

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042798.D
 Acq On : 04 Aug 2025 10:58
 Operator : SY/MD
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	152949	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	424278	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	379714	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	306318	10.187	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	210012	10.385	ppbv	97
3) Chlorodifluoromethane	1.476	51	276371	10.491	ppbv	100
4) Chloromethane	1.531	50	83517	10.208	ppbv	94
5) Vinyl Chloride	1.580	62	72902	9.019	ppbv	98
6) Bromomethane	1.667	94	32559	10.419	ppbv	93
7) Chloroethane	1.703	64	30002	9.606	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	168635	10.140	ppbv	99
9) Propene	1.483	41	96098	10.037	ppbv	97
10) Heptane	4.978	43	284663	11.027	ppbv	98
11) Trichlorofluoromethane	1.877	101	210535	10.100	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	162121	10.235	ppbv	99
13) Ethanol	1.719	45	7676	9.859	ppbv	94
14) Bromoethene	1.780	108	57843	10.313	ppbv	99
15) Acetone	1.832	43	175468	8.308	ppbv	99
16) 1,3-Butadiene	1.609	39	90012	9.992	ppbv	98
17) tert-Butyl alcohol	2.036	59	186238	9.777	ppbv	98
18) 1,1-Dichloroethene	2.033	96	70538	9.855	ppbv	92
19) Isopropyl Alcohol	1.884	45	111099	9.899	ppbv	99
20) Methylene Chloride	2.059	84	62223	9.349	ppbv	96
21) Allyl Chloride	2.094	41	138811	10.664	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	79678	10.348	ppbv	91
23) Vinyl Acetate	2.460	43	275096	10.744	ppbv	99
24) 1,1-Dichloroethane	2.408	63	162025	10.252	ppbv	99
25) Ethyl Acetate	2.832	43	509939	10.908	ppbv	100
26) Hexane	2.823	57	217430	10.603	ppbv	98
27) Carbon Disulfide	2.149	76	193468	11.020	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	87317	9.013	ppbv	100
29) Chloroform	2.845	83	341292	10.770	ppbv	100
30) Cyclohexane	3.855	84	182892	10.516	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	220340	10.456	ppbv	99
32) 1,1,1-Trichloroethane	3.363	97	332840	10.083	ppbv	99
34) 2-Butanone	2.554	43	328262	10.922	ppbv	99
35) Carbon Tetrachloride	3.761	117	352113	11.173	ppbv	99
36) Benzene	3.654	78	442780	11.012	ppbv	97
37) 1,2-Dichloroethane	3.214	62	263215	10.867	ppbv	100
38) Trichloroethene	4.544	130	196304	10.162	ppbv	98
39) 1,2-Dichloropropane	4.311	63	160594	10.820	ppbv	98
40) 1,4-Dioxane	4.577	88	74021	10.699	ppbv #	96
41) Tetrahydrofuran	3.049	42	177182	11.586	ppbv	99
42) Bromodichloromethane	4.486	83	363538	11.524	ppbv	97
43) Methyl Methacrylate	4.875	69	164875	11.536	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	747668	11.408	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	186189	11.617	ppbv	95

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

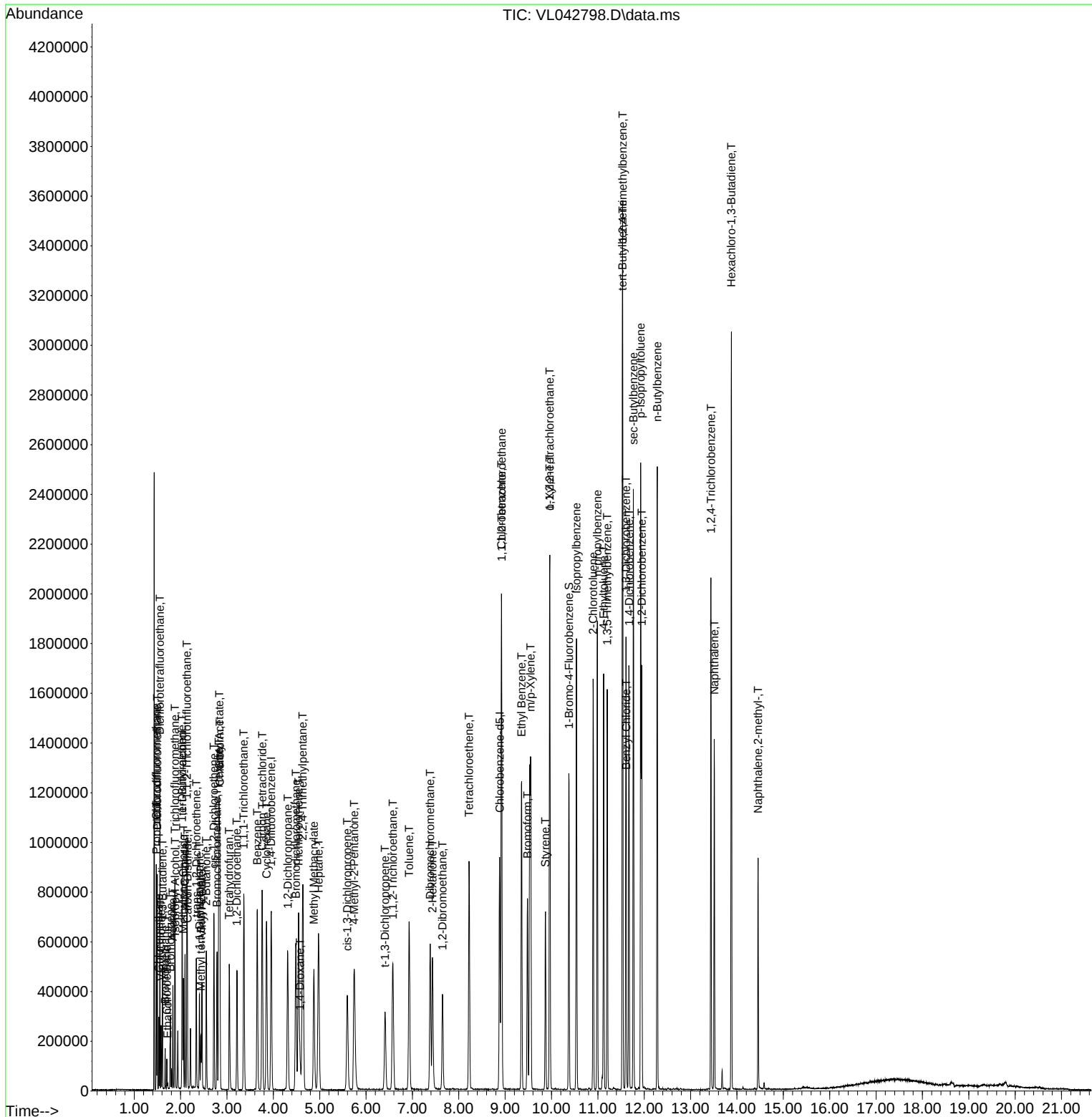
Instrument :
 MSVOA_L
 ClientSampleId :

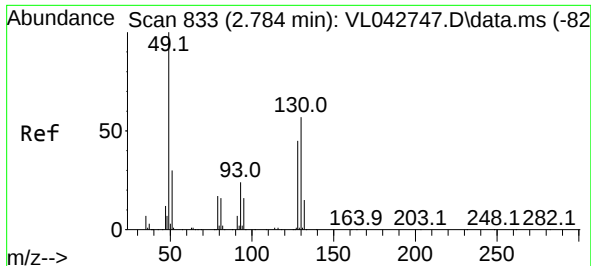
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	233634	11.503	ppbv	97
47) 1,1,2-Trichloroethane	6.580	97	95724	6.050	ppbv	94
48) Dibromochloromethane	7.383	129	291861	11.619	ppbv	99
49) Bromoform	9.484	173	256208	11.698	ppbv	97
50) 4-Methyl-2-Pentanone	5.745	43	449115	11.601	ppbv	98
51) 2-Hexanone	7.431	43	361190	12.346	ppbv #	97
52) Tetrachloroethene	8.221	164	161678	9.700	ppbv	96
53) Toluene	6.930	91	483690	11.202	ppbv	99
54) 1,2-Dibromoethane	7.648	107	245100	10.964	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.924	131	223105	11.301	ppbv	99
57) Chlorobenzene	8.920	112	399269	10.865	ppbv	97
58) Ethyl Benzene	9.354	91	691812	11.537	ppbv	97
59) m/p-Xylene	9.548	91	492902	10.285	ppbv #	10
60) o-Xylene	9.963	91	556987	11.631	ppbv	100
61) Styrene	9.869	104	236466	11.739	ppbv	99
62) Isopropylbenzene	10.539	105	810117	11.469	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	328751	10.693	ppbv	99
64) n-propylbenzene	10.989	120	218340	11.857	ppbv	98
65) tert-Butylbenzene	11.529	119	733198	11.686	ppbv	100
66) Benzyl Chloride	11.613	91	71791	13.938	ppbv	99
67) sec-Butylbenzene	11.765	105	1022370	11.457	ppbv	100
69) p-Isopropyltoluene	11.924	119	859339	11.810	ppbv	100
70) n-Butylbenzene	12.280	91	882919	12.562	ppbv	100
71) 2-Chlorotoluene	10.898	91	616427	11.381	ppbv	100
72) 4-Ethyltoluene	11.124	105	690989	12.083	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	570034	12.106	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	629983	12.264	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	415697	11.543	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	408005	11.578	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	395047	11.161	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	315657	9.853	ppbv	99
79) Naphthalene	13.510	128	605271	10.821	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	236391	8.652	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	347712	11.052	ppbv	99

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

Quant Time: Aug 05 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

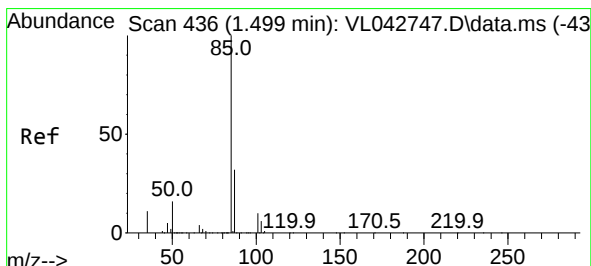
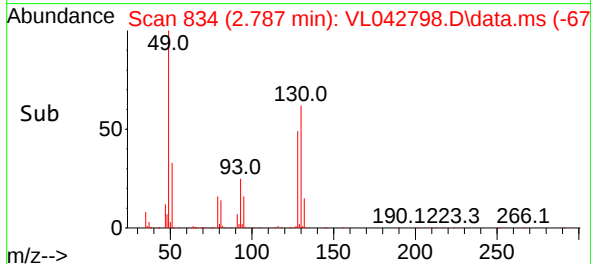
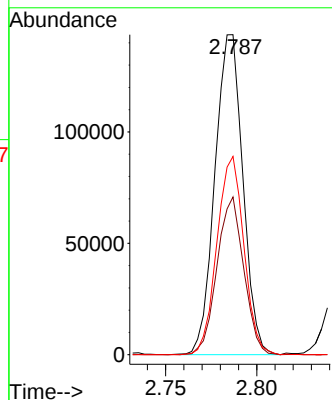
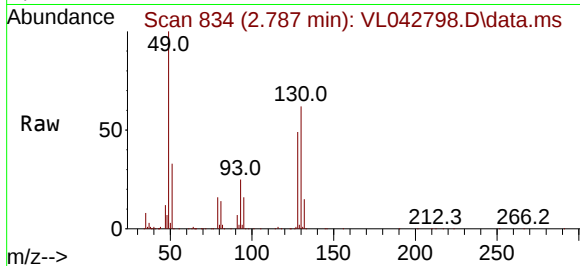




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

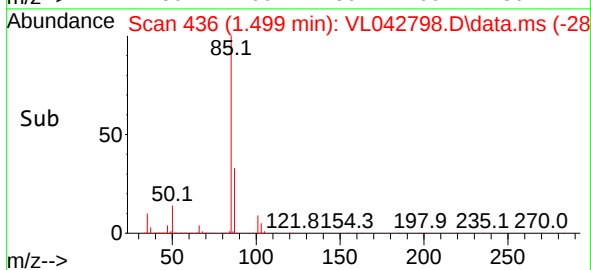
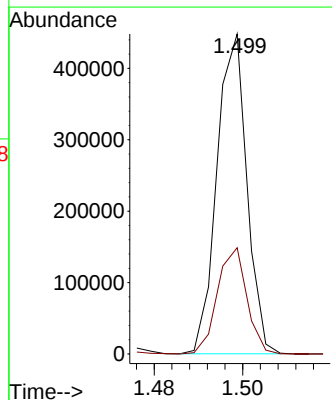
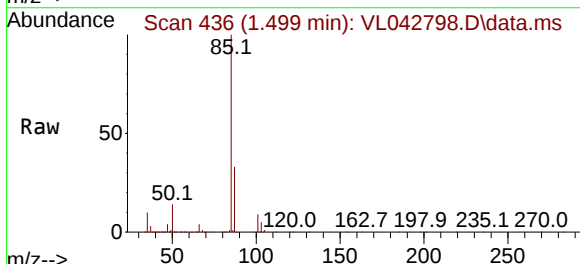
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 152949
Ion Ratio Lower Upper
49 100
128 47.2 23.6 71.0
130 59.8 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 10.385 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 85 Resp: 210012
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2

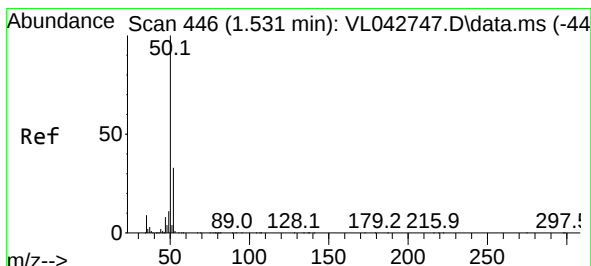
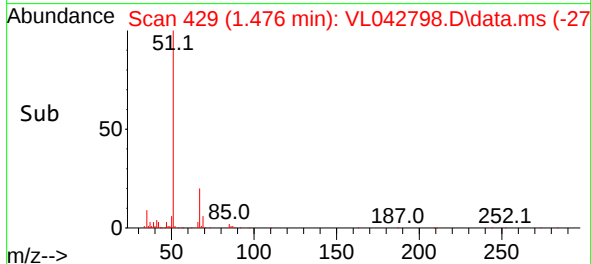
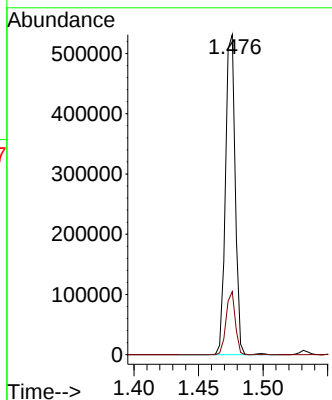
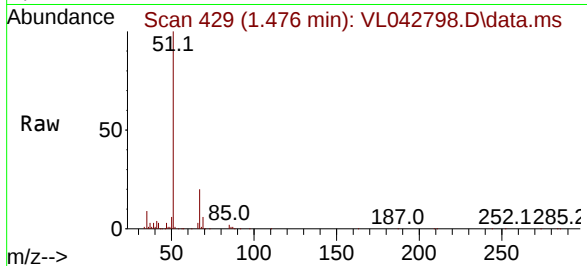




#3
Chlorodifluoromethane
Concen: 10.491 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

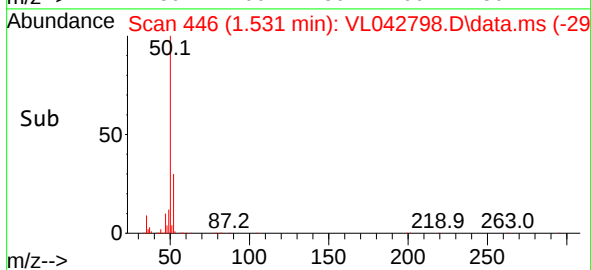
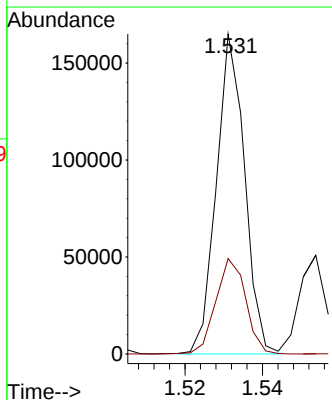
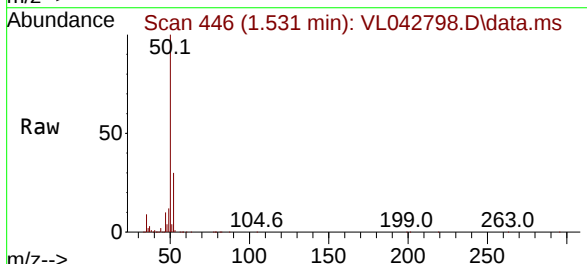
Instrument :
MSVOA_L
ClientSampleId :

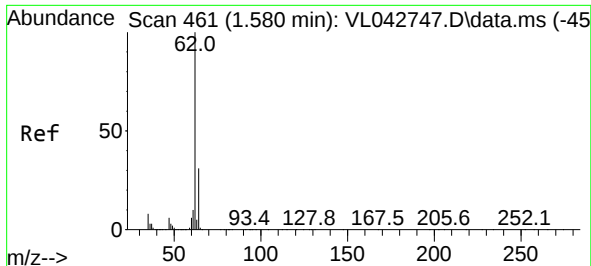
Tgt Ion: 51 Resp: 276371
Ion Ratio Lower Upper
51 100
67 18.7 15.0 22.6



#4
Chloromethane
Concen: 10.208 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 50 Resp: 83517
Ion Ratio Lower Upper
50 100
52 29.7 26.6 40.0

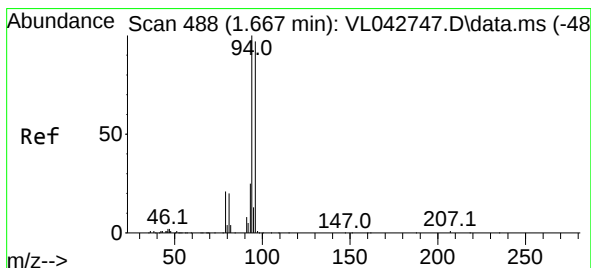
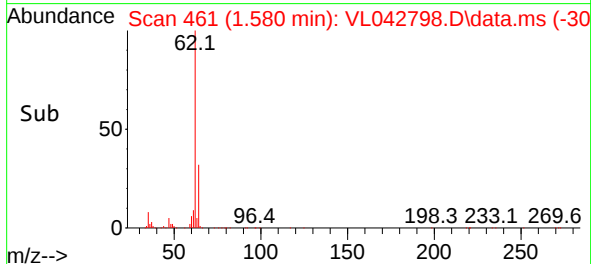
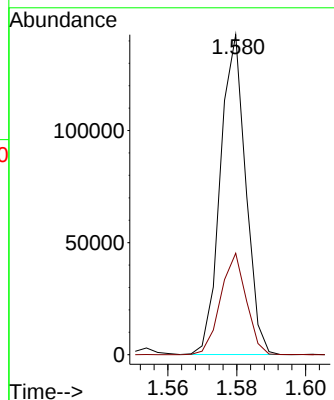
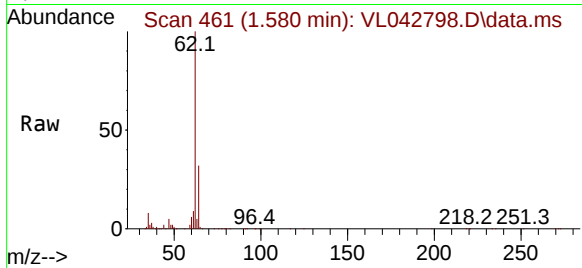




#5
 Vinyl Chloride
 Concen: 9.019 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

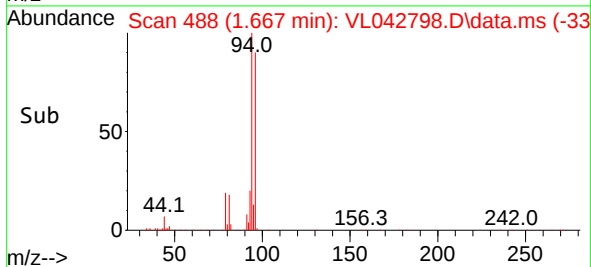
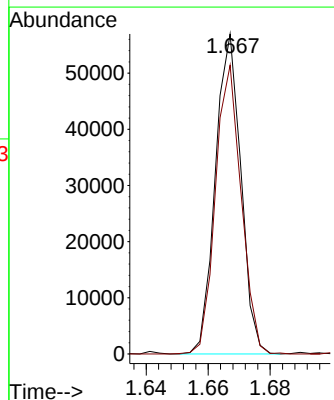
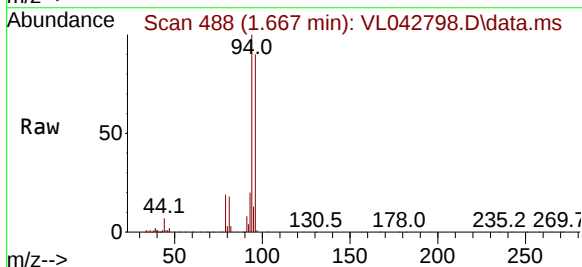
Instrument :
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 ClientSampleId :

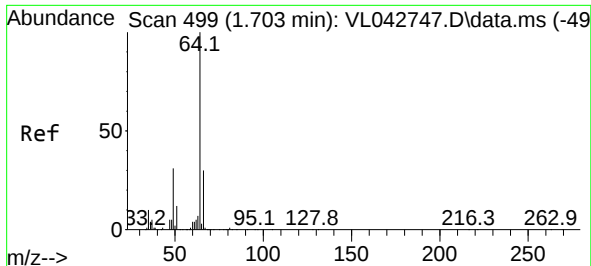
Tgt Ion: 62 Resp: 72902
 Ion Ratio Lower Upper
 62 100
 64 31.7 24.5 36.7



#6
 Bromomethane
 Concen: 10.419 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion: 94 Resp: 32559
 Ion Ratio Lower Upper
 94 100
 96 90.1 77.6 116.4

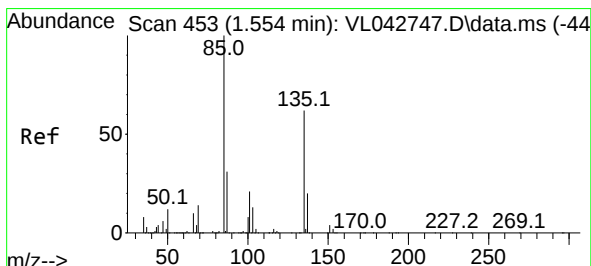
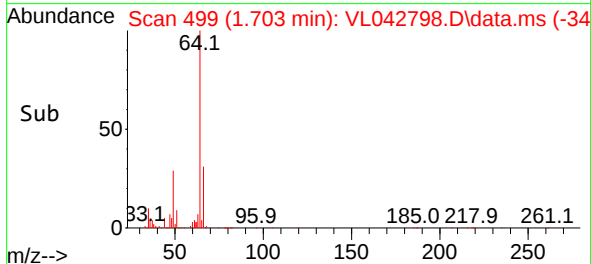
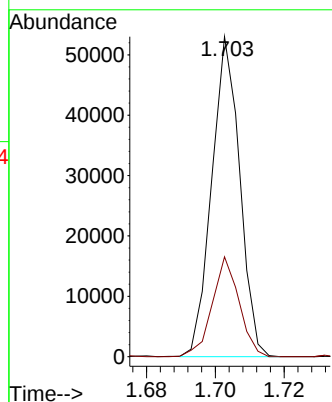
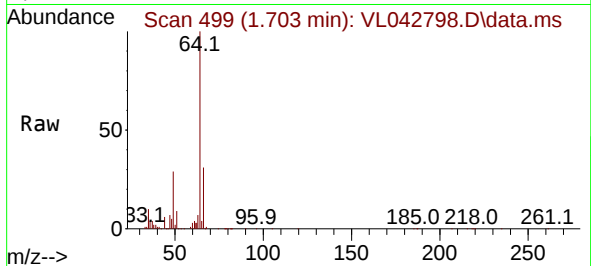




