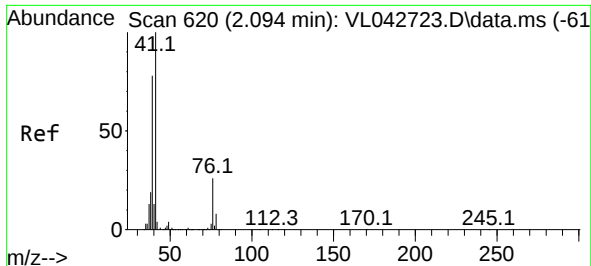
Tgt Ion: 45 Resp: 80872
Ion Ratio Lower Upper
45 100
58 37.1 30.6 46.0



#20
Methylene Chloride
Concen: 7.798 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 84 Resp: 42368
Ion Ratio Lower Upper
84 100
49 173.8 128.2 192.4
51 46.5 34.5 51.7
86 63.3 51.4 77.2

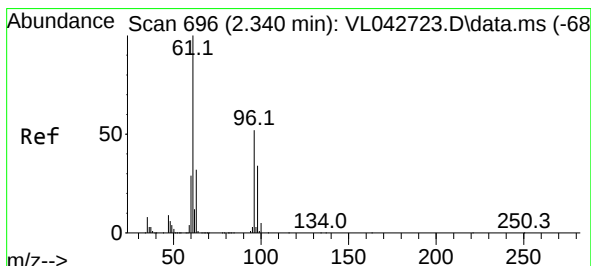
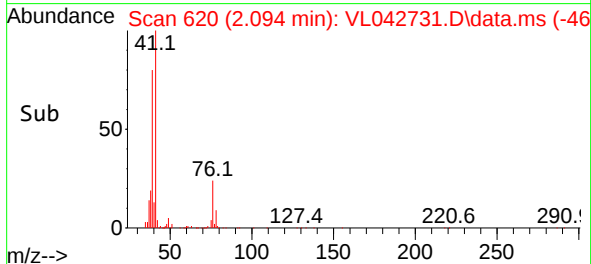
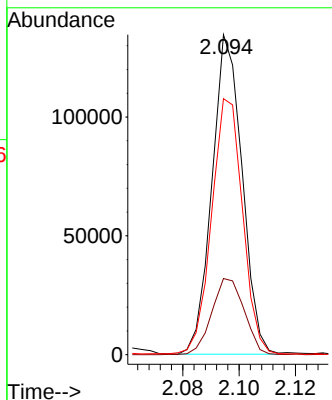
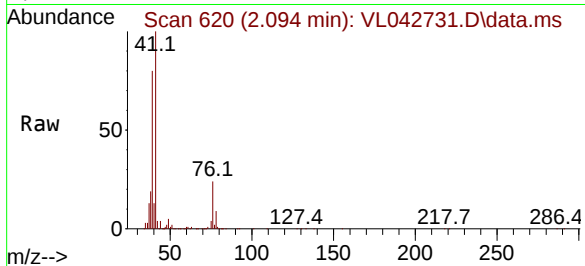




#21
 Allyl Chloride
 Concen: 9.011 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

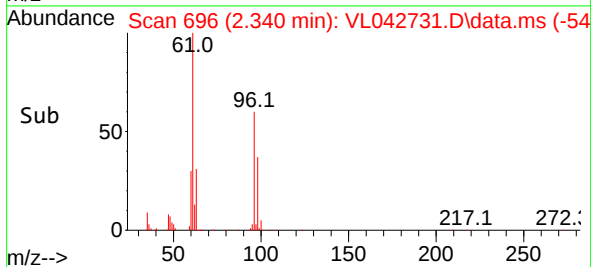
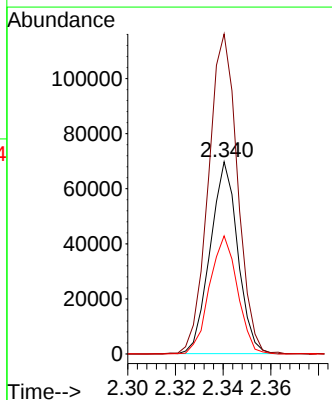
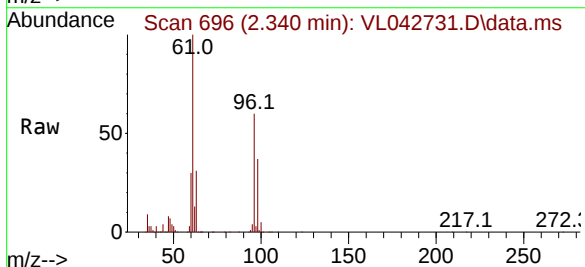
Instrument :
 MSVOA_L
 ClientSampleId :

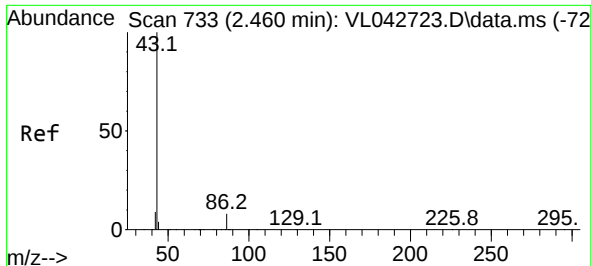
Tgt Ion: 41 Resp: 99845
 Ion Ratio Lower Upper
 41 100
 76 25.8 22.1 33.1
 39 81.9 64.7 97.1



#22
 trans-1,2-Dichloroethene
 Concen: 8.826 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 96 Resp: 55870
 Ion Ratio Lower Upper
 96 100
 61 166.3 154.6 232.0
 98 61.5 53.1 79.7



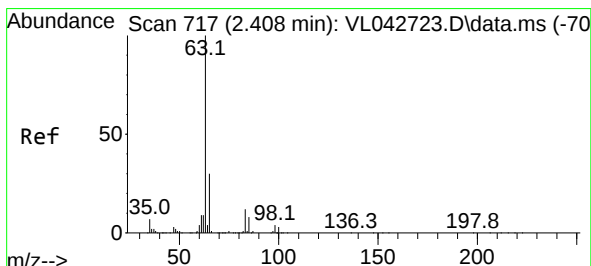
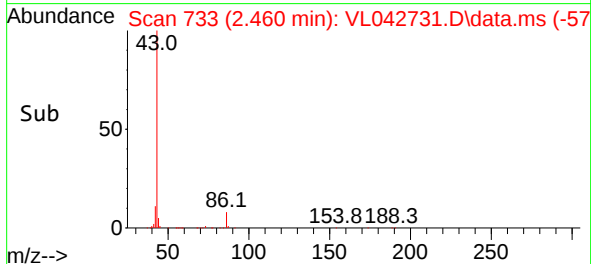
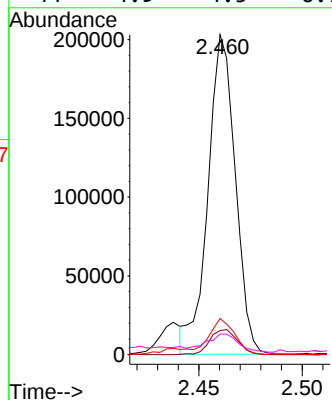
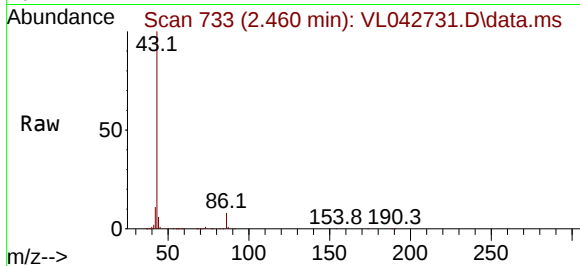


#23
 Vinyl Acetate
 Concen: 9.479 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Instrument :
 MSVOA_1
 ClientSampleId :

Tgt Ion: 43 Resp: 186778

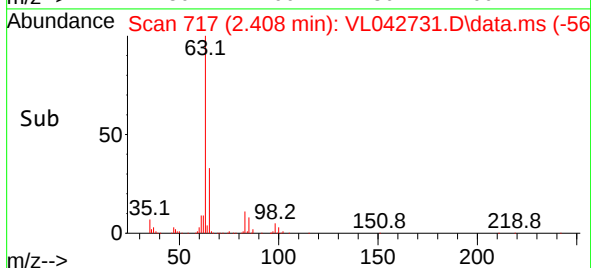
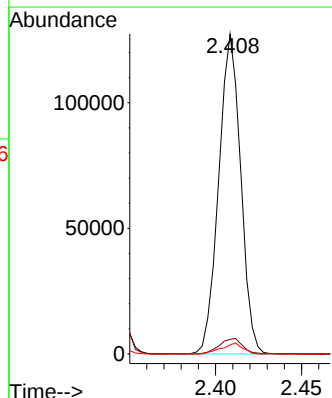
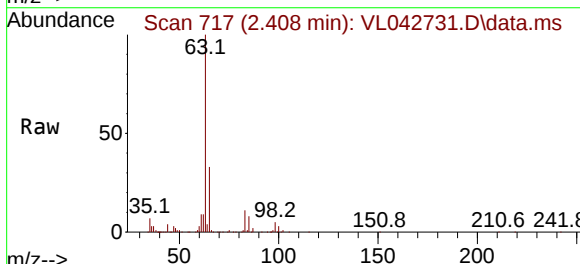
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.7	8.5
42	11.1	7.9	11.9
44	4.9	4.5	6.7

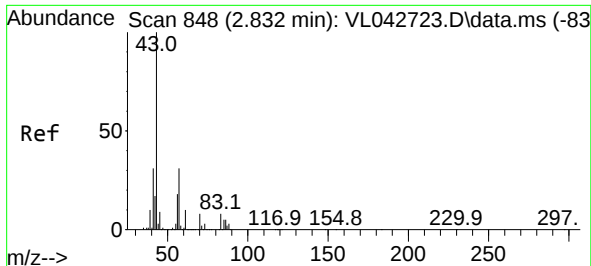


#24
 1,1-Dichloroethane
 Concen: 8.938 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 63 Resp: 113158

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.0	5.8
100	2.8	1.6	4.7

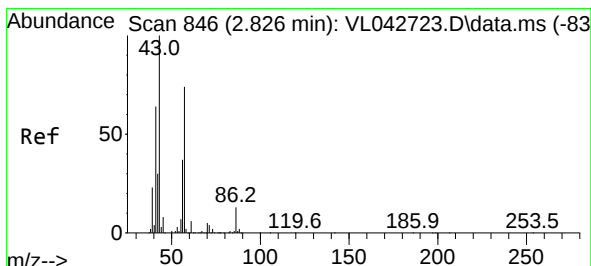
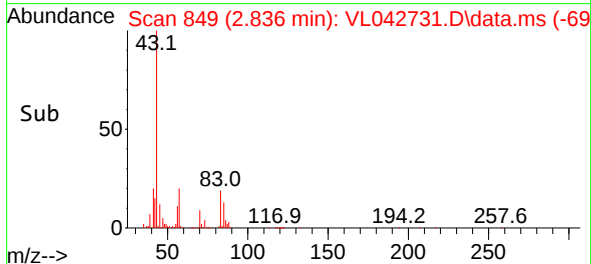
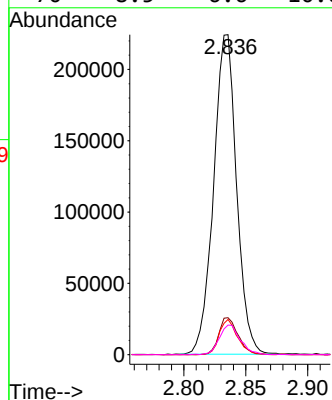
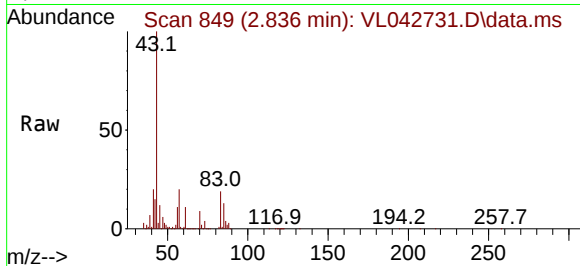




#25
Ethyl Acetate
Concen: 9.094 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

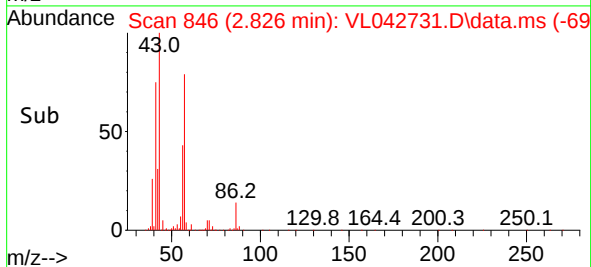
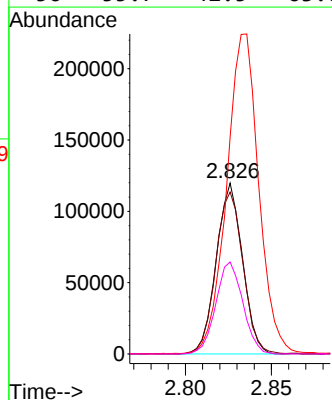
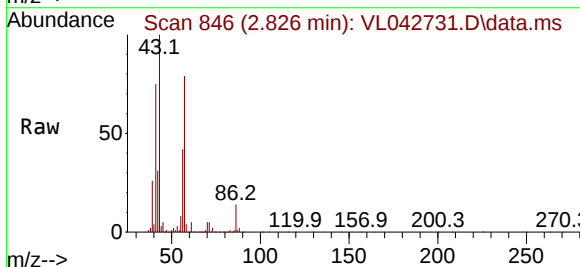
Instrument :
MSVOA_L
ClientSampleId :

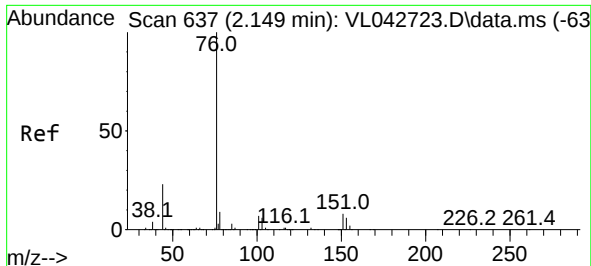
Tgt Ion: 43 Resp: 290054
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.6
61 8.9 7.0 10.6
70 8.5 6.6 10.0



#26
Hexane
Concen: 9.045 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 57 Resp: 126560
Ion Ratio Lower Upper
57 100
41 99.5 77.3 115.9
43 230.6 182.3 273.5
56 55.7 42.5 63.7

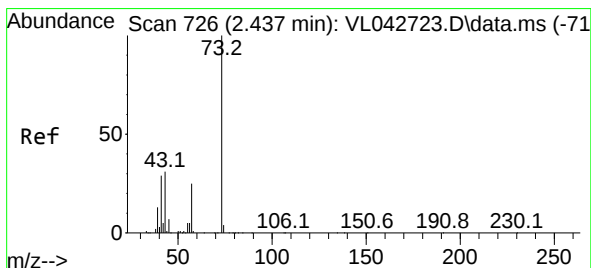
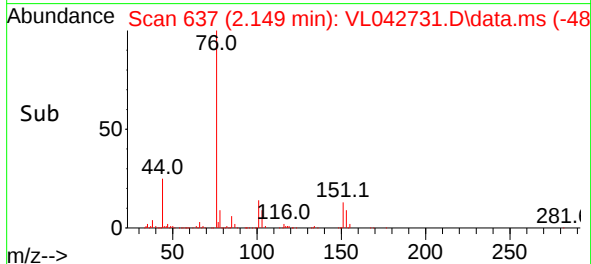
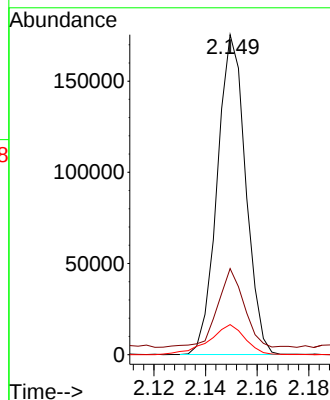
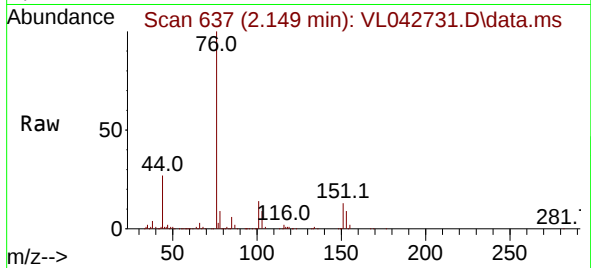




#27
Carbon Disulfide
Concen: 8.956 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

