

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042723.D
 Acq On : 22 Jul 2025 08:55
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 01:29:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	103624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	320455	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	287373	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	233616	10.058	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	150708	9.316	ppbv	100
3) Chlorodifluoromethane	1.476	51	168230	9.188	ppbv	100
4) Chloromethane	1.531	50	62368	9.415	ppbv	100
5) Vinyl Chloride	1.580	62	54376	8.310	ppbv	100
6) Bromomethane	1.667	94	24061	9.086	ppbv	100
7) Chloroethane	1.703	64	20641	8.296	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	122544	8.981	ppbv	100
9) Propene	1.483	41	62955	9.672	ppbv	100
10) Heptane	4.978	43	170864	9.421	ppbv	100
11) Trichlorofluoromethane	1.877	101	147017	8.831	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	115056	8.833	ppbv	100
13) Ethanol	1.719	45	6172	5.894	ppbv	96
14) Bromoethene	1.780	108	41089	8.847	ppbv	100
15) Acetone	1.835	43	126212	7.274	ppbv	100
16) 1,3-Butadiene	1.609	39	63985	8.611	ppbv	100
17) tert-Butyl alcohol	2.039	59	151668	9.206	ppbv	100
18) 1,1-Dichloroethene	2.033	96	52093	9.404	ppbv	100
19) Isopropyl Alcohol	1.884	45	84334	9.171	ppbv	100
20) Methylene Chloride	2.059	84	43816	8.033	ppbv	100
21) Allyl Chloride	2.094	41	102783	9.241	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	56551	8.871	ppbv	100
23) Vinyl Acetate	2.460	43	184024	9.303	ppbv	100
24) 1,1-Dichloroethane	2.408	63	118220	9.302	ppbv	100
25) Ethyl Acetate	2.832	43	303752	9.487	ppbv	100
26) Hexane	2.826	57	133894	9.532	ppbv	100
27) Carbon Disulfide	2.149	76	142744	9.515	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	71602	8.769	ppbv	100
29) Chloroform	2.848	83	211013	9.098	ppbv	100
30) Cyclohexane	3.855	84	119069	9.715	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	141958	9.386	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	226089	9.258	ppbv	100
34) 2-Butanone	2.554	43	201816	9.146	ppbv	100
35) Carbon Tetrachloride	3.764	117	232054	8.838	ppbv	100
36) Benzene	3.654	78	274769	9.229	ppbv	100
37) 1,2-Dichloroethane	3.217	62	173509	9.137	ppbv	100
38) Trichloroethene	4.548	130	127306	8.783	ppbv	100
39) 1,2-Dichloropropane	4.311	63	98188	8.858	ppbv	100
40) 1,4-Dioxane	4.580	88	44753	8.762	ppbv #	96
41) Tetrahydrofuran	3.052	42	107955	9.572	ppbv	100
42) Bromodichloromethane	4.486	83	235255	9.466	ppbv	100
43) Methyl Methacrylate	4.878	69	108863	9.534	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	449058	9.145	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	135146	9.625	ppbv	100

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

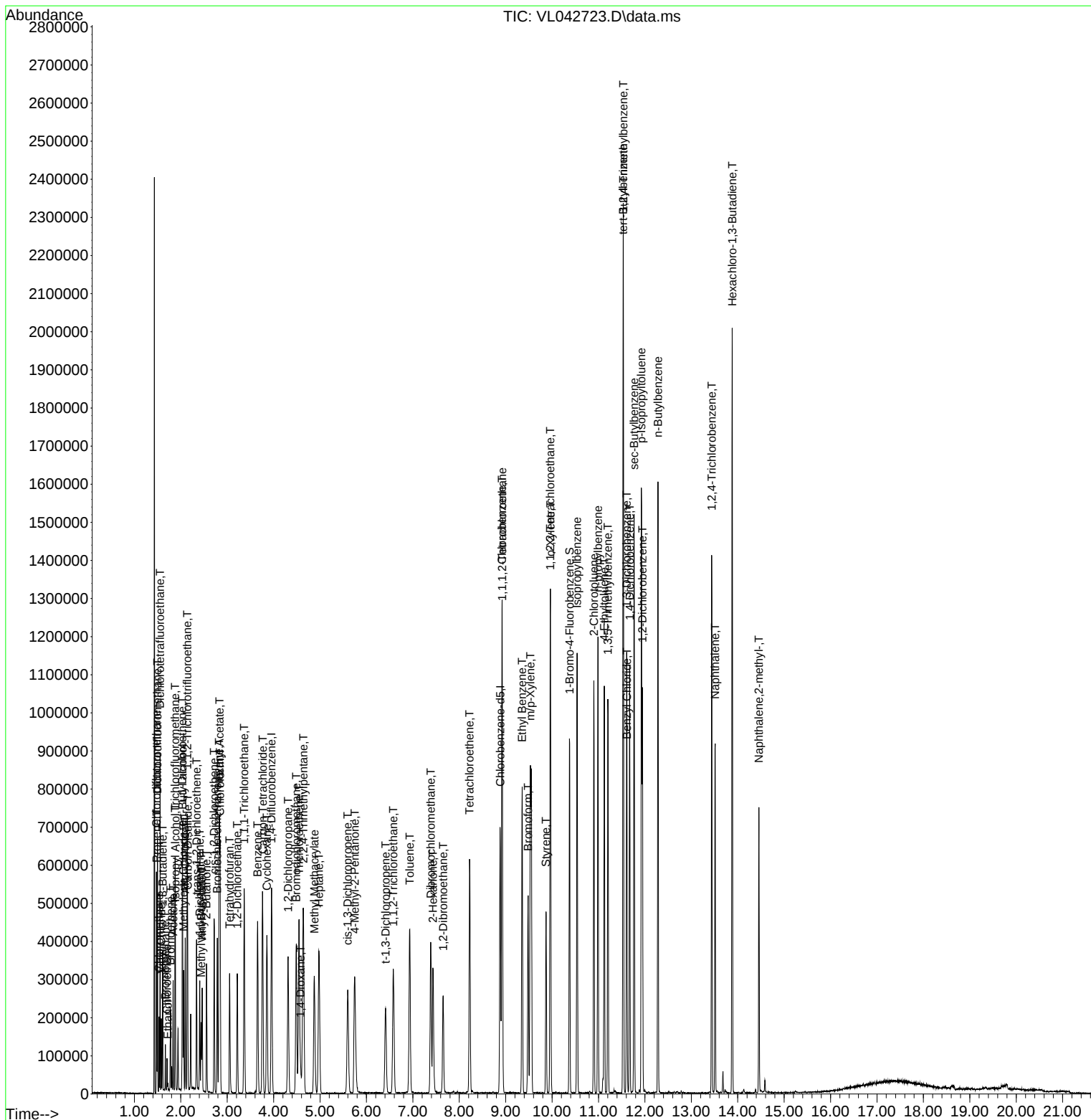
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 ClientSampleId :

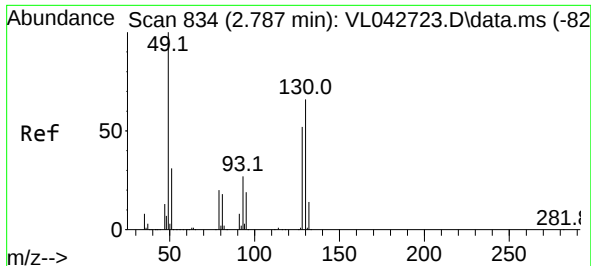
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	167051	10.017	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	108420	8.927	ppbv	100
48) Dibromochloromethane	7.386	129	199262	9.872	ppbv	100
49) Bromoform	9.484	173	173745	9.920	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	280957	9.677	ppbv	100
51) 2-Hexanone	7.432	43	228706	9.846	ppbv	100
52) Tetrachloroethene	8.221	164	109482	9.126	ppbv	100
53) Toluene	6.933	91	320906	9.560	ppbv	100
54) 1,2-Dibromoethane	7.652	107	166533	9.176	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	143657	9.279	ppbv	99
57) Chlorobenzene	8.920	112	247623	9.040	ppbv	100
58) Ethyl Benzene	9.354	91	457732	9.535	ppbv	100
59) m/p-Xylene	9.532	91	395761	10.287	ppbv #	30
60) o-Xylene	9.966	91	365462	9.425	ppbv	100
61) Styrene	9.869	104	164780	9.866	ppbv	100
62) Isopropylbenzene	10.539	105	533747	9.259	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	194147	8.757	ppbv	100
64) n-propylbenzene	10.989	120	135616	9.327	ppbv	100
65) tert-Butylbenzene	11.529	119	474362	9.196	ppbv	100
66) Benzyl Chloride	11.613	91	55364	11.294	ppbv	100
67) sec-Butylbenzene	11.769	105	653393	9.222	ppbv	100
69) p-Isopropyltoluene	11.924	119	568746	9.583	ppbv	100
70) n-Butylbenzene	12.280	91	563329	9.932	ppbv	100
71) 2-Chlorotoluene	10.901	91	410769	9.401	ppbv	100
72) 4-Ethyltoluene	11.125	105	447687	9.682	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	382699	10.007	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	411894	9.816	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	251931	8.978	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	257811	9.498	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	240874	8.954	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	212439	8.113	ppbv	100
79) Naphthalene	13.513	128	416154	13.303	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	208162	20.227	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	230529	12.042	ppbv	100

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

Quant Time: Jul 23 01:29:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
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QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration

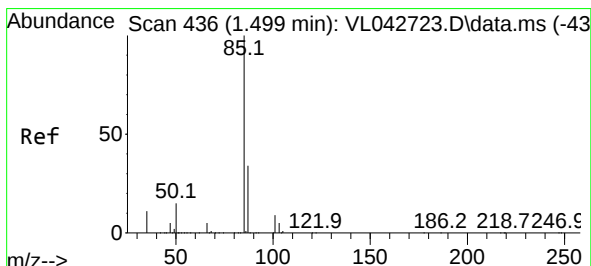
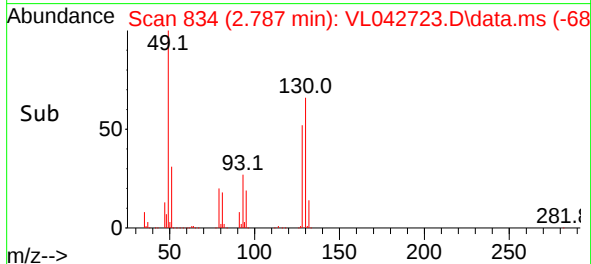
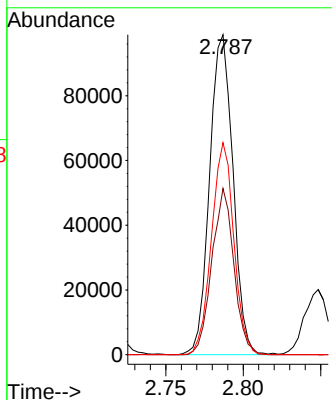
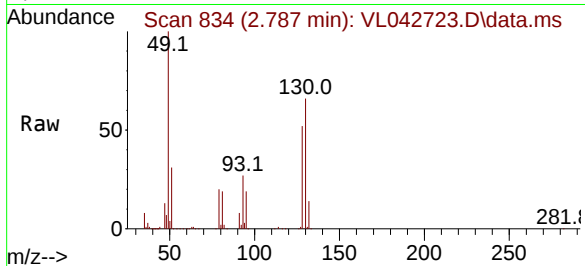




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

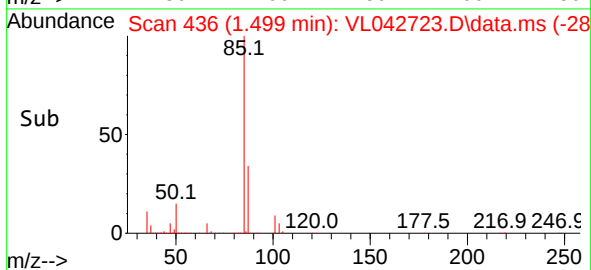
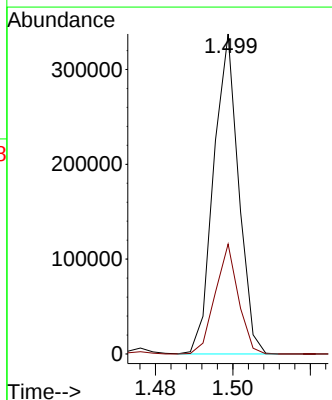
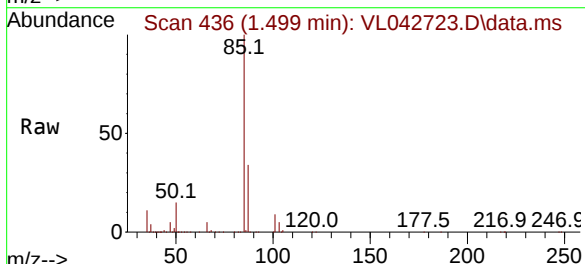
Instrument :
MSVOA_L
ClientSampleId :

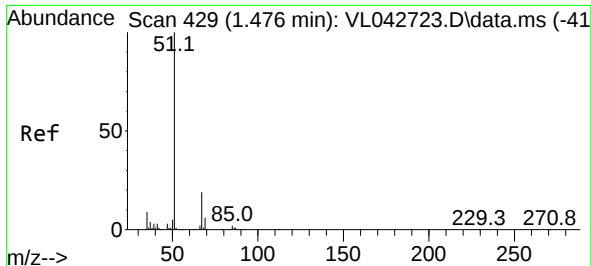
Tgt Ion: 49 Resp: 103624
Ion Ratio Lower Upper
49 100
128 49.0 24.5 73.5
130 63.4 31.7 95.1



#2
Dichlorodifluoromethane
Concen: 9.316 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 85 Resp: 150708
Ion Ratio Lower Upper
85 100
87 34.4 27.5 41.3

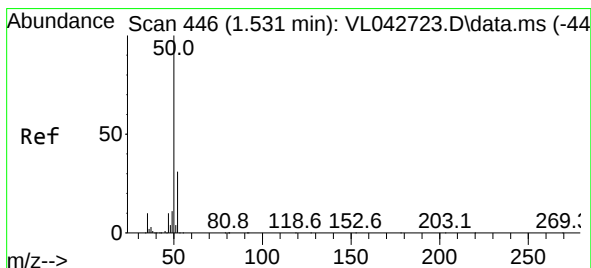
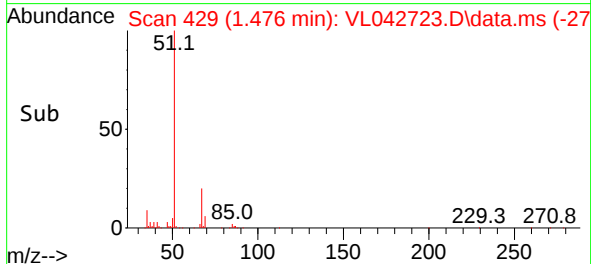
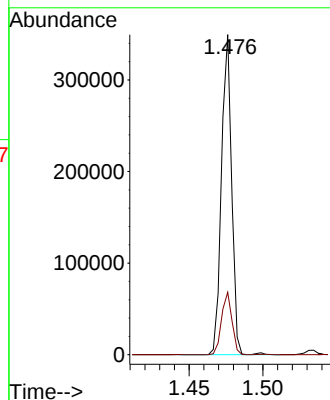
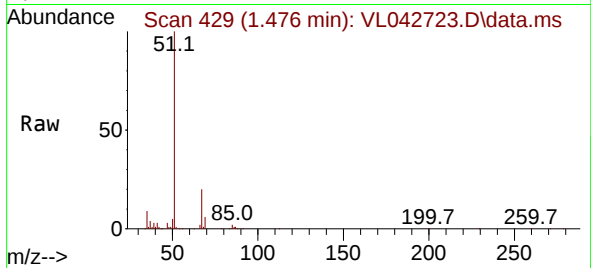




#3
Chlorodifluoromethane
Concen: 9.188 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

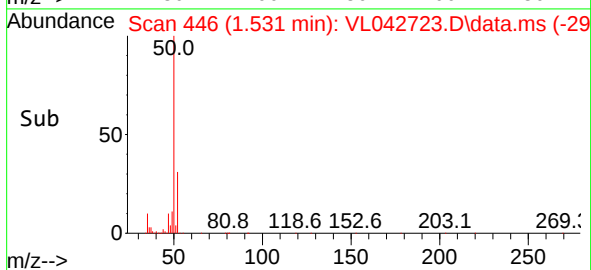
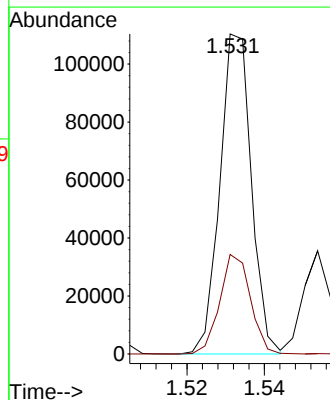
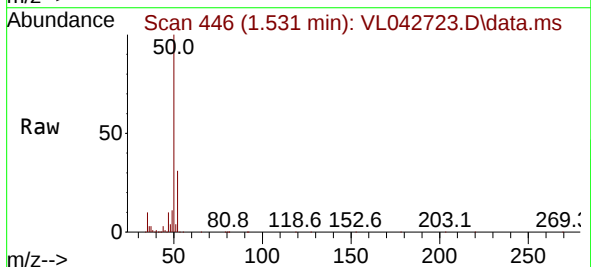
Instrument :
MSVOA_L
ClientSampleId :

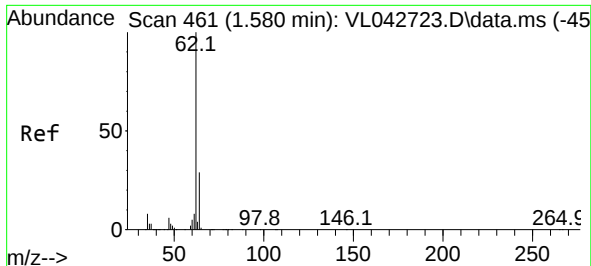
Tgt Ion: 51 Resp: 168230
Ion Ratio Lower Upper
51 100
67 20.0 16.0 24.0



#4
Chloromethane
Concen: 9.415 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 50 Resp: 62368
Ion Ratio Lower Upper
50 100
52 31.1 24.9 37.3

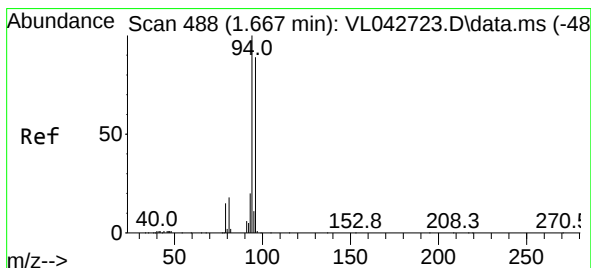
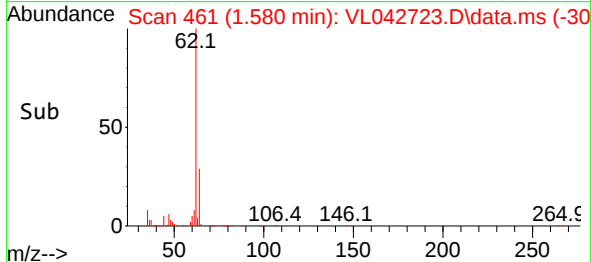
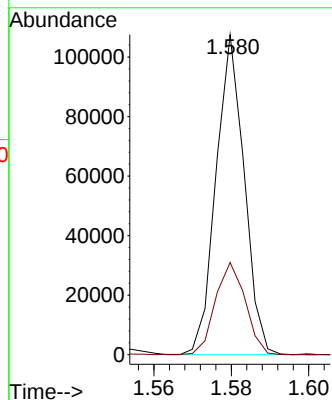
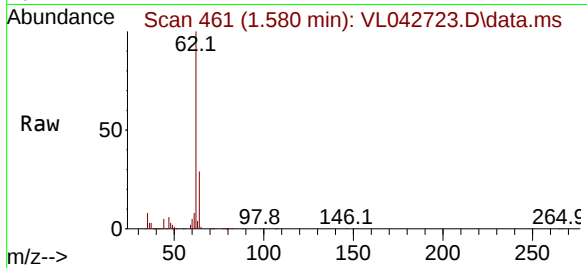




#5
 Vinyl Chloride
 Concen: 8.310 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

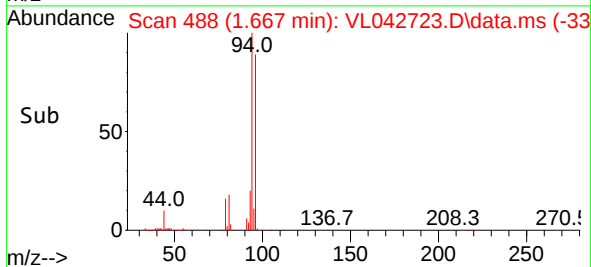
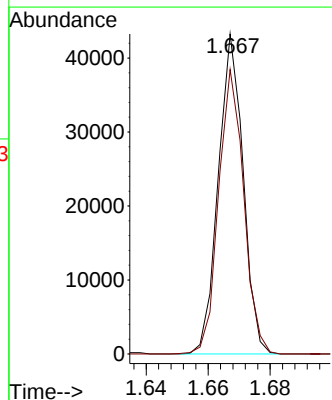
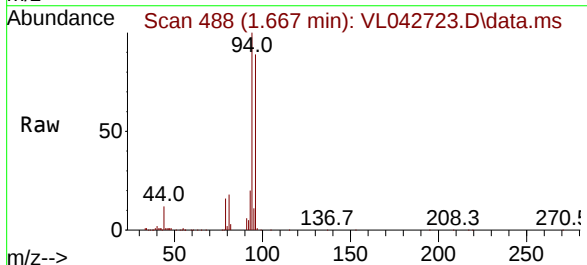
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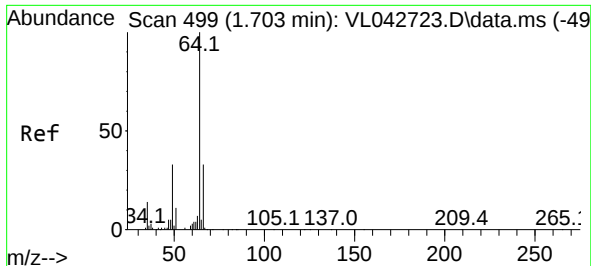
Tgt Ion: 62 Resp: 54376
 Ion Ratio Lower Upper
 62 100
 64 28.8 23.0 34.6



#6
 Bromomethane
 Concen: 9.086 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 94 Resp: 24061
 Ion Ratio Lower Upper
 94 100
 96 88.9 71.1 106.7

