

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042708.D
 Acq On : 08 Jul 2025 10:26
 Operator : SY/MD
 Sample : VL0708ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Quant Time: Jul 09 01:26:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	119225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	291223	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.888	117	254883	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	199659	10.184	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	118466	9.491	ppbv	99
3) Chlorodifluoromethane	1.476	51	176793	9.473	ppbv	99
4) Chloromethane	1.534	50	46248	9.447	ppbv	100
5) Vinyl Chloride	1.580	62	42660	8.670	ppbv	96
6) Bromomethane	1.670	94	20159	9.171	ppbv	96
7) Chloroethane	1.706	64	17912	9.480	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	95560	9.240	ppbv	100
9) Propene	1.486	41	67221	9.626	ppbv	98
10) Heptane	4.985	43	205098	10.815	ppbv	97
11) Trichlorofluoromethane	1.881	101	123959	9.419	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	99268	9.530	ppbv	97
13) Ethanol	1.722	45	5286	7.844	ppbv	100
14) Bromoethene	1.784	108	33692	9.280	ppbv	98
15) Acetone	1.835	43	100130	8.468	ppbv	99
16) 1,3-Butadiene	1.609	39	48902	8.975	ppbv	98
17) tert-Butyl alcohol	2.043	59	112571	9.759	ppbv	99
18) 1,1-Dichloroethene	2.036	96	42541	9.192	ppbv	93
19) Isopropyl Alcohol	1.887	45	64075	9.427	ppbv	100
20) Methylene Chloride	2.062	84	36078	7.979	ppbv	93
21) Allyl Chloride	2.098	41	80293	9.735	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	49124	9.745	ppbv	93
23) Vinyl Acetate	2.463	43	207164	10.826	ppbv	98
24) 1,1-Dichloroethane	2.412	63	98838	9.486	ppbv	98
25) Ethyl Acetate	2.836	43	360877	10.089	ppbv	99
26) Hexane	2.829	57	156100	10.460	ppbv	97
27) Carbon Disulfide	2.153	76	119974	9.858	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	58582	9.594	ppbv	99
29) Chloroform	2.852	83	214005	9.494	ppbv	100
30) Cyclohexane	3.862	84	119620	10.631	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	137431	9.676	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	193210	8.934	ppbv	99
34) 2-Butanone	2.557	43	233979	10.151	ppbv	99
35) Carbon Tetrachloride	3.768	117	192144	9.535	ppbv	97
36) Benzene	3.661	78	300420	10.235	ppbv	98
37) 1,2-Dichloroethane	3.224	62	149176	9.570	ppbv	100
38) Trichloroethene	4.554	130	116222	9.166	ppbv	94
39) 1,2-Dichloropropane	4.318	63	113591	9.923	ppbv	93
40) 1,4-Dioxane	4.590	88	46119	10.397	ppbv #	98
41) Tetrahydrofuran	3.056	42	128588	10.947	ppbv	99
42) Bromodichloromethane	4.493	83	226186	10.244	ppbv	93
43) Methyl Methacrylate	4.884	69	107852	11.426	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	534947	10.850	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	108517	10.952	ppbv	99

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 ALS Vial : 1 Sample Multiplier: 1

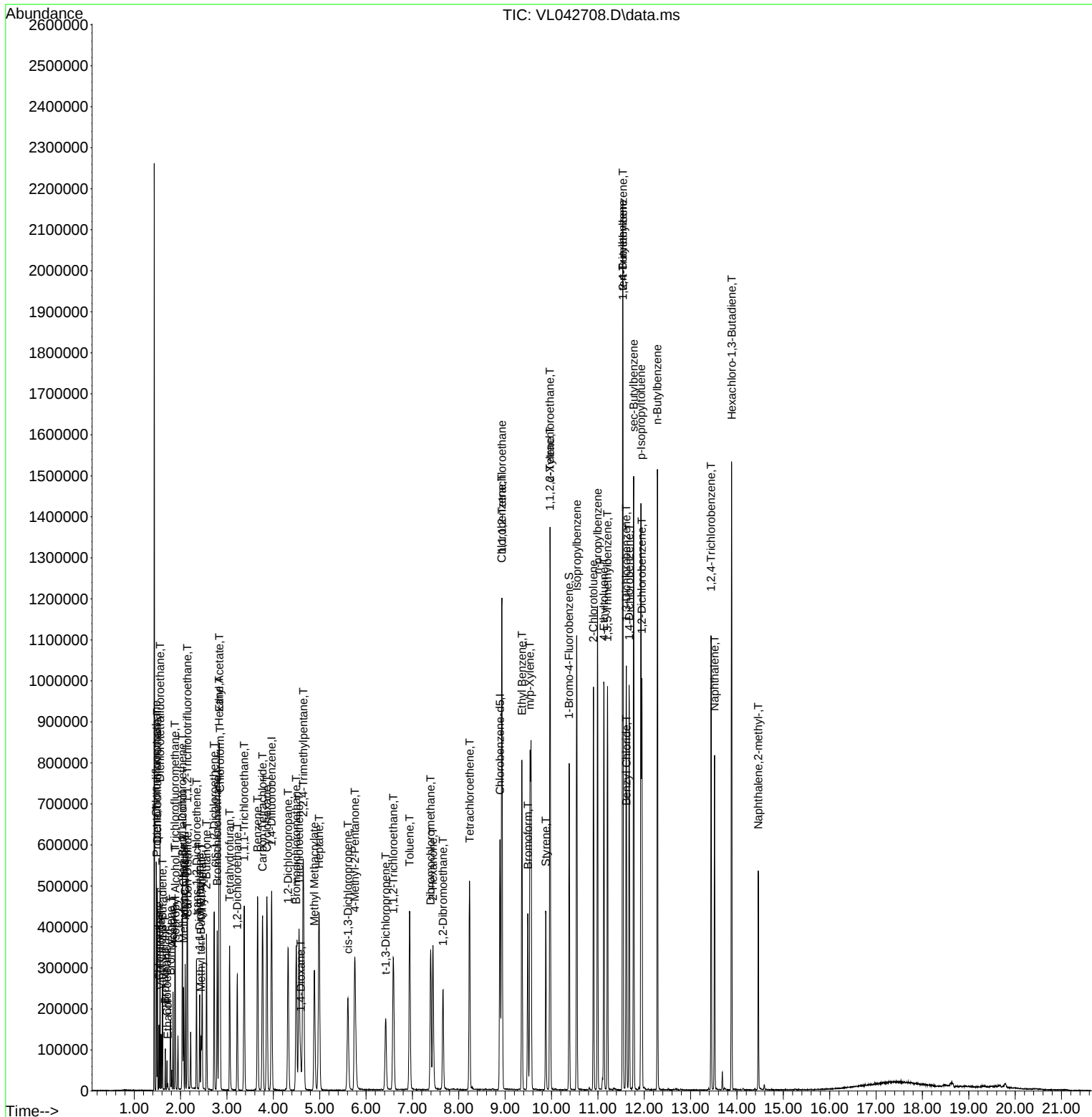
Instrument :
 MSVOA_L
 ClientSampleId :
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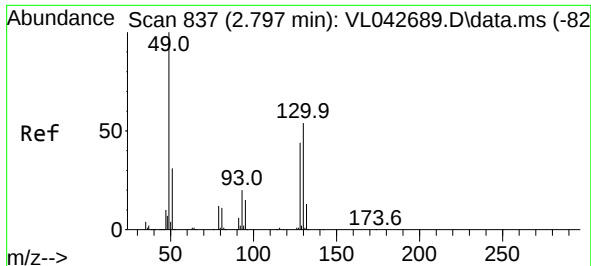
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	144777	10.590	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	118108	10.476	ppbv	96
48) Dibromochloromethane	7.393	129	176934	10.249	ppbv	99
49) Bromoform	9.490	173	154624	10.370	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	307423	11.390	ppbv	100
51) 2-Hexanone	7.441	43	238529	12.147	ppbv	99
52) Tetrachloroethene	8.234	164	96008	9.786	ppbv	97
53) Toluene	6.940	91	313640	11.444	ppbv	98
54) 1,2-Dibromoethane	7.658	107	162648	10.349	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	138596	10.056	ppbv	98
57) Chlorobenzene	8.927	112	251274	9.826	ppbv	100
58) Ethyl Benzene	9.361	91	430403	11.677	ppbv	98
59) m/p-Xylene	9.535	91	392166	12.702	ppbv #	30
60) o-Xylene	9.969	91	355924	11.719	ppbv	98
61) Styrene	9.875	104	144023	12.071	ppbv	98
62) Isopropylbenzene	10.545	105	512927	11.189	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240780	10.295	ppbv	100
64) n-propylbenzene	10.995	120	135992	11.587	ppbv	98
65) tert-Butylbenzene	11.536	119	448307	11.426	ppbv	100
66) Benzyl Chloride	11.620	91	44306	11.655	ppbv	99
67) sec-Butylbenzene	11.772	105	646802	10.760	ppbv	100
69) p-Isopropyltoluene	11.931	119	534171	11.165	ppbv	100
70) n-Butylbenzene	12.283	91	550575	11.423	ppbv	99
71) 2-Chlorotoluene	10.905	91	385926	11.380	ppbv	99
72) 4-Ethyltoluene	11.131	105	434964	11.737	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	360383	11.534	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	397819	11.161	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	252944	10.115	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	249253	10.502	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	244539	9.680	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	169821	8.631	ppbv	99
79) Naphthalene	13.517	128	363533	12.220	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	140667	11.384	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	186596	10.763	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
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Response via : Initial Calibration

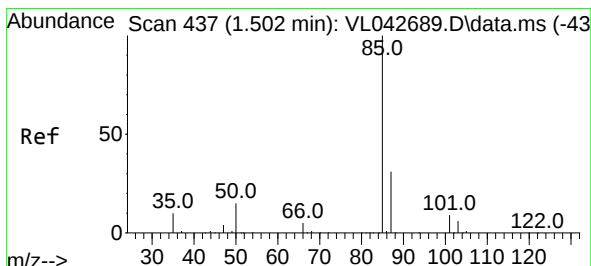
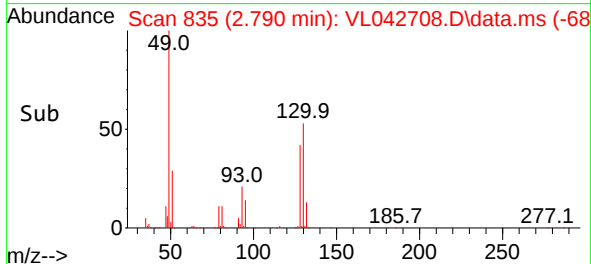
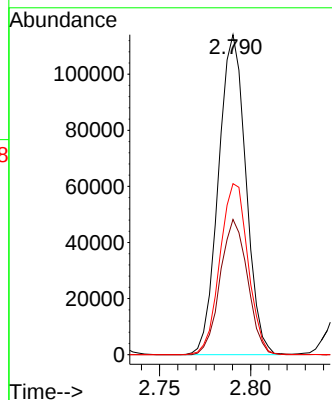
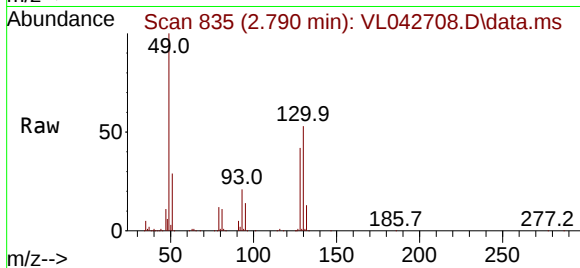




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

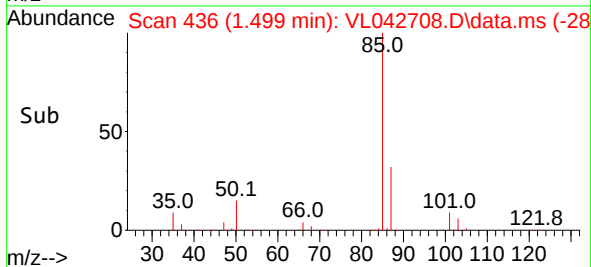
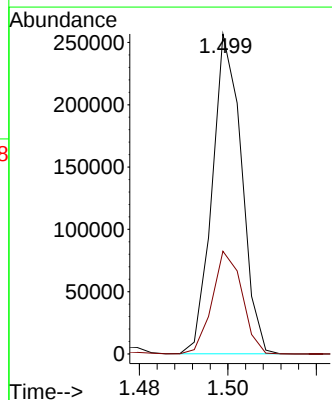
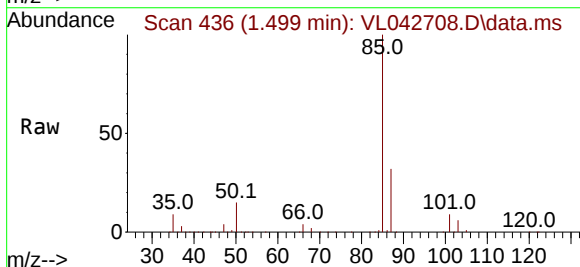
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MSVOA_L
ClientSampleId :
VL0708ABS01

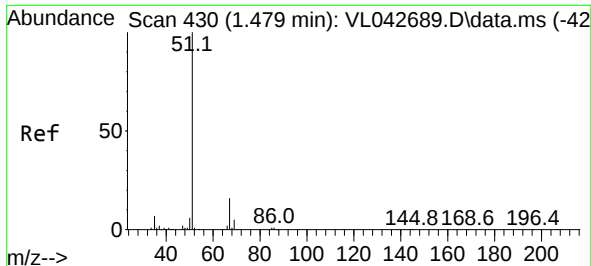
Tgt Ion: 49 Resp: 119225
Ion Ratio Lower Upper
49 100
128 42.1 21.4 64.2
130 54.8 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 9.491 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 85 Resp: 118466
Ion Ratio Lower Upper
85 100
87 32.1 25.1 37.7

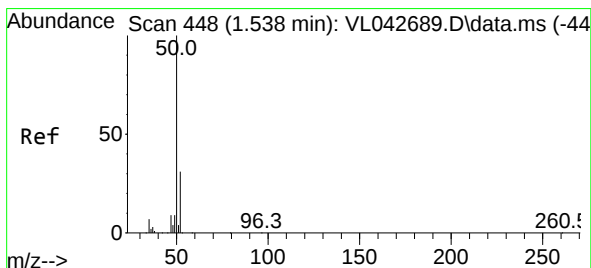
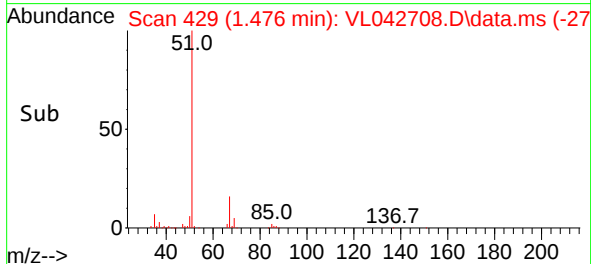
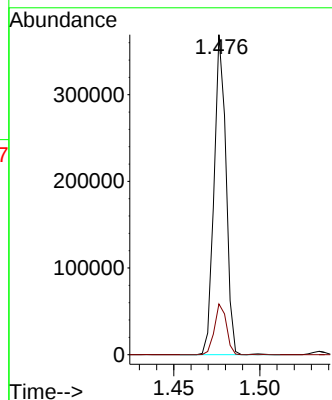
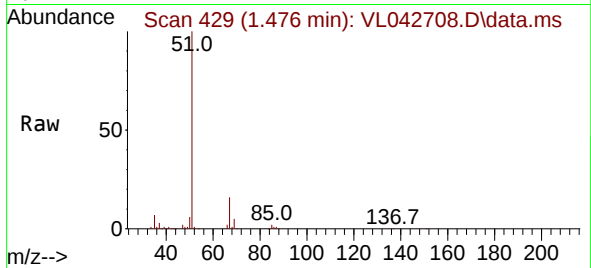




#3
Chlorodifluoromethane
Concen: 9.473 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

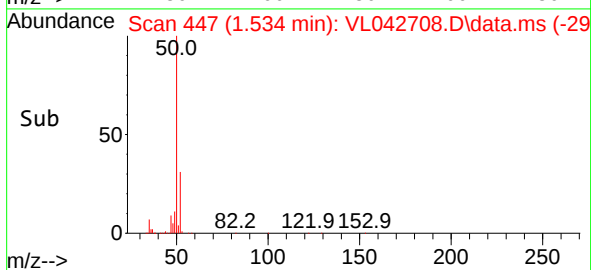
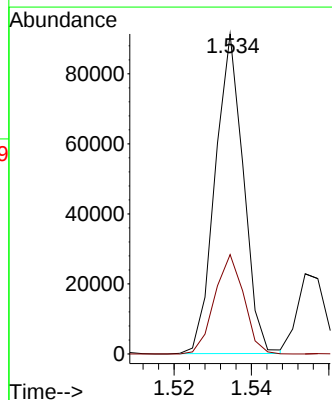
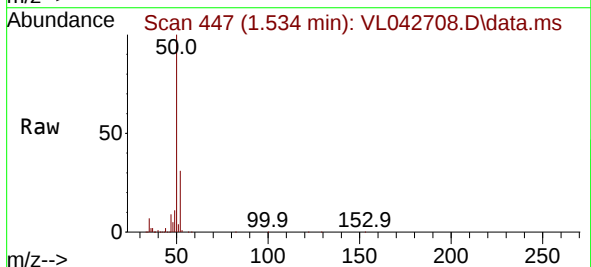
Instrument :
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ClientSampleId :
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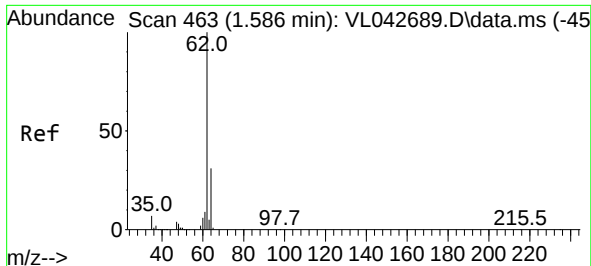
Tgt Ion: 51 Resp: 176793
Ion Ratio Lower Upper
51 100
67 15.9 13.1 19.7



#4
Chloromethane
Concen: 9.447 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 50 Resp: 46248
Ion Ratio Lower Upper
50 100
52 31.1 24.8 37.2

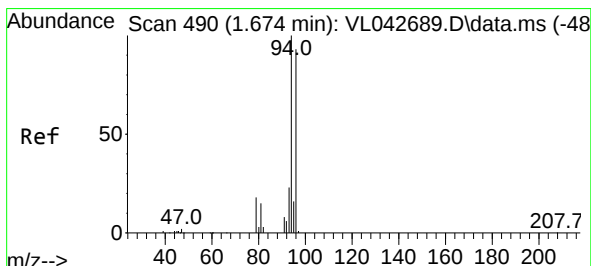
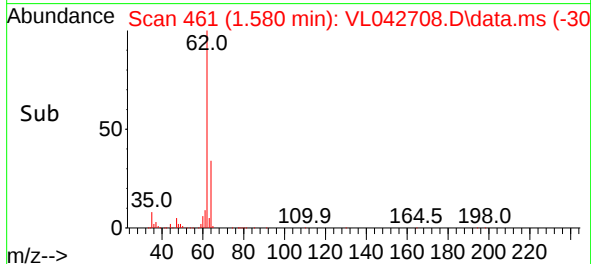
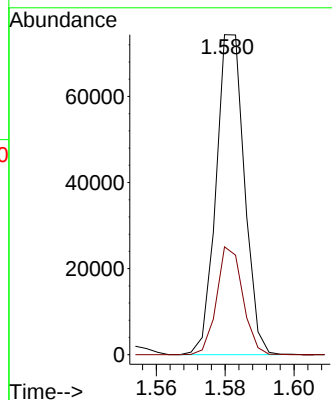
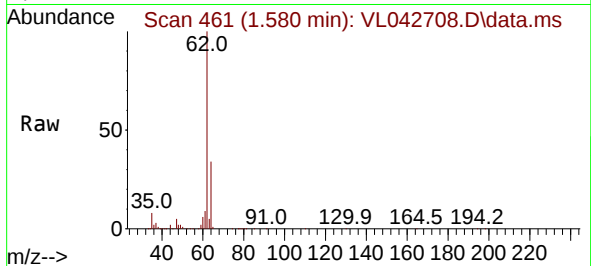




#5
 Vinyl Chloride
 Concen: 8.670 ppbv
 RT: 1.580 min Scan# 463
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

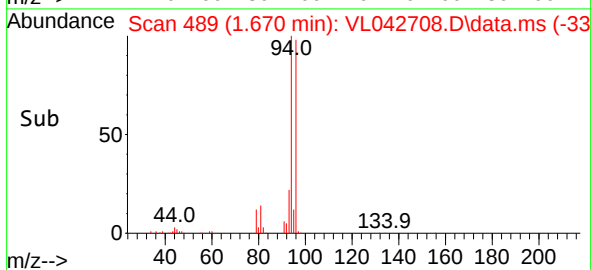
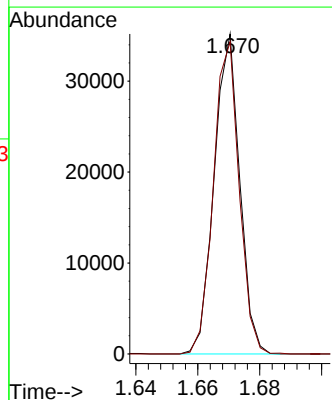
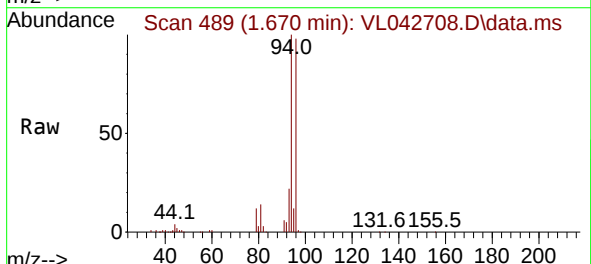
Instrument :
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 ClientSampleId :
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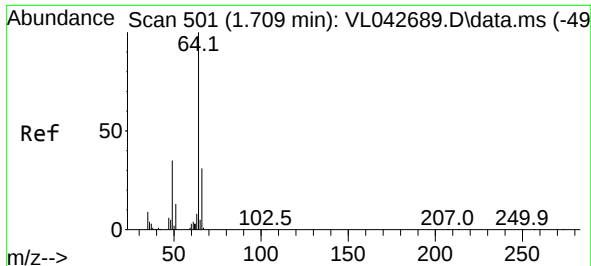
Tgt Ion: 62 Resp: 42660
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.1 37.7



#6
 Bromomethane
 Concen: 9.171 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 94 Resp: 20159
 Ion Ratio Lower Upper
 94 100
 96 97.6 74.6 112.0