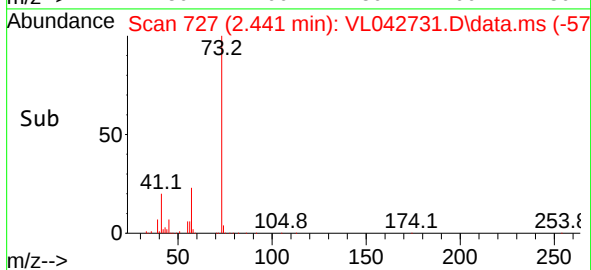
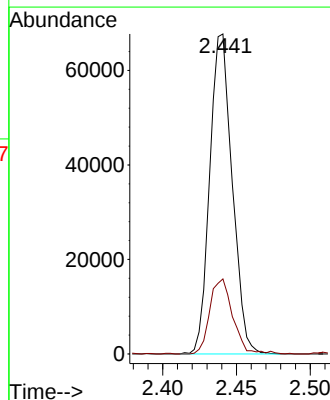
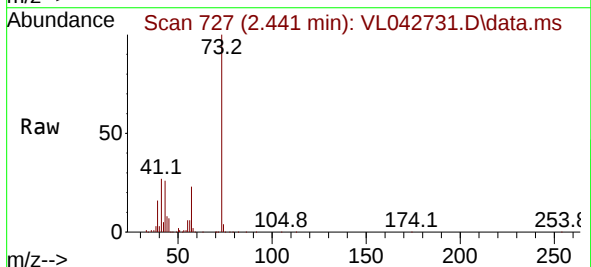
Instrument :
MSVOA_L
ClientSampleId :

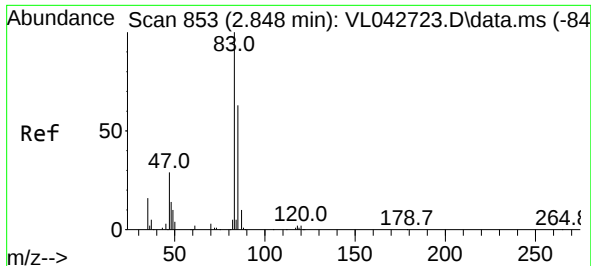
Tgt Ion: 76 Resp: 133849
Ion Ratio Lower Upper
76 100
44 23.4 18.8 28.2
78 12.0 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 8.817 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 73 Resp: 71716
Ion Ratio Lower Upper
73 100
57 24.0 19.8 29.8





#29

Chloroform

Concen: 9.085 ppbv

RT: 2.849 min Scan# 8

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

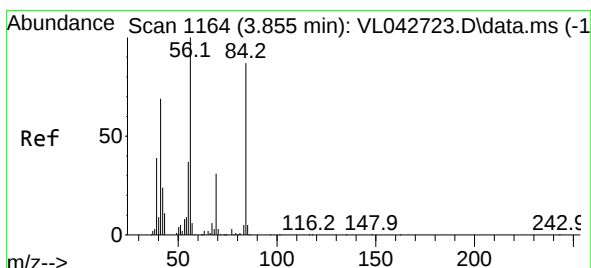
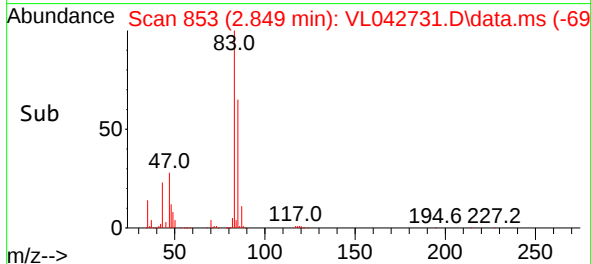
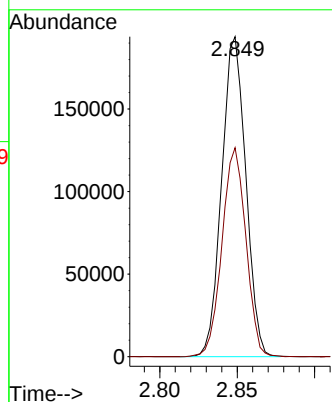
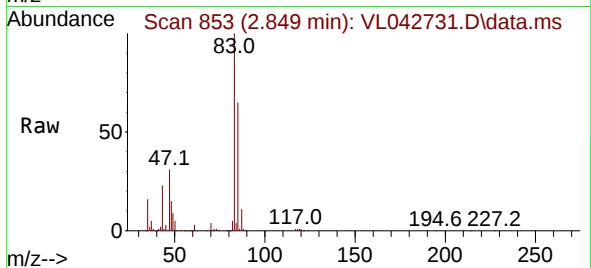
ClientSampleId :

Tgt Ion: 83 Resp: 209913

Ion Ratio Lower Upper

83 100

85 65.3 50.9 76.3



#30

Cyclohexane

Concen: 9.245 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

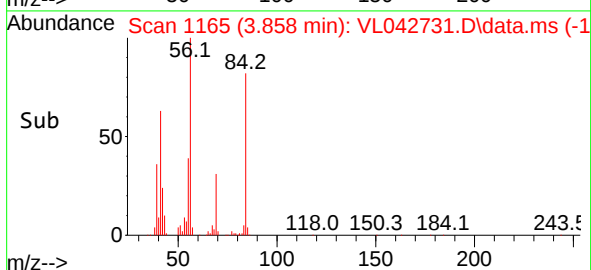
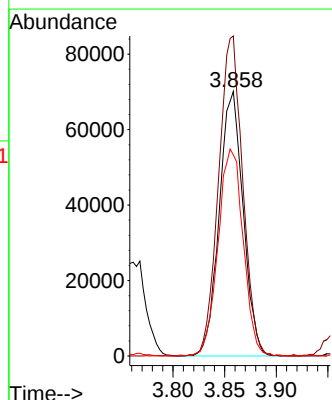
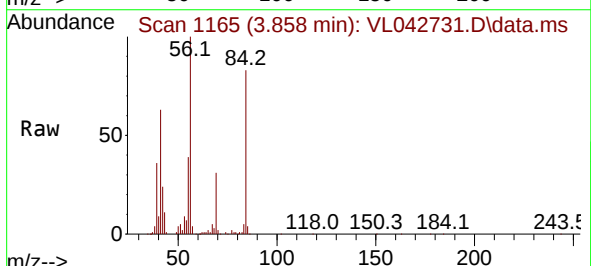
Tgt Ion: 84 Resp: 112878

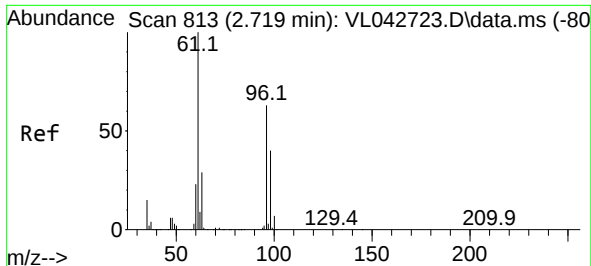
Ion Ratio Lower Upper

84 100

56 122.1 94.2 141.4

41 82.4 66.4 99.6

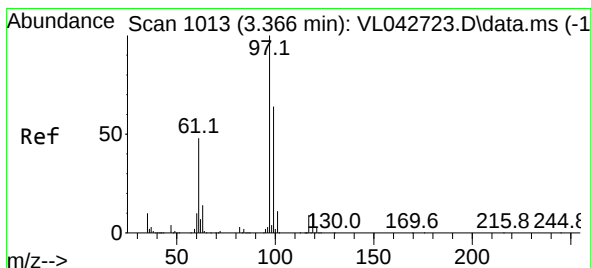
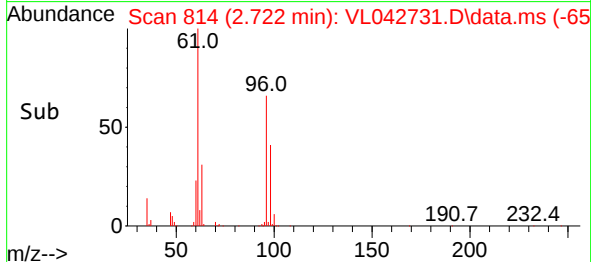
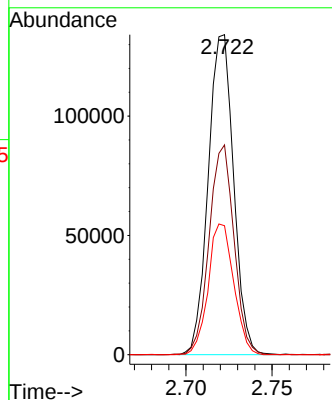
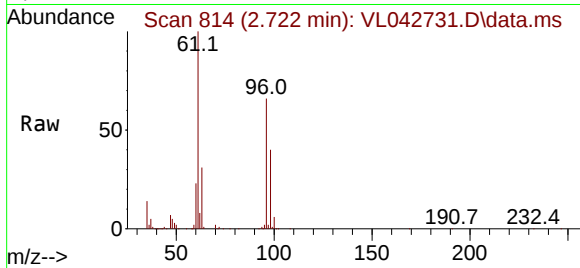




#31
 cis-1,2-Dichloroethene
 Concen: 9.153 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

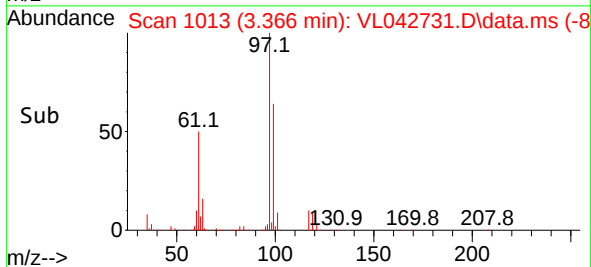
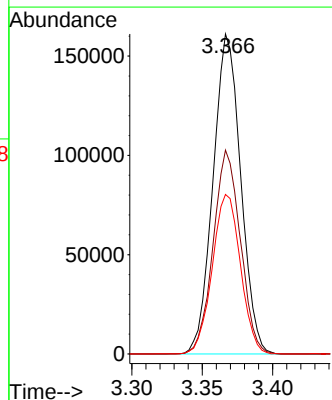
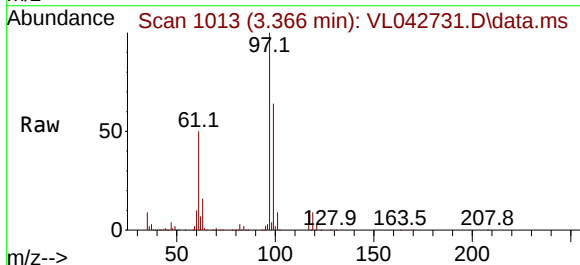
Instrument :
 MSVOA_L
 ClientSampleId :

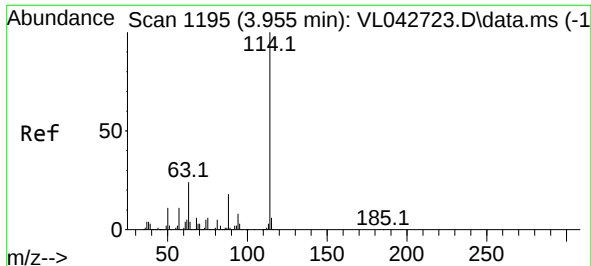
Tgt Ion: 61 Resp: 137905
 Ion Ratio Lower Upper
 61 100
 96 65.5 50.6 75.8
 98 40.3 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 9.073 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 97 Resp: 220748
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.4 77.0
 61 50.8 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

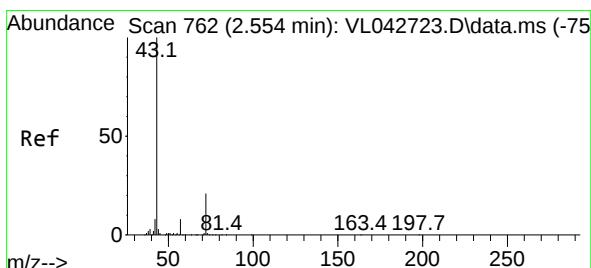
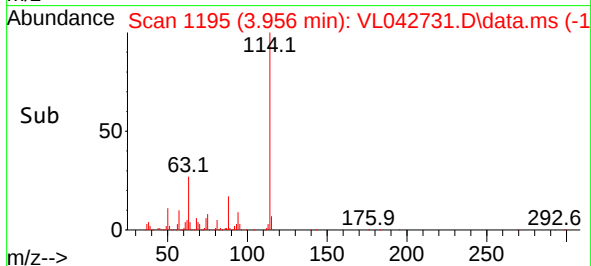
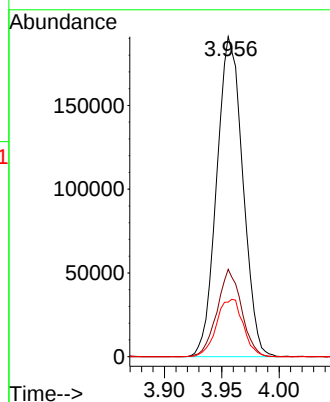
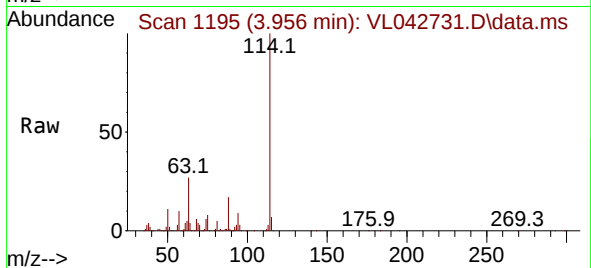
Tgt Ion:114 Resp: 302238

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 9.349 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042731.D

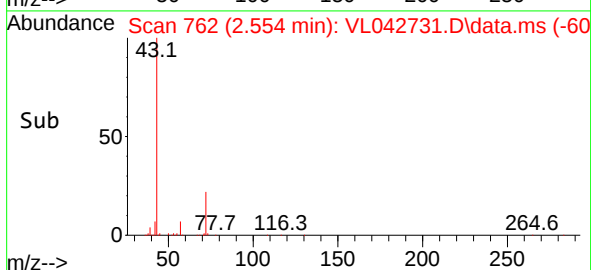
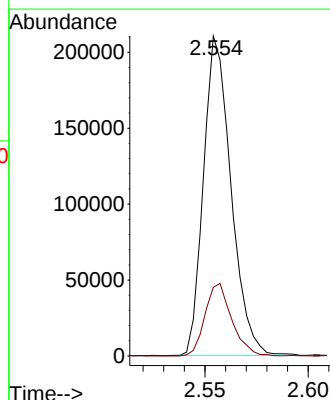
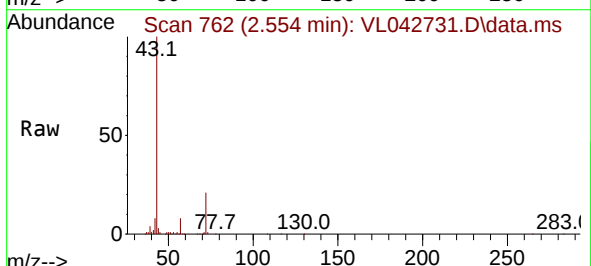
Acq: 22 Jul 2025 15:06

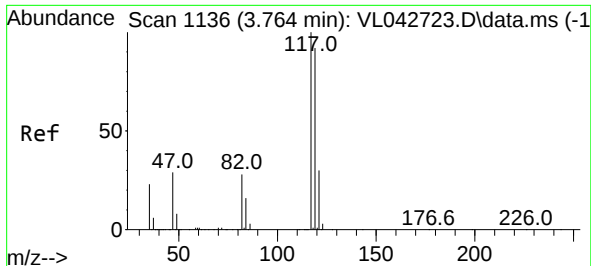
Tgt Ion: 43 Resp: 194585

Ion Ratio Lower Upper

43 100

72 22.2 17.0 25.6

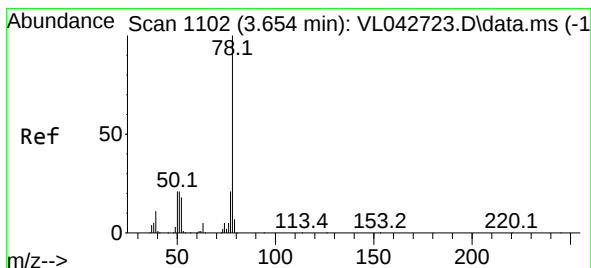
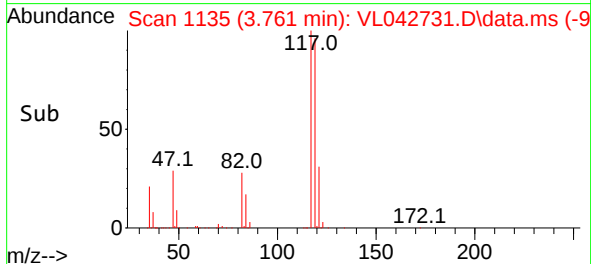
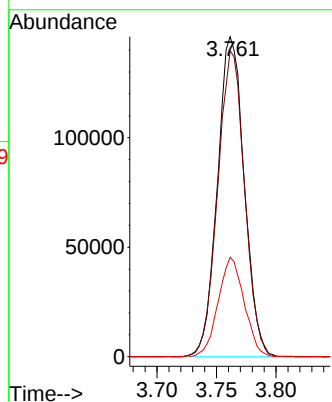
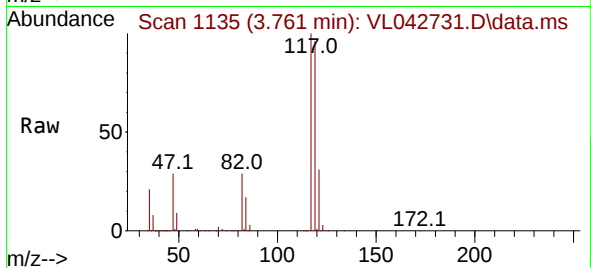