#7
Chloroethane
Concen: 9.606 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

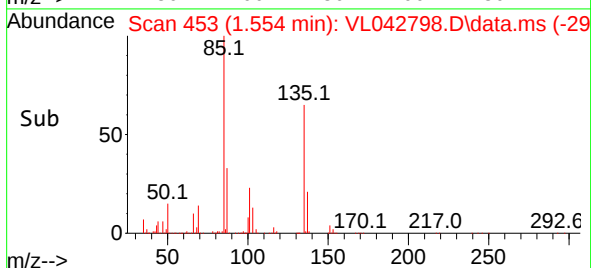
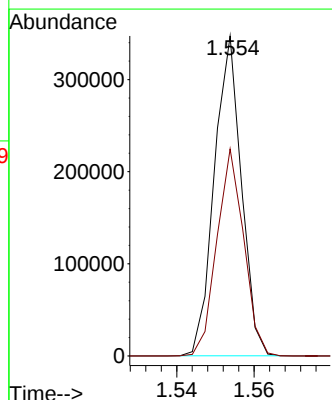
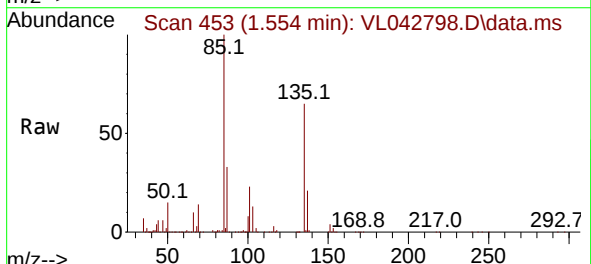
Instrument :
MSVOA_L
ClientSampleId :

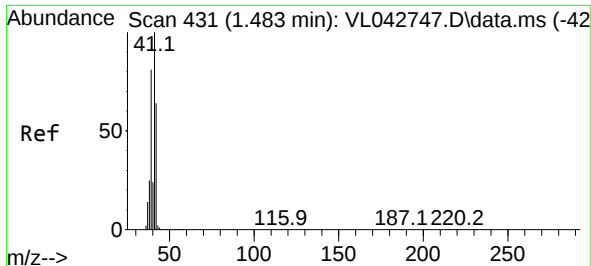
Tgt Ion: 64 Resp: 30002
Ion Ratio Lower Upper
64 100
66 31.2 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 10.140 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 85 Resp: 168635
Ion Ratio Lower Upper
85 100
135 64.4 50.6 76.0





#9

Propene

Concen: 10.037 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

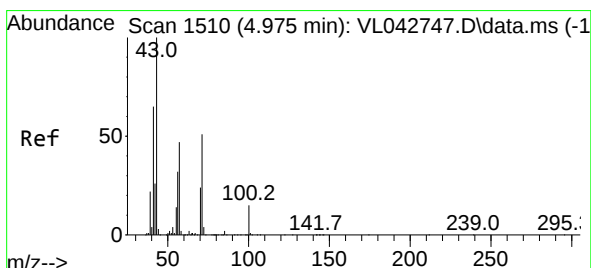
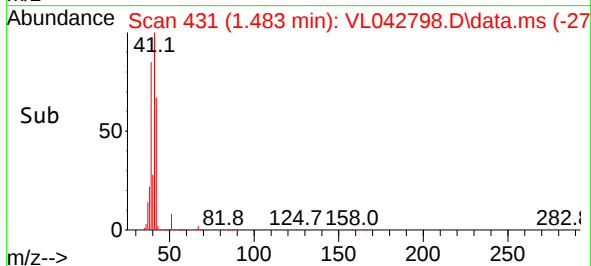
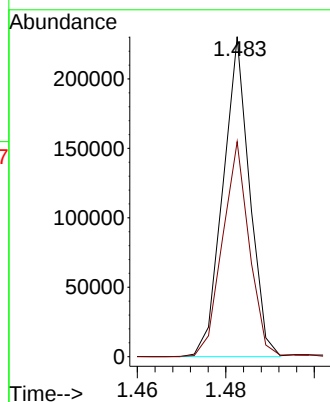
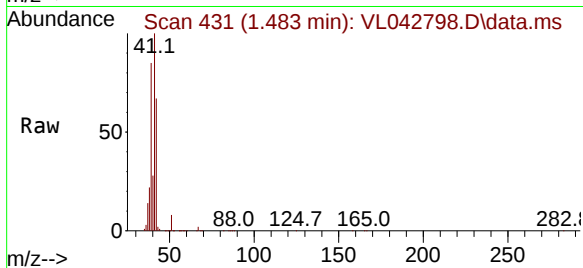
ClientSampleId :

Tgt Ion: 41 Resp: 96098

Ion Ratio Lower Upper

41 100

42 68.5 53.2 79.8



#10

Heptane

Concen: 11.027 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.003 min

Lab File: VL042798.D

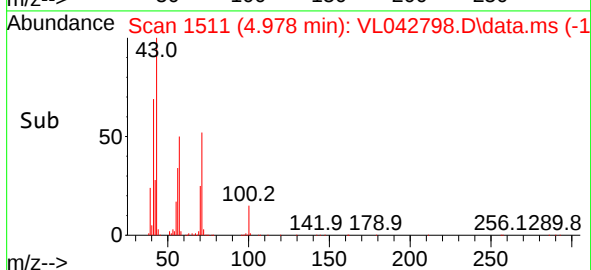
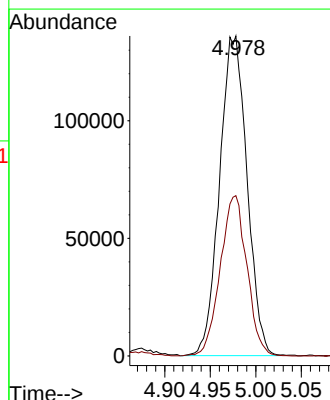
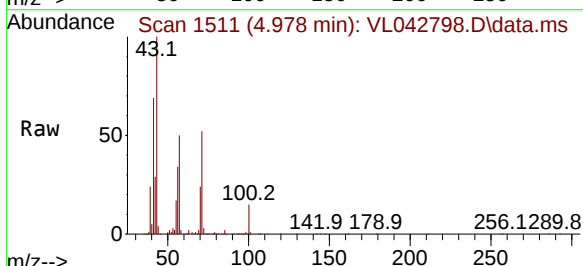
Acq: 04 Aug 2025 10:58

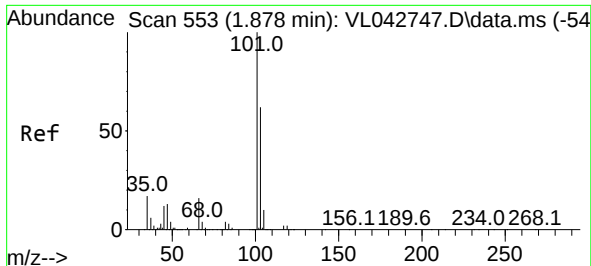
Tgt Ion: 43 Resp: 284663

Ion Ratio Lower Upper

43 100

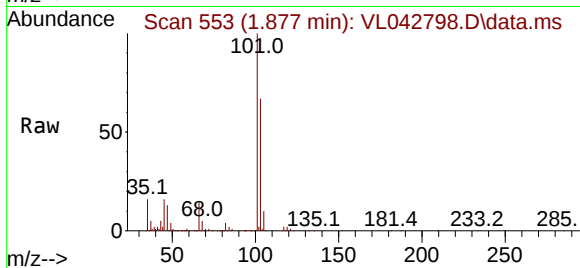
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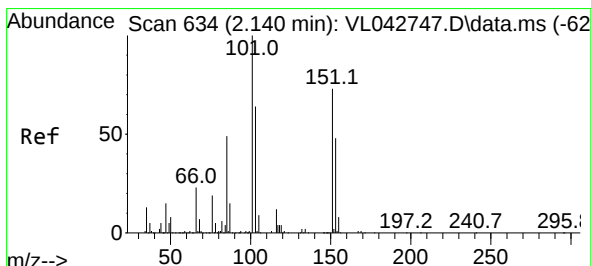
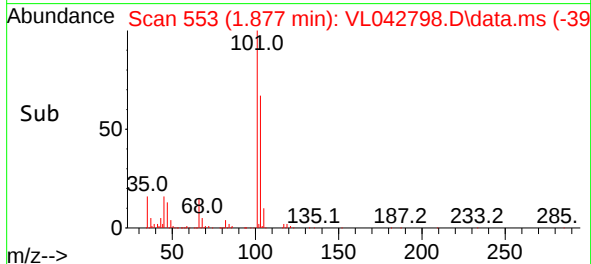
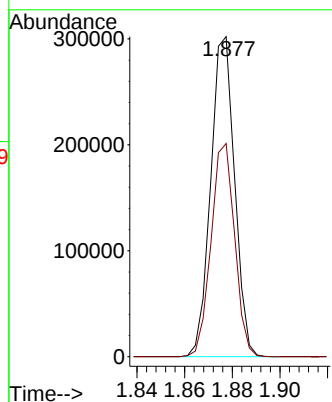


#11
 Trichlorofluoromethane
 Concen: 10.100 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Instrument :
 MSVOA_L
 ClientSampleId :

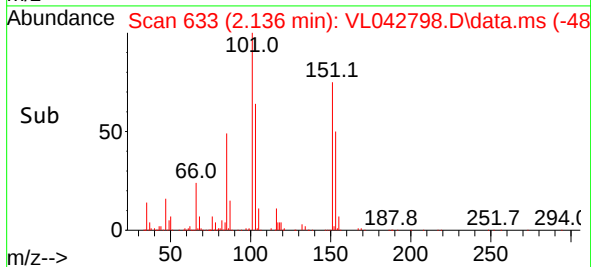
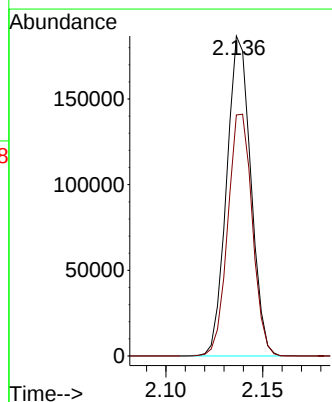
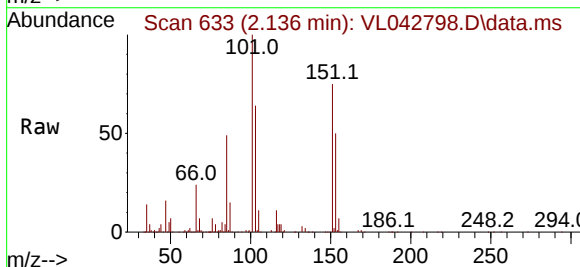


Tgt Ion:101 Resp: 210535
 Ion Ratio Lower Upper
 101 100
 103 66.6 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.235 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion:101 Resp: 162121
 Ion Ratio Lower Upper
 101 100
 151 76.6 60.5 90.7

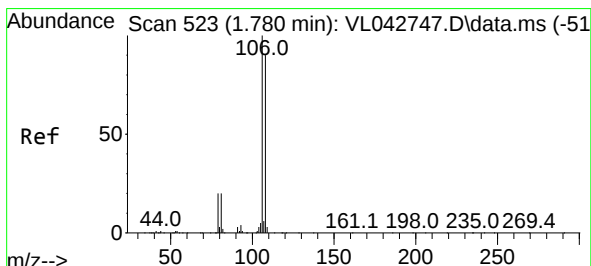
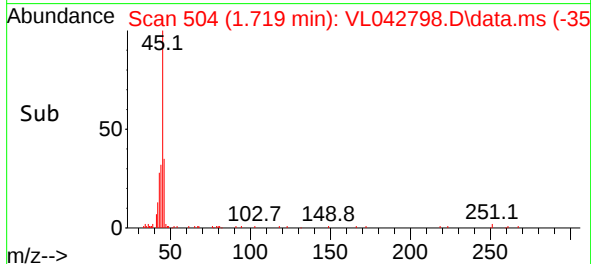
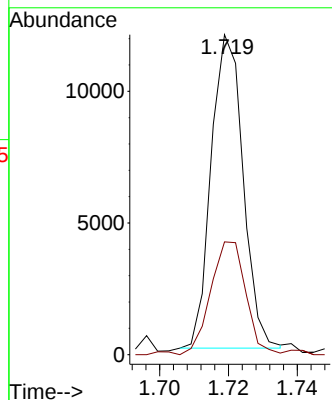
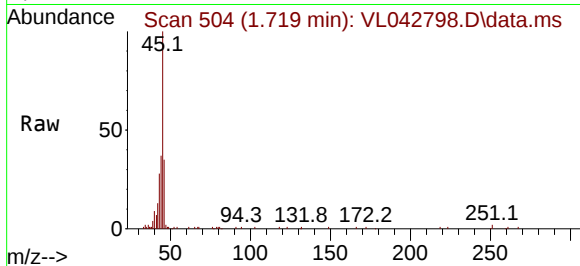




#13
Ethanol
Concen: 9.859 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

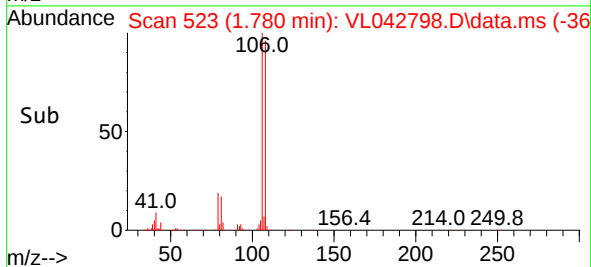
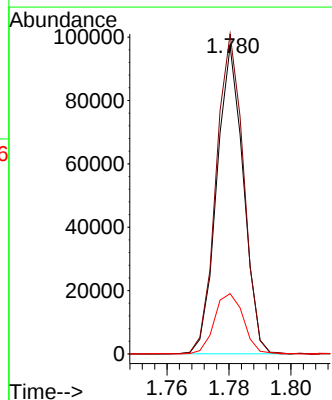
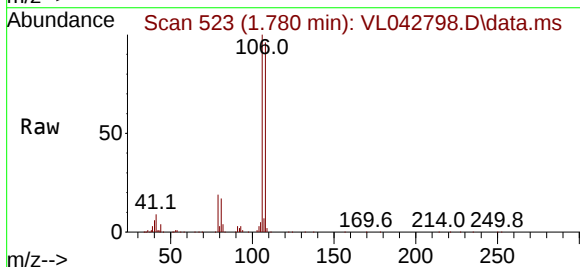
Instrument :
MSVOA_L
ClientSampleId :

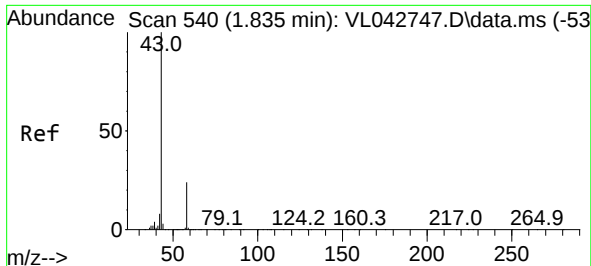
Tgt Ion: 45 Resp: 7676
Ion Ratio Lower Upper
45 100
46 40.9 17.8 71.4



#14
Bromoethene
Concen: 10.313 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 108 Resp: 57843
Ion Ratio Lower Upper
108 100
106 107.0 84.7 127.1
79 21.9 17.4 26.2

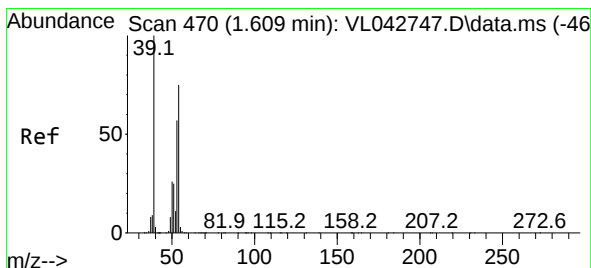
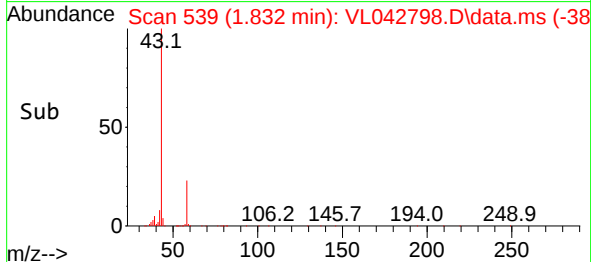
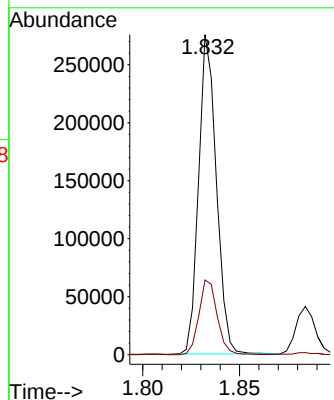
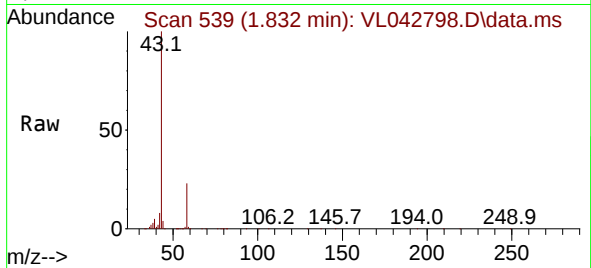




#15
Acetone
Concen: 8.308 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

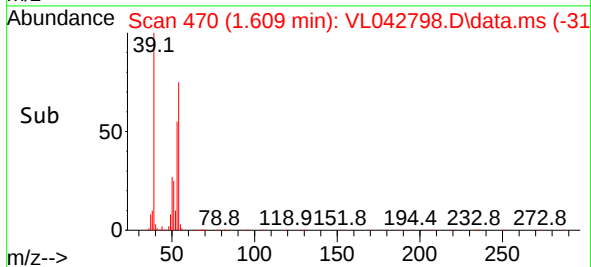
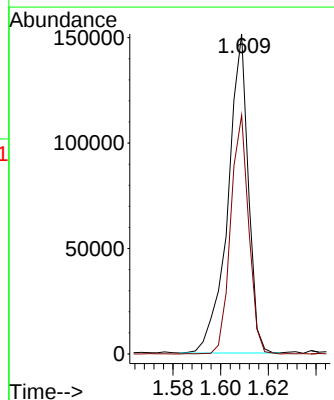
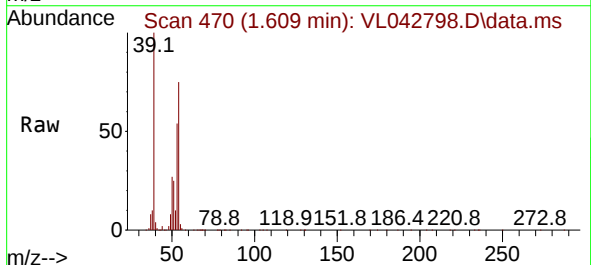
Instrument :
MSVOA_L
ClientSampleId :

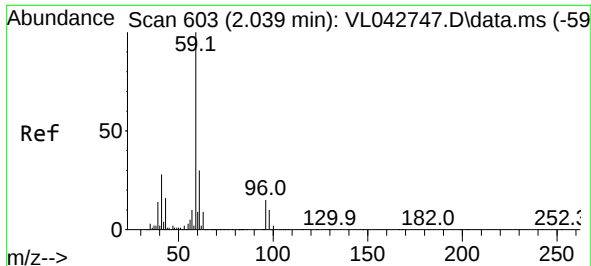
Tgt Ion: 43 Resp: 175468
Ion Ratio Lower Upper
43 100
58 24.2 19.8 29.8



#16
1,3-Butadiene
Concen: 9.992 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 39 Resp: 90012
Ion Ratio Lower Upper
39 100
54 66.4 54.5 81.7





#17

tert-Butyl alcohol

Concen: 9.777 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

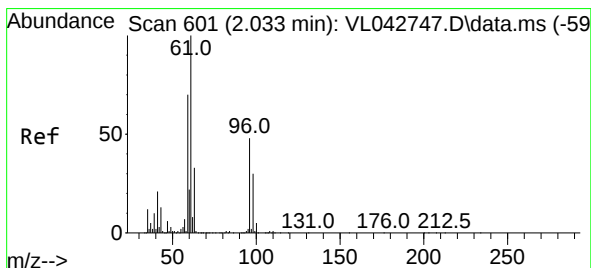
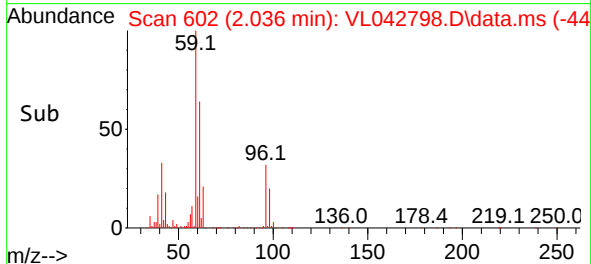
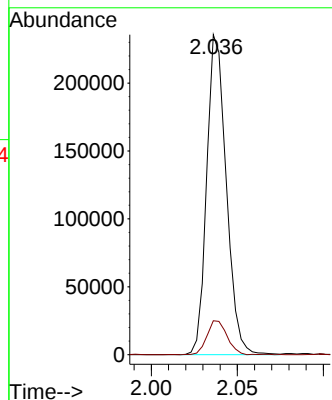
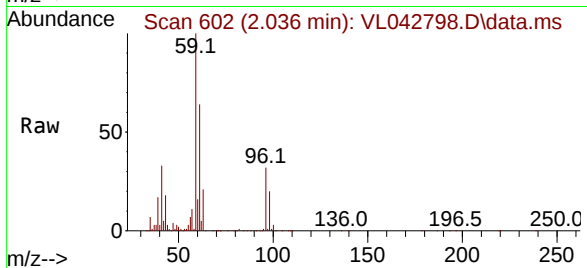
ClientSampleId :

Tgt Ion: 59 Resp: 186238

Ion Ratio Lower Upper

59 100

57 11.1 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.855 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