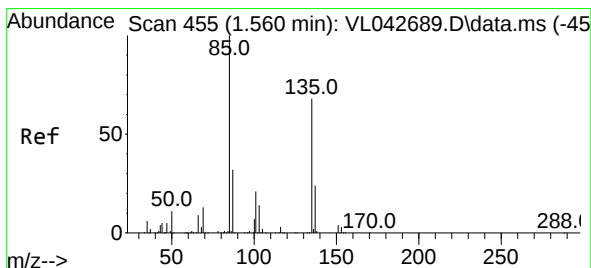
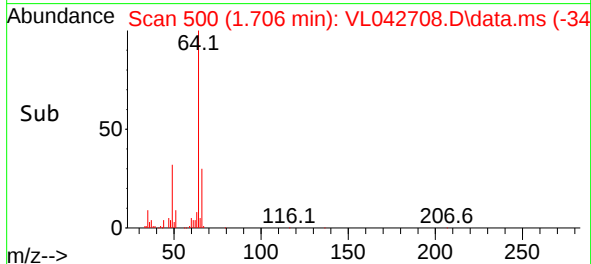
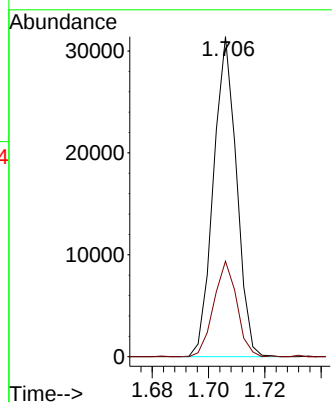
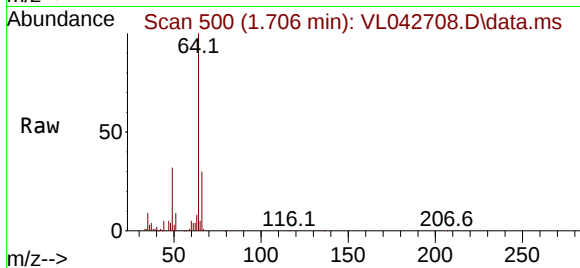




#7
Chloroethane
Concen: 9.480 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

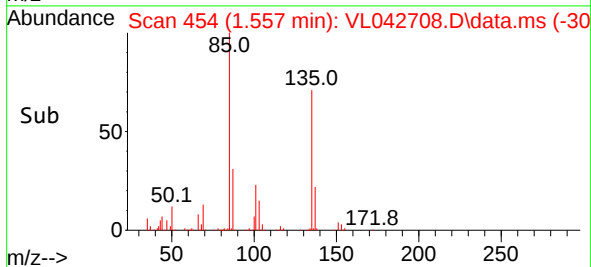
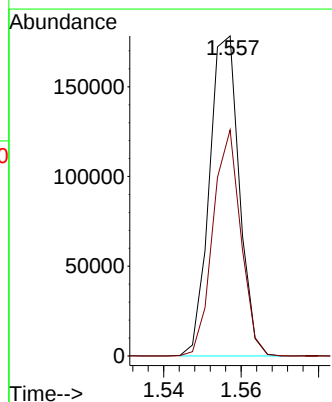
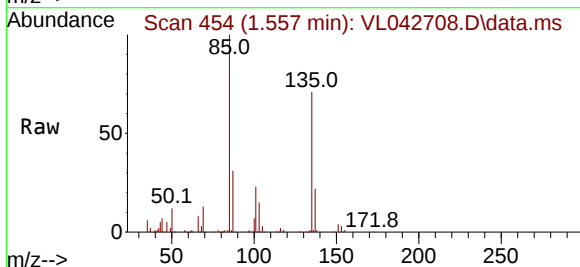
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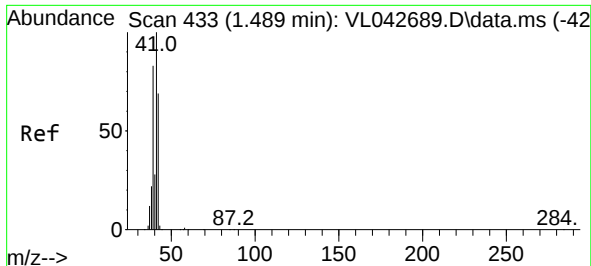
Tgt Ion: 64 Resp: 17912
Ion Ratio Lower Upper
64 100
66 29.9 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 9.240 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 85 Resp: 95560
Ion Ratio Lower Upper
85 100
135 66.0 52.6 79.0

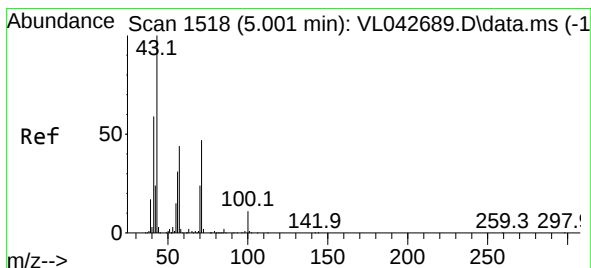
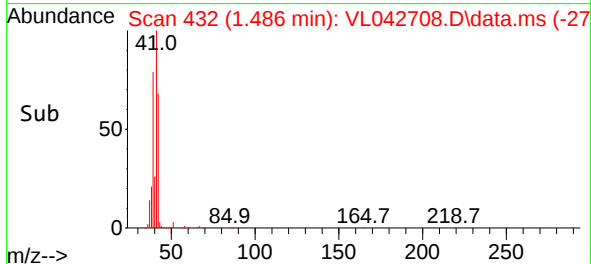
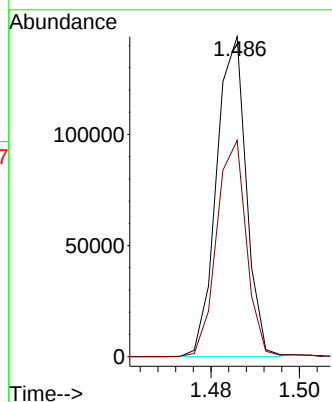
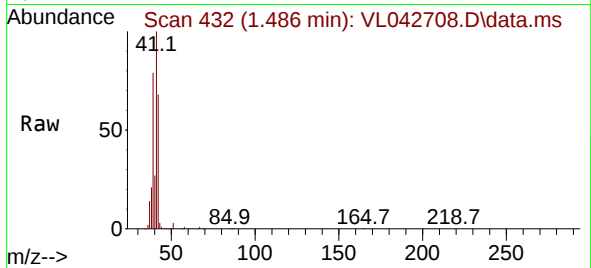




#9
Propene
Concen: 9.626 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

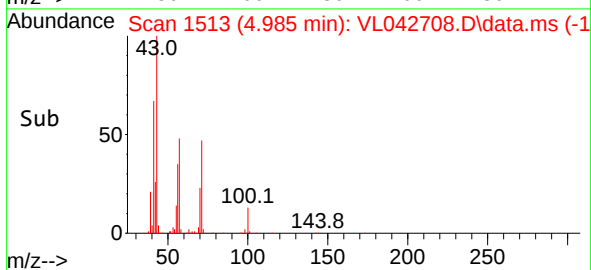
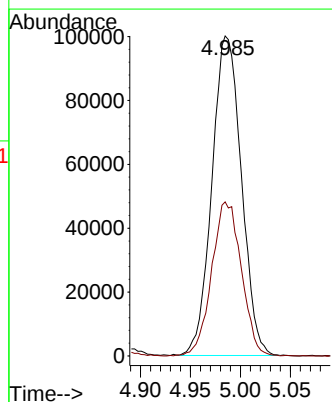
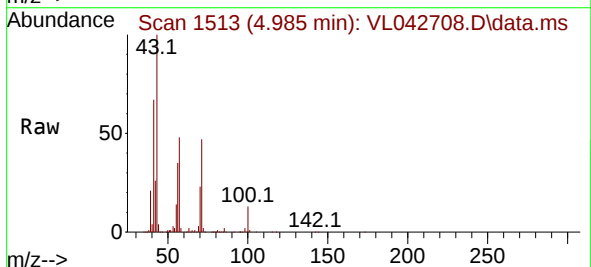
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

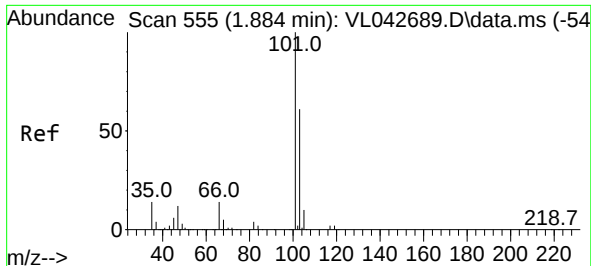
Tgt Ion: 41 Resp: 67221
Ion Ratio Lower Upper
41 100
42 68.2 55.6 83.4



#10
Heptane
Concen: 10.815 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.016 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 43 Resp: 205098
Ion Ratio Lower Upper
43 100
57 48.6 37.4 56.0

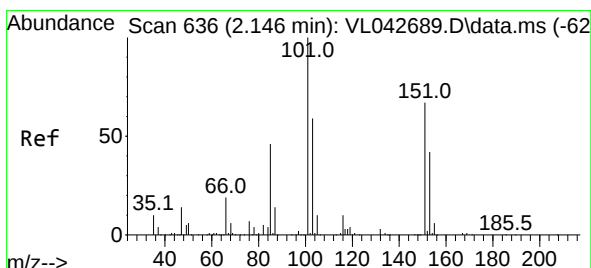
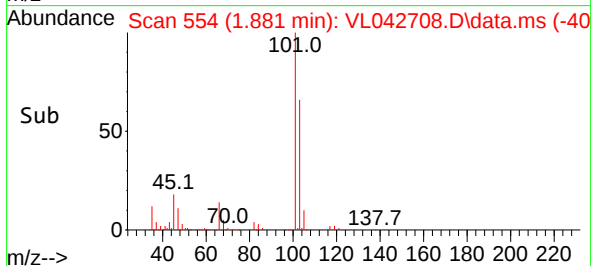
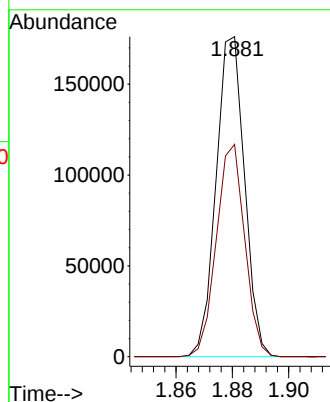
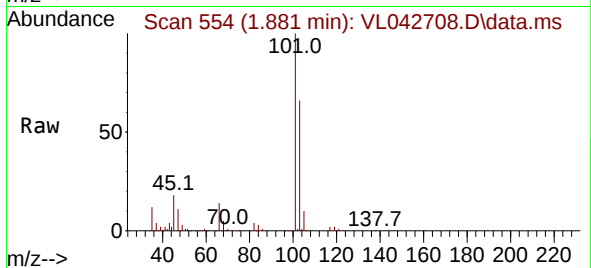




#11
 Trichlorofluoromethane
 Concen: 9.419 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

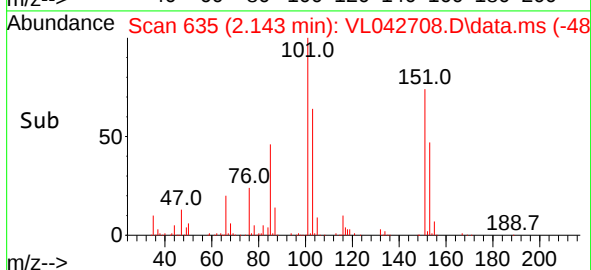
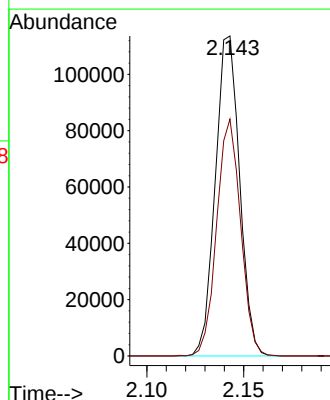
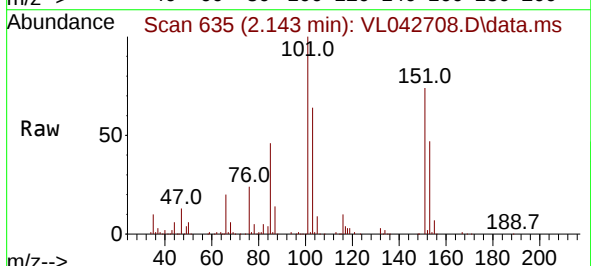
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

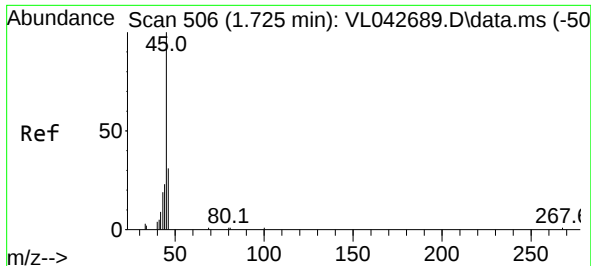
Tgt Ion:101 Resp: 123959
 Ion Ratio Lower Upper
 101 100
 103 66.4 48.9 73.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.530 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion:101 Resp: 99268
 Ion Ratio Lower Upper
 101 100
 151 72.8 56.6 84.8

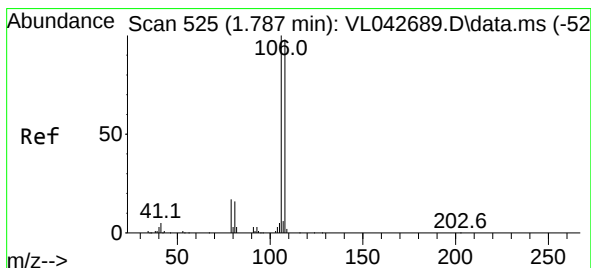
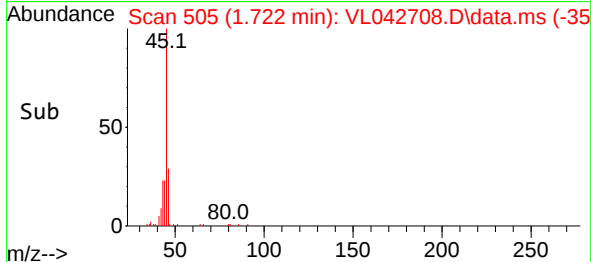
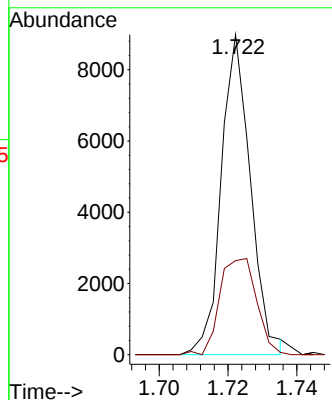
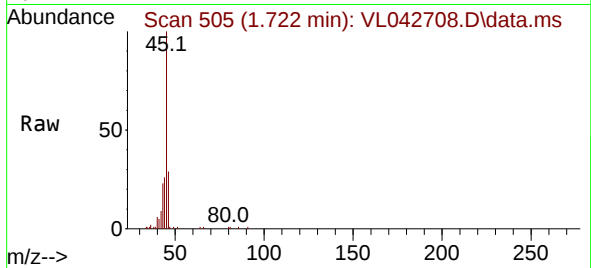




#13
Ethanol
Concen: 7.844 ppbv
RT: 1.722 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

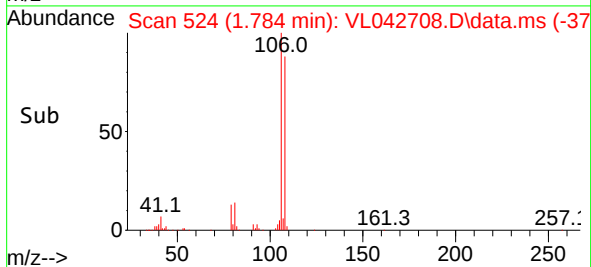
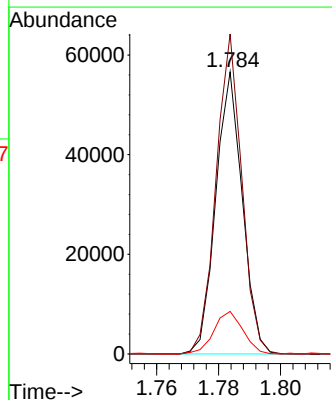
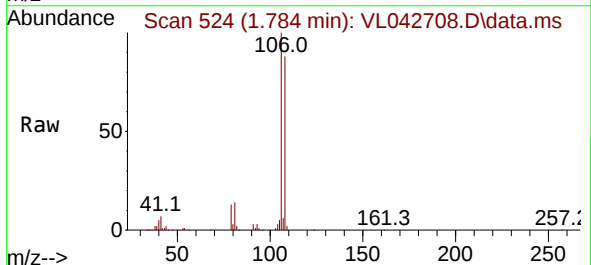
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

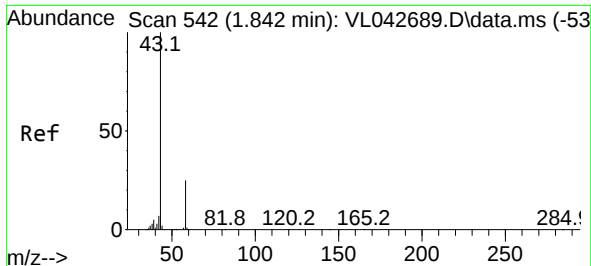
Tgt Ion: 45 Resp: 5286
Ion Ratio Lower Upper
45 100
46 37.9 15.2 60.8



#14
Bromoethene
Concen: 9.280 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 108 Resp: 33692
Ion Ratio Lower Upper
108 100
106 109.5 85.9 128.9
79 17.2 14.5 21.7

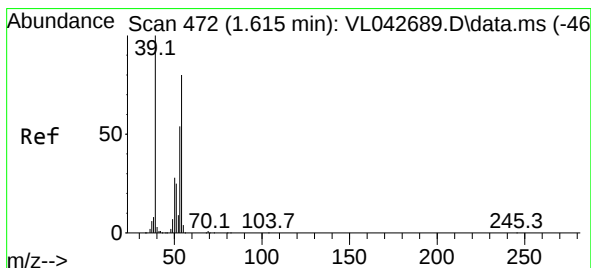
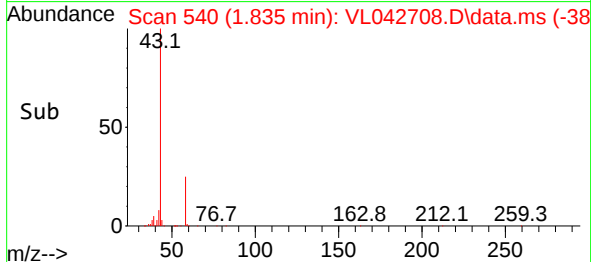
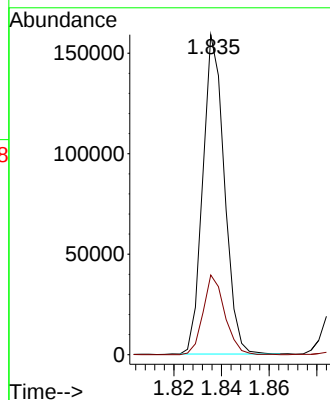
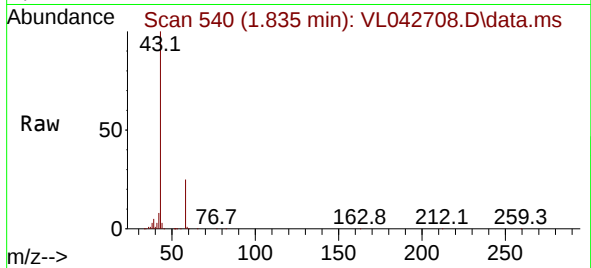




#15
Acetone
Concen: 8.468 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

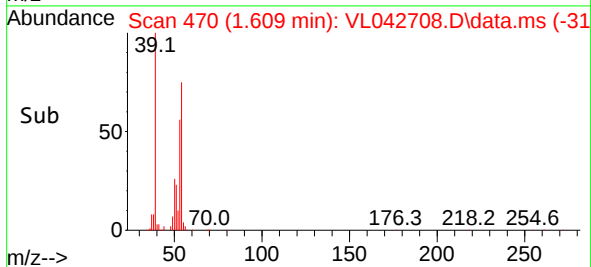
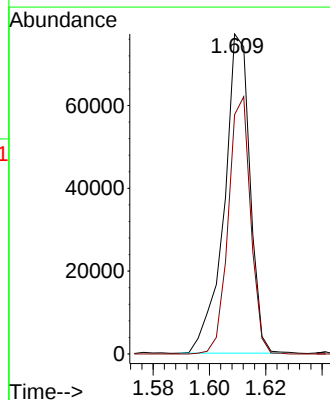
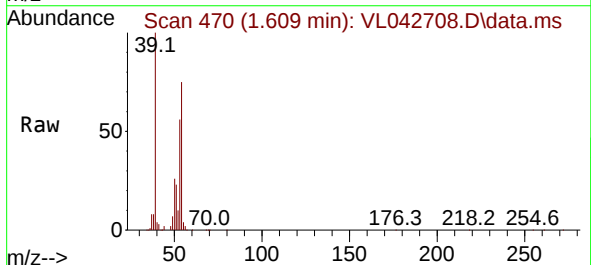
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

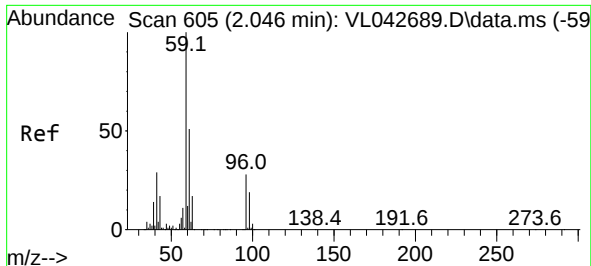
Tgt Ion: 43 Resp: 100130
Ion Ratio Lower Upper
43 100
58 25.1 20.6 31.0



#16
1,3-Butadiene
Concen: 8.975 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 39 Resp: 48902
Ion Ratio Lower Upper
39 100
54 69.8 54.9 82.3

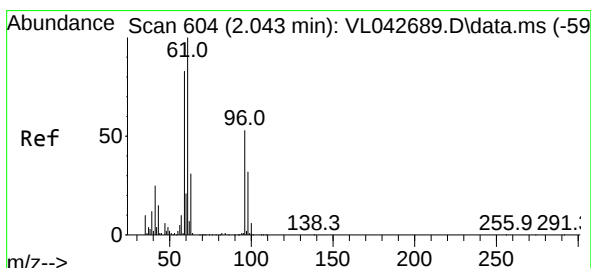
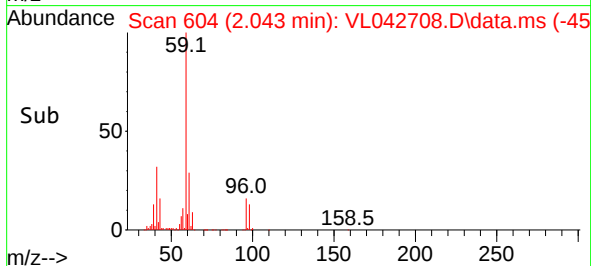
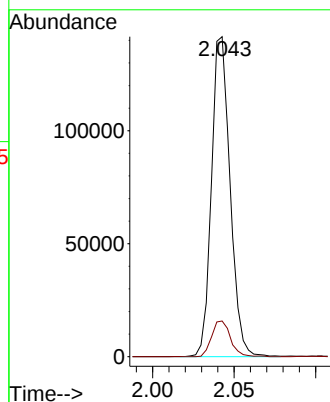
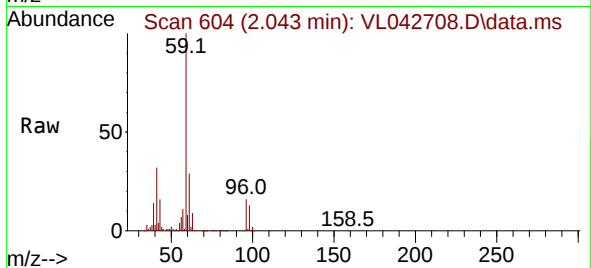




#17
tert-Butyl alcohol
Concen: 9.759 ppbv
RT: 2.043 min Scan# 605
Delta R.T. -0.003 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