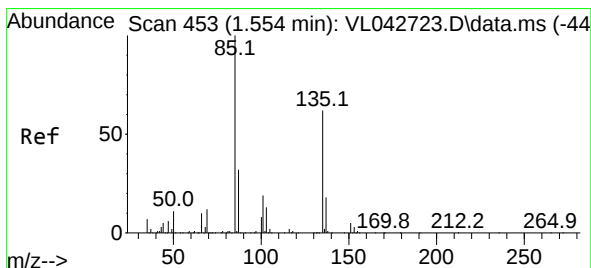
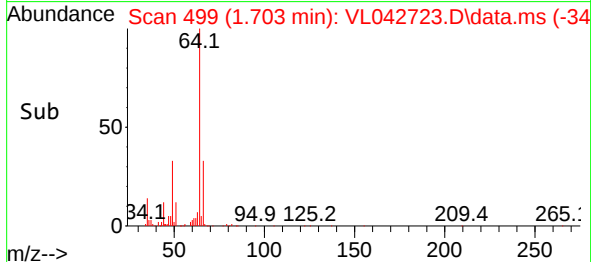
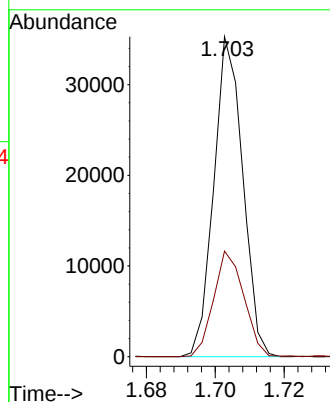
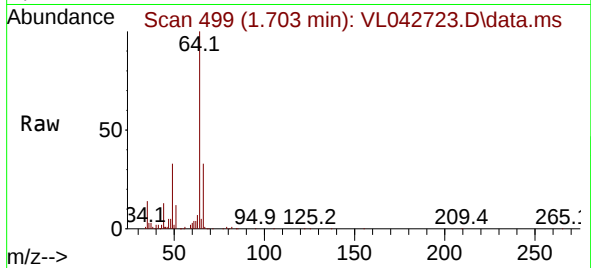




#7
Chloroethane
Concen: 8.296 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

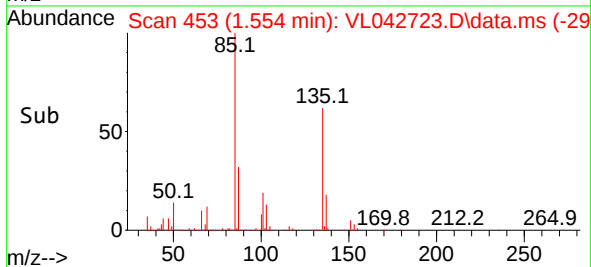
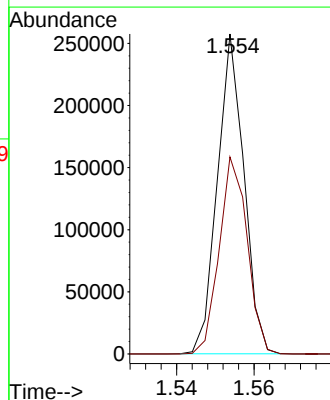
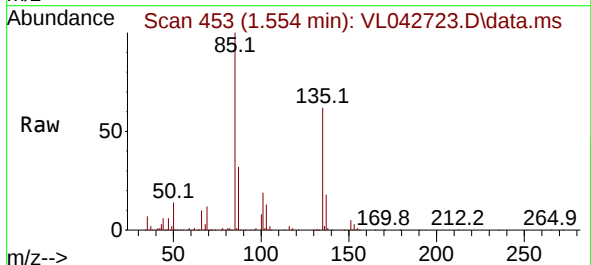
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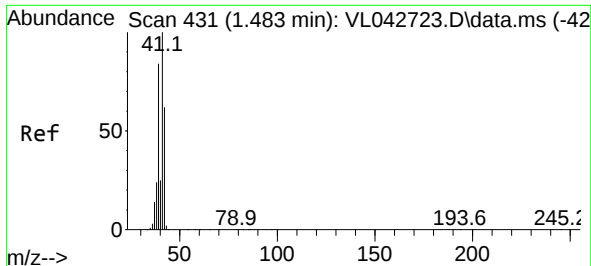
Tgt Ion: 64 Resp: 20641
Ion Ratio Lower Upper
64 100
66 33.0 26.4 39.6



#8
Dichlorotetrafluoroethane
Concen: 8.981 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 85 Resp: 122544
Ion Ratio Lower Upper
85 100
135 65.0 52.0 78.0





#9

Propene

Concen: 9.672 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

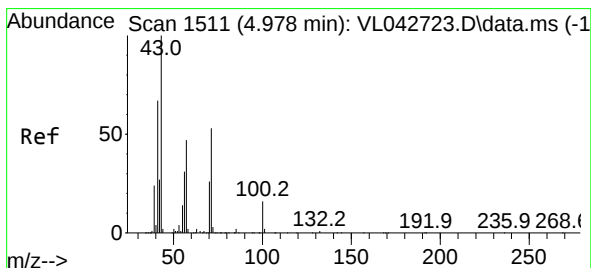
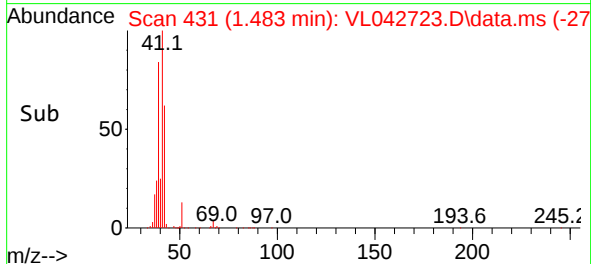
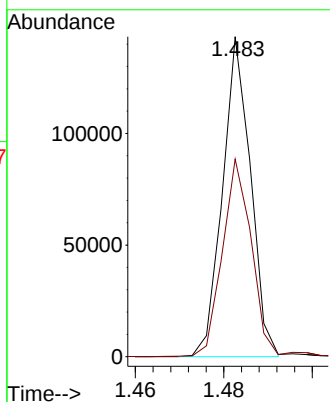
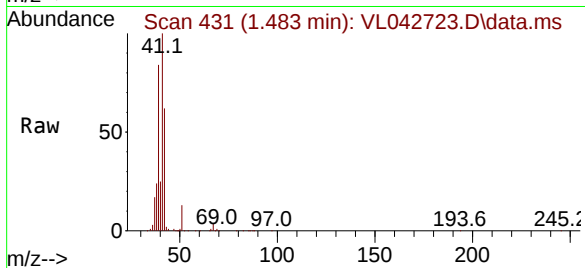
ClientSampleId :

Tgt Ion: 41 Resp: 62955

Ion Ratio Lower Upper

41 100

42 65.0 52.0 78.0



#10

Heptane

Concen: 9.421 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VL042723.D

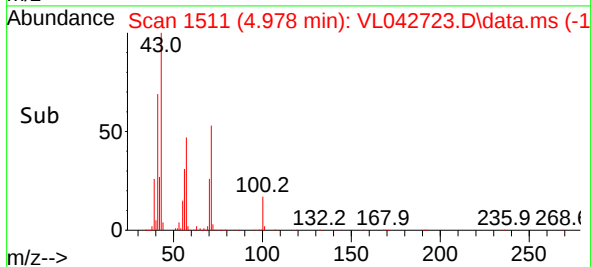
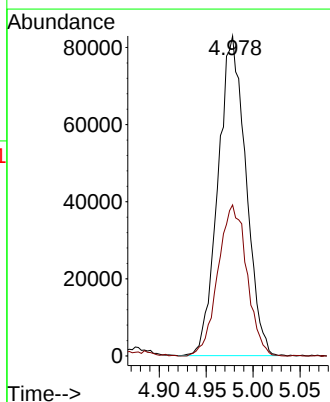
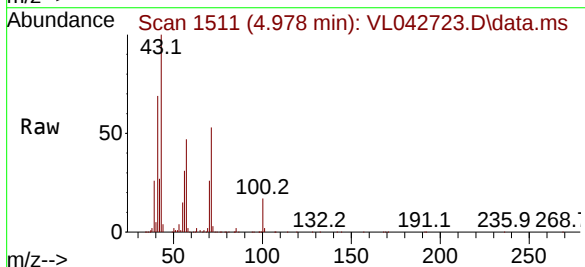
Acq: 22 Jul 2025 08:55

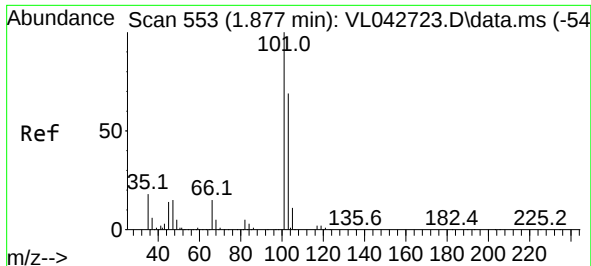
Tgt Ion: 43 Resp: 170864

Ion Ratio Lower Upper

43 100

57 48.9 39.1 58.7

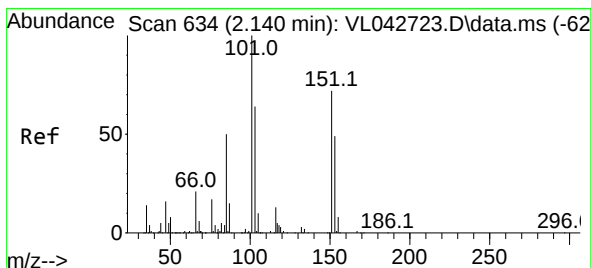
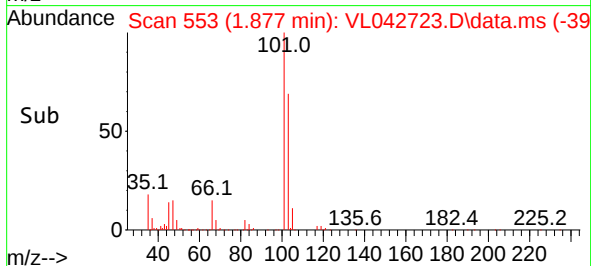
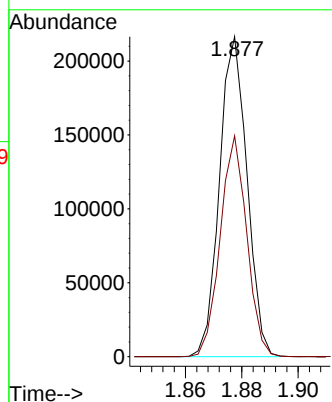
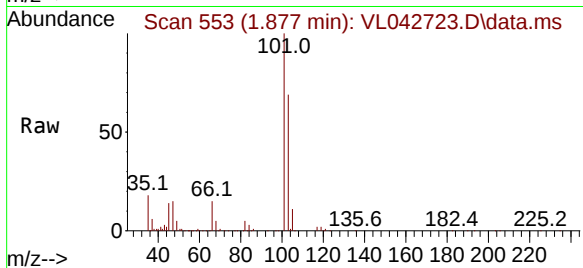




#11
 Trichlorofluoromethane
 Concen: 8.831 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

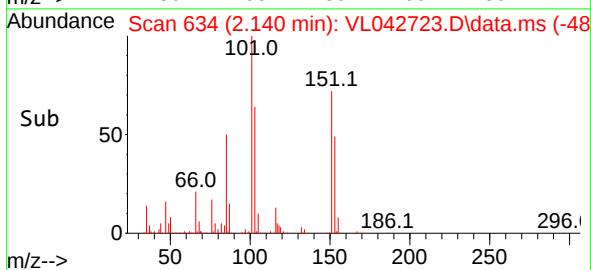
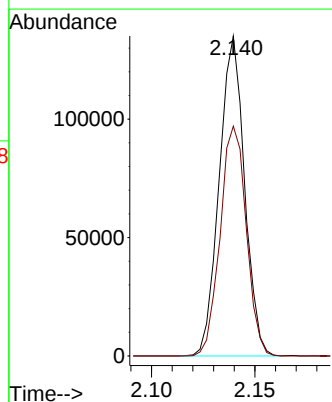
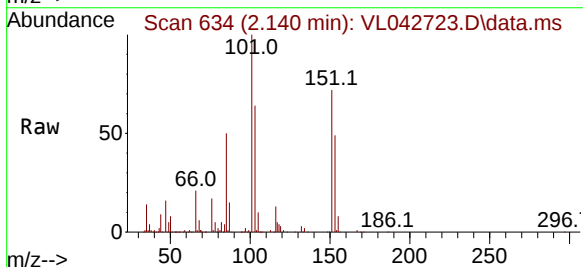
Instrument :
 MSVOA_L
 ClientSampleId :

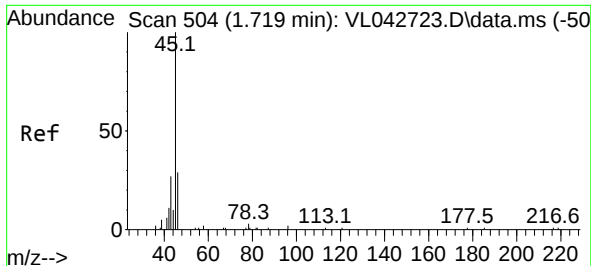
Tgt Ion:101 Resp: 147017
 Ion Ratio Lower Upper
 101 100
 103 69.0 55.2 82.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.833 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion:101 Resp: 115056
 Ion Ratio Lower Upper
 101 100
 151 73.9 59.1 88.7

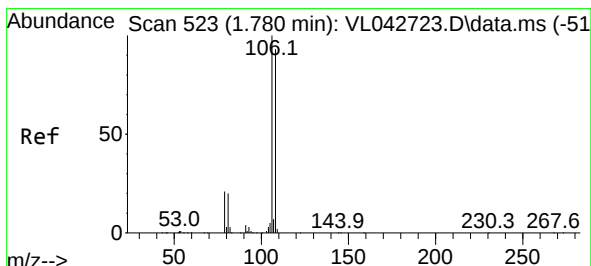
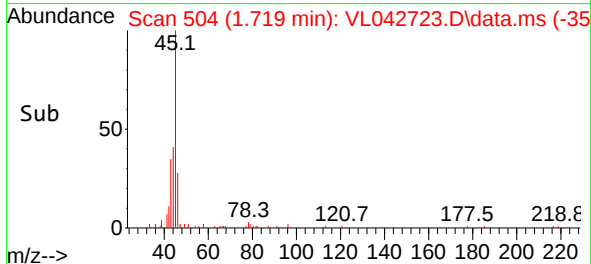
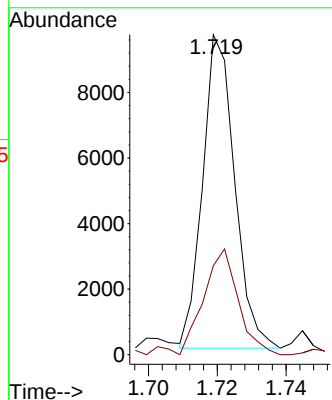
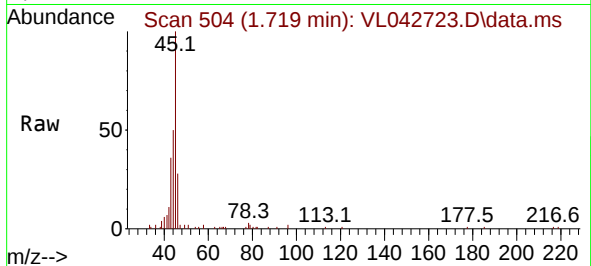




#13
Ethanol
Concen: 5.894 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

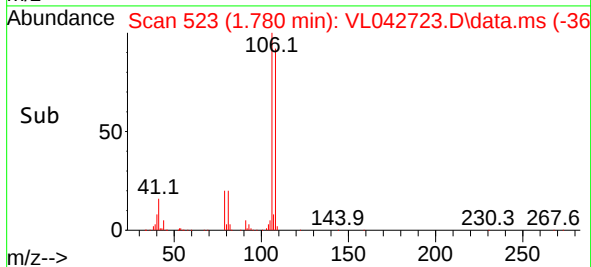
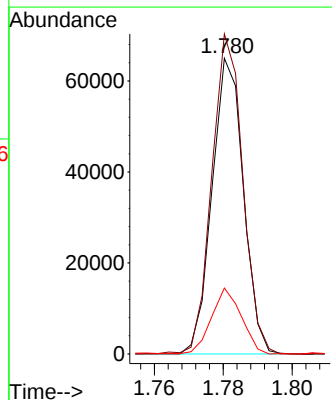
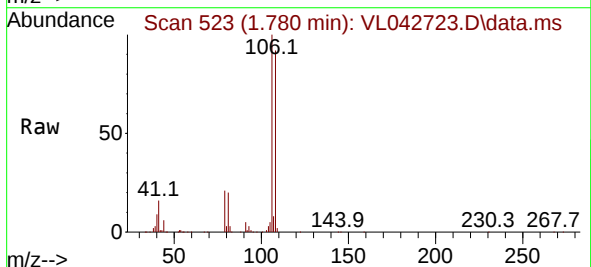
Instrument :
MSVOA_L
ClientSampleId :

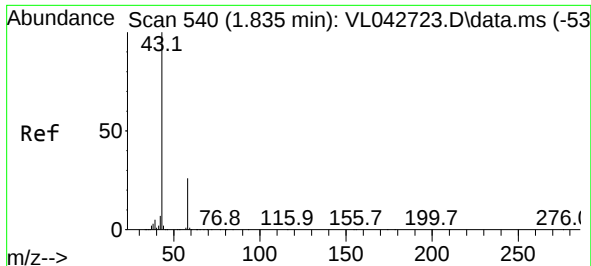
Tgt Ion: 45 Resp: 6172
Ion Ratio Lower Upper
45 100
46 38.5 16.3 65.1



#14
Bromoethene
Concen: 8.847 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 108 Resp: 41089
Ion Ratio Lower Upper
108 100
106 106.7 85.4 128.0
79 22.2 17.4 26.2

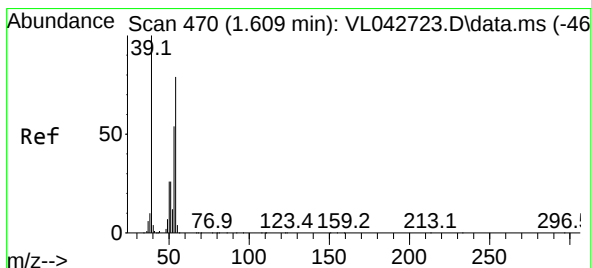
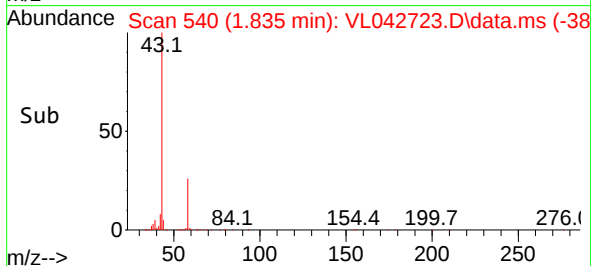
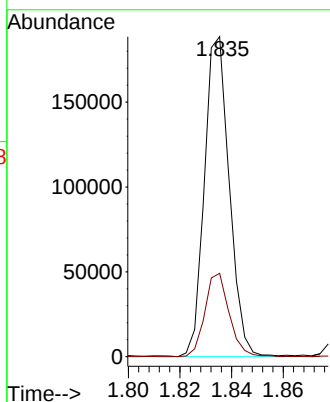
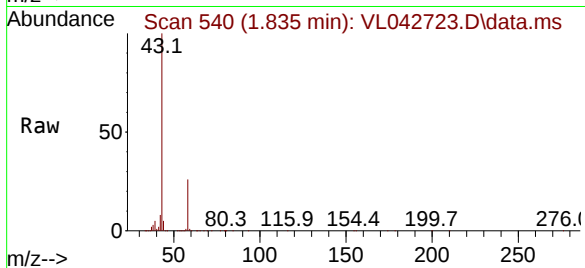




#15
Acetone
Concen: 7.274 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

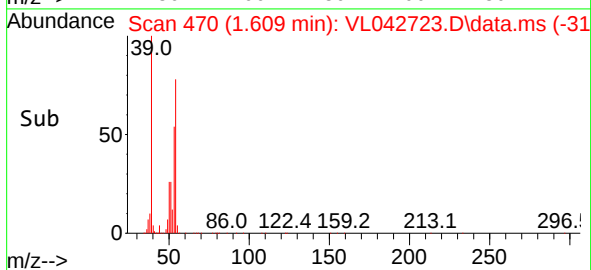
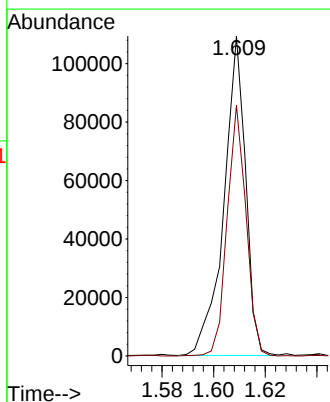
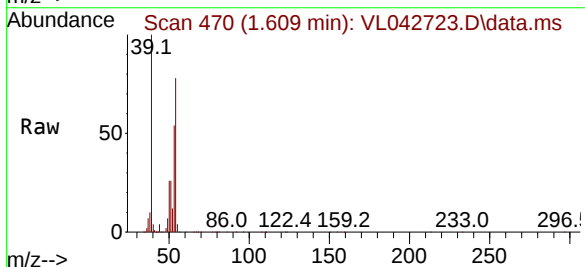
Instrument :
MSVOA_L
ClientSampleId :

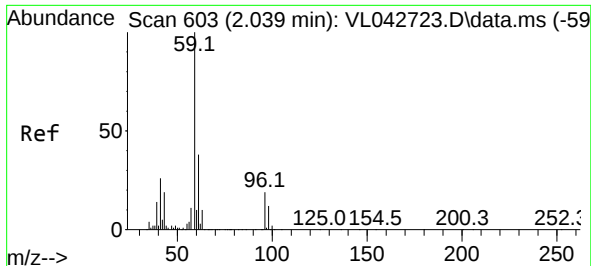
Tgt Ion: 43 Resp: 126212
Ion Ratio Lower Upper
43 100
58 25.6 20.5 30.7



#16
1,3-Butadiene
Concen: 8.611 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 39 Resp: 63985
Ion Ratio Lower Upper
39 100
54 68.3 54.6 82.0

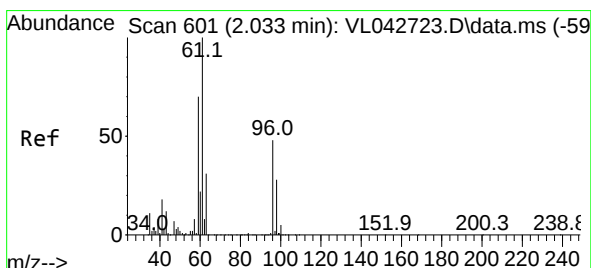
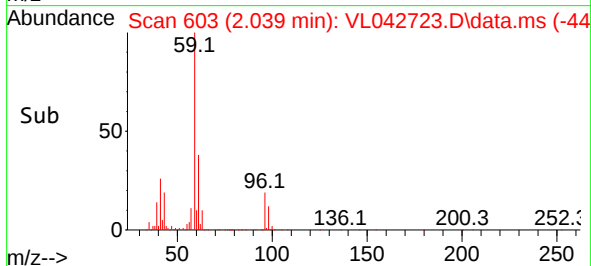
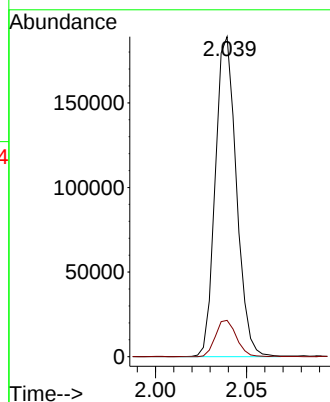
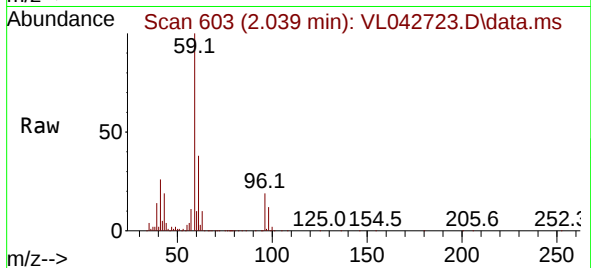




#17
 tert-Butyl alcohol
 Concen: 9.206 ppbv
 RT: 2.039 min Scan# 603
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

