

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042832.D
 Acq On : 11 Aug 2025 08:20
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 02:08:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	136761	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	366012	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	320110	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	272170	10.550	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	170540	8.915	ppbv	100
3) Chlorodifluoromethane	1.476	51	226238	8.835	ppbv	100
4) Chloromethane	1.531	50	69581	8.675	ppbv	100
5) Vinyl Chloride	1.580	62	60325	7.879	ppbv	100
6) Bromomethane	1.667	94	25004	8.675	ppbv	100
7) Chloroethane	1.703	64	25374	8.772	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	139836	8.785	ppbv	100
9) Propene	1.483	41	73894	8.380	ppbv	100
10) Heptane	4.975	43	232279	10.898	ppbv	100
11) Trichlorofluoromethane	1.878	101	173744	9.080	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	136101	8.992	ppbv	100
13) Ethanol	1.719	45	6346	10.148	ppbv	100
14) Bromoethene	1.780	108	47587	8.609	ppbv	100
15) Acetone	1.835	43	142273	7.391	ppbv	100
16) 1,3-Butadiene	1.609	39	73381	8.698	ppbv	100
17) tert-Butyl alcohol	2.039	59	151373	9.099	ppbv	100
18) 1,1-Dichloroethene	2.033	96	58107	8.984	ppbv	100
19) Isopropyl Alcohol	1.884	45	89071	8.543	ppbv	100
20) Methylene Chloride	2.062	84	51465	9.086	ppbv	100
21) Allyl Chloride	2.094	41	110992	9.100	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	66457	9.098	ppbv	100
23) Vinyl Acetate	2.460	43	240123	9.723	ppbv	100
24) 1,1-Dichloroethane	2.408	63	136366	9.037	ppbv	100
25) Ethyl Acetate	2.832	43	408603	9.427	ppbv	100
26) Hexane	2.826	57	176586	9.244	ppbv	100
27) Carbon Disulfide	2.149	76	161396	9.308	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	74872	8.471	ppbv	100
29) Chloroform	2.849	83	280221	9.018	ppbv	100
30) Cyclohexane	3.855	84	141499	10.569	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	167901	9.268	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	270590	9.218	ppbv	100
34) 2-Butanone	2.554	43	262989	9.646	ppbv	100
35) Carbon Tetrachloride	3.761	117	289195	9.129	ppbv	100
36) Benzene	3.654	78	342428	9.754	ppbv	100
37) 1,2-Dichloroethane	3.214	62	211912	9.296	ppbv	100
38) Trichloroethene	4.545	130	158557	8.984	ppbv	100
39) 1,2-Dichloropropane	4.308	63	127123	9.225	ppbv	100
40) 1,4-Dioxane	4.577	88	53478	10.141	ppbv #	94
41) Tetrahydrofuran	3.052	42	138464	10.609	ppbv	100
42) Bromodichloromethane	4.483	83	292902	9.543	ppbv	100
43) Methyl Methacrylate	4.878	69	126633	11.048	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	605320	10.276	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	134224	10.595	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

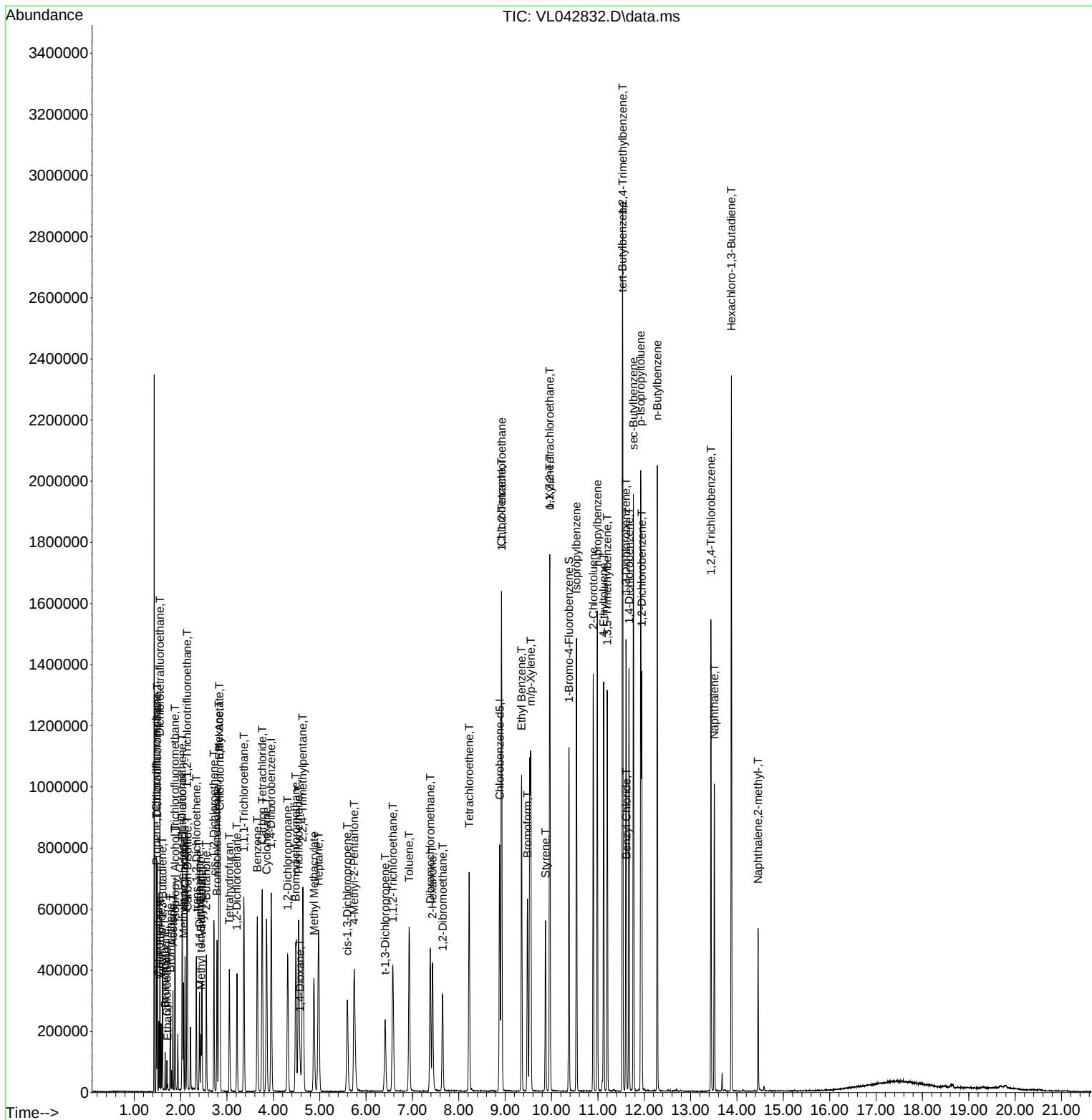
Instrument :
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 ClientSampleId :

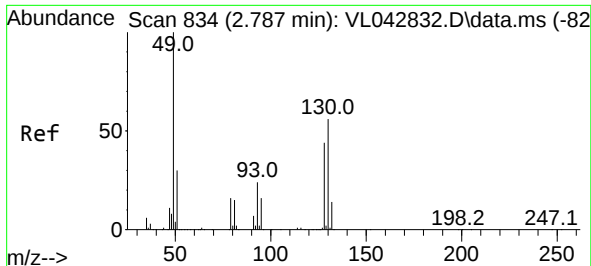
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	178486	10.538	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	78877	5.282	ppbv	100
48) Dibromochloromethane	7.386	129	234276	9.651	ppbv	100
49) Bromoform	9.484	173	215372	10.117	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	352637	11.195	ppbv	100
51) 2-Hexanone	7.435	43	283234	12.133	ppbv	100
52) Tetrachloroethene	8.225	164	126416	9.627	ppbv	100
53) Toluene	6.930	91	375302	11.289	ppbv	100
54) 1,2-Dibromoethane	7.652	107	196849	9.812	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	182941	9.300	ppbv	100
57) Chlorobenzene	8.920	112	321611	9.440	ppbv	100
58) Ethyl Benzene	9.354	91	541871	11.648	ppbv	100
59) m/p-Xylene	9.552	91	483693	12.059	ppbv #	100
60) o-Xylene	9.963	91	455694	11.577	ppbv	100
61) Styrene	9.872	104	180839	9.132	ppbv	100
62) Isopropylbenzene	10.539	105	658212	11.037	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	266740	9.093	ppbv	100
64) n-propylbenzene	10.989	120	172858	11.183	ppbv	100
65) tert-Butylbenzene	11.529	119	590302	11.183	ppbv	100
66) Benzyl Chloride	11.617	91	61914	10.956	ppbv	100
67) sec-Butylbenzene	11.765	105	829436	10.646	ppbv	100
69) p-Isopropyltoluene	11.924	119	703675	11.368	ppbv	100
70) n-Butylbenzene	12.280	91	712027	11.537	ppbv	100
71) 2-Chlorotoluene	10.901	91	492965	11.264	ppbv	100
72) 4-Ethyltoluene	11.125	105	556424	11.794	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	465655	11.460	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	518513	10.873	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	330413	9.641	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	333779	10.412	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	322614	9.254	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	242759	8.142	ppbv	100
79) Naphthalene	13.513	128	450831	9.896	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	133783	12.871	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	247809	10.912	ppbv	100

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

Quant Time: Aug 12 02:08:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
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QLast Update : Tue Aug 12 01:58:08 2025
Response via : Initial Calibration

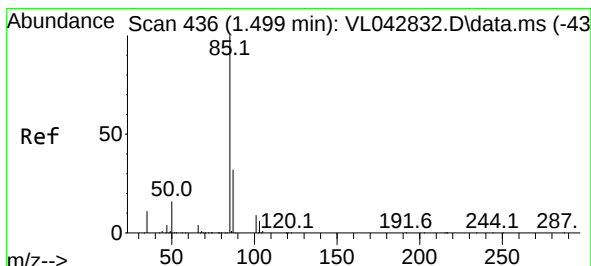
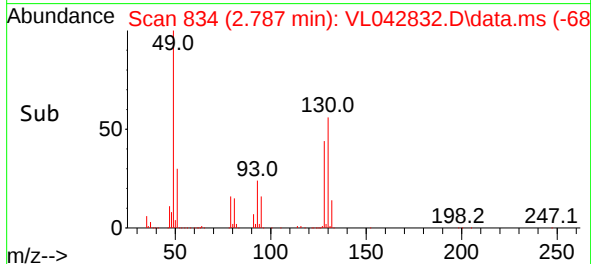
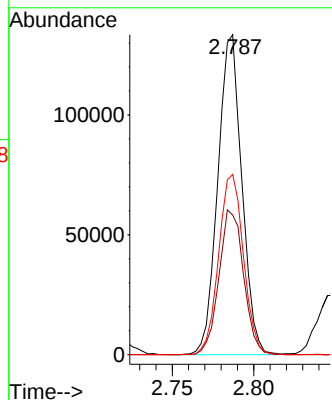
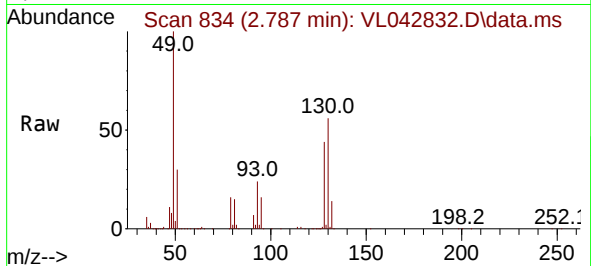




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

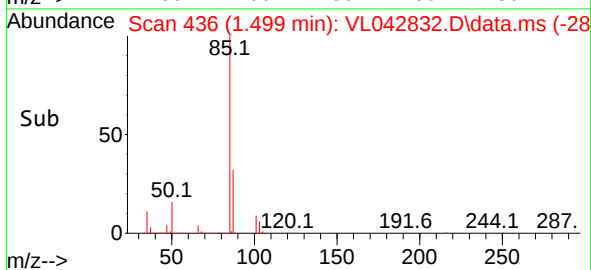
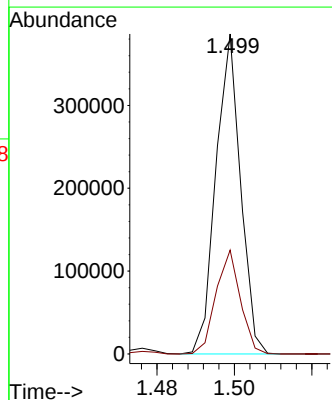
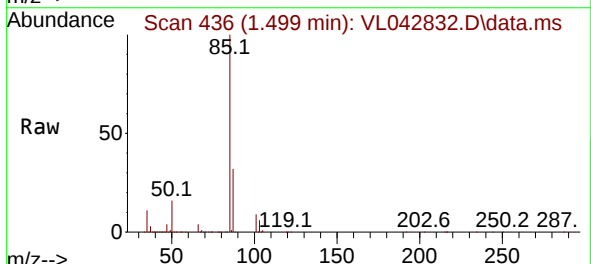
Instrument :
MSVOA_L
ClientSampleId :

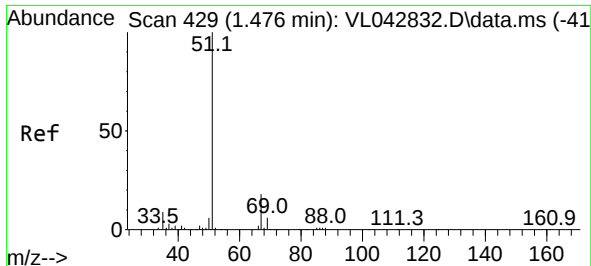
Tgt Ion: 49 Resp: 136761
Ion Ratio Lower Upper
49 100
128 46.4 23.2 69.6
130 58.2 29.0 87.1



#2
Dichlorodifluoromethane
Concen: 8.915 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 85 Resp: 170540
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9

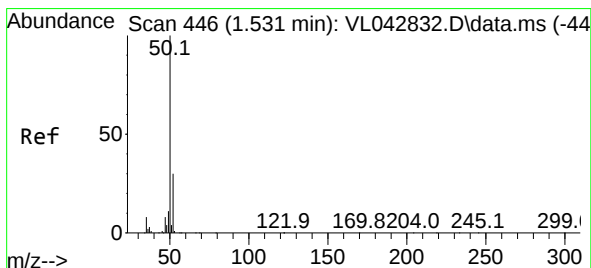
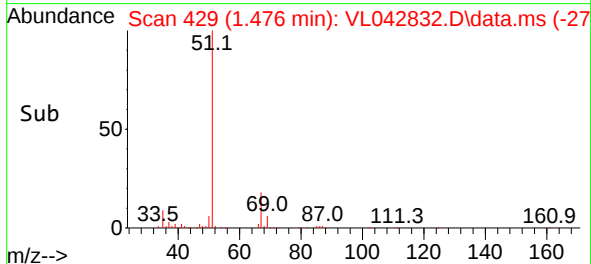
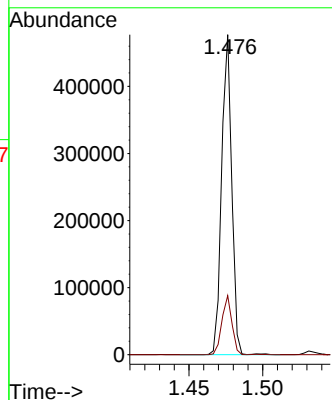
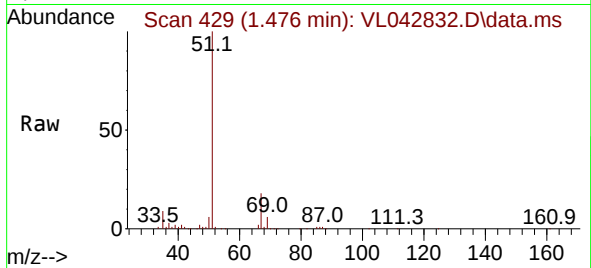




#3
Chlorodifluoromethane
Concen: 8.835 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

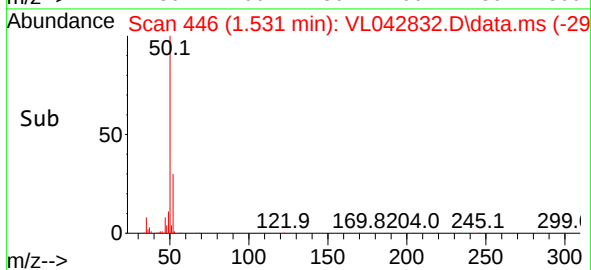
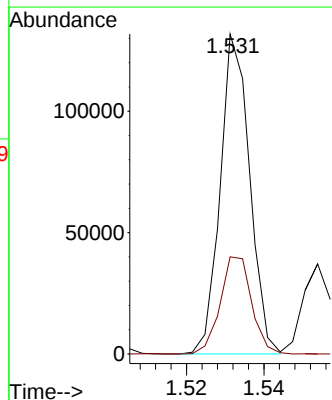
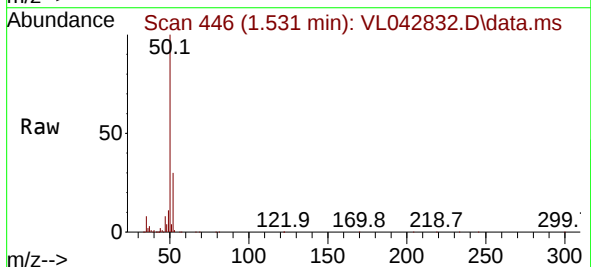
Instrument :
MSVOA_L
ClientSampleId :

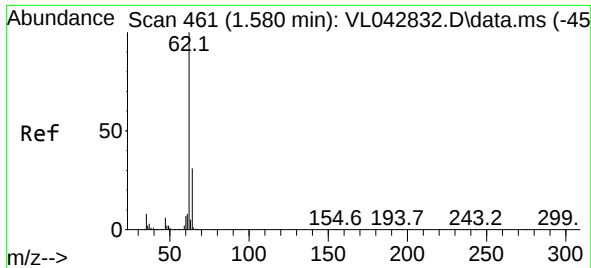
Tgt Ion: 51 Resp: 226238
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1



#4
Chloromethane
Concen: 8.675 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 50 Resp: 69581
Ion Ratio Lower Upper
50 100
52 30.4 24.3 36.5

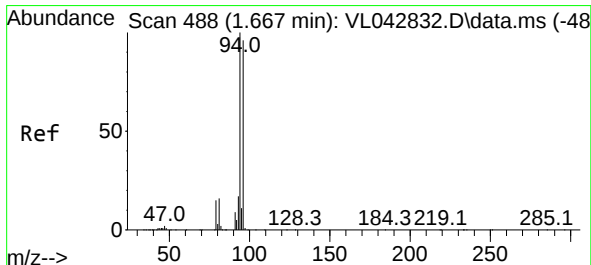
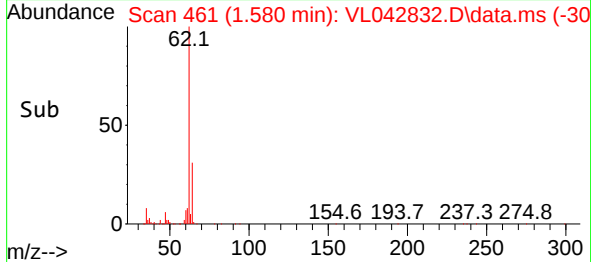
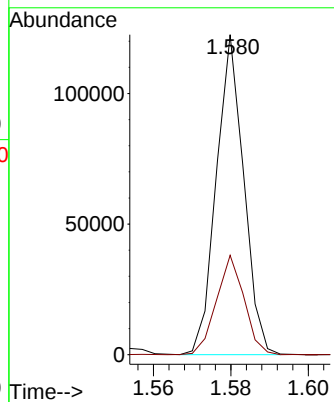
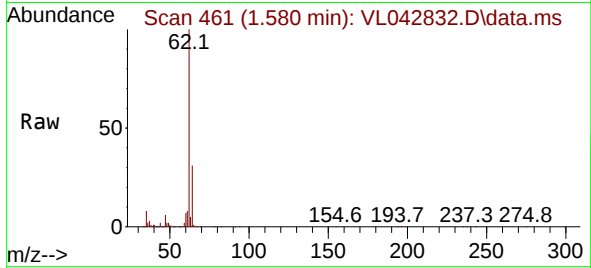




#5
 Vinyl Chloride
 Concen: 7.879 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