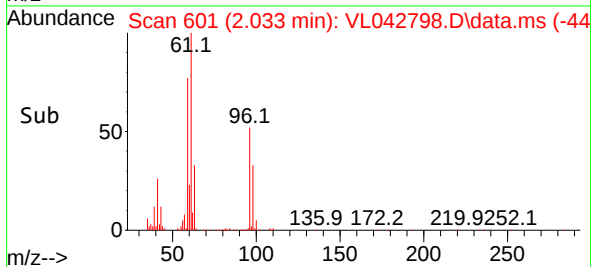
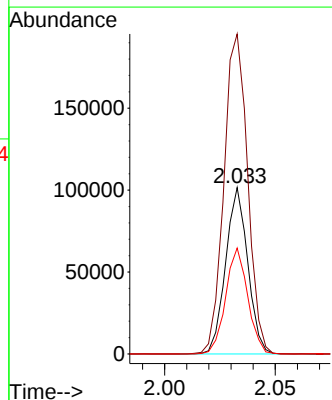
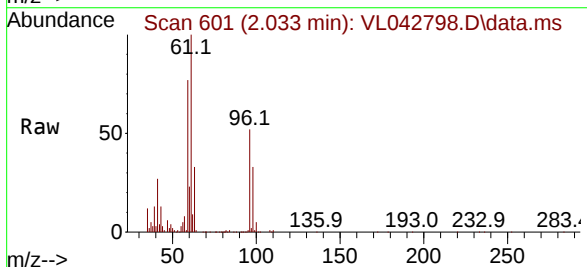
Tgt Ion: 96 Resp: 70538

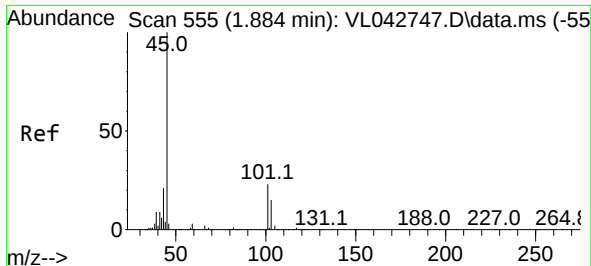
Ion Ratio Lower Upper

96 100

61 192.3 165.8 248.6

98 63.7 49.9 74.9





#19

Isopropyl Alcohol

Concen: 9.899 ppbv

RT: 1.884 min Scan# 511

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

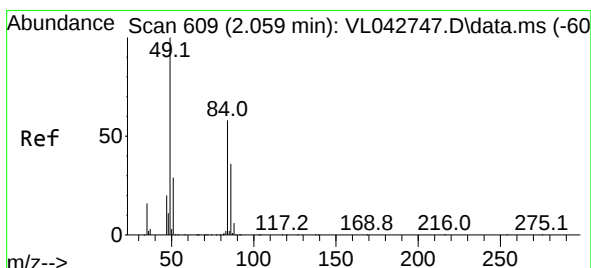
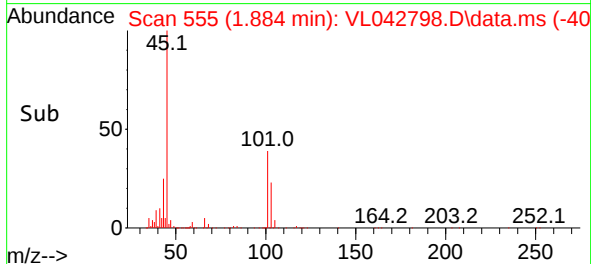
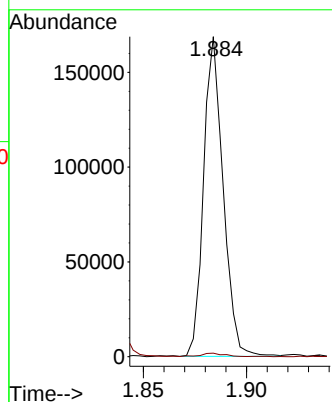
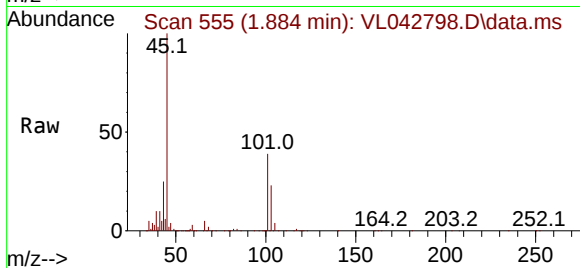
ClientSampleId :

Tgt Ion: 45 Resp: 111099

Ion Ratio Lower Upper

45 100

58 38.2 30.0 45.0



#20

Methylene Chloride

Concen: 9.349 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Tgt Ion: 84 Resp: 62223

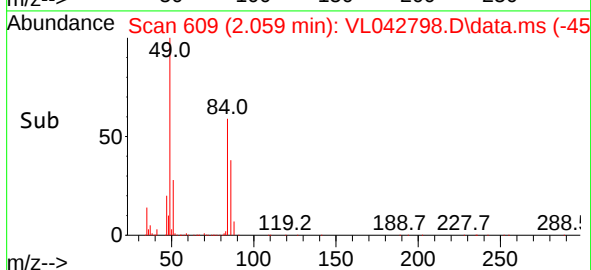
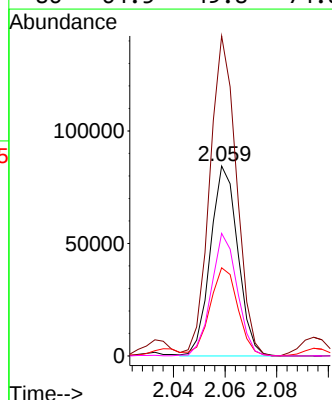
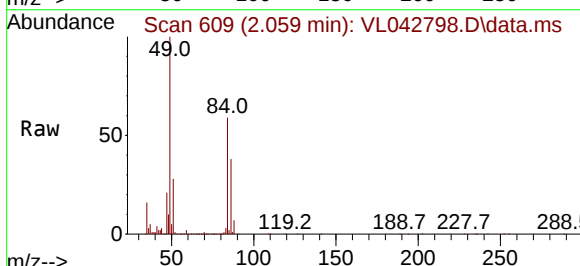
Ion Ratio Lower Upper

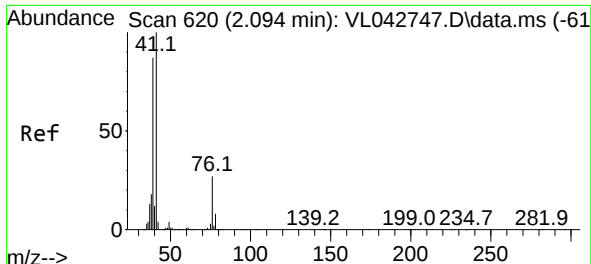
84 100

49 168.4 138.6 208.0

51 46.4 40.6 61.0

86 64.5 49.8 74.8

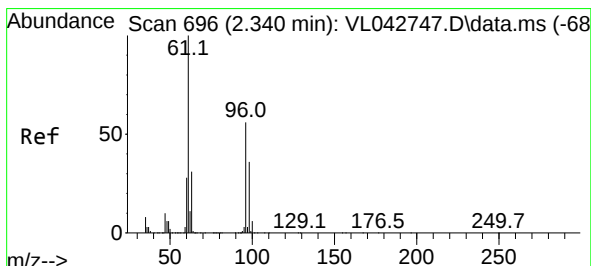
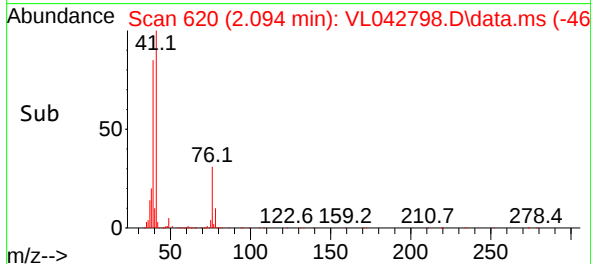
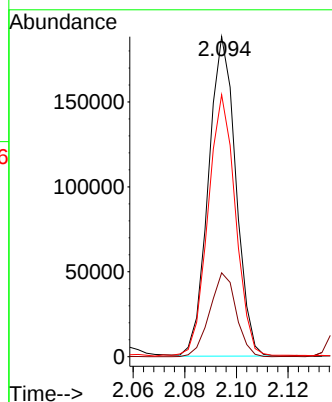
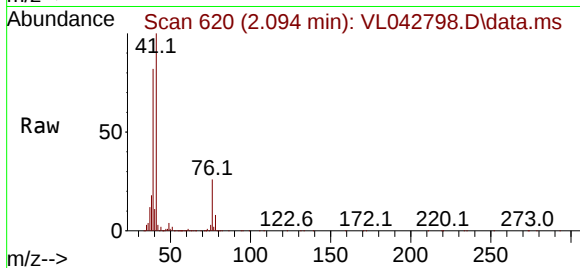




#21
 Allyl Chloride
 Concen: 10.664 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

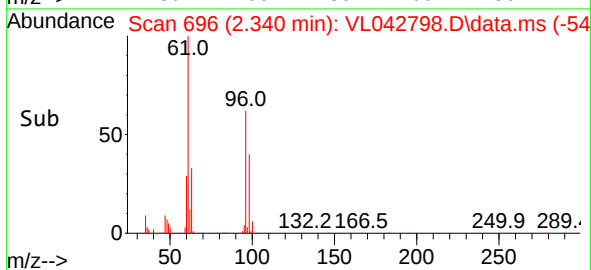
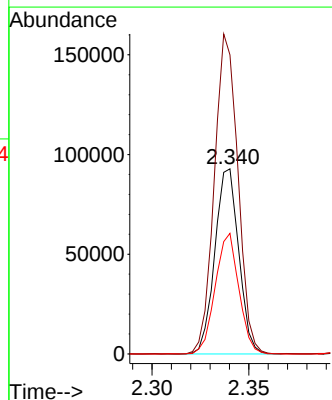
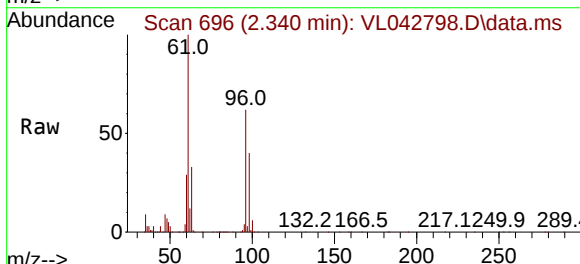
Instrument :
 MSVOA_L
 ClientSampleId :

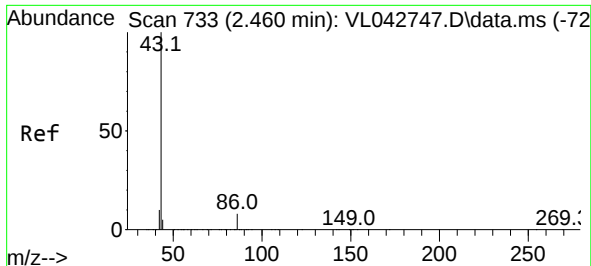
Tgt Ion: 41 Resp: 138811
 Ion Ratio Lower Upper
 41 100
 76 25.2 21.1 31.7
 39 81.3 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.348 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion: 96 Resp: 79678
 Ion Ratio Lower Upper
 96 100
 61 161.5 142.3 213.5
 98 65.1 50.6 76.0

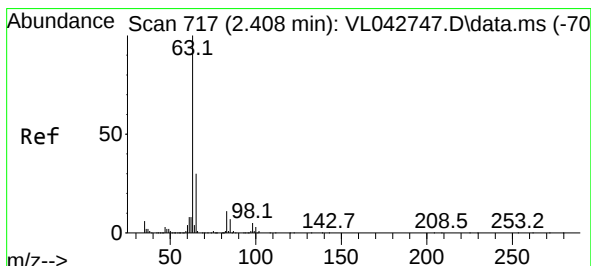
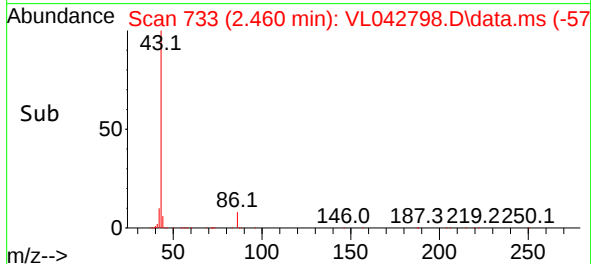
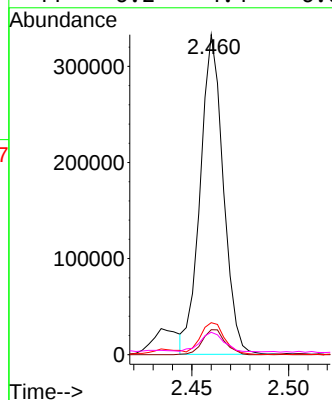
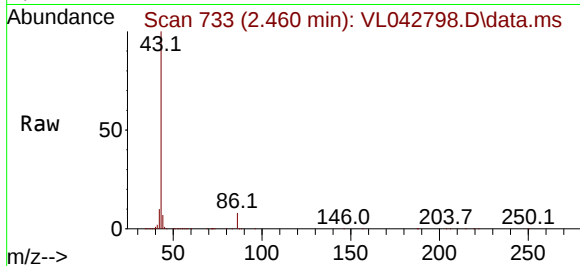




#23
 Vinyl Acetate
 Concen: 10.744 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

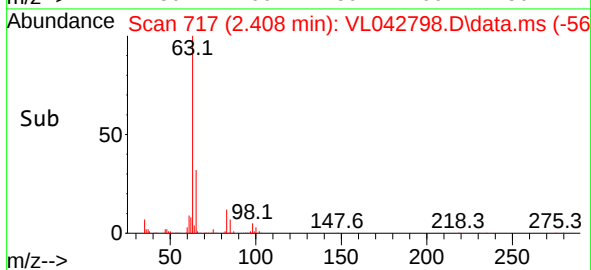
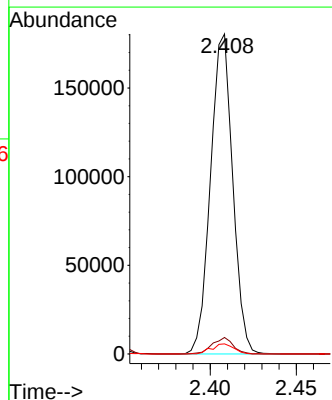
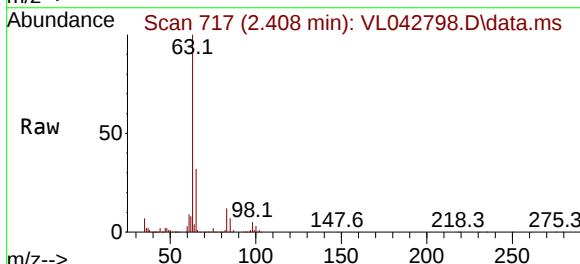
Instrument :
 MSVOA_1
 ClientSampleId :

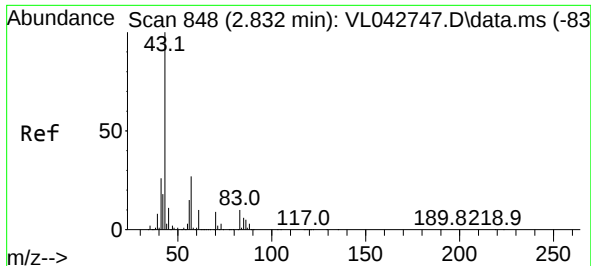
Tgt Ion:	43	Resp:	275096
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.1	9.1
42	9.8	7.8	11.8
44	6.2	4.4	6.6



#24
 1,1-Dichloroethane
 Concen: 10.252 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion:	63	Resp:	162025
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.1	1.6	4.8

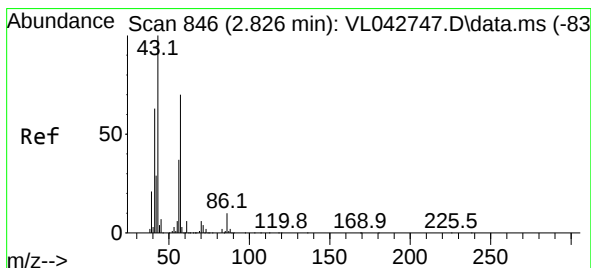
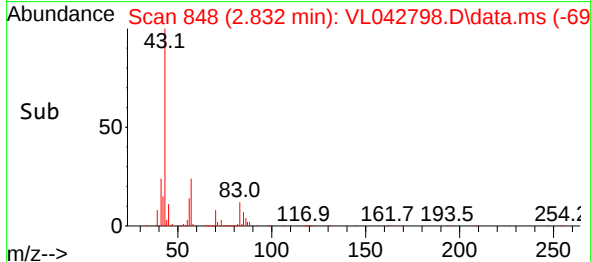
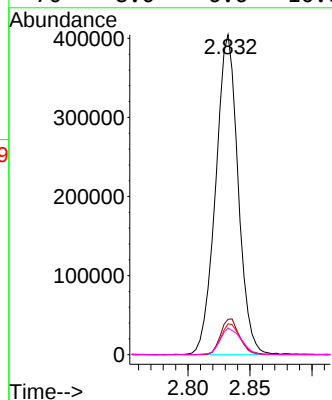
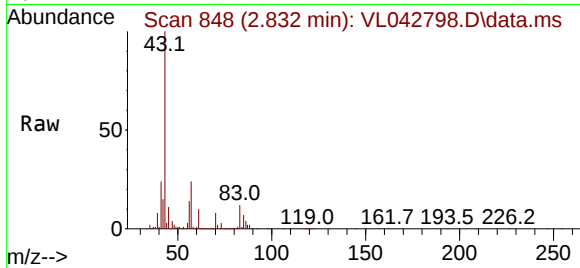




#25
Ethyl Acetate
Concen: 10.908 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

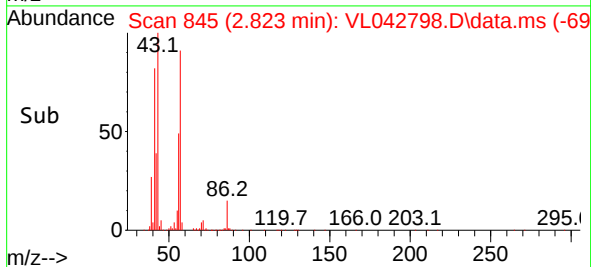
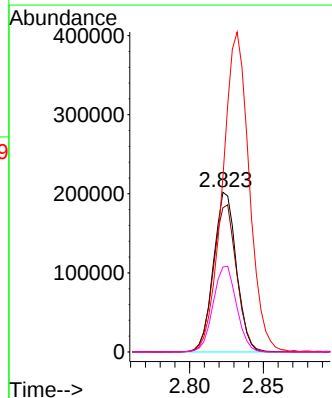
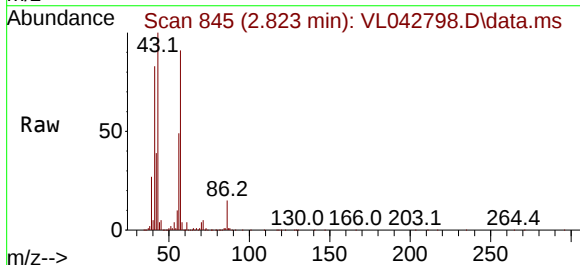
Instrument :
MSVOA_L
ClientSampleId :

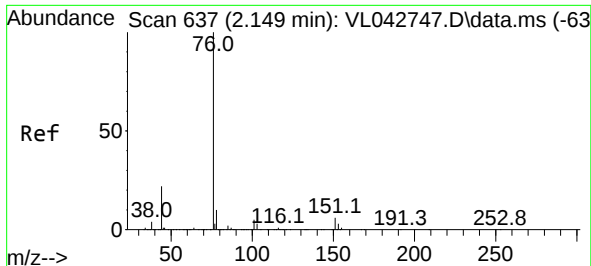
Tgt Ion:	43	Resp:	509939
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.4	6.7	10.1
70	8.0	6.6	10.0



#26
Hexane
Concen: 10.603 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion:	57	Resp:	217430
Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.4	113.2
43	235.5	185.0	277.6
56	55.0	42.9	64.3

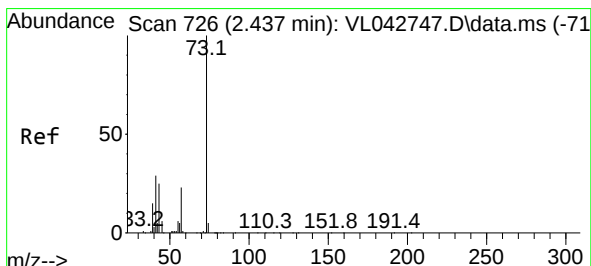
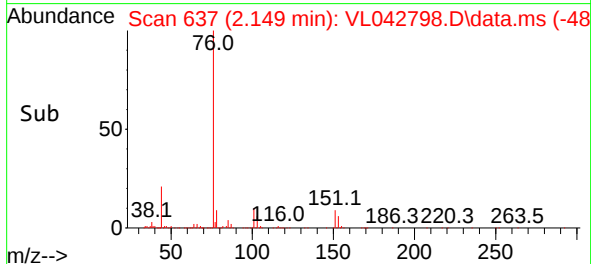
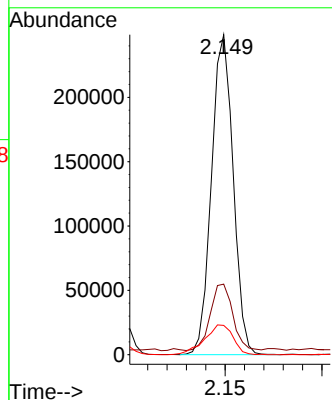
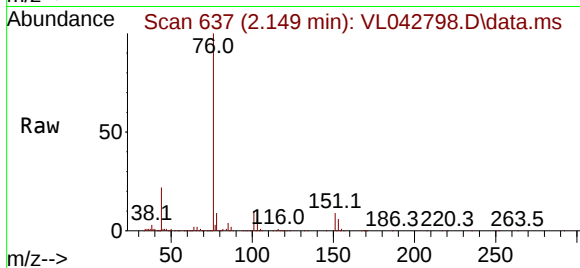




#27
Carbon Disulfide
Concen: 11.020 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

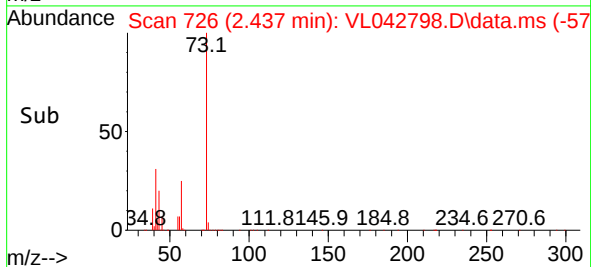
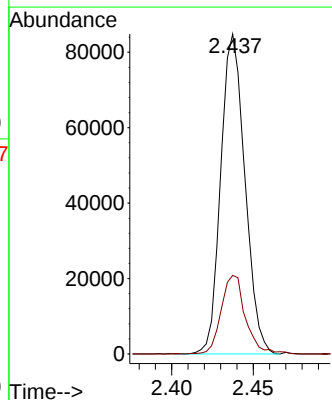
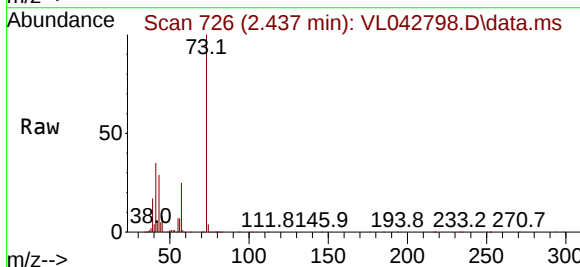
Instrument :
MSVOA_L
ClientSampleId :