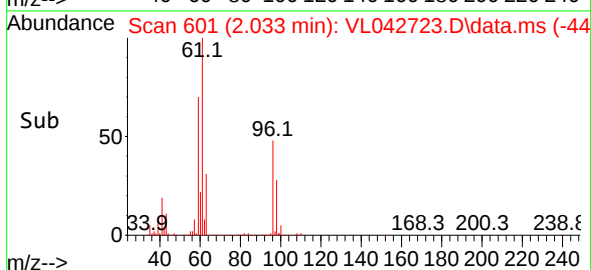
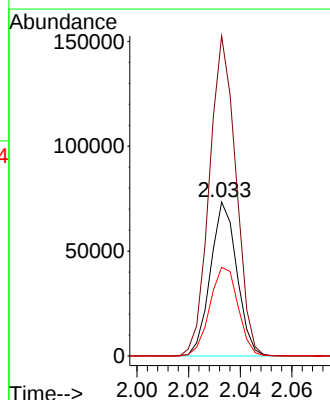
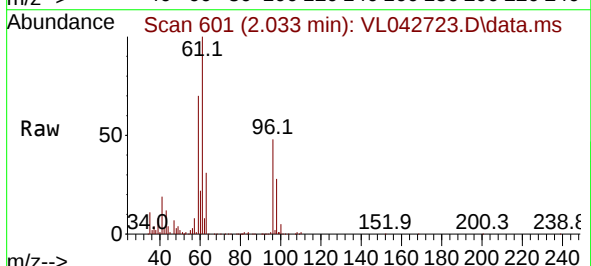
Instrument :
 MSVOA_L
 ClientSampleId :

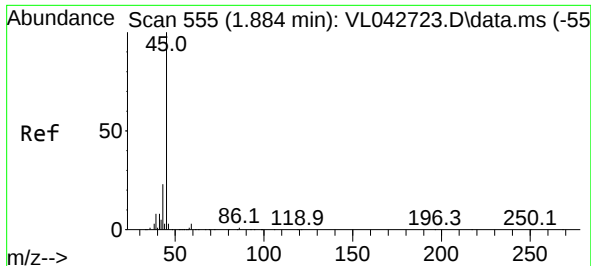
Tgt Ion: 59 Resp: 151668
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.1 13.7



#18
 1,1-Dichloroethene
 Concen: 9.404 ppbv
 RT: 2.033 min Scan# 601
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 96 Resp: 52093
 Ion Ratio Lower Upper
 96 100
 61 207.8 166.2 249.4
 98 57.6 46.1 69.1





#19

Isopropyl Alcohol

Concen: 9.171 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

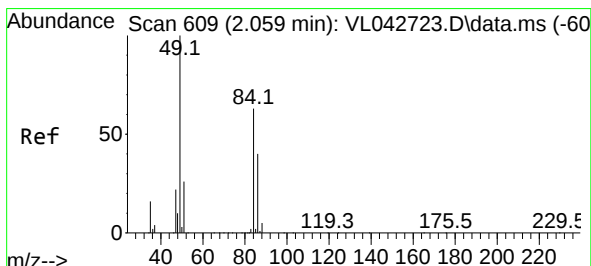
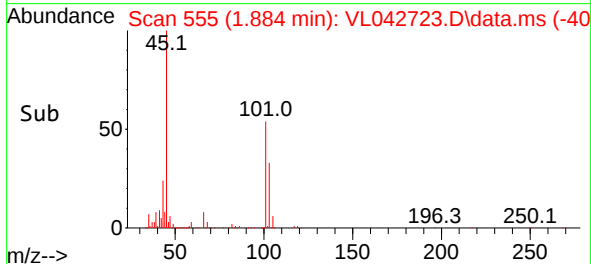
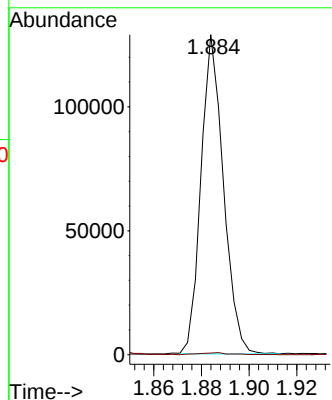
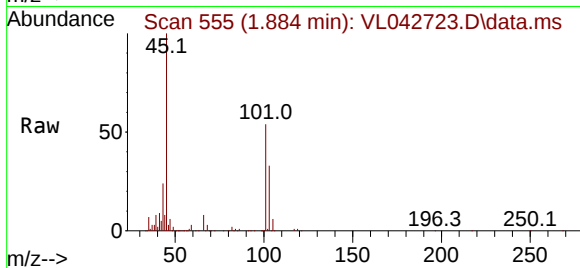
ClientSampleId :

Tgt Ion: 45 Resp: 84334

Ion Ratio Lower Upper

45 100

58 38.3 30.6 46.0



#20

Methylene Chloride

Concen: 8.033 ppbv

RT: 2.059 min Scan# 609

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Tgt Ion: 84 Resp: 43816

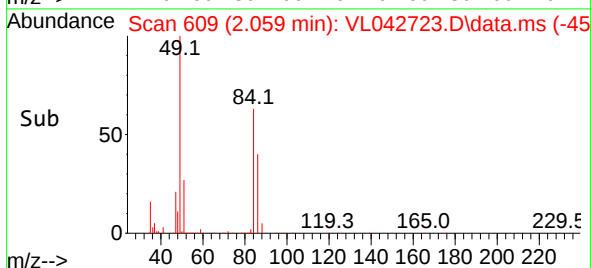
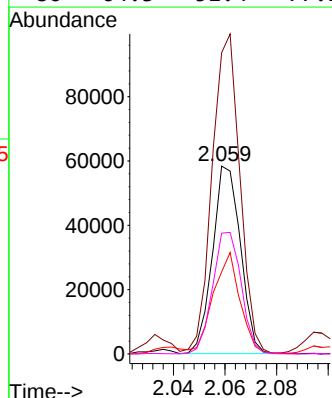
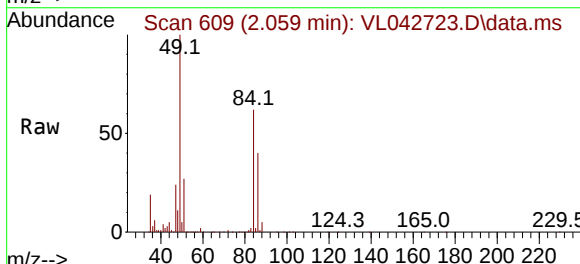
Ion Ratio Lower Upper

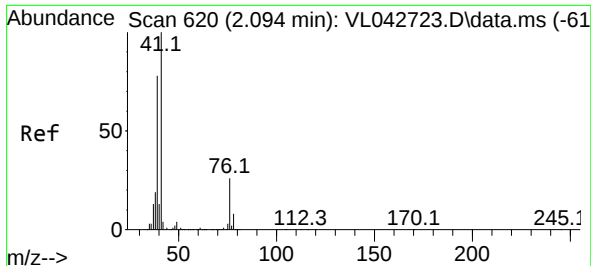
84 100

49 160.3 128.2 192.4

51 43.1 34.5 51.7

86 64.3 51.4 77.2





#21

Allyl Chloride

Concen: 9.241 ppbv

RT: 2.094 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

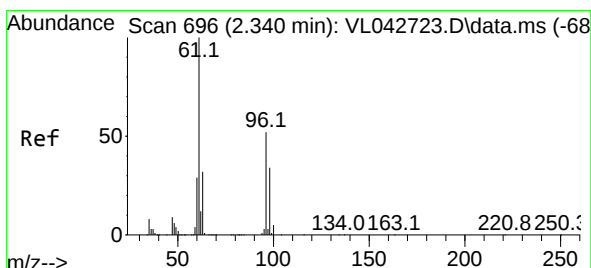
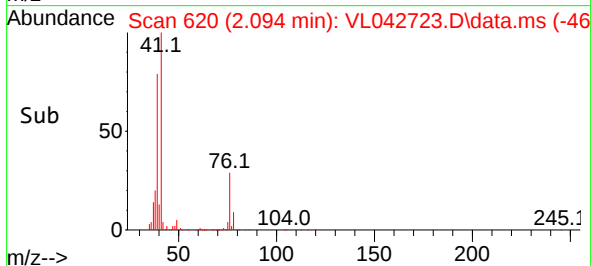
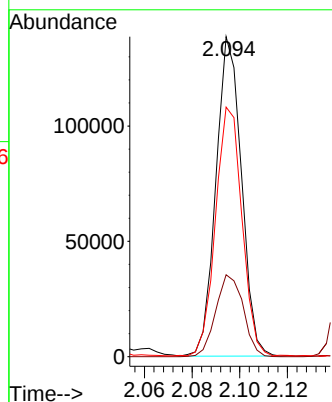
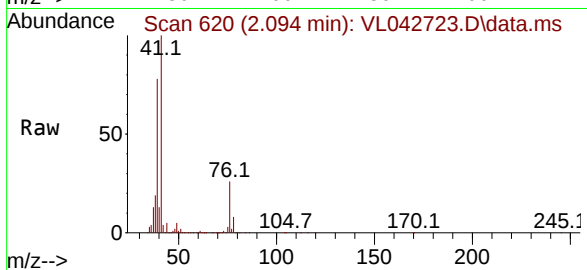
Tgt Ion: 41 Resp: 102783

Ion Ratio Lower Upper

41 100

76 27.6 22.1 33.1

39 80.9 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 8.871 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

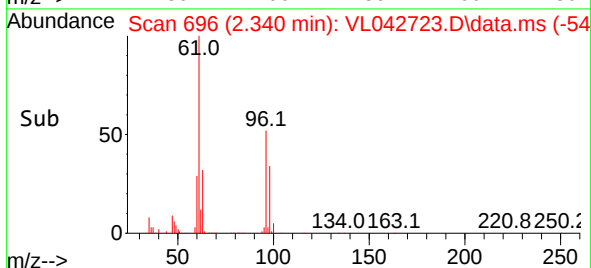
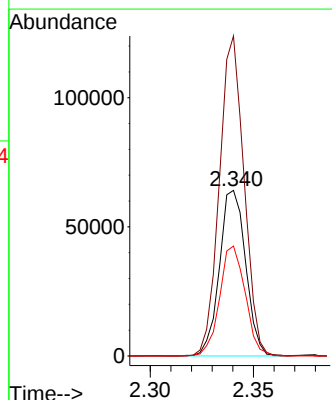
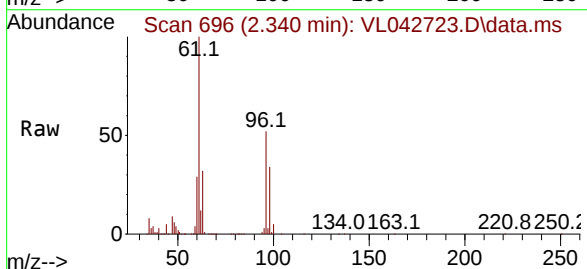
Tgt Ion: 96 Resp: 56551

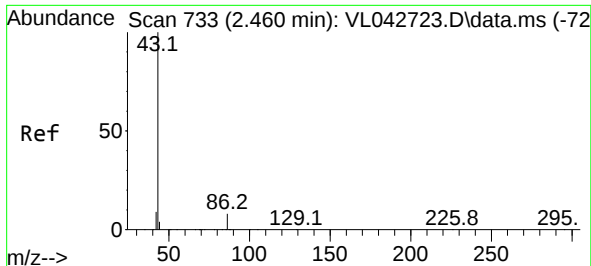
Ion Ratio Lower Upper

96 100

61 193.3 154.6 232.0

98 66.4 53.1 79.7



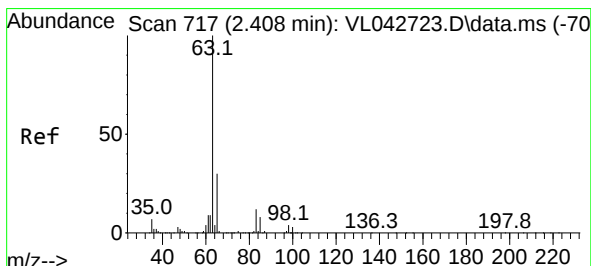
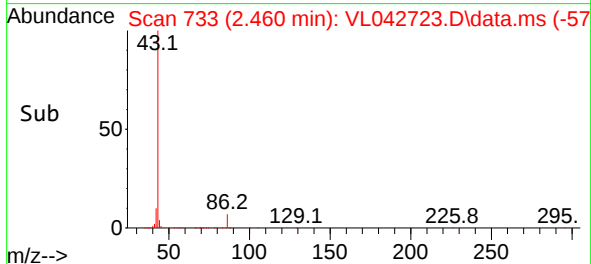
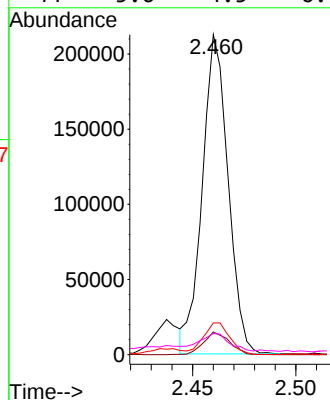
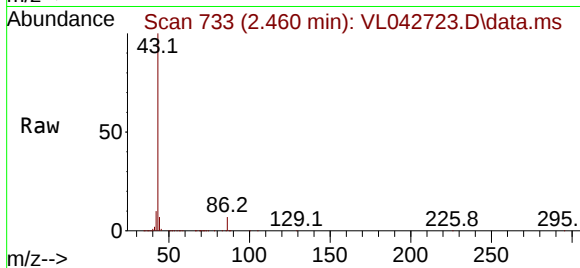


#23
 Vinyl Acetate
 Concen: 9.303 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 184024

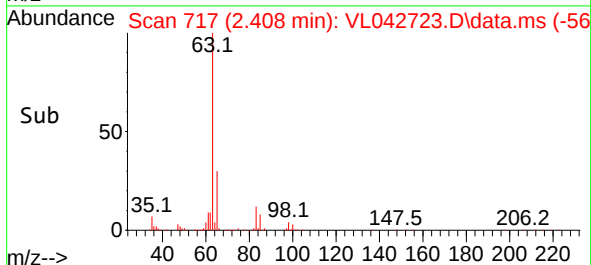
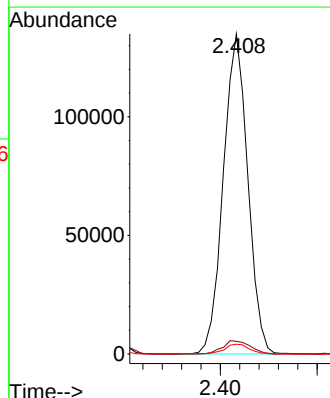
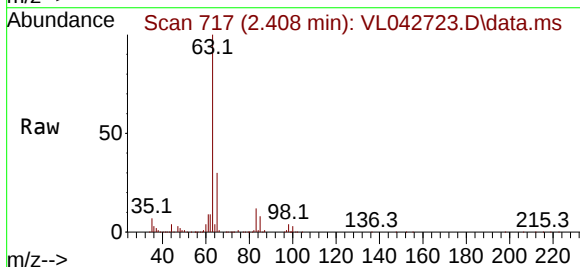
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.7	8.5
42	9.9	7.9	11.9
44	5.6	4.5	6.7

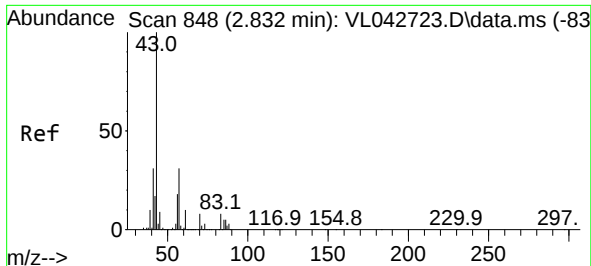


#24
 1,1-Dichloroethane
 Concen: 9.302 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 63 Resp: 118220

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	5.8
100	3.1	1.6	4.7



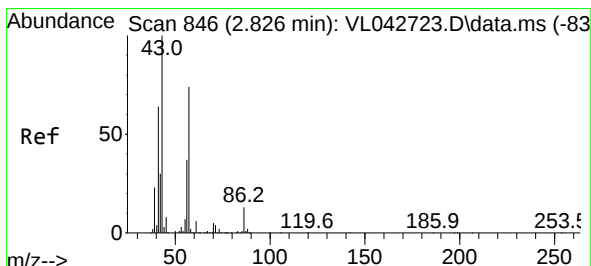
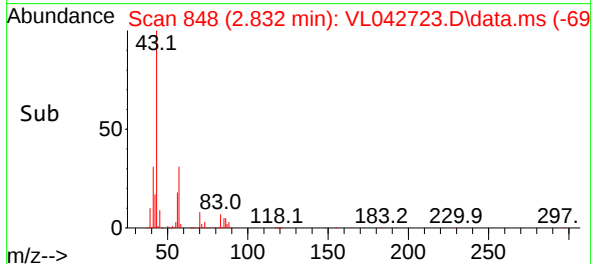
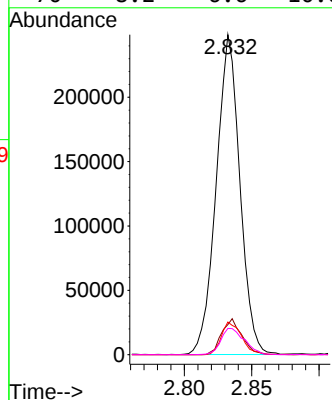
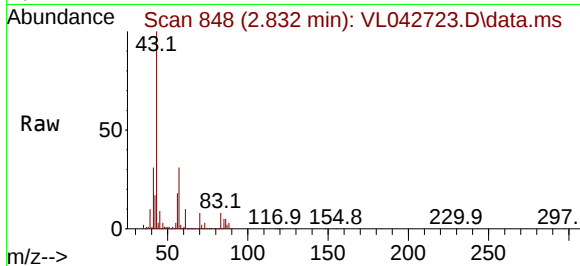


#25
Ethyl Acetate
Concen: 9.487 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 303752

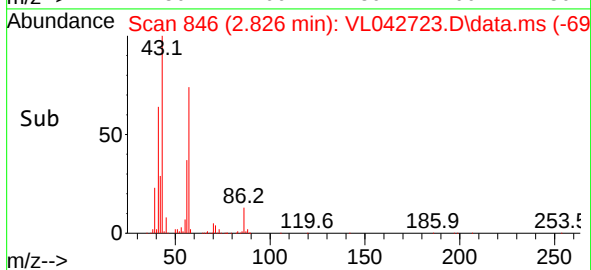
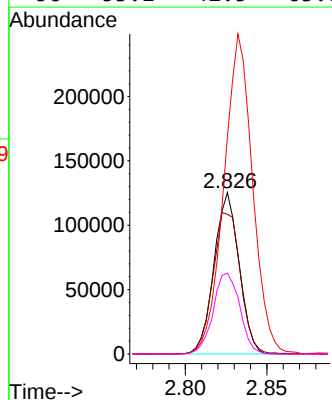
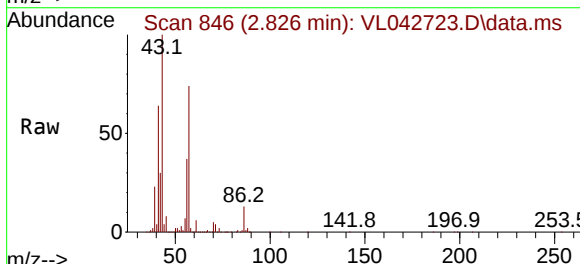
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.9	7.0	10.6
70	8.2	6.6	10.0

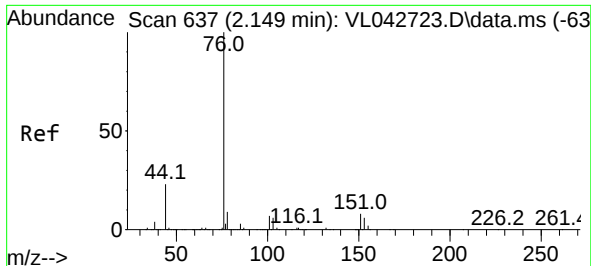


#26
Hexane
Concen: 9.532 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 57 Resp: 133894

Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.3	115.9
43	226.7	182.3	273.5
56	53.1	42.5	63.7





#27

Carbon Disulfide

Concen: 9.515 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

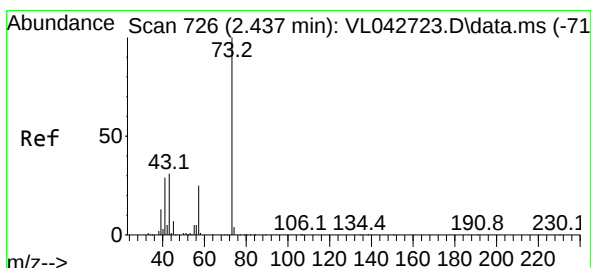
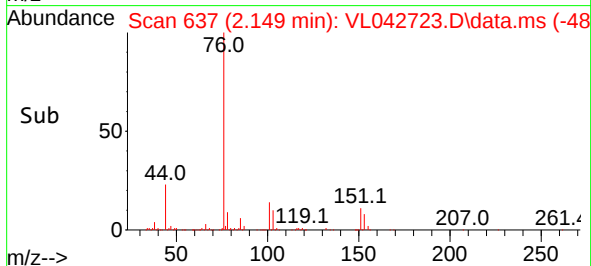
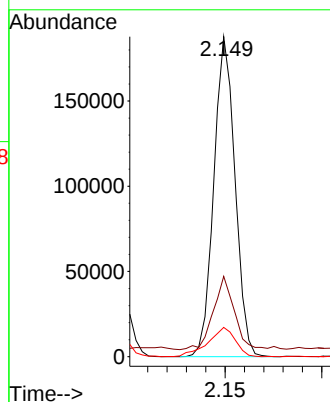
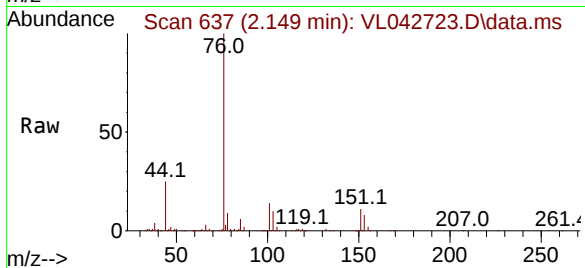
Tgt Ion: 76 Resp: 142744

Ion Ratio Lower Upper

76 100

44 23.5 18.8 28.2

78 11.9 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 8.769 ppbv

RT: 2.437 min Scan# 726

Delta R.T. 0.000 min

Lab File: VL042723.D

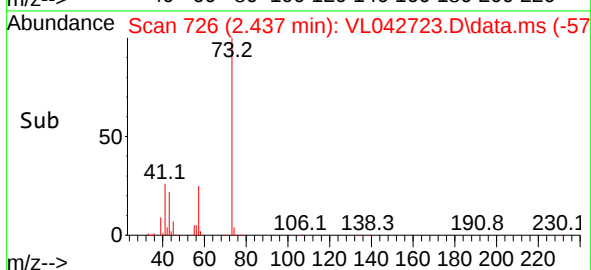
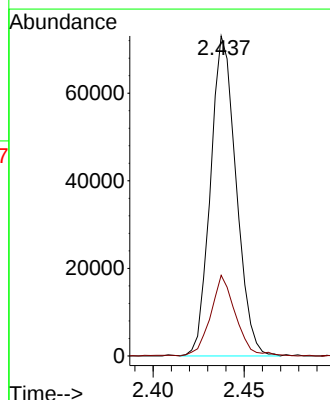
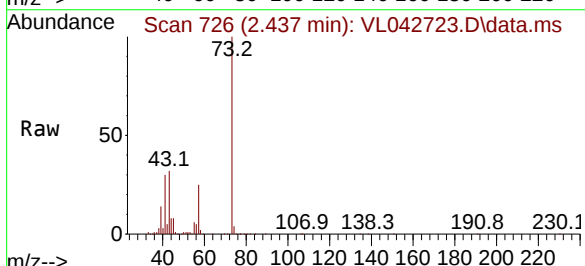
Acq: 22 Jul 2025 08:55