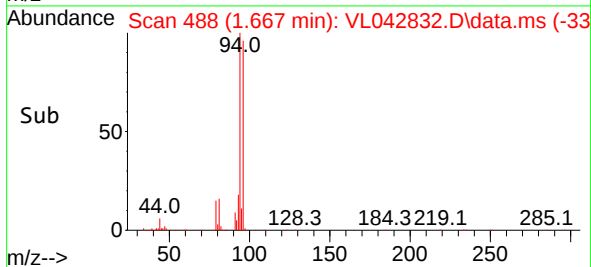
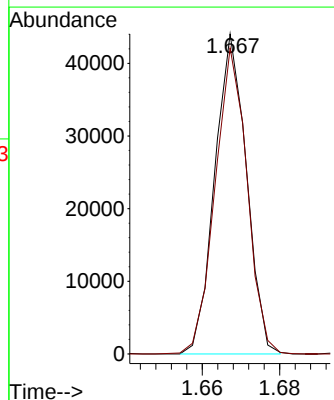
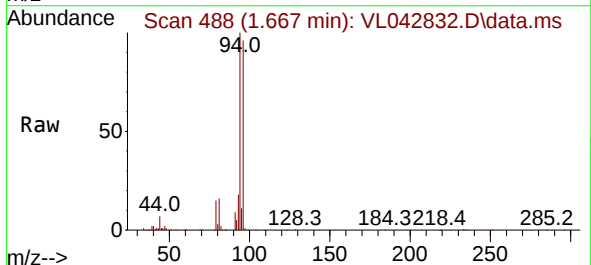
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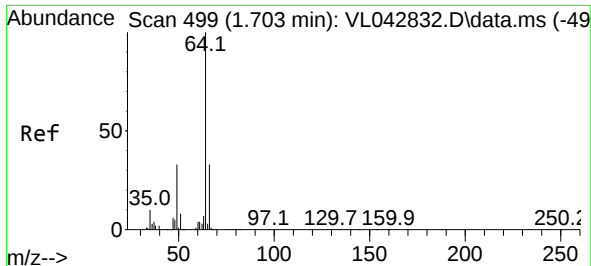
Tgt Ion: 62 Resp: 60325
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.9 37.3



#6
 Bromomethane
 Concen: 8.675 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion: 94 Resp: 25004
 Ion Ratio Lower Upper
 94 100
 96 95.3 76.2 114.4

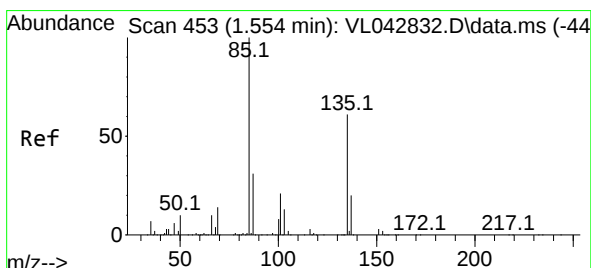
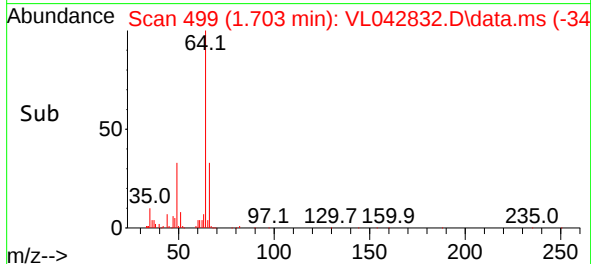
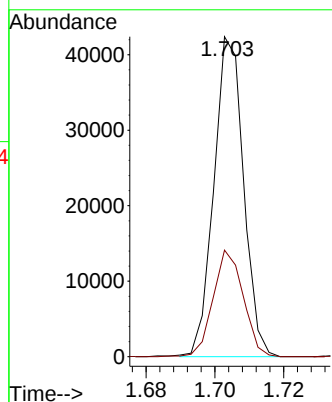
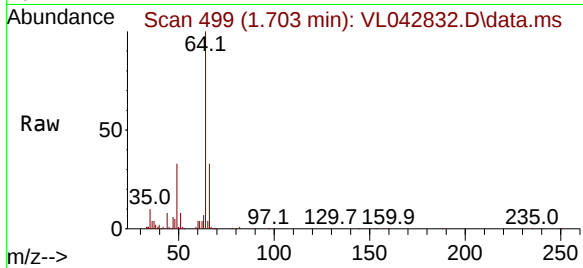




#7
Chloroethane
Concen: 8.772 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

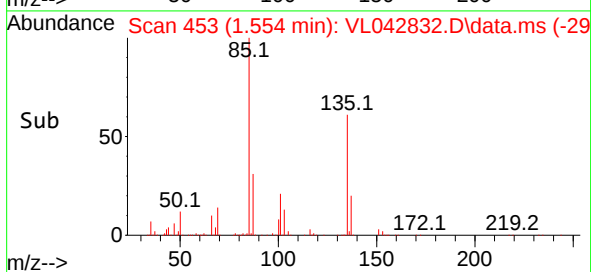
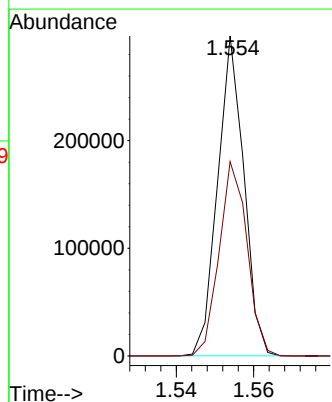
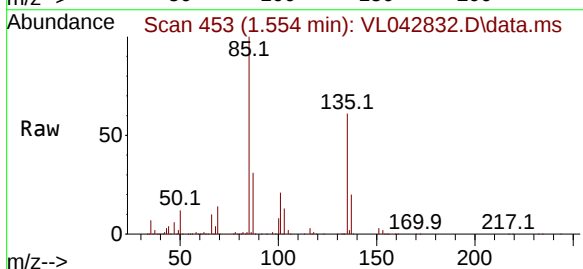
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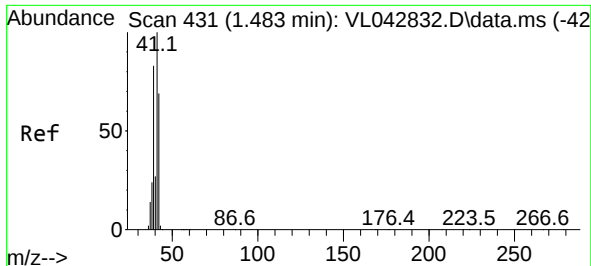
Tgt Ion: 64 Resp: 25374
Ion Ratio Lower Upper
64 100
66 33.3 26.6 40.0



#8
Dichlorotetrafluoroethane
Concen: 8.785 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 85 Resp: 139836
Ion Ratio Lower Upper
85 100
135 64.8 51.8 77.8





#9

Propene

Concen: 8.380 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

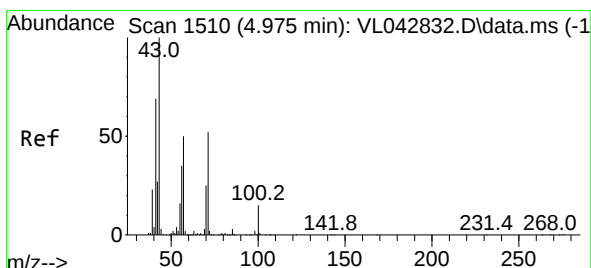
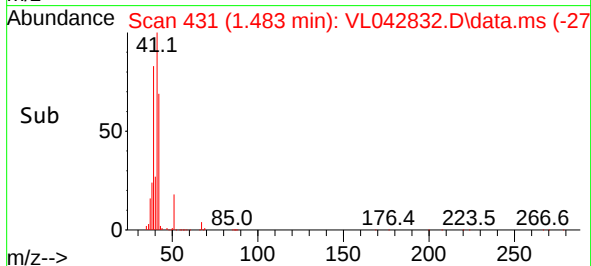
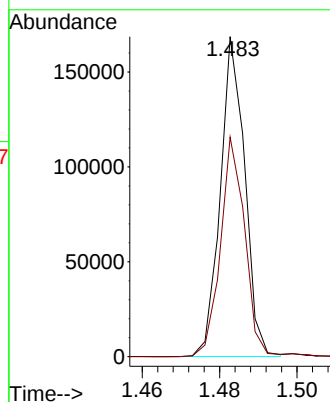
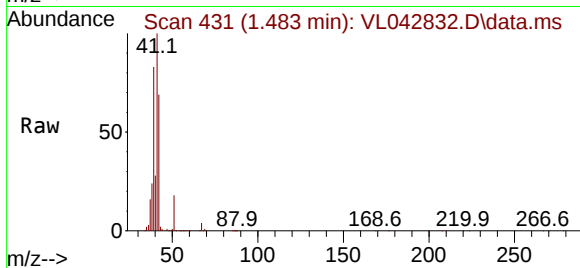
ClientSampleId :

Tgt Ion: 41 Resp: 73894

Ion Ratio Lower Upper

41 100

42 69.2 55.4 83.0



#10

Heptane

Concen: 10.898 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VL042832.D

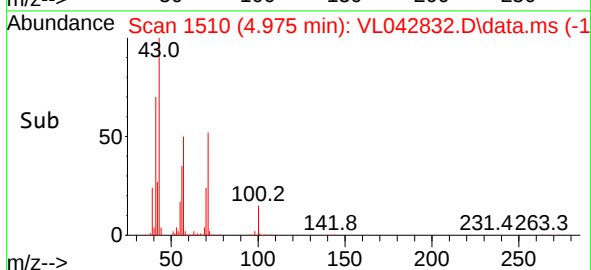
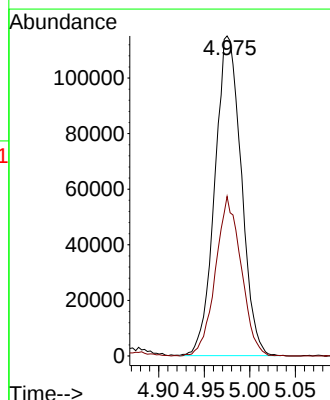
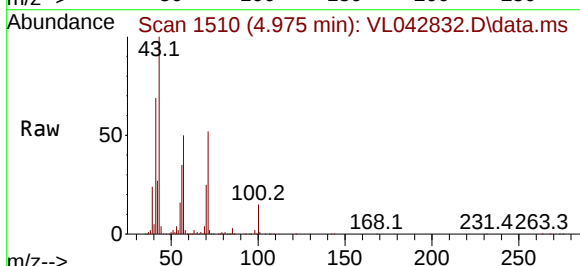
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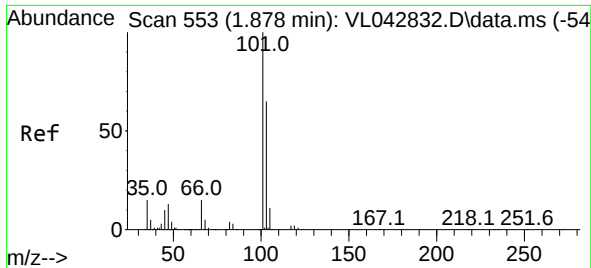
Tgt Ion: 43 Resp: 232279

Ion Ratio Lower Upper

43 100

57 48.3 38.7 58.1

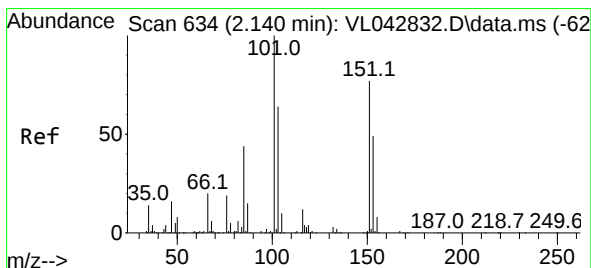
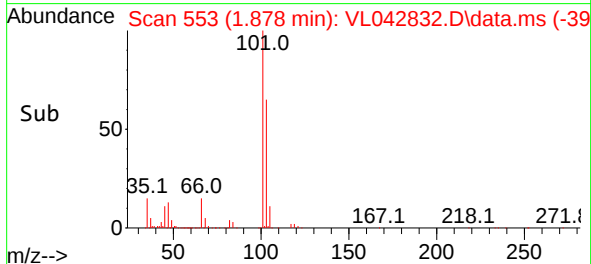
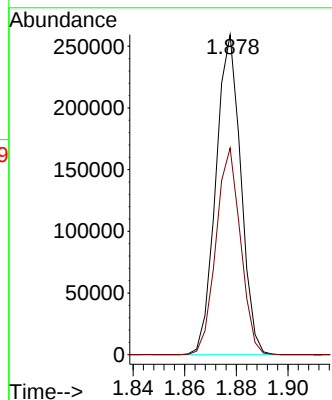
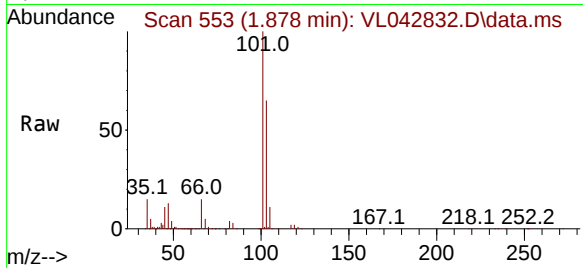




#11
 Trichlorofluoromethane
 Concen: 9.080 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

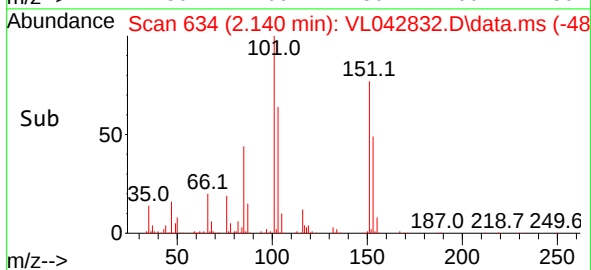
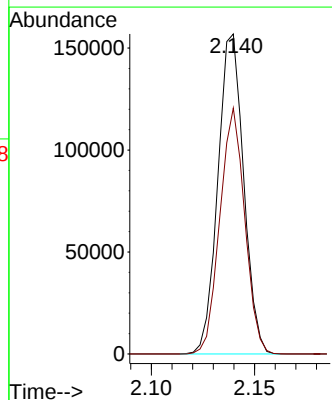
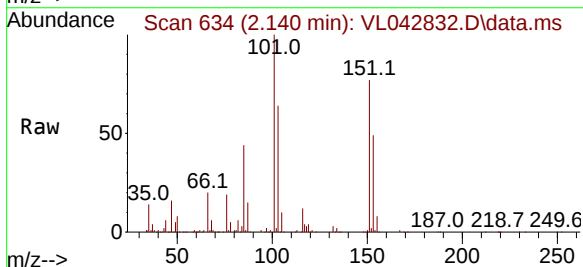
Instrument :
 MSVOA_L
 ClientSampleId :

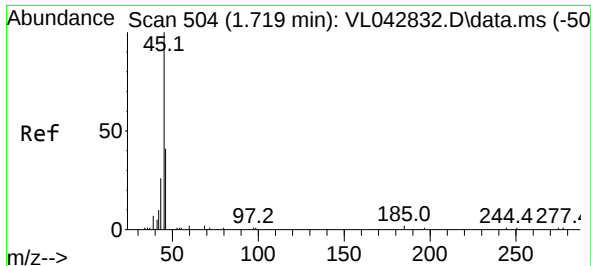
Tgt Ion:101 Resp: 173744
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.992 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion:101 Resp: 136101
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.3 88.9

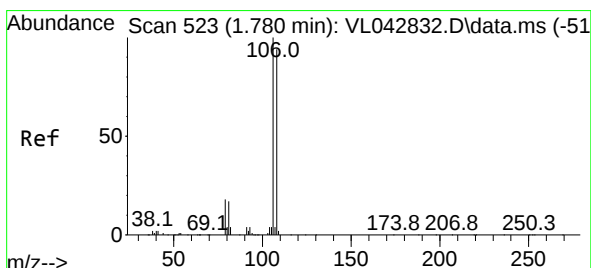
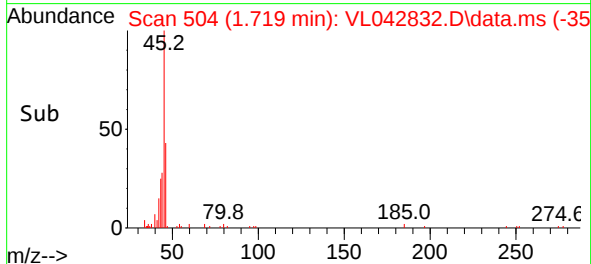
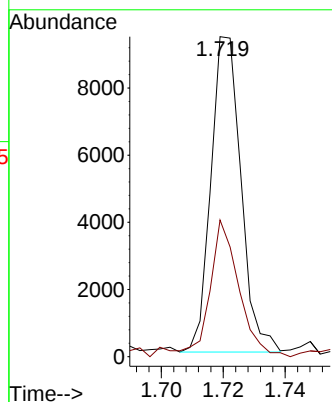
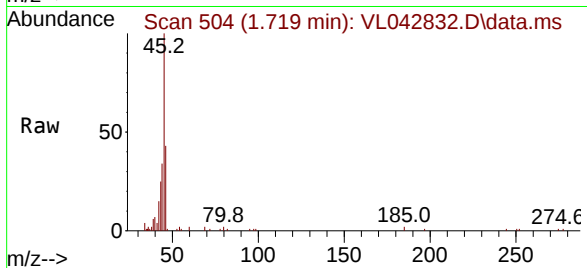




#13
Ethanol
Concen: 10.148 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

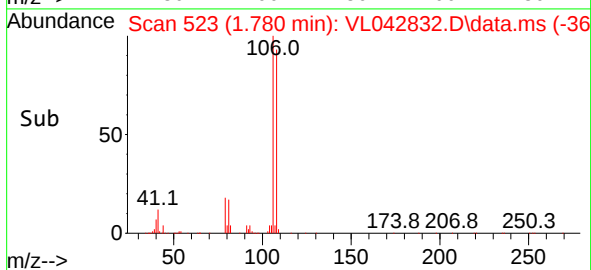
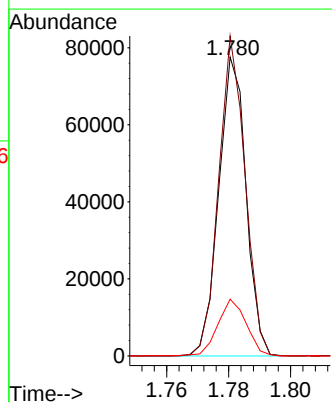
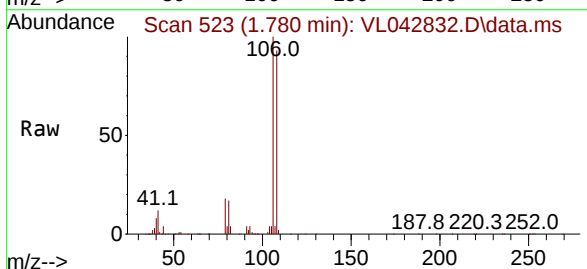
Instrument :
MSVOA_L
ClientSampleId :

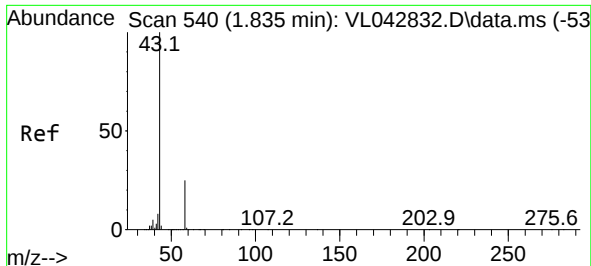
Tgt Ion: 45 Resp: 6346
Ion Ratio Lower Upper
45 100
46 45.3 18.1 72.5



#14
Bromoethene
Concen: 8.609 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 108 Resp: 47587
Ion Ratio Lower Upper
108 100
106 103.2 82.6 123.8
79 19.9 15.9 23.9

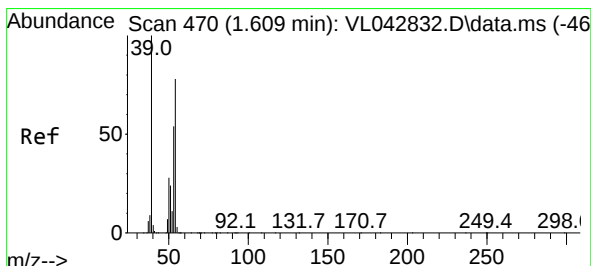
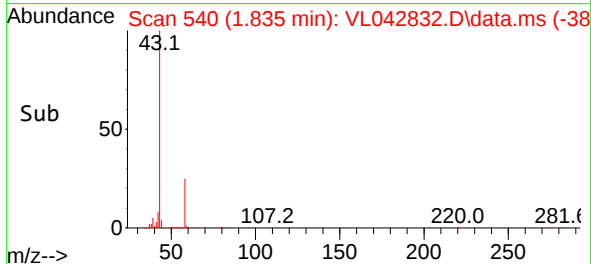
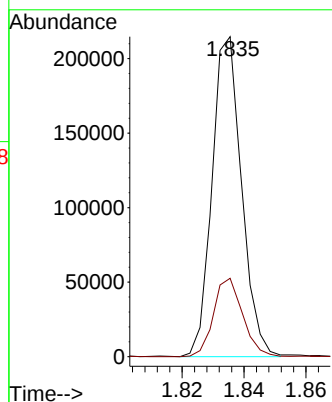
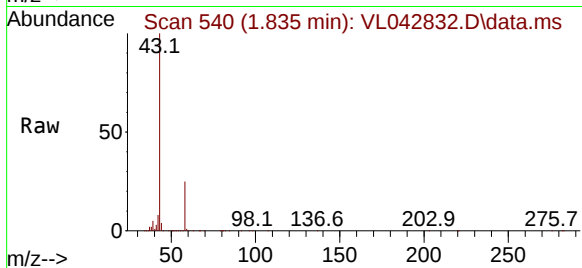