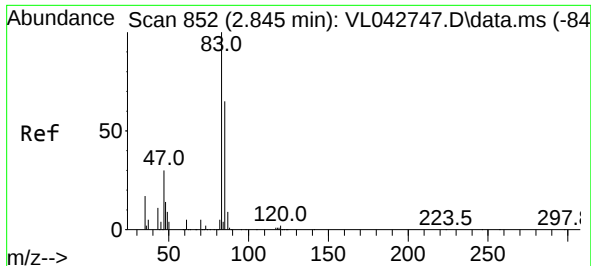
Tgt Ion: 76 Resp: 193468
Ion Ratio Lower Upper
76 100
44 24.3 19.3 28.9
78 12.3 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 9.013 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 73 Resp: 87317
Ion Ratio Lower Upper
73 100
57 24.7 19.8 29.8





#29

Chloroform

Concen: 10.770 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

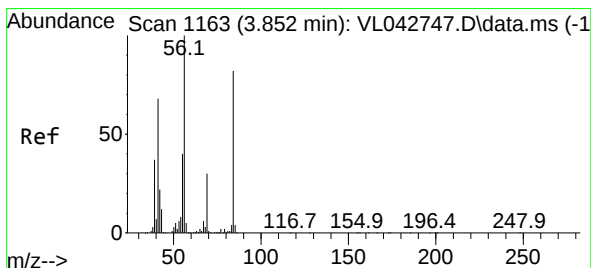
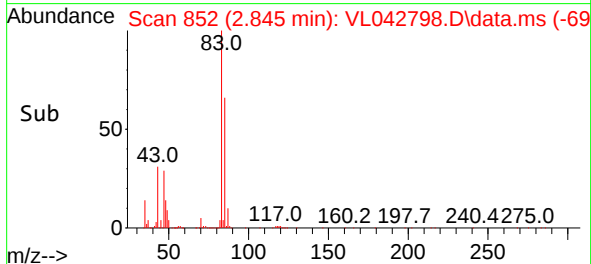
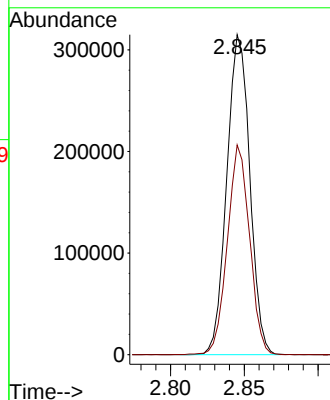
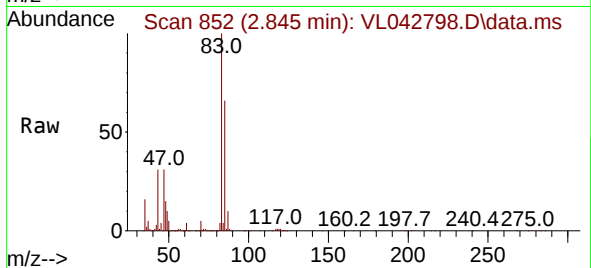
ClientSampleId :

Tgt Ion: 83 Resp: 341292

Ion Ratio Lower Upper

83 100

85 65.5 52.2 78.2



#30

Cyclohexane

Concen: 10.516 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

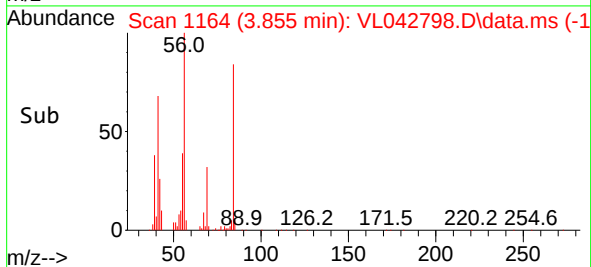
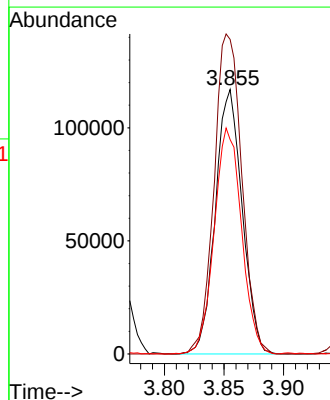
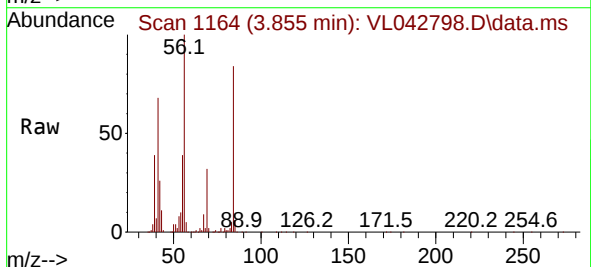
Tgt Ion: 84 Resp: 182892

Ion Ratio Lower Upper

84 100

56 125.4 97.5 146.3

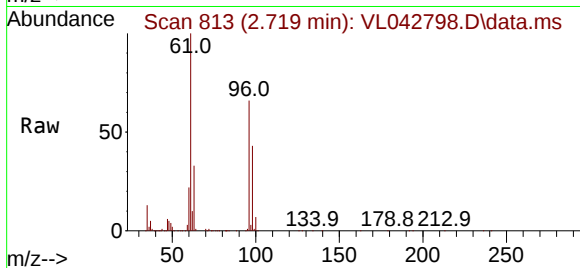
41 87.4 67.2 100.8



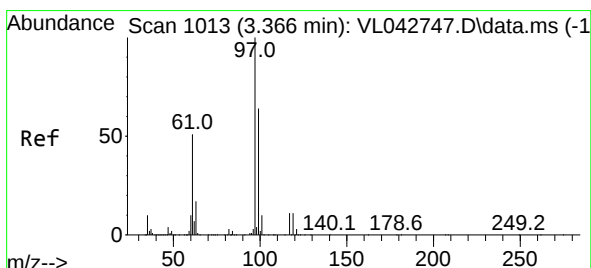
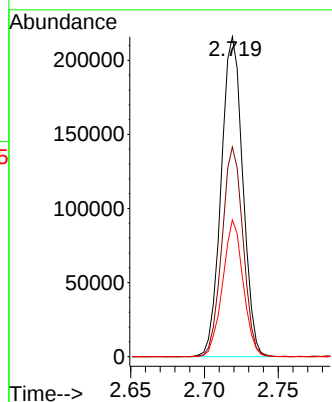
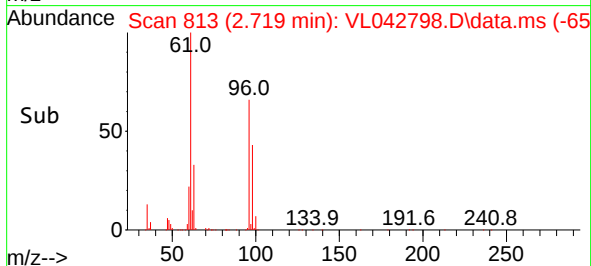


#31
 cis-1,2-Dichloroethene
 Concen: 10.456 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

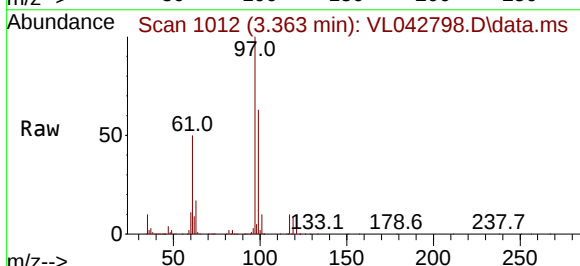
Instrument :
 MSVOA_L
 ClientSampleId :



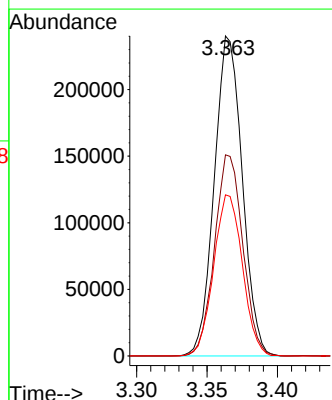
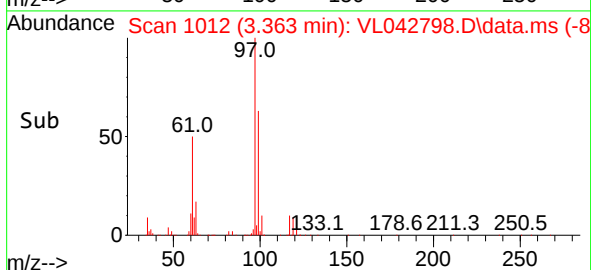
Tgt Ion: 61 Resp: 220340
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.5 80.3
 98 42.7 33.6 50.4

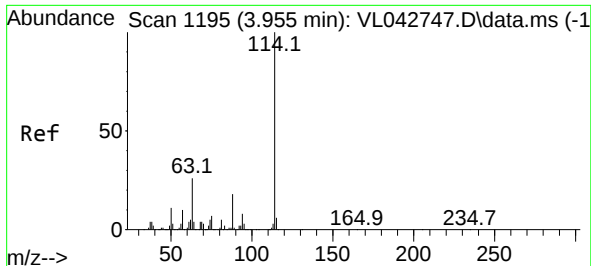


#32
 1,1,1-Trichloroethane
 Concen: 10.083 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58



Tgt Ion: 97 Resp: 332840
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.6
 61 51.9 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

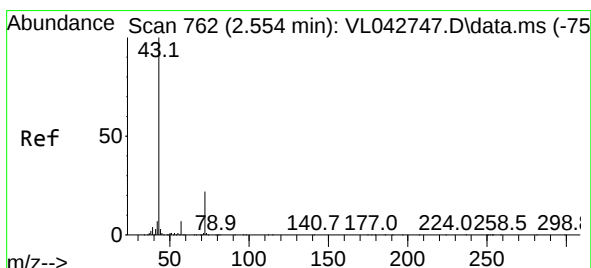
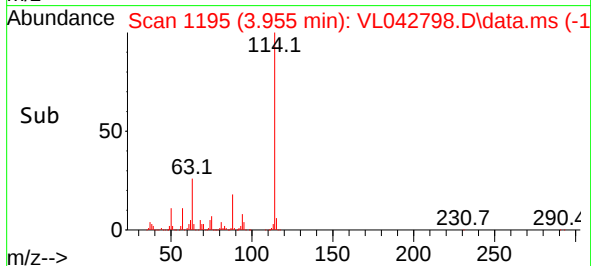
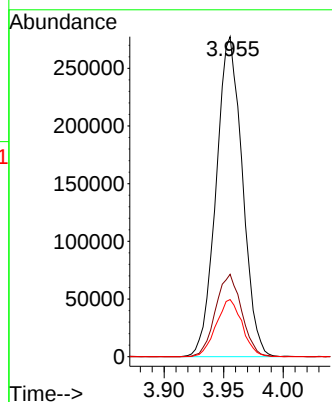
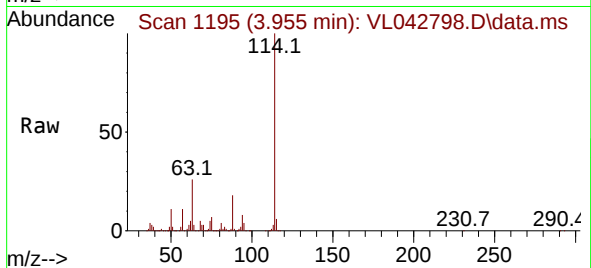
Tgt Ion:114 Resp: 424278

Ion Ratio Lower Upper

114 100

63 25.8 20.5 30.7

88 17.7 14.0 21.0



#34

2-Butanone

Concen: 10.922 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042798.D

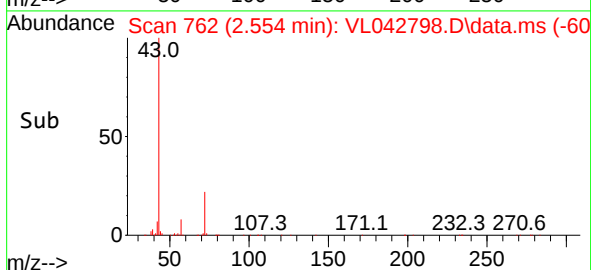
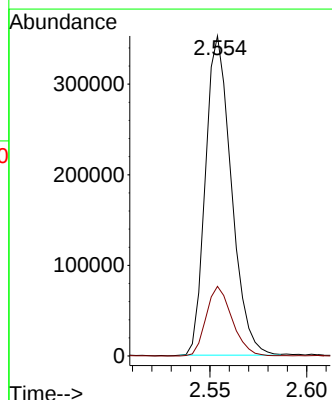
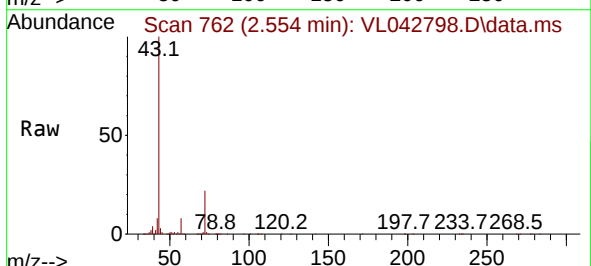
Acq: 04 Aug 2025 10:58

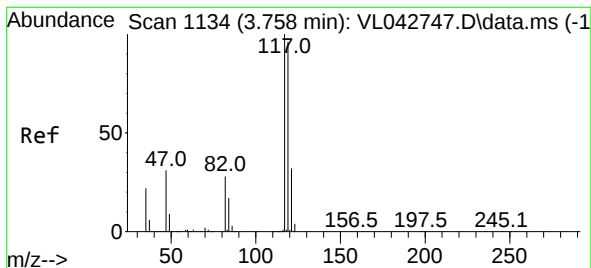
Tgt Ion: 43 Resp: 328262

Ion Ratio Lower Upper

43 100

72 22.0 17.4 26.0





#35

Carbon Tetrachloride

Concen: 11.173 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

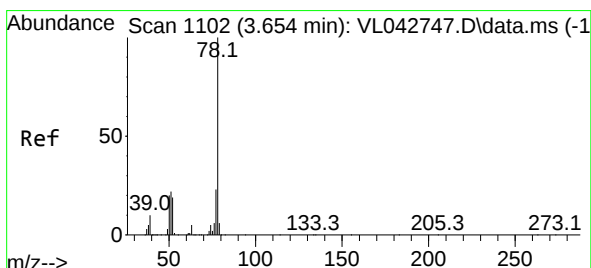
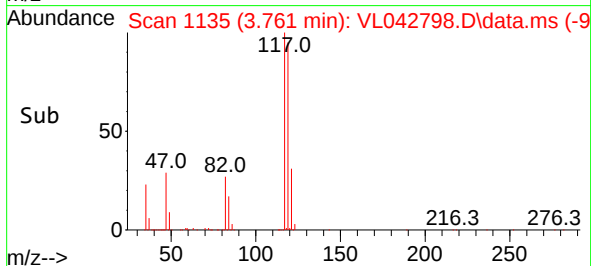
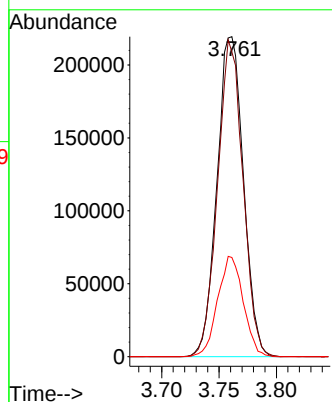
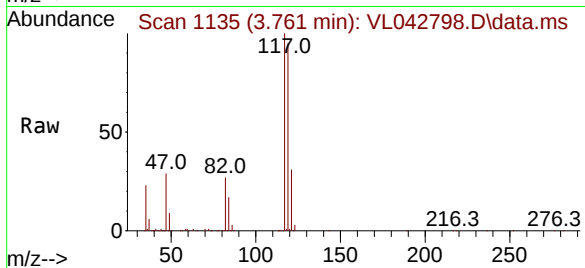
Tgt Ion:117 Resp: 352113

Ion Ratio Lower Upper

117 100

119 95.2 77.1 115.7

121 31.0 25.5 38.3



#36

Benzene

Concen: 11.012 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

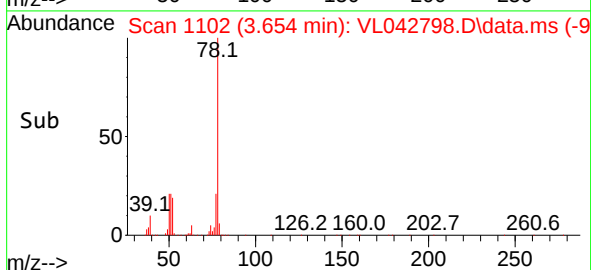
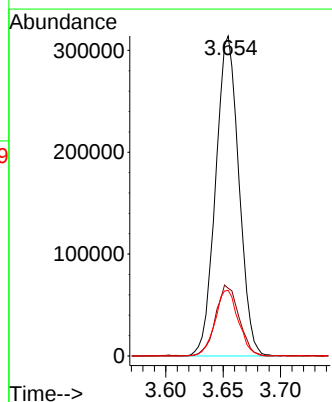
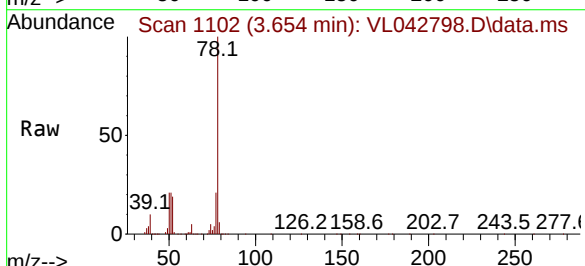
Tgt Ion: 78 Resp: 442780

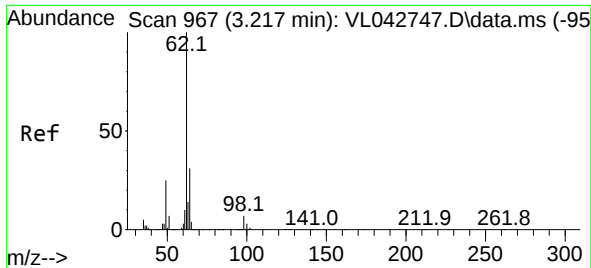
Ion Ratio Lower Upper

78 100

77 21.1 18.5 27.7

50 20.5 16.2 24.2

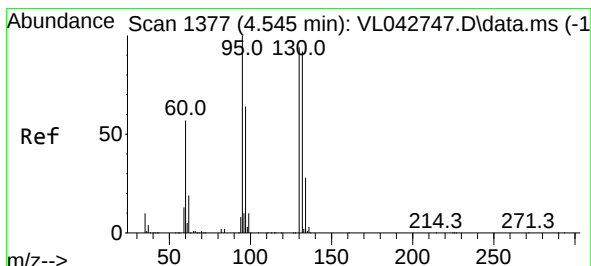
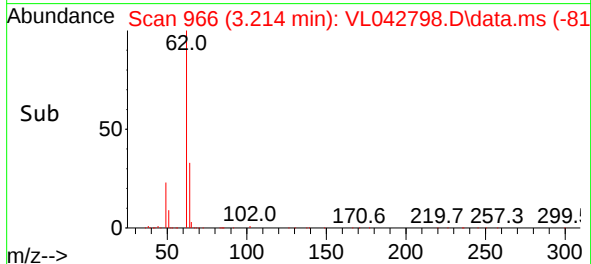
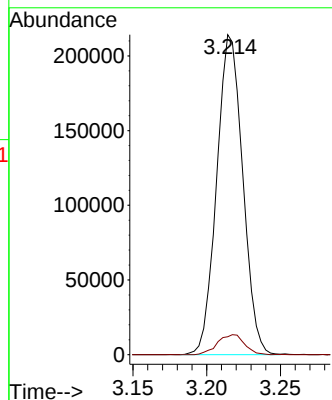
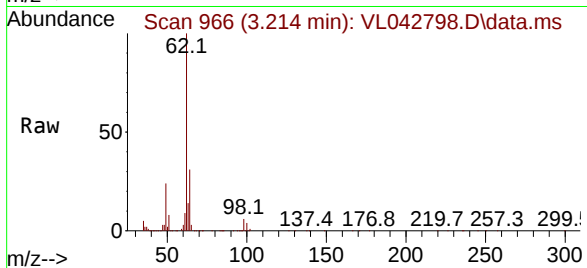




#37
1,2-Dichloroethane
Concen: 10.867 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

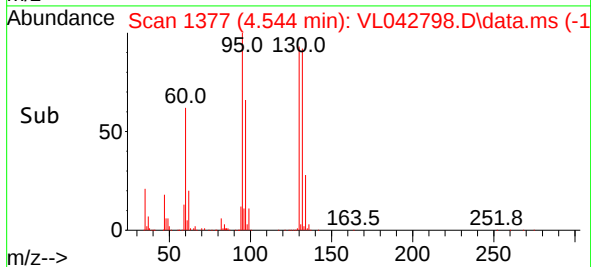
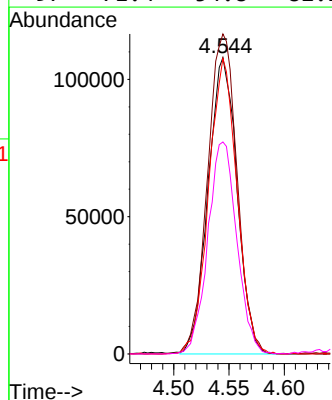
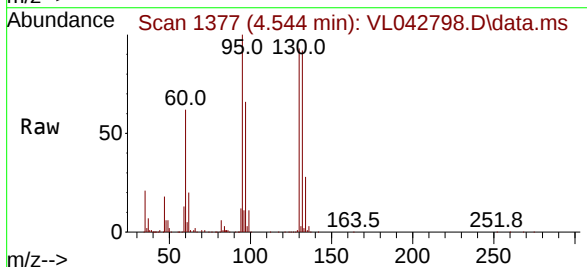
Instrument :
MSVOA_L
ClientSampleId :

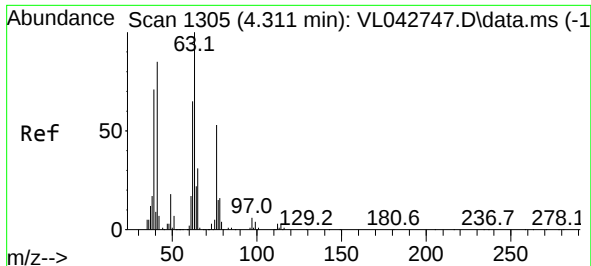
Tgt Ion: 62 Resp: 263215
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8



#38
Trichloroethene
Concen: 10.162 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion:130 Resp: 196304
Ion Ratio Lower Upper
130 100
95 107.8 85.4 128.2
132 99.7 78.2 117.2
97 71.4 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.820 ppbv