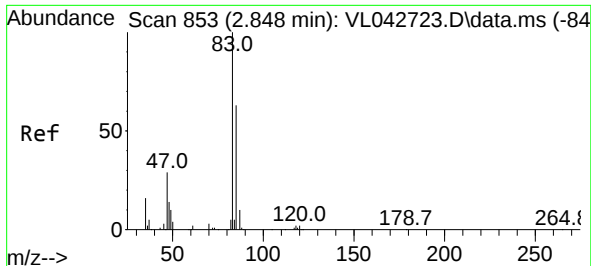
Tgt Ion: 73 Resp: 71602

Ion Ratio Lower Upper

73 100

57 24.8 19.8 29.8





#29

Chloroform

Concen: 9.098 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

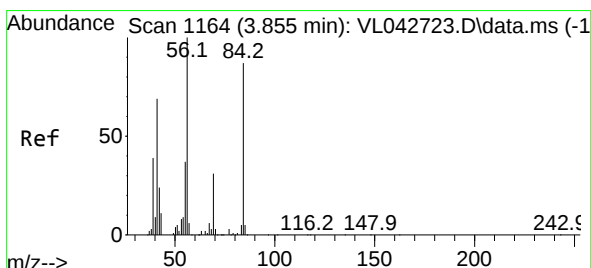
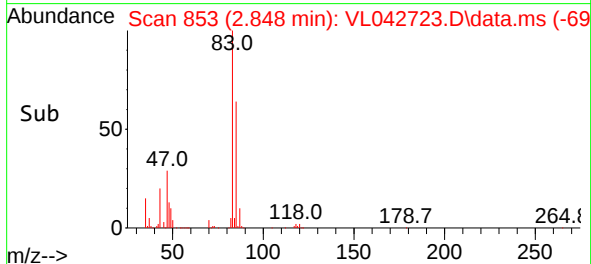
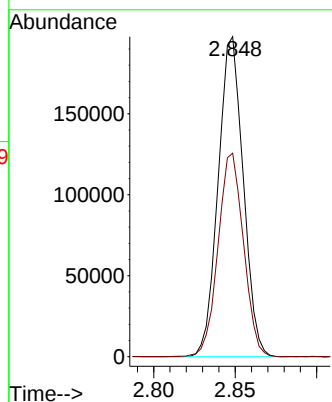
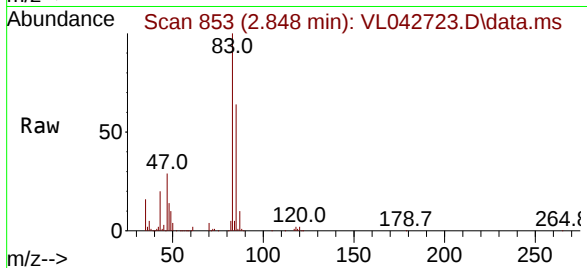
ClientSampleId :

Tgt Ion: 83 Resp: 211013

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3



#30

Cyclohexane

Concen: 9.715 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

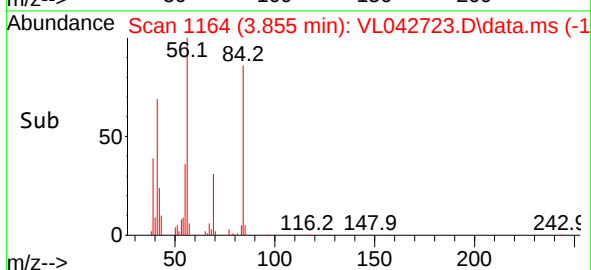
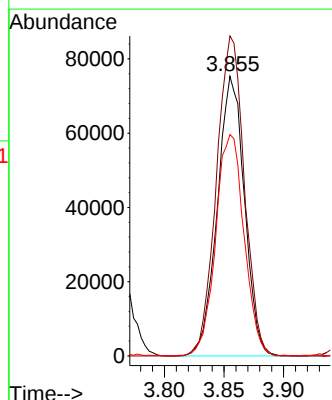
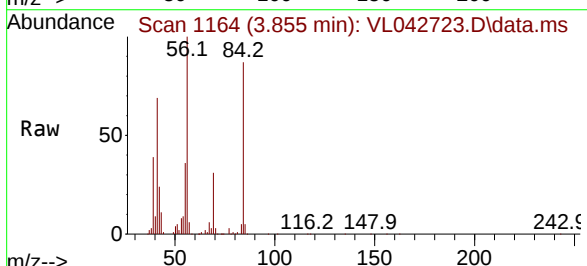
Tgt Ion: 84 Resp: 119069

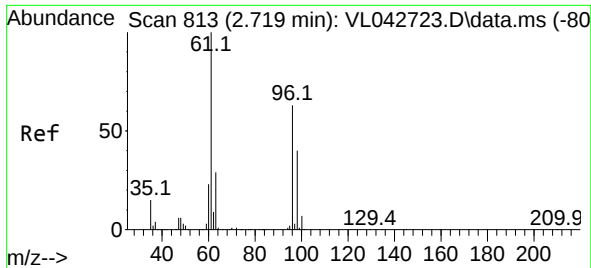
Ion Ratio Lower Upper

84 100

56 117.8 94.2 141.4

41 82.4 66.4 99.6

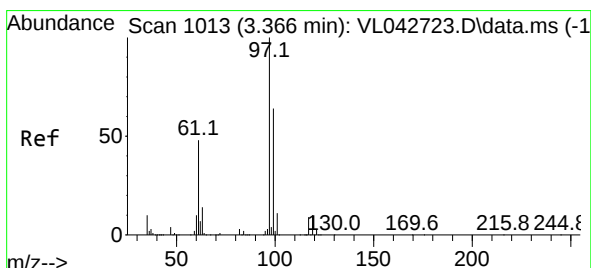
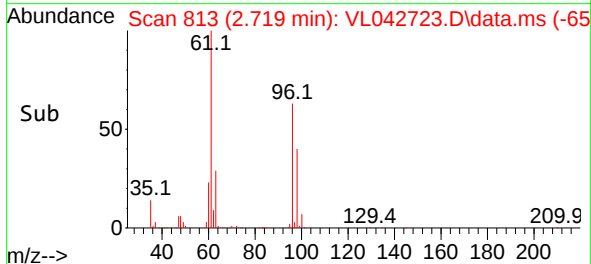
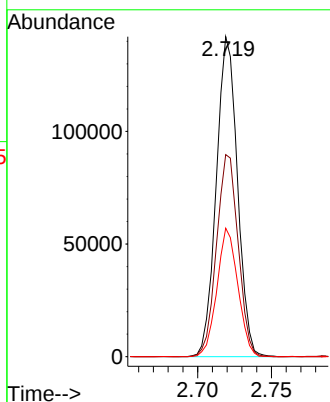
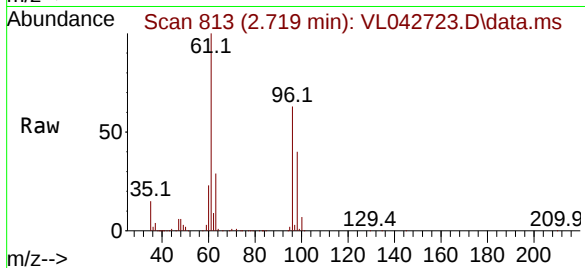




#31
 cis-1,2-Dichloroethene
 Concen: 9.386 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

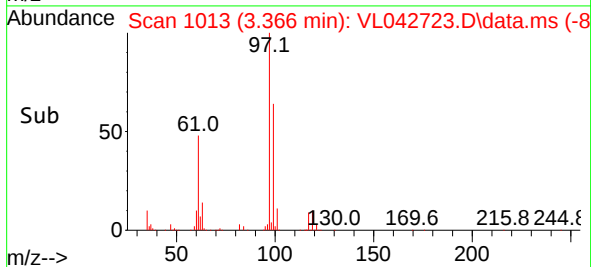
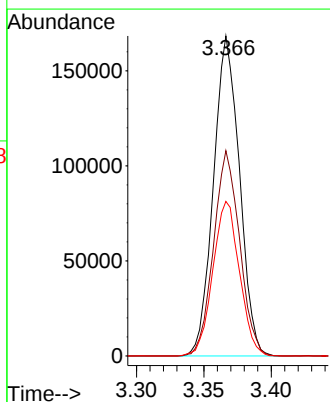
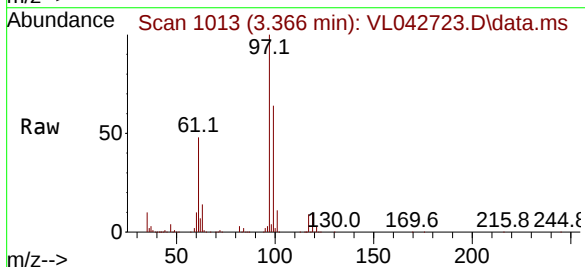
Instrument :
 MSVOA_L
 ClientSampleId :

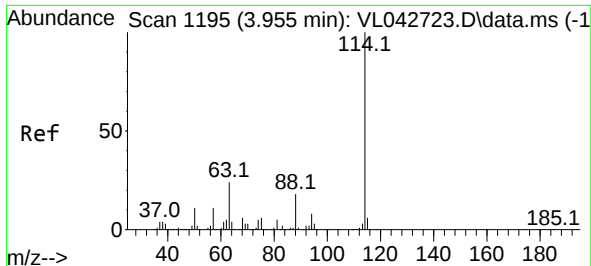
Tgt Ion: 61 Resp: 141958
 Ion Ratio Lower Upper
 61 100
 96 63.2 50.6 75.8
 98 40.2 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 9.258 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 97 Resp: 226089
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.0
 61 49.5 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

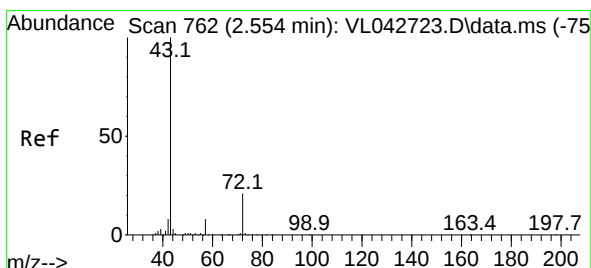
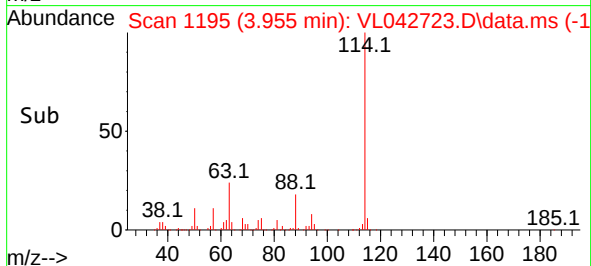
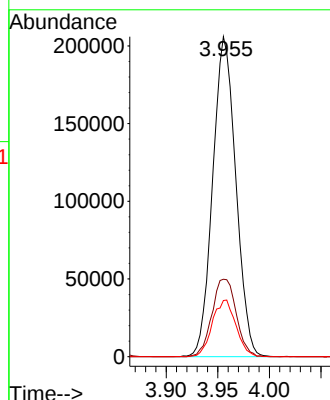
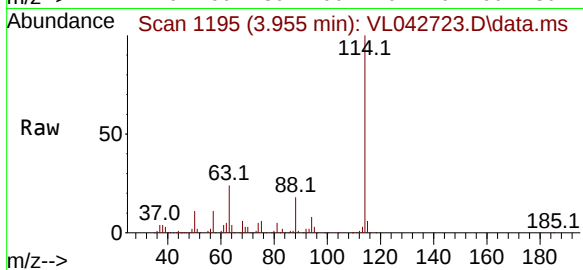
Tgt Ion:114 Resp: 320455

Ion Ratio Lower Upper

114 100

63 25.5 20.4 30.6

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 9.146 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042723.D

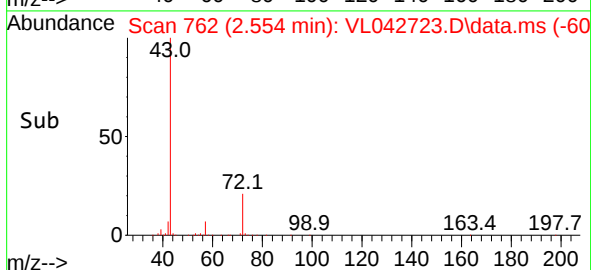
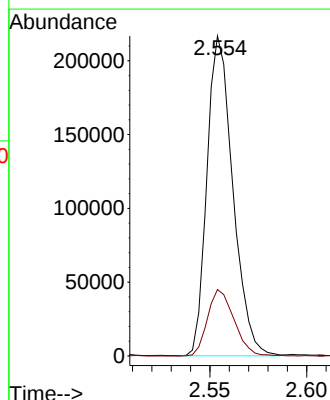
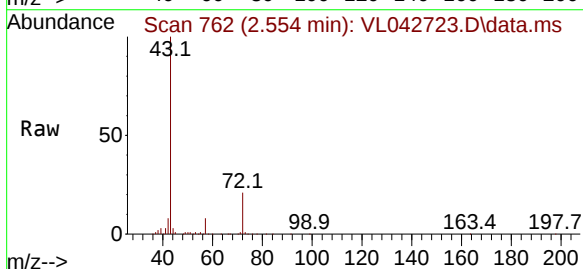
Acq: 22 Jul 2025 08:55

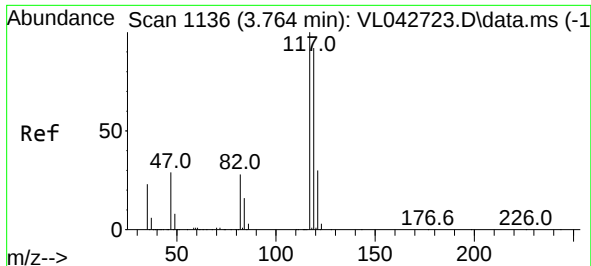
Tgt Ion: 43 Resp: 201816

Ion Ratio Lower Upper

43 100

72 21.3 17.0 25.6

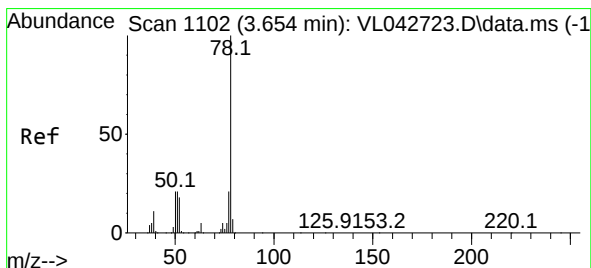
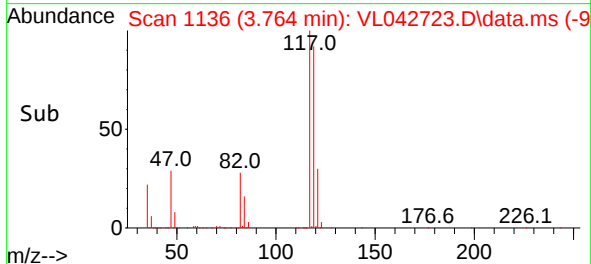
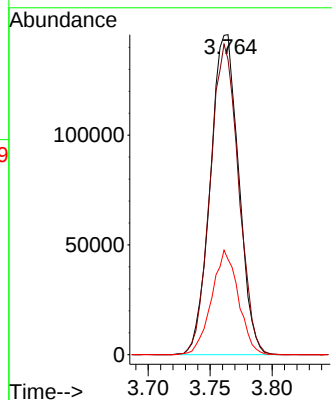
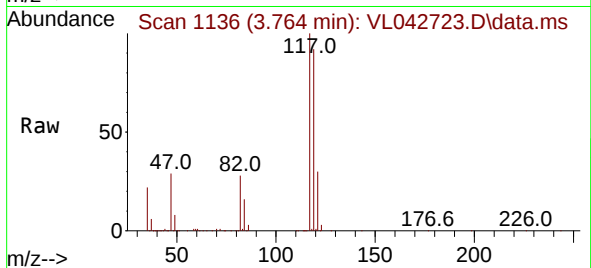




#35
Carbon Tetrachloride
Concen: 8.838 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

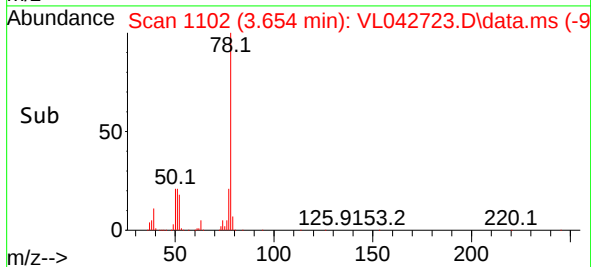
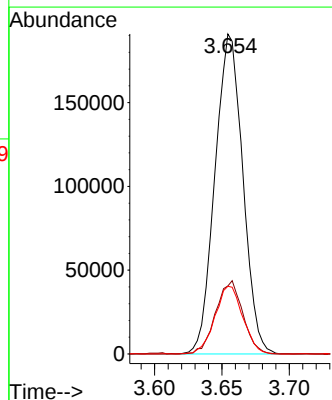
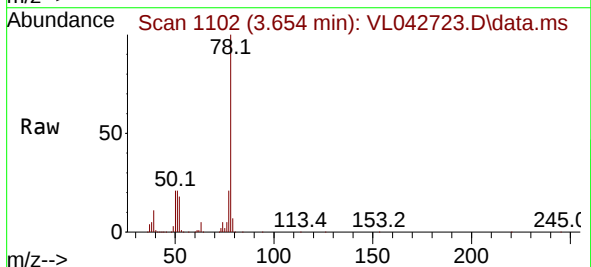
Instrument :
MSVOA_L
ClientSampleId :

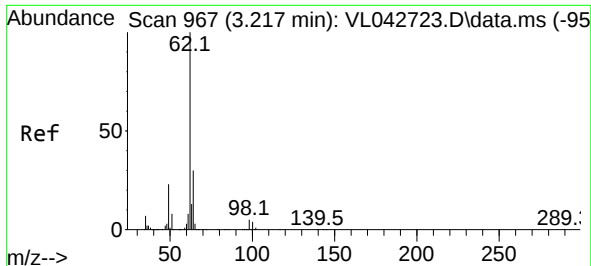
Tgt Ion:117 Resp: 232054
Ion Ratio Lower Upper
117 100
119 92.1 73.7 110.5
121 29.8 23.8 35.8



#36
Benzene
Concen: 9.229 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 78 Resp: 274769
Ion Ratio Lower Upper
78 100
77 21.2 17.0 25.4
50 21.1 16.9 25.3





#37

1,2-Dichloroethane

Concen: 9.137 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

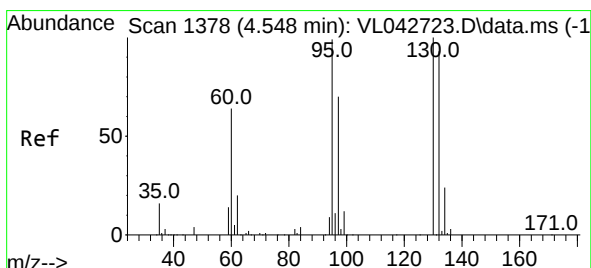
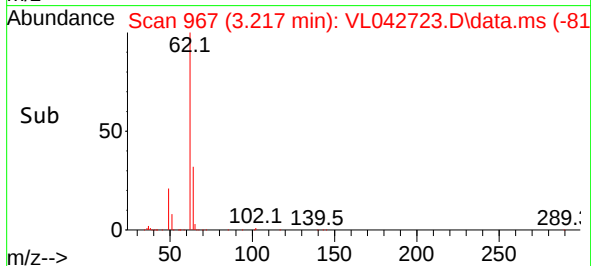
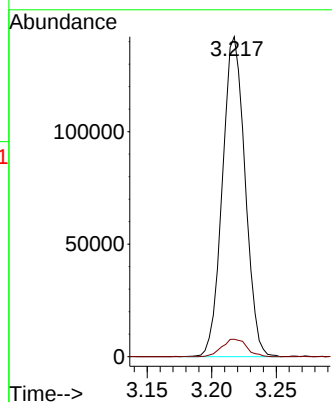
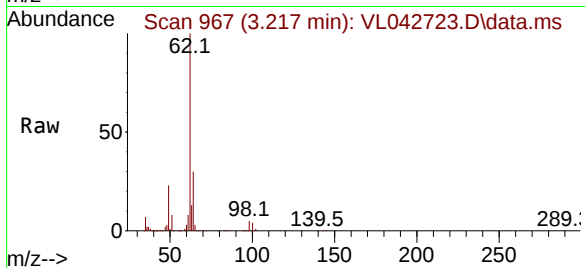
ClientSampleId :

Tgt Ion: 62 Resp: 173509

Ion Ratio Lower Upper

62 100

98 6.0 4.8 7.2



#38

Trichloroethene

Concen: 8.783 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Tgt Ion:130 Resp: 127306

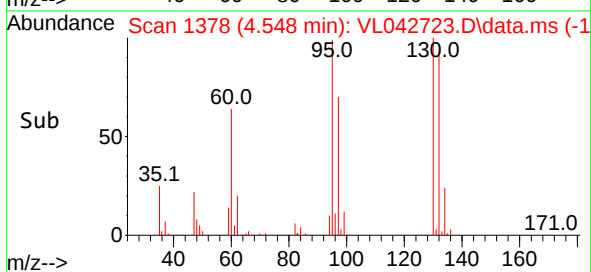
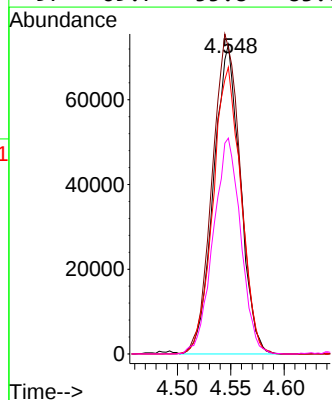
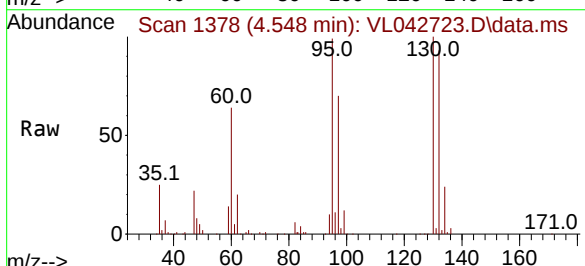
Ion Ratio Lower Upper