#15
Acetone
Concen: 7.391 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

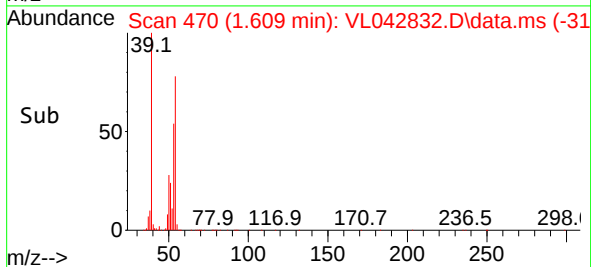
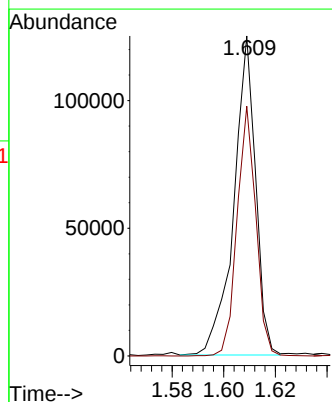
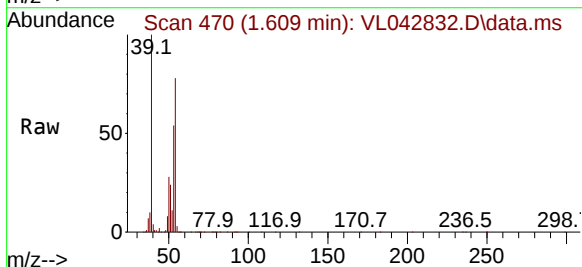
Instrument :
MSVOA_L
ClientSampleId :

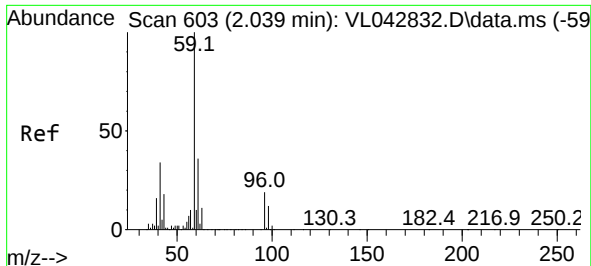
Tgt Ion: 43 Resp: 142273
Ion Ratio Lower Upper
43 100
58 24.4 19.5 29.3



#16
1,3-Butadiene
Concen: 8.698 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 39 Resp: 73381
Ion Ratio Lower Upper
39 100
54 67.6 54.1 81.1





#17

tert-Butyl alcohol

Concen: 9.099 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

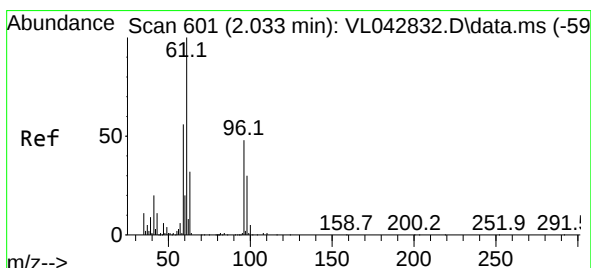
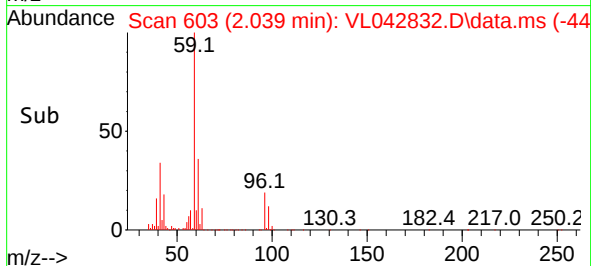
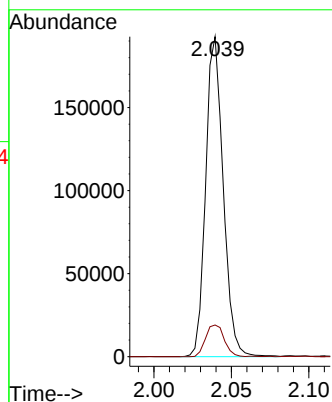
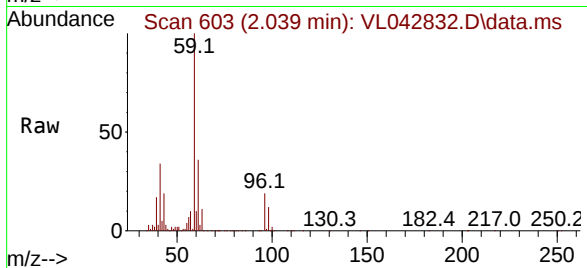
ClientSampleId :

Tgt Ion: 59 Resp: 151373

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.984 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

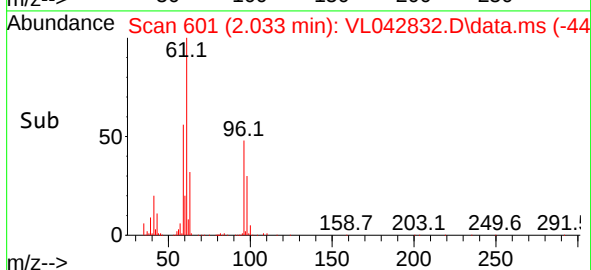
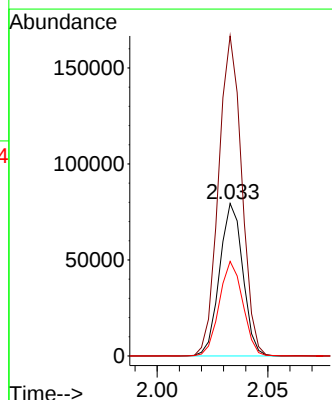
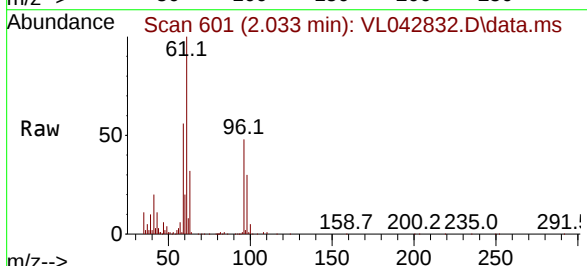
Tgt Ion: 96 Resp: 58107

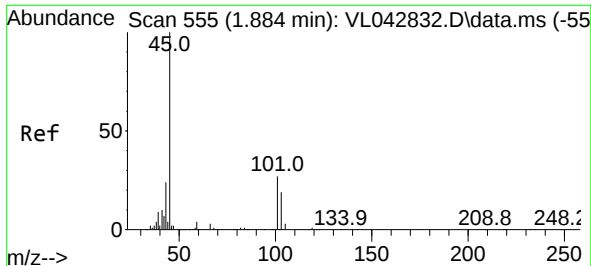
Ion Ratio Lower Upper

96 100

61 209.9 167.9 251.9

98 62.0 49.6 74.4

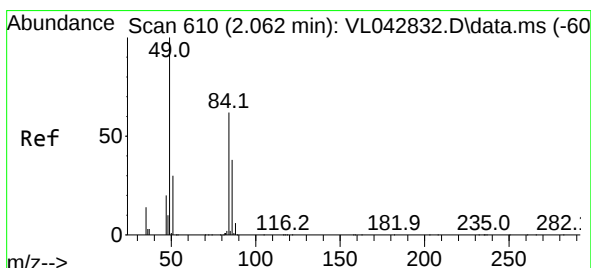
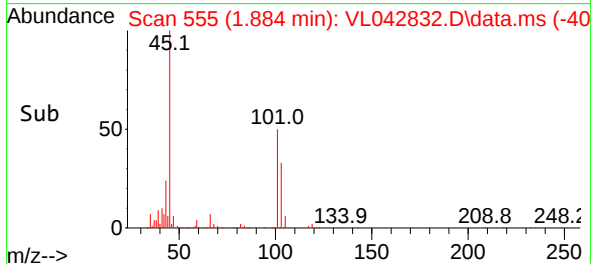
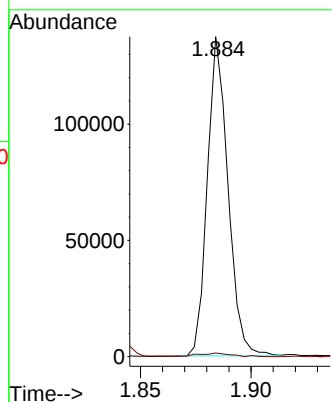
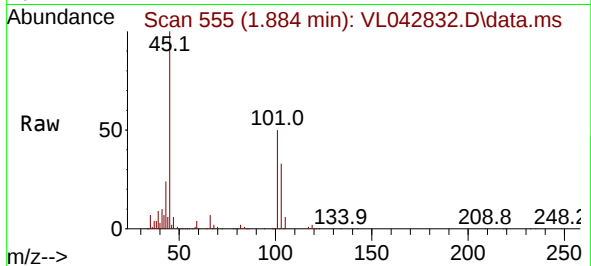




#19
Isopropyl Alcohol
Concen: 8.543 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

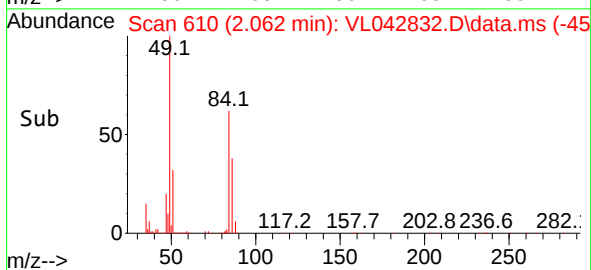
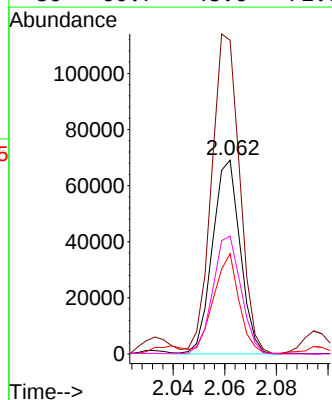
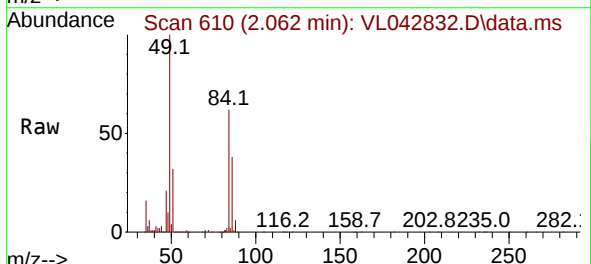
Instrument :
MSVOA_L
ClientSampleId :

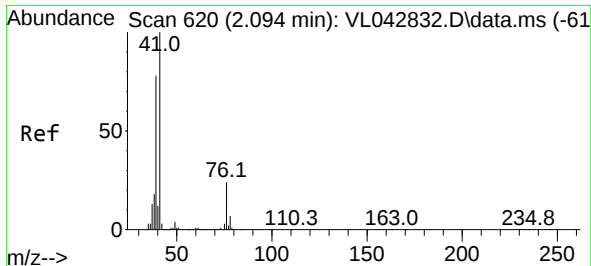
Tgt Ion: 45 Resp: 89071
Ion Ratio Lower Upper
45 100
58 2.0 1.6 2.4



#20
Methylene Chloride
Concen: 9.086 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 84 Resp: 51465
Ion Ratio Lower Upper
84 100
49 161.6 129.3 193.9
51 51.4 41.1 61.7
86 60.7 48.6 72.8





#21

Allyl Chloride

Concen: 9.100 ppbv

RT: 2.094 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

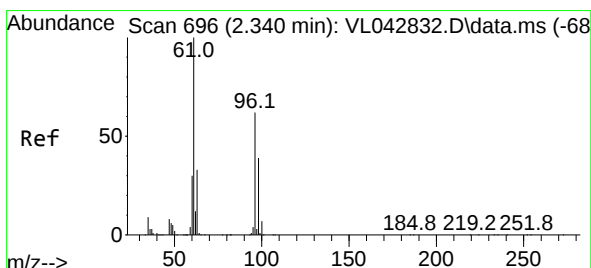
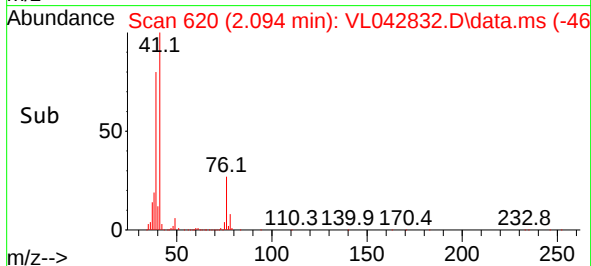
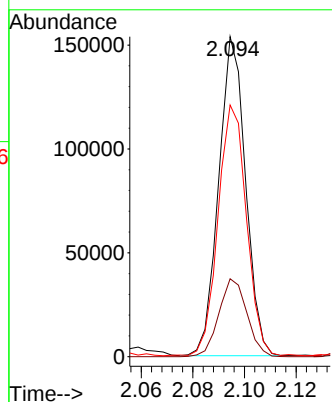
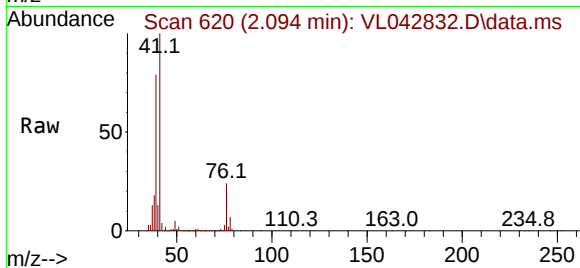
Tgt Ion: 41 Resp: 110992

Ion Ratio Lower Upper

41 100

76 25.5 20.4 30.6

39 82.7 66.2 99.2



#22

trans-1,2-Dichloroethene

Concen: 9.098 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

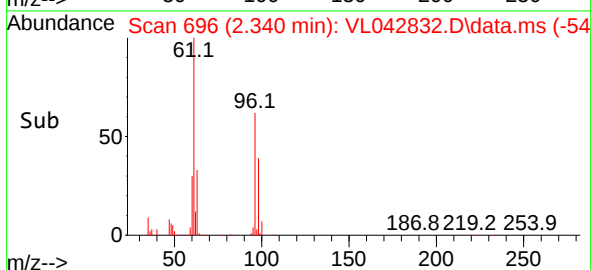
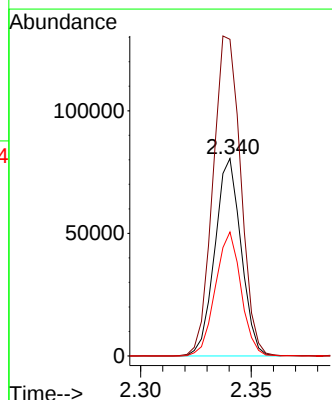
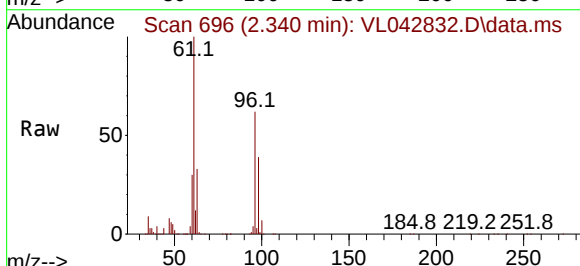
Tgt Ion: 96 Resp: 66457

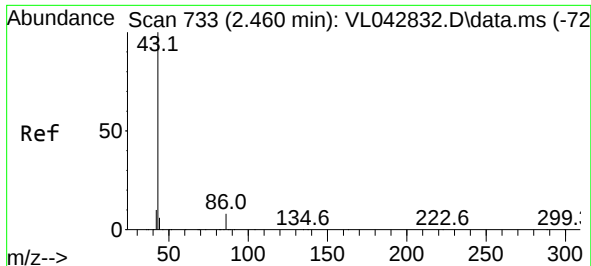
Ion Ratio Lower Upper

96 100

61 160.1 128.1 192.1

98 62.8 50.2 75.4



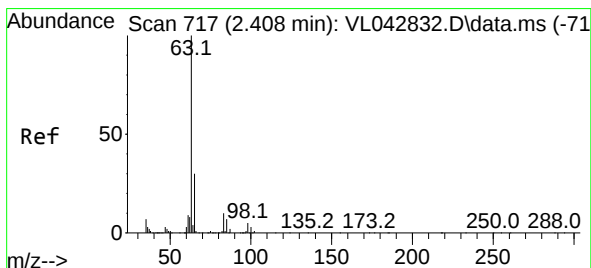
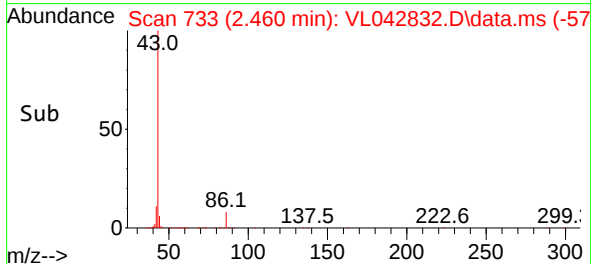
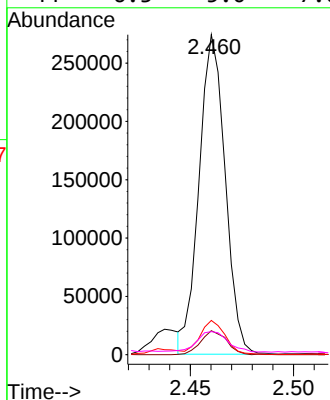
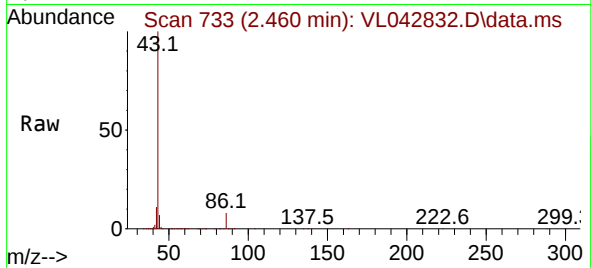


#23
 Vinyl Acetate
 Concen: 9.723 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 240123

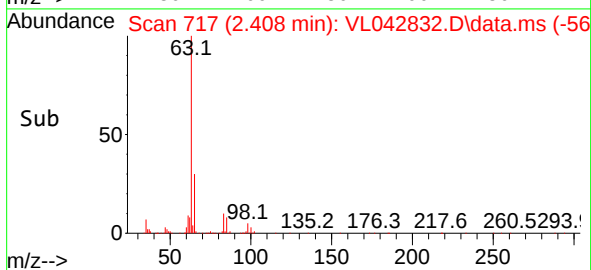
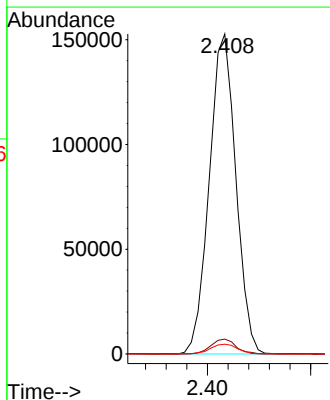
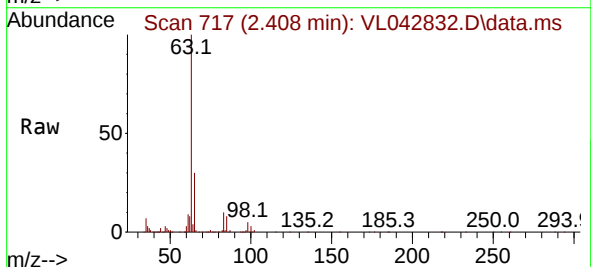
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	10.6	8.5	12.7
44	6.3	5.0	7.6

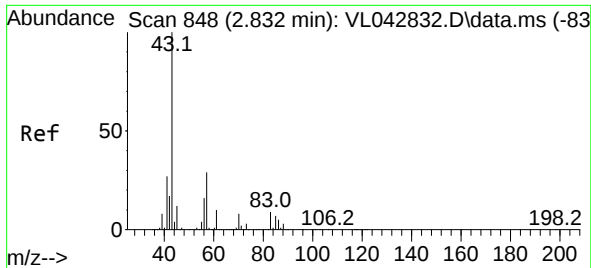


#24
 1,1-Dichloroethane
 Concen: 9.037 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion: 63 Resp: 136366

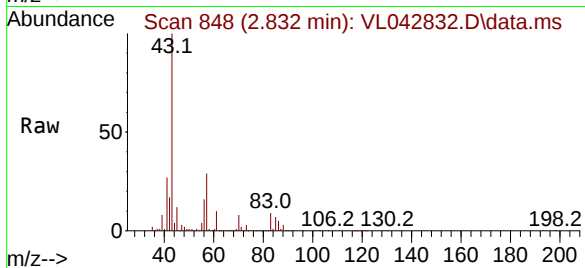
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	3.1	1.6	4.7