RT: 4.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

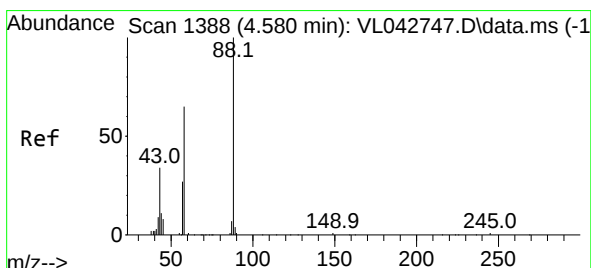
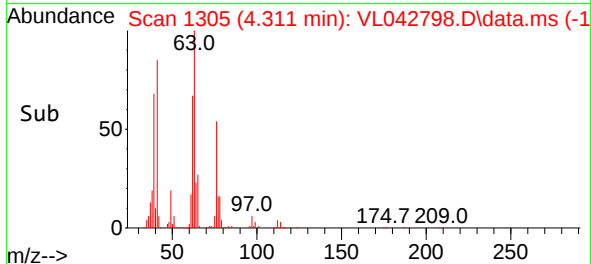
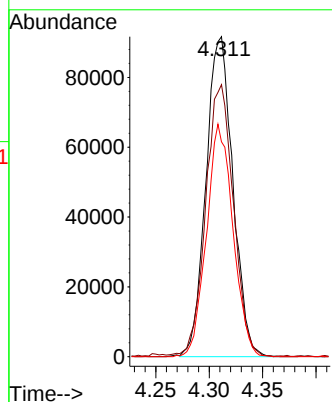
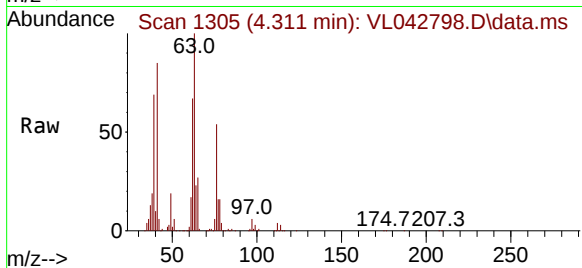
Tgt Ion: 63 Resp: 160594

Ion Ratio Lower Upper

63 100

41 84.7 68.2 102.4

62 67.1 52.0 78.0



#40

1,4-Dioxane

Concen: 10.699 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Tgt Ion: 88 Resp: 74021

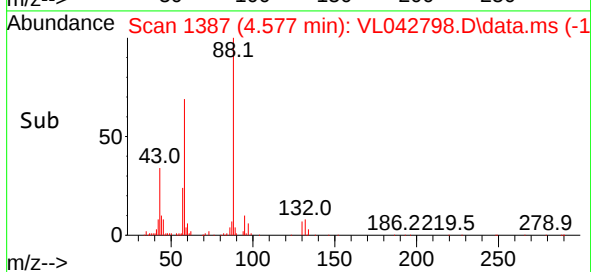
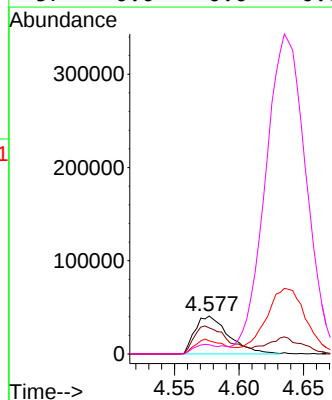
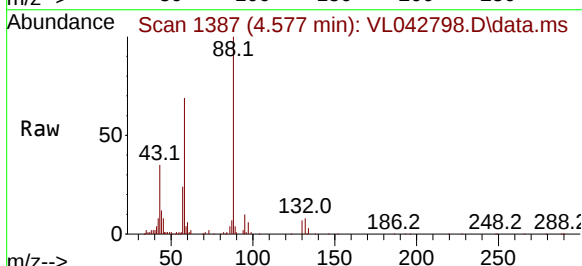
Ion Ratio Lower Upper

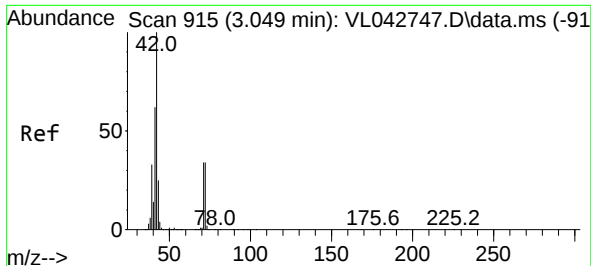
88 100

58 71.4 58.8 88.2

43 32.6 28.9 43.3

57 0.0 0.0 0.0

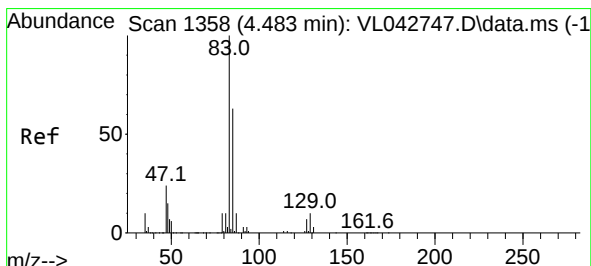
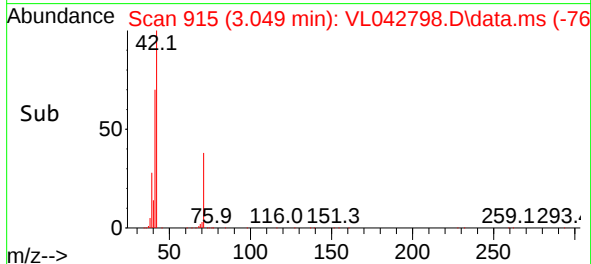
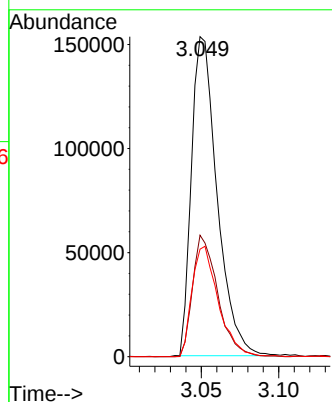
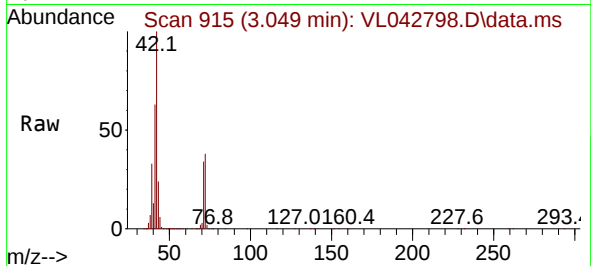




#41
Tetrahydrofuran
Concen: 11.586 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

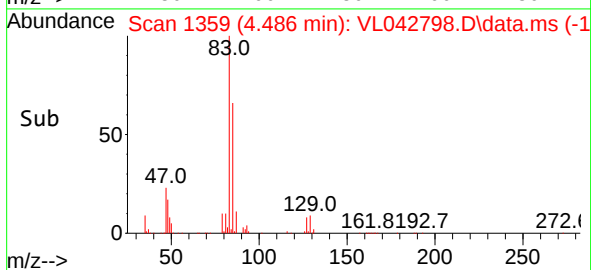
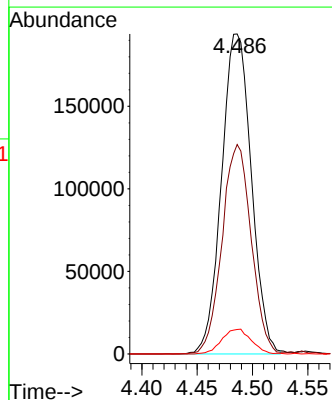
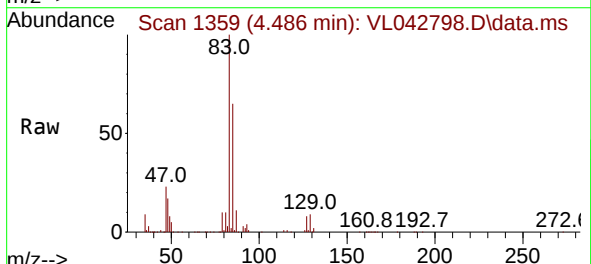
Instrument :
MSVOA_L
ClientSampleId :

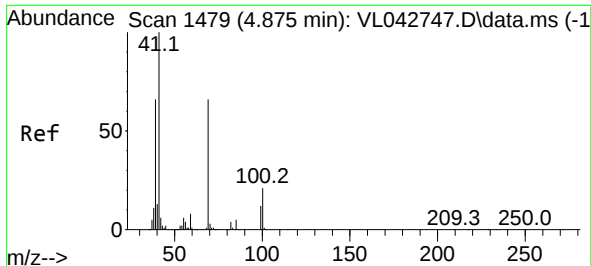
Tgt Ion: 42 Resp: 177182
Ion Ratio Lower Upper
42 100
72 37.2 30.9 46.3
71 35.7 28.6 43.0



#42
Bromodichloromethane
Concen: 11.524 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 83 Resp: 363538
Ion Ratio Lower Upper
83 100
85 65.4 50.2 75.4
127 7.7 5.4 8.2

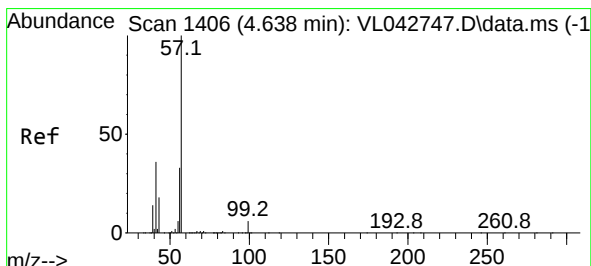
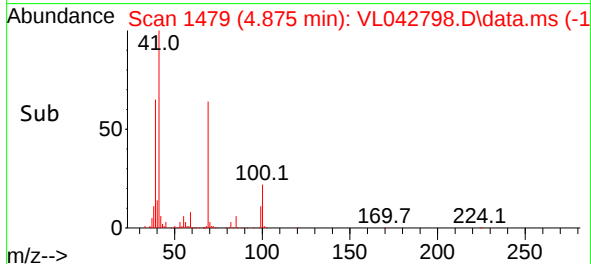
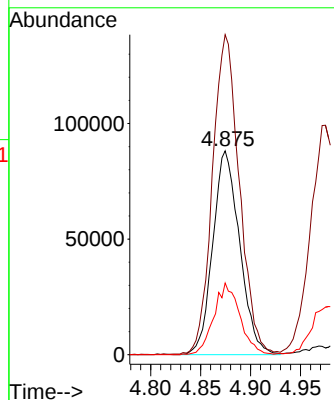
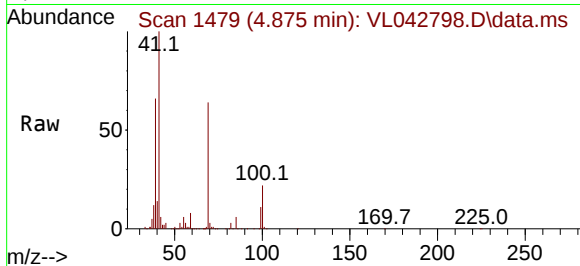




#43
Methyl Methacrylate
Concen: 11.536 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

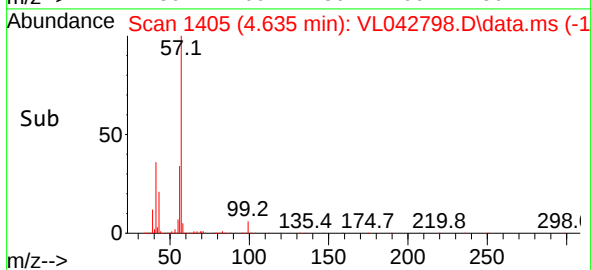
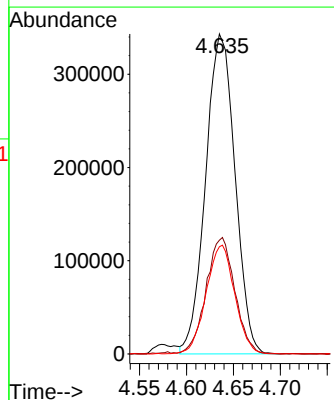
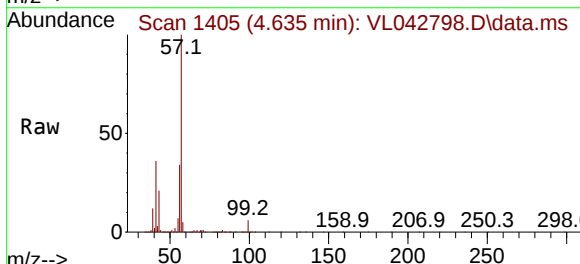
Instrument :
MSVOA_L
ClientSampleId :

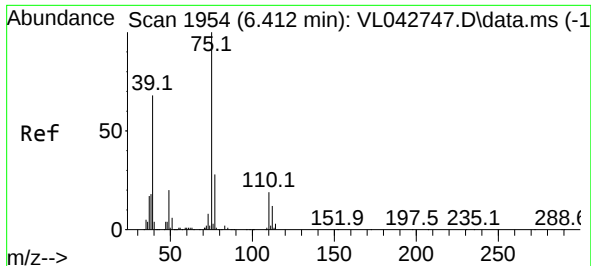
Tgt Ion: 69 Resp: 164875
Ion Ratio Lower Upper
69 100
41 157.6 125.7 188.5
100 33.9 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 11.408 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 57 Resp: 747668
Ion Ratio Lower Upper
57 100
41 36.0 28.3 42.5
56 33.3 25.8 38.6

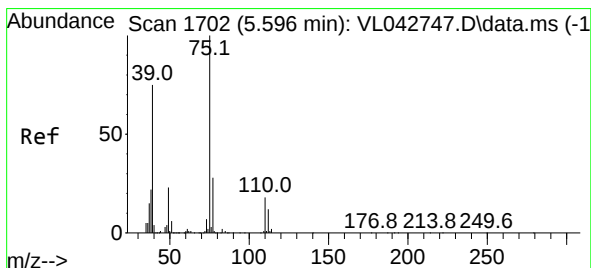
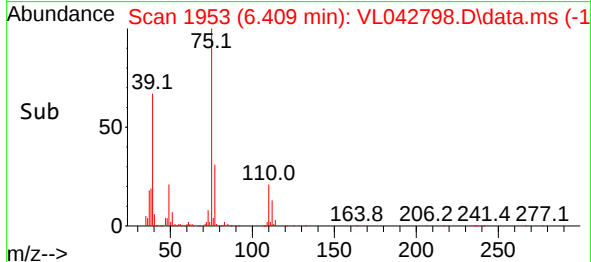
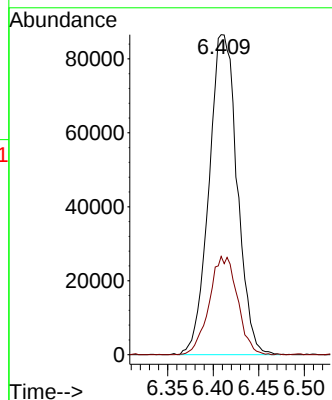
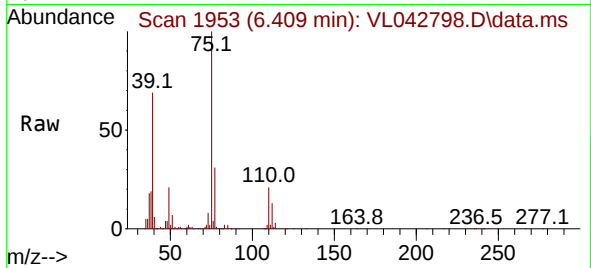




#45
 t-1,3-Dichloropropene
 Concen: 11.617 ppbv
 RT: 6.409 min Scan# 1953
 Delta R.T. -0.003 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

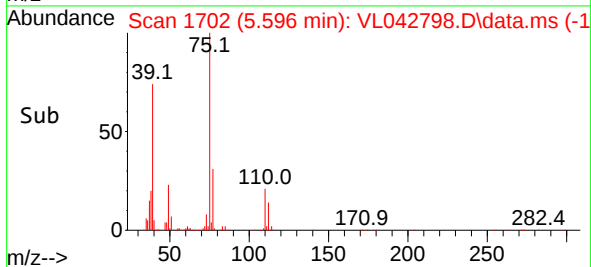
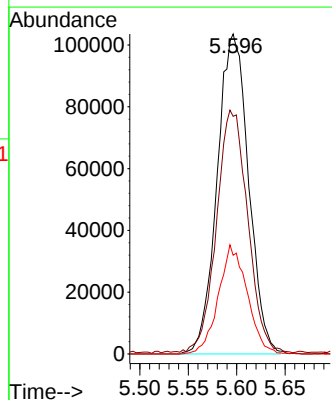
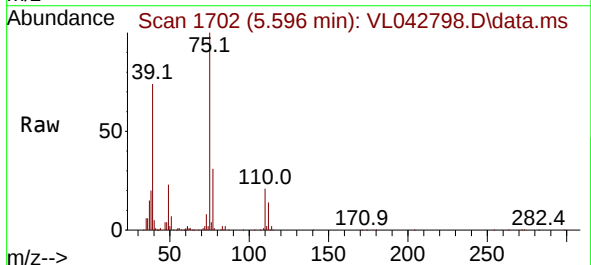
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 75 Resp: 186189
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.503 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

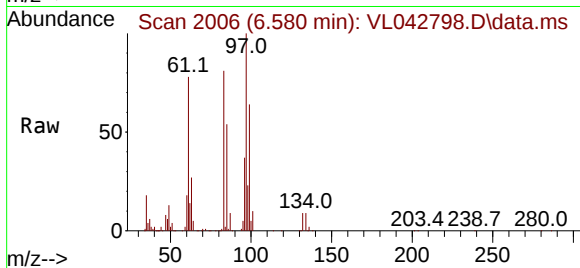
Tgt Ion: 75 Resp: 233634
 Ion Ratio Lower Upper
 75 100
 39 73.7 60.2 90.2
 77 30.8 22.6 34.0



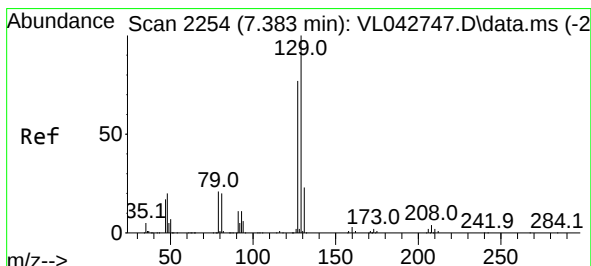
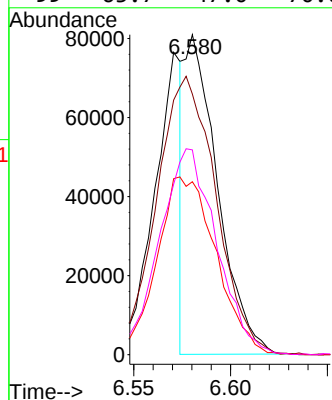
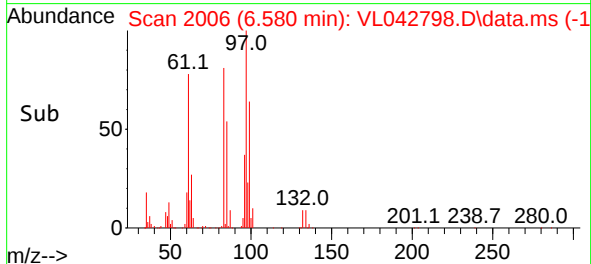


#47
1,1,2-Trichloroethane
Concen: 6.050 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

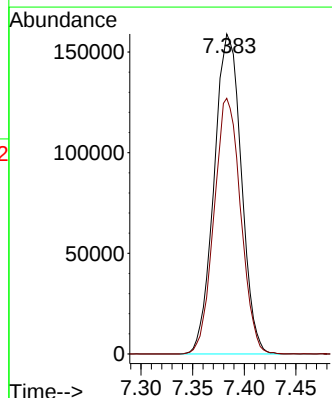
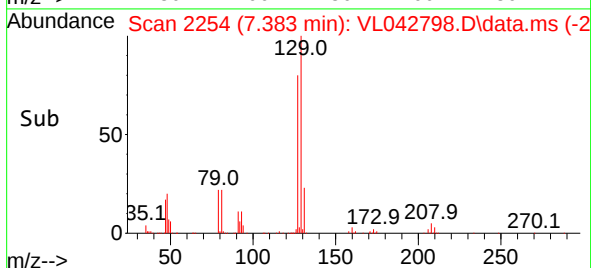
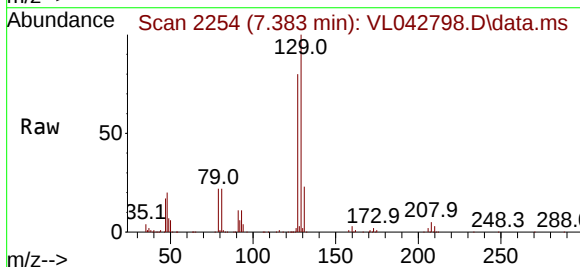


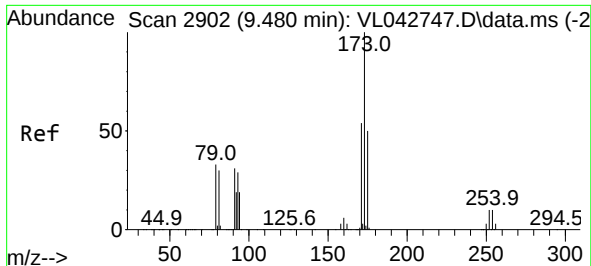
Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.1	106.7
85	53.9	43.0	64.4
99	63.7	47.0	70.6



#48
Dibromochloromethane
Concen: 11.619 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.7	116.1





#49

Bromoform

Concen: 11.698 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

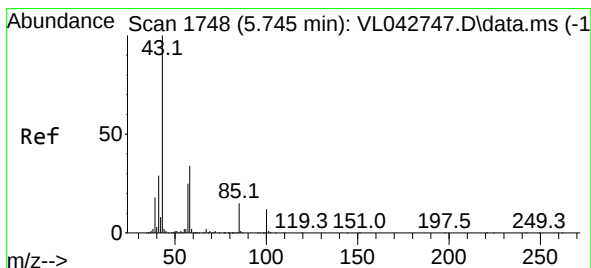
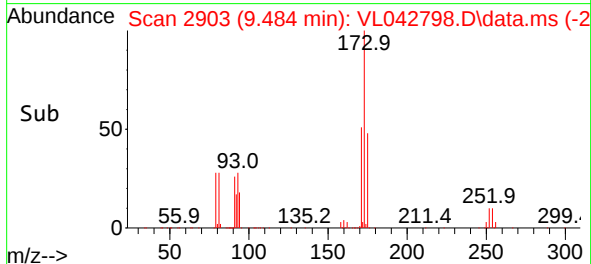
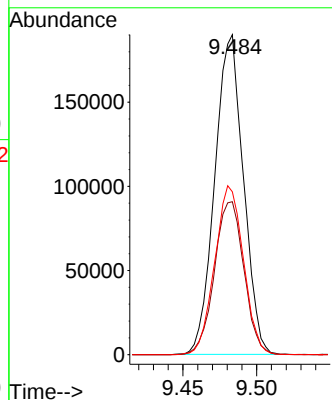
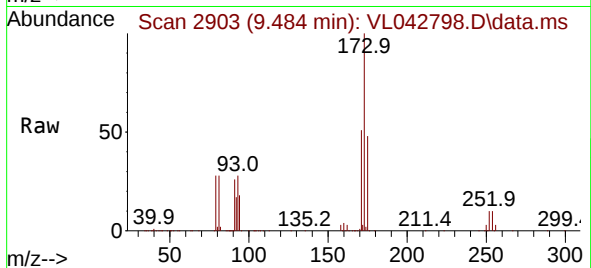
Tgt Ion:173 Resp: 256208