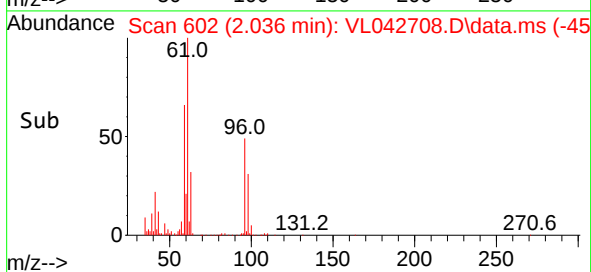
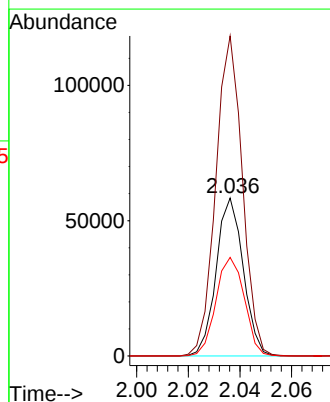
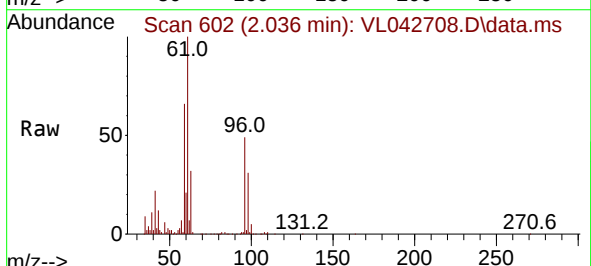
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

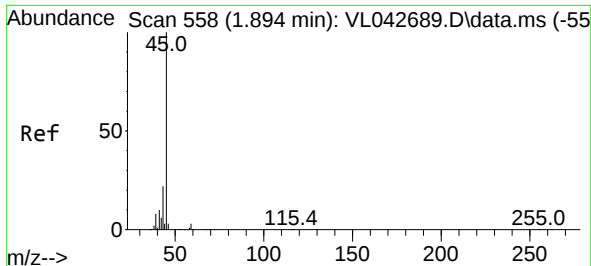
Tgt Ion: 59 Resp: 112571
Ion Ratio Lower Upper
59 100
57 11.3 8.8 13.2



#18
1,1-Dichloroethene
Concen: 9.192 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 96 Resp: 42541
Ion Ratio Lower Upper
96 100
61 202.5 151.0 226.6
98 62.4 49.0 73.4

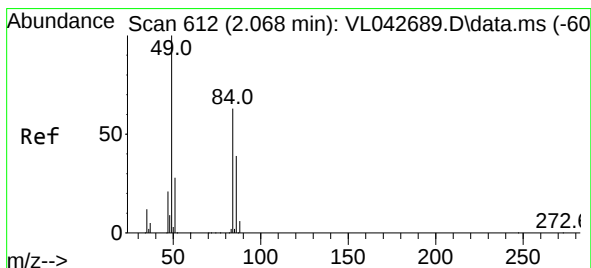
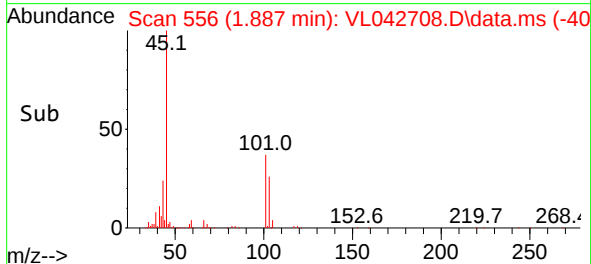
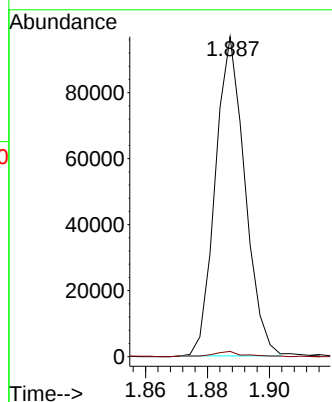
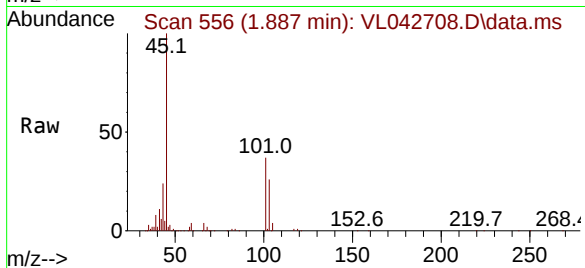




#19
Isopropyl Alcohol
Concen: 9.427 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

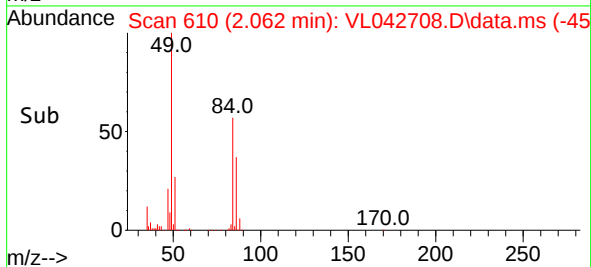
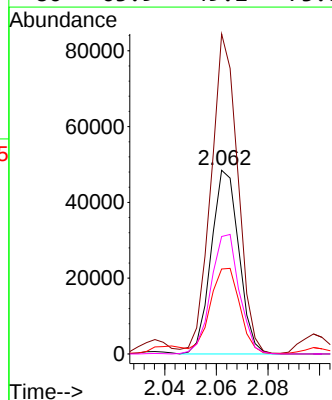
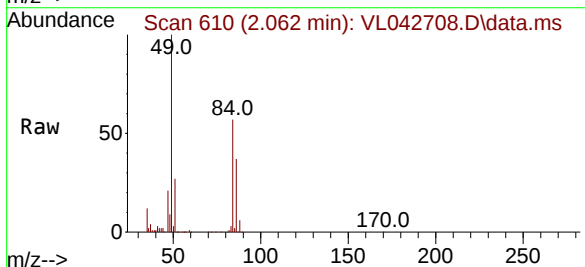
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

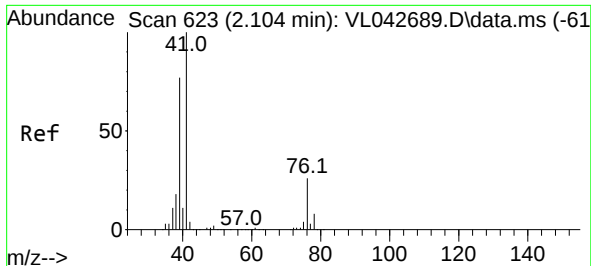
Tgt Ion: 45 Resp: 64075
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.2



#20
Methylene Chloride
Concen: 7.979 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 84 Resp: 36078
Ion Ratio Lower Upper
84 100
49 173.6 128.6 193.0
51 46.0 37.4 56.2
86 63.9 49.2 73.8

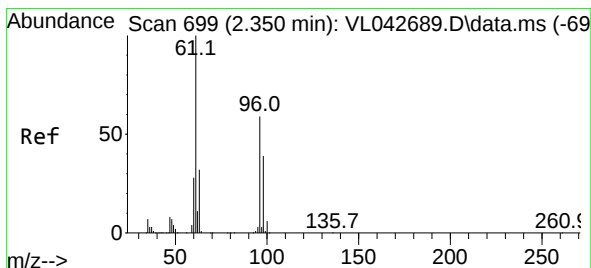
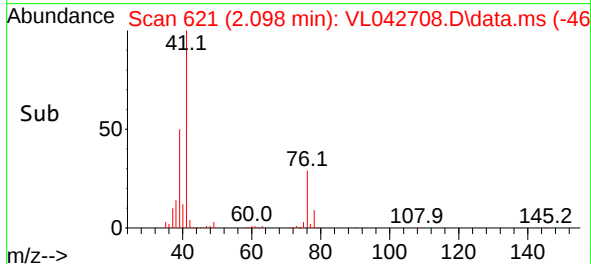
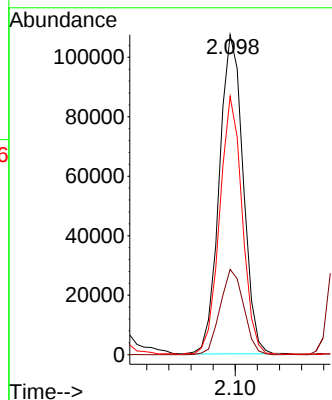
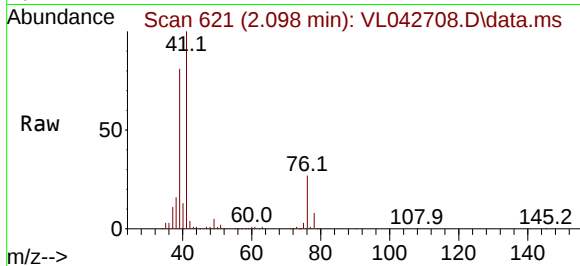




#21
 Allyl Chloride
 Concen: 9.735 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

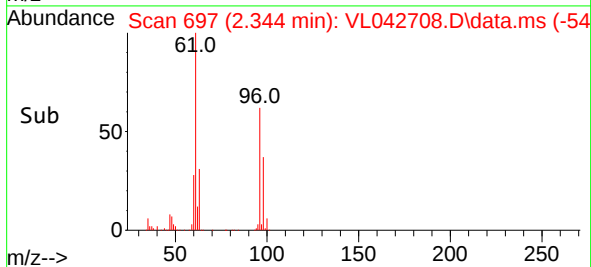
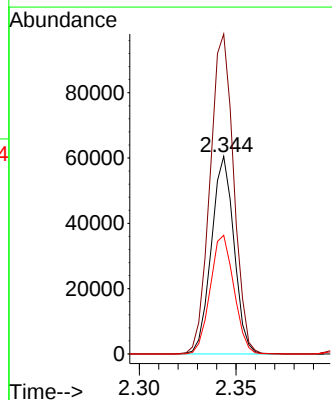
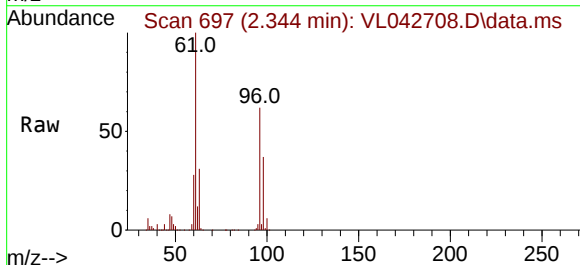
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

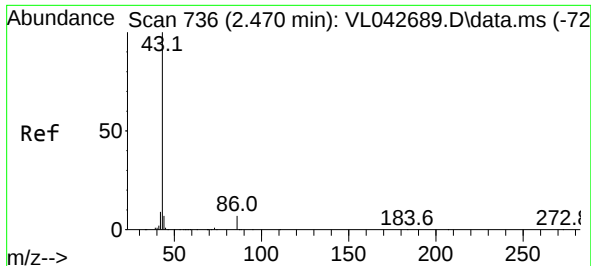
Tgt Ion: 41 Resp: 80293
 Ion Ratio Lower Upper
 41 100
 76 26.4 21.7 32.5
 39 76.5 63.4 95.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.745 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 96 Resp: 49124
 Ion Ratio Lower Upper
 96 100
 61 161.9 136.5 204.7
 98 60.1 53.5 80.3



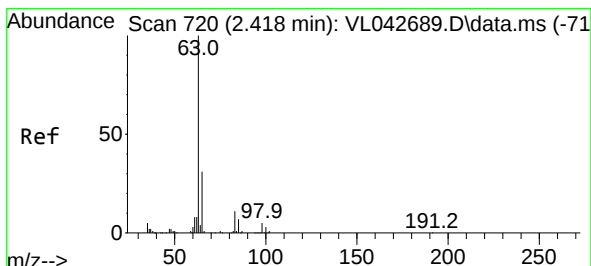
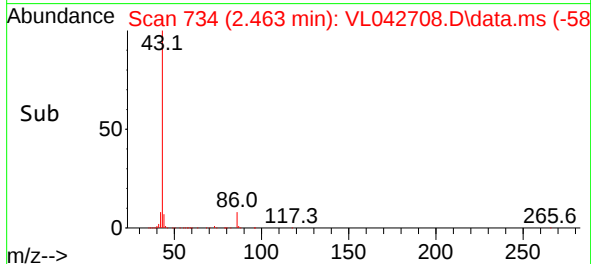
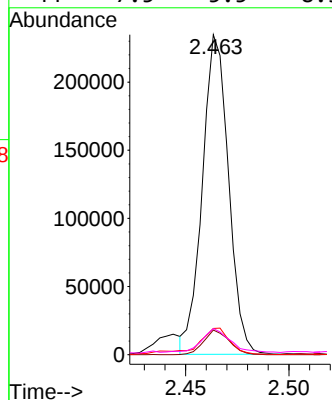
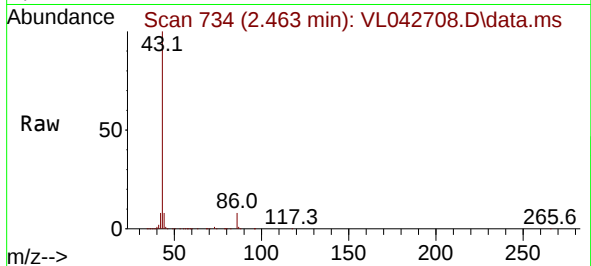


#23
 Vinyl Acetate
 Concen: 10.826 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tgt Ion: 43 Resp: 207164

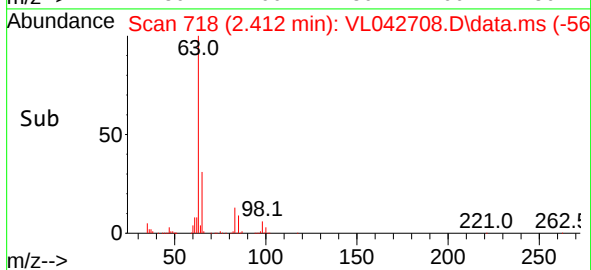
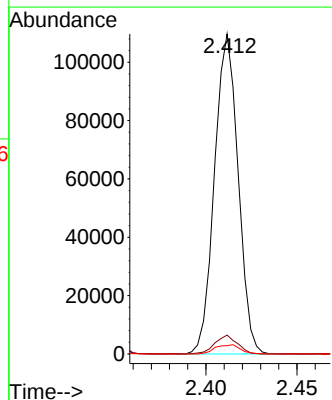
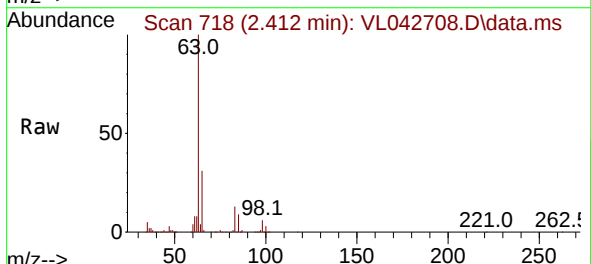
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.6
42	8.2	7.2	10.8
44	7.5	5.5	8.3

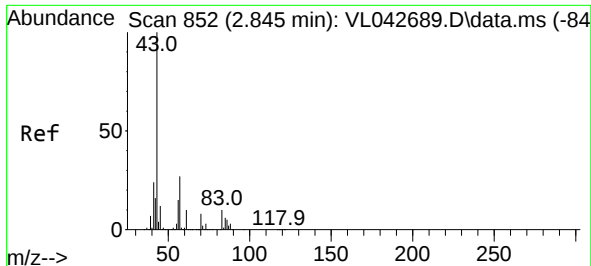


#24
 1,1-Dichloroethane
 Concen: 9.486 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 63 Resp: 98838

Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.5	7.6
100	2.6	1.7	5.0



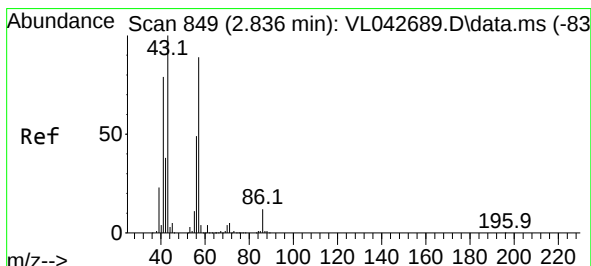
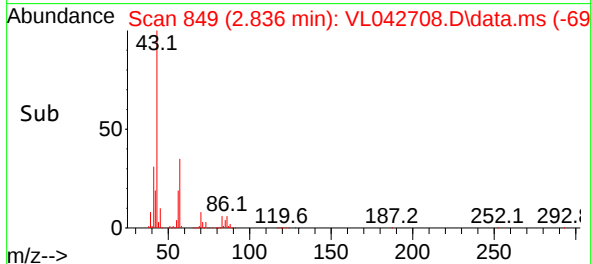
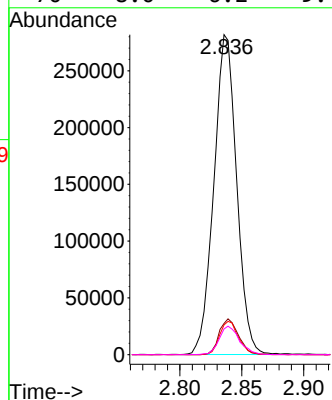
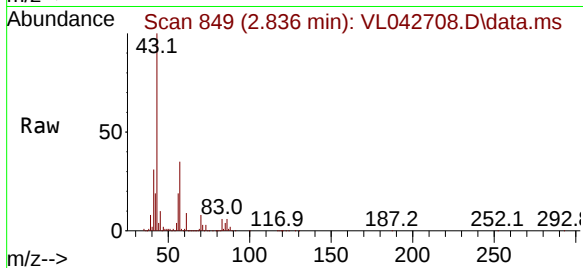


#25
Ethyl Acetate
Concen: 10.089 ppbv
RT: 2.836 min Scan# 847
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tgt Ion: 43 Resp: 360877

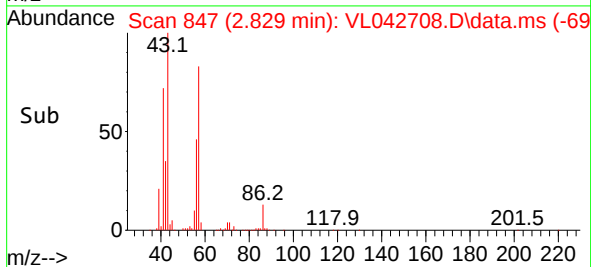
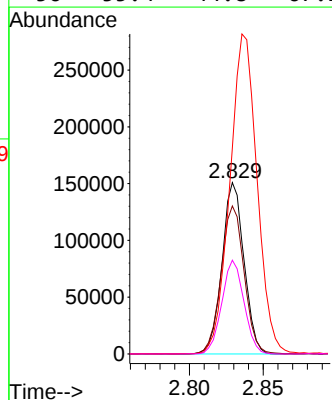
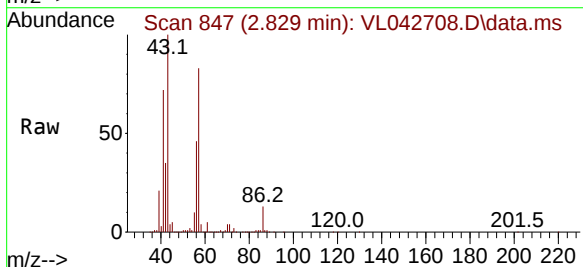
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.7	7.0	10.6
70	8.0	6.2	9.4

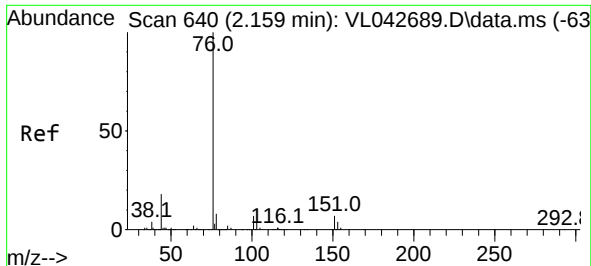


#26
Hexane
Concen: 10.460 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 57 Resp: 156100

Ion	Ratio	Lower	Upper
57	100		
41	90.9	73.7	110.5
43	232.4	190.6	285.8
56	55.4	44.8	67.2

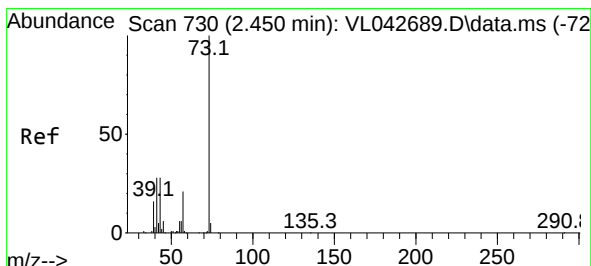
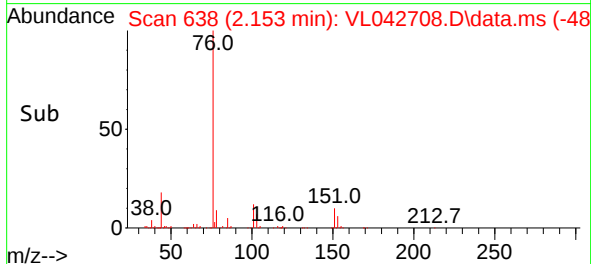
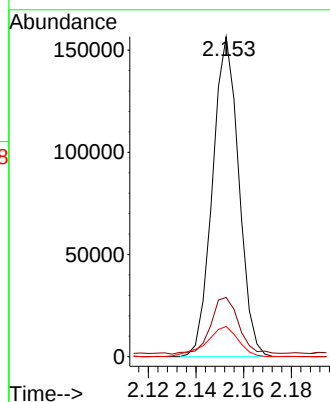
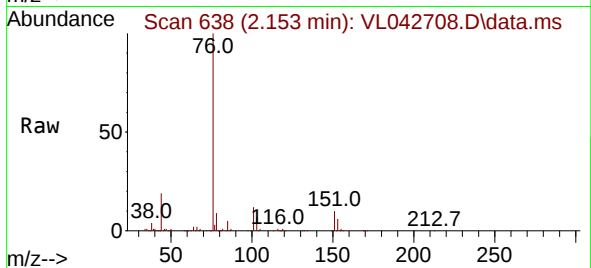




#27
Carbon Disulfide
Concen: 9.858 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

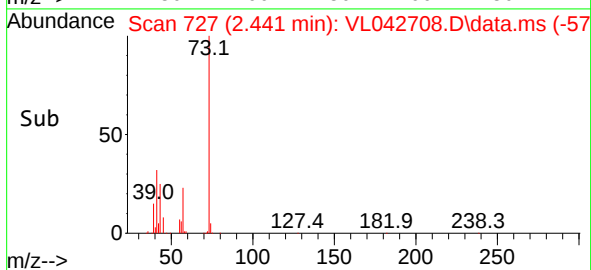
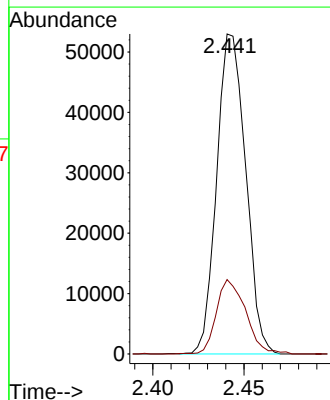
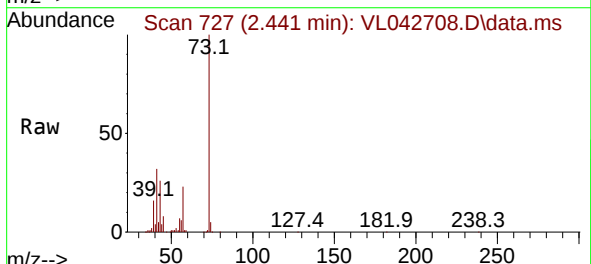
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