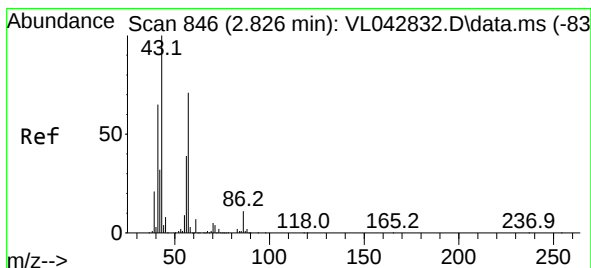
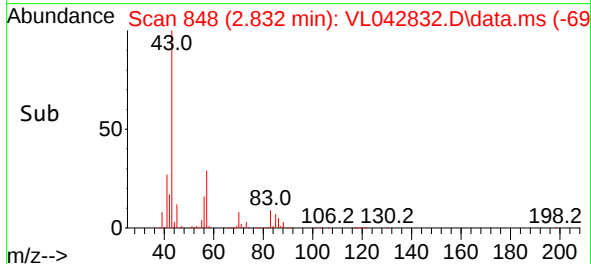
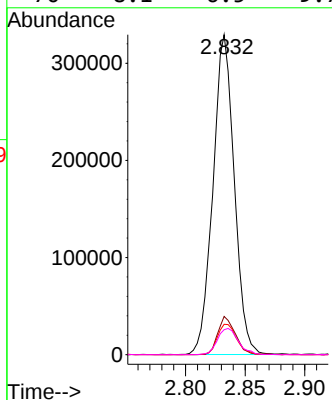
#25
Ethyl Acetate
Concen: 9.427 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 408603

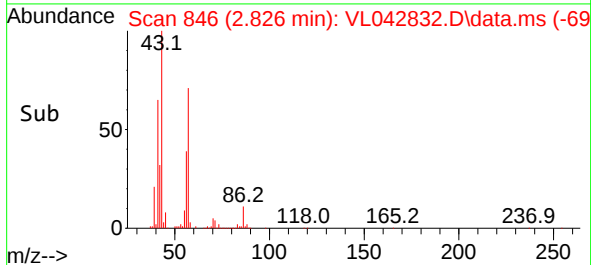
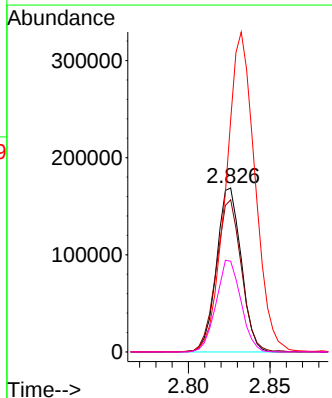
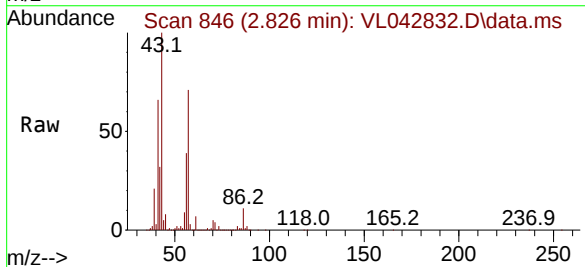
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.8	7.0	10.6
70	8.1	6.5	9.7

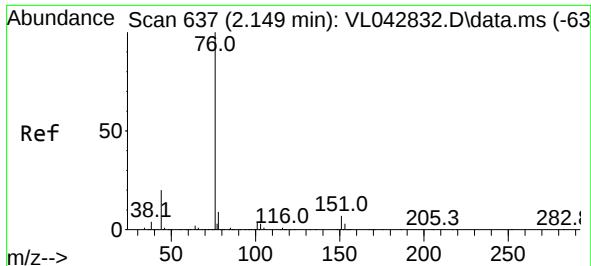


#26
Hexane
Concen: 9.244 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 57 Resp: 176586

Ion	Ratio	Lower	Upper
57	100		
41	96.0	76.8	115.2
43	231.8	185.4	278.2
56	56.5	45.2	67.8

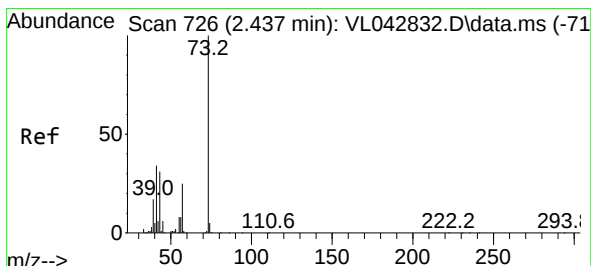
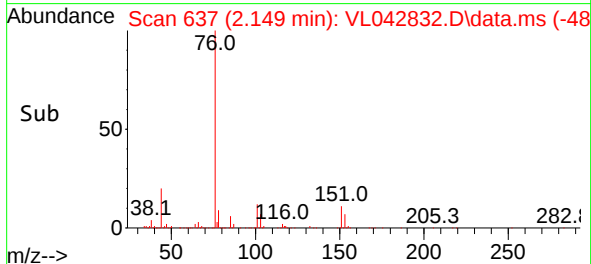
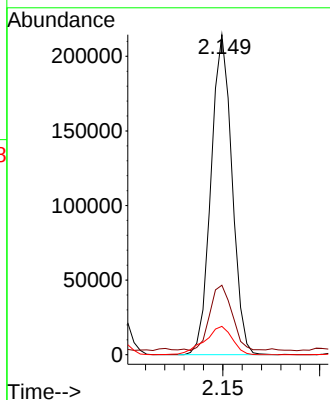
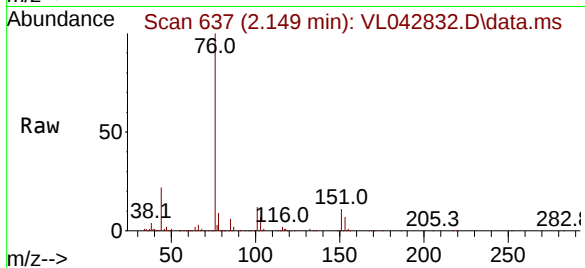




#27
Carbon Disulfide
Concen: 9.308 ppbv
RT: 2.149 min Scan# 613
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

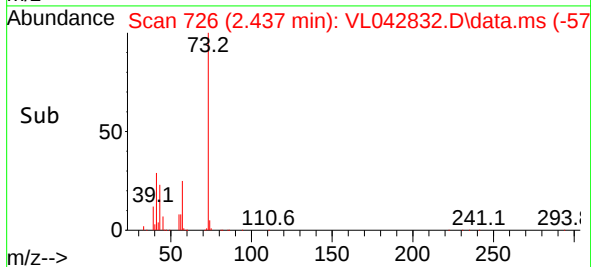
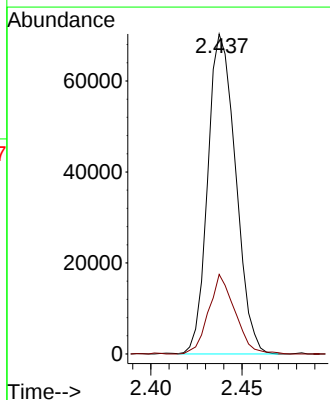
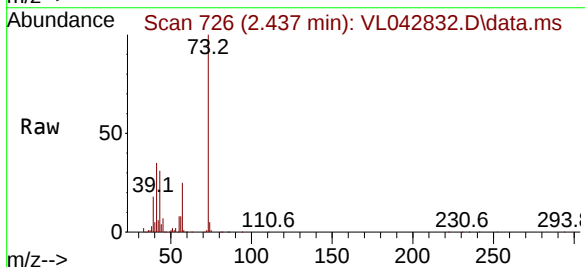
Instrument :
MSVOA_L
ClientSampleId :

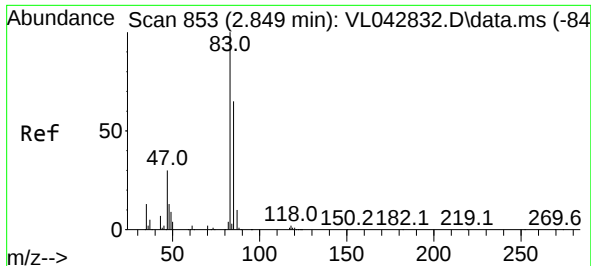
Tgt Ion: 76 Resp: 161396
Ion Ratio Lower Upper
76 100
44 24.2 19.4 29.0
78 11.6 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.471 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 73 Resp: 74872
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3





#29

Chloroform

Concen: 9.018 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

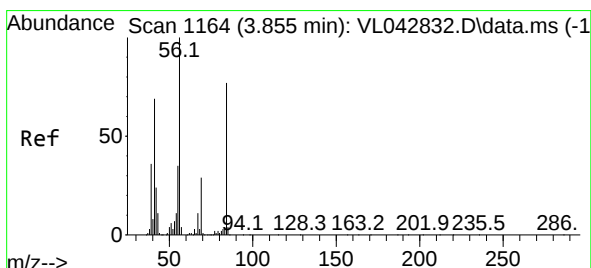
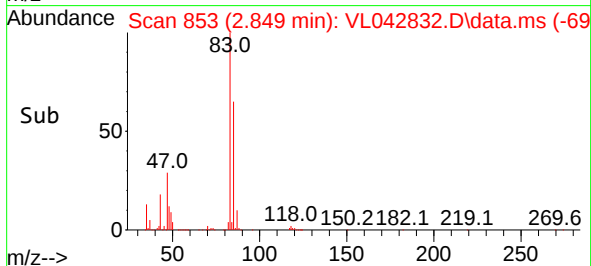
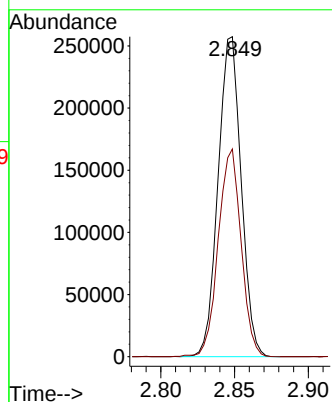
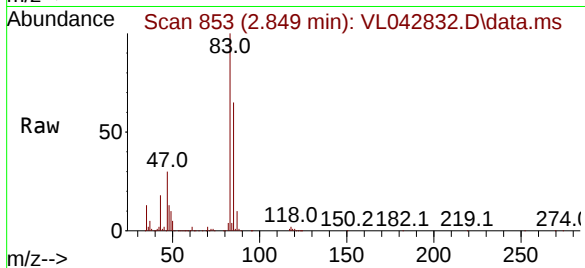
ClientSampleId :

Tgt Ion: 83 Resp: 280221

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9



#30

Cyclohexane

Concen: 10.569 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

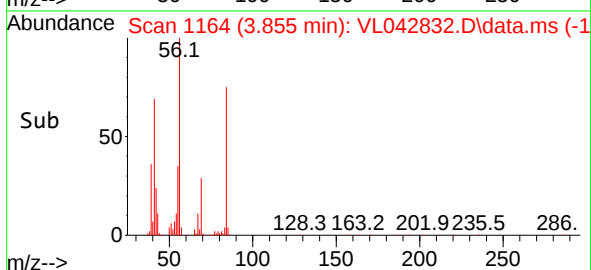
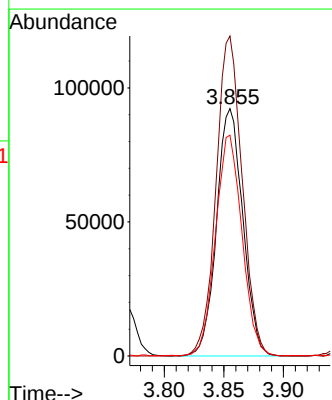
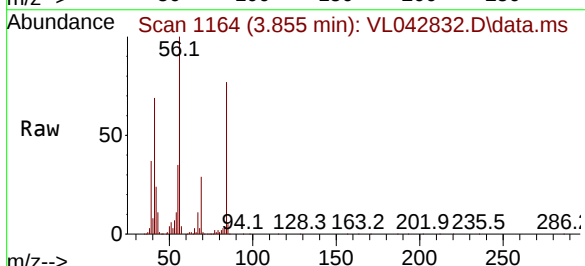
Tgt Ion: 84 Resp: 141499

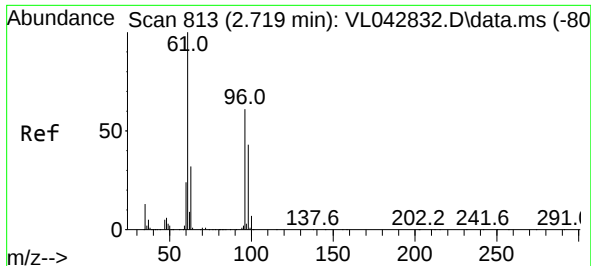
Ion Ratio Lower Upper

84 100

56 128.6 102.9 154.3

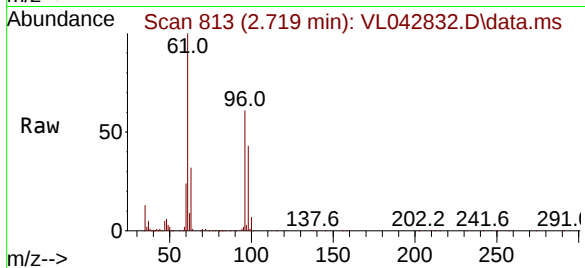
41 90.3 72.2 108.4



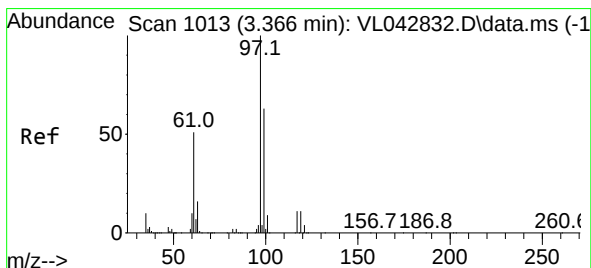
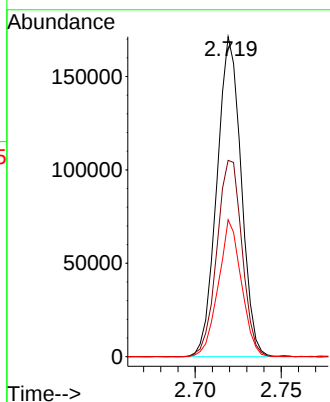
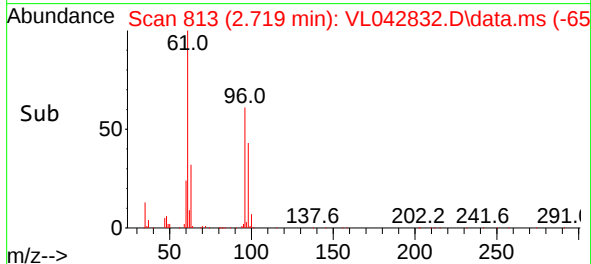


#31
 cis-1,2-Dichloroethene
 Concen: 9.268 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

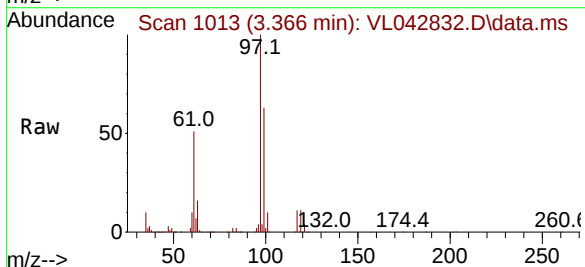
Instrument :
 MSVOA_L
 ClientSampleId :



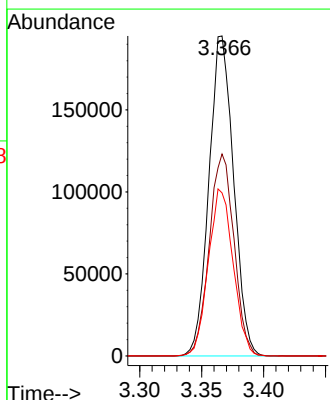
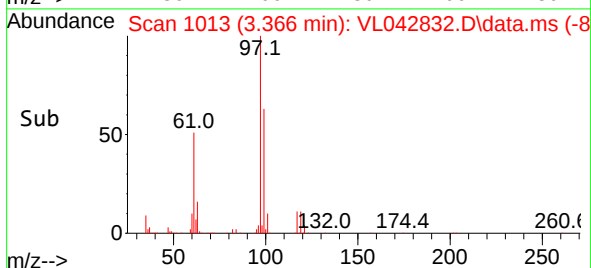
Tgt Ion: 61 Resp: 167901
 Ion Ratio Lower Upper
 61 100
 96 61.4 49.1 73.7
 98 42.8 34.2 51.4

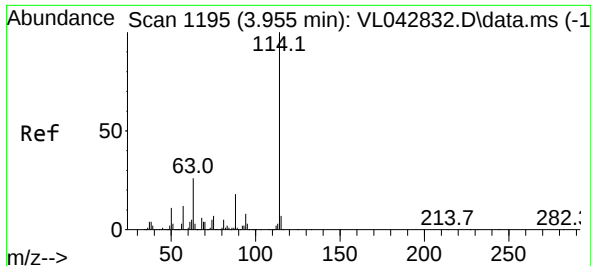


#32
 1,1,1-Trichloroethane
 Concen: 9.218 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20



Tgt Ion: 97 Resp: 270590
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.7 76.1
 61 52.5 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

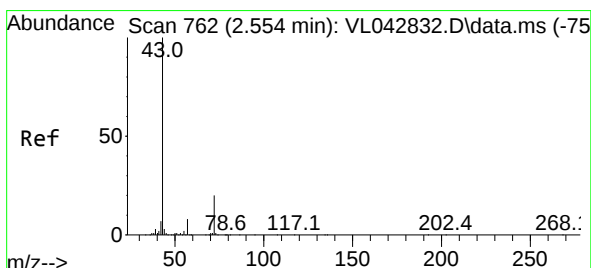
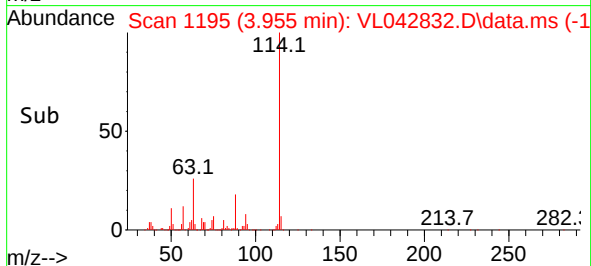
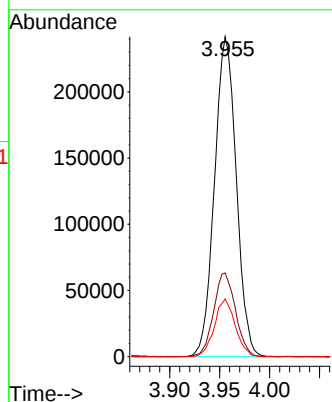
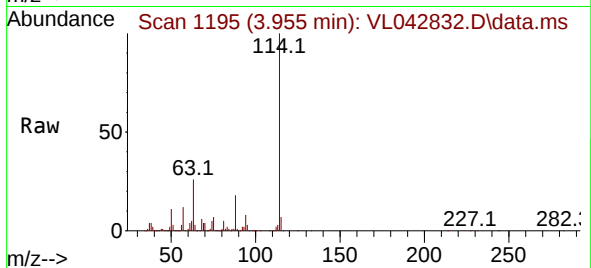
Tgt Ion:114 Resp: 366012

Ion Ratio Lower Upper

114 100

63 26.4 21.0 31.6

88 17.3 13.8 20.8



#34

2-Butanone

Concen: 9.646 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042832.D

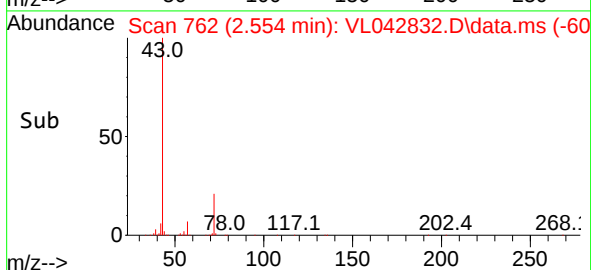
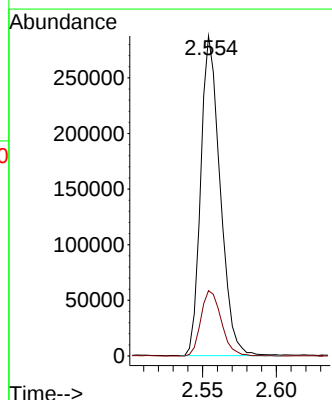
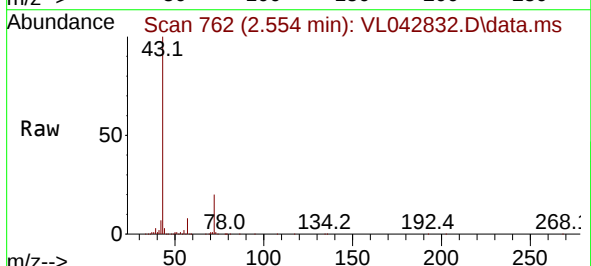
Acq: 11 Aug 2025 08:20