#35
Carbon Tetrachloride
Concen: 9.202 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

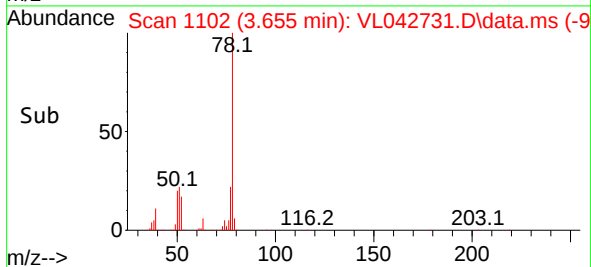
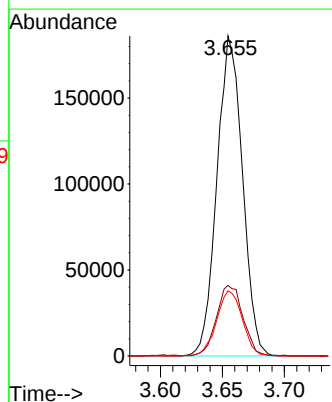
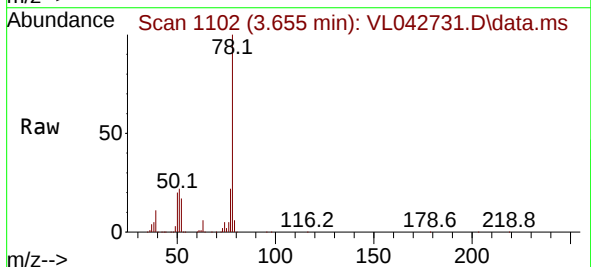
Instrument :
MSVOA_L
ClientSampleId :

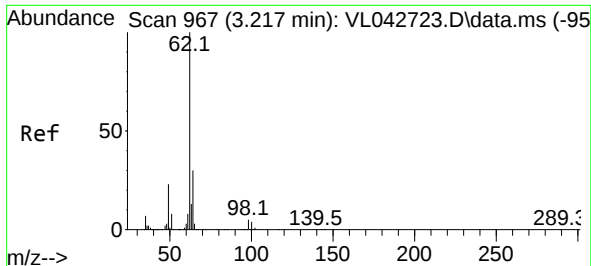
Tgt Ion:117 Resp: 227881
Ion Ratio Lower Upper
117 100
119 95.6 73.7 110.5
121 31.0 23.8 35.8



#36
Benzene
Concen: 9.524 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 78 Resp: 267416
Ion Ratio Lower Upper
78 100
77 22.0 17.0 25.4
50 20.3 16.9 25.3





#37

1,2-Dichloroethane

Concen: 9.701 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

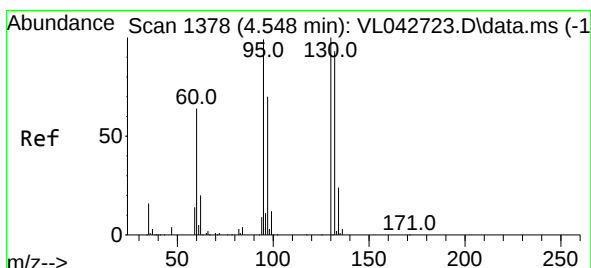
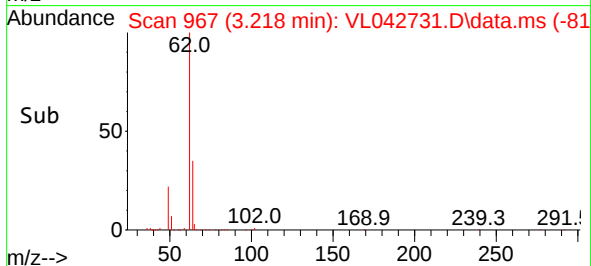
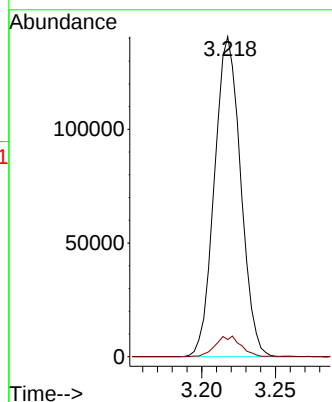
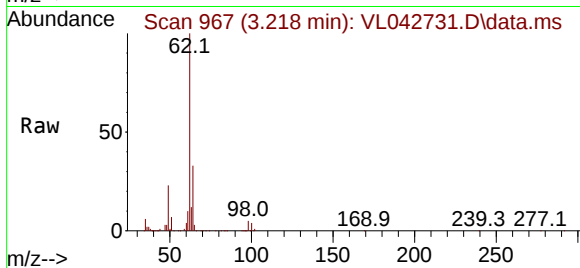
ClientSampleId :

Tgt Ion: 62 Resp: 173758

Ion Ratio Lower Upper

62 100

98 6.3 4.8 7.2



#38

Trichloroethene

Concen: 8.904 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion:130 Resp: 121878

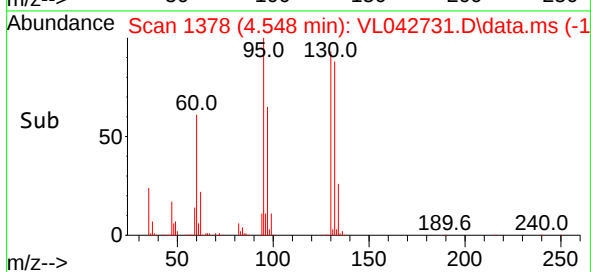
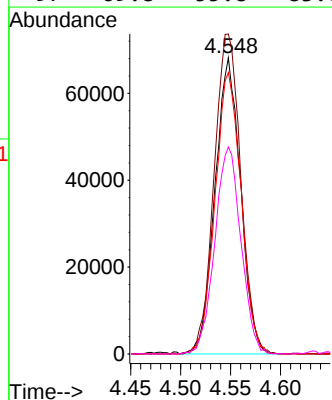
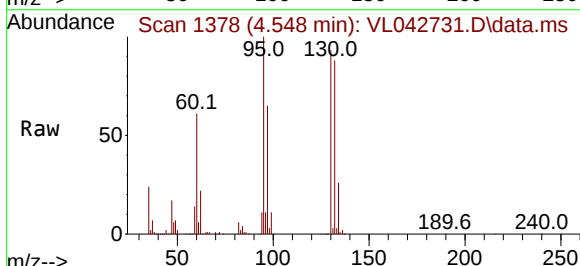
Ion Ratio Lower Upper

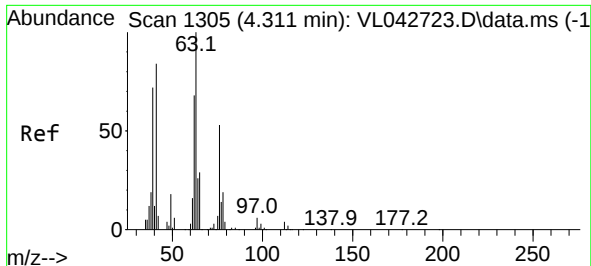
130 100

95 108.0 79.2 118.8

132 94.9 74.1 111.1

97 69.8 55.8 83.6





#39

1,2-Dichloropropane

Concen: 9.178 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

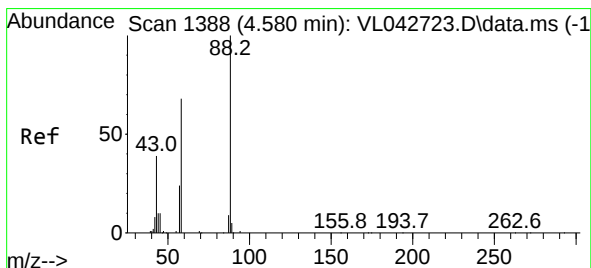
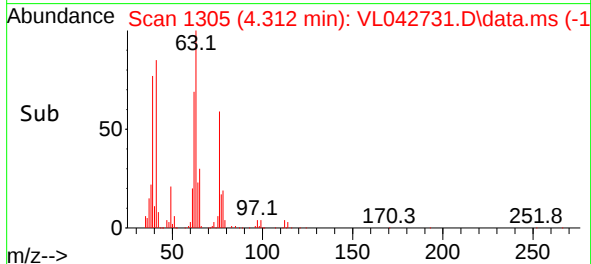
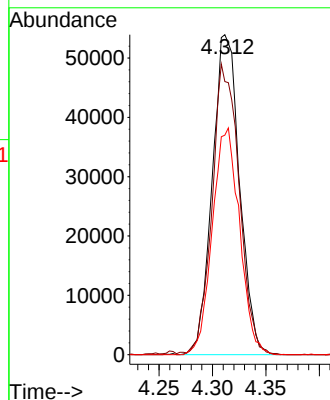
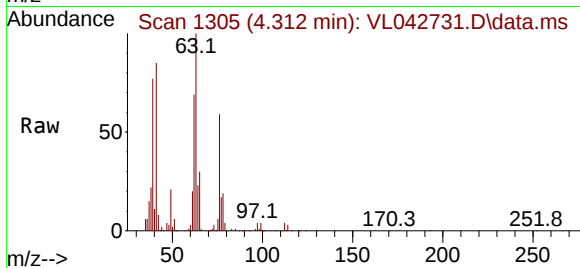
Tgt Ion: 63 Resp: 95953

Ion Ratio Lower Upper

63 100

41 85.2 67.7 101.5

62 68.6 54.1 81.1



#40

1,4-Dioxane

Concen: 8.895 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion: 88 Resp: 44298

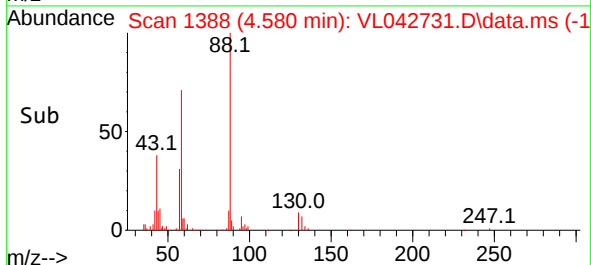
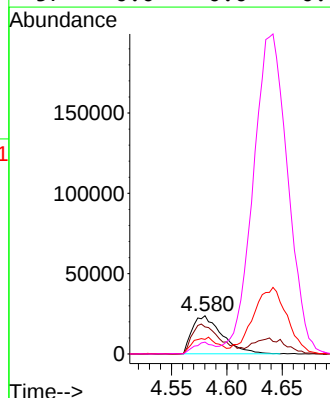
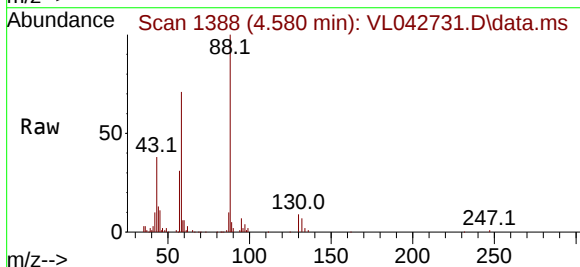
Ion Ratio Lower Upper

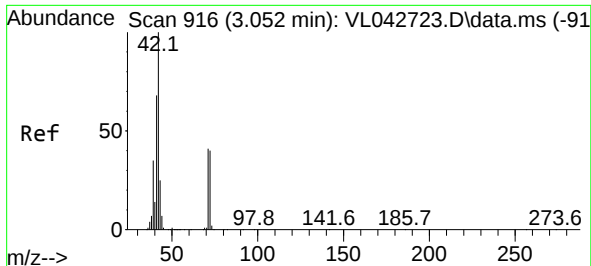
88 100

58 75.2 59.8 89.8

43 35.1 32.6 48.8

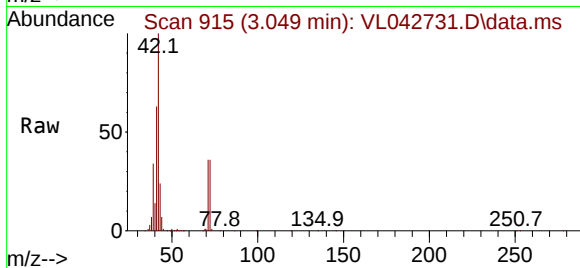
57 0.0 0.0 0.0



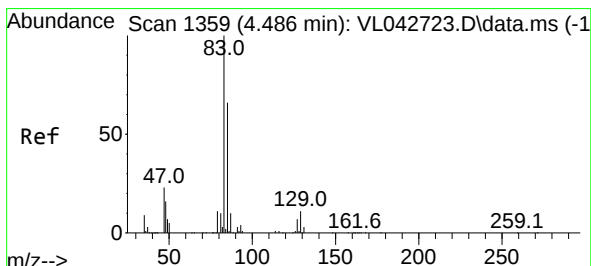
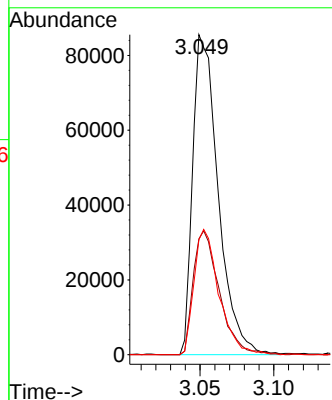
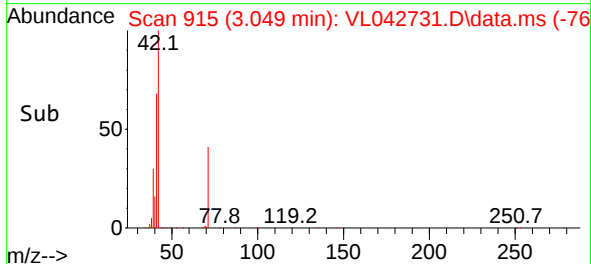


#41
Tetrahydrofuran
Concen: 9.797 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

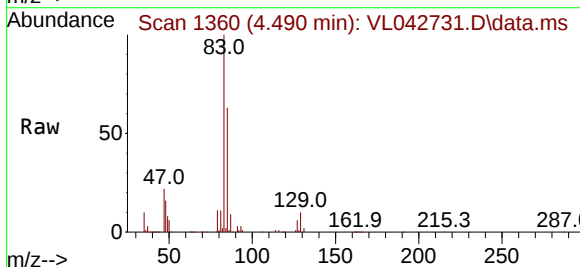
Instrument :
MSVOA_L
ClientSampleId :



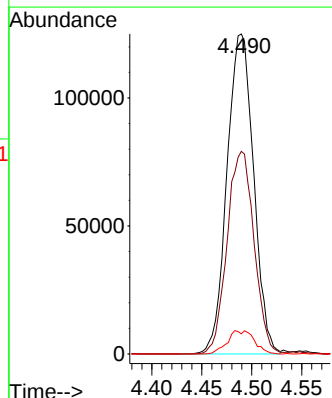
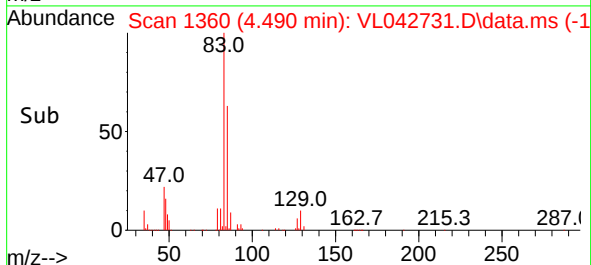
Tgt Ion: 42 Resp: 102809
Ion Ratio Lower Upper
42 100
72 39.7 32.2 48.2
71 38.6 29.8 44.6

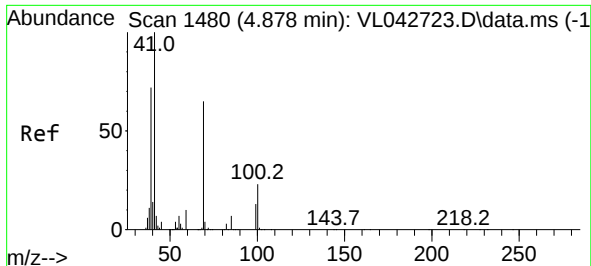


#42
Bromodichloromethane
Concen: 9.879 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06



Tgt Ion: 83 Resp: 231463
Ion Ratio Lower Upper
83 100
85 63.3 52.6 78.8
127 6.3 6.0 9.0