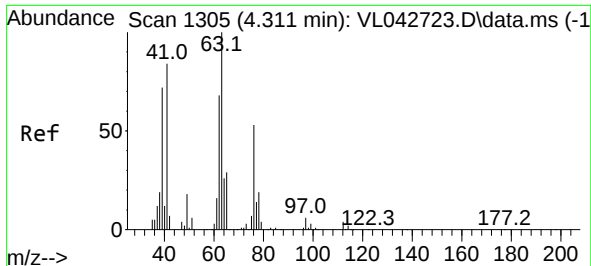
130 100

95 99.0 79.2 118.8

132 92.6 74.1 111.1

97 69.7 55.8 83.6





#39

1,2-Dichloropropane

Concen: 8.858 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

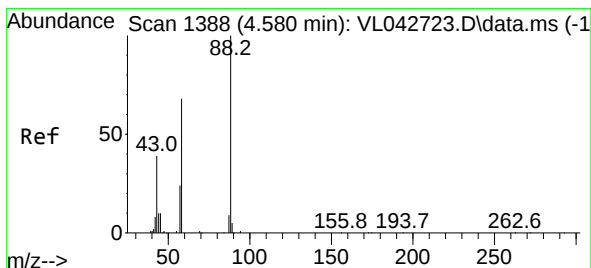
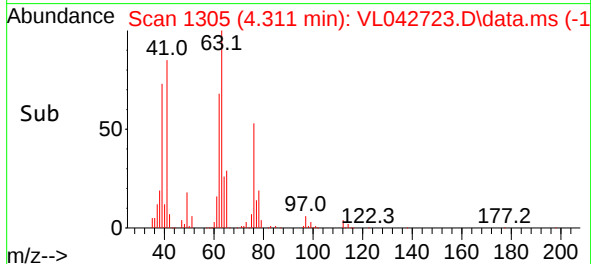
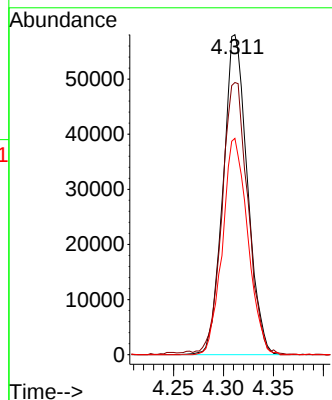
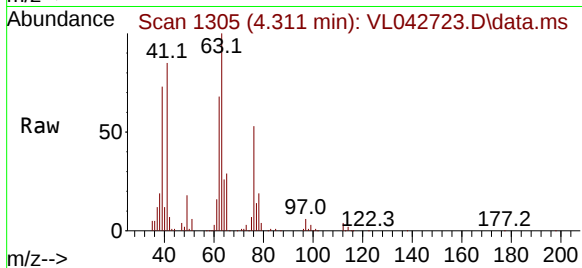
Tgt Ion: 63 Resp: 98188

Ion Ratio Lower Upper

63 100

41 84.6 67.7 101.5

62 67.6 54.1 81.1



#40

1,4-Dioxane

Concen: 8.762 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Tgt Ion: 88 Resp: 44753

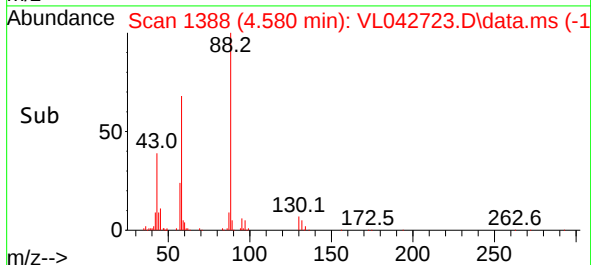
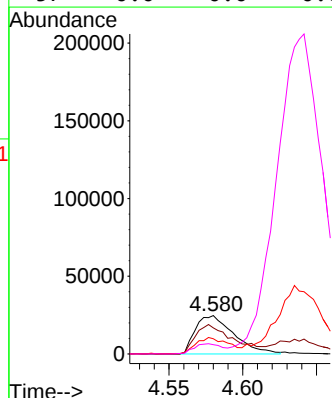
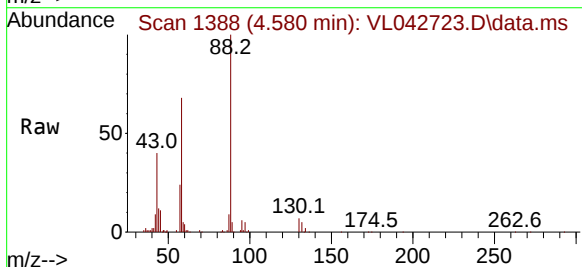
Ion Ratio Lower Upper

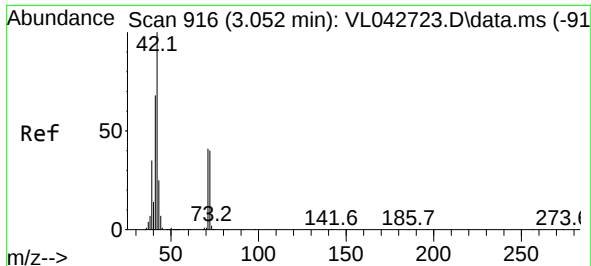
88 100

58 77.0 59.8 89.8

43 36.3 32.6 48.8

57 0.0 0.0 0.0

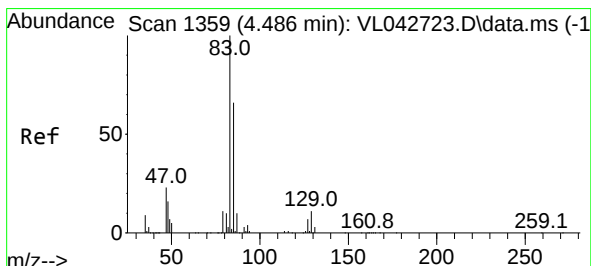
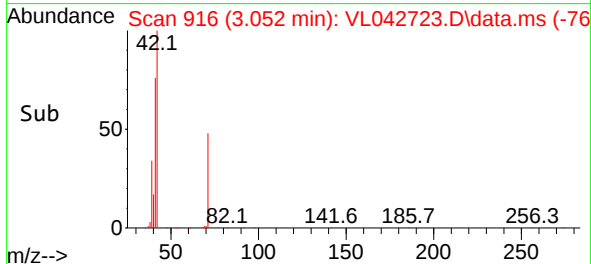
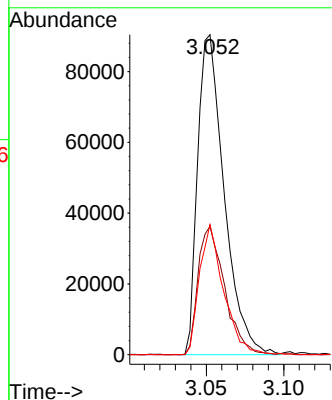
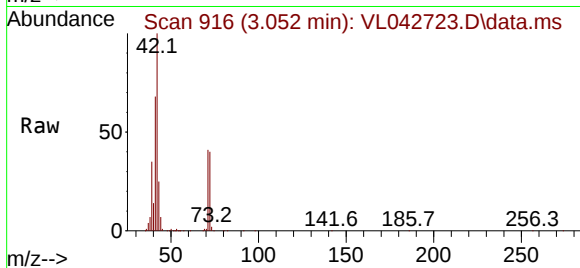




#41
Tetrahydrofuran
Concen: 9.572 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

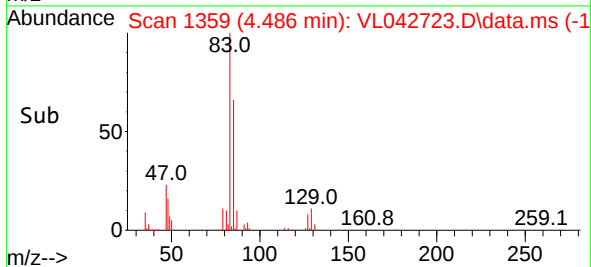
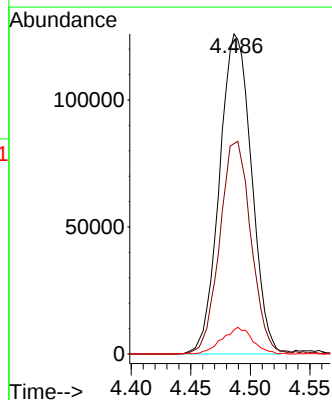
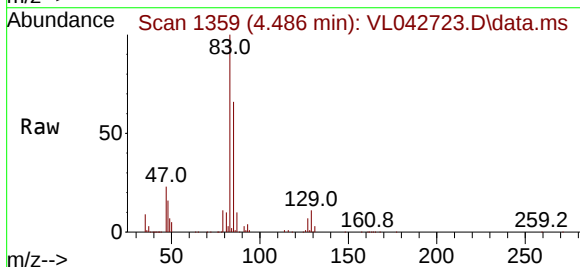
Instrument :
MSVOA_L
ClientSampleId :

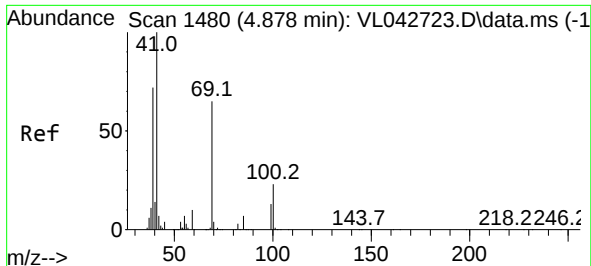
Tgt Ion: 42 Resp: 107955
Ion Ratio Lower Upper
42 100
72 40.2 32.2 48.2
71 37.2 29.8 44.6



#42
Bromodichloromethane
Concen: 9.466 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 83 Resp: 235255
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8
127 7.5 6.0 9.0

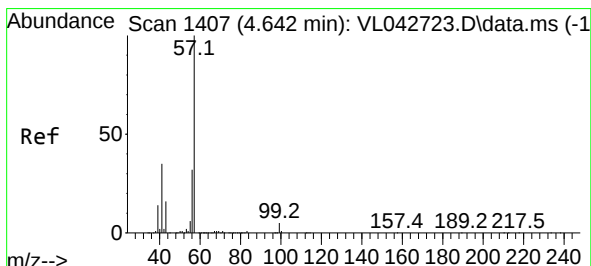
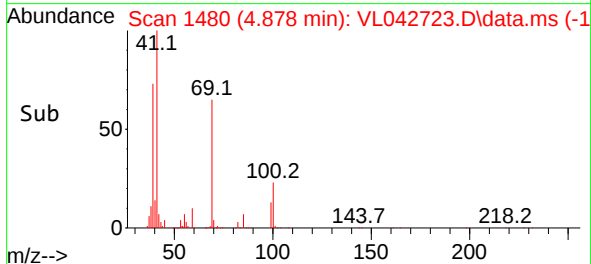
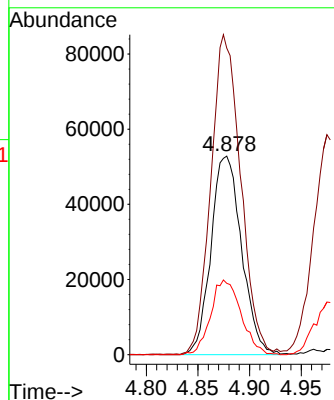
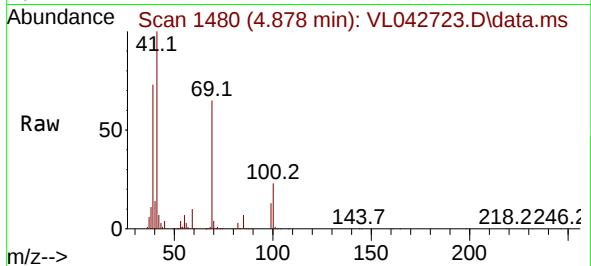




#43
Methyl Methacrylate
Concen: 9.534 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

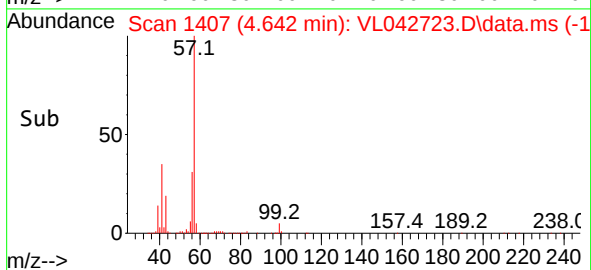
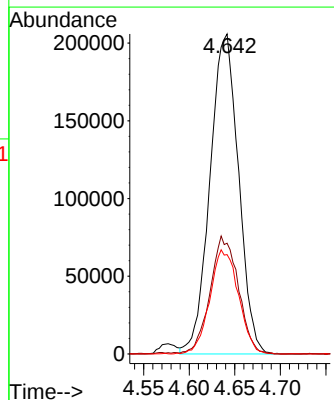
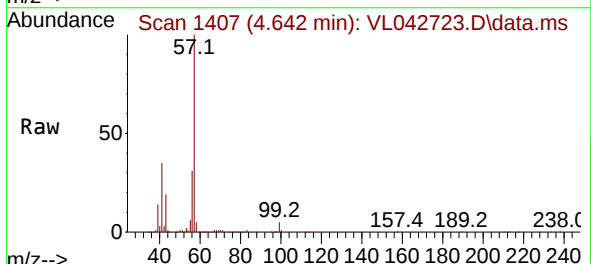
Instrument :
MSVOA_L
ClientSampleId :

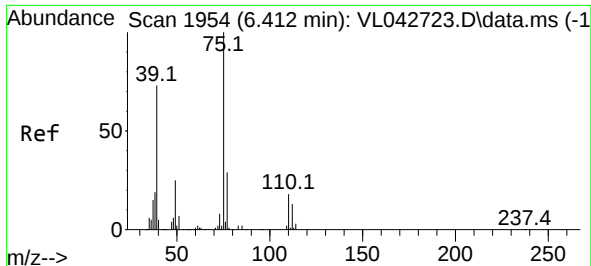
Tgt Ion: 69 Resp: 108863
Ion Ratio Lower Upper
69 100
41 157.0 125.8 188.6
100 37.4 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 9.145 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 57 Resp: 449058
Ion Ratio Lower Upper
57 100
41 36.7 29.4 44.0
56 32.6 26.1 39.1

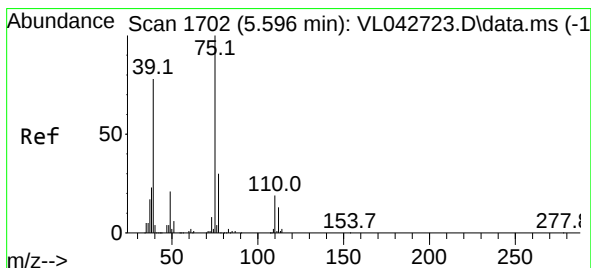
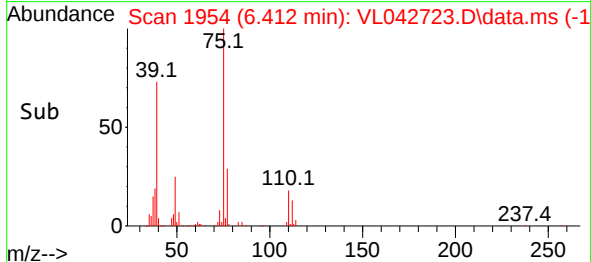
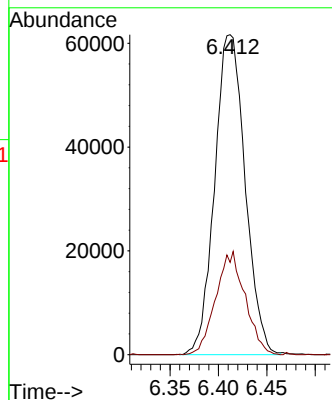
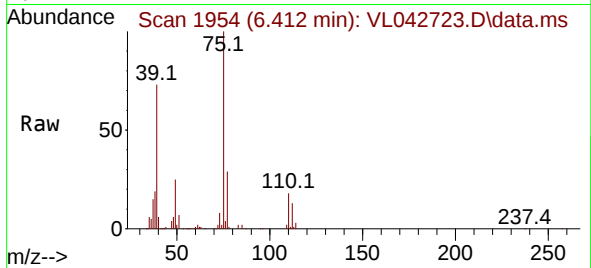




#45
 t-1,3-Dichloropropene
 Concen: 9.625 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

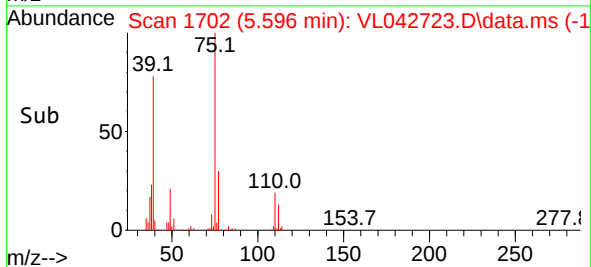
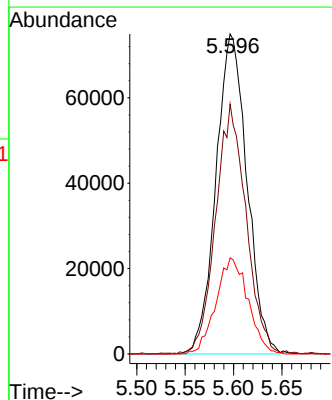
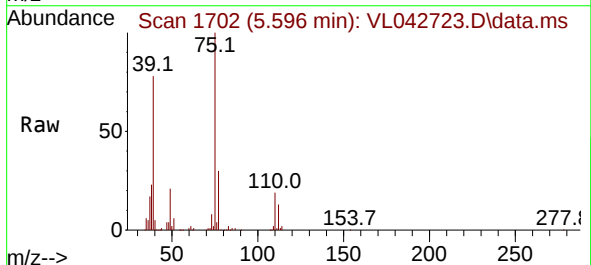
Instrument :
 MSVOA_L
 ClientSampleId :

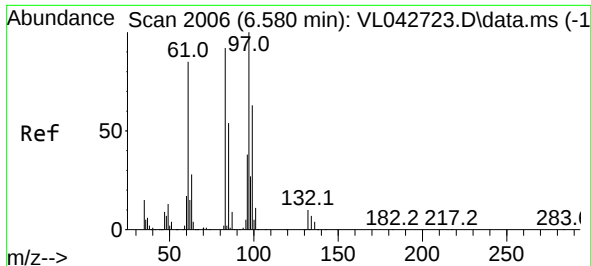
Tgt Ion: 75 Resp: 135146
 Ion Ratio Lower Upper
 75 100
 77 28.8 23.0 34.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.017 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 75 Resp: 167051
 Ion Ratio Lower Upper
 75 100
 39 77.6 62.1 93.1
 77 30.0 24.0 36.0

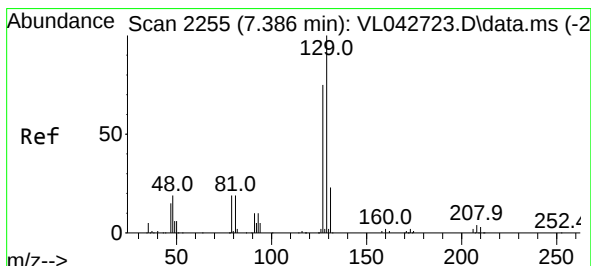
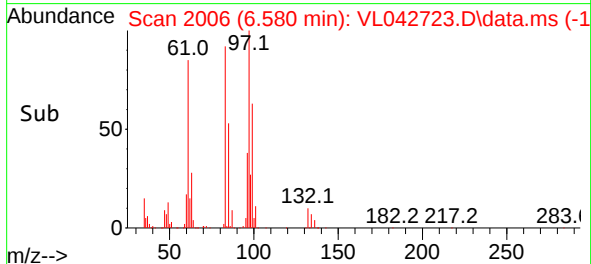
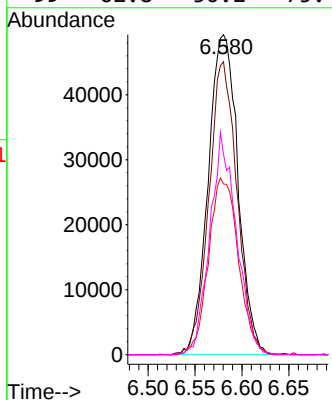
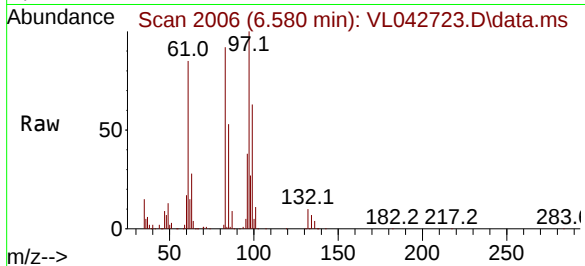




#47
 1,1,2-Trichloroethane
 Concen: 8.927 ppbv
 RT: 6.580 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

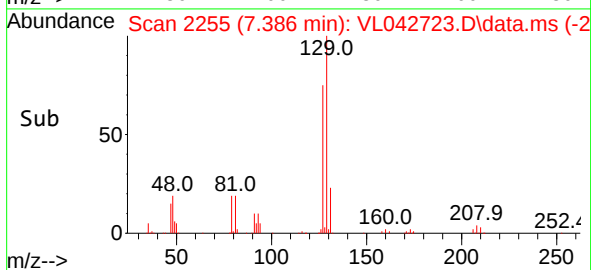
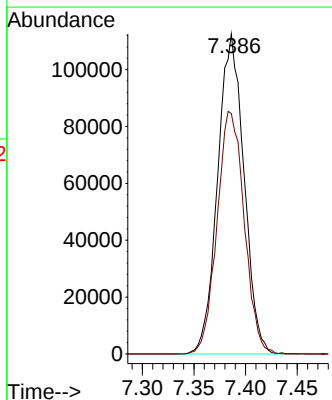
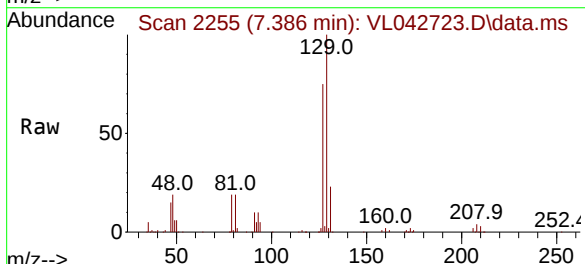
Instrument :
 MSVOA_L
 ClientSampleId :

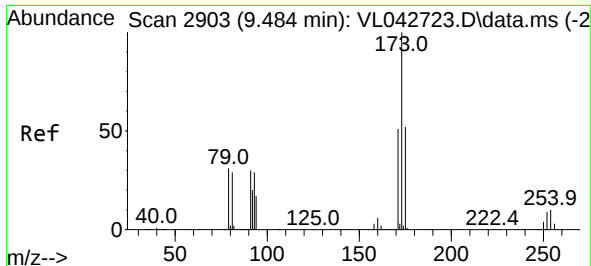
Tgt Ion: 97 Resp: 108420
 Ion Ratio Lower Upper
 97 100
 83 91.5 73.2 109.8
 85 53.4 42.7 64.1
 99 62.8 50.2 75.4



#48
 Dibromochloromethane
 Concen: 9.872 ppbv
 RT: 7.386 min Scan# 2255
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 129 Resp: 199262
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.3

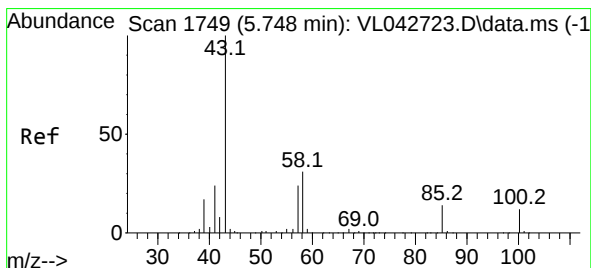
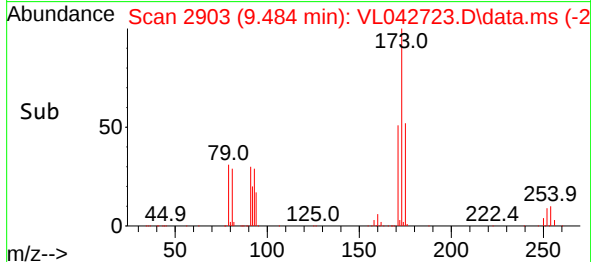
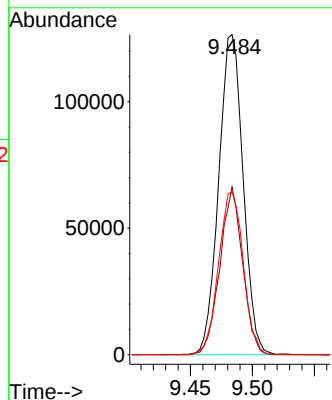
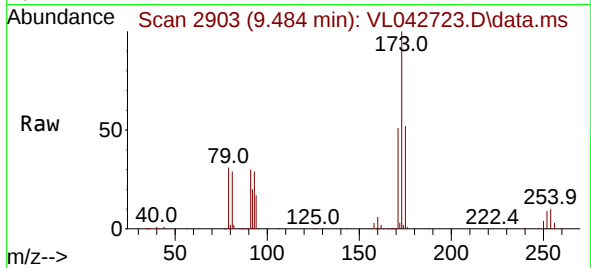