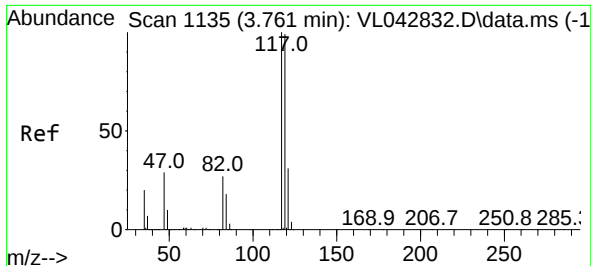
Tgt Ion: 43 Resp: 262989

Ion Ratio Lower Upper

43 100

72 21.5 17.2 25.8

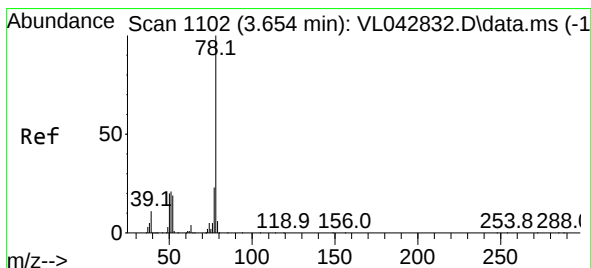
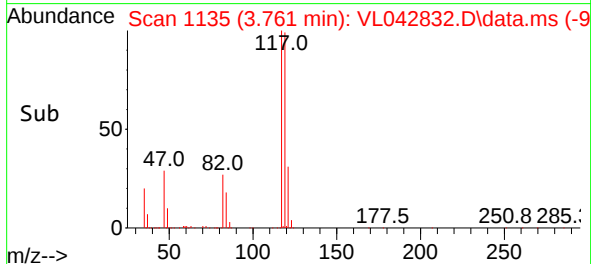
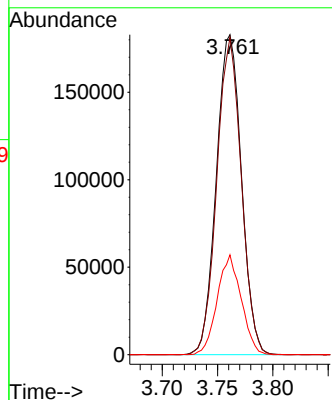
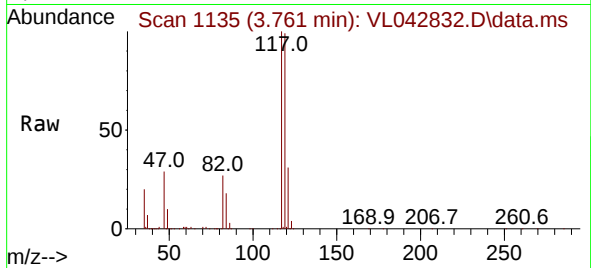




#35
Carbon Tetrachloride
Concen: 9.129 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

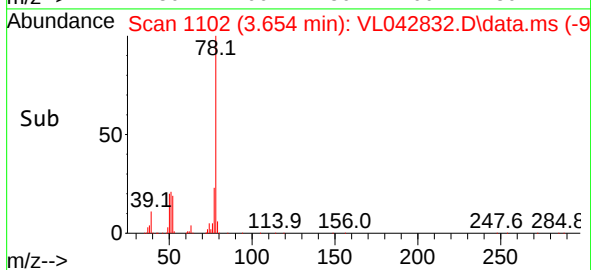
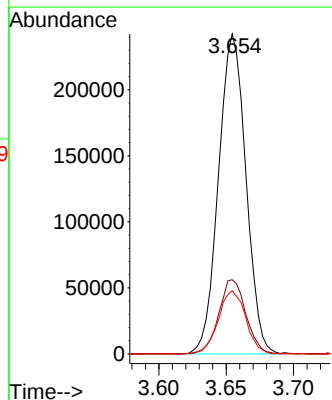
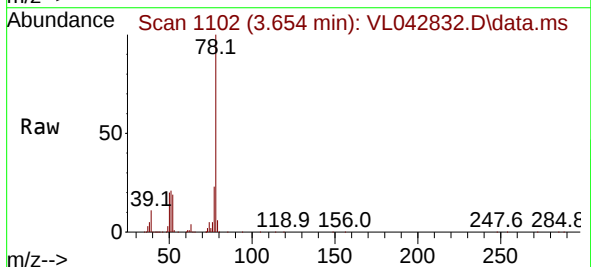
Instrument :
MSVOA_L
ClientSampleId :

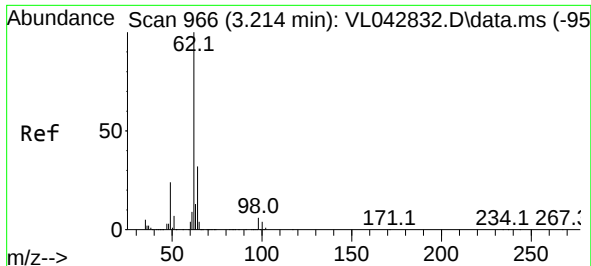
Tgt Ion:117 Resp: 289195
Ion Ratio Lower Upper
117 100
119 99.1 79.3 118.9
121 31.2 25.0 37.4



#36
Benzene
Concen: 9.754 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 78 Resp: 342428
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 19.8 15.8 23.8





#37

1,2-Dichloroethane

Concen: 9.296 ppbv

RT: 3.214 min Scan# 966

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_1

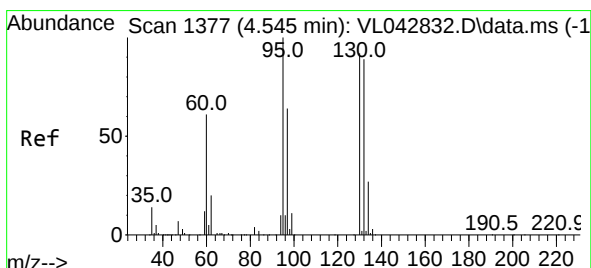
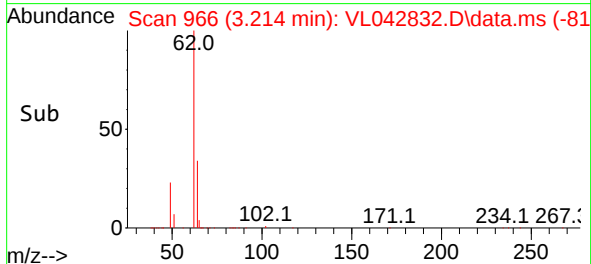
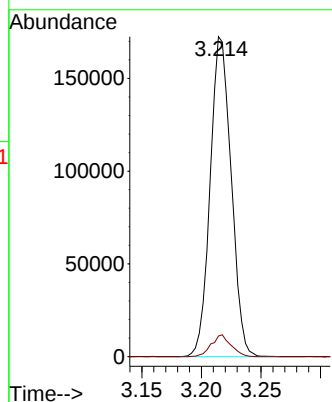
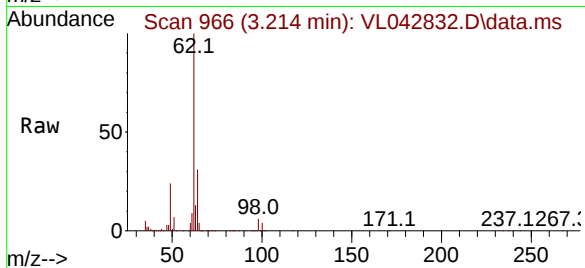
ClientSampleId :

Tgt Ion: 62 Resp: 211912

Ion Ratio Lower Upper

62 100

98 6.4 5.1 7.7



#38

Trichloroethene

Concen: 8.984 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Tgt Ion:130 Resp: 158557

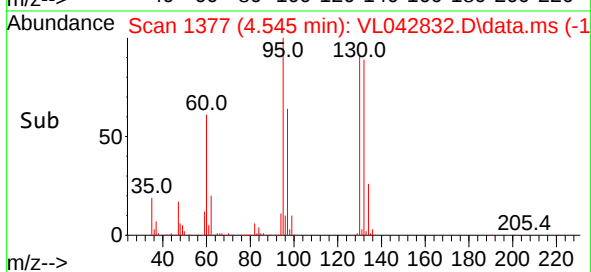
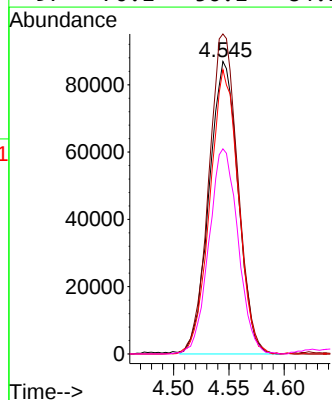
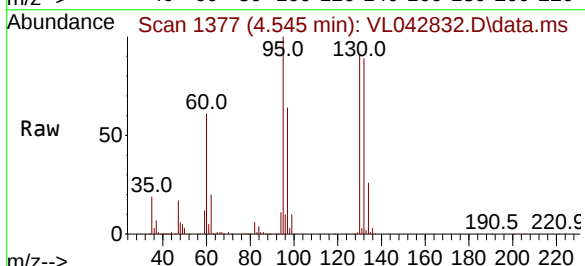
Ion Ratio Lower Upper

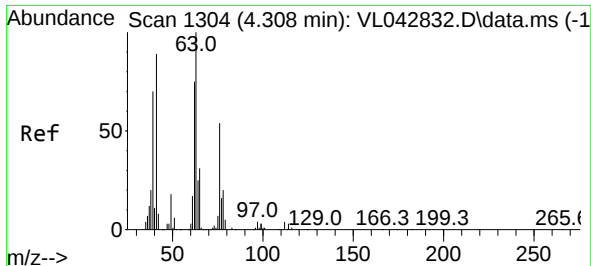
130 100

95 109.3 87.4 131.2

132 97.2 77.8 116.6

97 70.1 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.225 ppbv

RT: 4.308 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

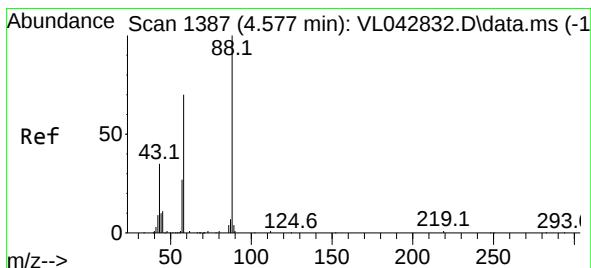
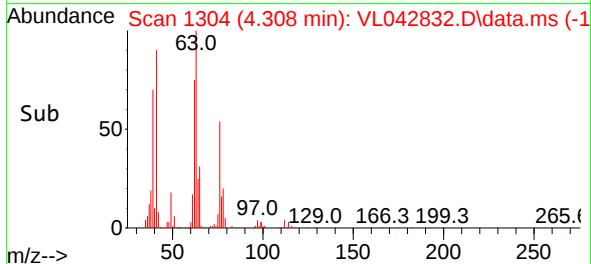
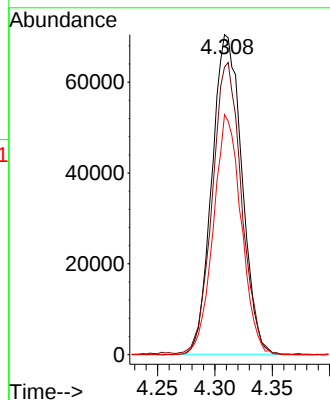
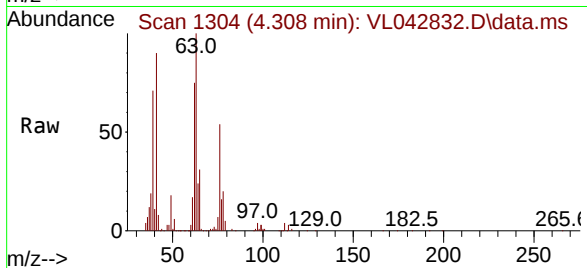
Tgt Ion: 63 Resp: 127123

Ion Ratio Lower Upper

63 100

41 89.8 71.8 107.8

62 75.0 60.0 90.0



#40

1,4-Dioxane

Concen: 10.141 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Tgt Ion: 88 Resp: 53478

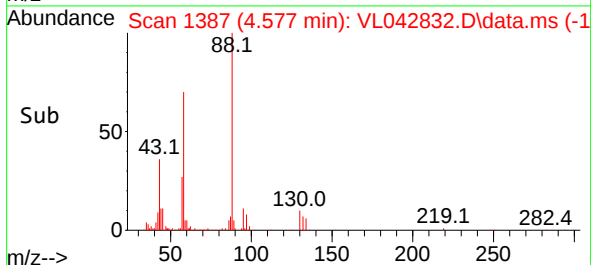
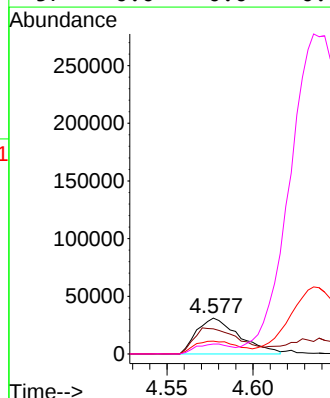
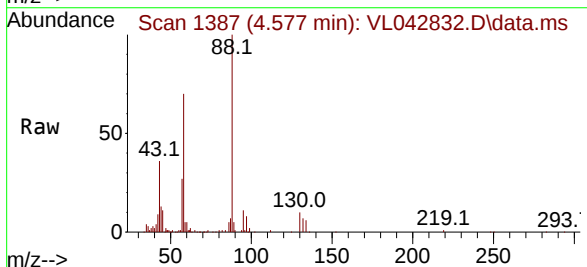
Ion Ratio Lower Upper

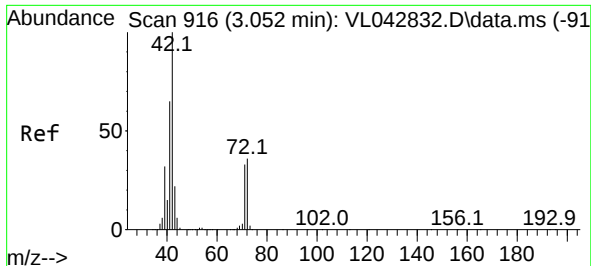
88 100

58 81.6 61.4 92.2

43 39.5 28.6 43.0

57 0.0 0.0 0.0

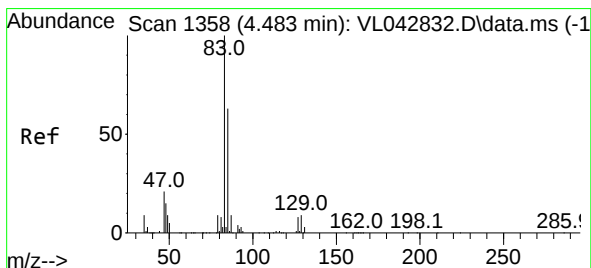
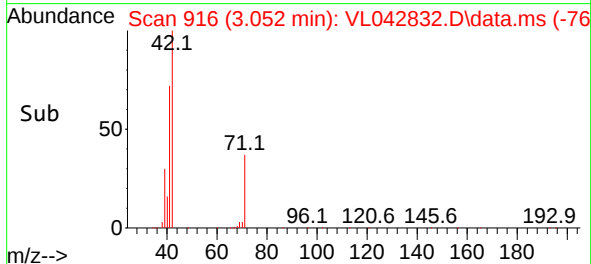
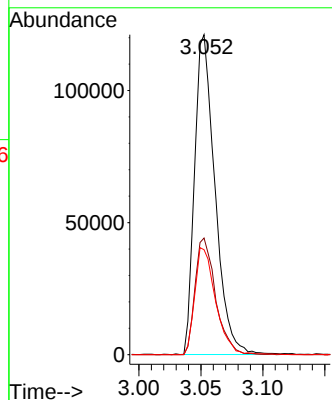
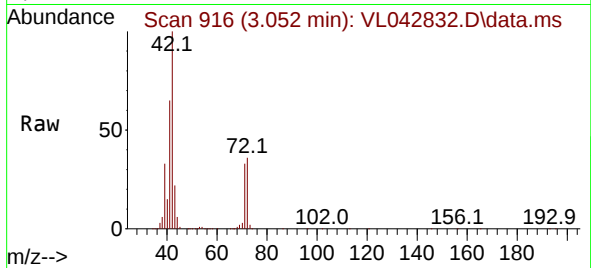




#41
Tetrahydrofuran
Concen: 10.609 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

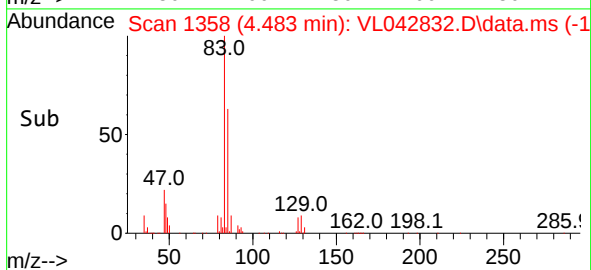
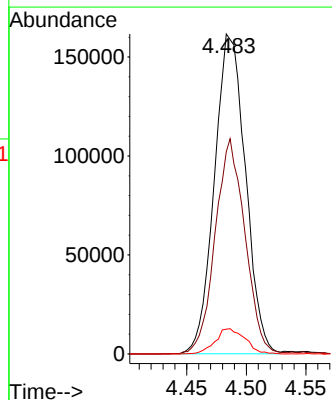
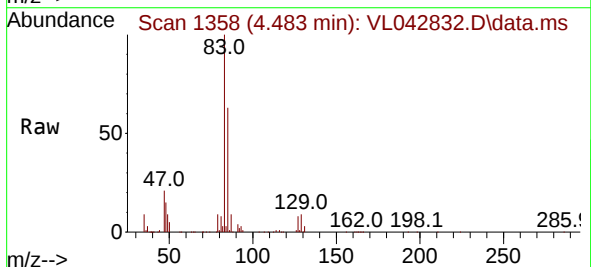
Instrument :
MSVOA_L
ClientSampleId :

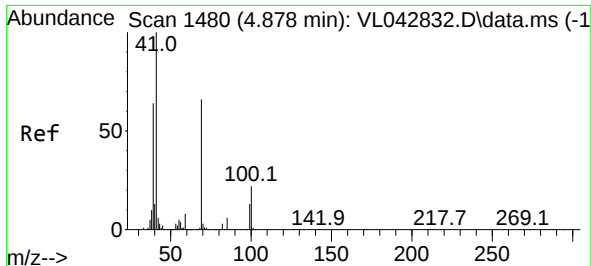
Tgt Ion: 42 Resp: 138464
Ion Ratio Lower Upper
42 100
72 36.8 29.4 44.2
71 34.2 27.4 41.0



#42
Bromodichloromethane
Concen: 9.543 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 83 Resp: 292902
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 7.8 6.2 9.4

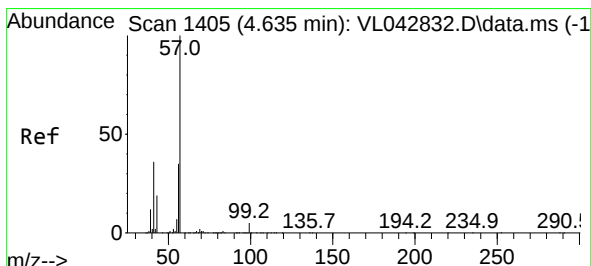
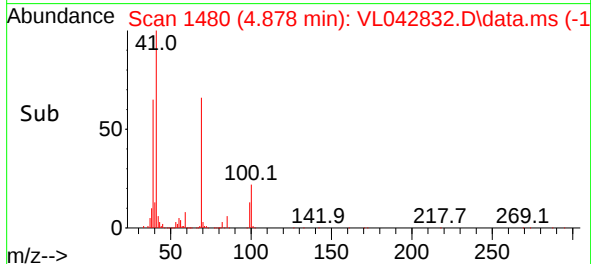
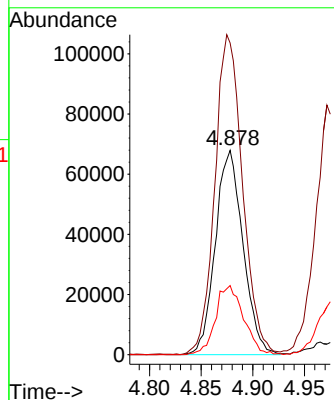
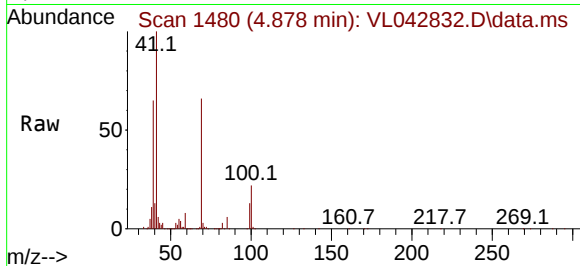




#43
Methyl Methacrylate
Concen: 11.048 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

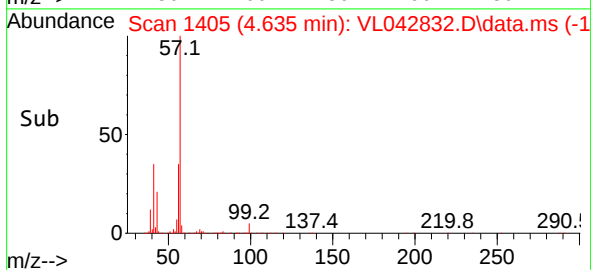
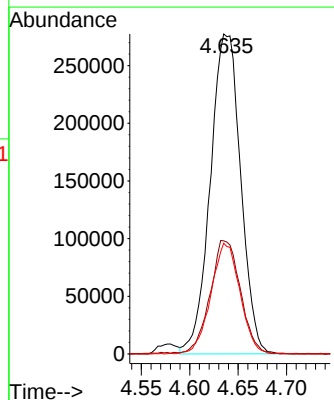
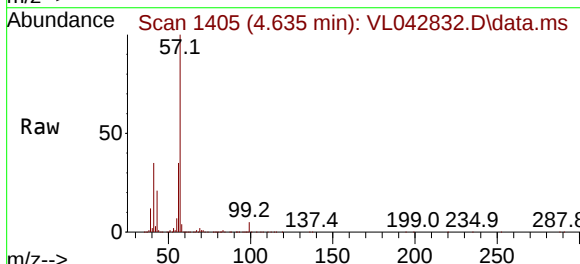
Instrument :
MSVOA_L
ClientSampleId :