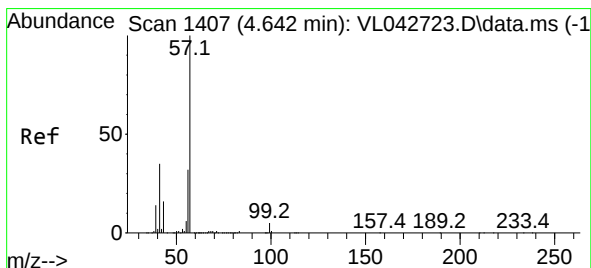
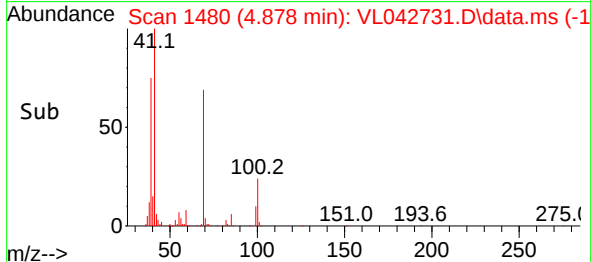
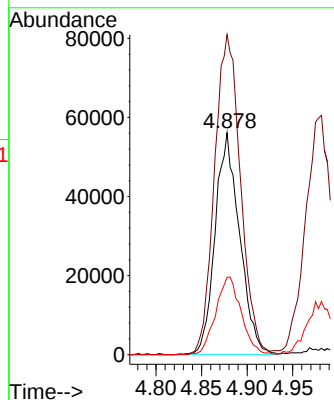
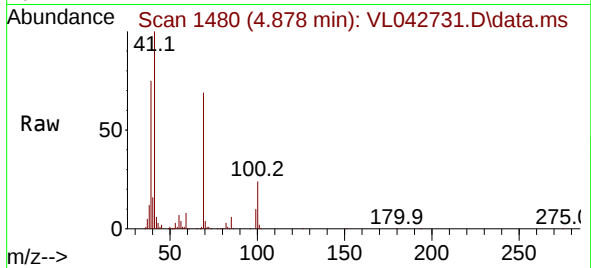




#43
Methyl Methacrylate
Concen: 9.663 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

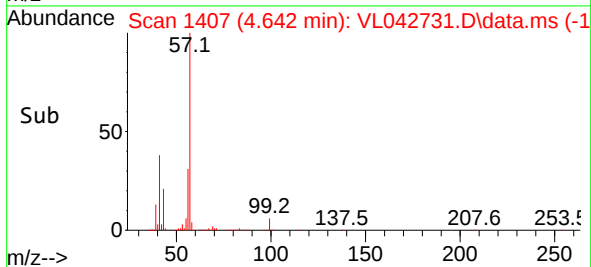
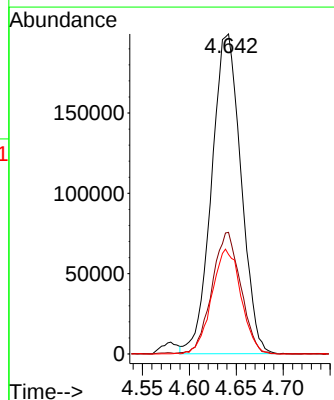
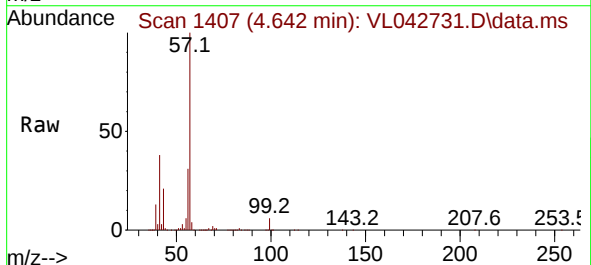
Instrument :
MSVOA_L
ClientSampleId :

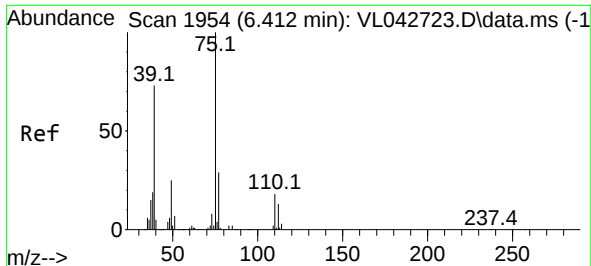
Tgt Ion: 69 Resp: 104231
Ion Ratio Lower Upper
69 100
41 153.9 125.8 188.6
100 36.8 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 9.411 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 57 Resp: 433727
Ion Ratio Lower Upper
57 100
41 37.5 29.4 44.0
56 32.7 26.1 39.1

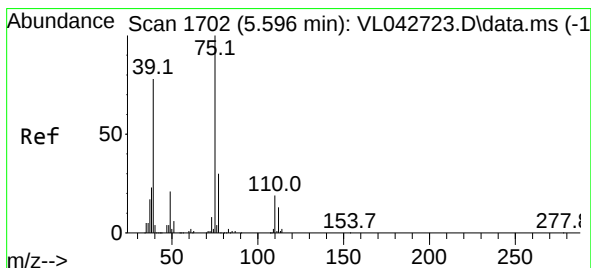
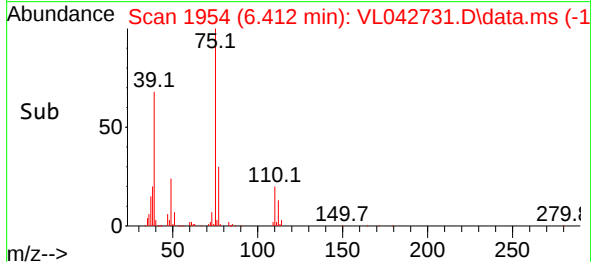
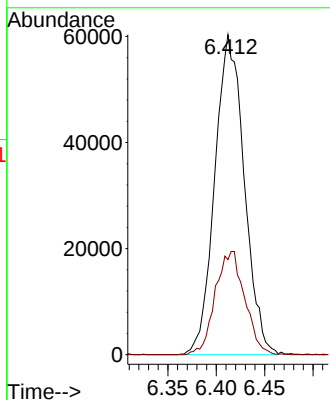
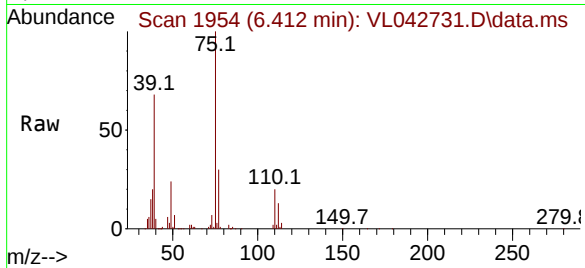




#45
 t-1,3-Dichloropropene
 Concen: 9.641 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

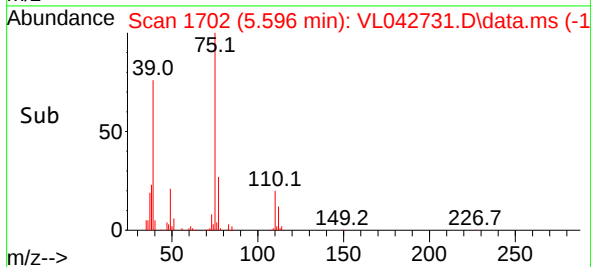
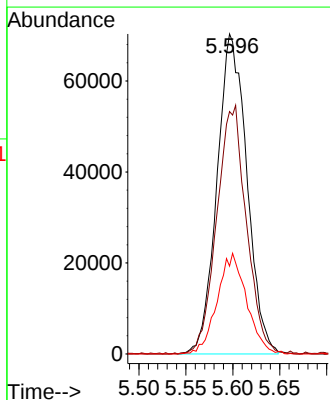
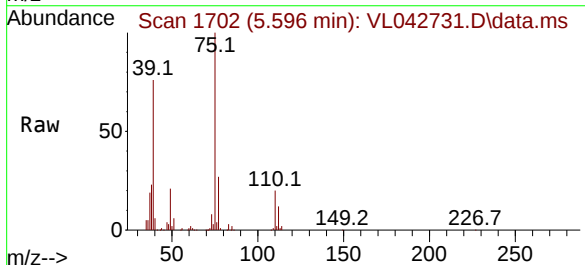
Instrument :
 MSVOA_L
 ClientSampleId :

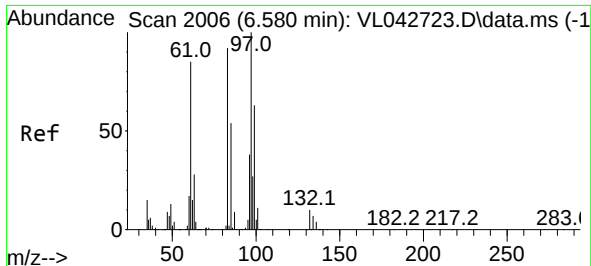
Tgt Ion: 75 Resp: 127678
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.0 34.6



#46
 cis-1,3-Dichloropropene
 Concen: 9.842 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 75 Resp: 155049
 Ion Ratio Lower Upper
 75 100
 39 75.8 62.1 93.1
 77 27.4 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 9.079 ppbv

RT: 6.587 min Scan# 2006

Delta R.T. 0.007 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 104049

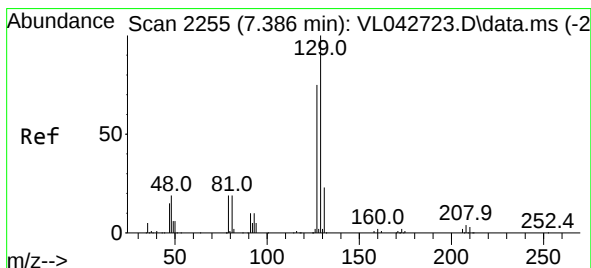
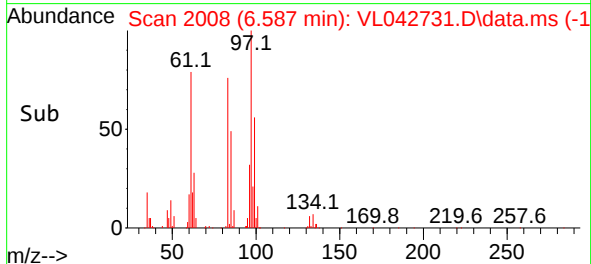
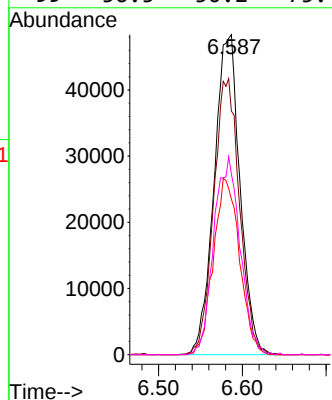
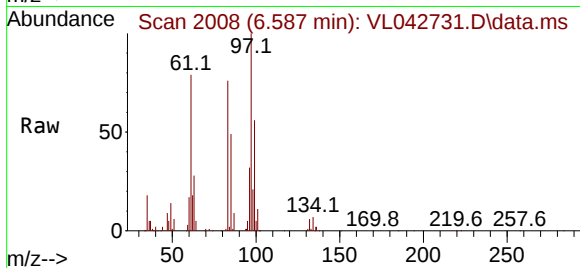
Ion Ratio Lower Upper

97 100

83 76.1 73.2 109.8

85 48.6 42.7 64.1

99 56.5 50.2 75.4



#48

Dibromochloromethane

Concen: 9.788 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VL042731.D

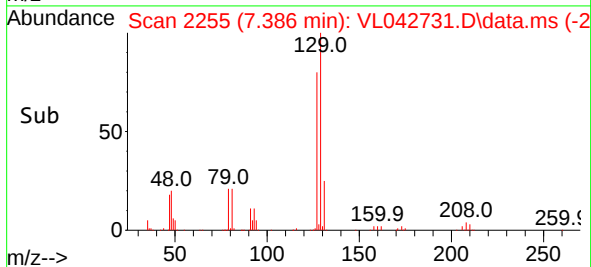
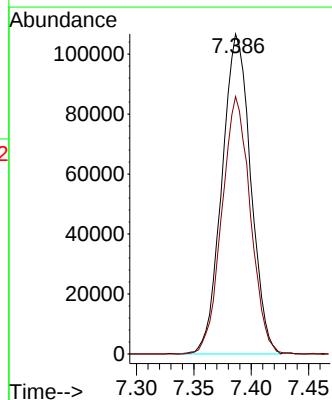
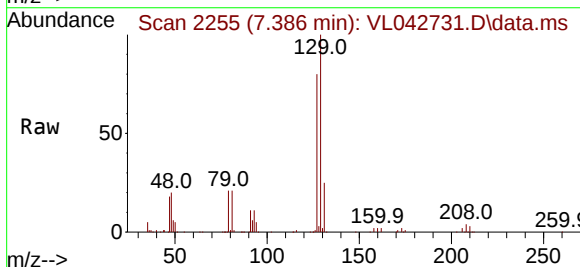
Acq: 22 Jul 2025 15:06

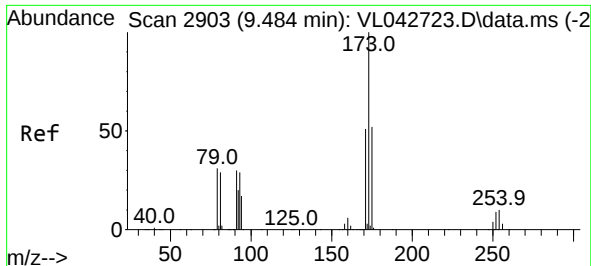
Tgt Ion: 129 Resp: 186331

Ion Ratio Lower Upper

129 100

127 79.6 39.1 117.3





#49

Bromoform

Concen: 9.950 ppbv

RT: 9.484 min Scan# 2903

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

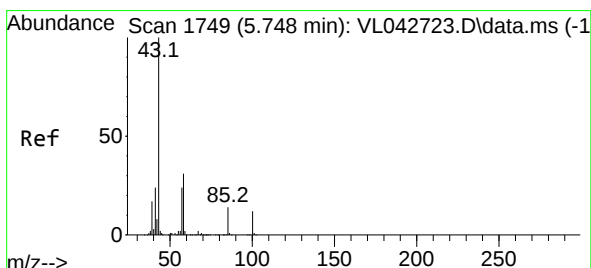
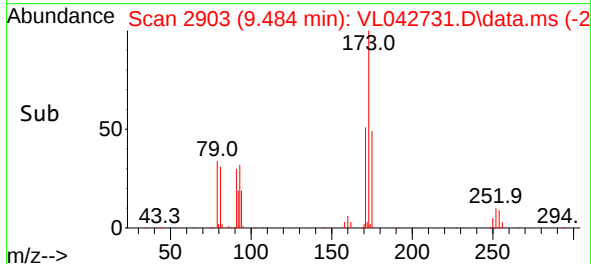
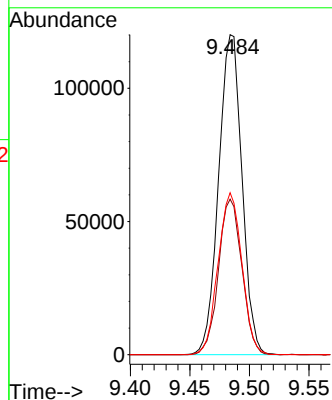
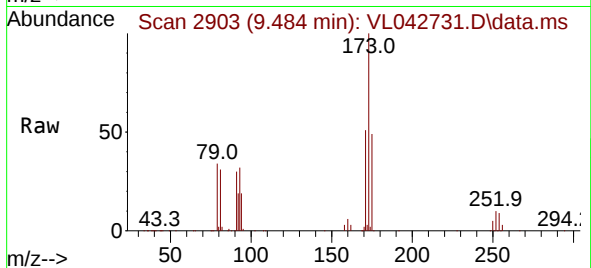
Tgt Ion:173 Resp: 163543

Ion Ratio Lower Upper

173 100

175 48.7 38.9 58.3

171 51.6 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 4.832 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VL042731.D

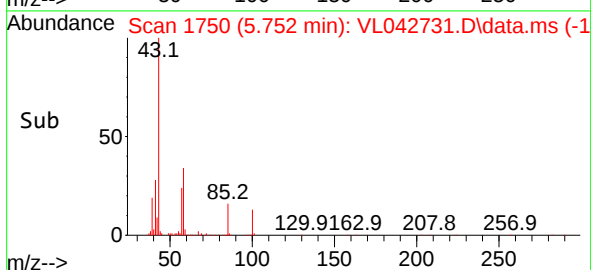
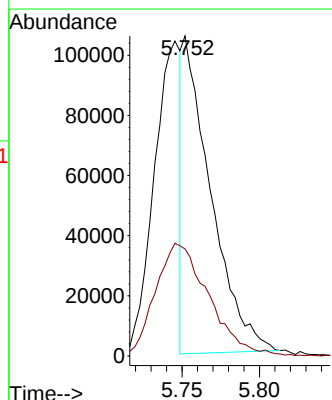
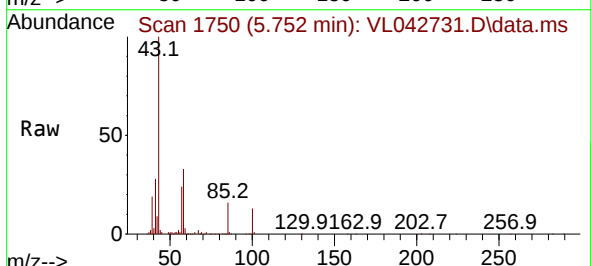
Acq: 22 Jul 2025 15:06