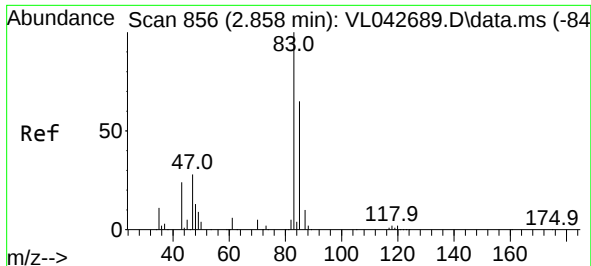
Tgt Ion: 76 Resp: 119974
Ion Ratio Lower Upper
76 100
44 19.3 15.6 23.4
78 11.5 9.2 13.8



#28
Methyl tert-Butyl Ether
Concen: 9.594 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 73 Resp: 58582
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9





#29

Chloroform

Concen: 9.494 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

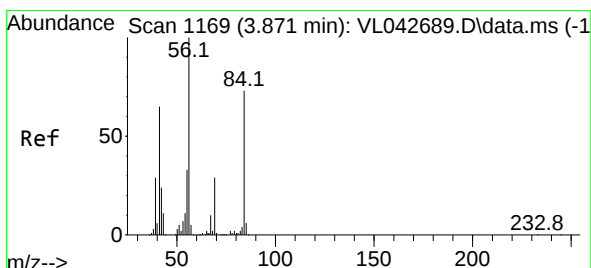
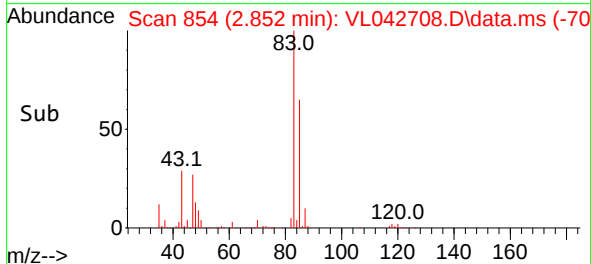
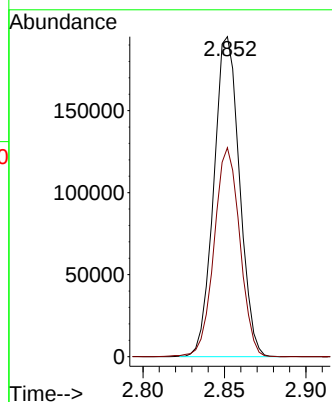
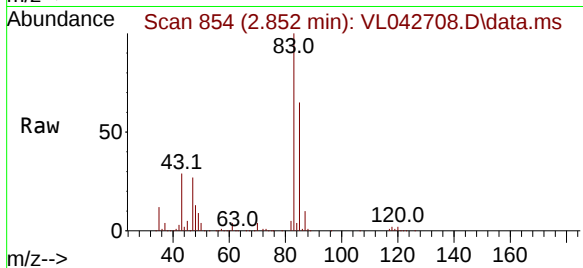
VL0708ABS01

Tgt Ion: 83 Resp: 214005

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6



#30

Cyclohexane

Concen: 10.631 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. -0.010 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

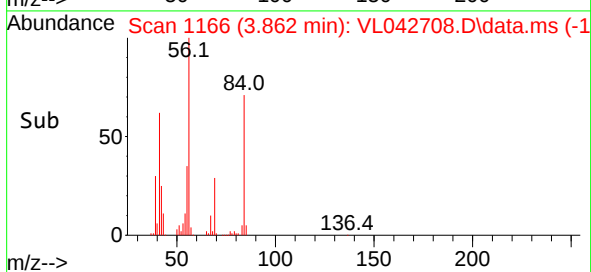
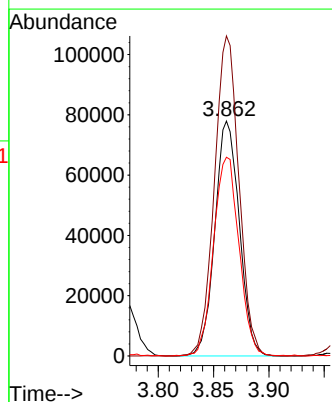
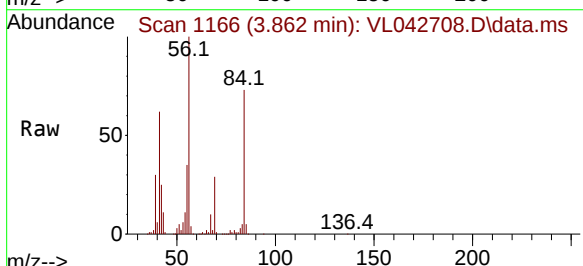
Tgt Ion: 84 Resp: 119620

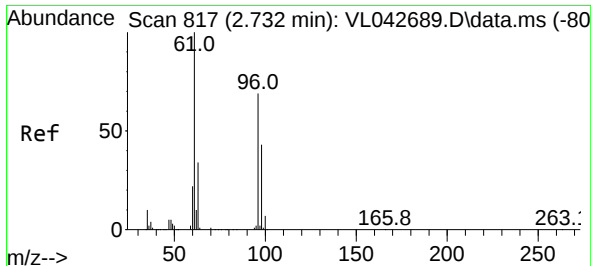
Ion Ratio Lower Upper

84 100

56 136.7 110.4 165.6

41 88.3 71.4 107.0

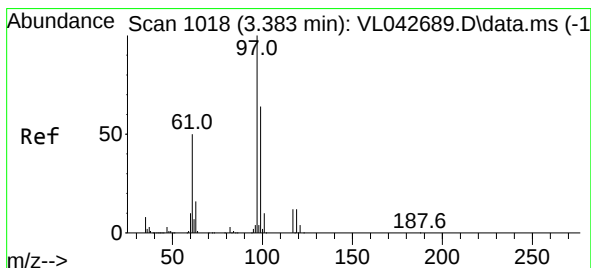
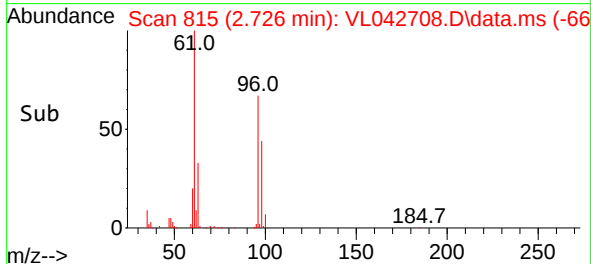
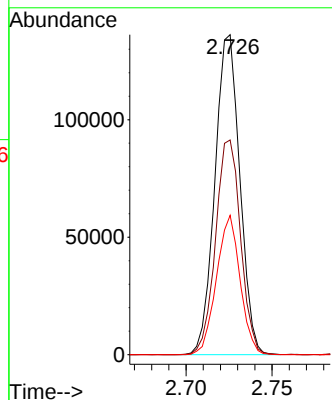
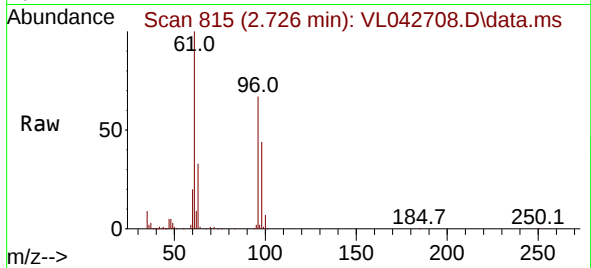




#31
 cis-1,2-Dichloroethene
 Concen: 9.676 ppbv
 RT: 2.726 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

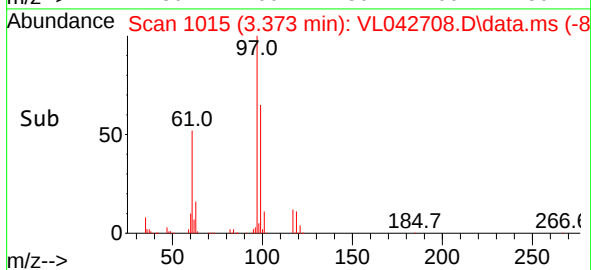
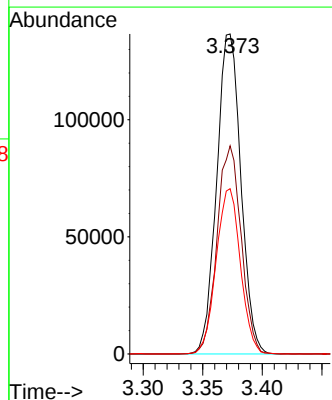
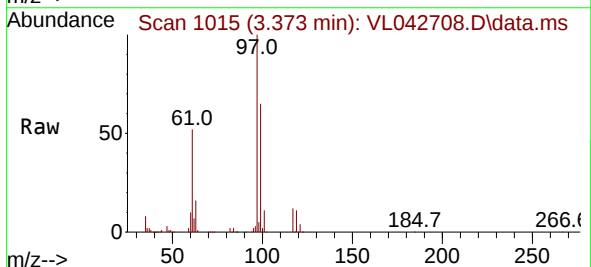
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

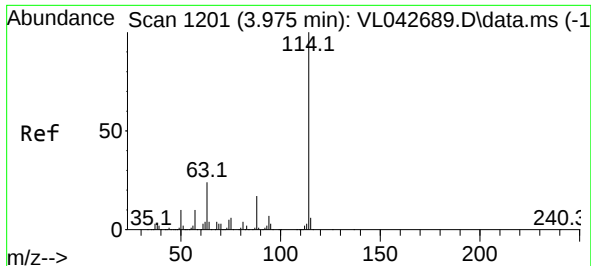
Tgt Ion: 61 Resp: 137431
 Ion Ratio Lower Upper
 61 100
 96 67.1 54.8 82.2
 98 43.6 34.7 52.1



#32
 1,1,1-Trichloroethane
 Concen: 8.934 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.010 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 97 Resp: 193210
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 51.8 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.013 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

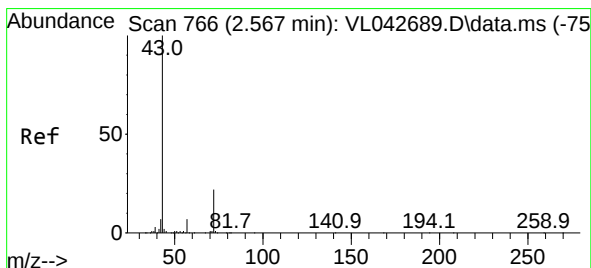
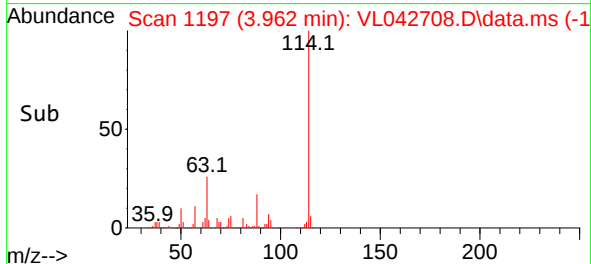
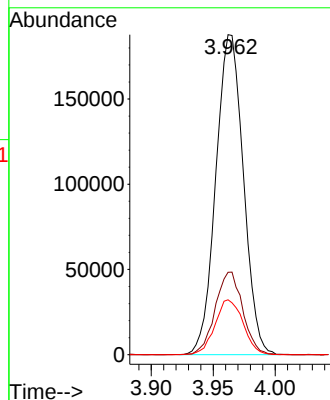
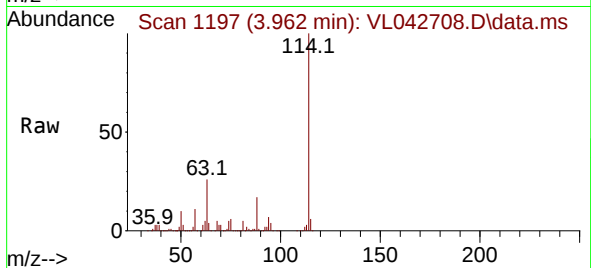
Tgt Ion:114 Resp: 291223

Ion Ratio Lower Upper

114 100

63 25.8 20.4 30.6

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 10.151 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.010 min

Lab File: VL042708.D

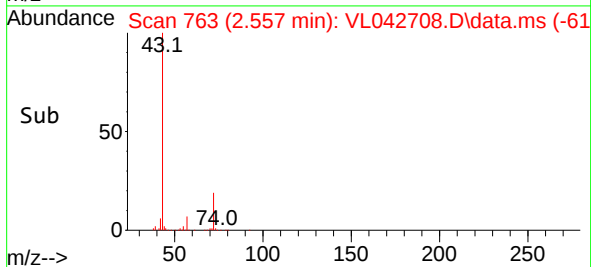
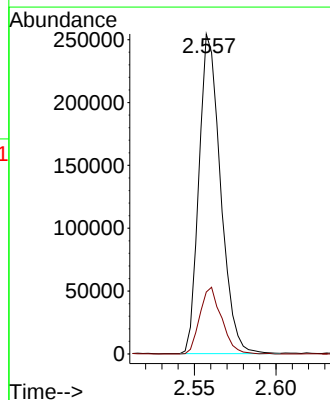
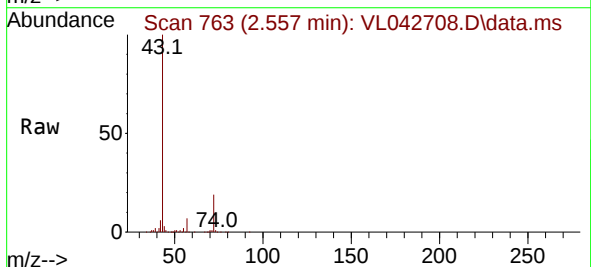
Acq: 08 Jul 2025 10:26

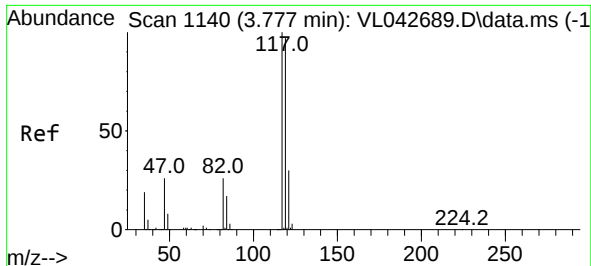
Tgt Ion: 43 Resp: 233979

Ion Ratio Lower Upper

43 100

72 21.0 17.1 25.7

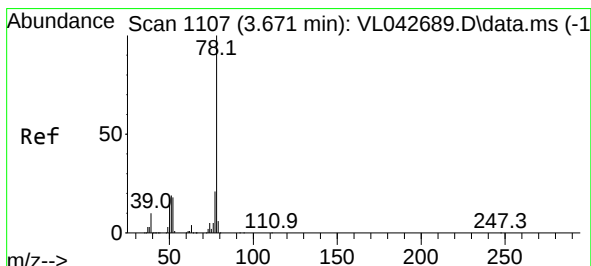
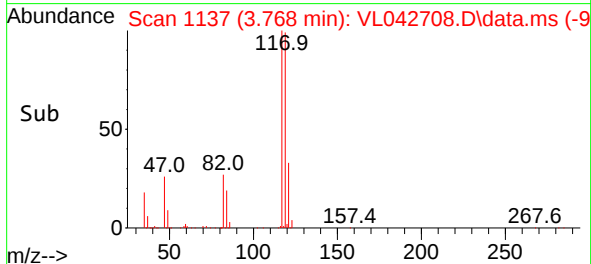
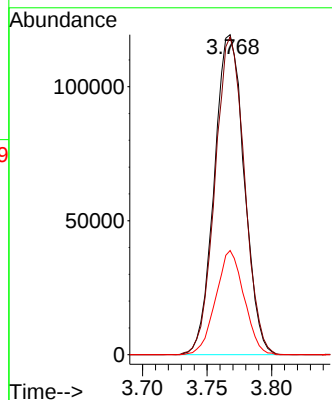
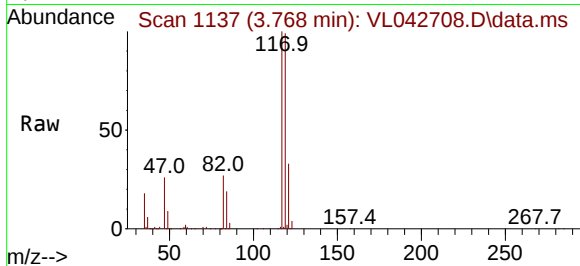




#35
Carbon Tetrachloride
Concen: 9.535 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

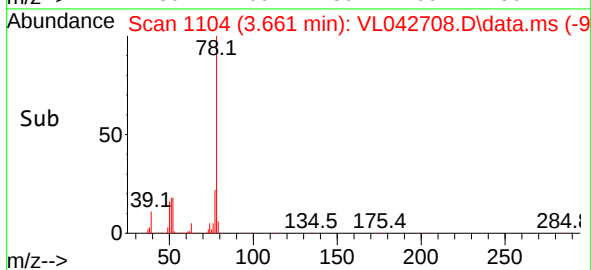
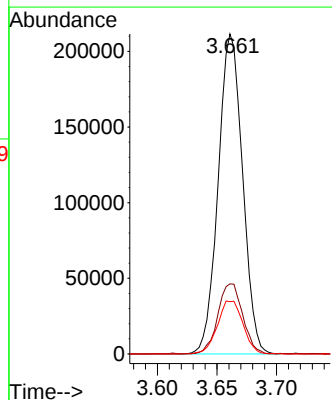
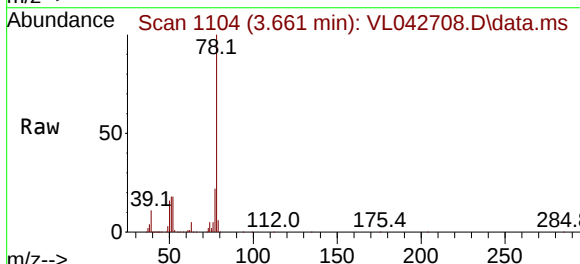
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

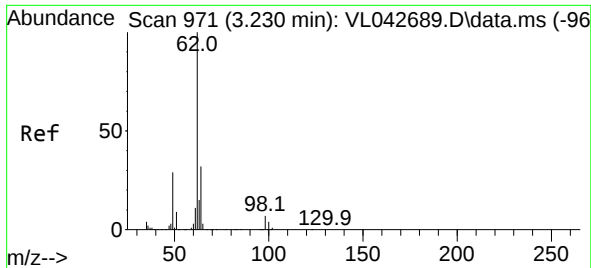
Tgt Ion:117 Resp: 192144
Ion Ratio Lower Upper
117 100
119 99.3 77.6 116.4
121 32.5 24.0 36.0



#36
Benzene
Concen: 10.235 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 78 Resp: 300420
Ion Ratio Lower Upper
78 100
77 21.8 17.0 25.4
50 16.3 13.7 20.5





#37

1,2-Dichloroethane

Concen: 9.570 ppbv

RT: 3.224 min Scan# 9

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

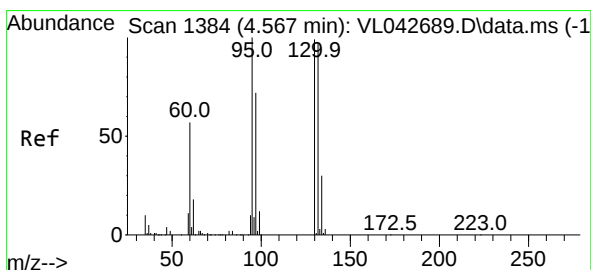
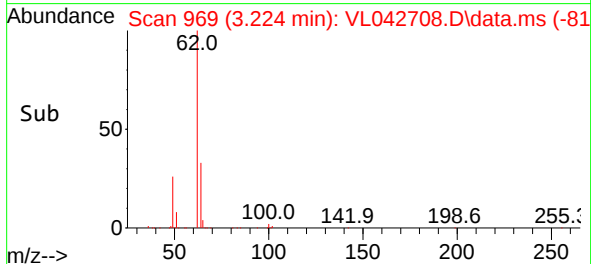
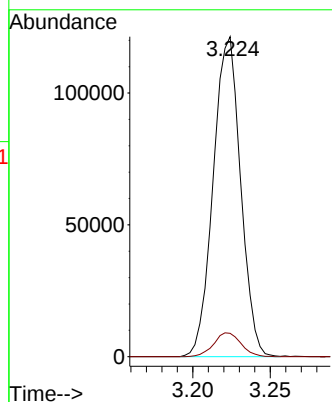
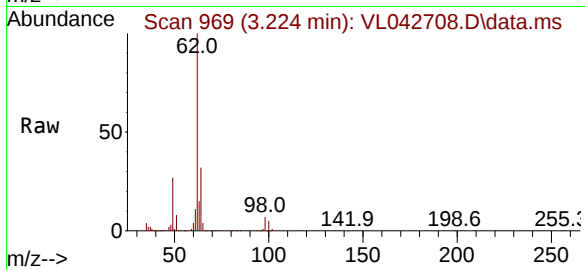
VL0708ABS01

Tgt Ion: 62 Resp: 149176

Ion Ratio Lower Upper

62 100

98 7.4 5.8 8.8



#38

Trichloroethene

Concen: 9.166 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.013 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Tgt Ion:130 Resp: 116222

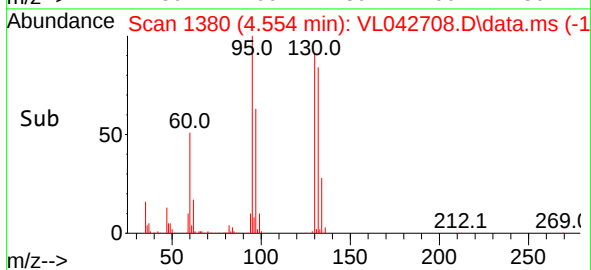
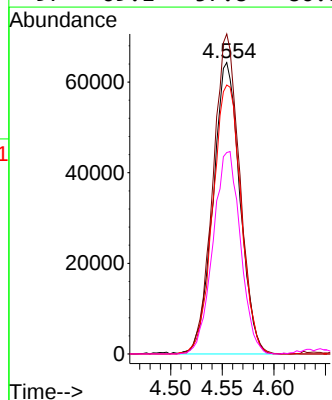
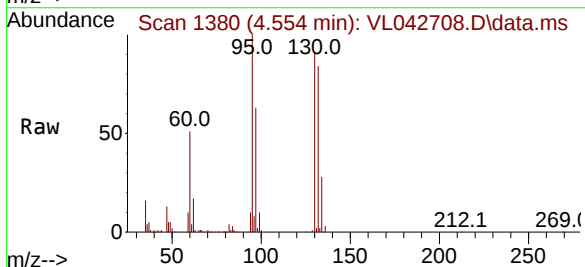
Ion Ratio Lower Upper