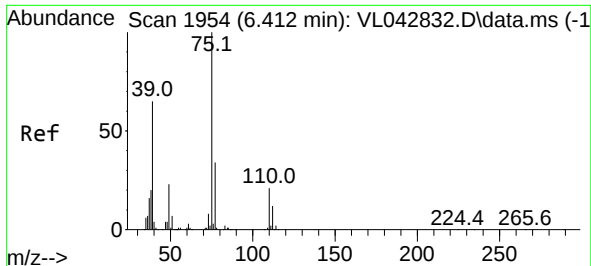
Tgt Ion: 69 Resp: 126633
Ion Ratio Lower Upper
69 100
41 156.9 125.6 188.4
100 34.4 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 10.276 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 57 Resp: 605320
Ion Ratio Lower Upper
57 100
41 36.1 28.7 43.1
56 33.2 26.6 39.8

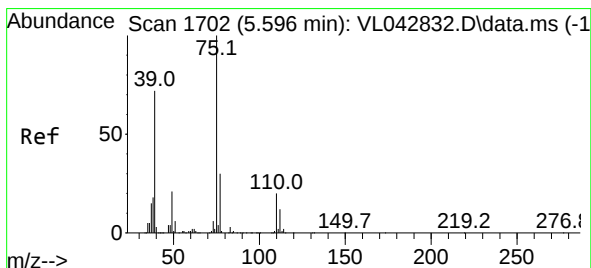
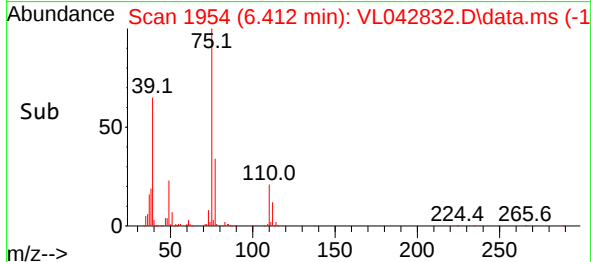
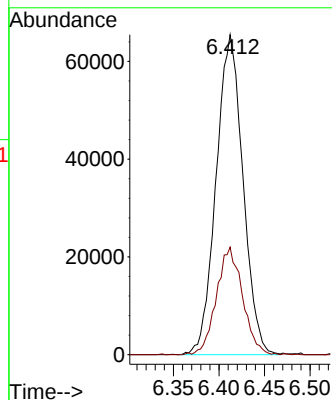
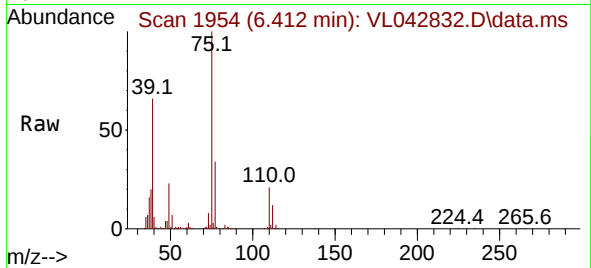




#45
 t-1,3-Dichloropropene
 Concen: 10.595 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

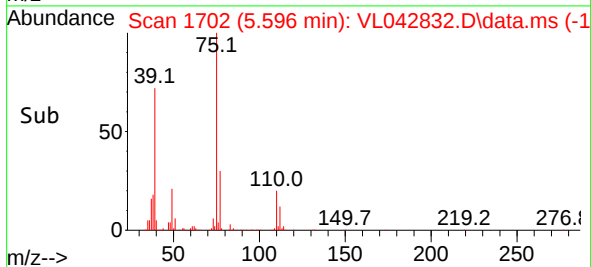
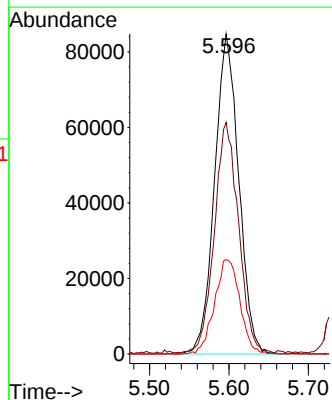
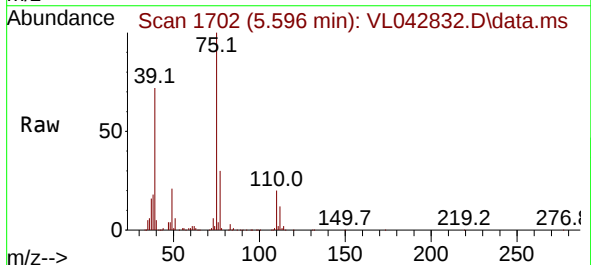
Instrument :
 MSVOA_L
 ClientSampleId :

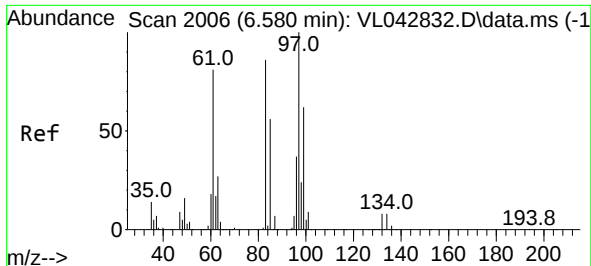
Tgt Ion: 75 Resp: 134224
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.9 40.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.538 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion: 75 Resp: 178486
 Ion Ratio Lower Upper
 75 100
 39 72.0 57.6 86.4
 77 29.5 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 5.282 ppbv

RT: 6.580 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 78877

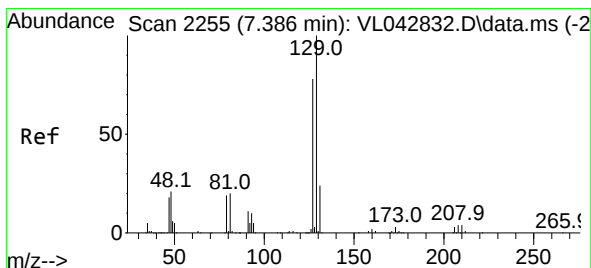
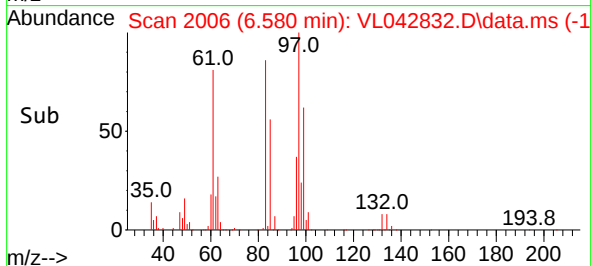
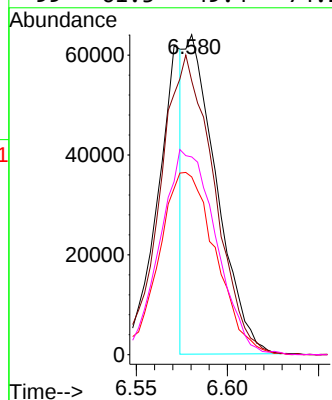
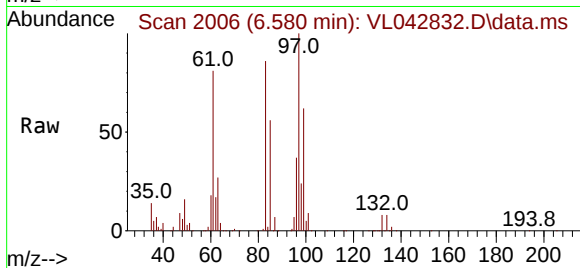
Ion Ratio Lower Upper

97 100

83 85.4 68.5 102.7

85 55.0 44.4 66.6

99 61.3 49.4 74.2



#48

Dibromochloromethane

Concen: 9.651 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.000 min

Lab File: VL042832.D

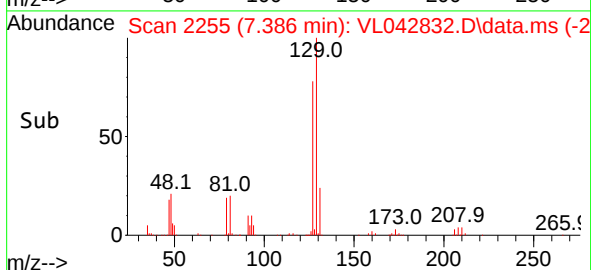
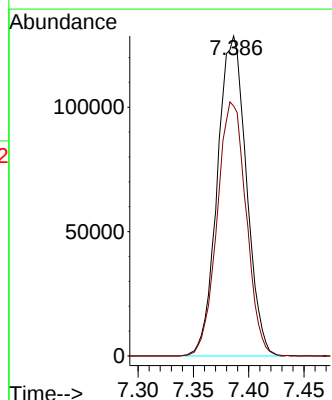
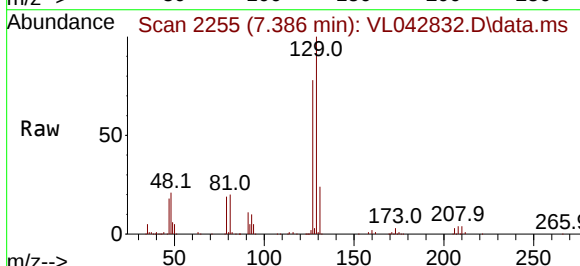
Acq: 11 Aug 2025 08:20

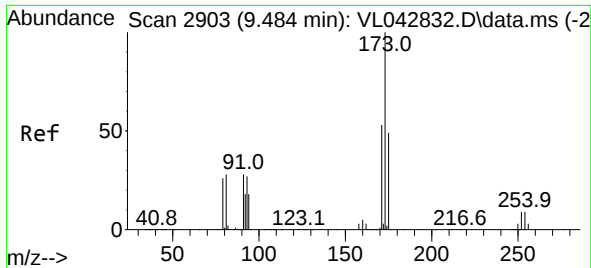
Tgt Ion: 129 Resp: 234276

Ion Ratio Lower Upper

129 100

127 79.5 39.8 119.3

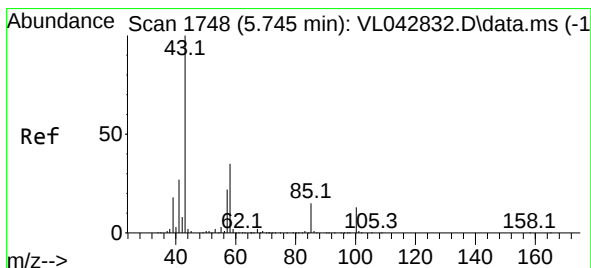
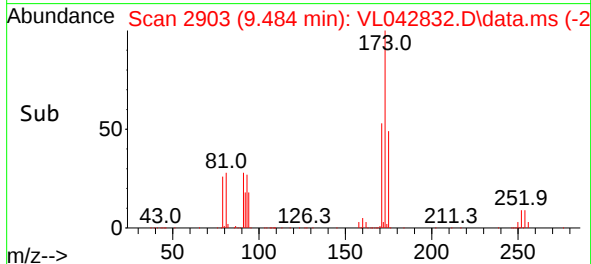
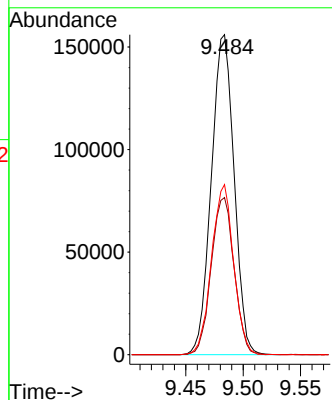
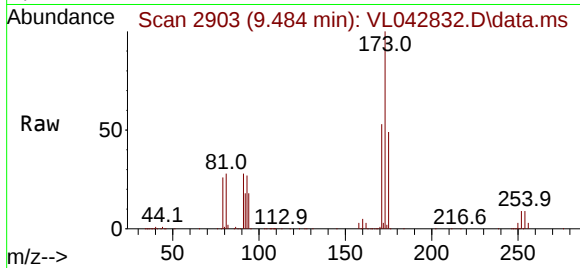




#49
Bromoform
Concen: 10.117 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

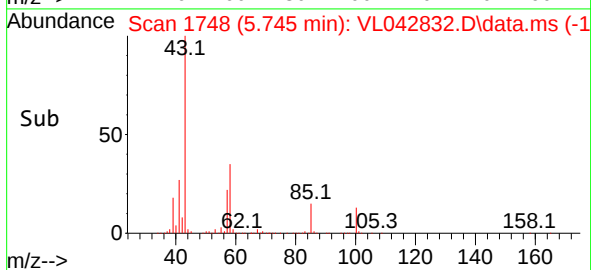
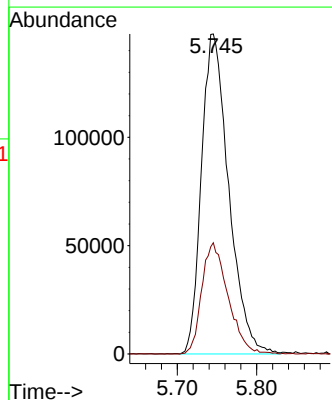
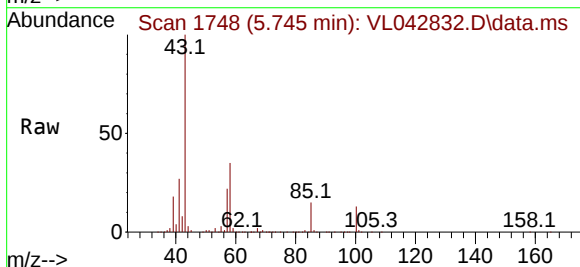
Instrument :
MSVOA_L
ClientSampleId :

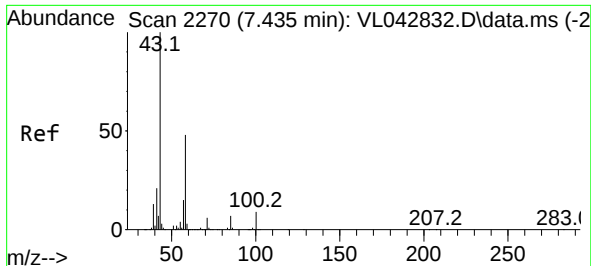
Tgt Ion:173 Resp: 215372
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.0
171 51.7 41.4 62.0



#50
4-Methyl-2-Pentanone
Concen: 11.195 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 43 Resp: 352637
Ion Ratio Lower Upper
43 100
58 33.4 26.7 40.1

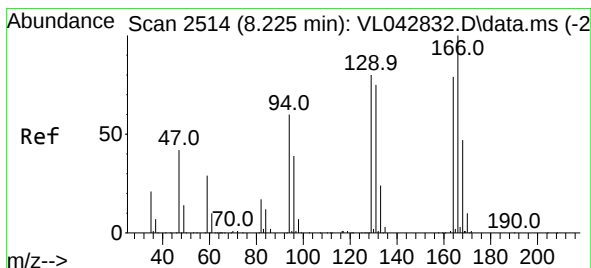
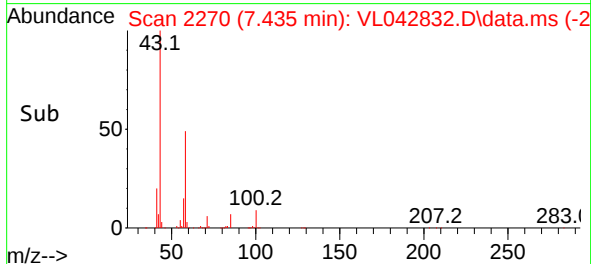
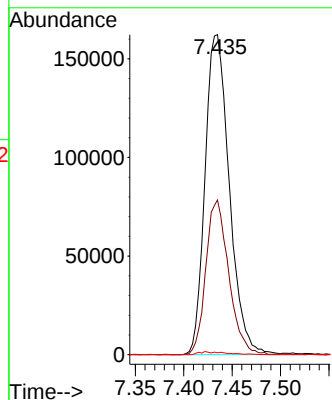
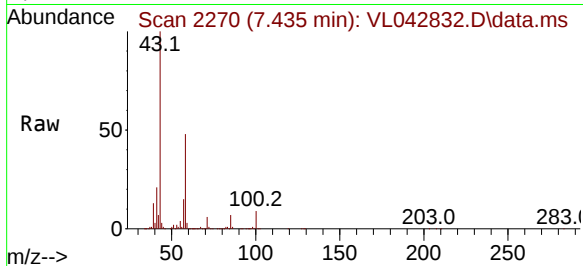




#51
2-Hexanone
Concen: 12.133 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

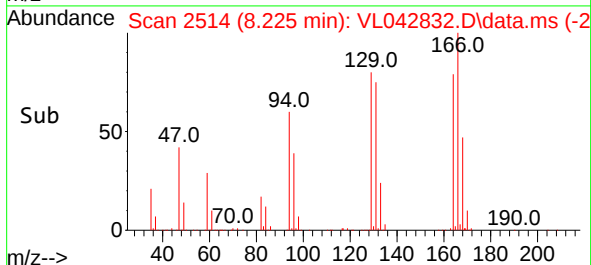
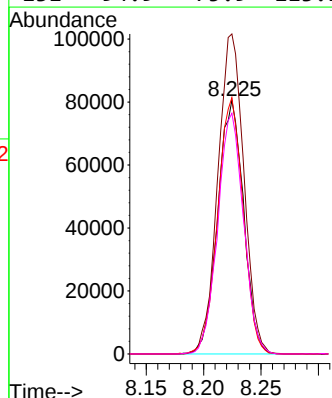
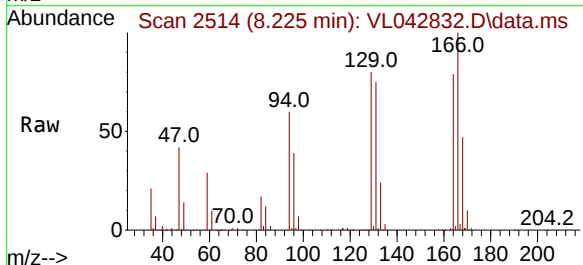
Instrument :
MSVOA_L
ClientSampleId :

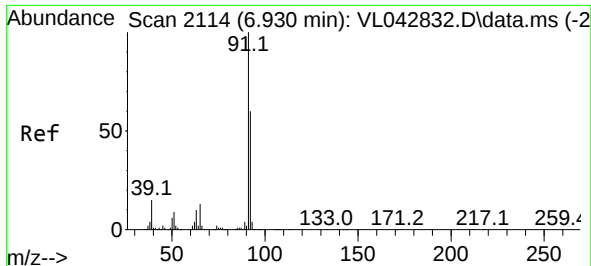
Tgt Ion: 43 Resp: 283234
Ion Ratio Lower Upper
43 100
58 45.6 36.6 54.8
98 1.0 0.8 1.2



#52
Tetrachloroethene
Concen: 9.627 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 164 Resp: 126416
Ion Ratio Lower Upper
164 100
166 126.2 101.0 151.4
129 101.1 80.9 121.3
131 94.9 75.9 113.9

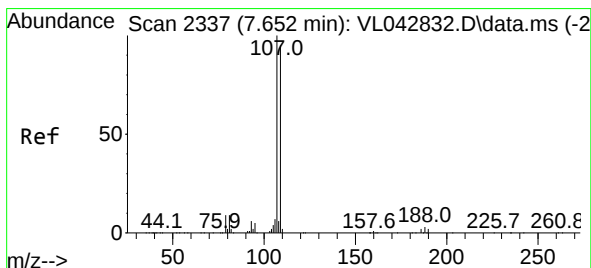
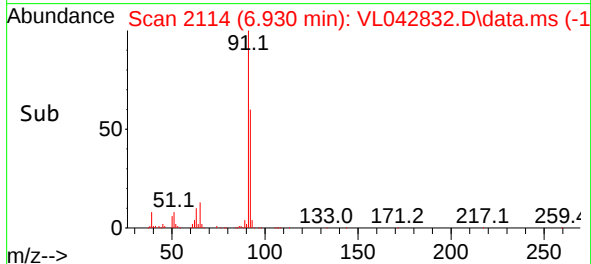
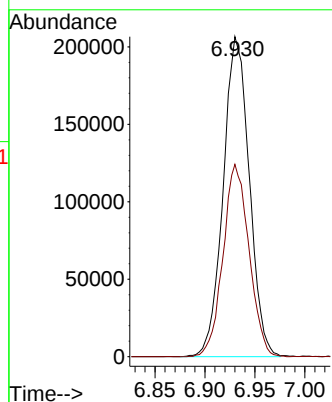
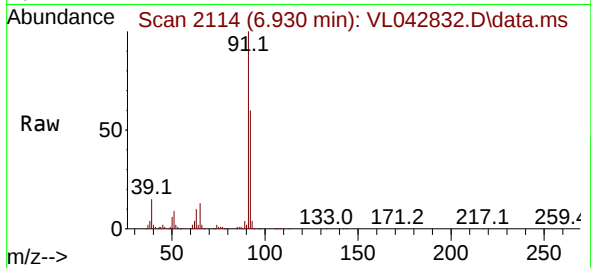