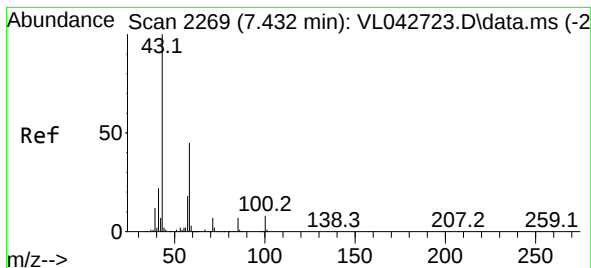
Tgt Ion: 43 Resp: 131788

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#





#51

2-Hexanone

Concen: 9.809 ppbv

RT: 7.432 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

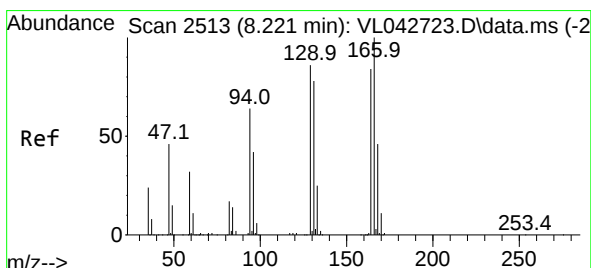
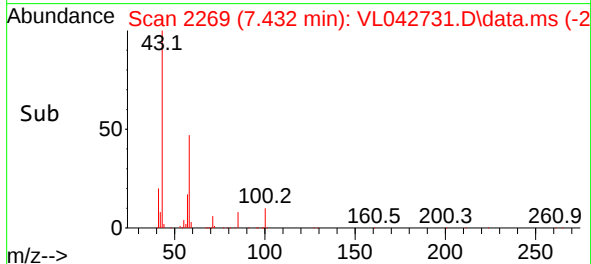
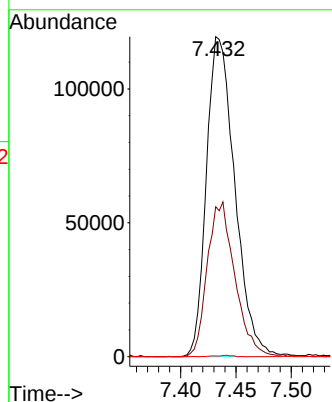
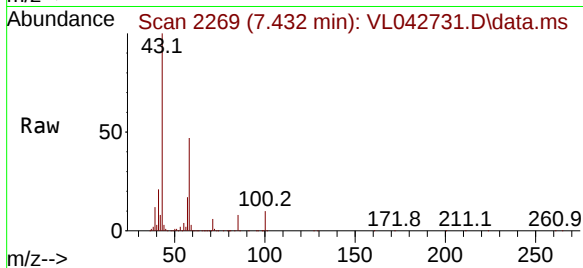
Tgt Ion: 43 Resp: 213373

Ion Ratio Lower Upper

43 100

58 47.2 37.9 56.9

98 0.3 0.2 0.2#



#52

Tetrachloroethene

Concen: 9.047 ppbv

RT: 8.228 min Scan# 2515

Delta R.T. 0.007 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion:164 Resp: 102369

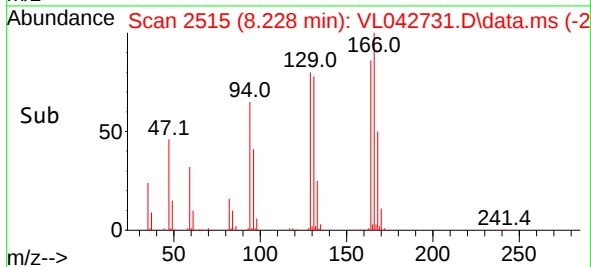
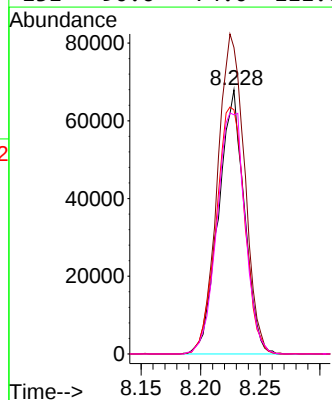
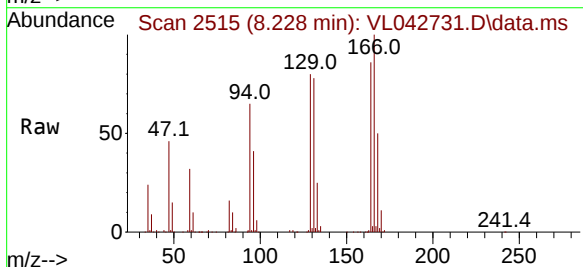
Ion Ratio Lower Upper

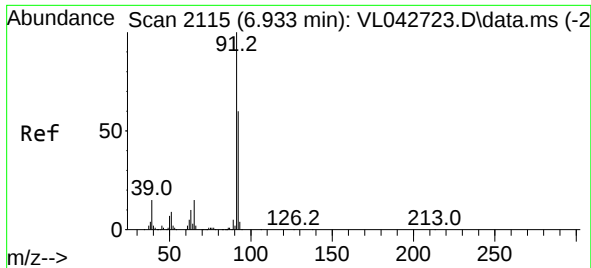
164 100

166 116.0 95.1 142.7

129 92.5 81.9 122.9

131 90.6 74.0 111.0





#53

Toluene

Concen: 9.593 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

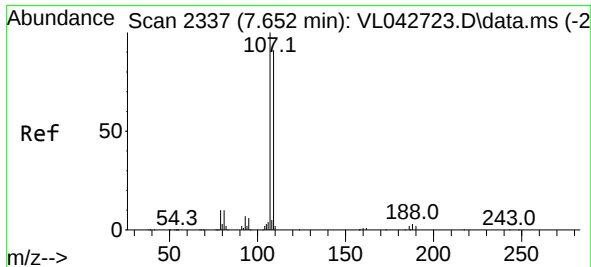
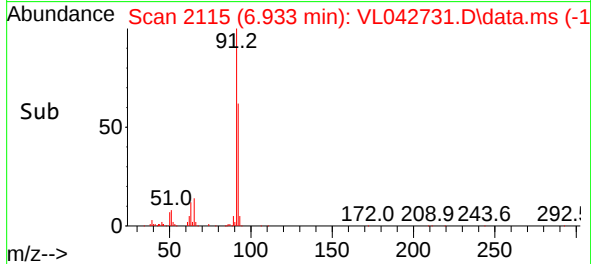
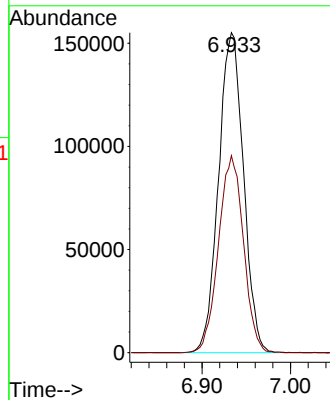
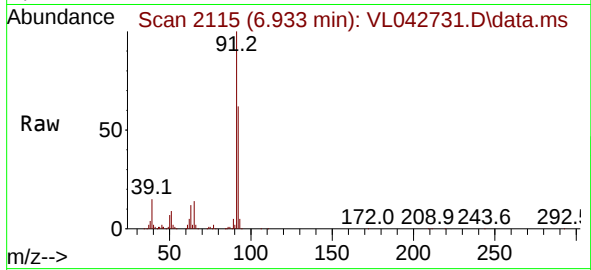
ClientSampleId :

Tgt Ion: 91 Resp: 303714

Ion Ratio Lower Upper

91 100

92 61.6 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.309 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.003 min

Lab File: VL042731.D

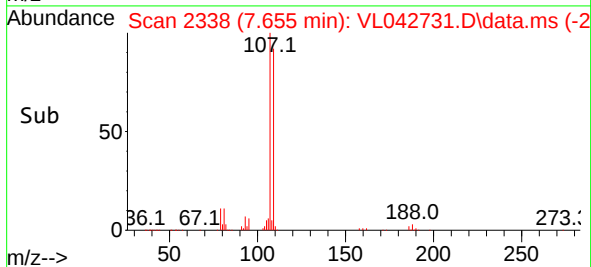
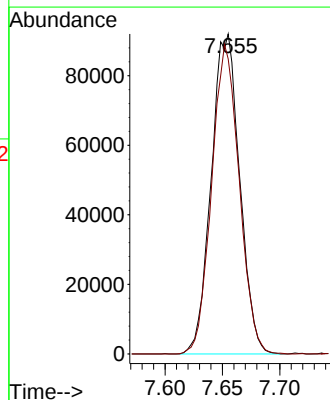
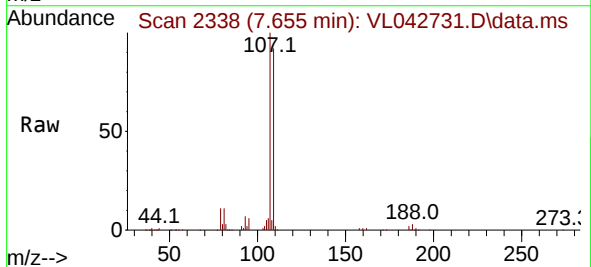
Acq: 22 Jul 2025 15:06

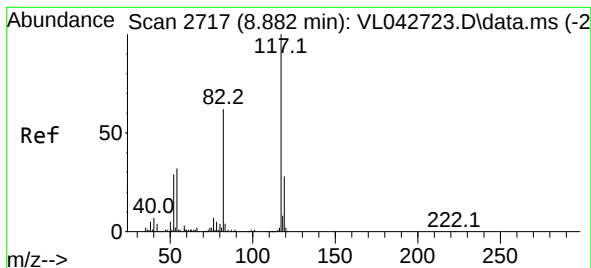
Tgt Ion: 107 Resp: 158768

Ion Ratio Lower Upper

107 100

109 92.1 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: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

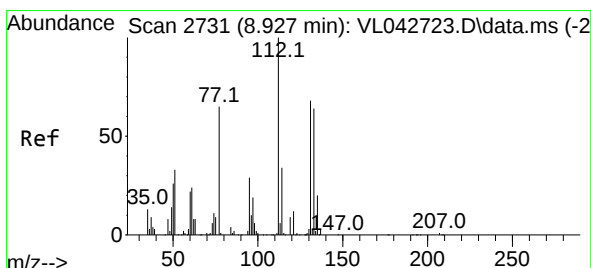
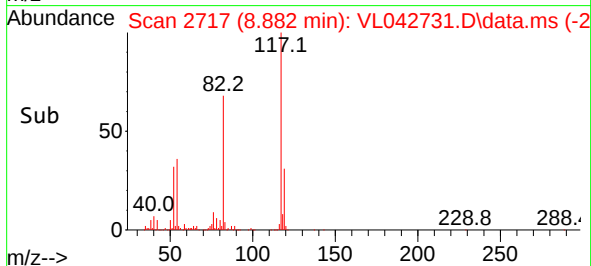
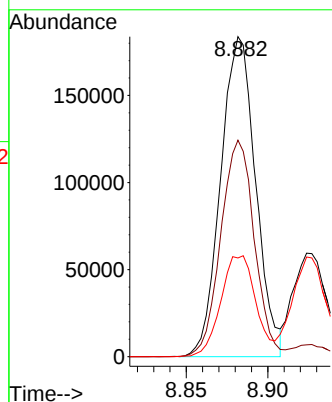
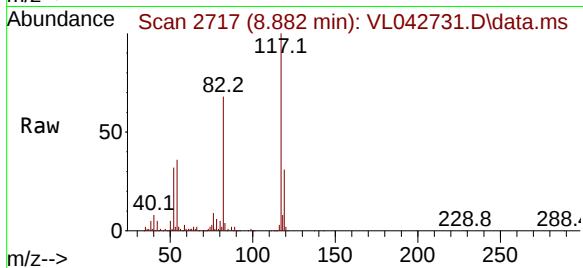
Tgt Ion:117 Resp: 274367

Ion Ratio Lower Upper

117 100

82 68.7 54.6 81.8

119 32.7 25.3 37.9



#56

1,1,1,2-Tetrachloroethane

Concen: 9.255 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

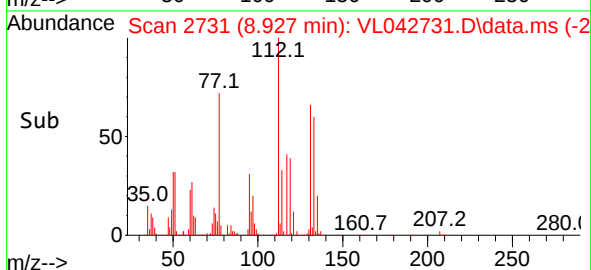
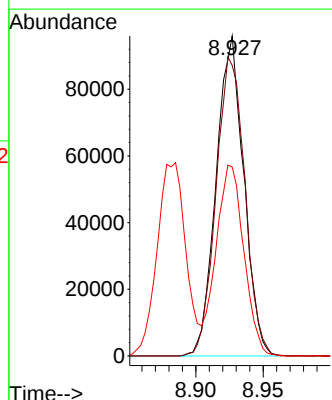
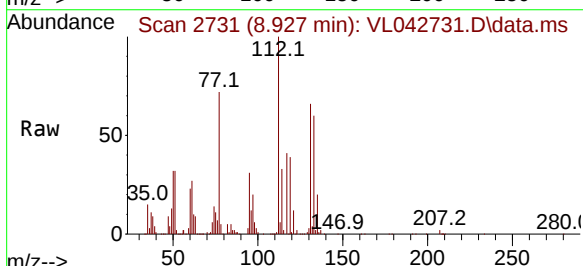
Tgt Ion:131 Resp: 136803

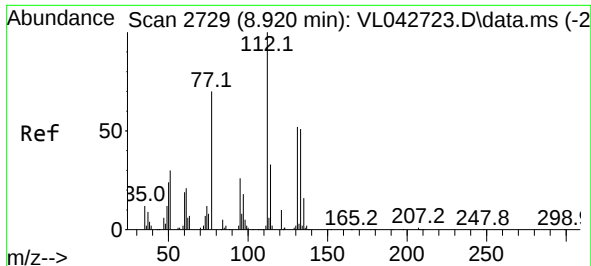
Ion Ratio Lower Upper

131 100

133 97.8 77.4 116.0

119 59.9 48.6 73.0





#57

Chlorobenzene

Concen: 9.150 ppbv

RT: 8.921 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042731.D

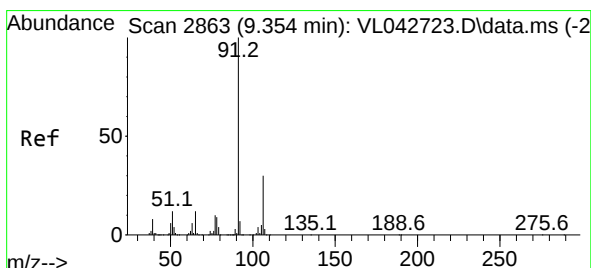
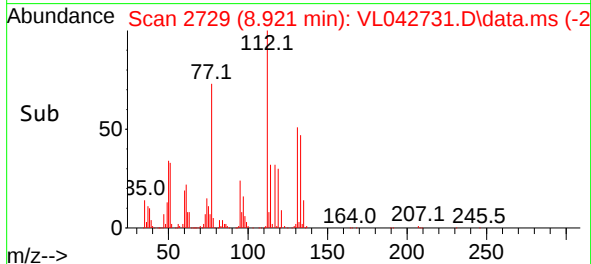
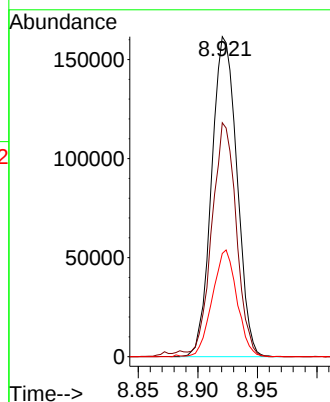
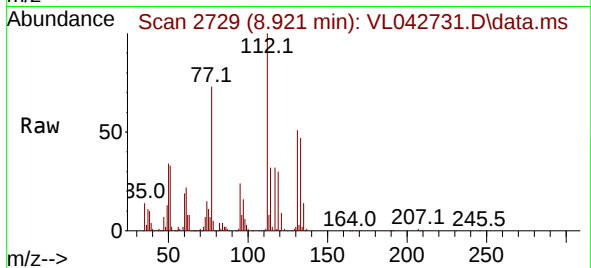
Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp: 239120
Ion Ratio	Lower Upper
112 100	
77 73.0	57.2 85.8
114 32.2	29.8 36.4



#58

Ethyl Benzene

Concen: 9.539 ppbv

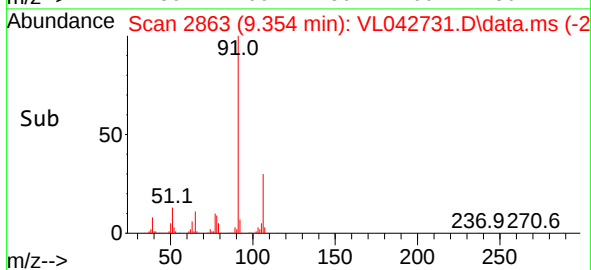
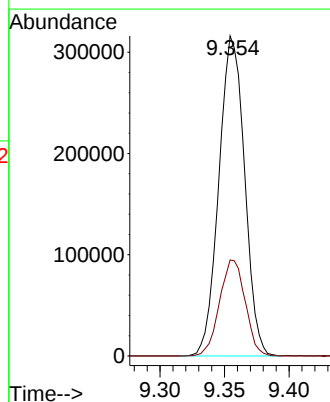
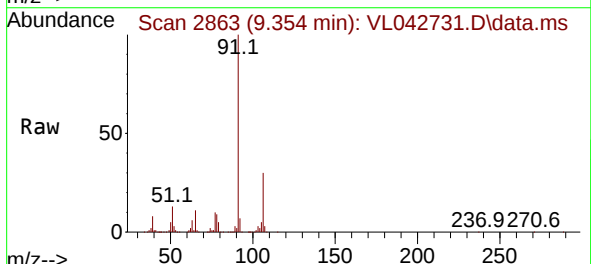
RT: 9.354 min Scan# 2863