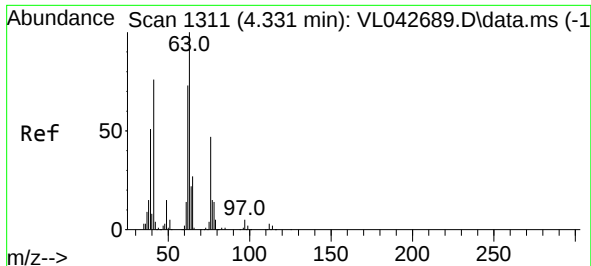
130 100

95 109.8 81.1 121.7

132 92.3 77.9 116.9

97 69.1 57.8 86.8





#39

1,2-Dichloropropane

Concen: 9.923 ppbv

RT: 4.318 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

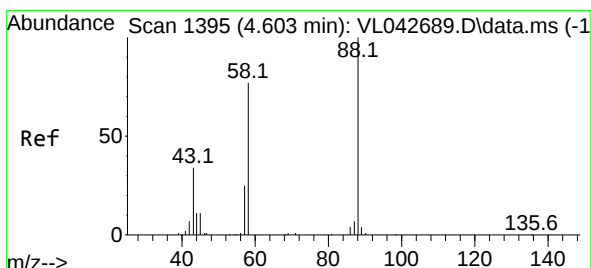
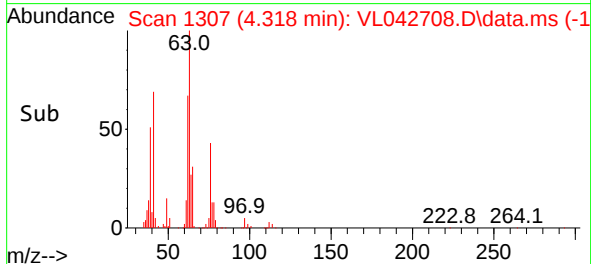
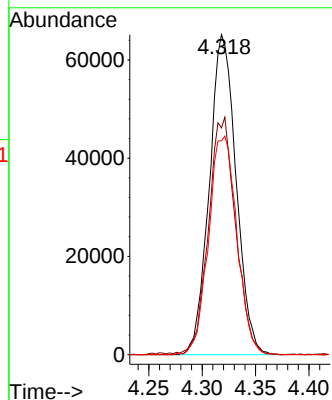
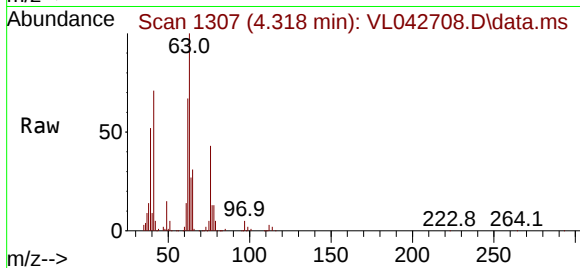
Tgt Ion: 63 Resp: 113591

Ion Ratio Lower Upper

63 100

41 70.9 60.8 91.2

62 66.8 58.6 87.8



#40

1,4-Dioxane

Concen: 10.397 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.013 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Tgt Ion: 88 Resp: 46119

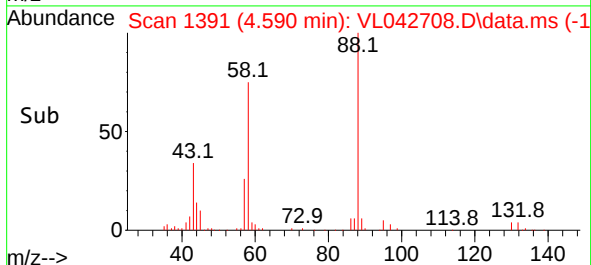
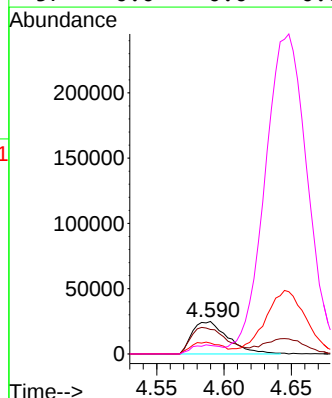
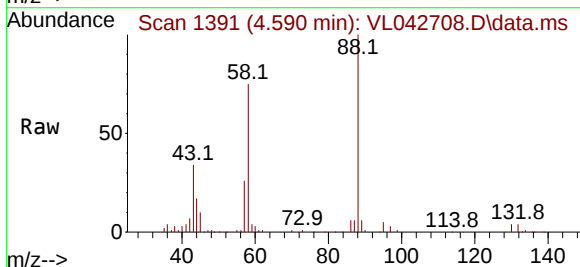
Ion Ratio Lower Upper

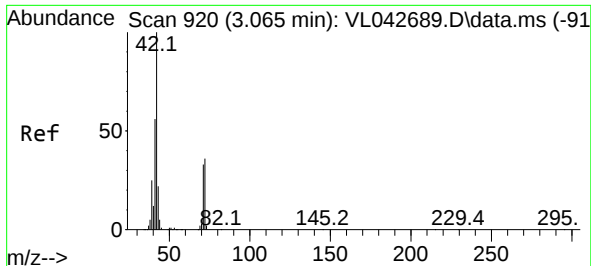
88 100

58 78.8 62.1 93.1

43 31.0 26.2 39.2

57 0.0 0.0 0.0

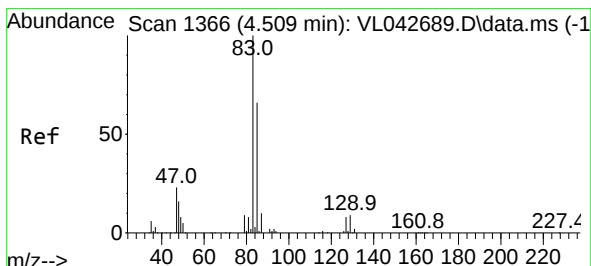
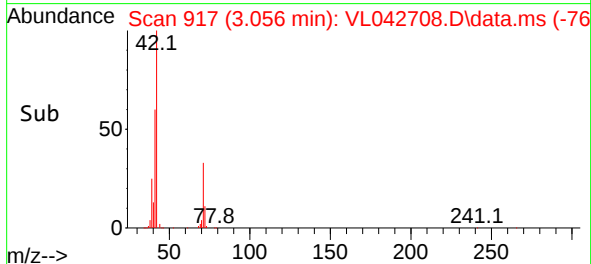
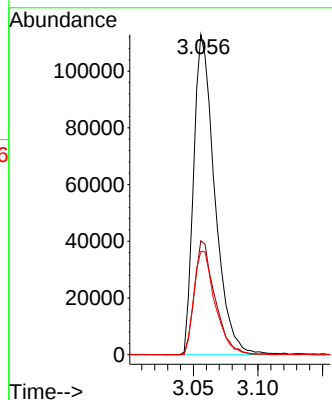
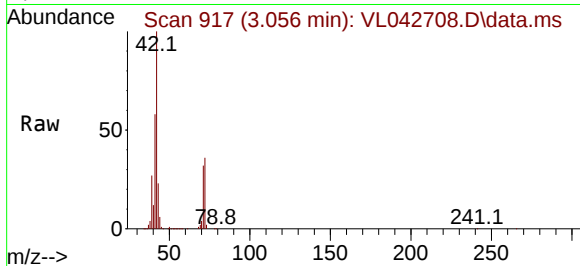




#41
Tetrahydrofuran
Concen: 10.947 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

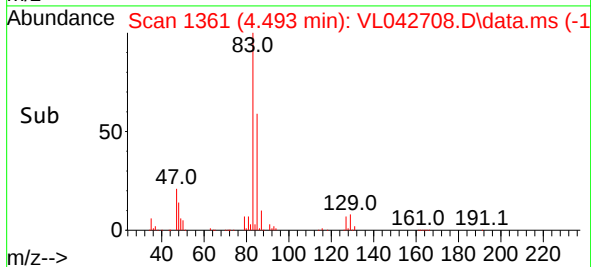
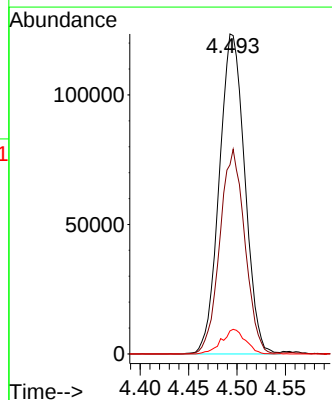
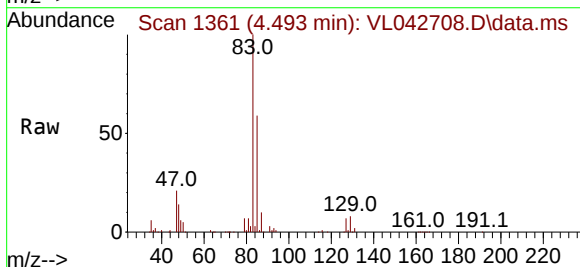
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

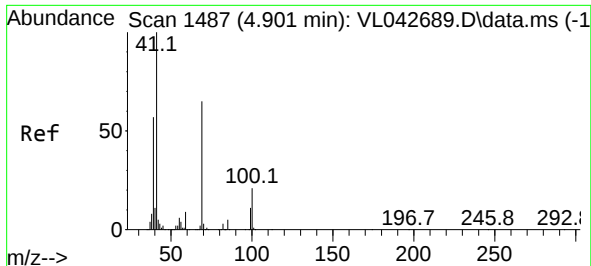
Tgt Ion: 42 Resp: 128588
Ion Ratio Lower Upper
42 100
72 34.7 28.2 42.4
71 32.6 25.4 38.0



#42
Bromodichloromethane
Concen: 10.244 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.016 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 83 Resp: 226186
Ion Ratio Lower Upper
83 100
85 59.1 52.5 78.7
127 7.2 6.1 9.1

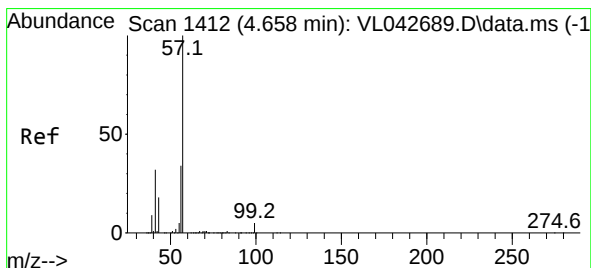
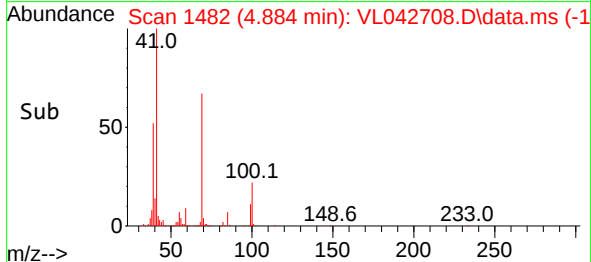
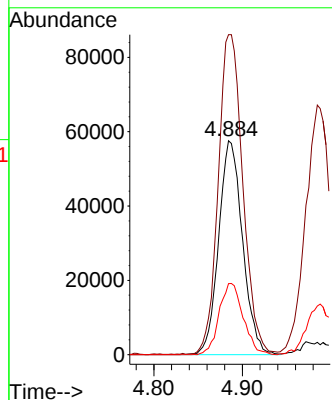
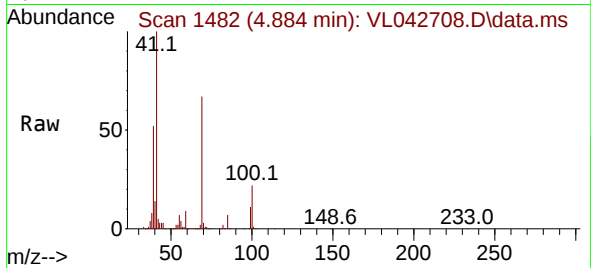




#43
Methyl Methacrylate
Concen: 11.426 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. -0.016 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

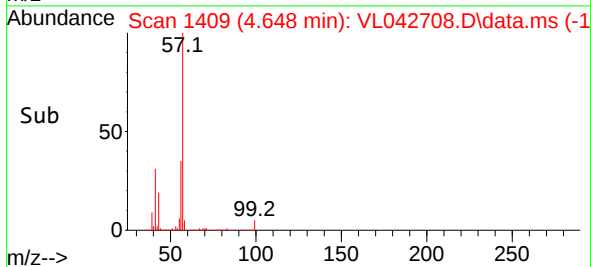
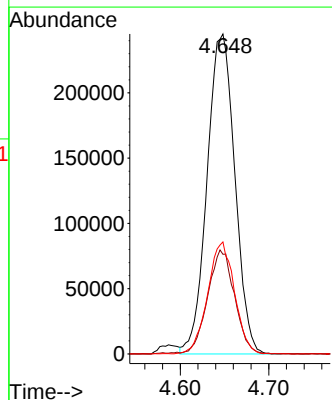
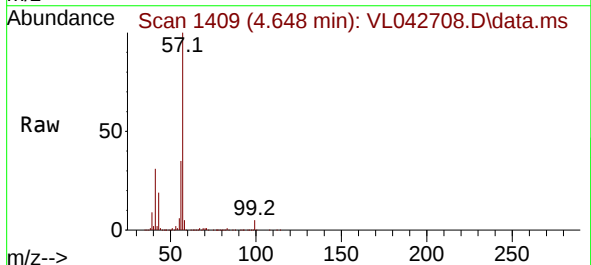
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

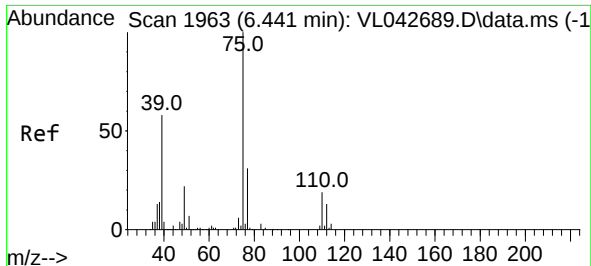
Tgt Ion: 69 Resp: 107852
Ion Ratio Lower Upper
69 100
41 154.8 125.4 188.2
100 33.6 26.4 39.6



#44
2,2,4-Trimethylpentane
Concen: 10.850 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 57 Resp: 534947
Ion Ratio Lower Upper
57 100
41 31.9 25.2 37.8
56 33.8 26.3 39.5





#45

t-1,3-Dichloropropene

Concen: 10.952 ppbv

RT: 6.422 min Scan# 1963

Delta R.T. -0.019 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_1

ClientSampleId :

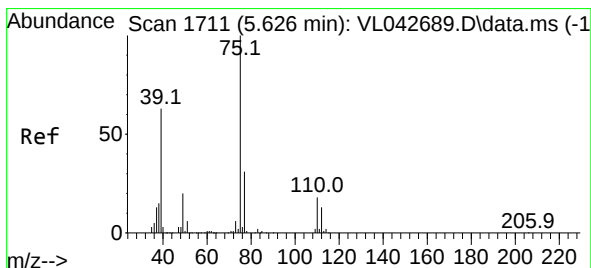
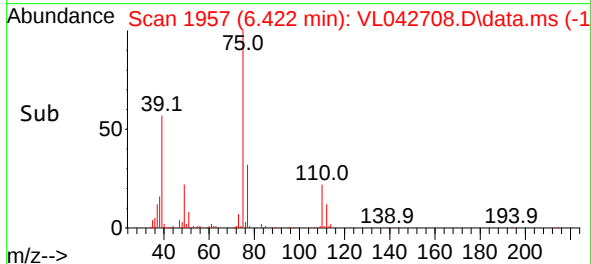
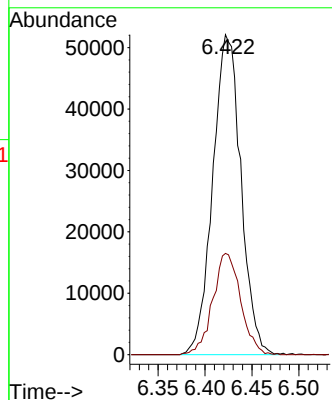
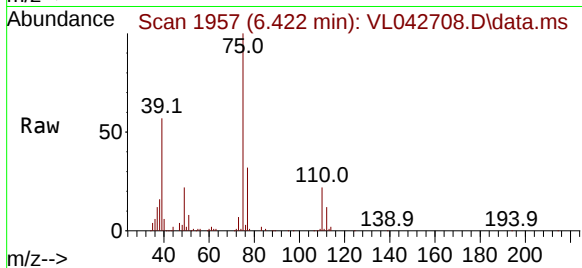
VL0708ABS01

Tgt Ion: 75 Resp: 108517

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 10.590 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.016 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

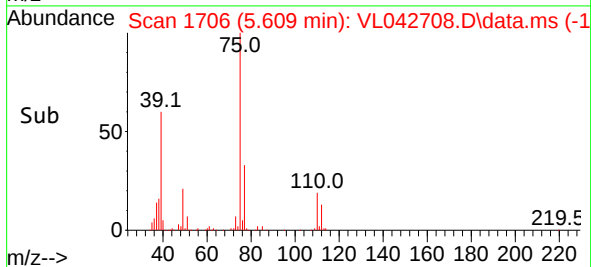
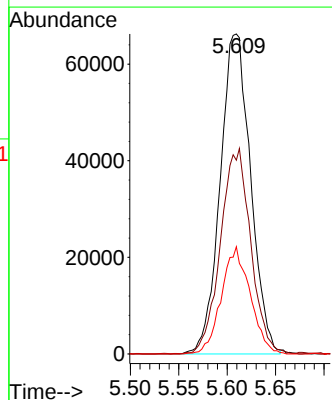
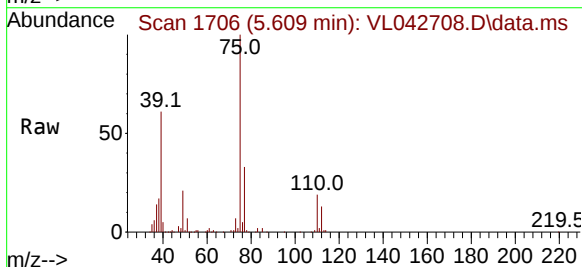
Tgt Ion: 75 Resp: 144777

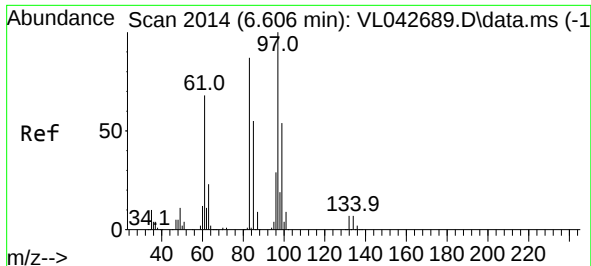
Ion Ratio Lower Upper

75 100

39 60.5 50.6 75.8

77 33.5 24.8 37.2



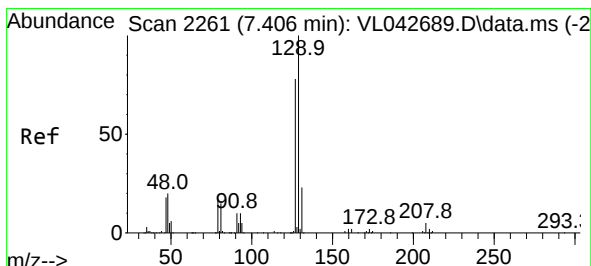
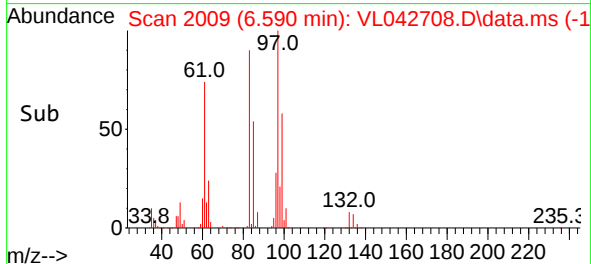
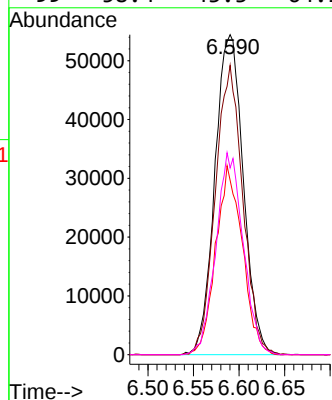
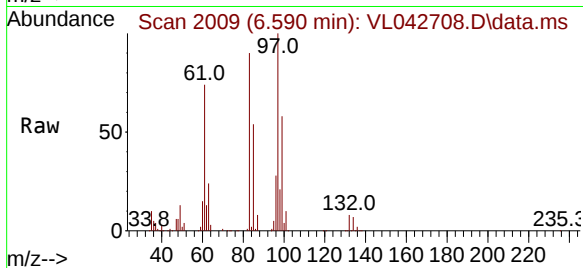


#47
 1,1,2-Trichloroethane
 Concen: 10.476 ppbv
 RT: 6.590 min Scan# 2014
 Delta R.T. -0.016 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tgt Ion: 97 Resp: 118108

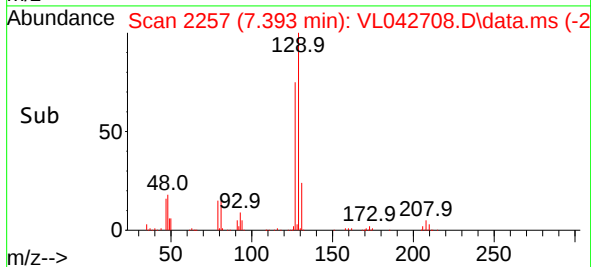
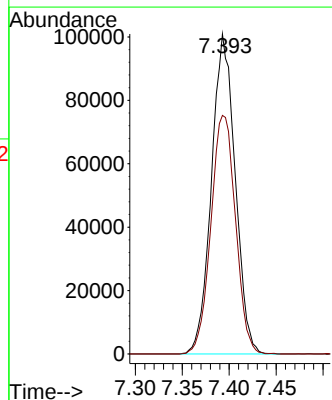
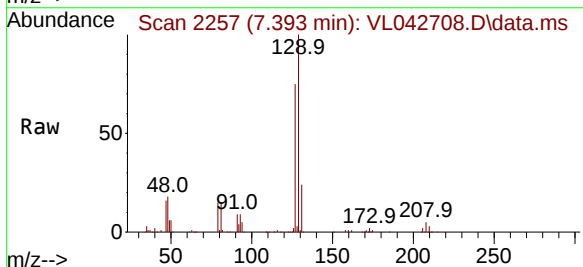
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.3	103.9
85	54.5	43.7	65.5
99	58.4	43.3	64.9

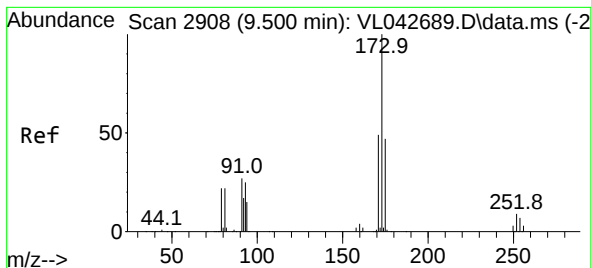


#48
 Dibromochloromethane
 Concen: 10.249 ppbv
 RT: 7.393 min Scan# 2257
 Delta R.T. -0.013 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 129 Resp: 176934

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.8





#49

Bromoform

Concen: 10.370 ppbv

RT: 9.490 min Scan# 2908

Delta R.T. -0.010 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

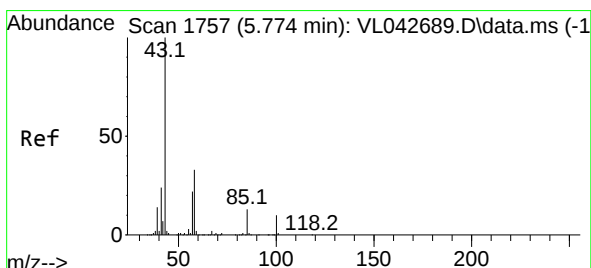
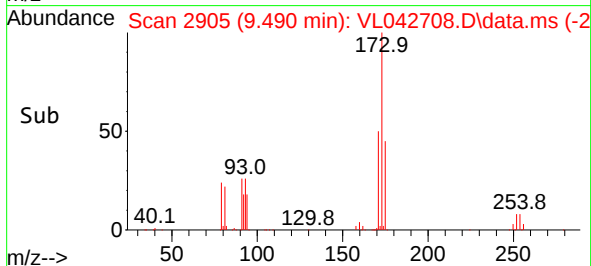
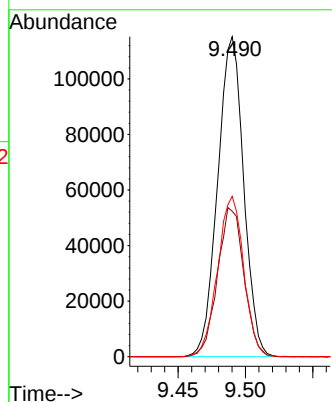
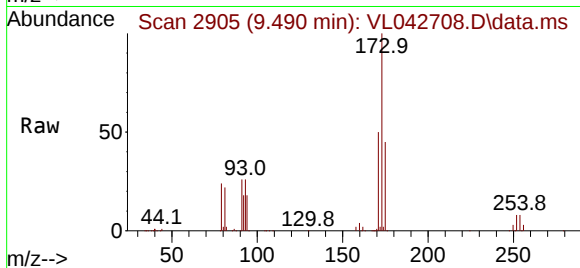
Tgt Ion:173 Resp: 154624