#53
Toluene
Concen: 11.289 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

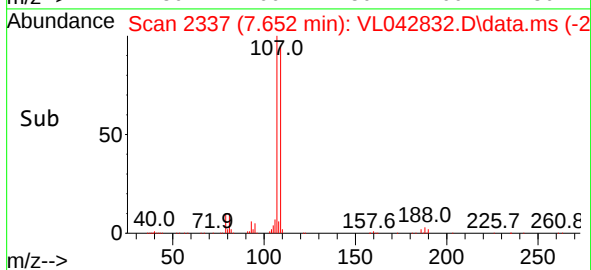
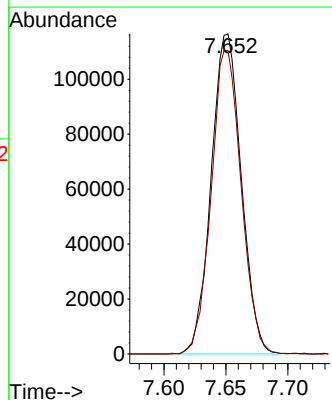
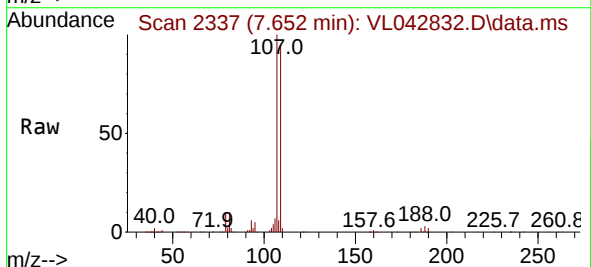
Instrument :
MSVOA_L
ClientSampleId :

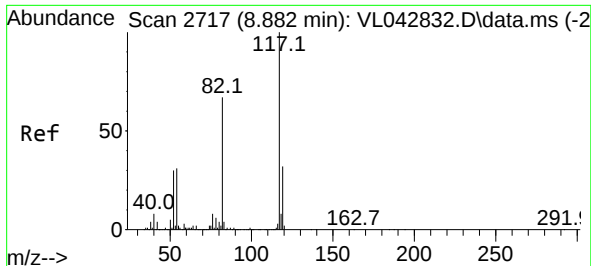
Tgt Ion: 91 Resp: 375302
Ion Ratio Lower Upper
91 100
92 59.8 47.8 71.8



#54
1,2-Dibromoethane
Concen: 9.812 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 107 Resp: 196849
Ion Ratio Lower Upper
107 100
109 94.6 75.7 113.5

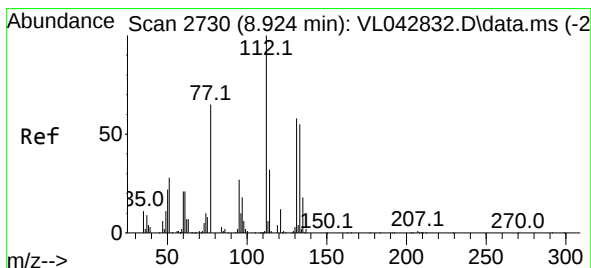
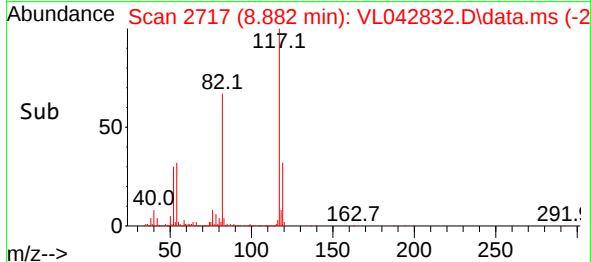
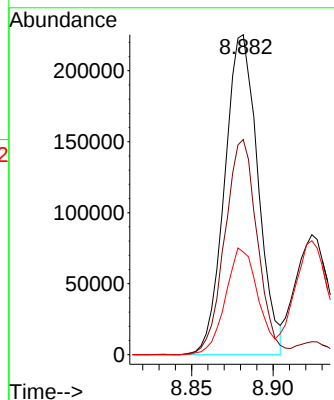
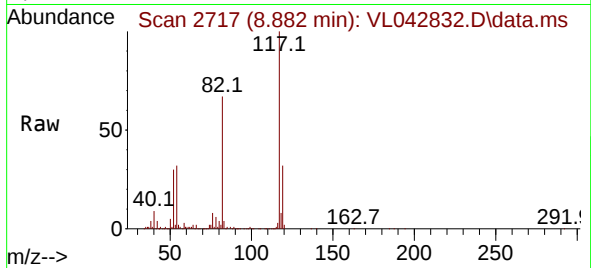




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

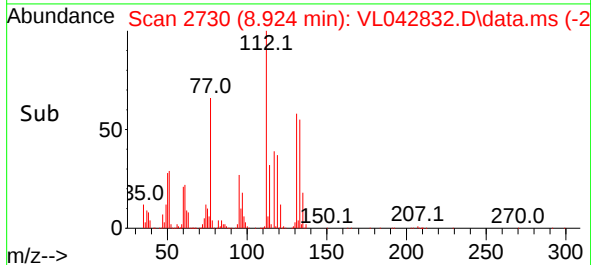
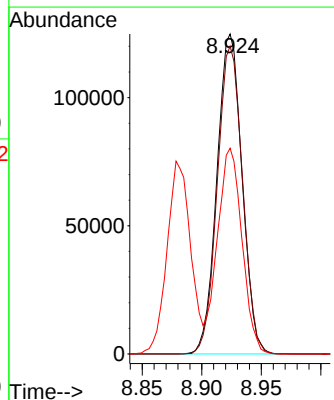
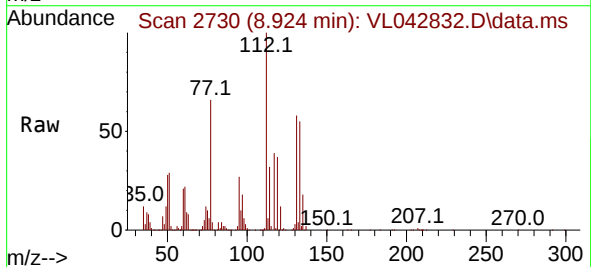
Instrument :
MSVOA_L
ClientSampleId :

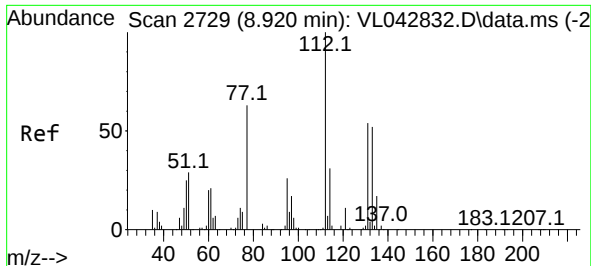
Tgt Ion:117 Resp: 320110
Ion Ratio Lower Upper
117 100
82 69.6 55.7 83.5
119 31.8 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.300 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion:131 Resp: 182941
Ion Ratio Lower Upper
131 100
133 96.3 77.0 115.6
119 63.1 50.5 75.7

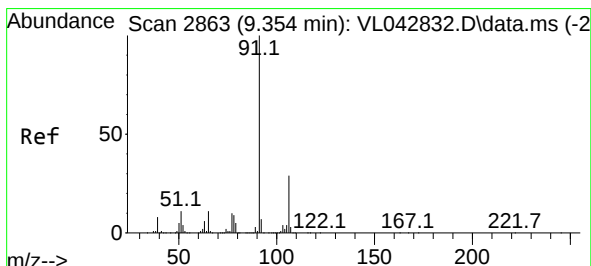
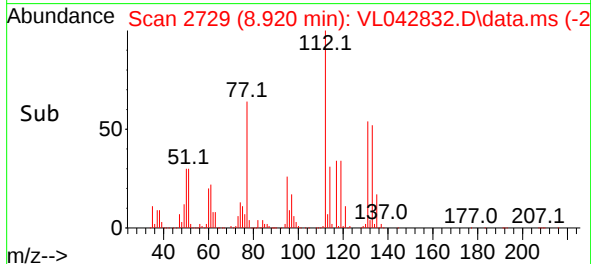
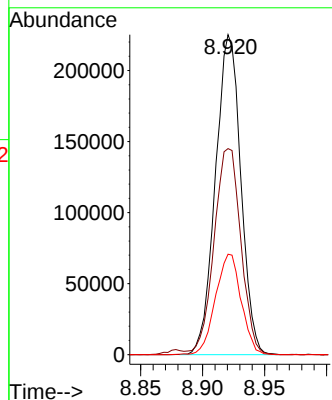
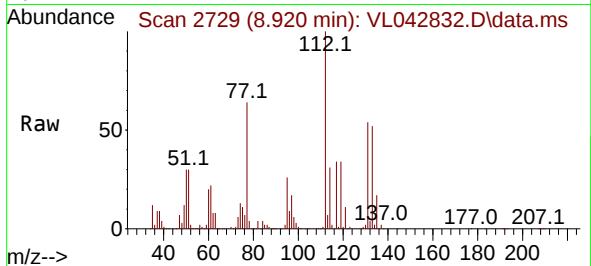




#57
Chlorobenzene
Concen: 9.440 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

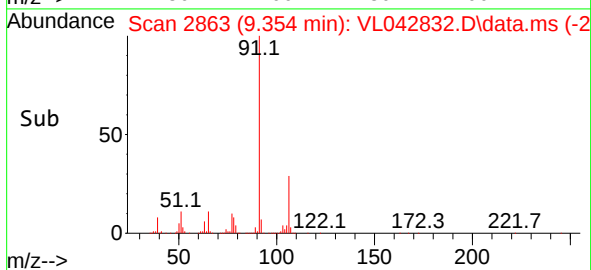
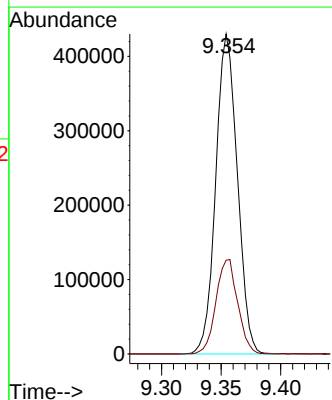
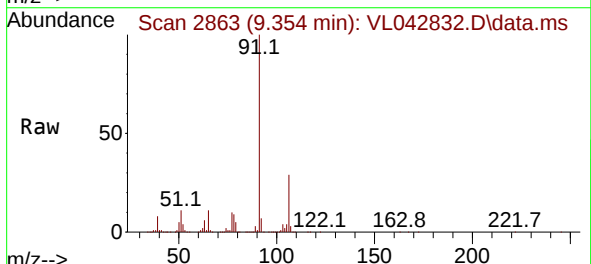
Instrument :
MSVOA_1
ClientSampleId :

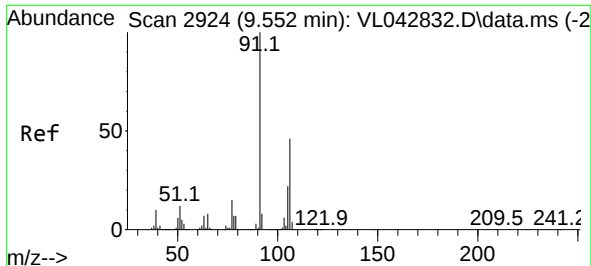
Tgt Ion:112 Resp: 321611
Ion Ratio Lower Upper
112 100
77 64.4 51.5 77.3
114 31.4 28.3 34.5



#58
Ethyl Benzene
Concen: 11.648 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 91 Resp: 541871
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2





#59

m/p-Xylene

Concen: 12.059 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

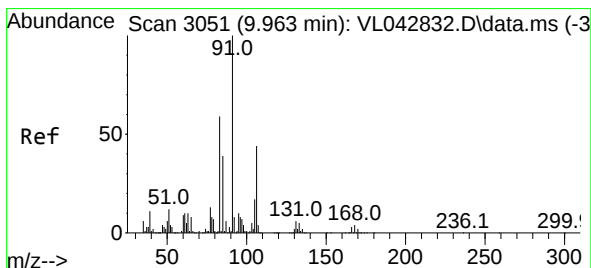
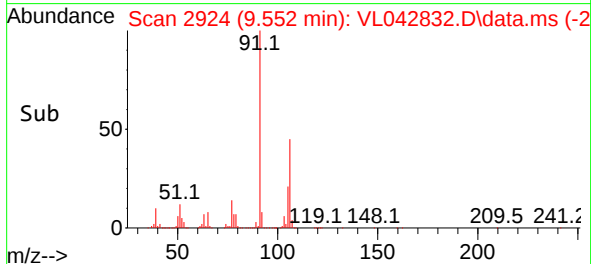
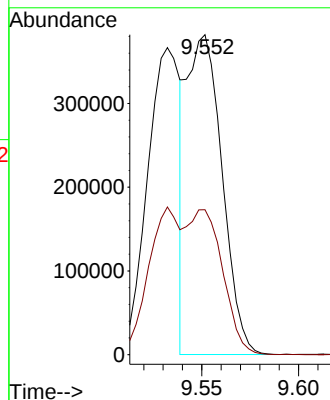
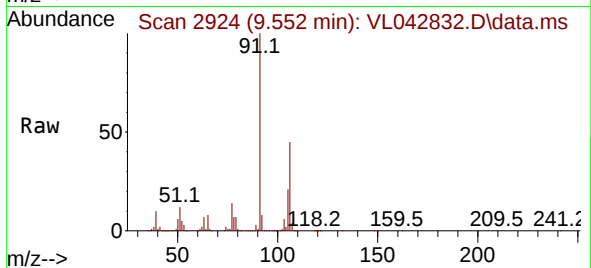
ClientSampleId :

Tgt Ion: 91 Resp: 483693

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 11.577 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042832.D

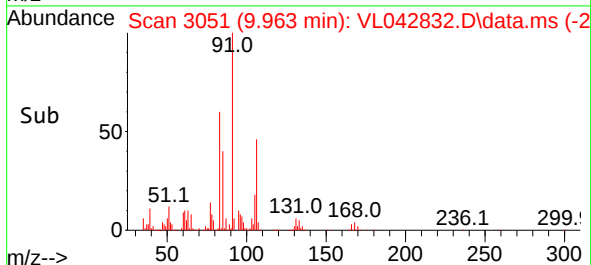
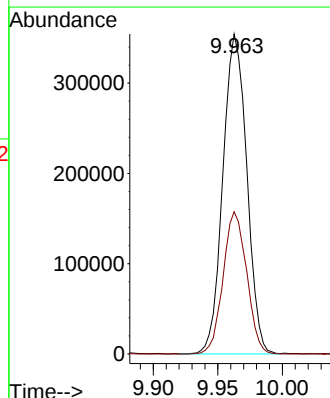
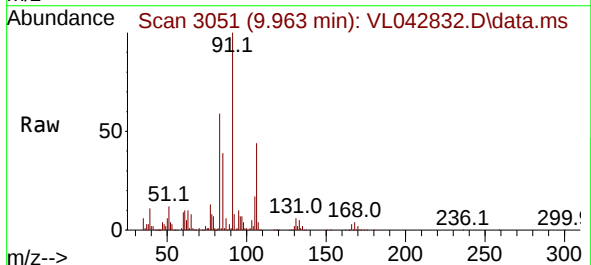
Acq: 11 Aug 2025 08:20

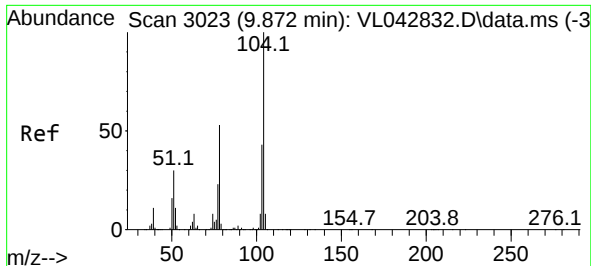
Tgt Ion: 91 Resp: 455694

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.7

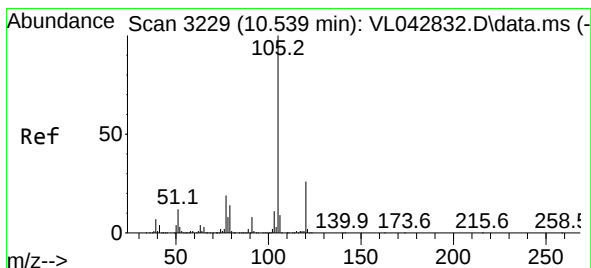
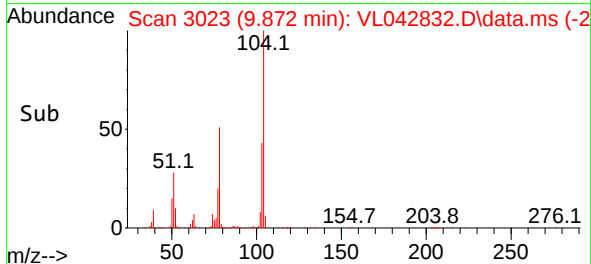
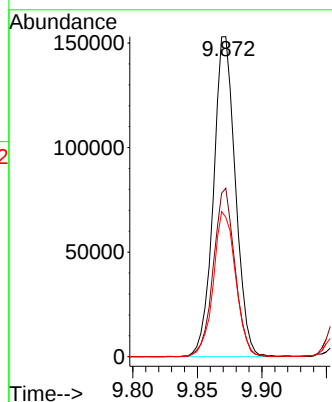
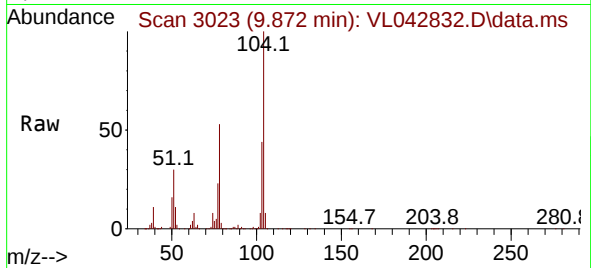




#61
Styrene
Concen: 9.132 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

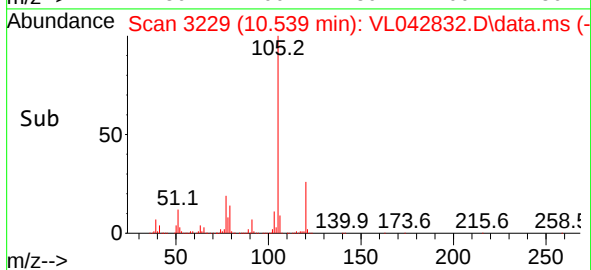
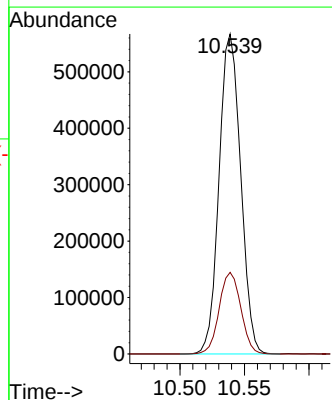
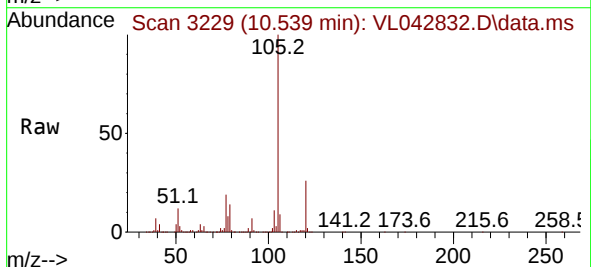
Instrument :
MSVOA_L
ClientSampleId :

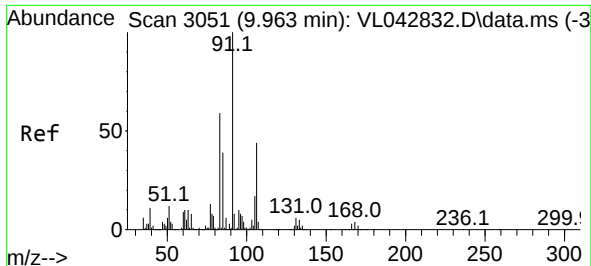
Tgt Ion:104 Resp: 180839
Ion Ratio Lower Upper
104 100
78 51.8 41.4 62.2
103 46.1 36.9 55.3



#62
Isopropylbenzene
Concen: 11.037 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion:105 Resp: 658212
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 9.093 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

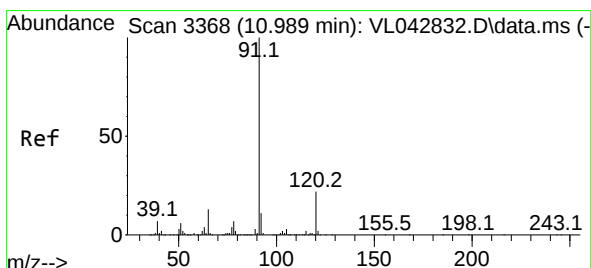
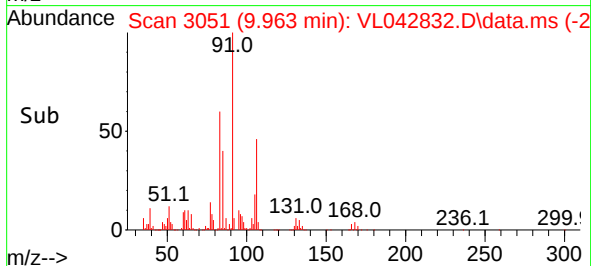
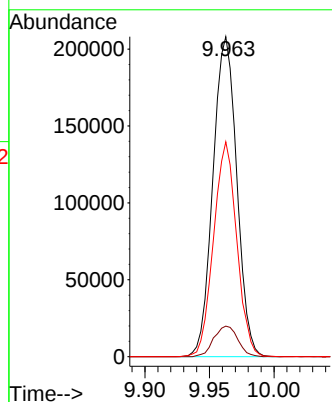
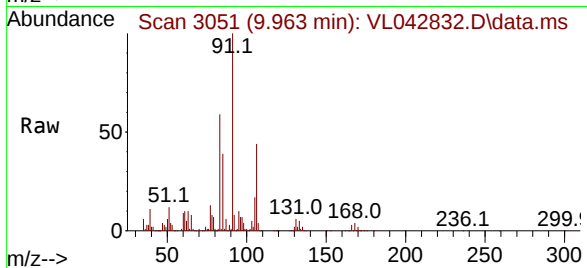
Tgt Ion: 83 Resp: 266740