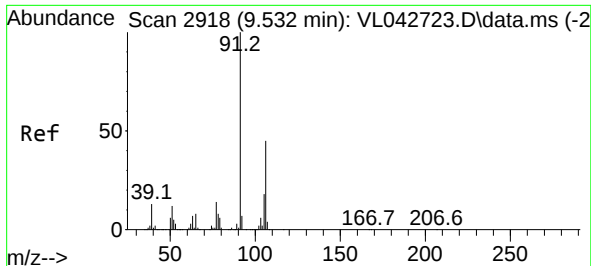
Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion: 91	Resp: 437222
Ion Ratio	Lower Upper
91 100	
106 30.0	23.7 35.5





#59

m/p-Xylene

Concen: 10.012 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

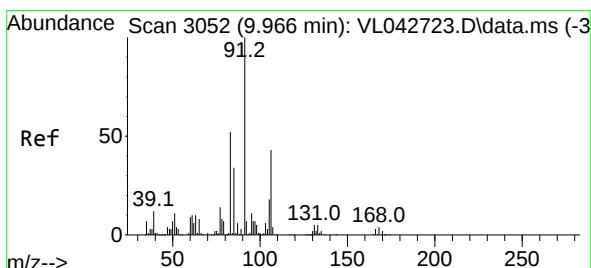
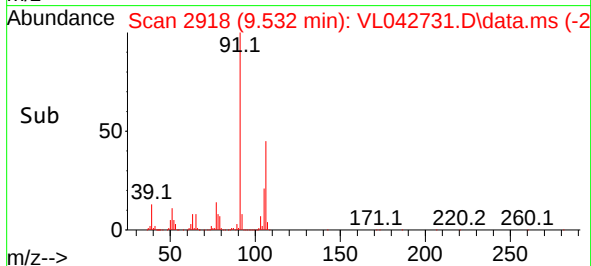
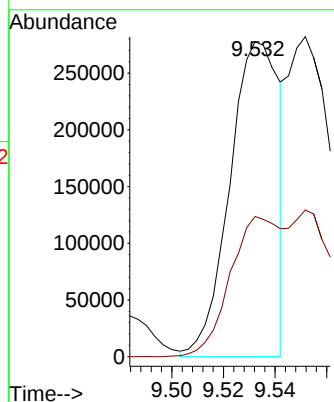
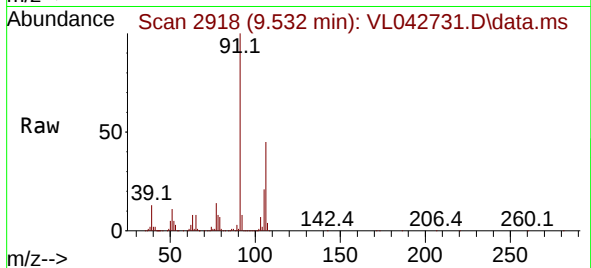
ClientSampleId :

Tgt Ion: 91 Resp: 367087

Ion Ratio Lower Upper

91 100

106 0.0 37.3 55.9#



#60

o-Xylene

Concen: 9.421 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VL042731.D

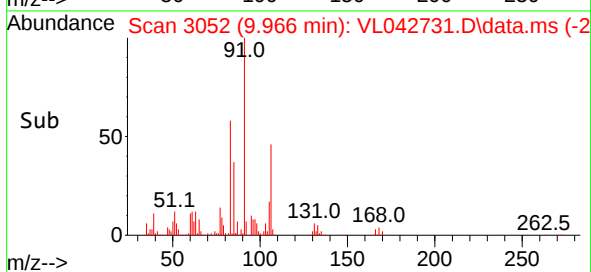
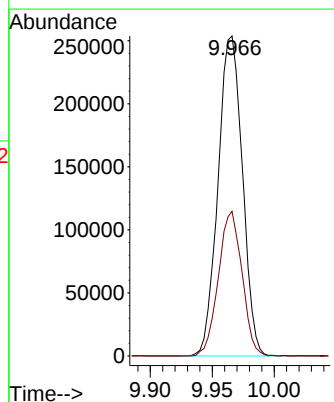
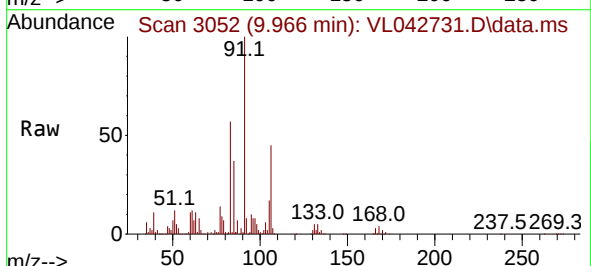
Acq: 22 Jul 2025 15:06

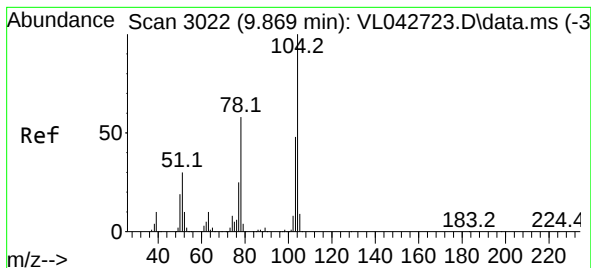
Tgt Ion: 91 Resp: 348762

Ion Ratio Lower Upper

91 100

106 43.7 21.4 64.3





#61

Styrene

Concen: 9.714 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

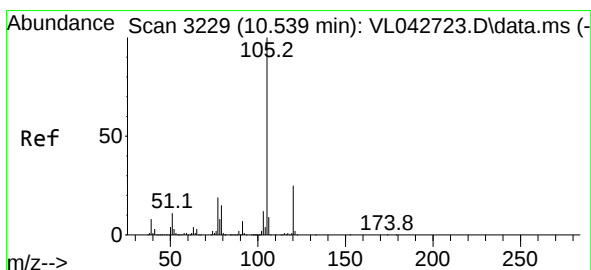
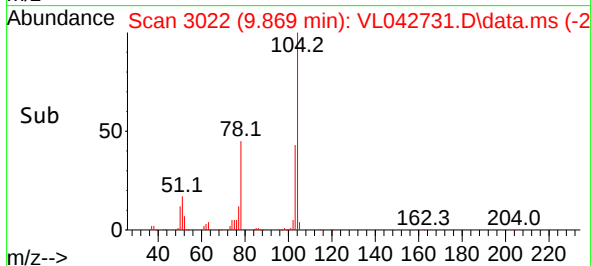
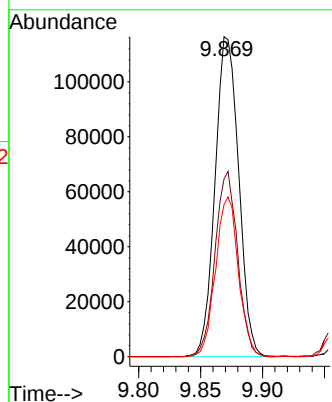
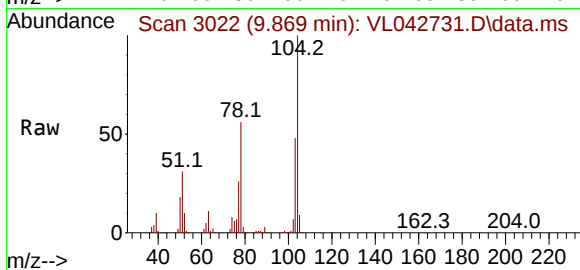
Tgt Ion:104 Resp: 154909

Ion Ratio Lower Upper

104 100

78 55.5 43.4 65.2

103 48.4 37.8 56.6



#62

Isopropylbenzene

Concen: 9.418 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.000 min

Lab File: VL042731.D

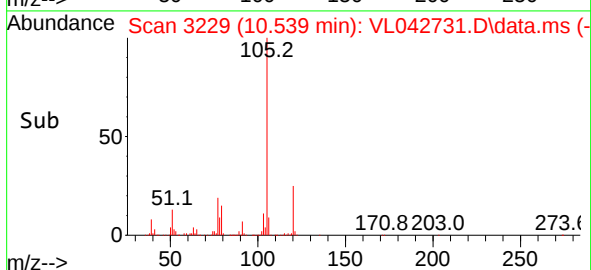
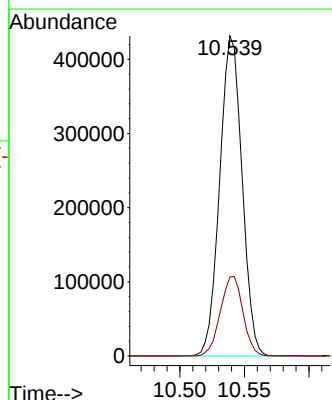
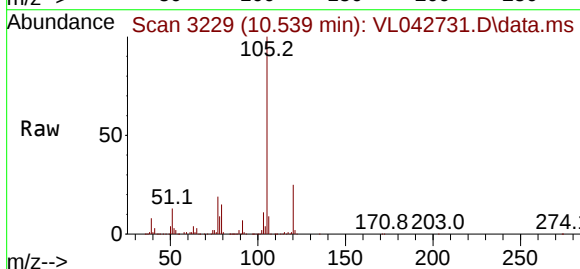
Acq: 22 Jul 2025 15:06

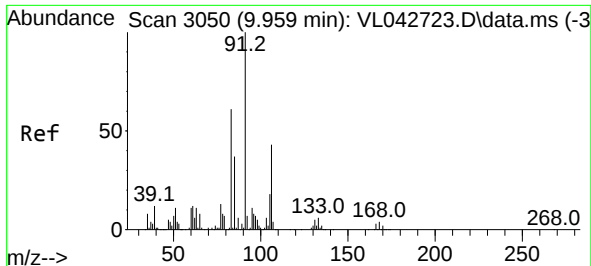
Tgt Ion:105 Resp: 518317

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

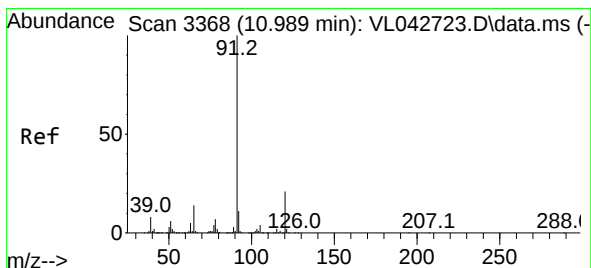
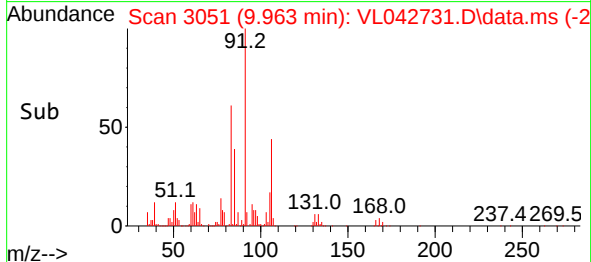
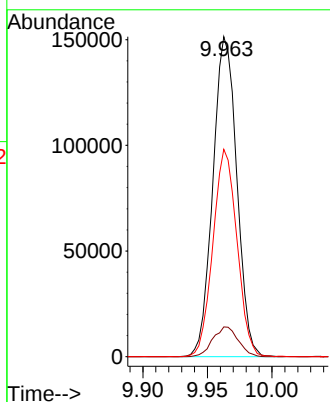
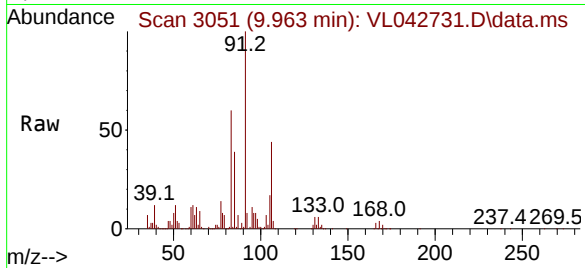




#63
1,1,2,2-Tetrachloroethane
Concen: 9.208 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

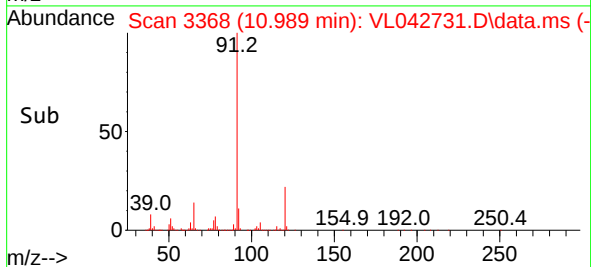
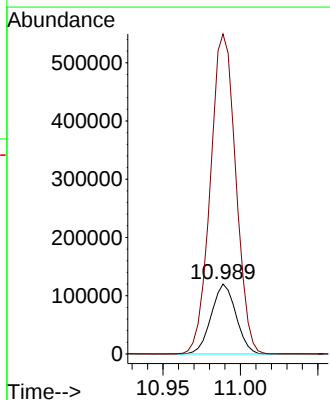
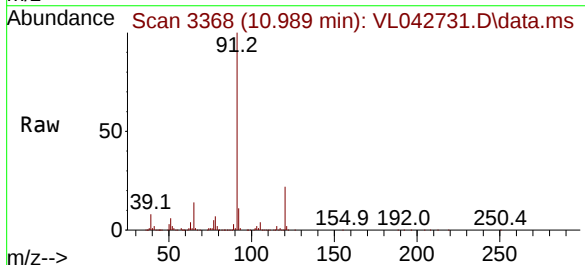
Instrument :
MSVOA_L
ClientSampleId :

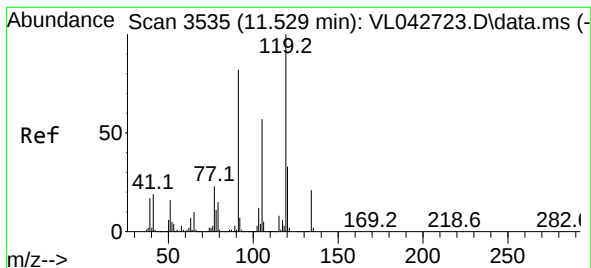
Tgt Ion: 83 Resp: 194906
Ion Ratio Lower Upper
83 100
131 9.9 5.2 15.6
85 65.0 32.1 96.5



#64
n-propylbenzene
Concen: 9.590 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 120 Resp: 133130
Ion Ratio Lower Upper
120 100
91 471.8 377.4 566.0

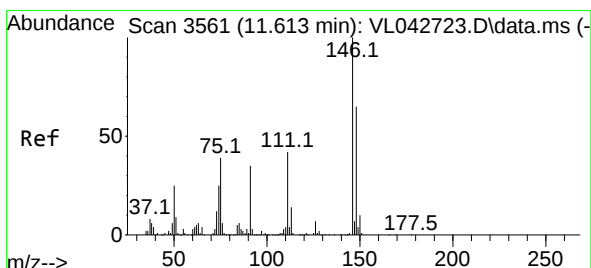
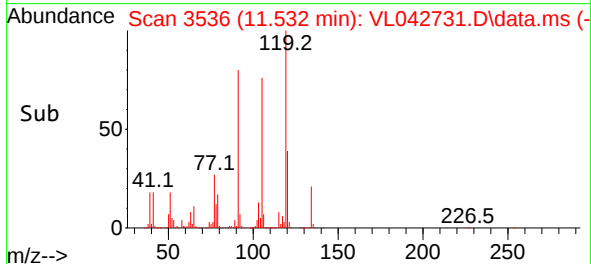
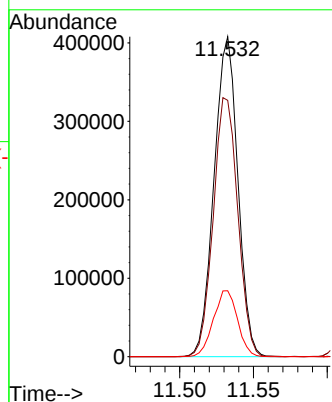
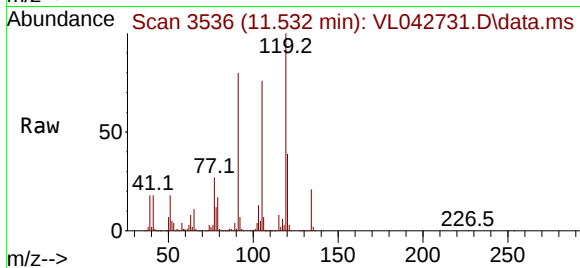




#65
tert-Butylbenzene
Concen: 9.301 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