Ion Ratio Lower Upper

173 100

175 47.4 38.6 57.8

171 50.4 40.3 60.5



#50

4-Methyl-2-Pentanone

Concen: 11.390 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. -0.016 min

Lab File: VL042708.D

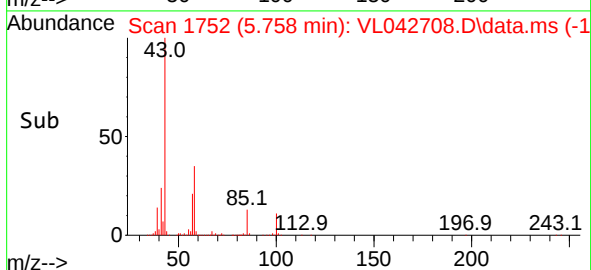
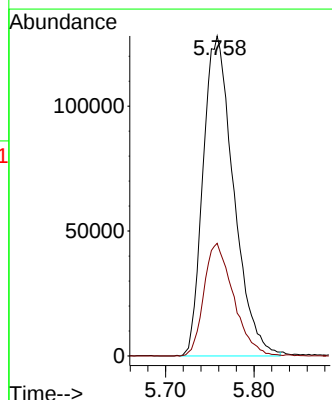
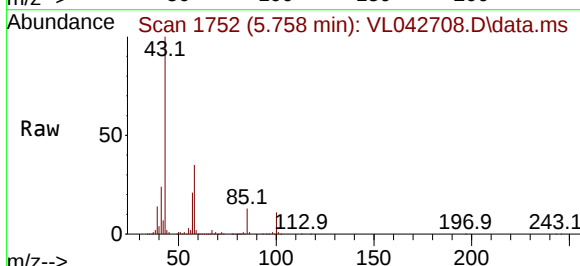
Acq: 08 Jul 2025 10:26

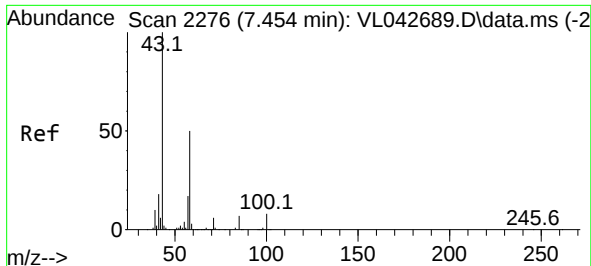
Tgt Ion: 43 Resp: 307423

Ion Ratio Lower Upper

43 100

58 34.2 27.5 41.3

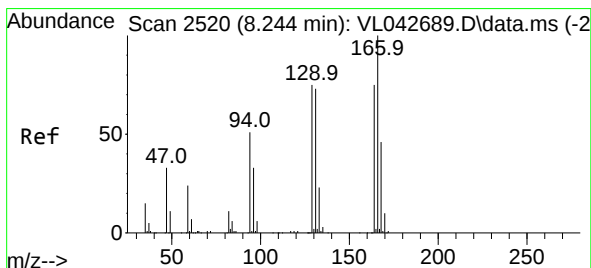
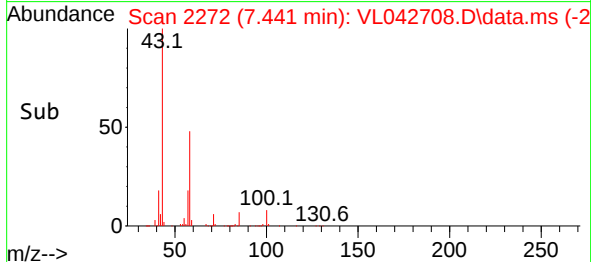
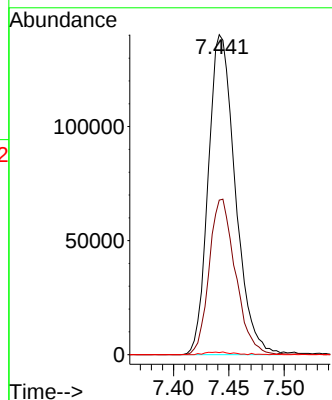
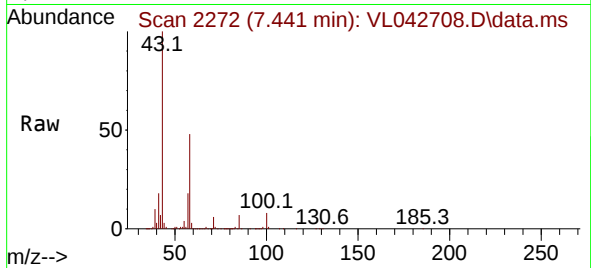




#51
2-Hexanone
Concen: 12.147 ppbv
RT: 7.441 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

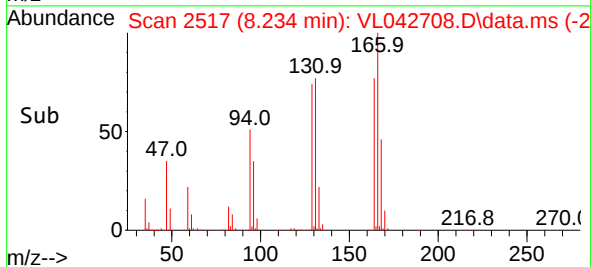
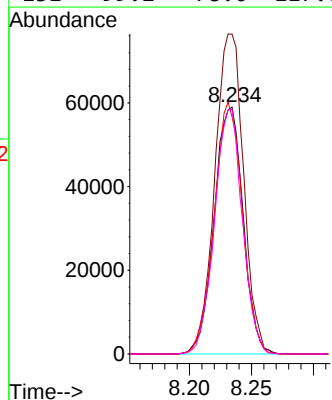
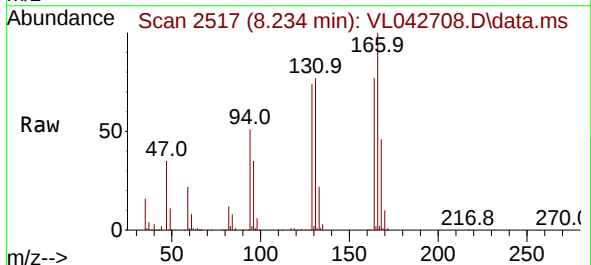
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

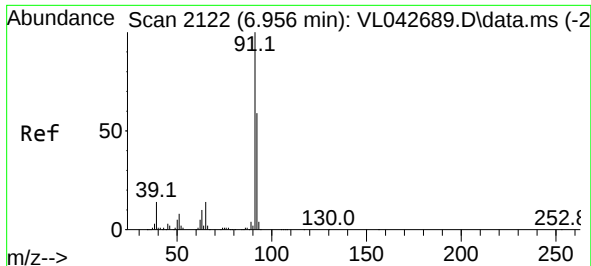
Tgt Ion: 43 Resp: 238529
Ion Ratio Lower Upper
43 100
58 47.4 38.6 57.8
98 1.0 0.6 1.0



#52
Tetrachloroethene
Concen: 9.786 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 164 Resp: 96008
Ion Ratio Lower Upper
164 100
166 129.4 106.6 160.0
129 96.1 79.8 119.6
131 99.2 78.0 117.0

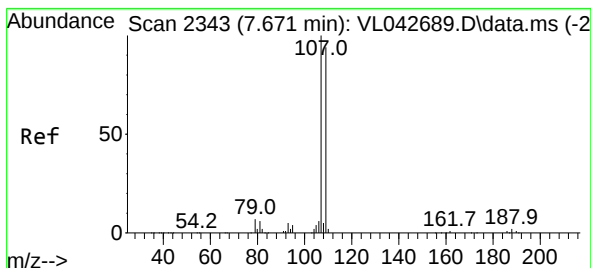
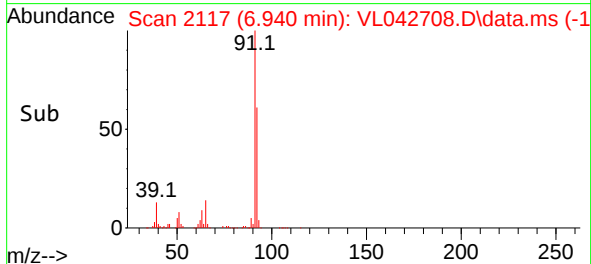
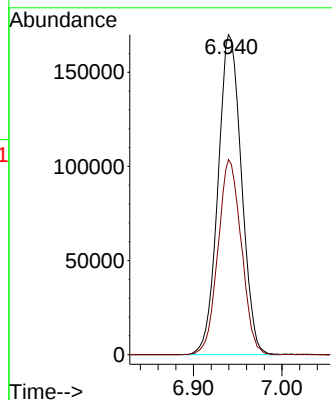
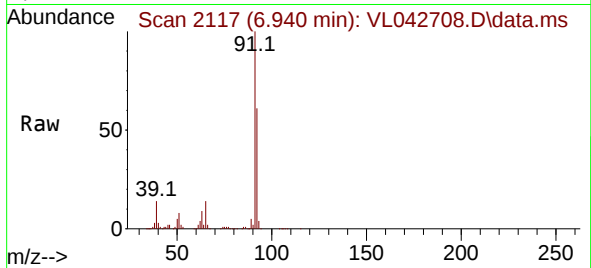




#53
Toluene
Concen: 11.444 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. -0.016 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

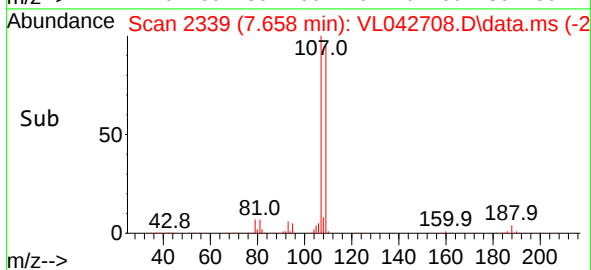
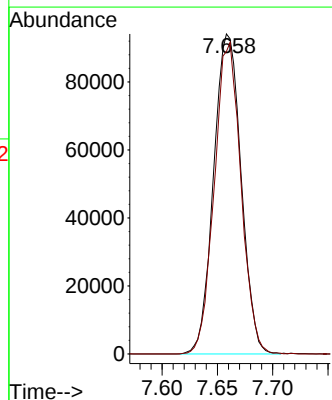
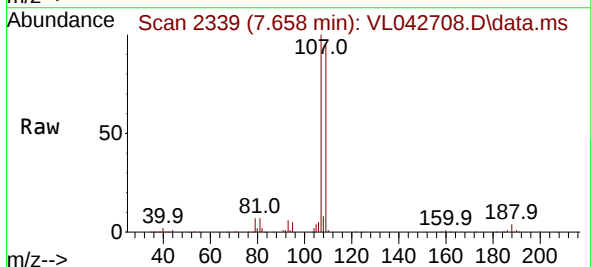
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

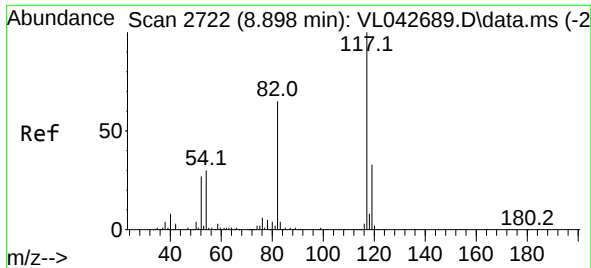
Tgt Ion: 91 Resp: 313640
Ion Ratio Lower Upper
91 100
92 60.7 47.4 71.2



#54
1,2-Dibromoethane
Concen: 10.349 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.013 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 107 Resp: 162648
Ion Ratio Lower Upper
107 100
109 94.5 74.8 112.2

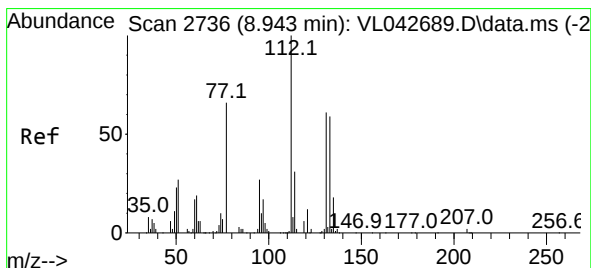
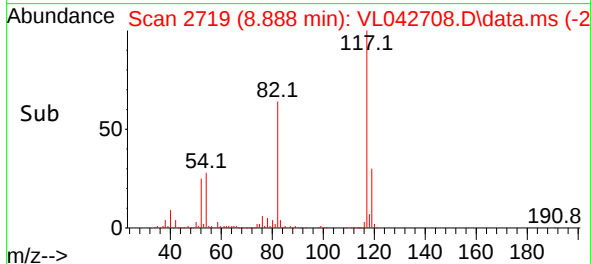
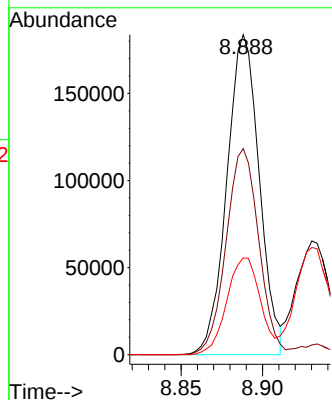
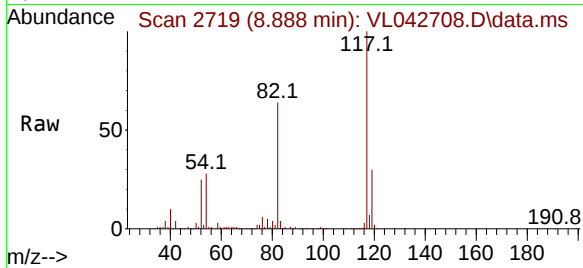




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

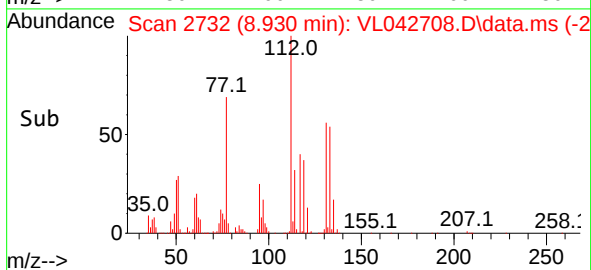
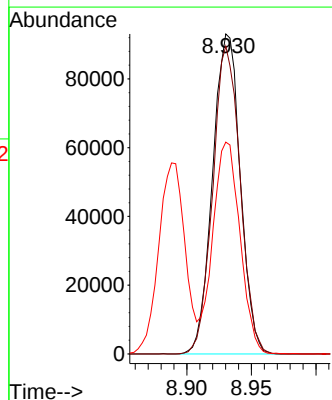
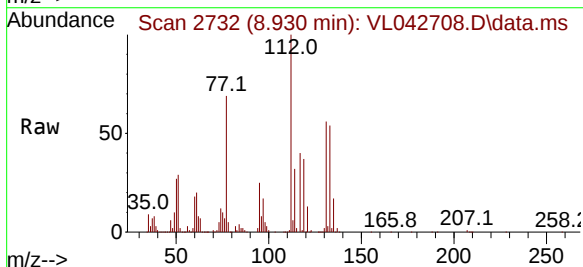
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

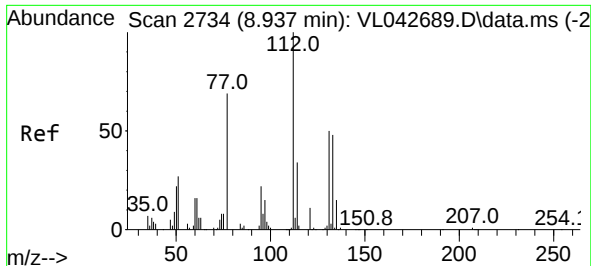
Tgt Ion:117 Resp: 254883
Ion Ratio Lower Upper
117 100
82 67.9 53.4 80.2
119 30.4 26.6 39.8



#56
1,1,1,2-Tetrachloroethane
Concen: 10.056 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.013 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion:131 Resp: 138596
Ion Ratio Lower Upper
131 100
133 95.4 77.3 115.9
119 64.2 52.6 78.8

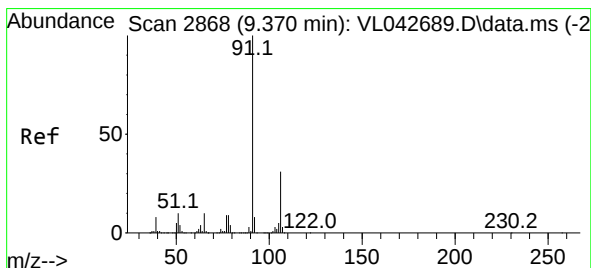
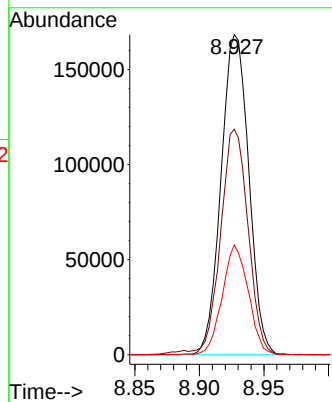
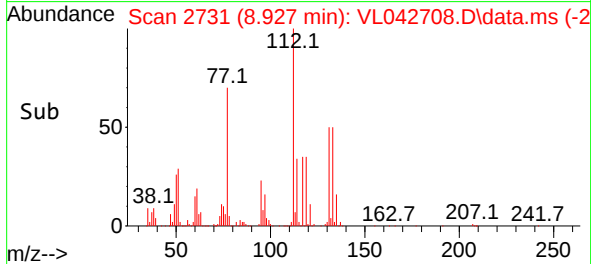
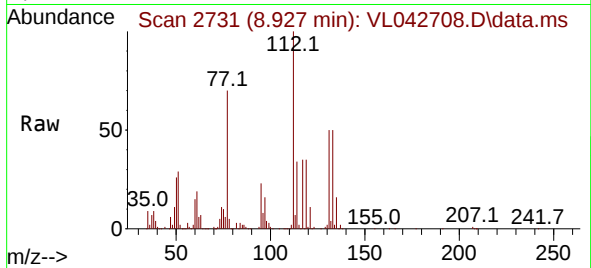




#57
Chlorobenzene
Concen: 9.826 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

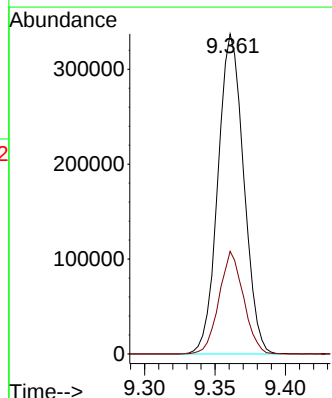
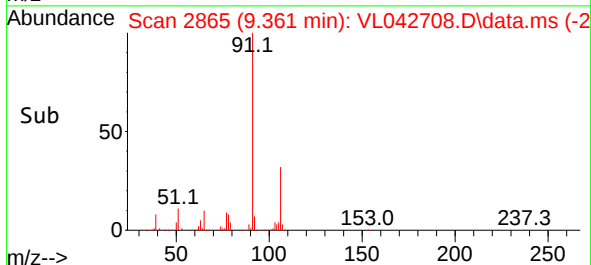
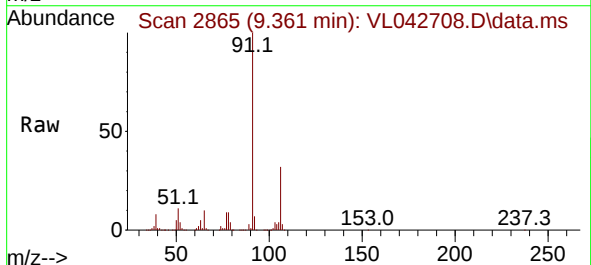
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

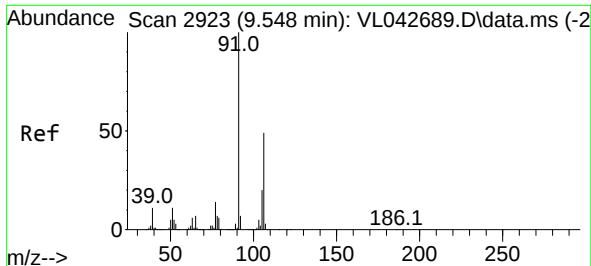
Tgt Ion:112 Resp: 251274
Ion Ratio Lower Upper
112 100
77 70.3 56.2 84.4
114 34.2 30.2 37.0



#58
Ethyl Benzene
Concen: 11.677 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 91 Resp: 430403
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3





#59

m/p-Xylene

Concen: 12.702 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.013 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

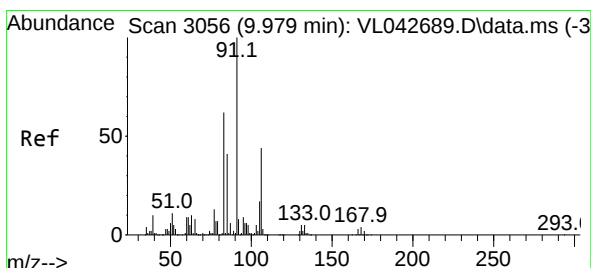
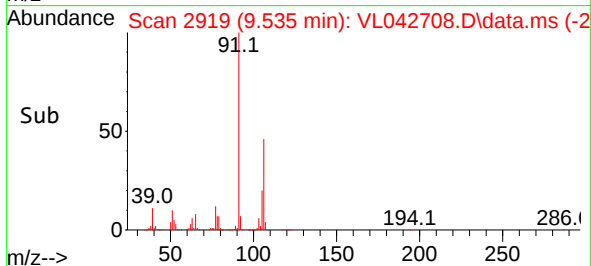
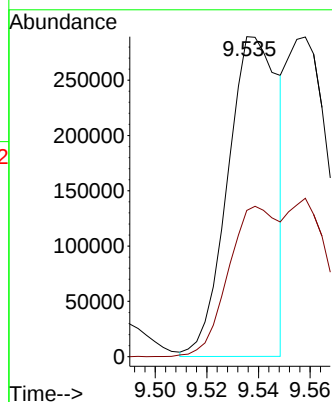
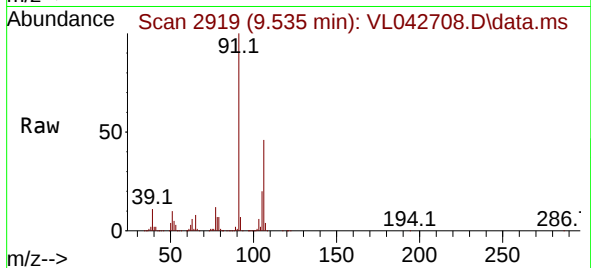
VL0708ABS01