Ion Ratio Lower Upper

173 100

175 49.4 38.4 57.6

171 53.1 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 11.601 ppbv

RT: 5.745 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VL042798.D

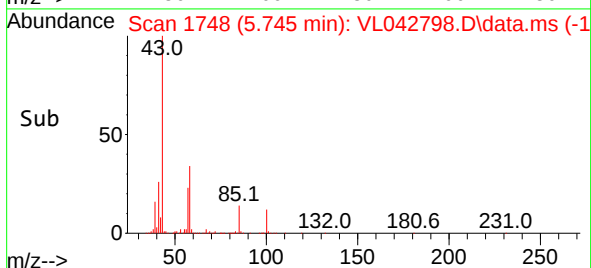
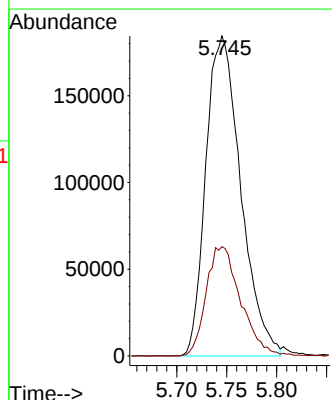
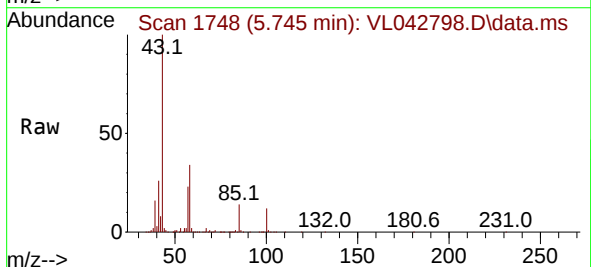
Acq: 04 Aug 2025 10:58

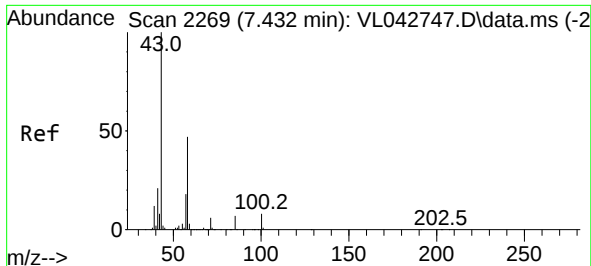
Tgt Ion: 43 Resp: 449115

Ion Ratio Lower Upper

43 100

58 33.8 27.8 41.8

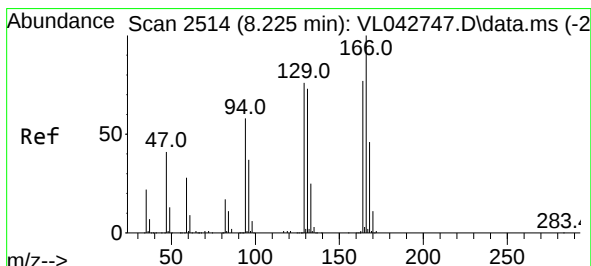
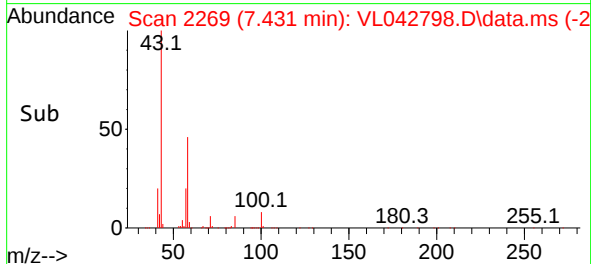
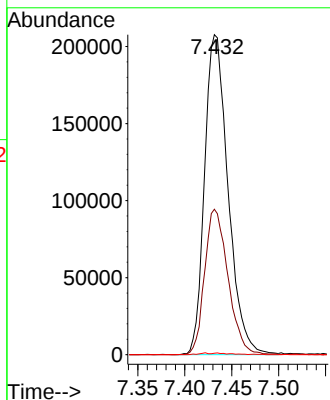
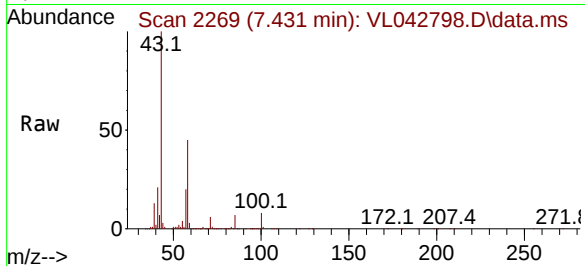




#51
 2-Hexanone
 Concen: 12.346 ppbv
 RT: 7.431 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

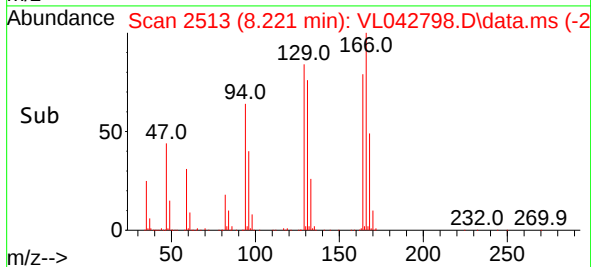
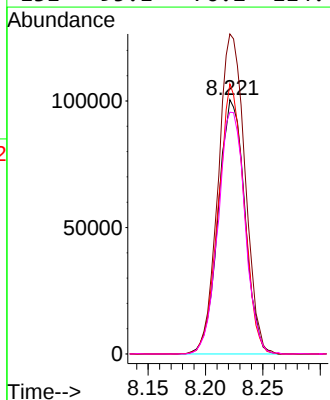
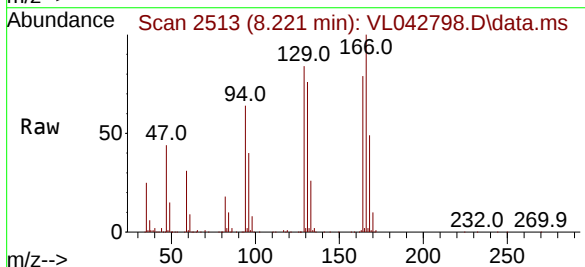
Instrument :
 MSVOA_L
 ClientSampleId :

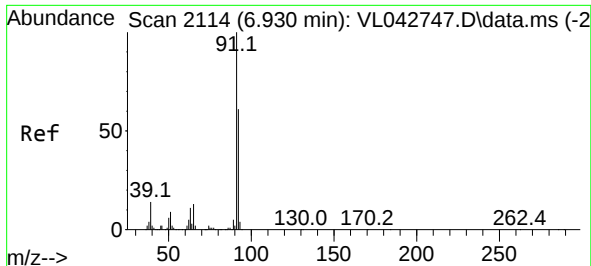
Tgt Ion: 43 Resp: 361190
 Ion Ratio Lower Upper
 43 100
 58 45.5 38.0 57.0
 98 0.7 0.2 0.4#



#52
 Tetrachloroethene
 Concen: 9.700 ppbv
 RT: 8.221 min Scan# 2513
 Delta R.T. -0.003 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion: 164 Resp: 161678
 Ion Ratio Lower Upper
 164 100
 166 125.9 104.0 156.0
 129 106.2 79.2 118.8
 131 95.1 76.2 114.4

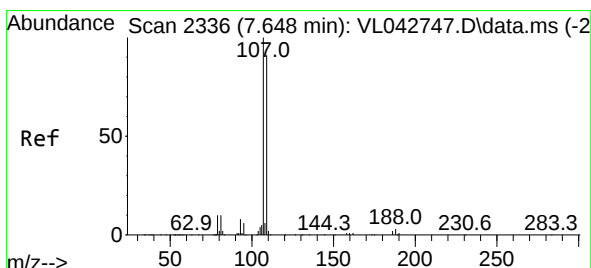
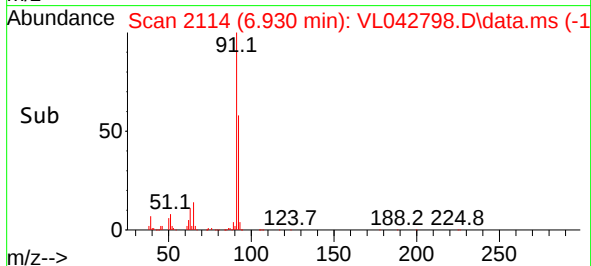
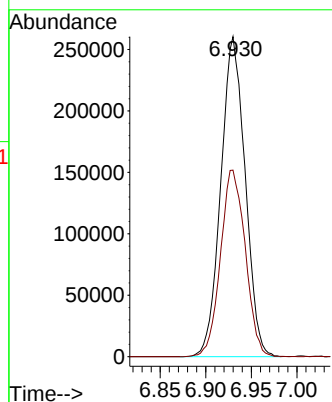
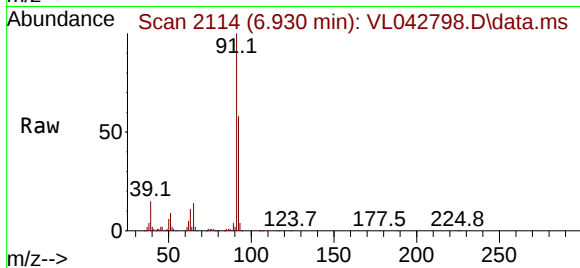




#53
Toluene
Concen: 11.202 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

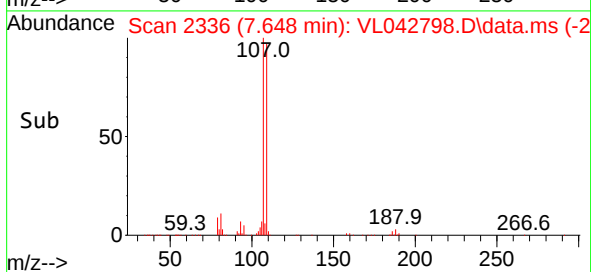
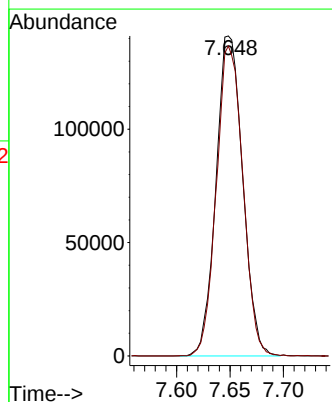
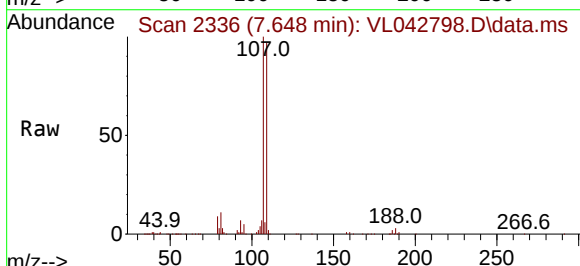
Instrument :
MSVOA_L
ClientSampleId :

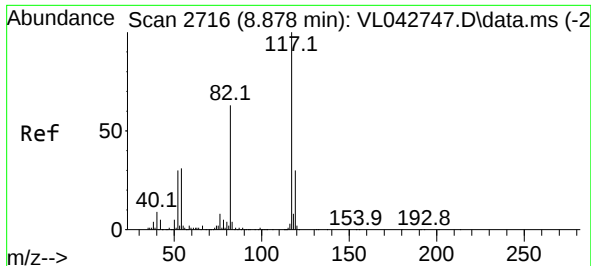
Tgt Ion: 91 Resp: 483690
Ion Ratio Lower Upper
91 100
92 59.4 48.0 72.0



#54
1,2-Dibromoethane
Concen: 10.964 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

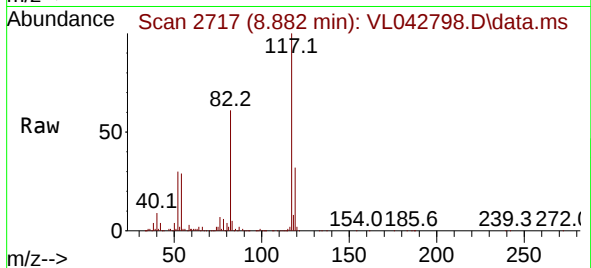
Tgt Ion: 107 Resp: 245100
Ion Ratio Lower Upper
107 100
109 96.8 72.7 109.1



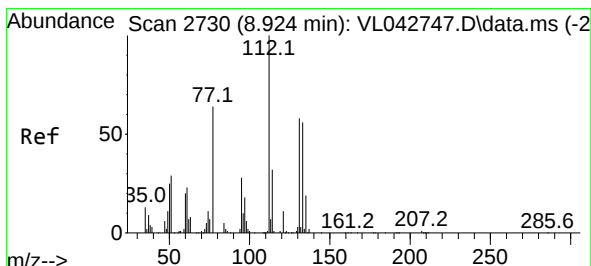
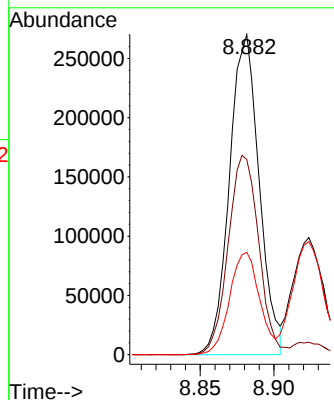
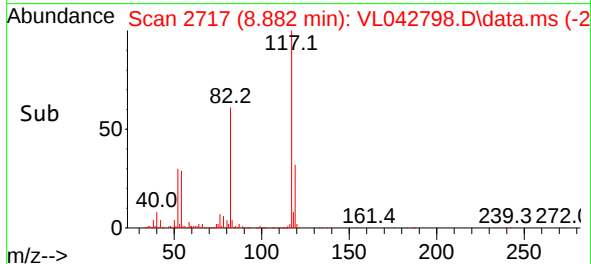


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

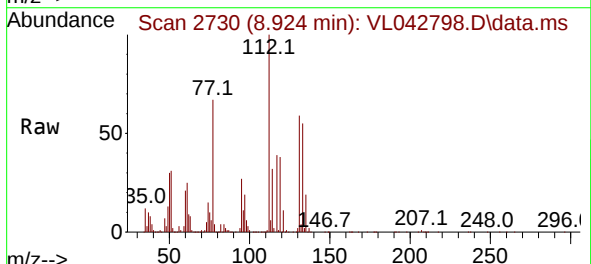
Instrument :
MSVOA_L
ClientSampleId :



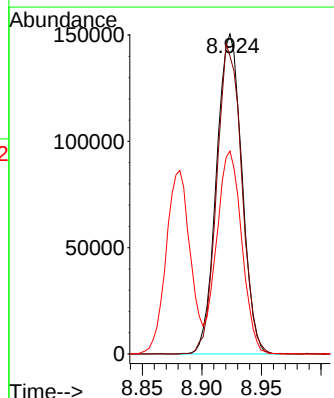
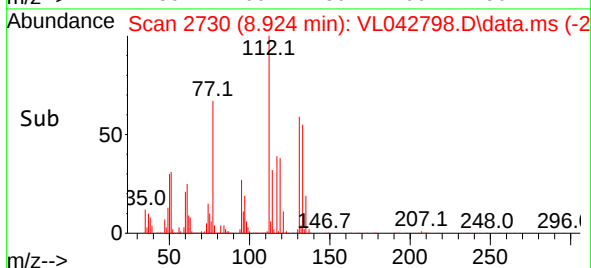
Tgt Ion:117 Resp: 379714
Ion Ratio Lower Upper
117 100
82 68.0 53.3 79.9
119 32.3 25.8 38.6

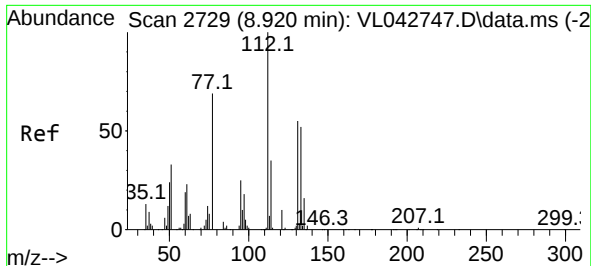


#56
1,1,1,2-Tetrachloroethane
Concen: 11.301 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58



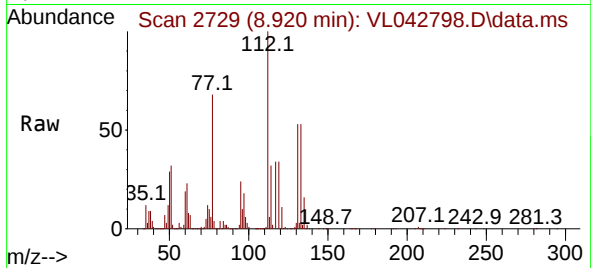
Tgt Ion:131 Resp: 223105
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 62.6 49.7 74.5



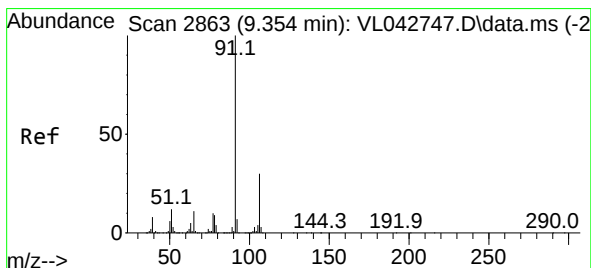
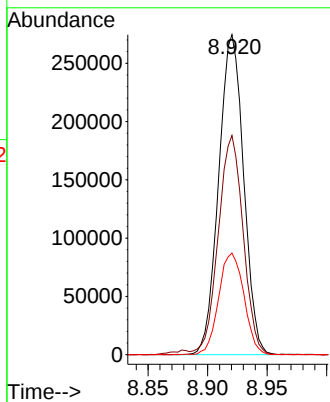
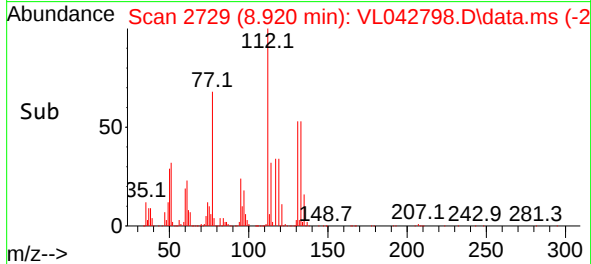


#57
Chlorobenzene
Concen: 10.865 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

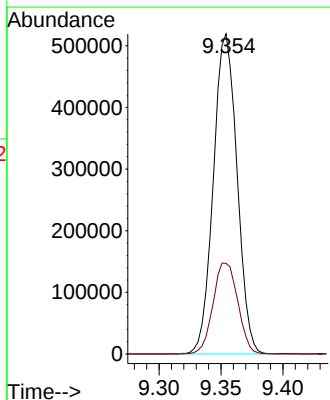
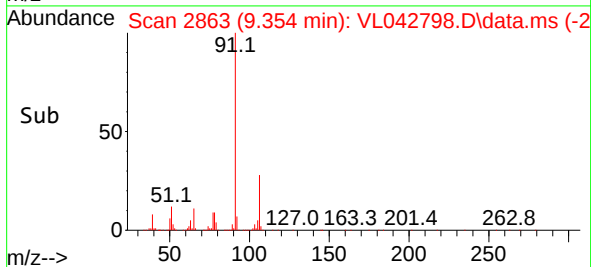
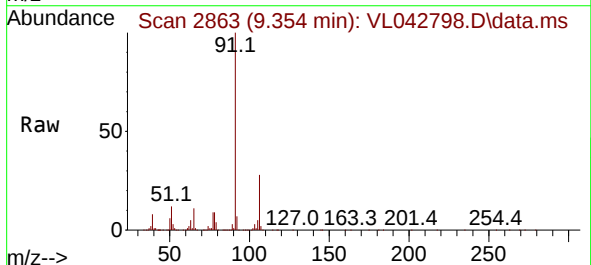


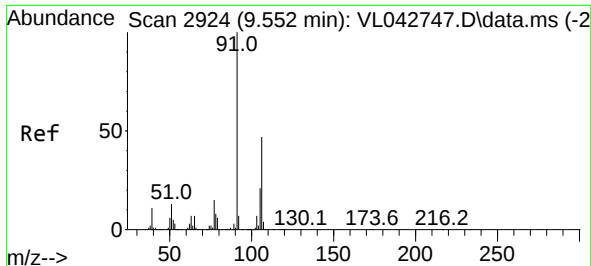
Tgt Ion:112 Resp: 399269
Ion Ratio Lower Upper
112 100
77 68.4 56.4 84.6
114 31.7 31.2 38.2



#58
Ethyl Benzene
Concen: 11.537 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 91 Resp: 691812
Ion Ratio Lower Upper
91 100
106 28.3 23.8 35.6





#59

m/p-Xylene

Concen: 10.285 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

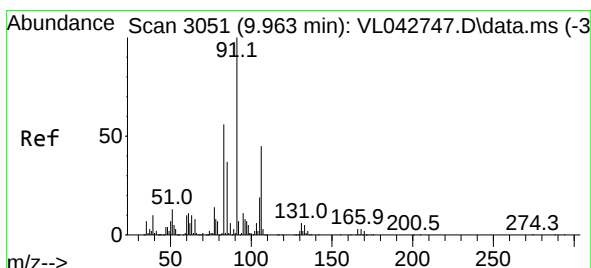
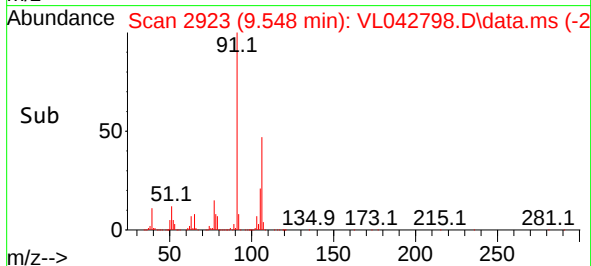
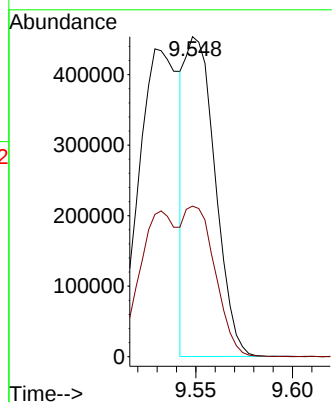
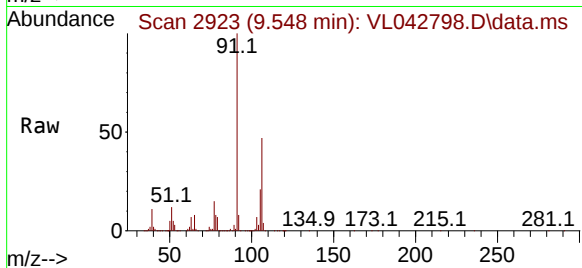
ClientSampleId :

Tgt Ion: 91 Resp: 492902

Ion Ratio Lower Upper

91 100

106 106.6 37.4 56.2#



#60

o-Xylene

Concen: 11.631 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042798.D

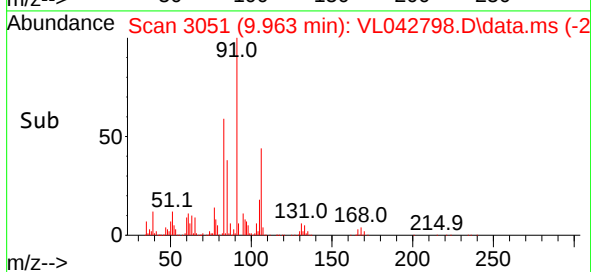
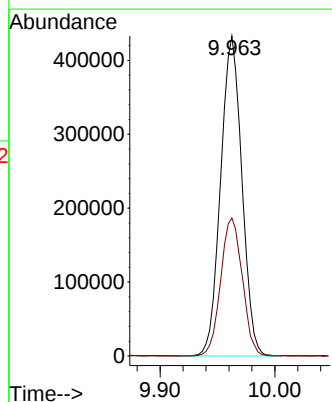
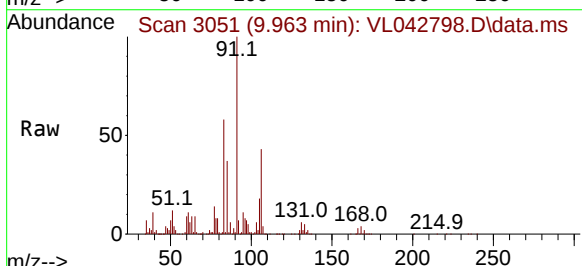
Acq: 04 Aug 2025 10:58