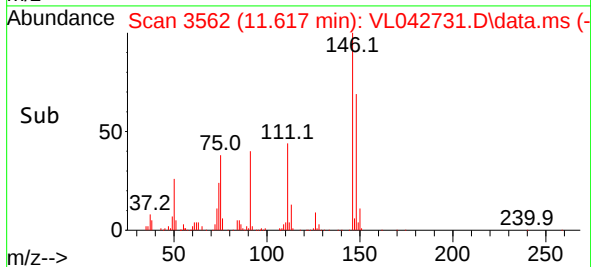
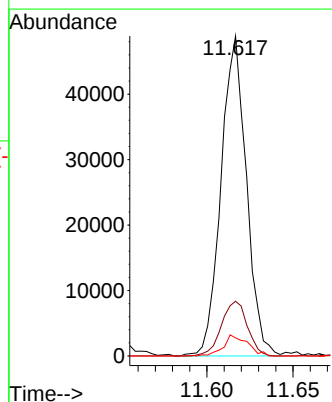
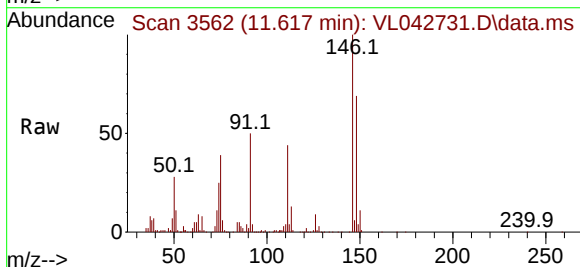
Instrument :
MSVOA_L
ClientSampleId :

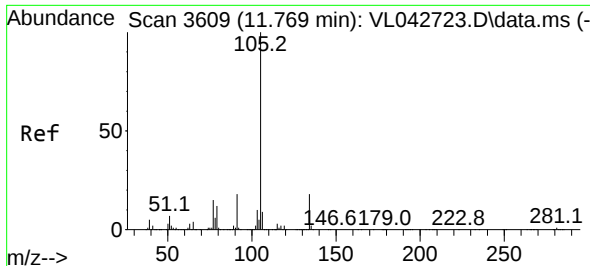
Tgt Ion:119 Resp: 458035
Ion Ratio Lower Upper
119 100
91 83.6 66.5 99.7
134 20.9 16.7 25.1



#66
Benzyl Chloride
Concen: 10.713 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion: 91 Resp: 50184
Ion Ratio Lower Upper
91 100
126 17.5 15.0 22.4
128 6.3 5.0 7.6

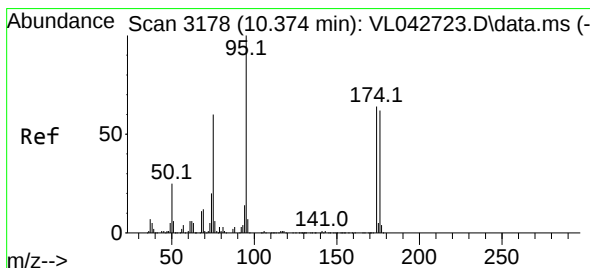
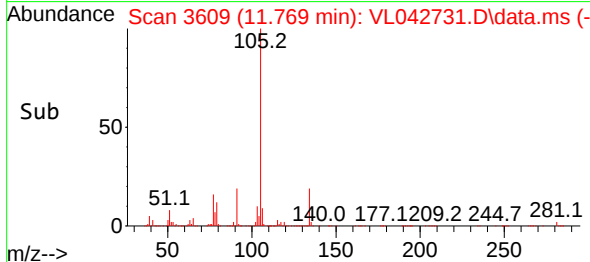
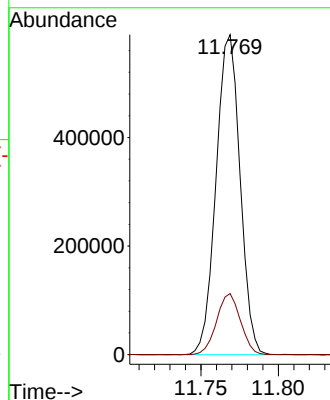
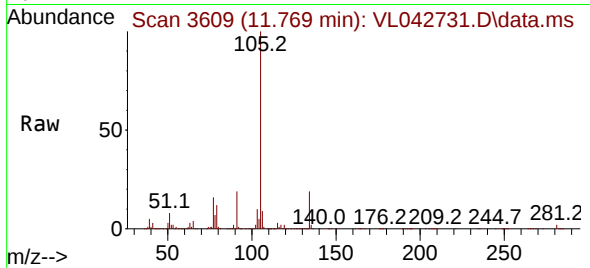




#67
 sec-Butylbenzene
 Concen: 9.372 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

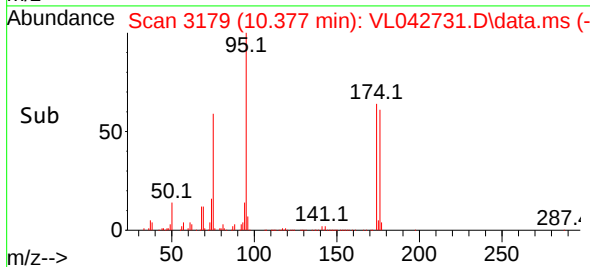
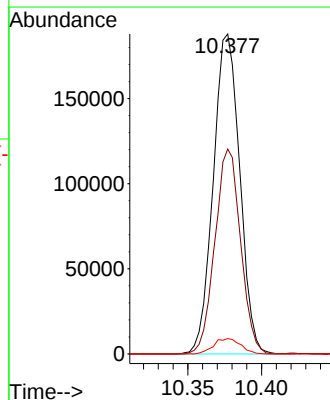
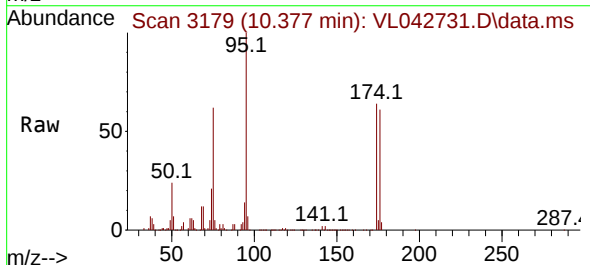
Instrument :
 MSVOA_L
 ClientSampleId :

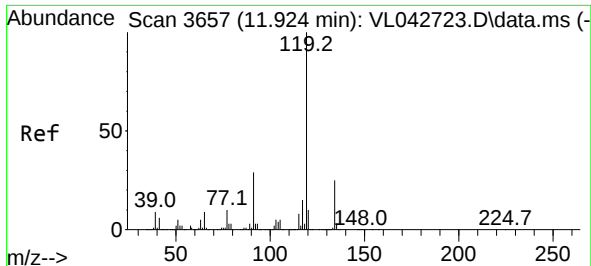
Tgt Ion:105 Resp: 633973
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.583 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 95 Resp: 234672
 Ion Ratio Lower Upper
 95 100
 174 62.0 51.4 77.2
 175 4.9 4.2 6.4

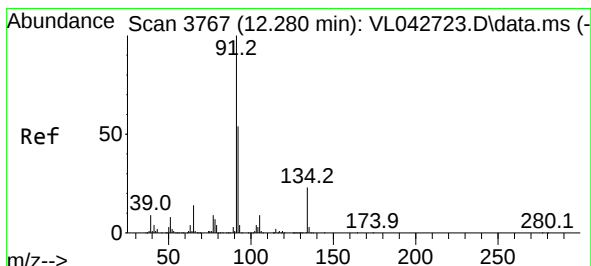
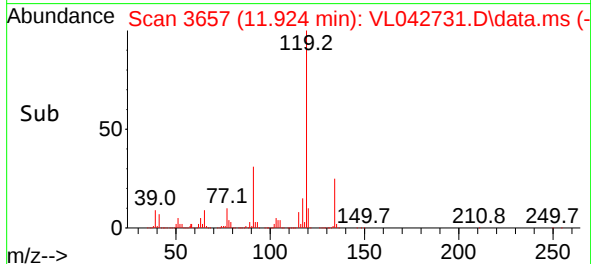
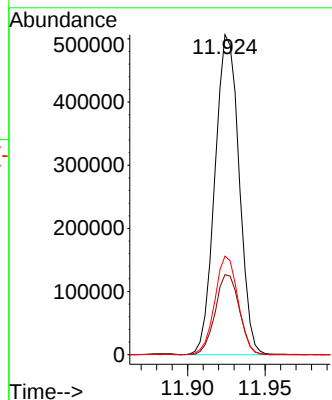
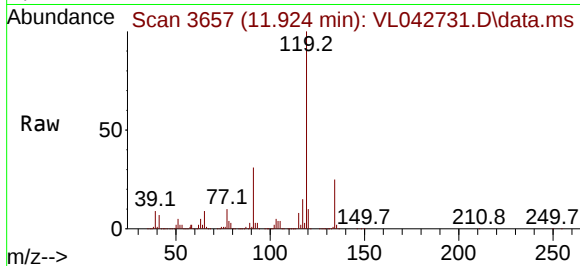




#69
 p-Isopropyltoluene
 Concen: 9.690 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

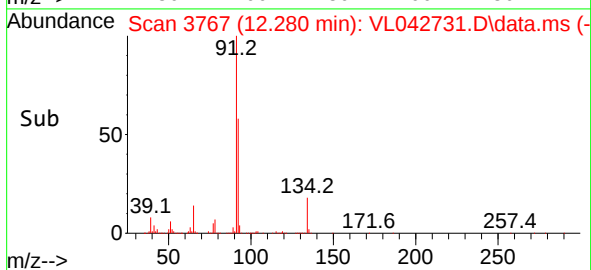
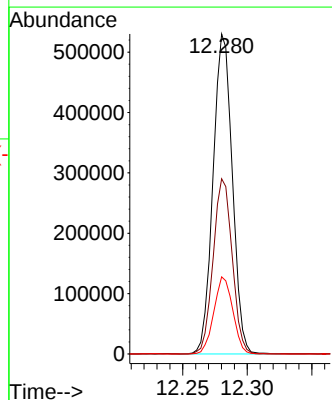
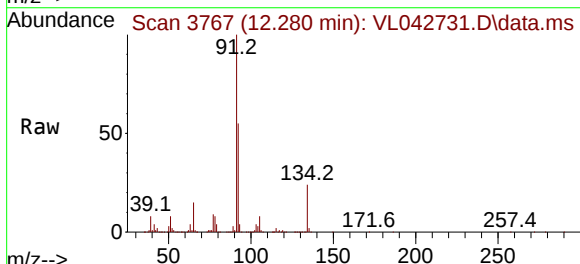
Instrument :
 MSVOA_L
 ClientSampleId :

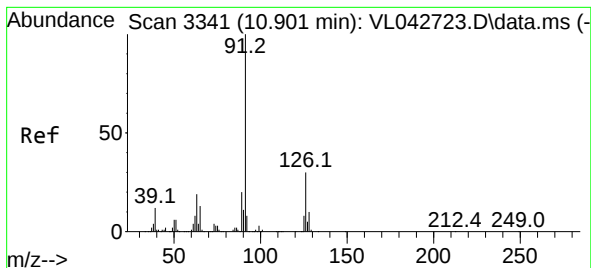
Tgt Ion:119 Resp: 549049
 Ion Ratio Lower Upper
 119 100
 134 25.0 19.8 29.6
 91 29.9 23.9 35.9



#70
 n-Butylbenzene
 Concen: 10.147 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.000 min
 Lab File: VL042731.D
 Acq: 22 Jul 2025 15:06

Tgt Ion: 91 Resp: 549486
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.2 64.8
 134 23.7 19.0 28.6

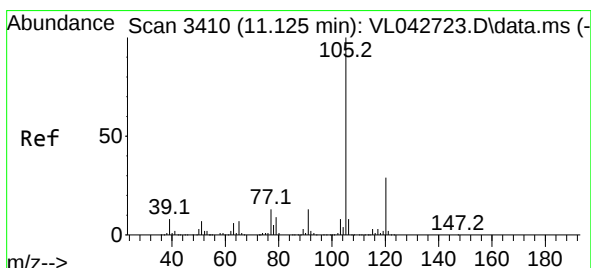
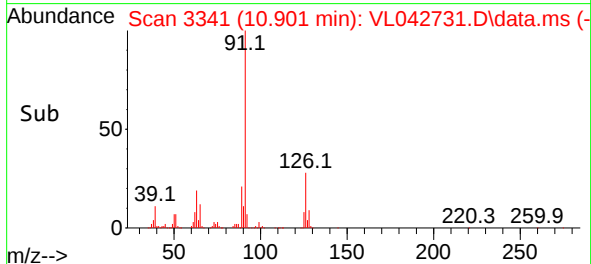
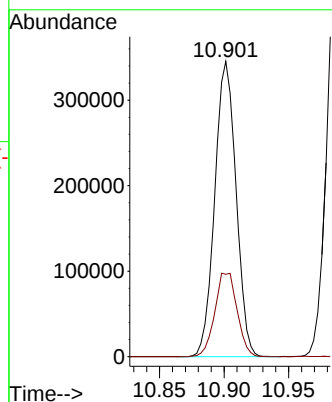
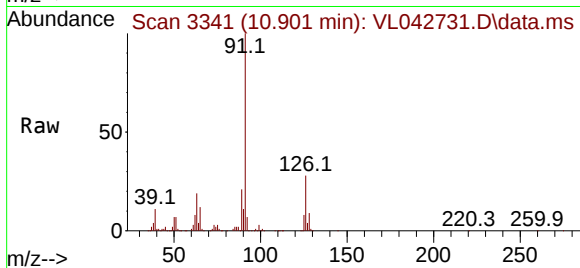




#71
2-Chlorotoluene
Concen: 9.476 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

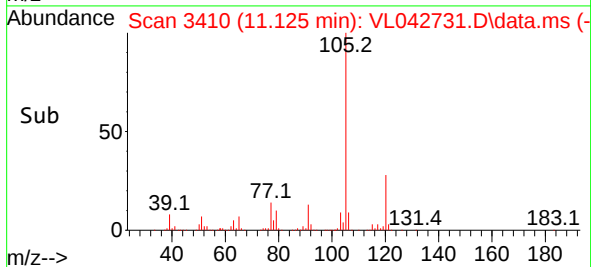
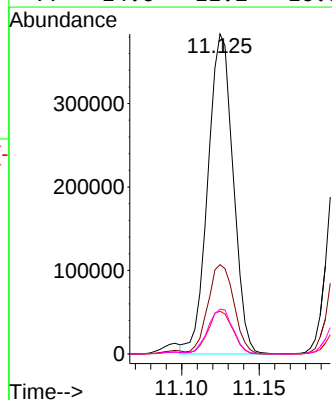
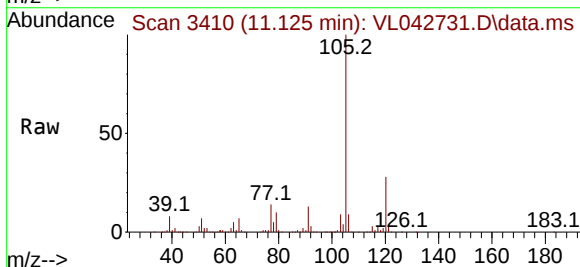
Instrument :
MSVOA_L
ClientSampleId :

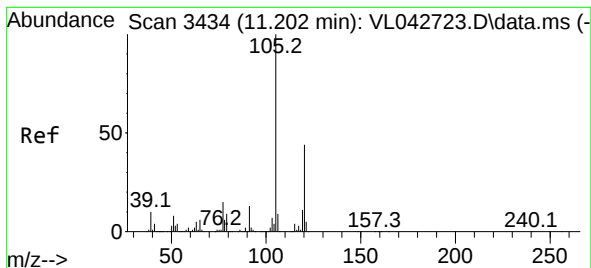
Tgt Ion: 91 Resp: 395308
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.4



#72
4-Ethyltoluene
Concen: 9.850 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion:105 Resp: 434852
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.7 10.6 15.8
77 14.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.084 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

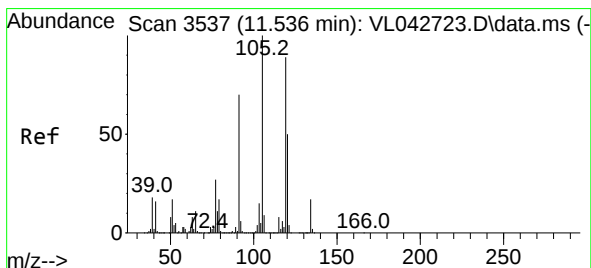
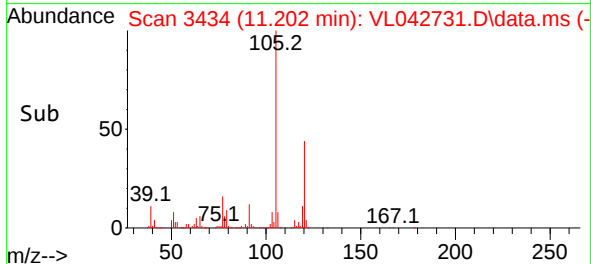
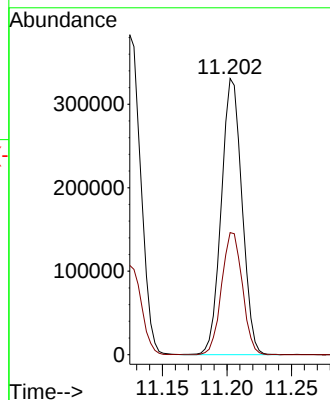
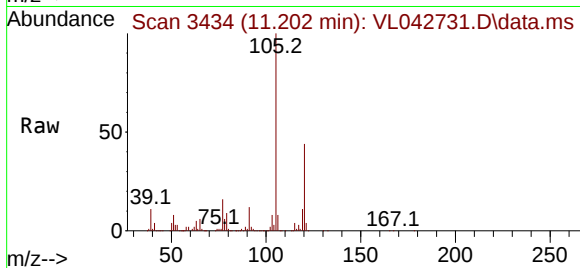
ClientSampleId :