Tgt Ion: 91 Resp: 392166

Ion Ratio Lower Upper

91 100

106 0.0 37.6 56.4#



#60

o-Xylene

Concen: 11.719 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042708.D

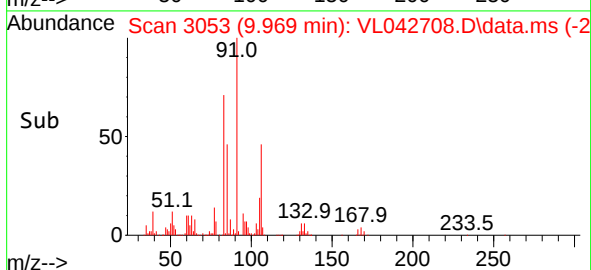
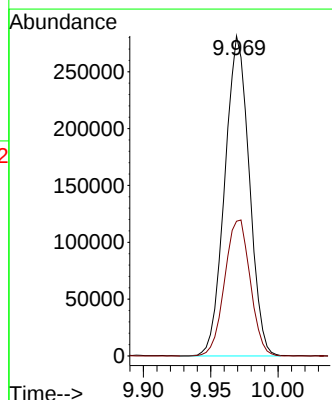
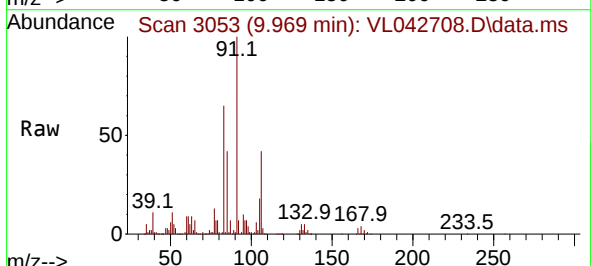
Acq: 08 Jul 2025 10:26

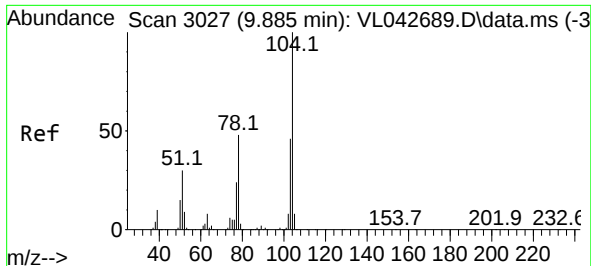
Tgt Ion: 91 Resp: 355924

Ion Ratio Lower Upper

91 100

106 44.3 22.8 68.4

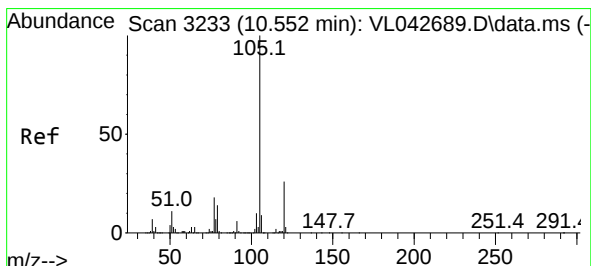
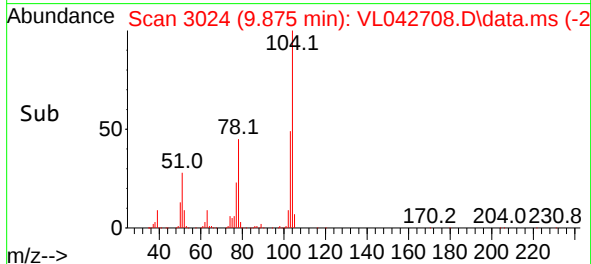
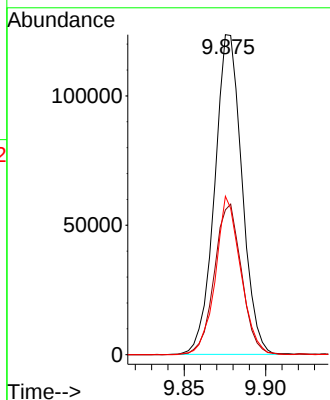
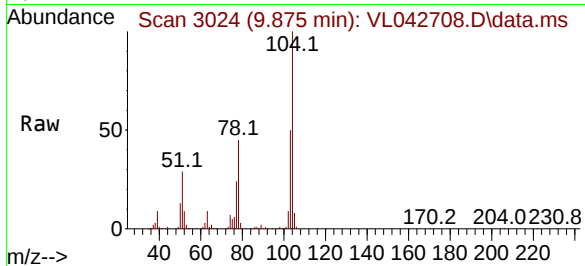




#61
Styrene
Concen: 12.071 ppbv
RT: 9.875 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

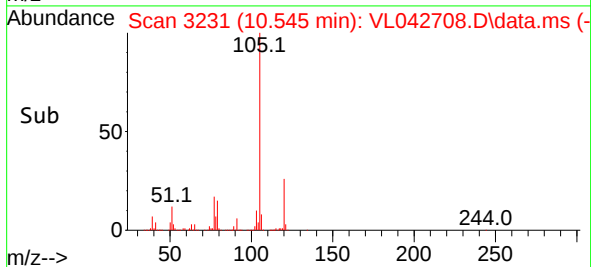
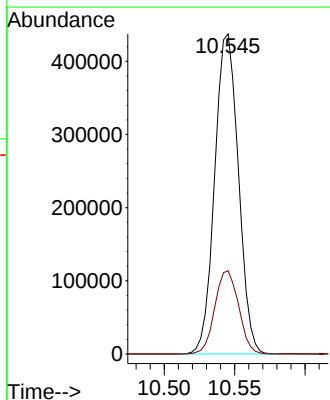
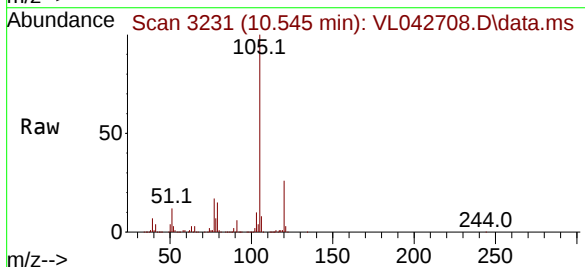
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

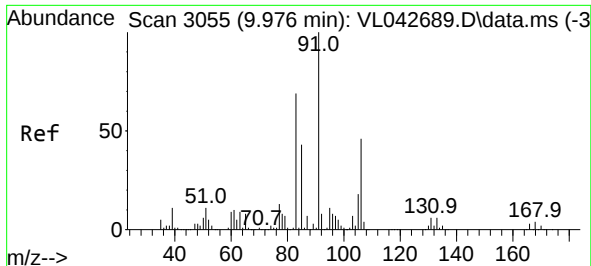
Tgt Ion:104 Resp: 144023
Ion Ratio Lower Upper
104 100
78 47.0 39.0 58.6
103 45.9 37.4 56.0



#62
Isopropylbenzene
Concen: 11.189 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion:105 Resp: 512927
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0

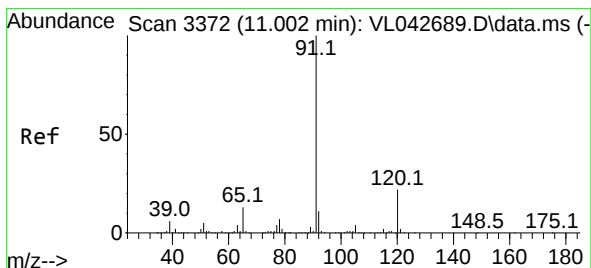
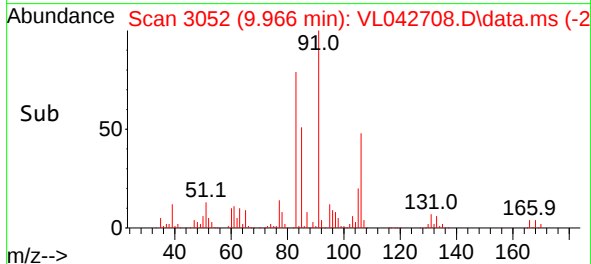
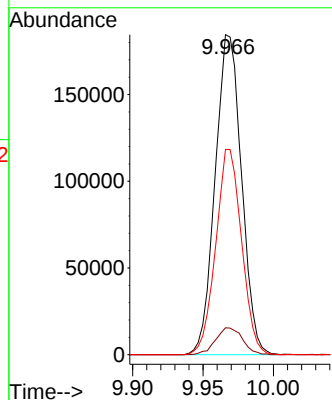
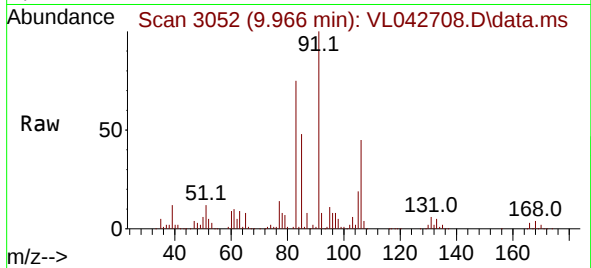




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.295 ppbv
 RT: 9.966 min Scan# 3055
 Delta R.T. -0.010 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

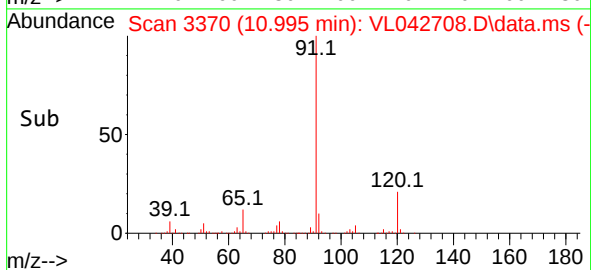
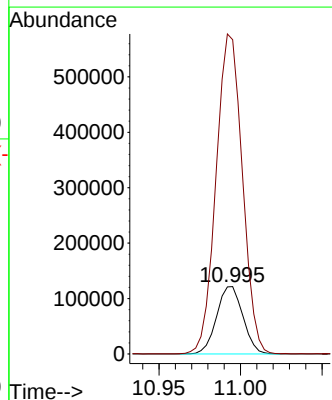
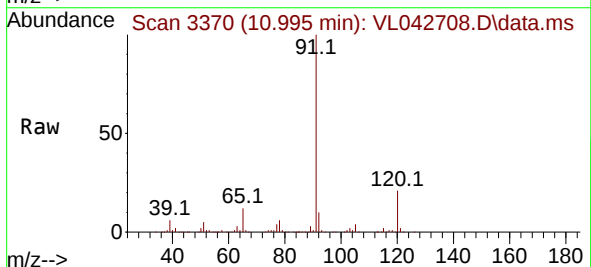
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0708ABS01

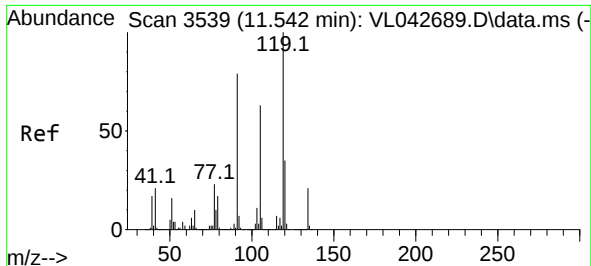
Tgt Ion: 83 Resp: 240780
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.5 13.4
 85 62.9 31.5 94.5



#64
 n-propylbenzene
 Concen: 11.587 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 120 Resp: 135992
 Ion Ratio Lower Upper
 120 100
 91 476.7 377.8 566.8

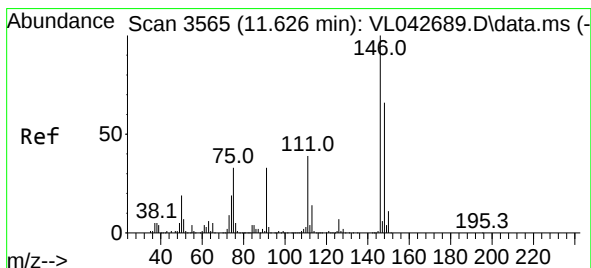
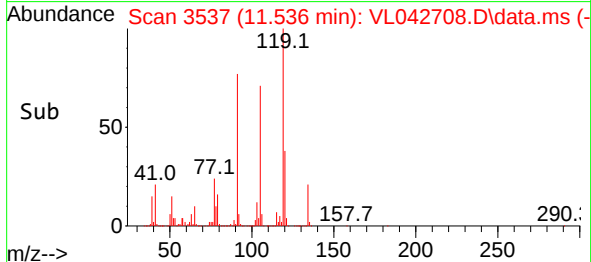
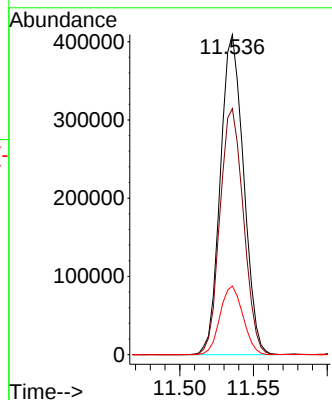
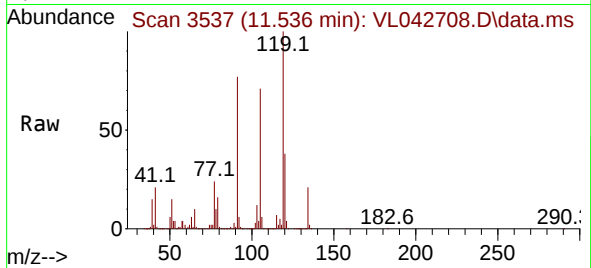




#65
tert-Butylbenzene
Concen: 11.426 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

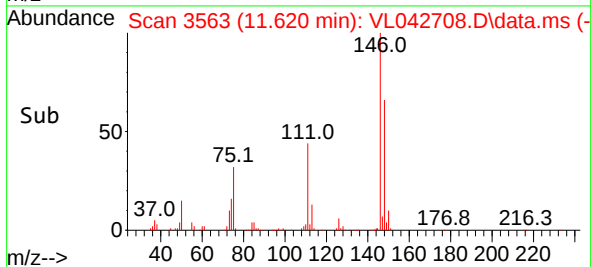
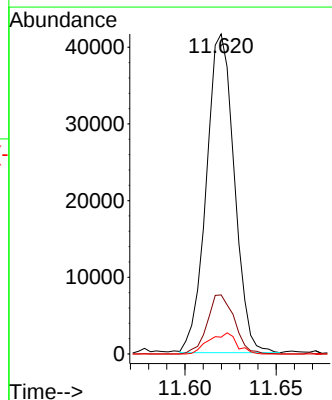
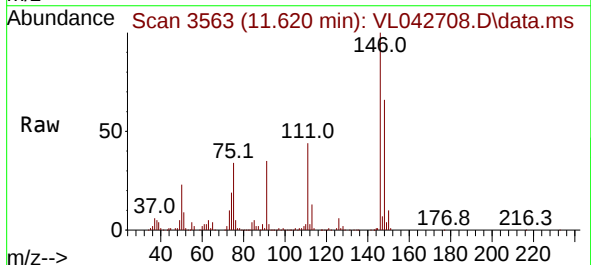
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

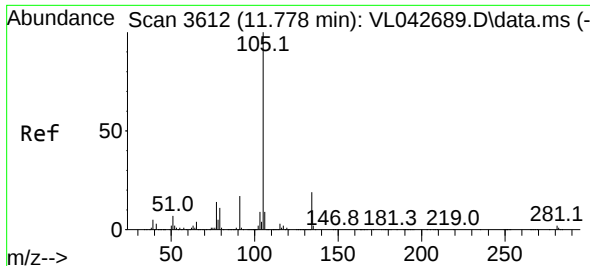
Tgt Ion:119 Resp: 448307
Ion Ratio Lower Upper
119 100
91 77.9 62.6 93.8
134 21.2 16.9 25.3



#66
Benzyl Chloride
Concen: 11.655 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion: 91 Resp: 44306
Ion Ratio Lower Upper
91 100
126 17.9 14.8 22.2
128 6.6 4.7 7.1

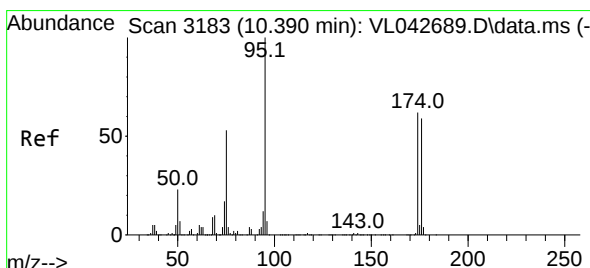
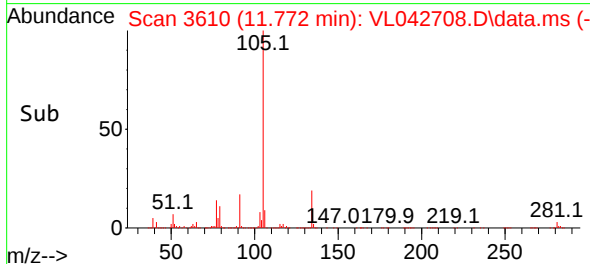
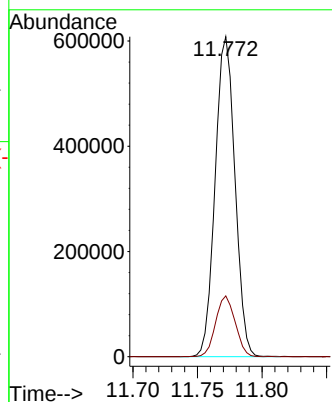
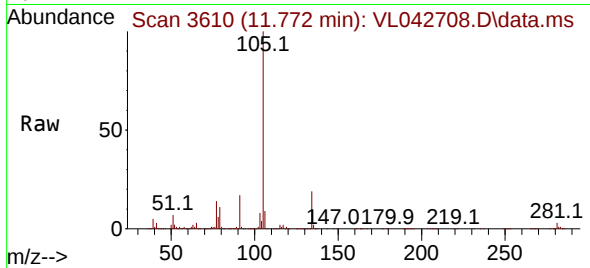




#67
 sec-Butylbenzene
 Concen: 10.760 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

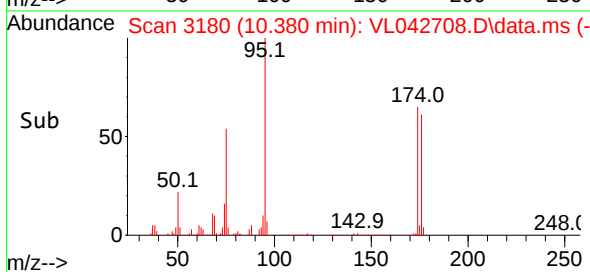
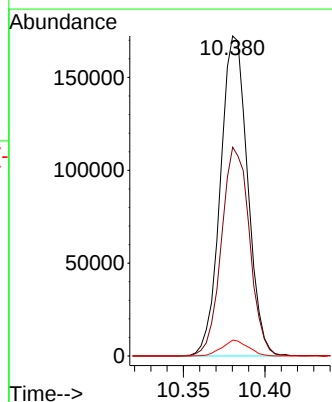
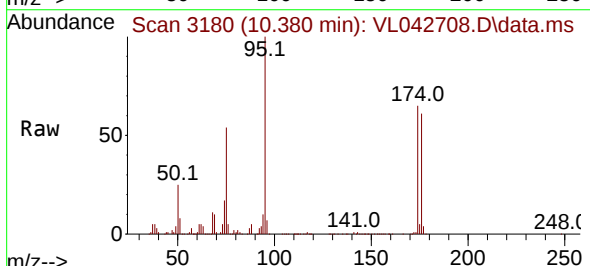
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

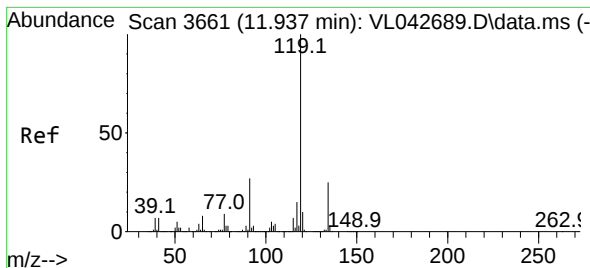
Tgt Ion:105 Resp: 646802
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.184 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.010 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 95 Resp: 199659
 Ion Ratio Lower Upper
 95 100
 174 67.3 51.2 76.8
 175 4.8 3.8 5.8

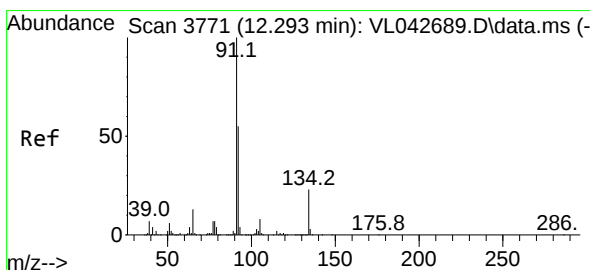
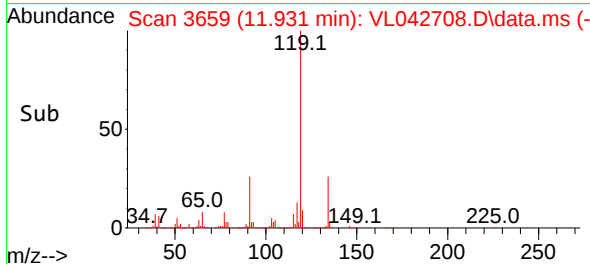
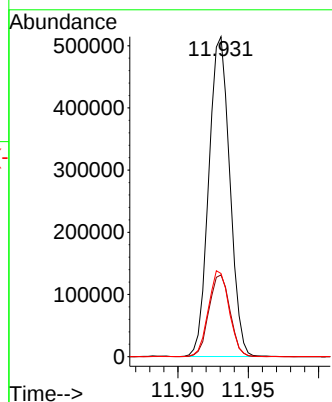
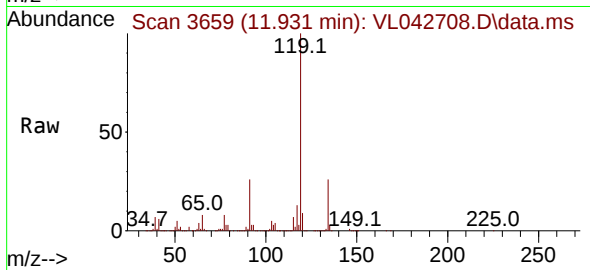




#69
 p-Isopropyltoluene
 Concen: 11.165 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

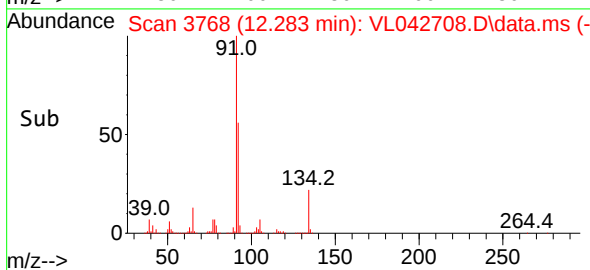
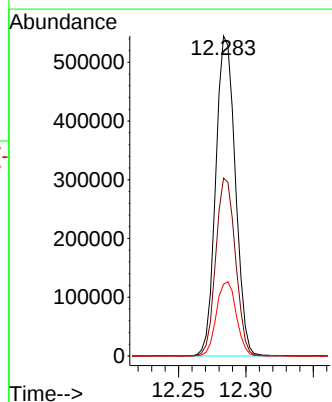
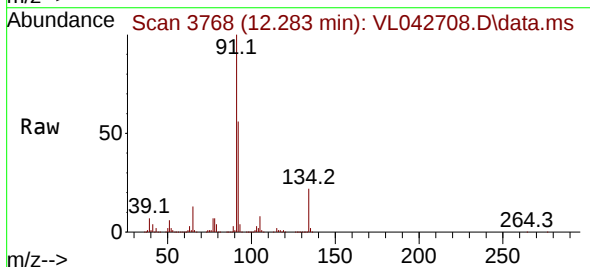
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

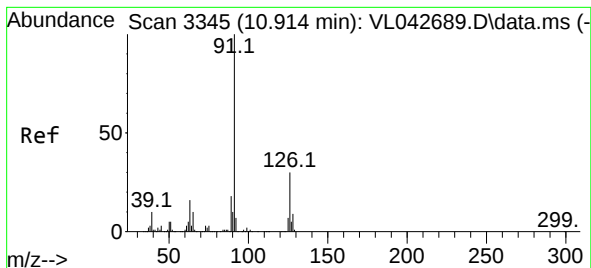
Tgt Ion:119 Resp: 534171
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 31.0
 91 26.7 21.4 32.2