#49
Bromoform
Concen: 9.920 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

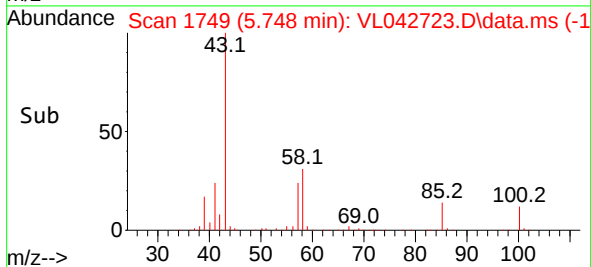
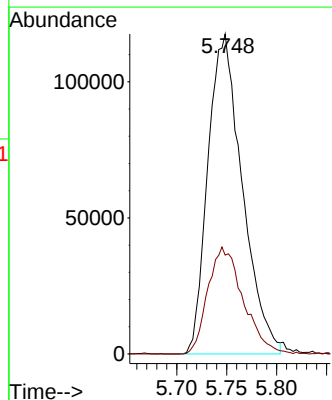
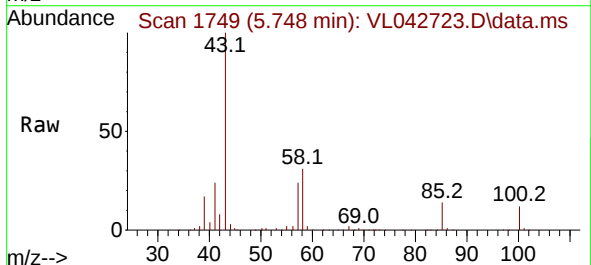
Instrument :
MSVOA_L
ClientSampleId :

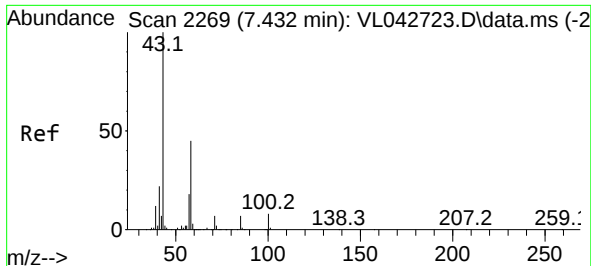
Tgt Ion:173 Resp: 173745
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
171 51.4 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 9.677 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 43 Resp: 280957
Ion Ratio Lower Upper
43 100
58 34.4 27.6 41.4

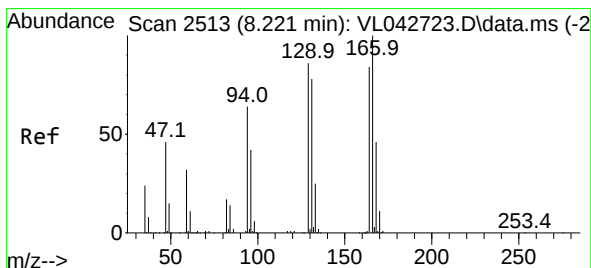
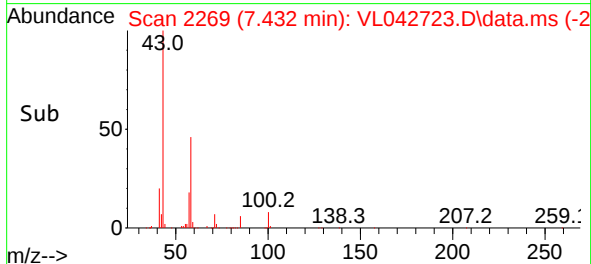
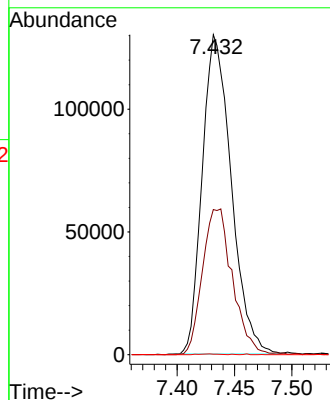
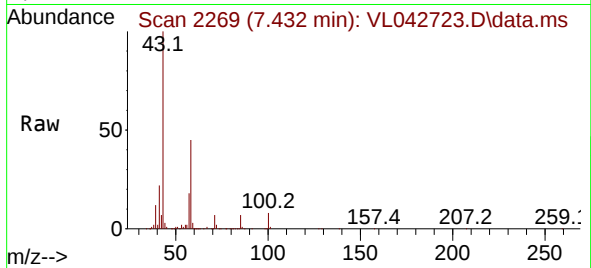




#51
2-Hexanone
Concen: 9.846 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

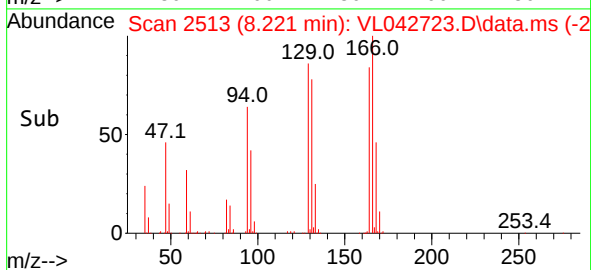
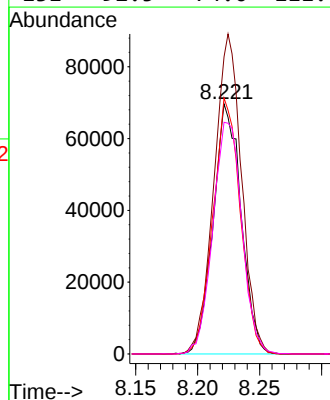
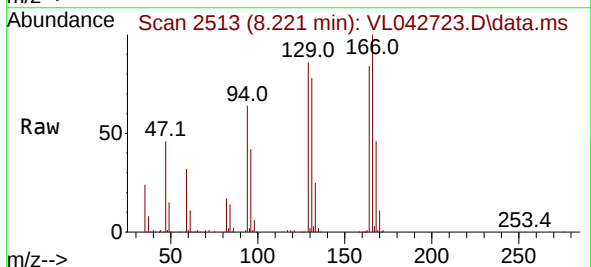
Instrument :
MSVOA_L
ClientSampleId :

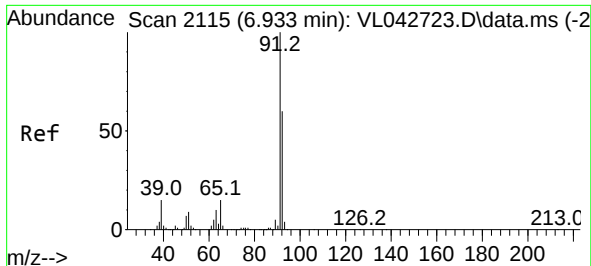
Tgt Ion: 43 Resp: 228706
Ion Ratio Lower Upper
43 100
58 47.4 37.9 56.9
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.126 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 164 Resp: 109482
Ion Ratio Lower Upper
164 100
166 118.9 95.1 142.7
129 102.4 81.9 122.9
131 92.5 74.0 111.0

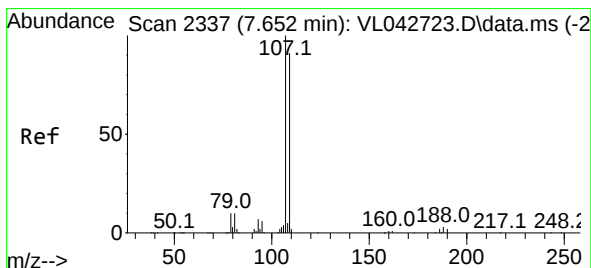
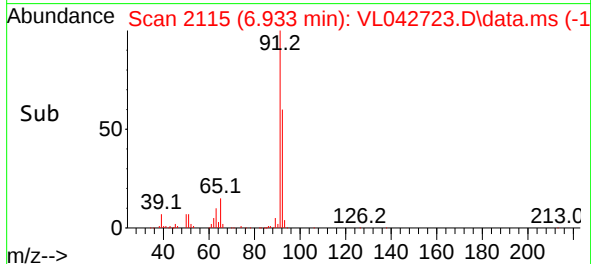
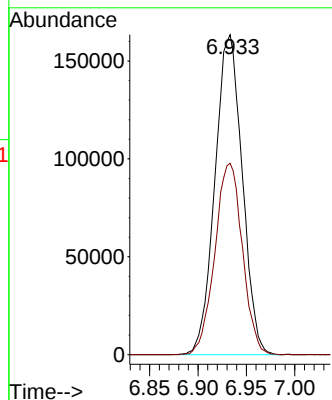
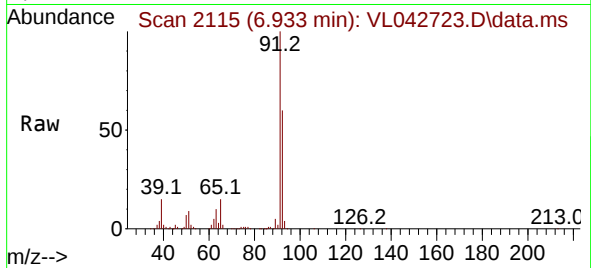




#53
Toluene
Concen: 9.560 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

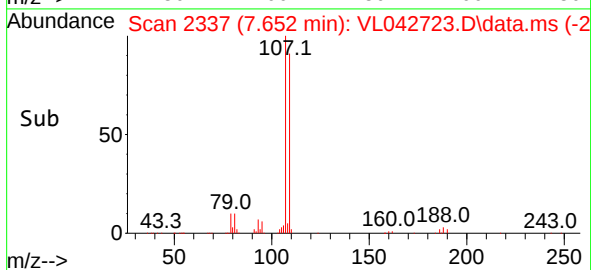
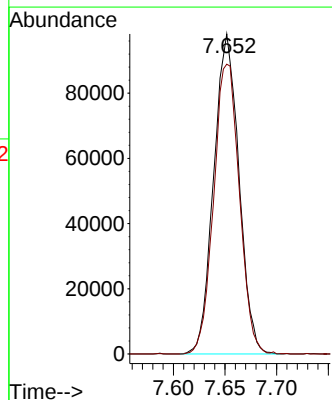
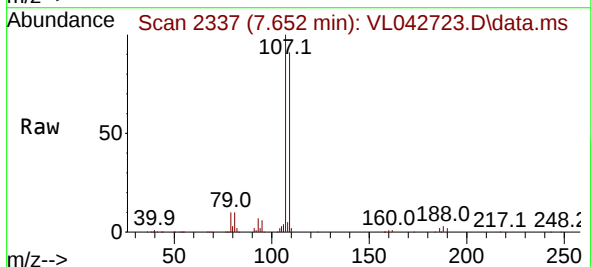
Instrument :
MSVOA_L
ClientSampleId :

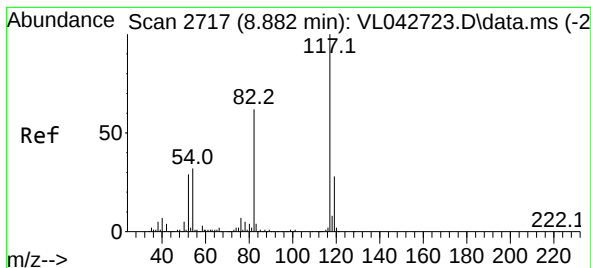
Tgt Ion: 91 Resp: 320906
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.4



#54
1,2-Dibromoethane
Concen: 9.176 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 107 Resp: 166533
Ion Ratio Lower Upper
107 100
109 90.6 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: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

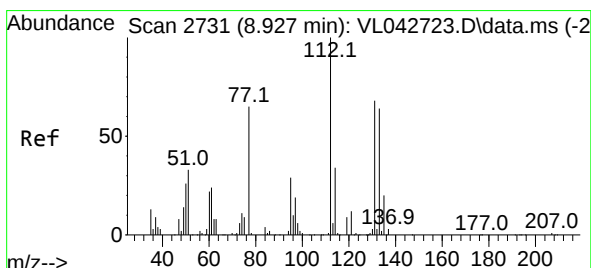
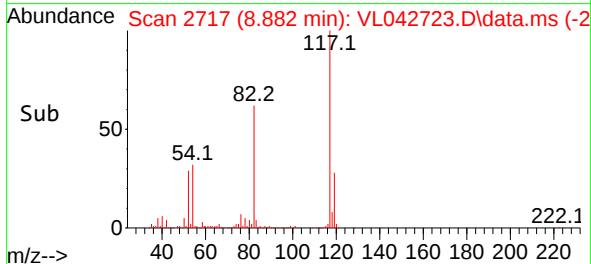
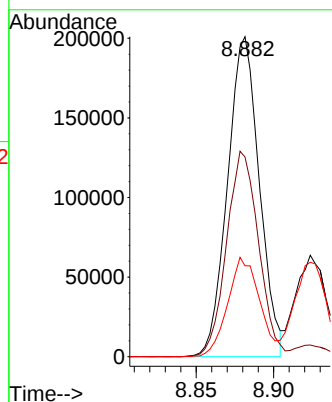
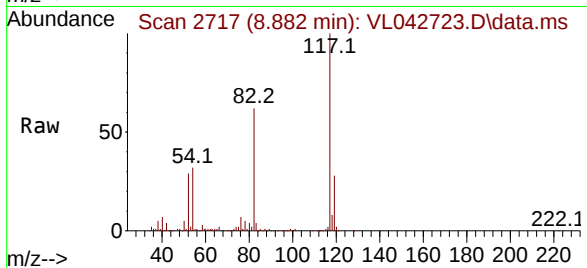
Tgt Ion:117 Resp: 287373

Ion Ratio Lower Upper

117 100

82 68.2 54.6 81.8

119 30.2 25.3 37.9



#56

1,1,1,2-Tetrachloroethane

Concen: 9.279 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

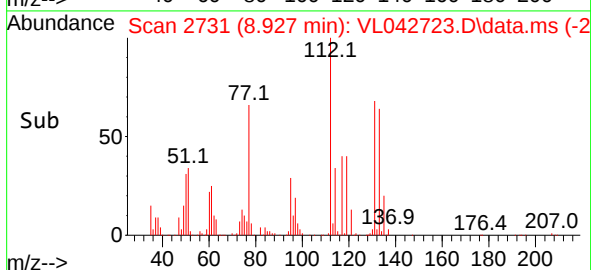
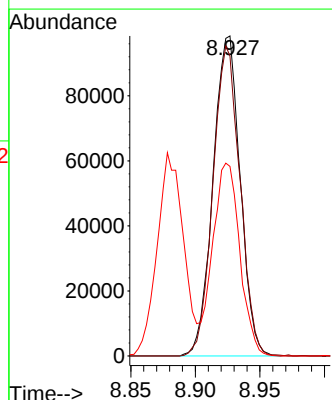
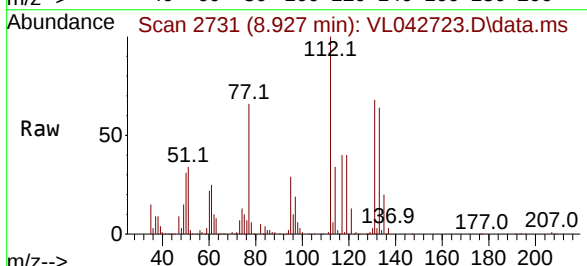
Tgt Ion:131 Resp: 143657

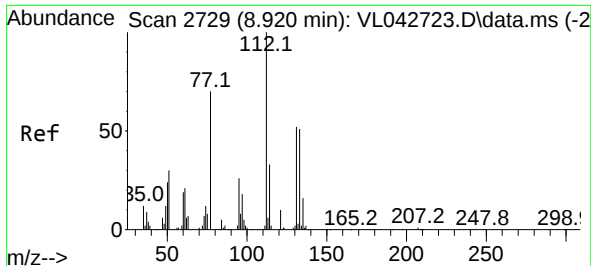
Ion Ratio Lower Upper

131 100

133 96.7 77.4 116.0

119 59.4 48.6 73.0

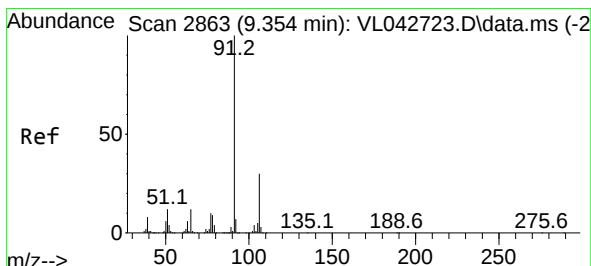
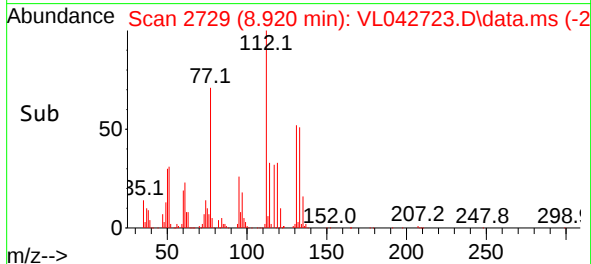
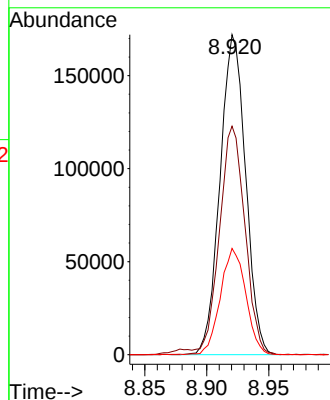
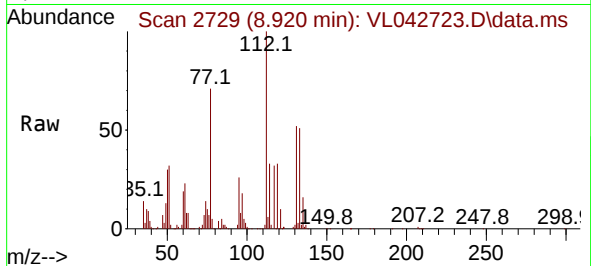




#57
Chlorobenzene
Concen: 9.040 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

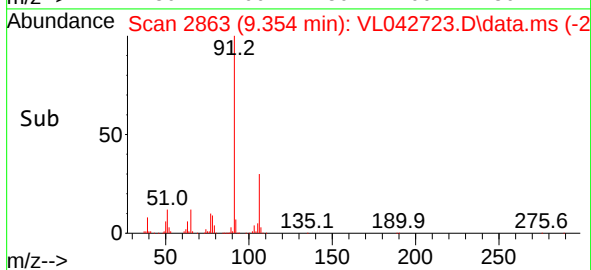
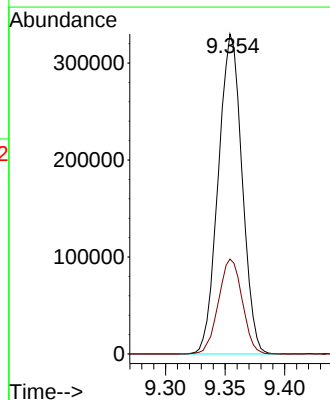
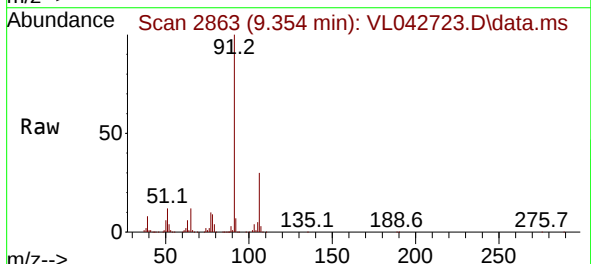
Instrument :
MSVOA_L
ClientSampleId :

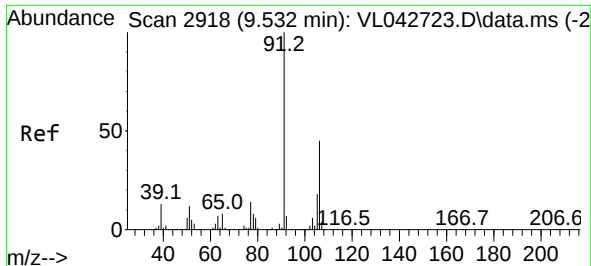
Tgt Ion:112 Resp: 247623
Ion Ratio Lower Upper
112 100
77 71.5 57.2 85.8
114 33.1 29.8 36.4



#58
Ethyl Benzene
Concen: 9.535 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 91 Resp: 457732
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5

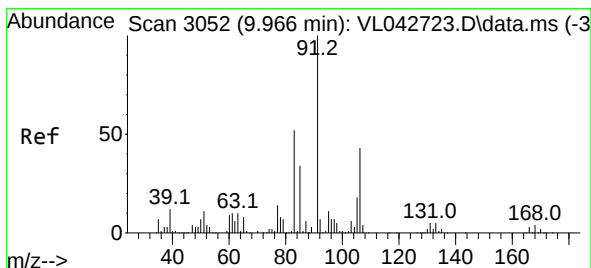
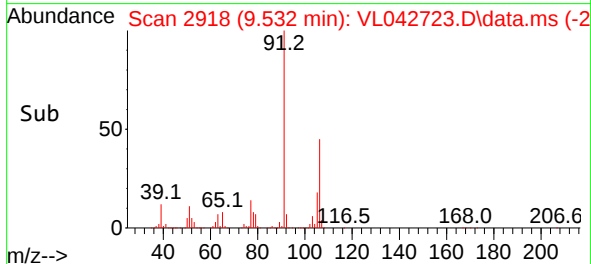
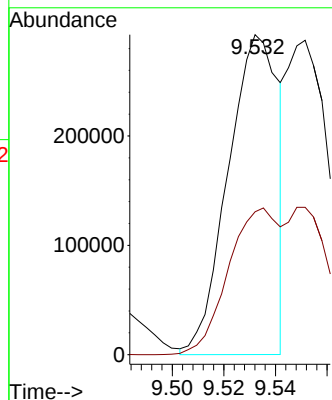
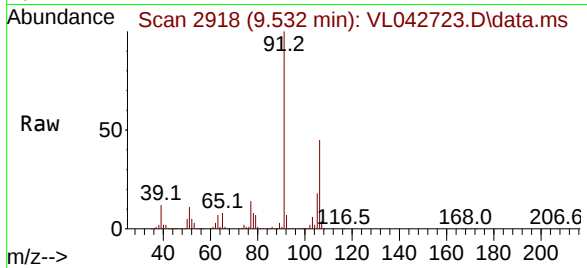




#59
m/p-Xylene
Concen: 10.287 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