Tgt Ion:105 Resp: 368192

Ion Ratio Lower Upper

105 100

120 44.2 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 9.991 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Tgt Ion:105 Resp: 400229

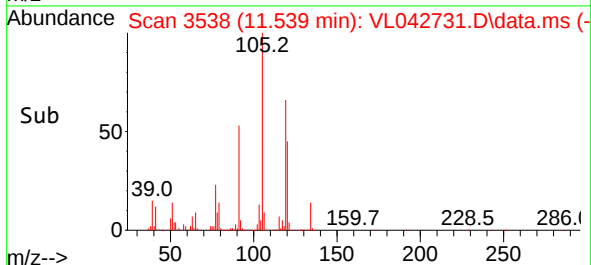
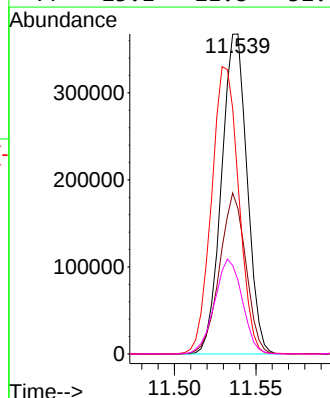
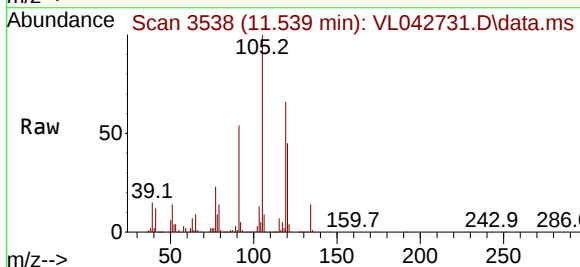
Ion Ratio Lower Upper

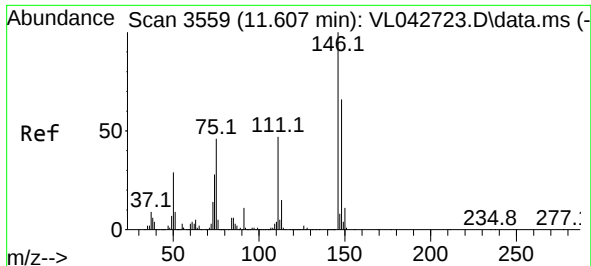
105 100

120 45.4 39.9 59.9

91 53.4 56.5 84.7#

77 23.1 21.8 32.6

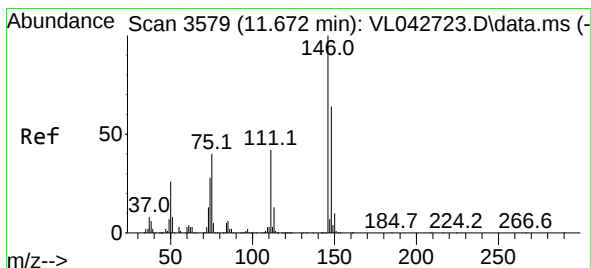
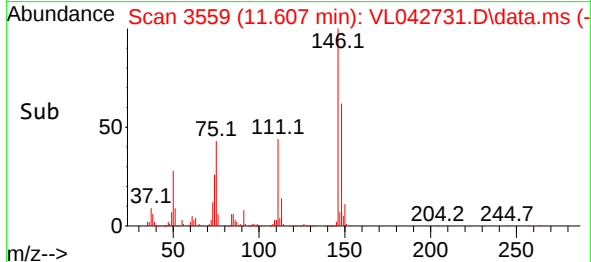
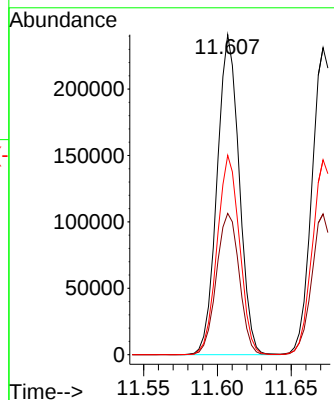
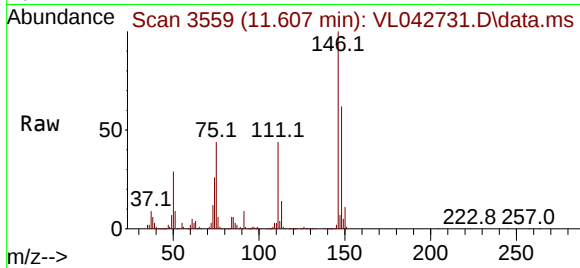




#75
1,3-Dichlorobenzene
Concen: 9.378 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

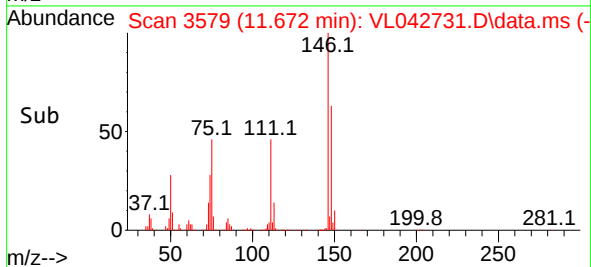
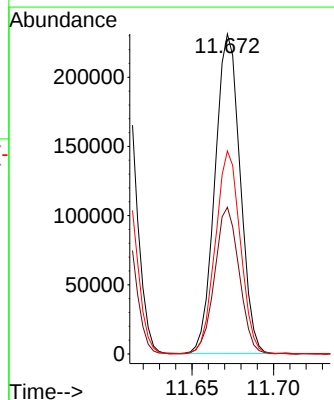
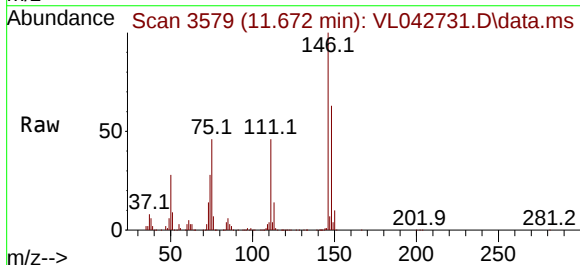
Instrument :
MSVOA_1
ClientSampleId :

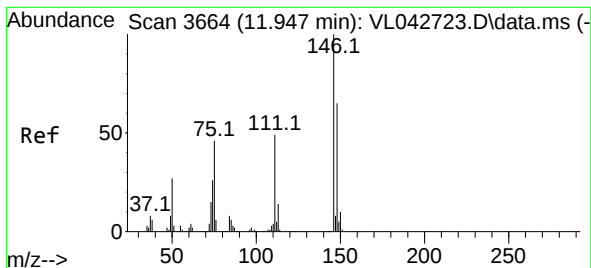
Tgt Ion:146 Resp: 251235
Ion Ratio Lower Upper
146 100
111 45.7 23.5 70.5
148 63.1 32.6 98.0



#76
1,4-Dichlorobenzene
Concen: 9.559 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042731.D
Acq: 22 Jul 2025 15:06

Tgt Ion:146 Resp: 247720
Ion Ratio Lower Upper
146 100
111 44.9 22.1 66.1
148 63.4 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 9.276 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

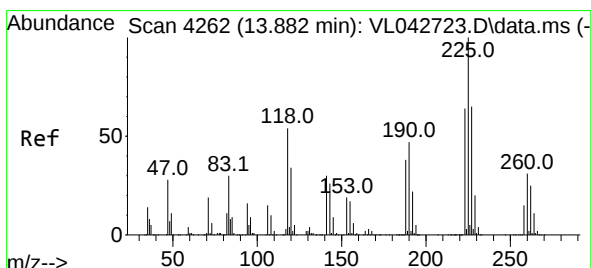
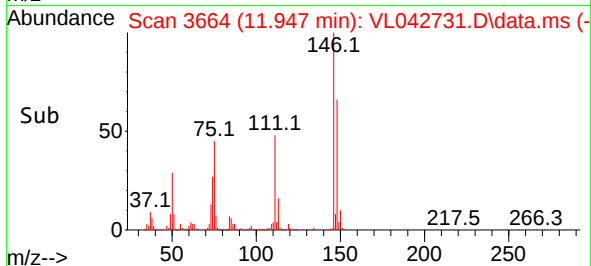
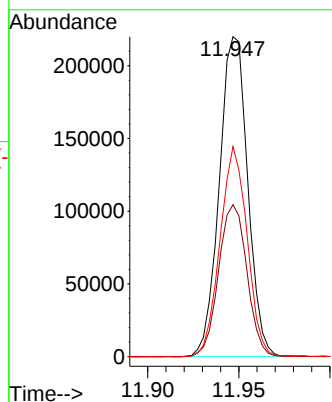
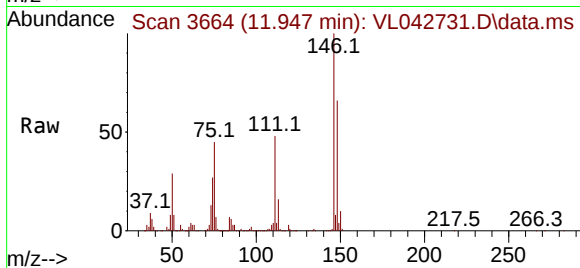
Tgt Ion:146 Resp: 238232

Ion Ratio Lower Upper

146 100

111 47.6 24.9 74.6

148 62.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.402 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

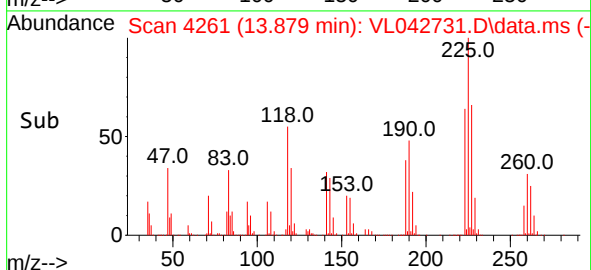
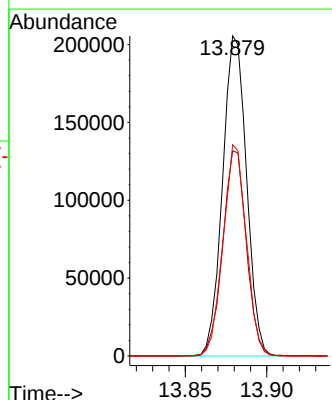
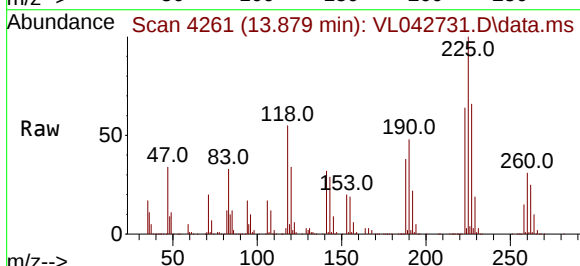
Tgt Ion:225 Resp: 210055

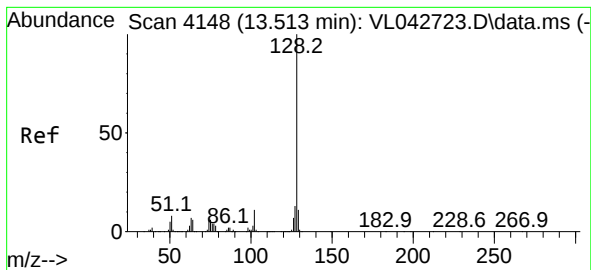
Ion Ratio Lower Upper

225 100

223 63.2 51.3 76.9

227 64.0 51.8 77.8





#79

Naphthalene

Concen: 13.681 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :

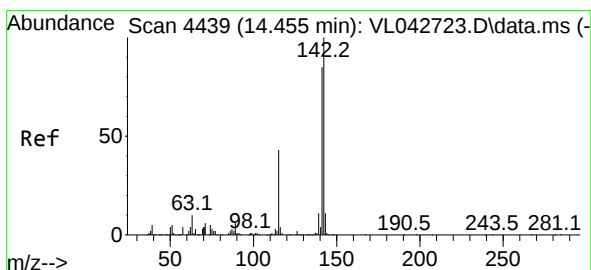
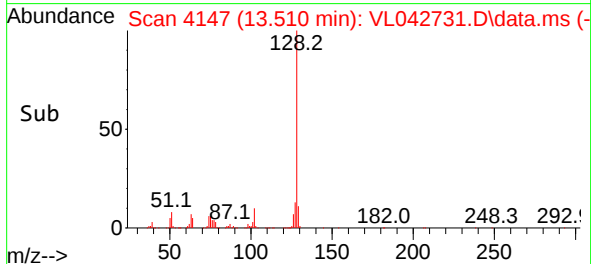
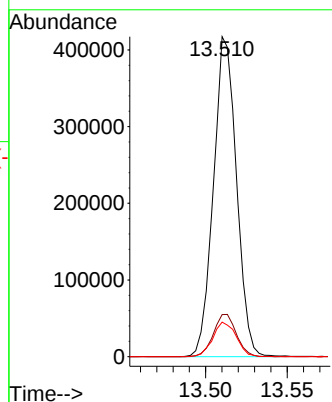
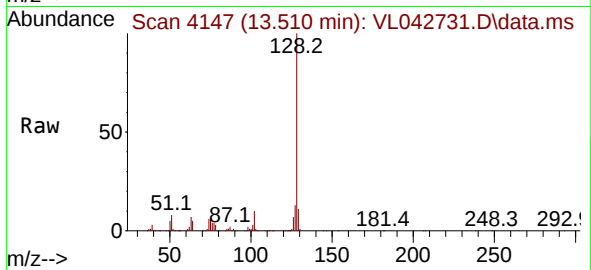
Tgt Ion:128 Resp: 410019

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.8 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 20.233 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

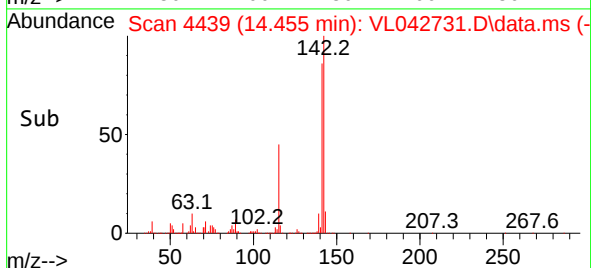
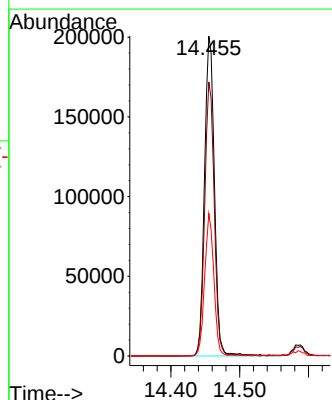
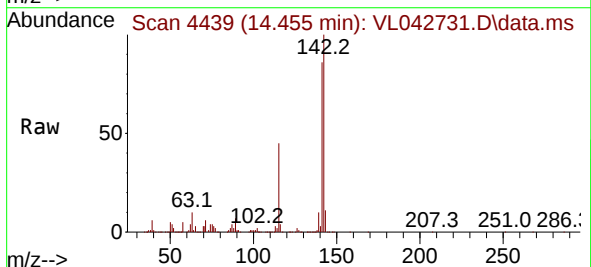
Tgt Ion:142 Resp: 199543

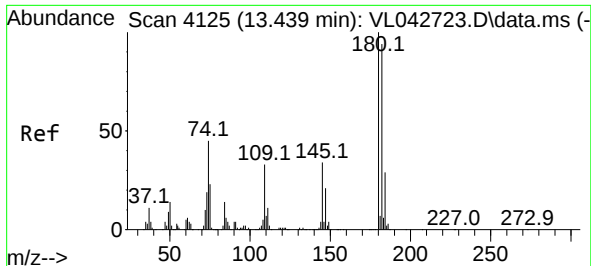
Ion Ratio Lower Upper

142 100

141 83.4 65.6 98.4

115 41.9 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 12.164 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

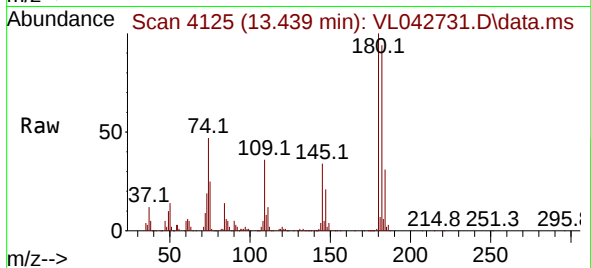
Lab File: VL042731.D

Acq: 22 Jul 2025 15:06

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 222336

Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

184 30.8 25.0 37.4