#70
 n-Butylbenzene
 Concen: 11.423 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. -0.010 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion: 91 Resp: 550575
 Ion Ratio Lower Upper
 91 100
 92 55.7 44.2 66.2
 134 23.6 18.6 27.8

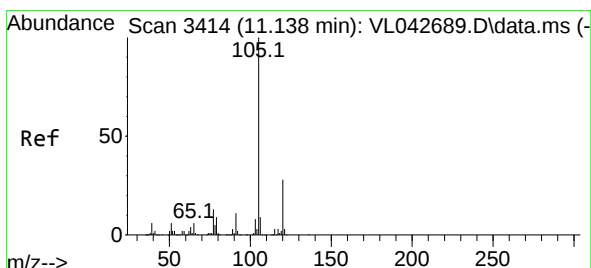
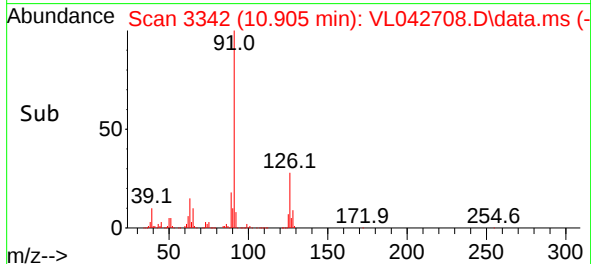
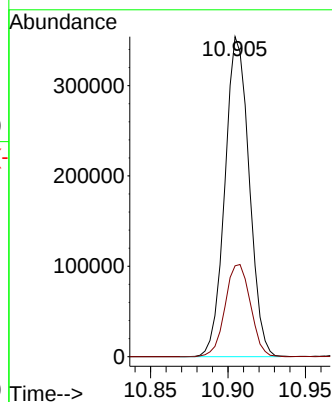
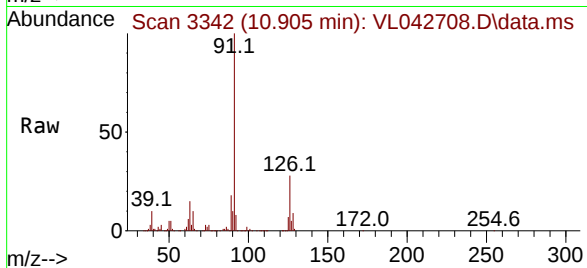




#71
2-Chlorotoluene
Concen: 11.380 ppbv
RT: 10.905 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

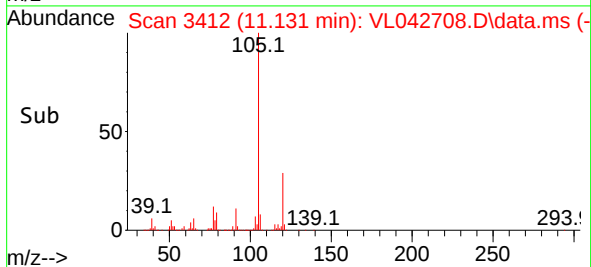
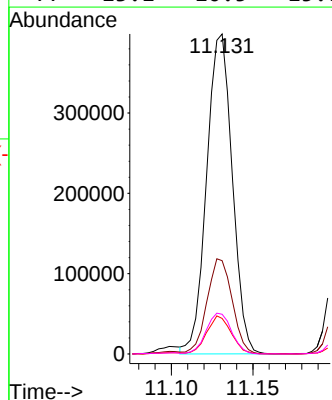
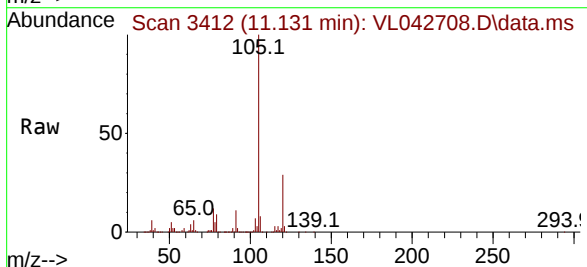
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

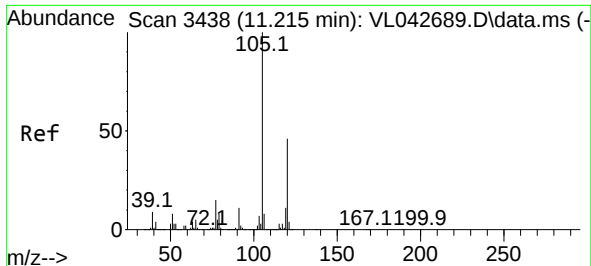
Tgt Ion: 91 Resp: 385926
Ion Ratio Lower Upper
91 100
126 30.1 11.8 47.4



#72
4-Ethyltoluene
Concen: 11.737 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.006 min
Lab File: VL042708.D
Acq: 08 Jul 2025 10:26

Tgt Ion:105 Resp: 434964
Ion Ratio Lower Upper
105 100
120 30.0 23.8 35.6
91 11.7 9.7 14.5
77 13.1 10.5 15.7

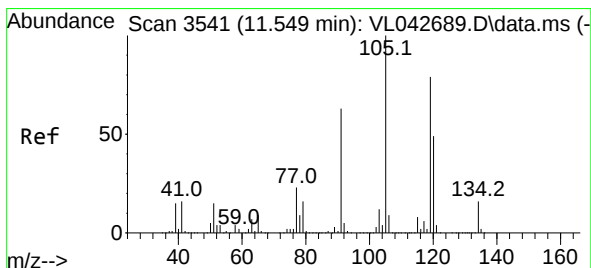
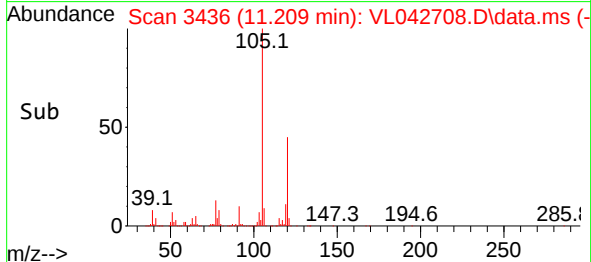
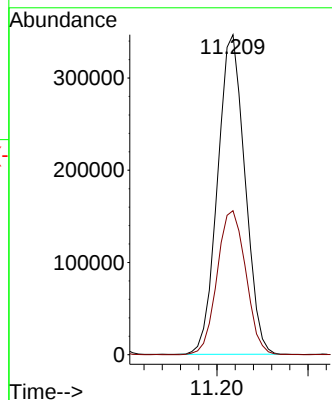
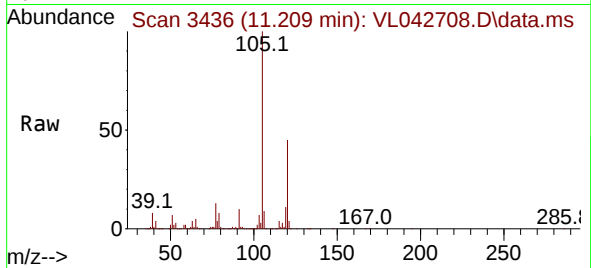




#73
 1,3,5-Trimethylbenzene
 Concen: 11.534 ppbv
 RT: 11.209 min Scan# 3438
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

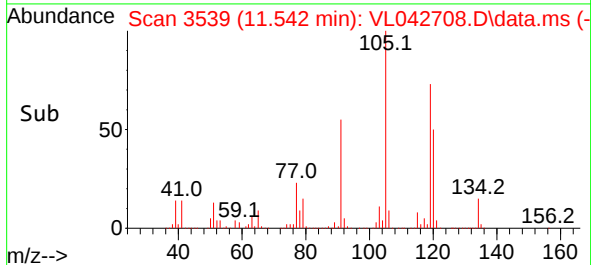
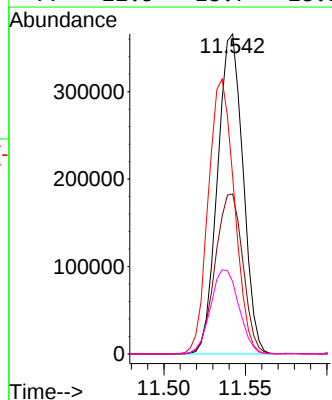
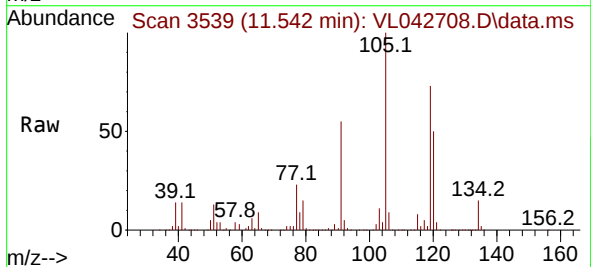
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0708ABS01

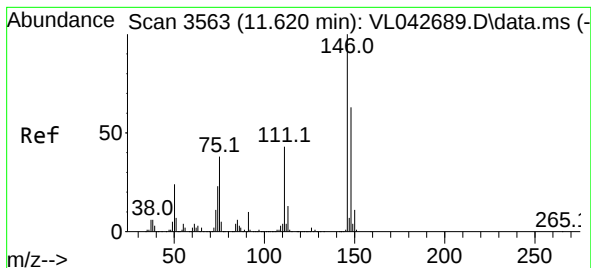
Tgt Ion:105 Resp: 360383
 Ion Ratio Lower Upper
 105 100
 120 45.0 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 11.161 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. -0.006 min
 Lab File: VL042708.D
 Acq: 08 Jul 2025 10:26

Tgt Ion:105 Resp: 397819
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.6 59.4
 91 55.4 51.0 76.6
 77 22.5 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 10.115 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

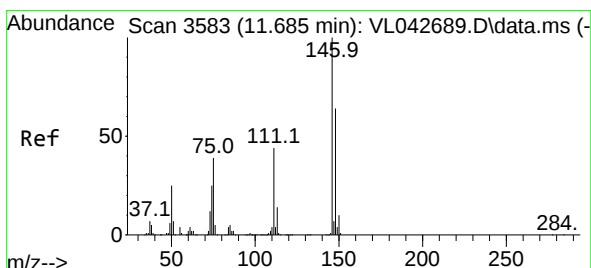
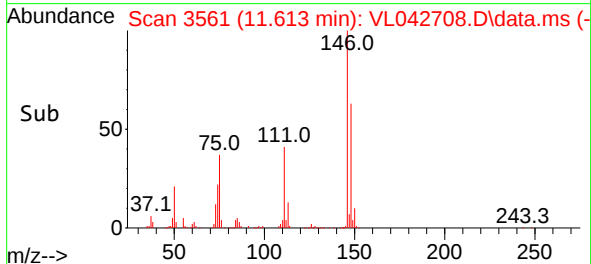
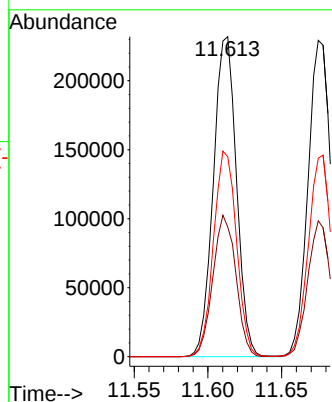
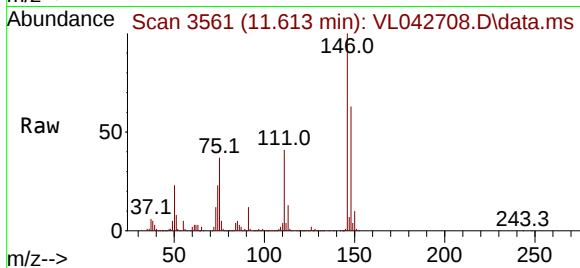
Tgt Ion:146 Resp: 252944

Ion Ratio Lower Upper

146 100

111 44.0 21.6 65.0

148 64.0 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 10.502 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.010 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

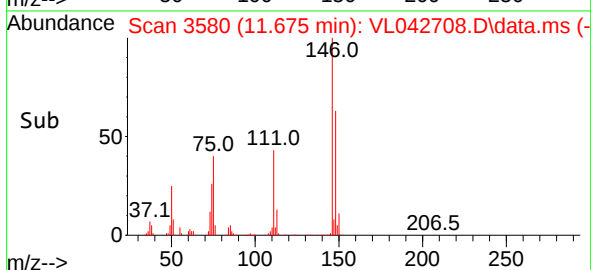
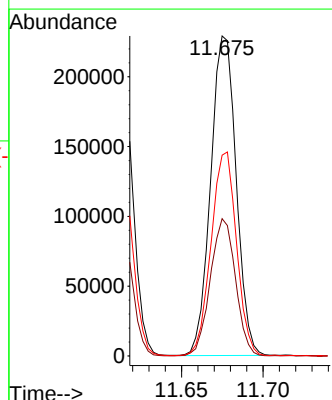
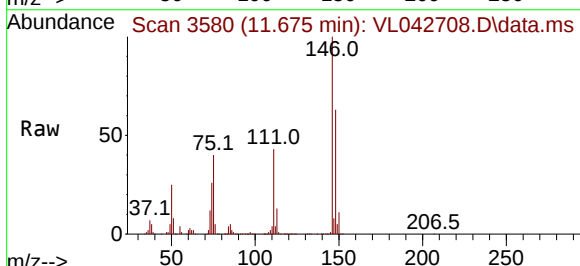
Tgt Ion:146 Resp: 249253

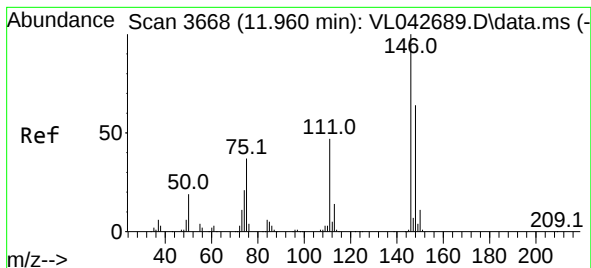
Ion Ratio Lower Upper

146 100

111 42.5 21.4 64.3

148 64.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 9.680 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.010 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

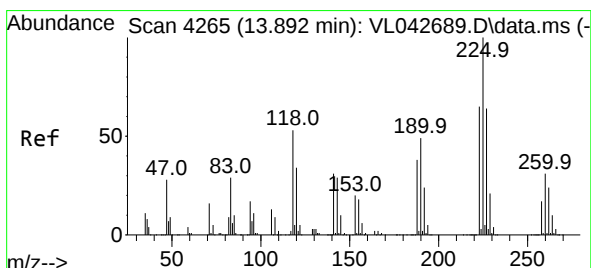
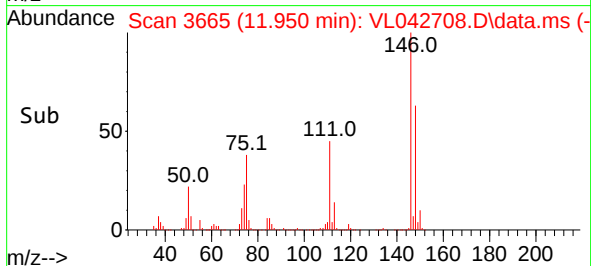
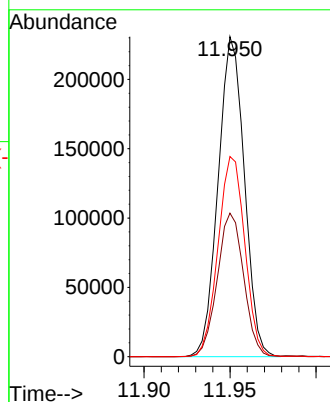
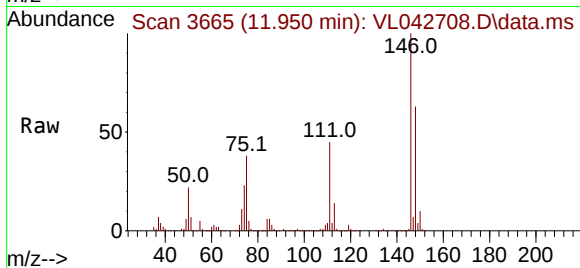
Tgt Ion:146 Resp: 244539

Ion Ratio Lower Upper

146 100

111 45.3 22.9 68.8

148 63.9 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 8.631 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

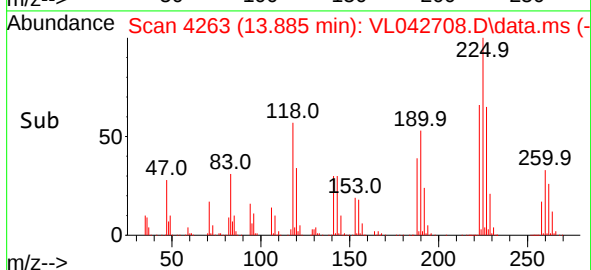
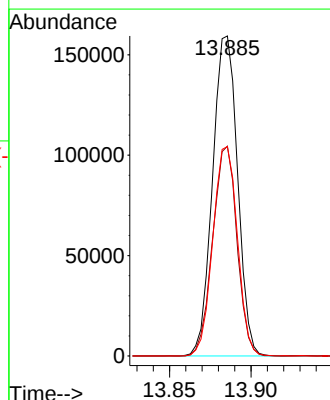
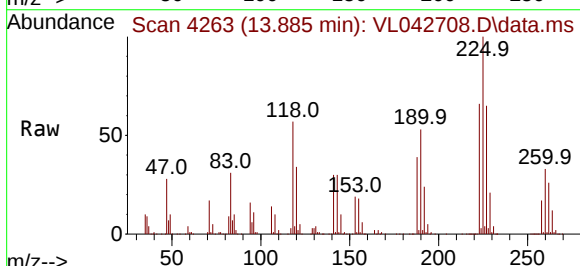
Tgt Ion:225 Resp: 169821

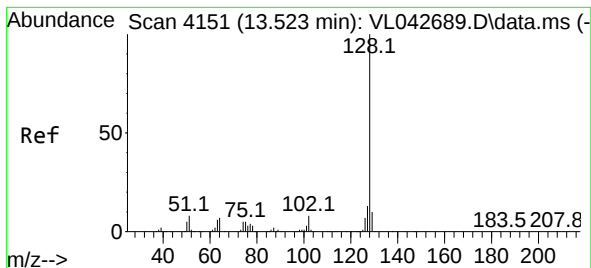
Ion Ratio Lower Upper

225 100

223 63.6 50.5 75.7

227 64.3 50.0 75.0





#79

Naphthalene

Concen: 12.220 ppbv

RT: 13.517 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

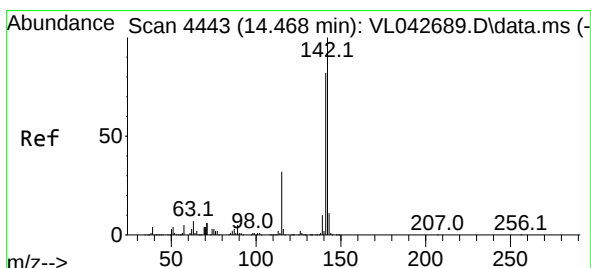
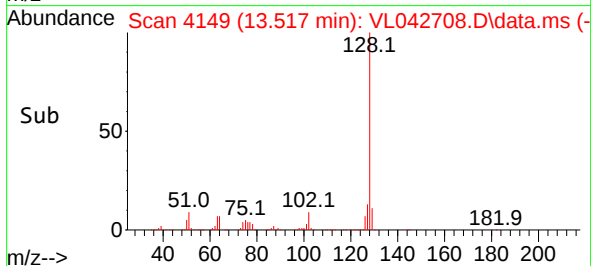
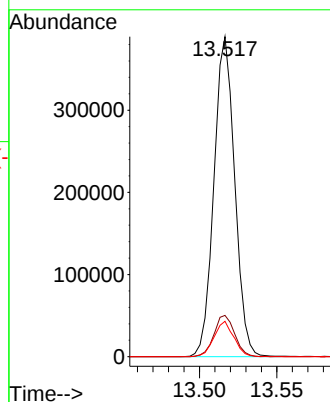
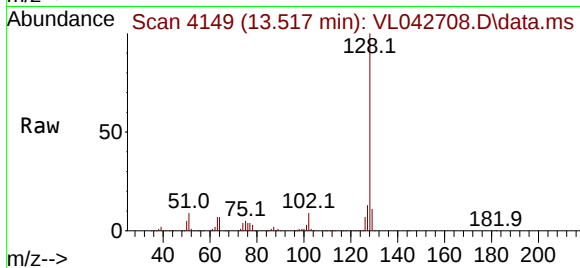
Tgt Ion:128 Resp: 363533

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 8.2 12.2



#80

Naphthalene,2-methyl-

Concen: 11.384 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. -0.006 min

Lab File: VL042708.D

Acq: 08 Jul 2025 10:26

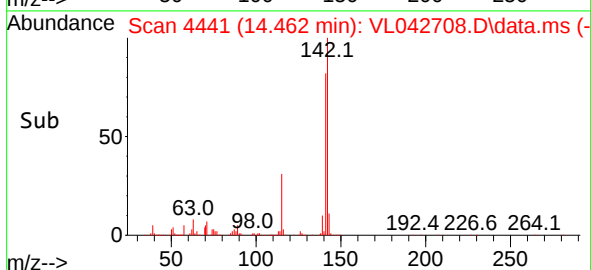
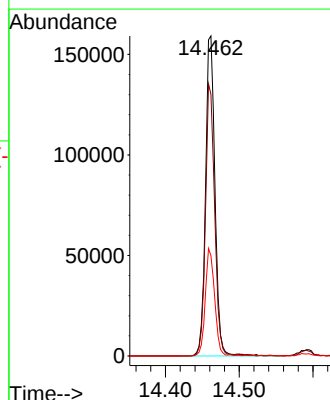
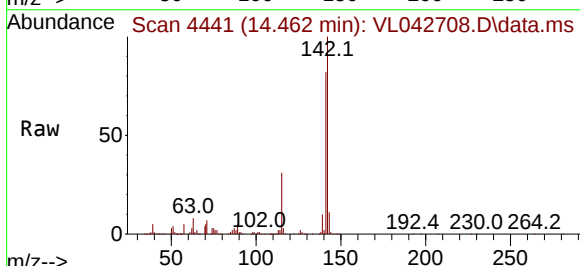
Tgt Ion:142 Resp: 140667

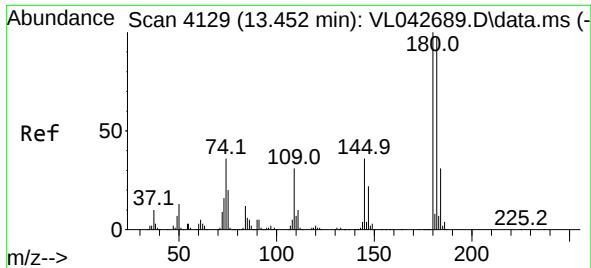
Ion Ratio Lower Upper

142 100

141 83.3 67.4 101.2

115 33.8 26.9 40.3





#81

1,2,4-Trichlorobenzene

Concen: 10.763 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL042708.D

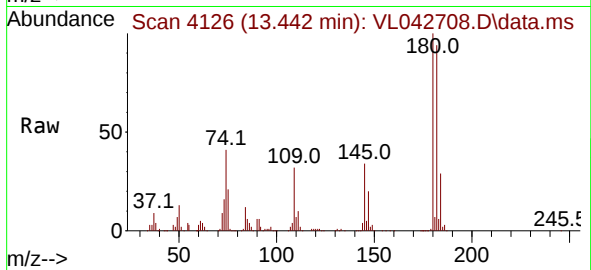
Acq: 08 Jul 2025 10:26

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01



Tgt Ion:180 Resp: 186596

Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

184 30.2 24.4 36.6