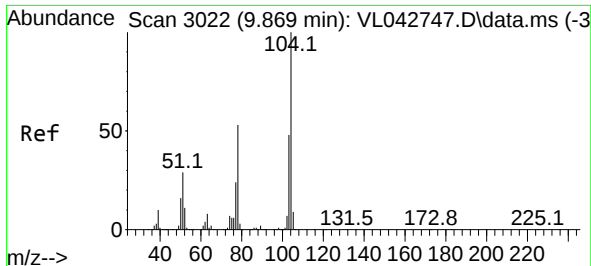
Tgt Ion: 91 Resp: 556987

Ion Ratio Lower Upper

91 100

106 43.8 22.0 66.0

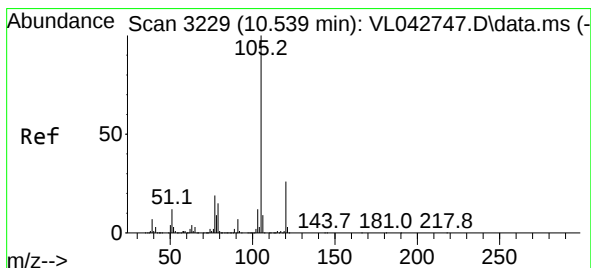
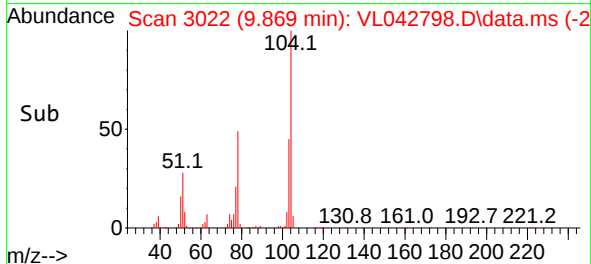
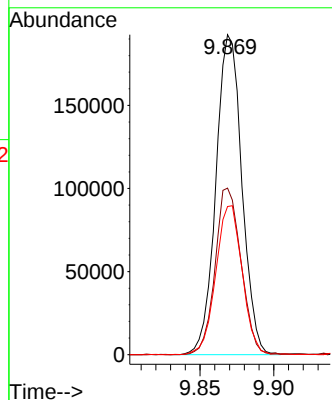
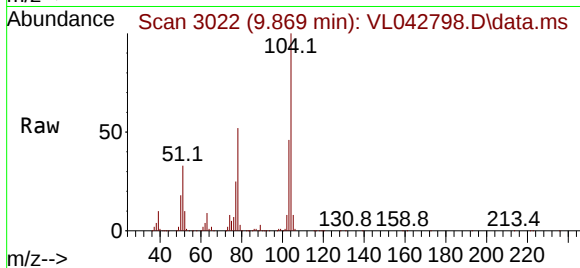




#61
Styrene
Concen: 11.739 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

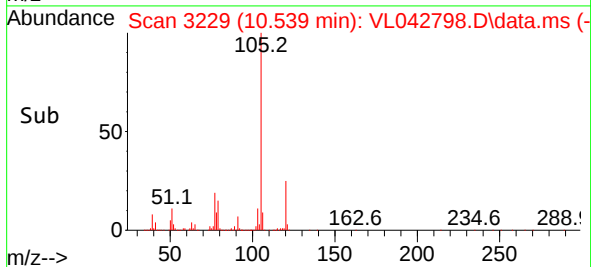
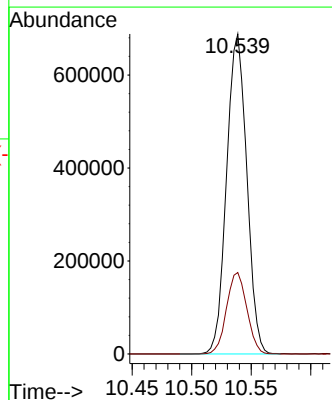
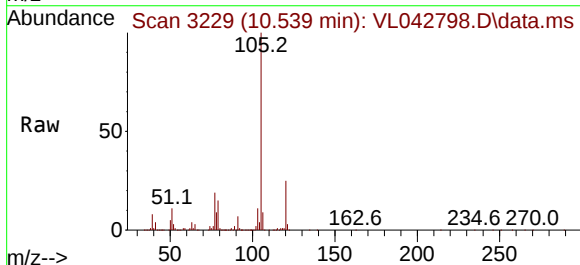
Instrument :
MSVOA_L
ClientSampleId :

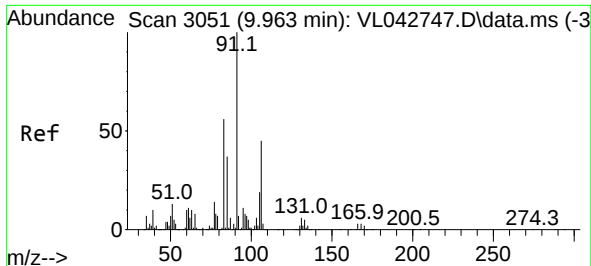
Tgt Ion:104 Resp: 236466
Ion Ratio Lower Upper
104 100
78 52.0 41.5 62.3
103 47.5 37.5 56.3



#62
Isopropylbenzene
Concen: 11.469 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion:105 Resp: 810117
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7

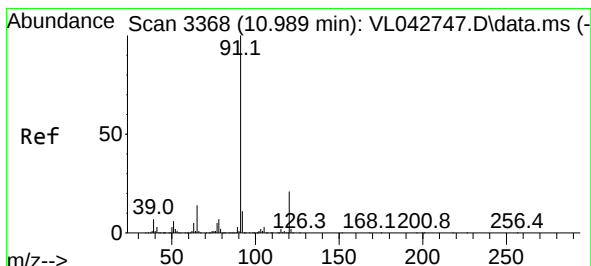
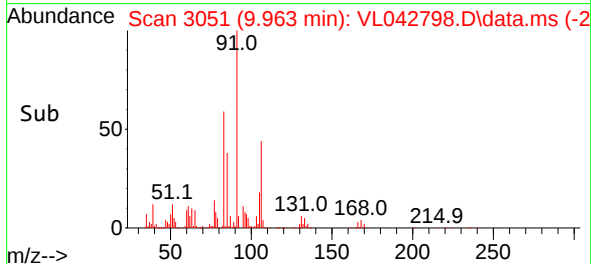
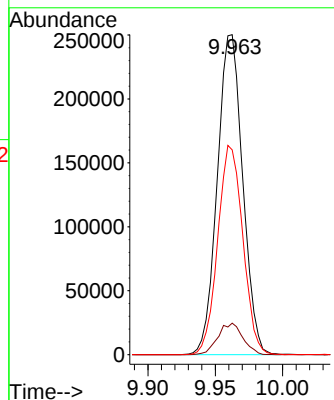
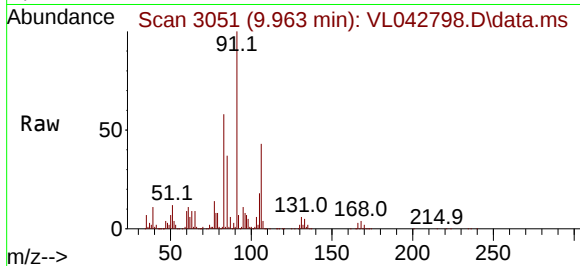




#63
1,1,2,2-Tetrachloroethane
Concen: 10.693 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

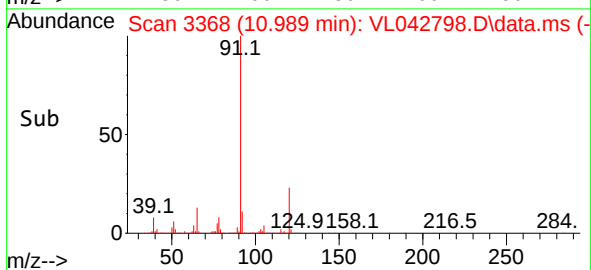
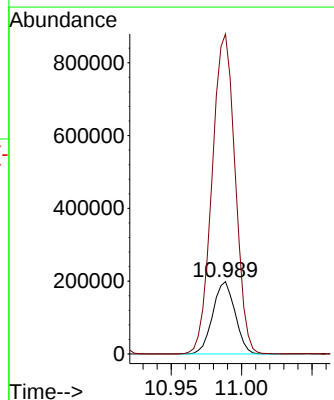
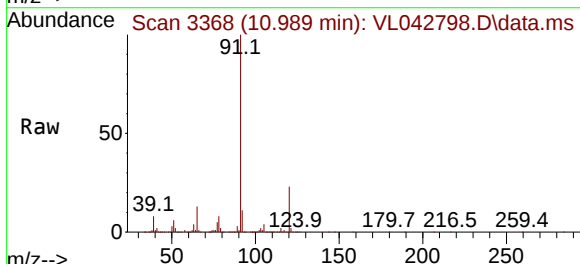
Instrument :
MSVOA_L
ClientSampleId :

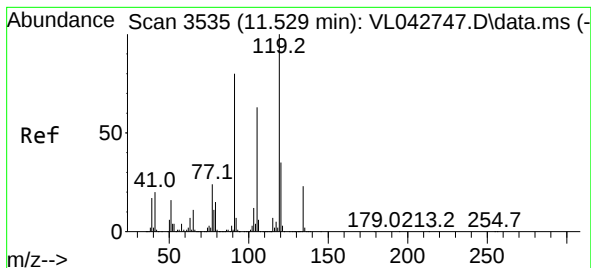
Tgt Ion: 83 Resp: 328751
Ion Ratio Lower Upper
83 100
131 9.7 5.0 15.0
85 64.6 32.6 97.7



#64
n-propylbenzene
Concen: 11.857 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 120 Resp: 218340
Ion Ratio Lower Upper
120 100
91 459.6 372.7 559.1





#65

tert-Butylbenzene

Concen: 11.686 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

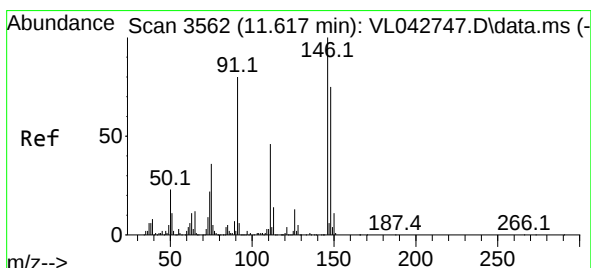
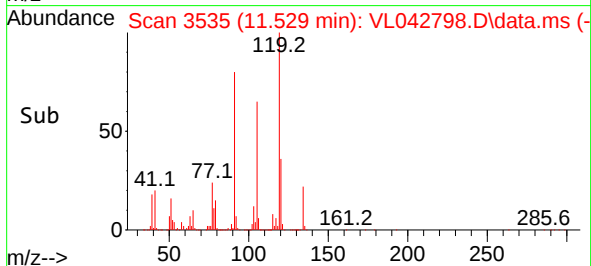
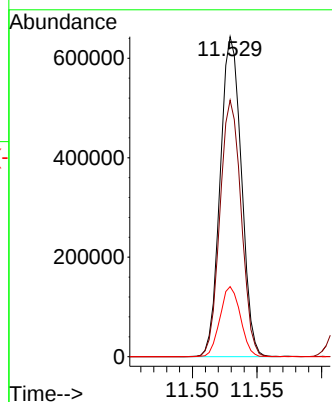
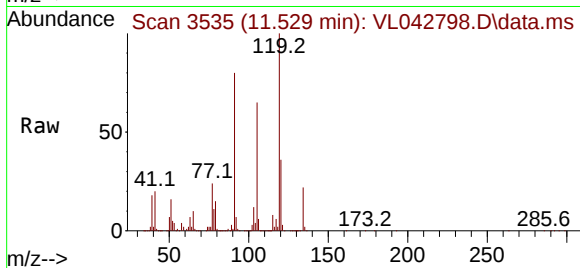
Tgt Ion:119 Resp: 733198

Ion Ratio Lower Upper

119 100

91 80.1 64.0 96.0

134 21.1 17.3 25.9



#66

Benzyl Chloride

Concen: 13.938 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

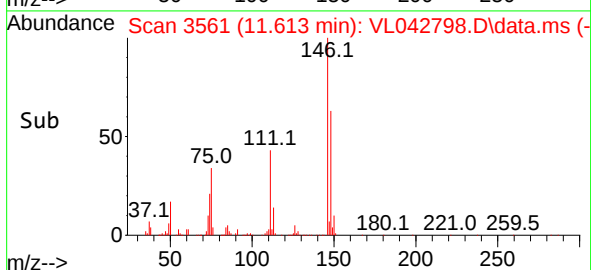
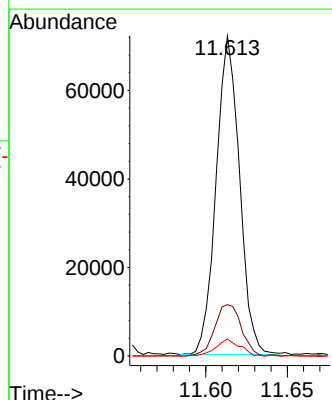
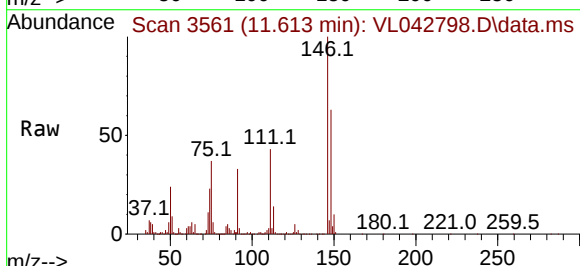
Tgt Ion: 91 Resp: 71791

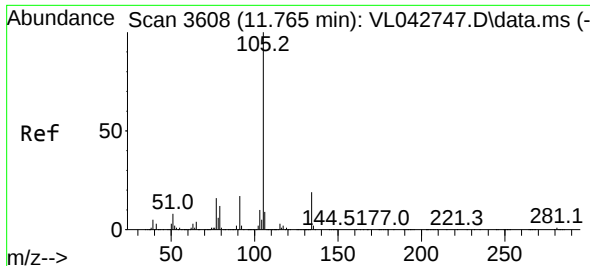
Ion Ratio Lower Upper

91 100

126 18.4 14.4 21.6

128 5.5 5.2 7.8

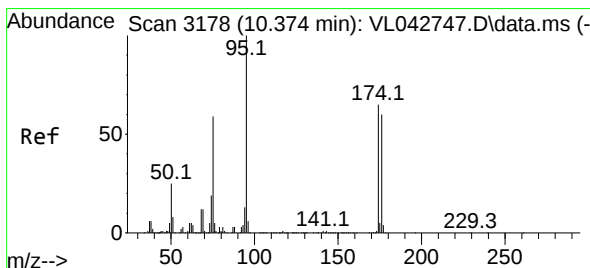
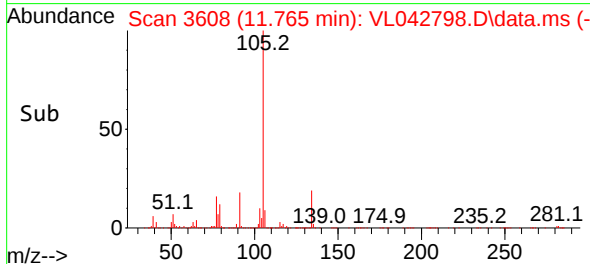
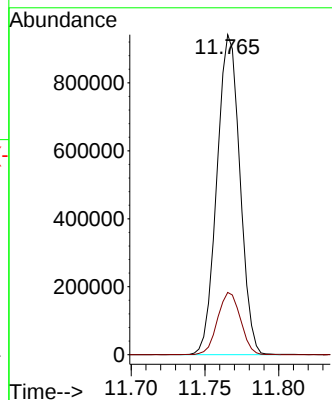
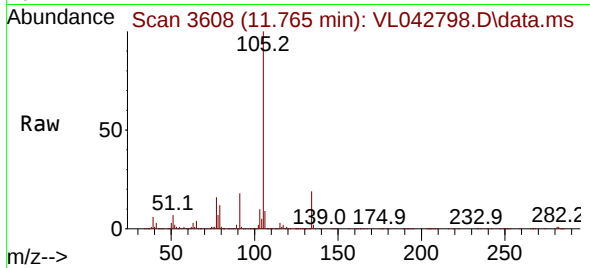




#67
 sec-Butylbenzene
 Concen: 11.457 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

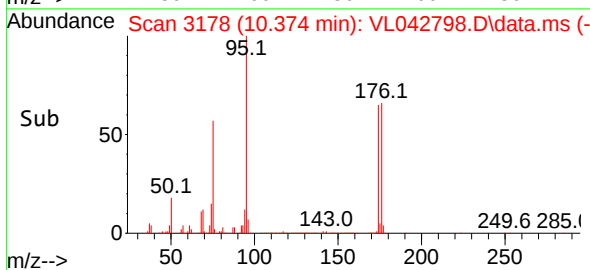
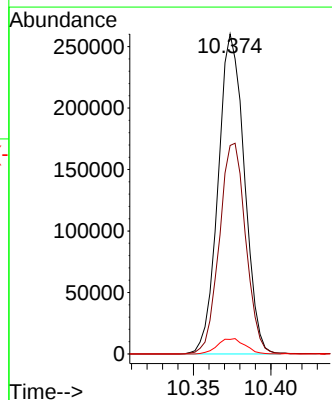
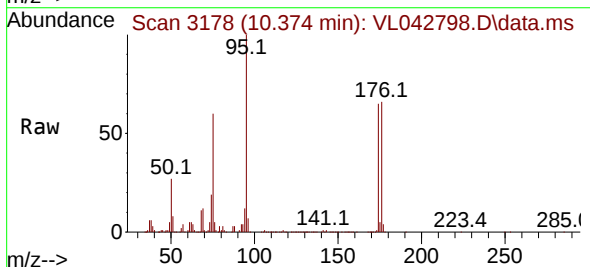
Instrument :
 MSVOA_L
 ClientSampleId :

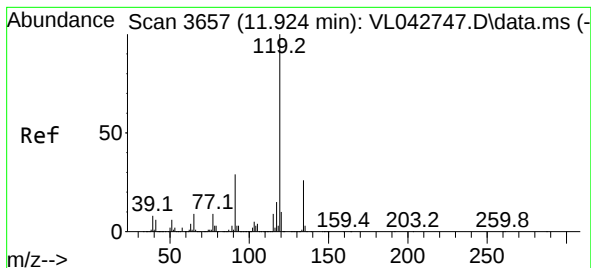
Tgt Ion:105 Resp: 1022370
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.187 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.000 min
 Lab File: VL042798.D
 Acq: 04 Aug 2025 10:58

Tgt Ion: 95 Resp: 306318
 Ion Ratio Lower Upper
 95 100
 174 66.5 53.8 80.6
 175 5.1 4.0 6.0

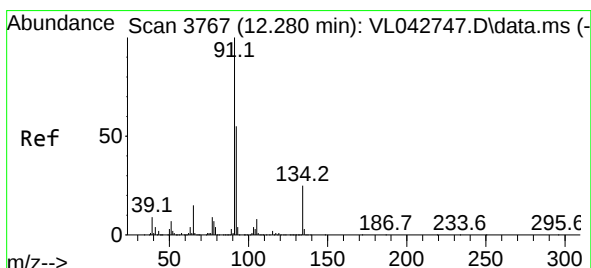
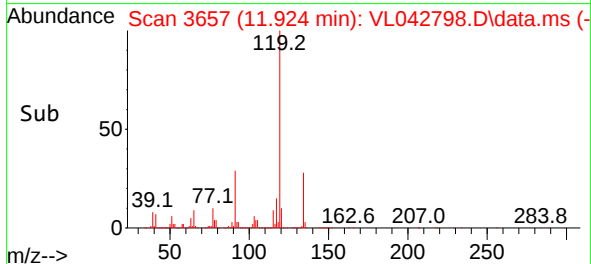
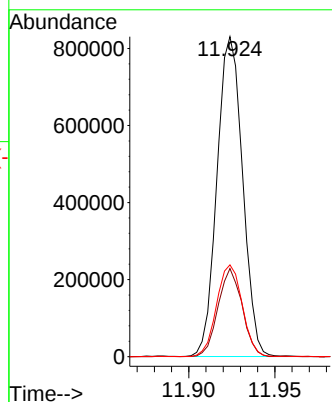
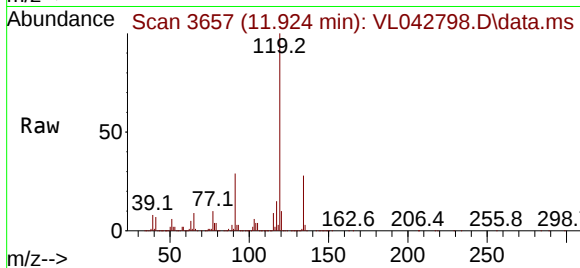




#69
p-Isopropyltoluene
Concen: 11.810 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

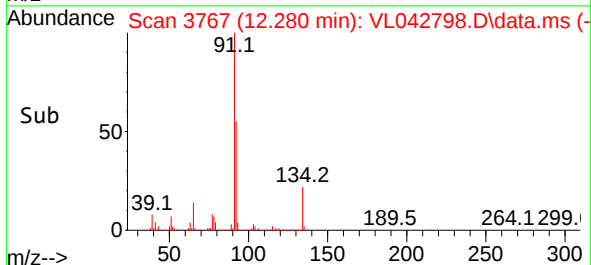
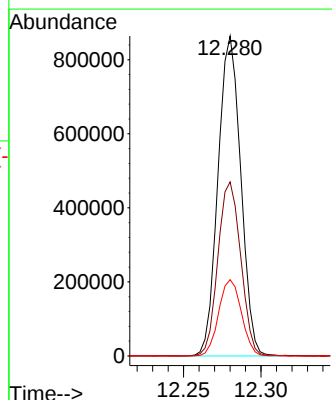
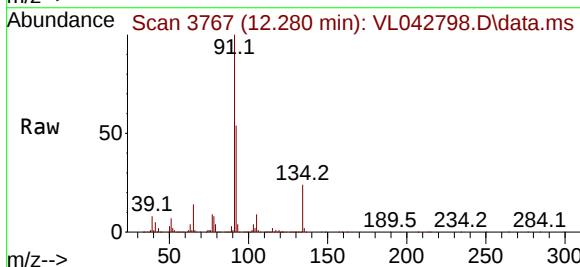
Instrument :
MSVOA_L
ClientSampleId :

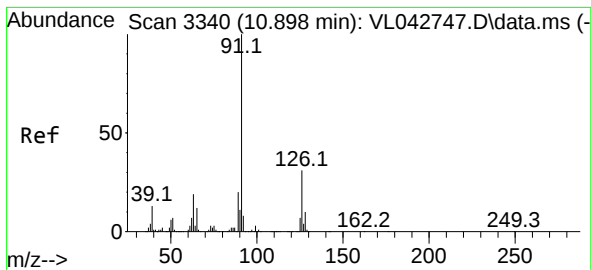
Tgt Ion:119 Resp: 859339
Ion Ratio Lower Upper
119 100
134 26.1 20.6 31.0
91 29.0 23.2 34.8