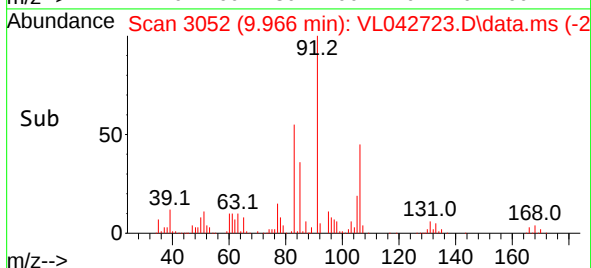
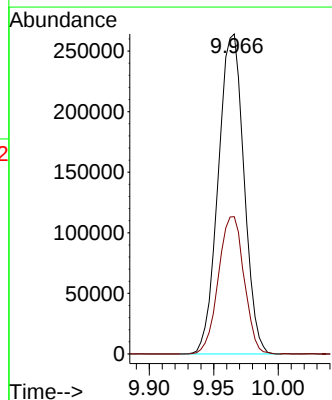
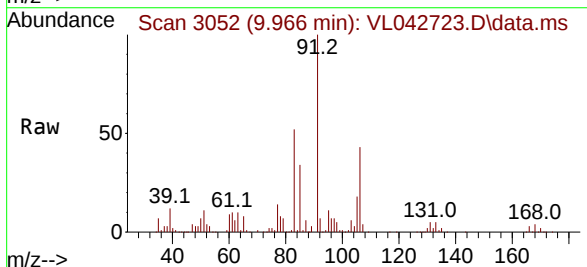
Instrument :
MSVOA_L
ClientSampleId :

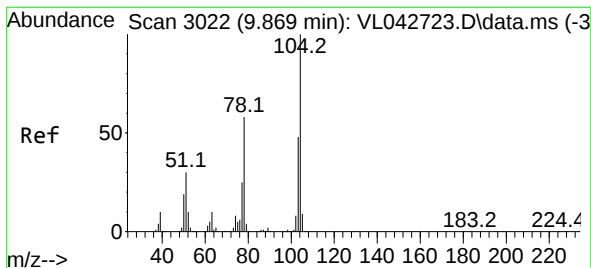
Tgt Ion: 91 Resp: 395761
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9#



#60
o-Xylene
Concen: 9.425 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 91 Resp: 365462
Ion Ratio Lower Upper
91 100
106 42.8 21.4 64.3





#61

Styrene

Concen: 9.866 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

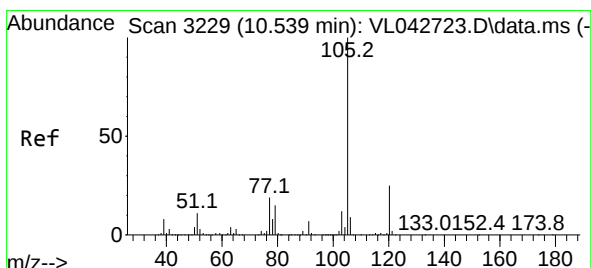
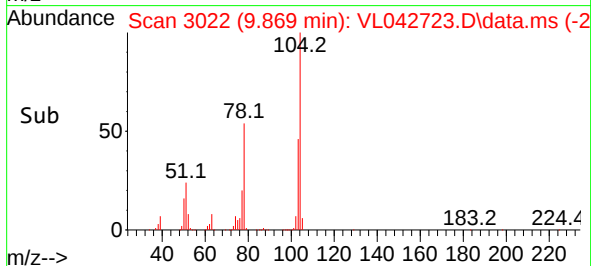
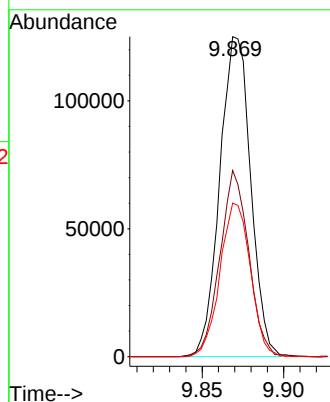
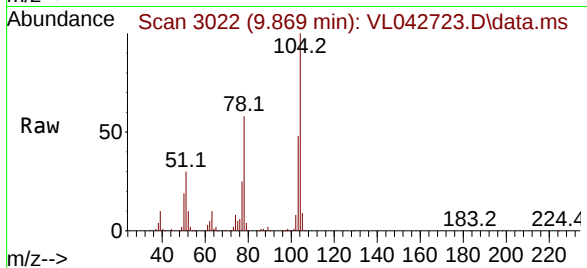
Tgt Ion:104 Resp: 164780

Ion Ratio Lower Upper

104 100

78 54.3 43.4 65.2

103 47.2 37.8 56.6



#62

Isopropylbenzene

Concen: 9.259 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.000 min

Lab File: VL042723.D

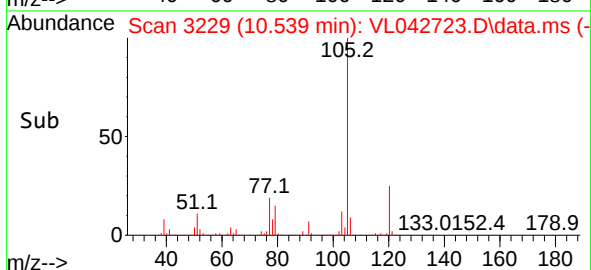
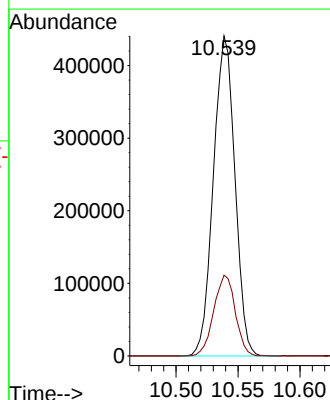
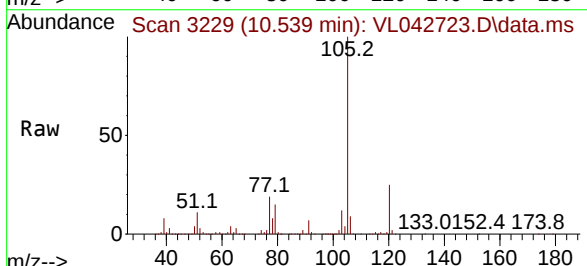
Acq: 22 Jul 2025 08:55

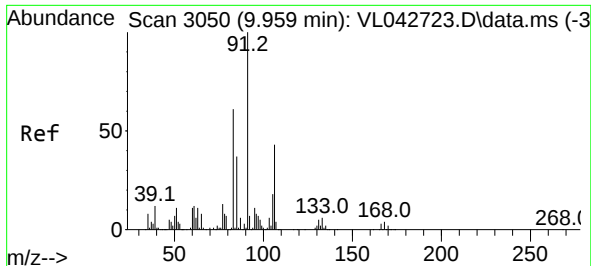
Tgt Ion:105 Resp: 533747

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

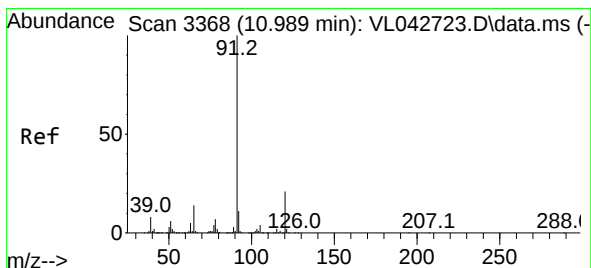
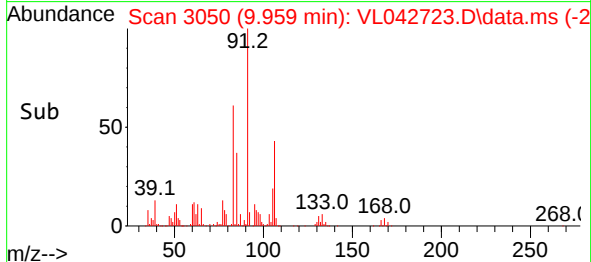
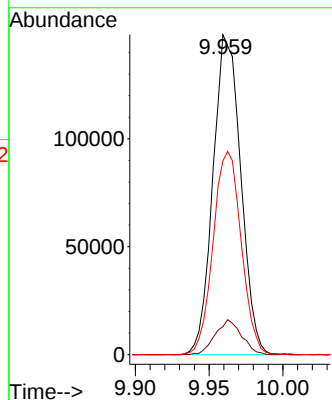
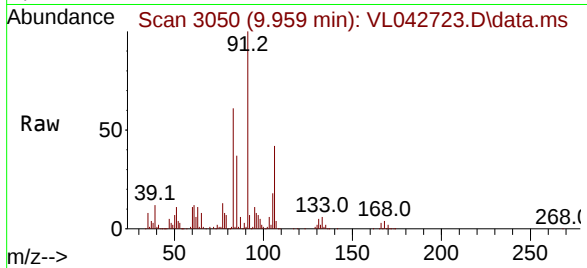




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.757 ppbv
 RT: 9.959 min Scan# 3050
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

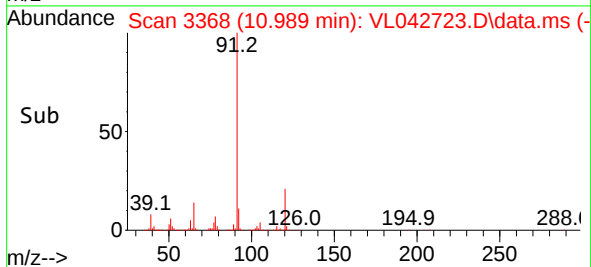
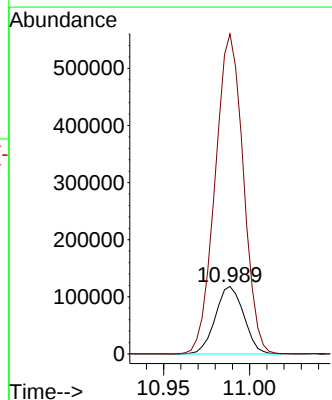
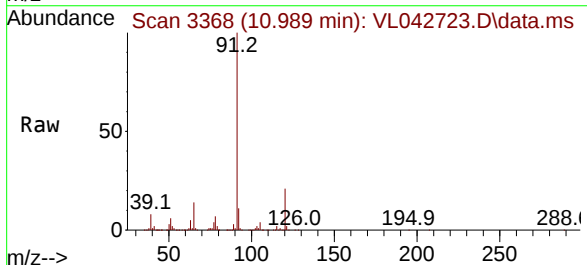
Instrument :
 MSVOA_L
 ClientSampleId :

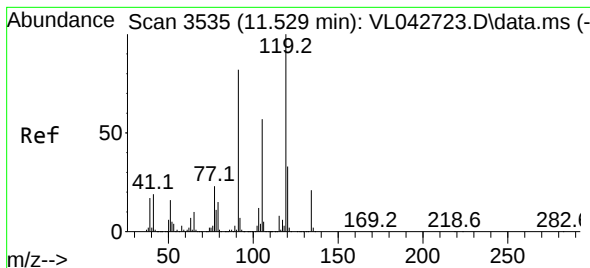
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.3	32.1	96.5



#64
 n-propylbenzene
 Concen: 9.327 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion	Ratio	Lower	Upper
120	100		
91	471.8	377.4	566.0

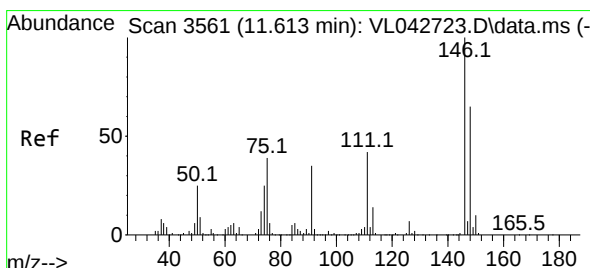
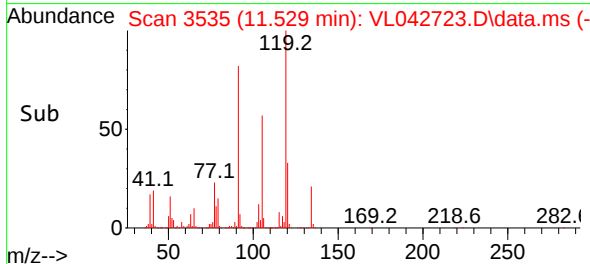
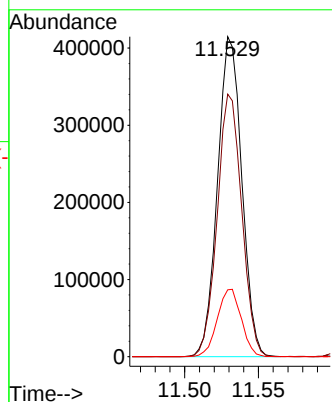
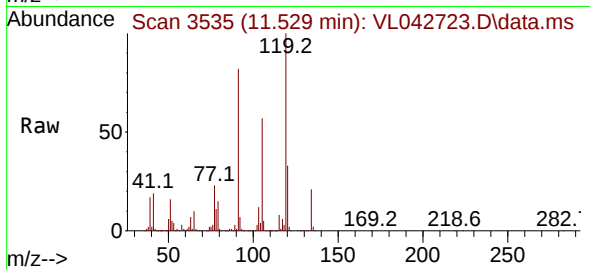




#65
tert-Butylbenzene
Concen: 9.196 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

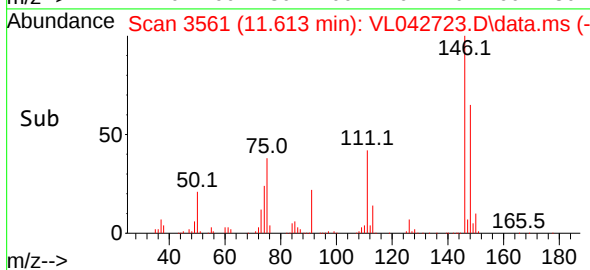
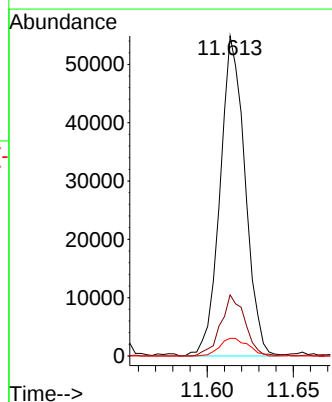
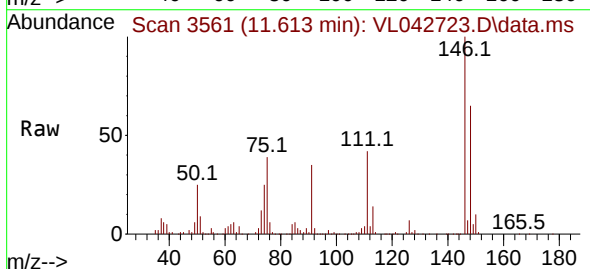
Instrument :
MSVOA_L
ClientSampleId :

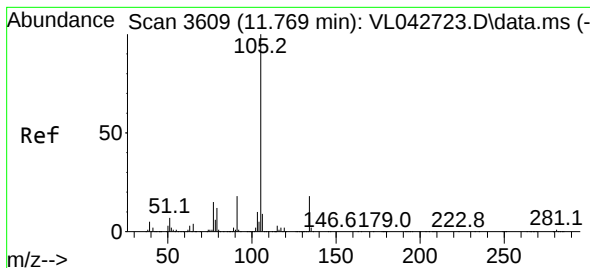
Tgt Ion:119 Resp: 474362
Ion Ratio Lower Upper
119 100
91 83.2 66.5 99.7
134 20.9 16.7 25.1



#66
Benzyl Chloride
Concen: 11.294 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 91 Resp: 55364
Ion Ratio Lower Upper
91 100
126 18.6 15.0 22.4
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 9.222 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

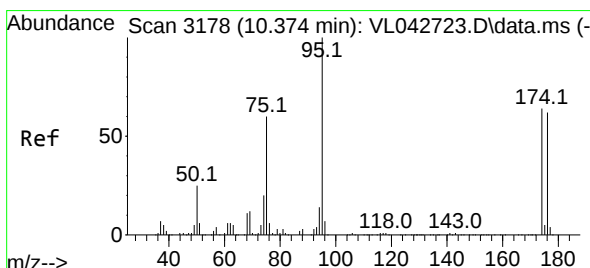
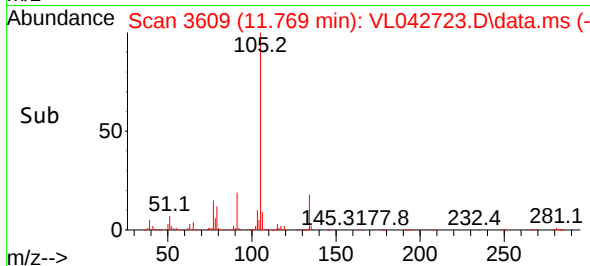
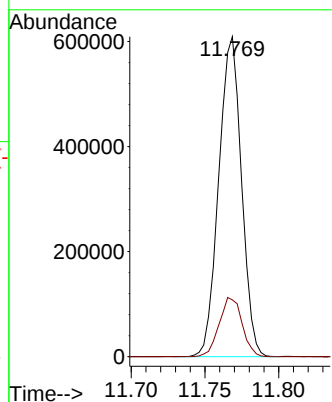
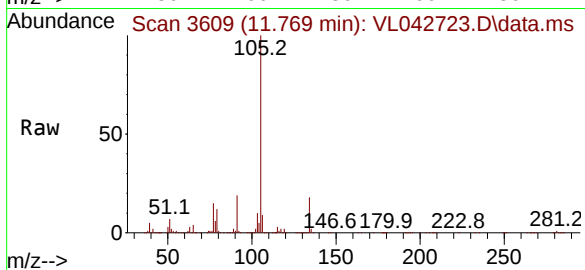
ClientSampleId :

Tgt Ion:105 Resp: 653393

Ion Ratio Lower Upper

105 100

134 18.7 15.0 22.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.058 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

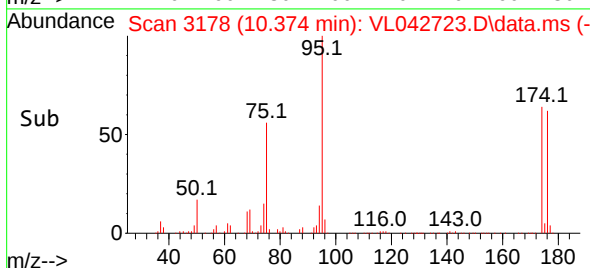
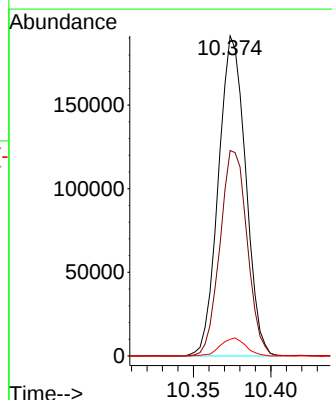
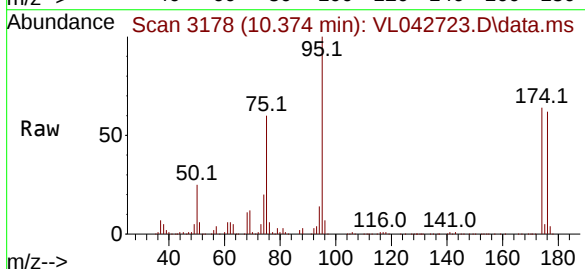
Tgt Ion: 95 Resp: 233616

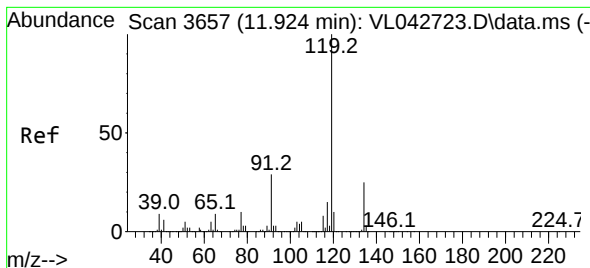
Ion Ratio Lower Upper

95 100

174 64.3 51.4 77.2

175 5.3 4.2 6.4

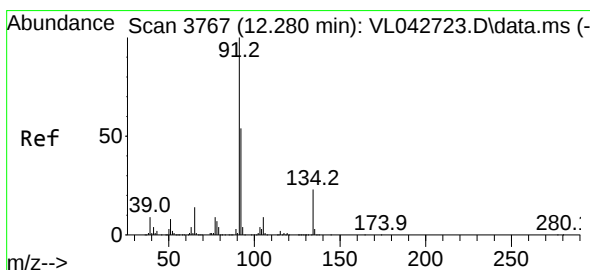
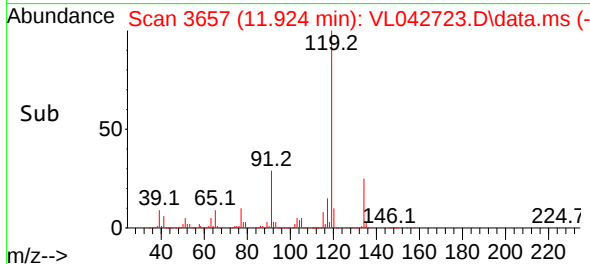
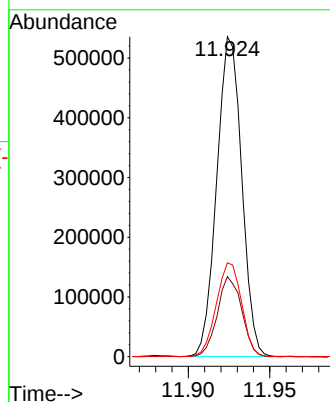
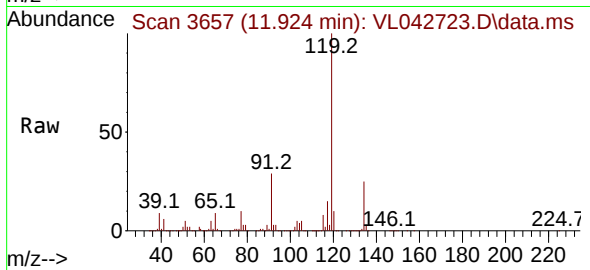




#69
 p-Isopropyltoluene
 Concen: 9.583 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

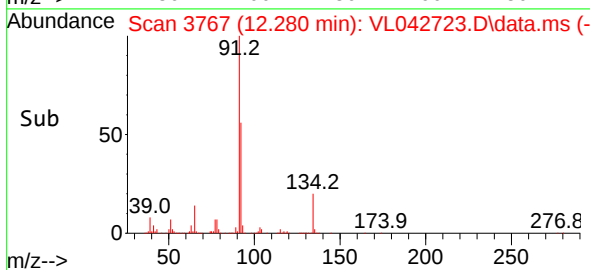
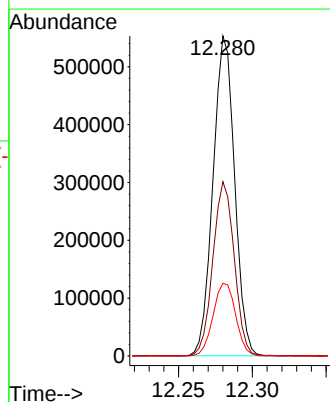
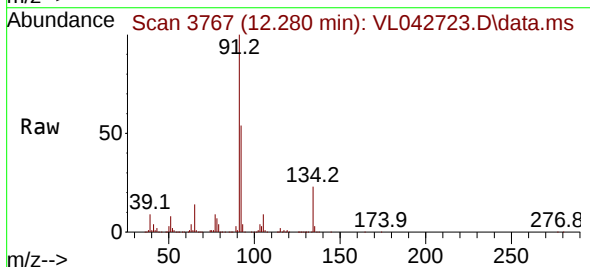
Instrument :
 MSVOA_L
 ClientSampleId :