#70
n-Butylbenzene
Concen: 12.562 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion: 91 Resp: 882919
Ion Ratio Lower Upper
91 100
92 54.4 43.4 65.2
134 23.9 19.6 29.4

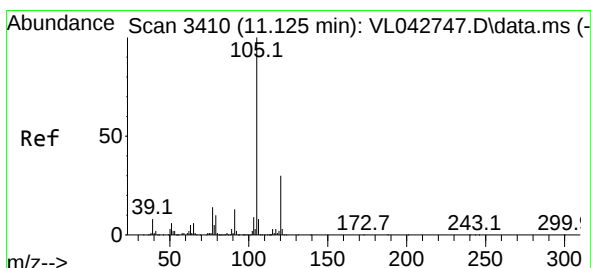
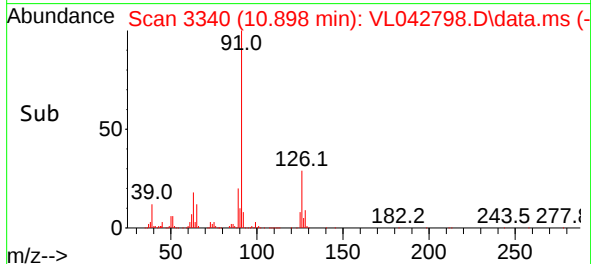
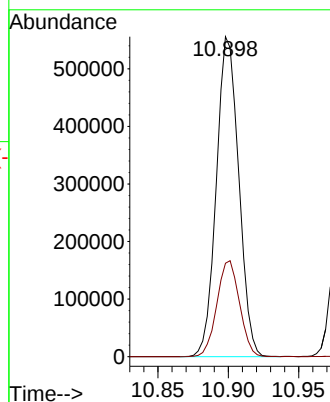
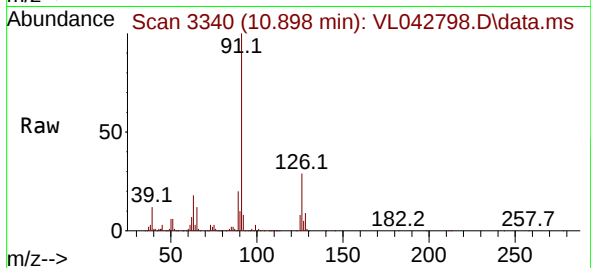




#71
2-Chlorotoluene
Concen: 11.381 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

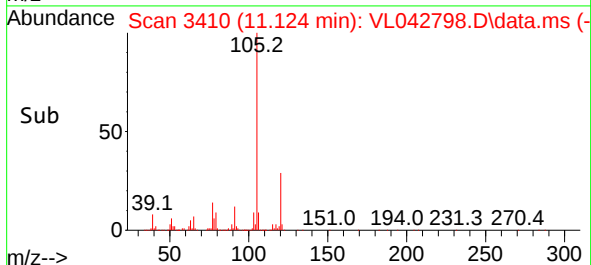
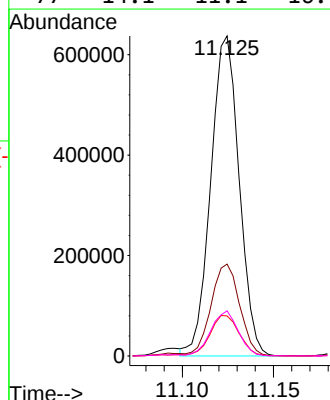
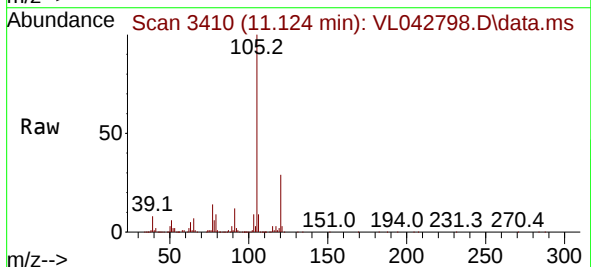
Instrument :
MSVOA_L
ClientSampleId :

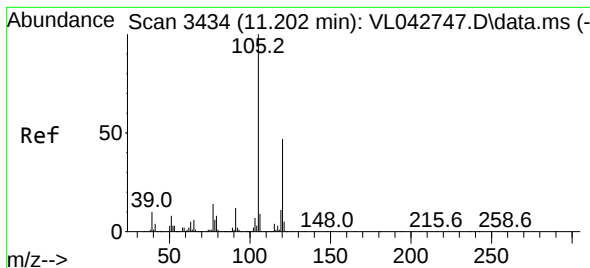
Tgt Ion: 91 Resp: 616427
Ion Ratio Lower Upper
91 100
126 30.3 12.0 48.2



#72
4-Ethyltoluene
Concen: 12.083 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion:105 Resp: 690989
Ion Ratio Lower Upper
105 100
120 29.7 24.4 36.6
91 13.3 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 12.106 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

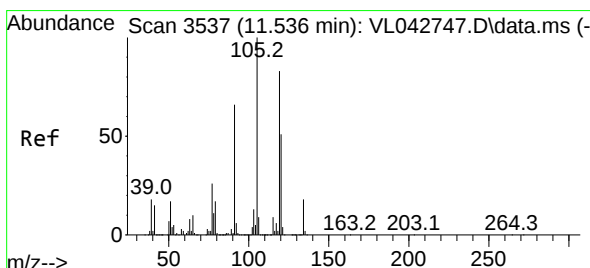
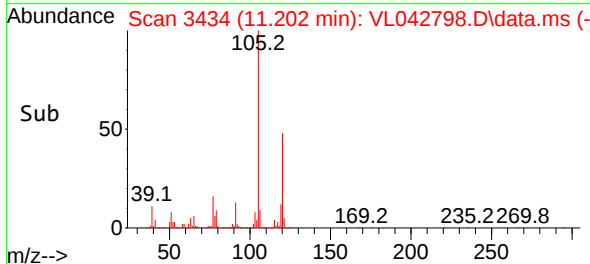
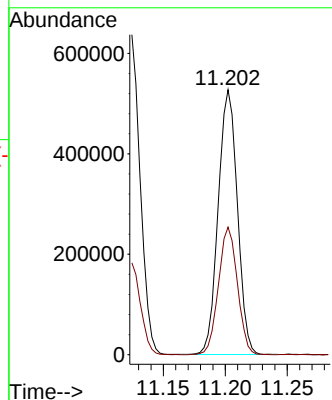
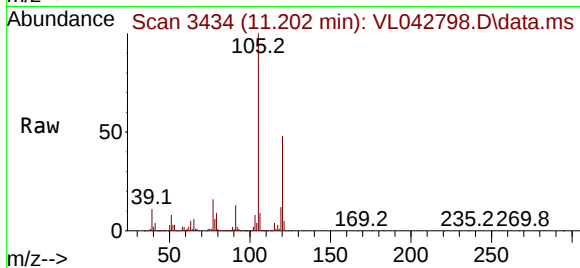
ClientSampleId :

Tgt Ion:105 Resp: 570034

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 12.264 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Tgt Ion:105 Resp: 629983

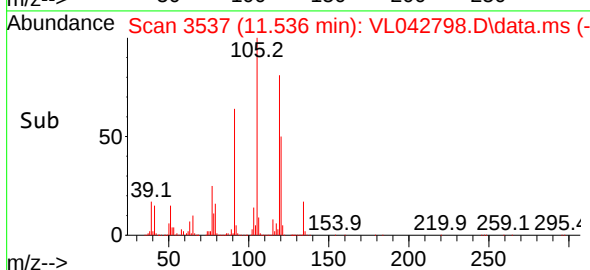
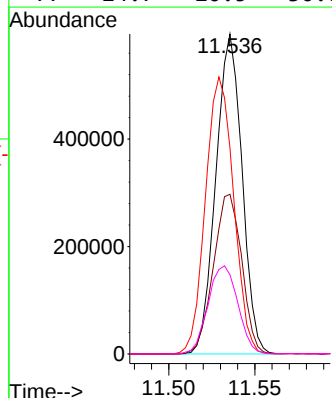
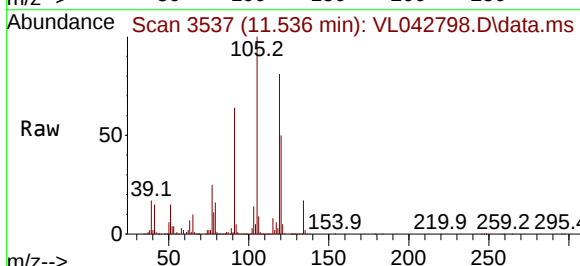
Ion Ratio Lower Upper

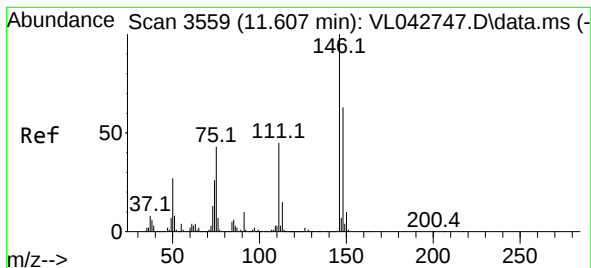
105 100

120 49.9 40.8 61.2

91 64.3 53.0 79.4

77 24.7 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 11.543 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

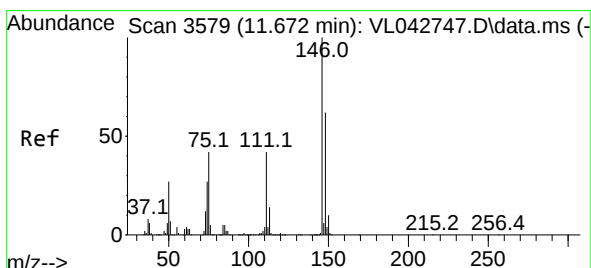
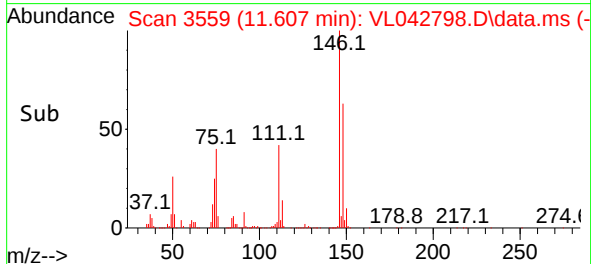
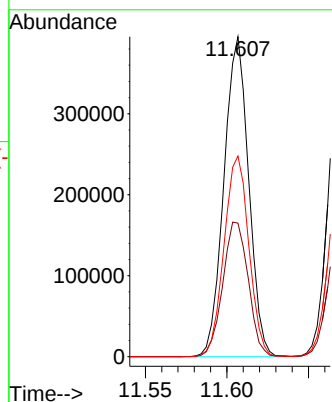
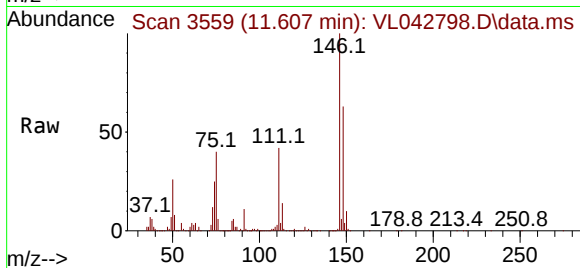
Tgt Ion:146 Resp: 415697

Ion Ratio Lower Upper

146 100

111 43.4 22.7 68.0

148 63.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.578 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

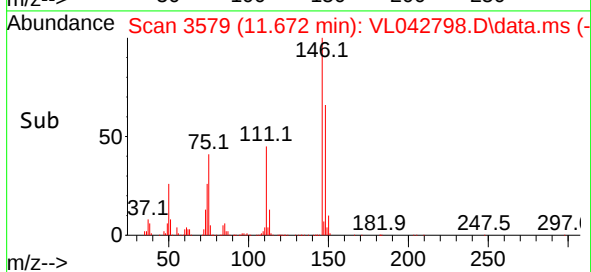
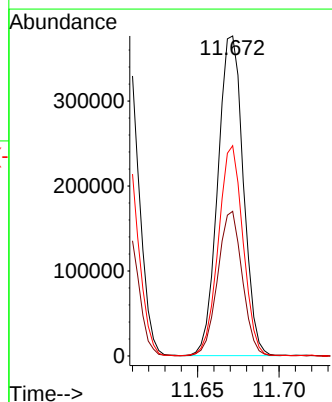
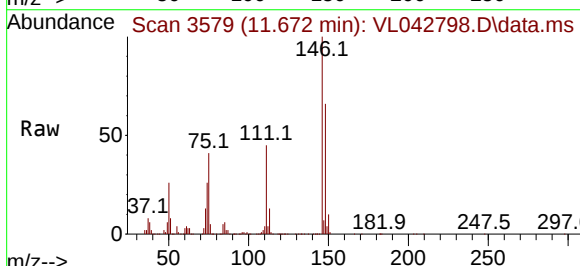
Tgt Ion:146 Resp: 408005

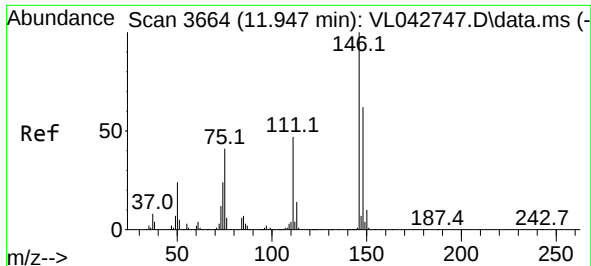
Ion Ratio Lower Upper

146 100

111 44.0 21.4 64.2

148 64.0 32.1 96.3

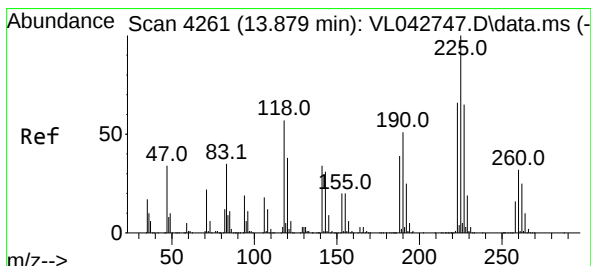
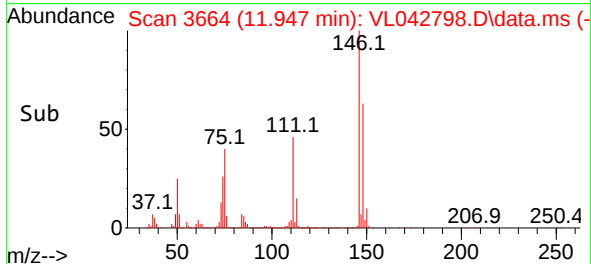
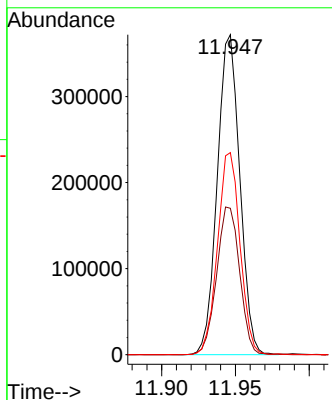
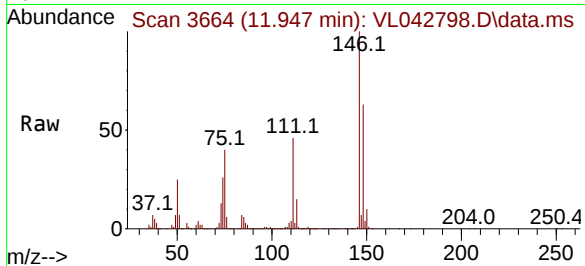




#77
1,2-Dichlorobenzene
Concen: 11.161 ppbv
RT: 11.947 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

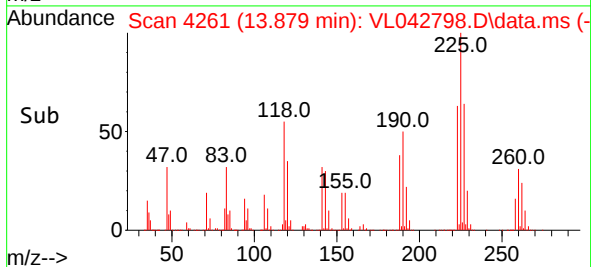
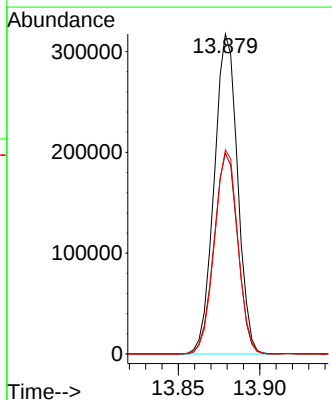
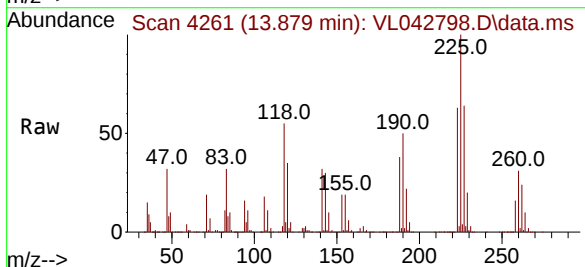
Instrument :
MSVOA_L
ClientSampleId :

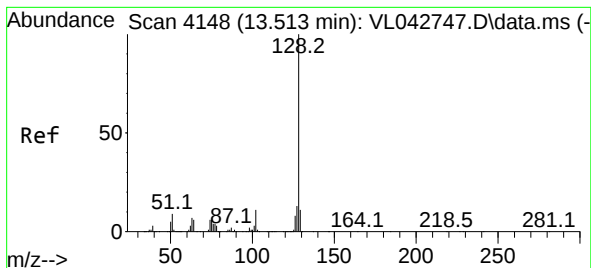
Tgt Ion:146 Resp: 395047
Ion Ratio Lower Upper
146 100
111 47.3 23.7 71.1
148 63.0 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 9.853 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042798.D
Acq: 04 Aug 2025 10:58

Tgt Ion:225 Resp: 315657
Ion Ratio Lower Upper
225 100
223 63.8 50.7 76.1
227 64.1 50.5 75.7





#79

Naphthalene

Concen: 10.821 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

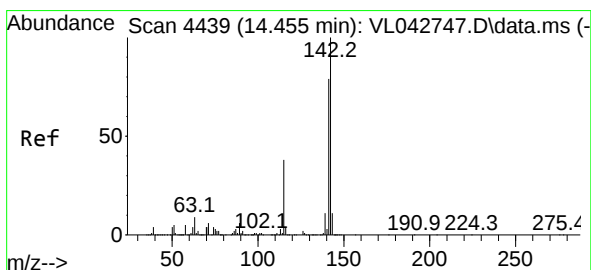
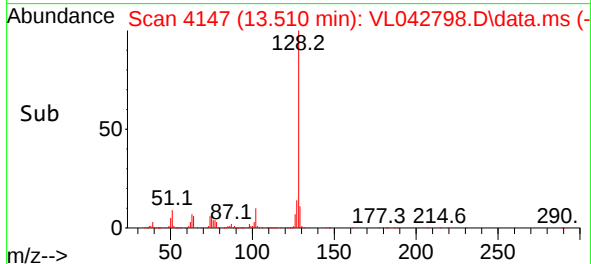
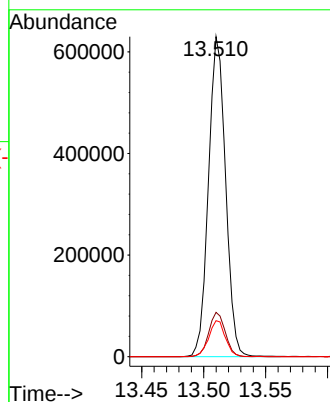
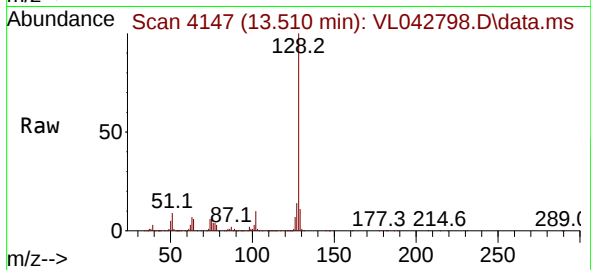
Tgt Ion:128 Resp: 605271

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 11.3 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 8.652 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

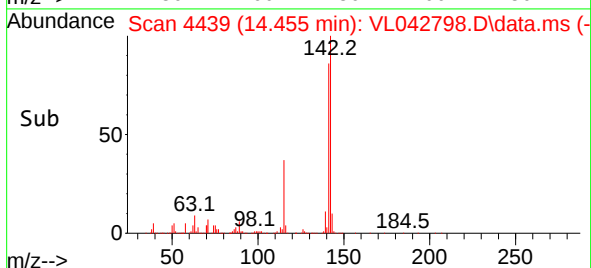
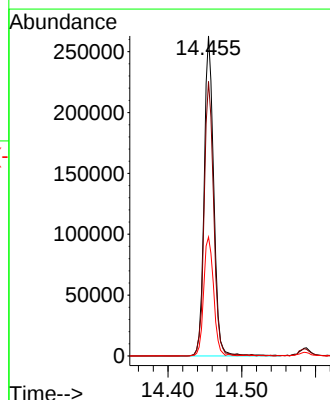
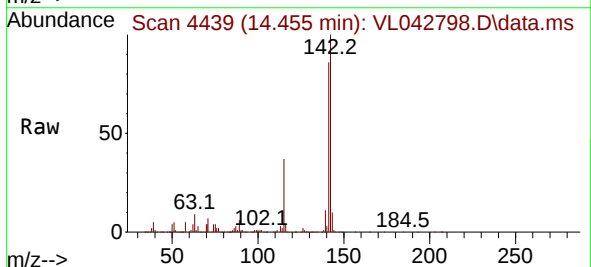
Tgt Ion:142 Resp: 236391

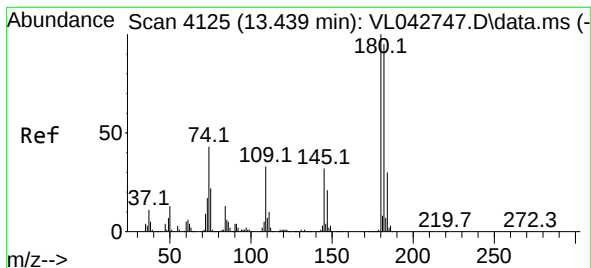
Ion Ratio Lower Upper

142 100

141 86.3 65.8 98.8

115 38.8 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 11.052 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

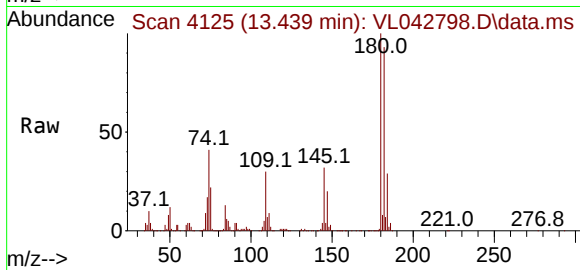
Lab File: VL042798.D

Acq: 04 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 347712

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 29.9 24.8 37.2