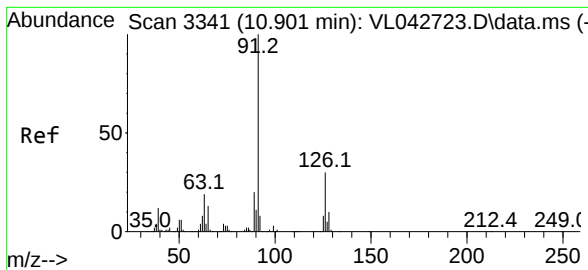
Tgt Ion:119 Resp: 568746
 Ion Ratio Lower Upper
 119 100
 134 24.7 19.8 29.6
 91 29.9 23.9 35.9



#70
 n-Butylbenzene
 Concen: 9.932 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Tgt Ion: 91 Resp: 563329
 Ion Ratio Lower Upper
 91 100
 92 54.0 43.2 64.8
 134 23.8 19.0 28.6

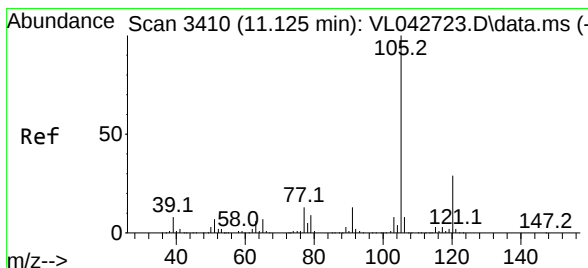
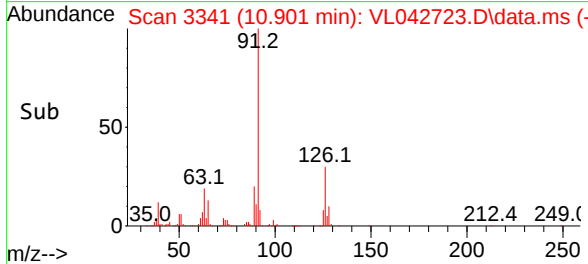
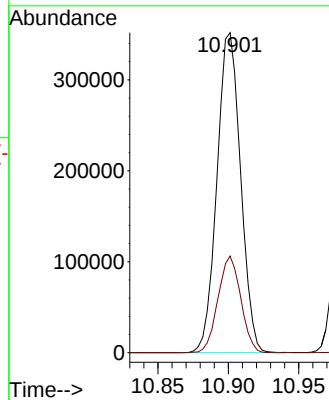
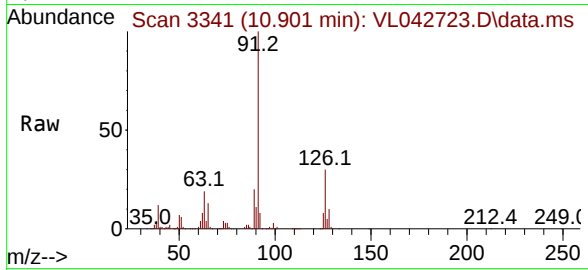




#71
2-Chlorotoluene
Concen: 9.401 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

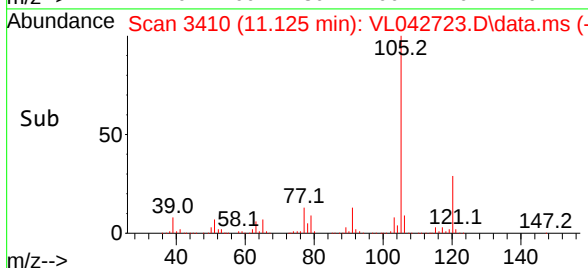
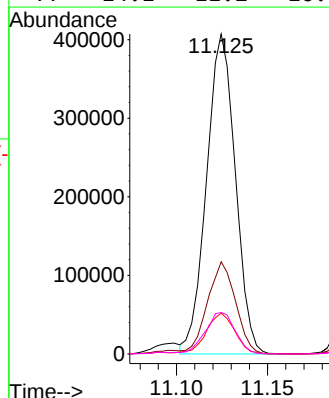
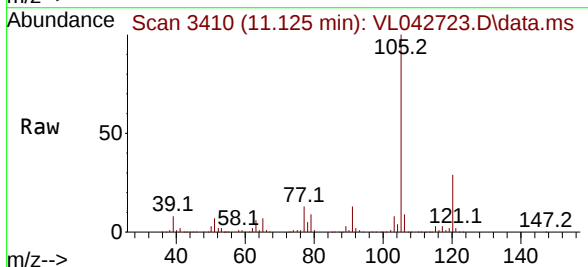
Instrument :
MSVOA_L
ClientSampleId :

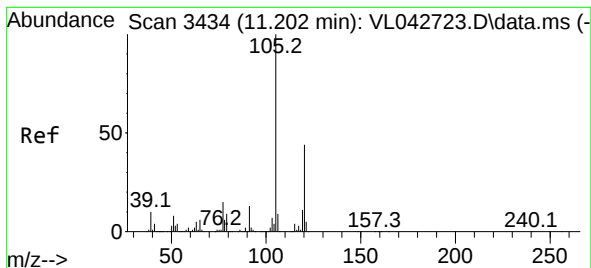
Tgt Ion: 91 Resp: 410769
Ion Ratio Lower Upper
91 100
126 29.0 11.6 46.4



#72
4-Ethyltoluene
Concen: 9.682 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042723.D
Acq: 22 Jul 2025 08:55

Tgt Ion: 105 Resp: 447687
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 13.2 10.6 15.8
77 14.1 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.007 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

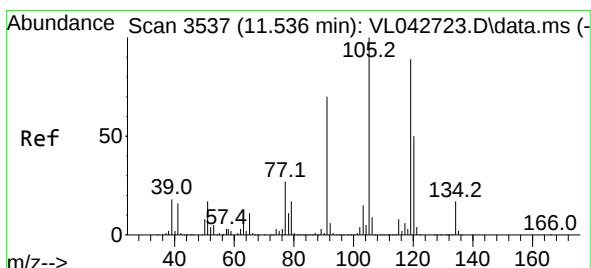
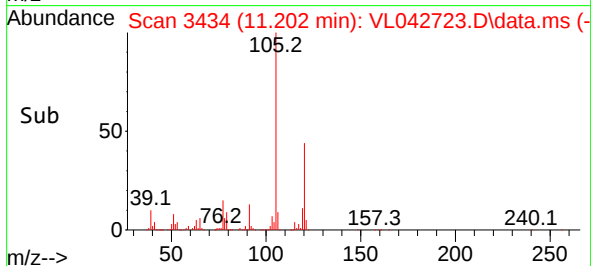
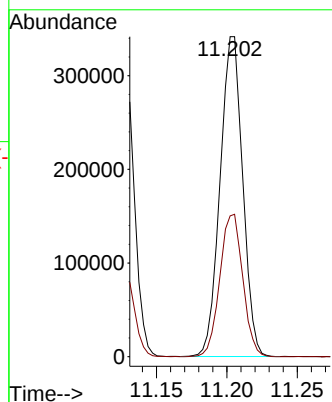
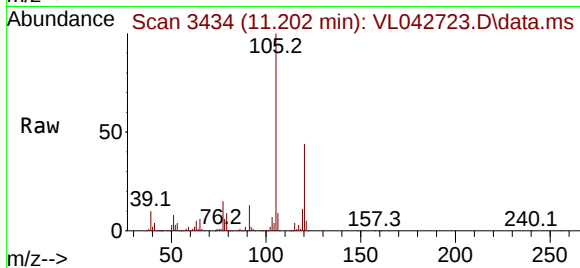
ClientSampleId :

Tgt Ion:105 Resp: 382699

Ion Ratio Lower Upper

105 100

120 44.0 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 9.816 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Tgt Ion:105 Resp: 411894

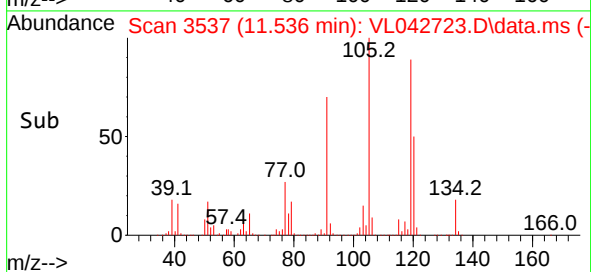
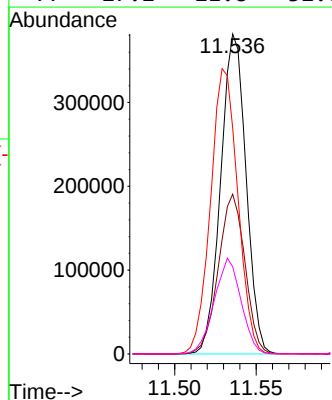
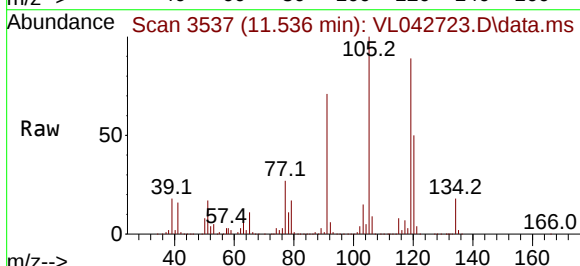
Ion Ratio Lower Upper

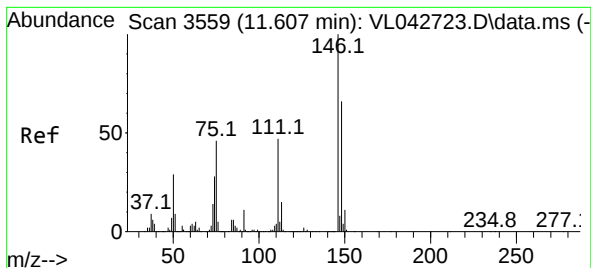
105 100

120 49.9 39.9 59.9

91 70.6 56.5 84.7

77 27.2 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 8.978 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

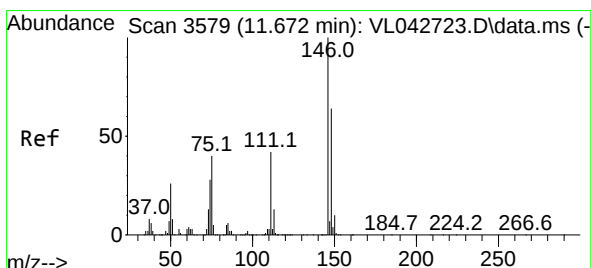
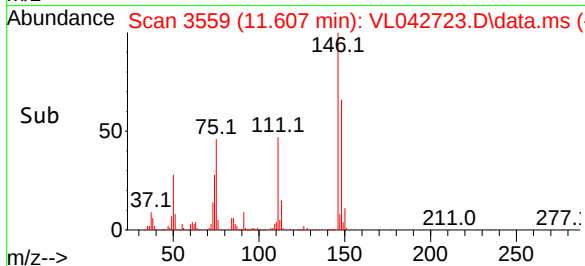
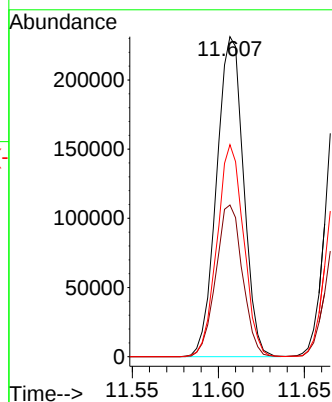
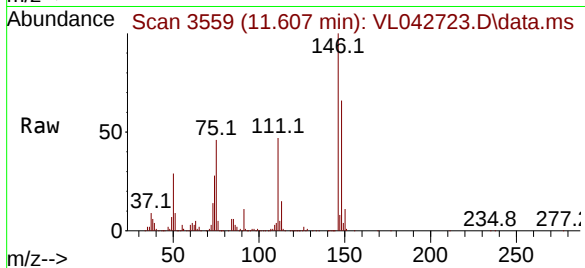
Tgt Ion:146 Resp: 251931

Ion Ratio Lower Upper

146 100

111 47.0 23.5 70.5

148 65.4 32.6 98.0



#76

1,4-Dichlorobenzene

Concen: 9.498 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

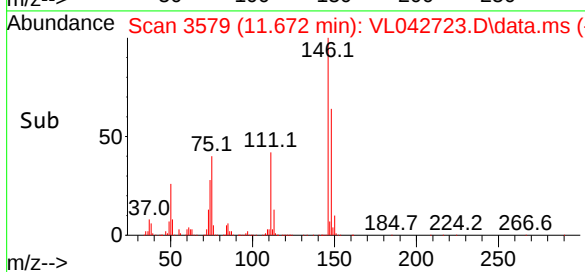
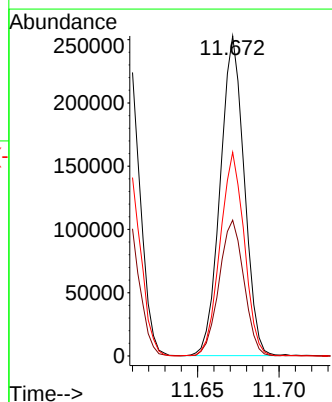
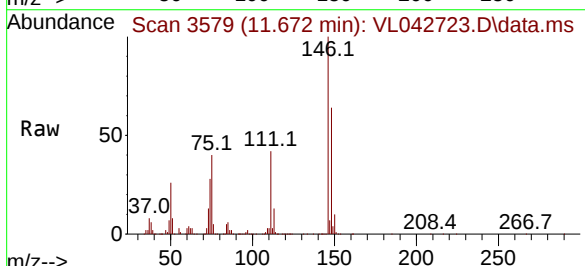
Tgt Ion:146 Resp: 257811

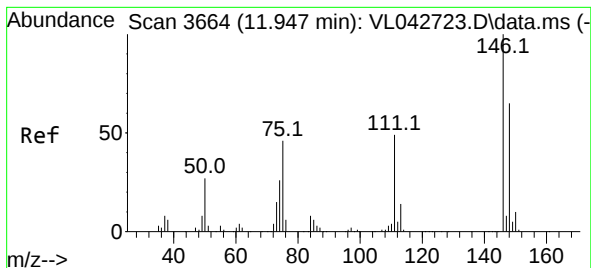
Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

148 64.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.954 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

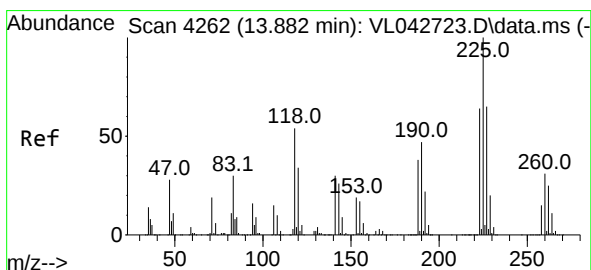
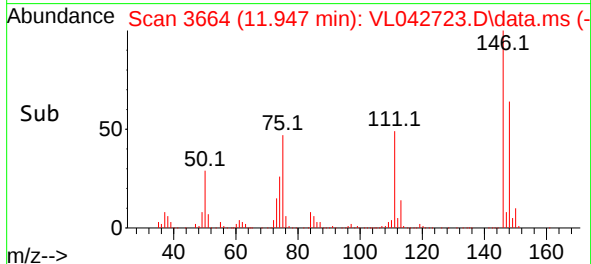
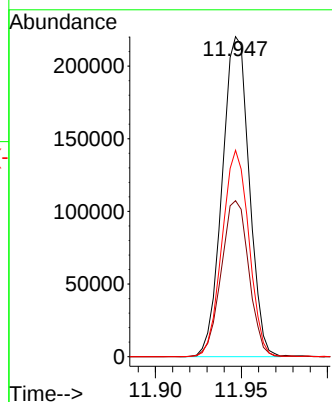
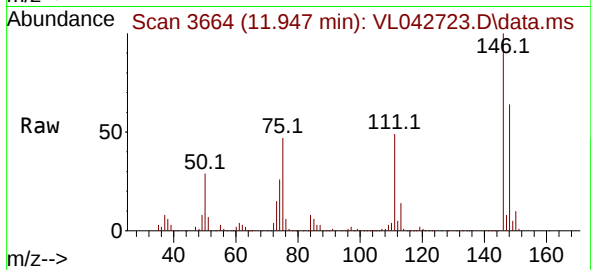
Tgt Ion:146 Resp: 240874

Ion Ratio Lower Upper

146 100

111 49.7 24.9 74.6

148 64.0 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.113 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

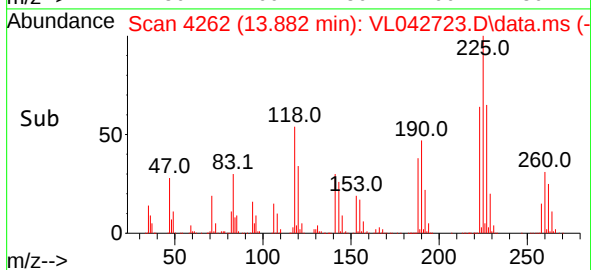
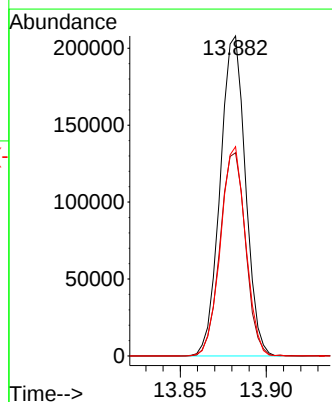
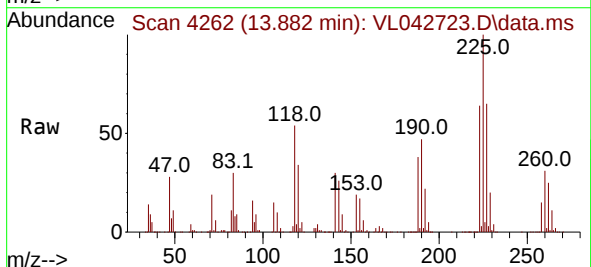
Tgt Ion:225 Resp: 212439

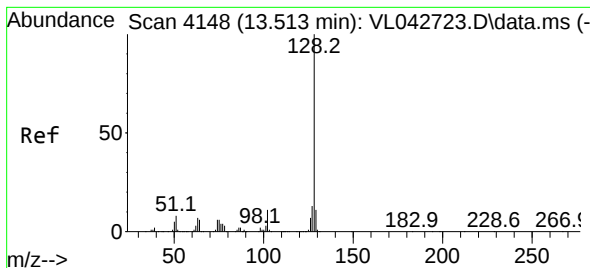
Ion Ratio Lower Upper

225 100

223 64.1 51.3 76.9

227 64.8 51.8 77.8





#79

Naphthalene

Concen: 13.303 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

Instrument :

MSVOA_L

ClientSampleId :

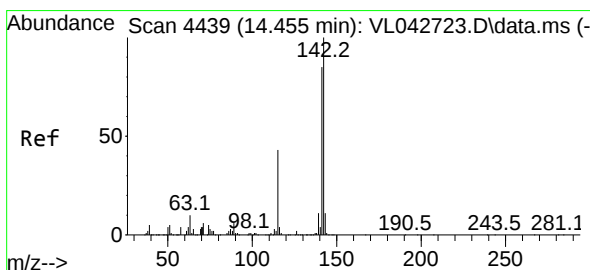
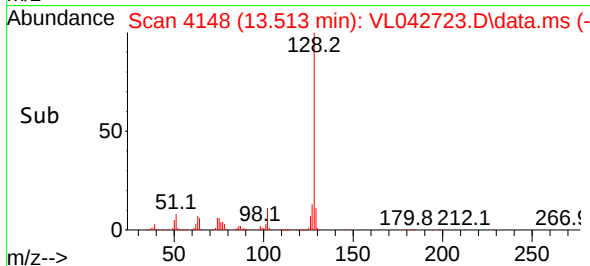
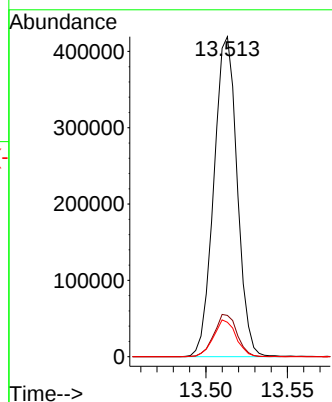
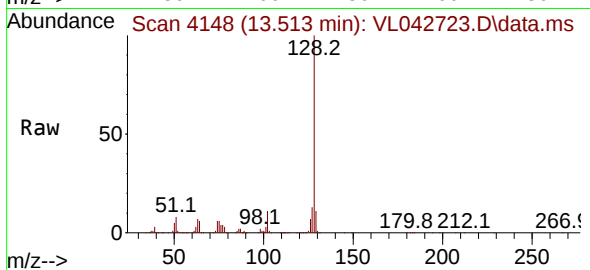
Tgt Ion:128 Resp: 416154

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 20.227 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042723.D

Acq: 22 Jul 2025 08:55

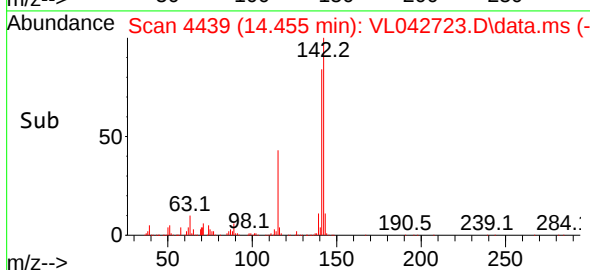
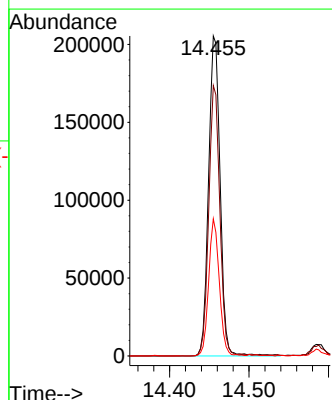
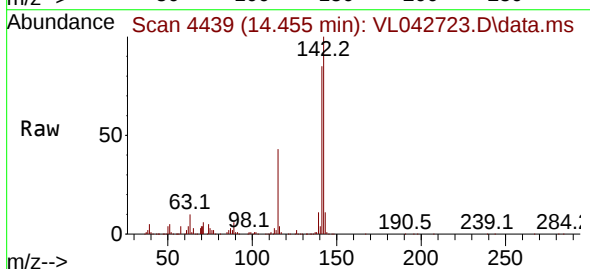
Tgt Ion:142 Resp: 208162

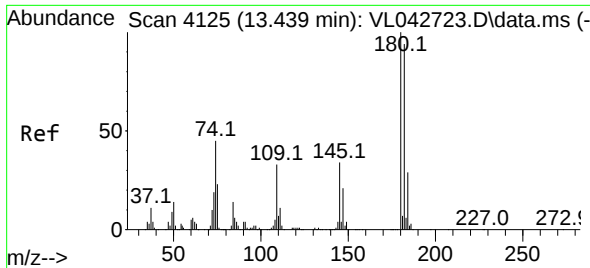
Ion Ratio Lower Upper

142 100

141 82.2 65.6 98.4

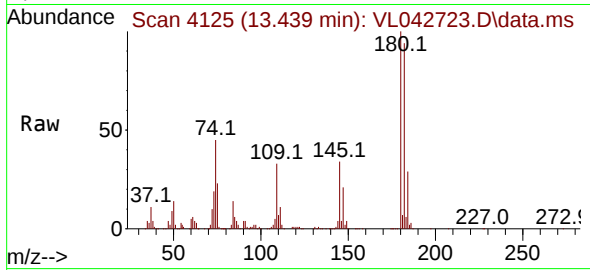
115 39.6 31.7 47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 12.042 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042723.D
 Acq: 22 Jul 2025 08:55

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	230529
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.1	115.7
184	31.2	25.0	37.4