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 65.2 32.6 97.8



#64

n-propylbenzene

Concen: 11.183 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL042832.D

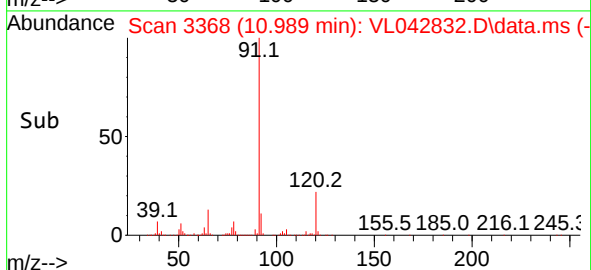
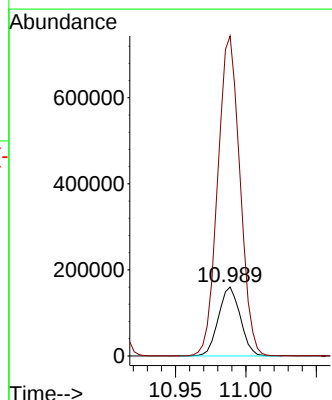
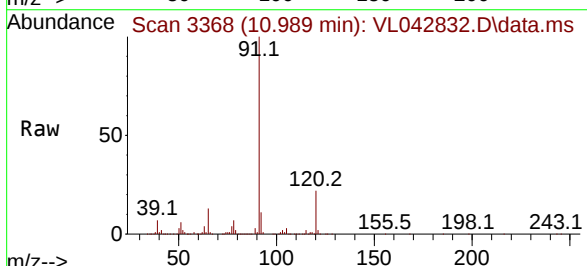
Acq: 11 Aug 2025 08:20

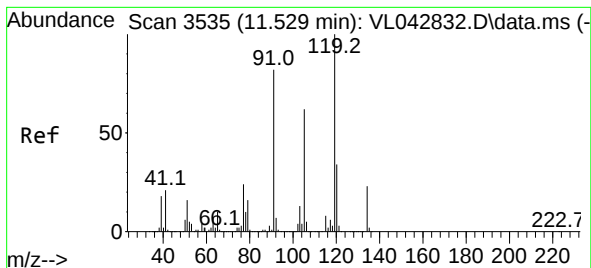
Tgt Ion: 120 Resp: 172858

Ion Ratio Lower Upper

120 100

91 473.7 379.2 568.8





#65

tert-Butylbenzene

Concen: 11.183 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

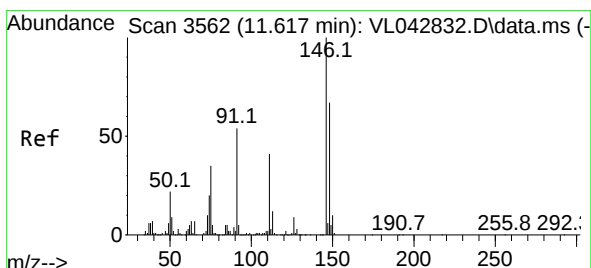
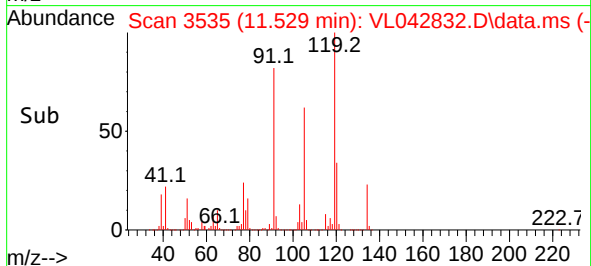
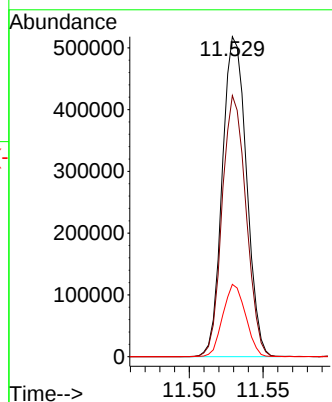
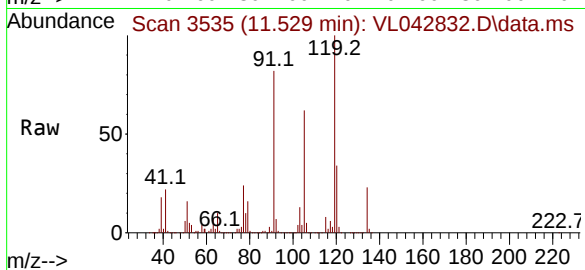
Tgt Ion:119 Resp: 590302

Ion Ratio Lower Upper

119 100

91 80.8 64.6 96.8

134 21.3 17.1 25.7



#66

Benzyl Chloride

Concen: 10.956 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

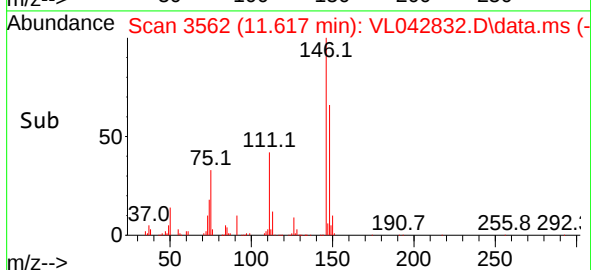
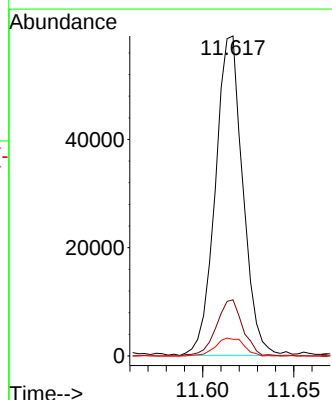
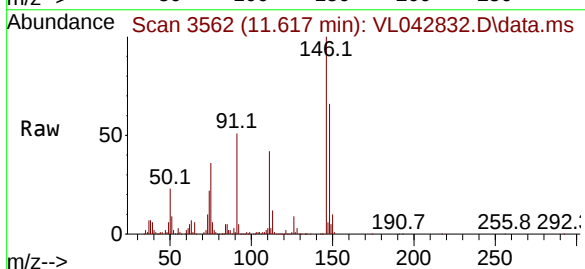
Tgt Ion: 91 Resp: 61914

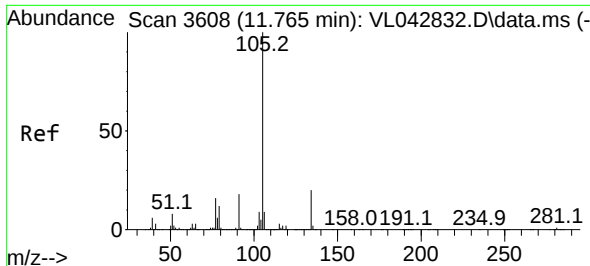
Ion Ratio Lower Upper

91 100

126 17.0 13.6 20.4

128 5.9 4.7 7.1

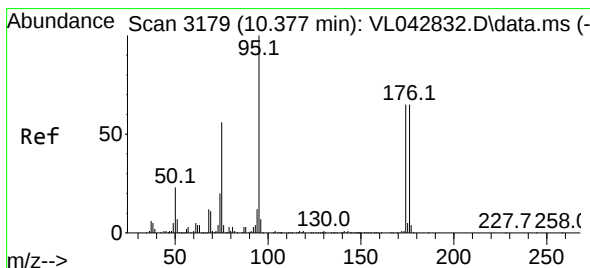
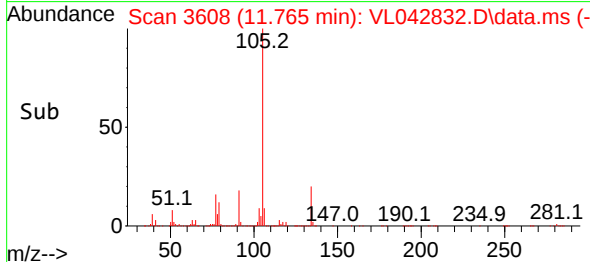
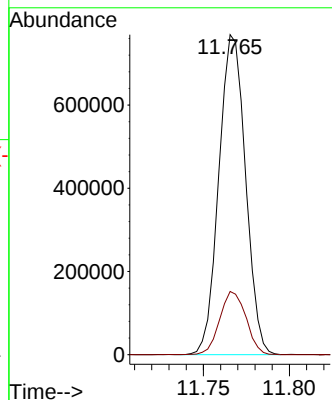
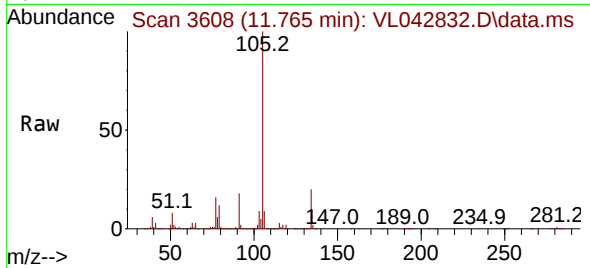




#67
 sec-Butylbenzene
 Concen: 10.646 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

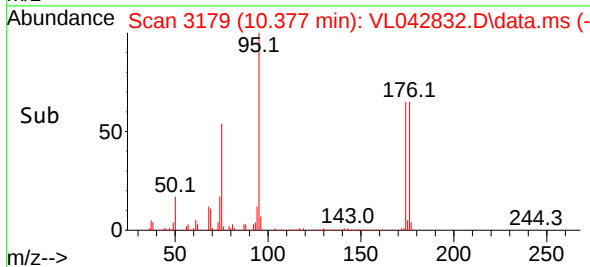
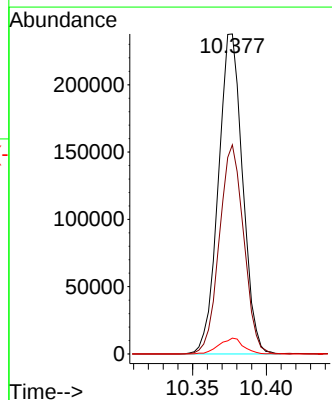
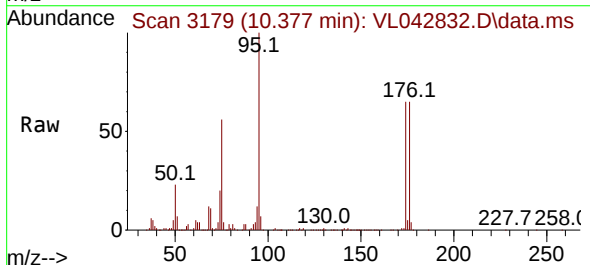
Instrument :
 MSVOA_L
 ClientSampleId :

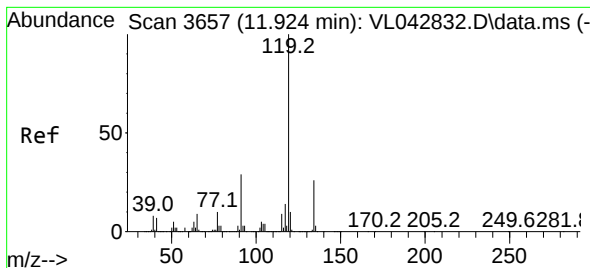
Tgt Ion:105 Resp: 829436
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.550 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion: 95 Resp: 272170
 Ion Ratio Lower Upper
 95 100
 174 65.7 52.6 78.8
 175 4.9 3.9 5.9

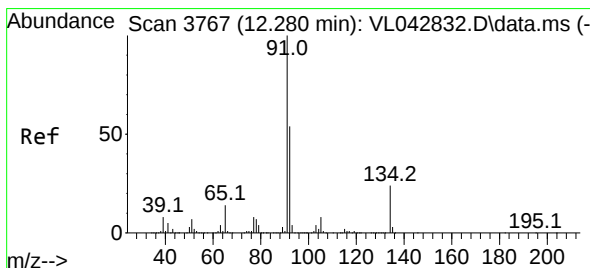
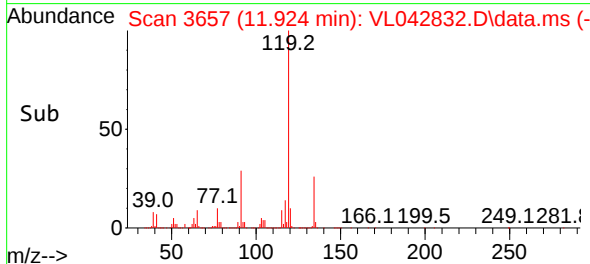
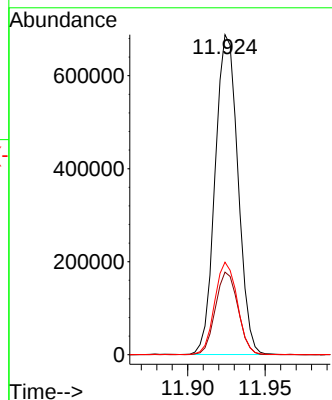
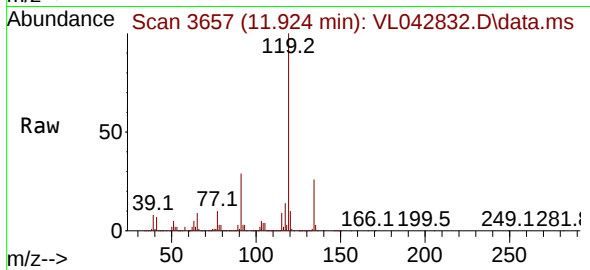




#69
 p-Isopropyltoluene
 Concen: 11.368 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

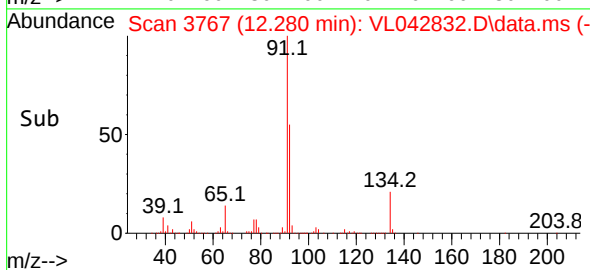
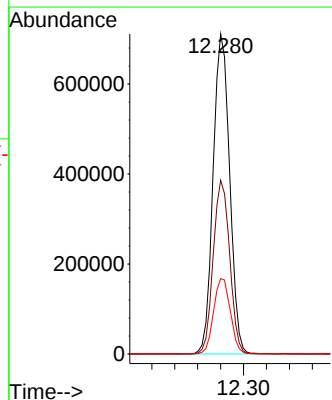
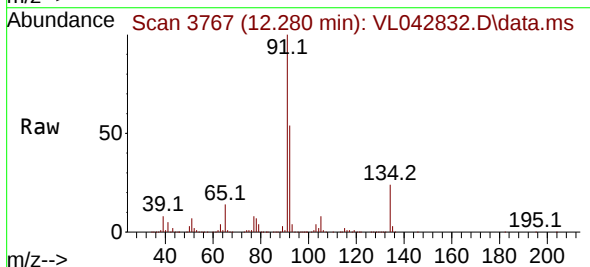
Instrument :
 MSVOA_L
 ClientSampleId :

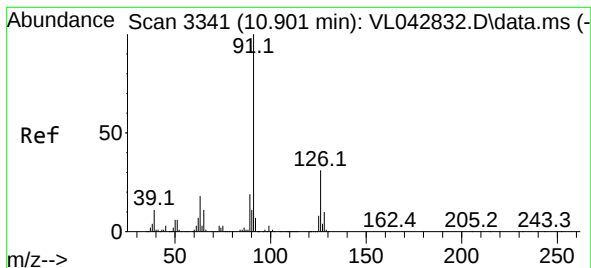
Tgt Ion:119 Resp: 703675
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.5 30.7
 91 28.8 23.2 34.8



#70
 n-Butylbenzene
 Concen: 11.537 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Tgt Ion: 91 Resp: 712027
 Ion Ratio Lower Upper
 91 100
 92 54.0 43.2 64.8
 134 23.8 19.0 28.6

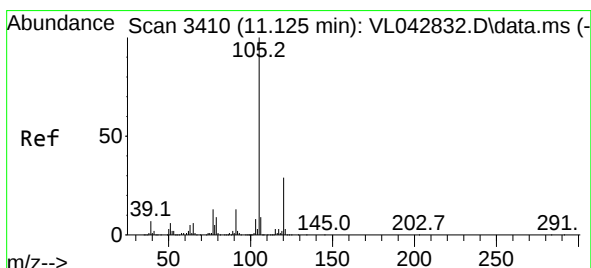
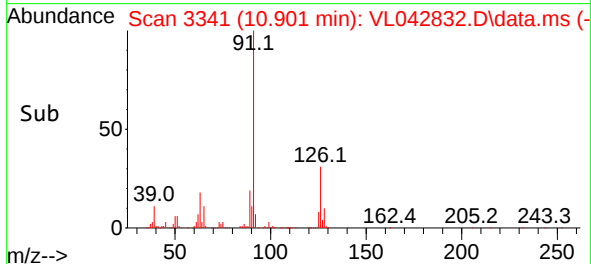
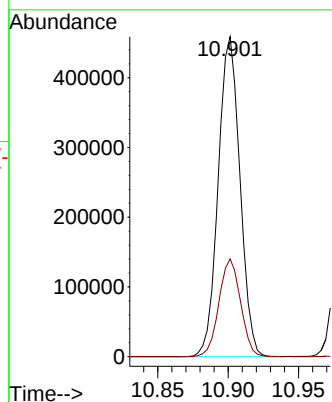
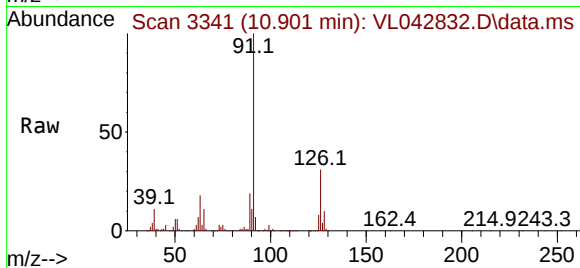




#71
2-Chlorotoluene
Concen: 11.264 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

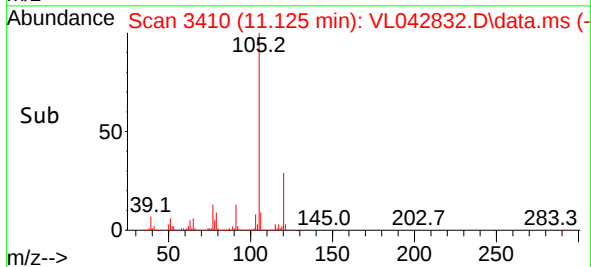
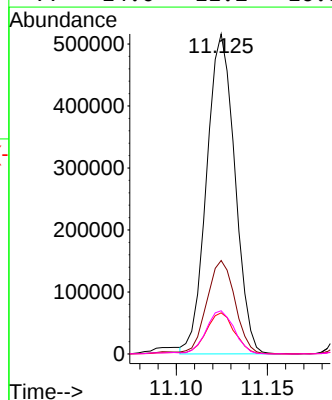
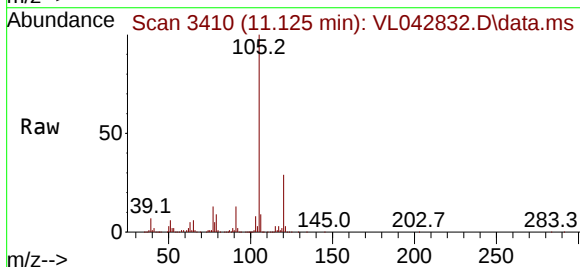
Instrument :
MSVOA_L
ClientSampleId :

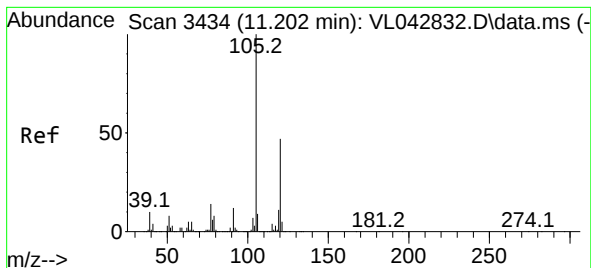
Tgt Ion: 91 Resp: 492965
Ion Ratio Lower Upper
91 100
126 30.4 12.2 48.6



#72
4-Ethyltoluene
Concen: 11.794 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion: 105 Resp: 556424
Ion Ratio Lower Upper
105 100
120 29.9 23.9 35.9
91 13.3 10.7 16.1
77 14.0 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 11.460 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

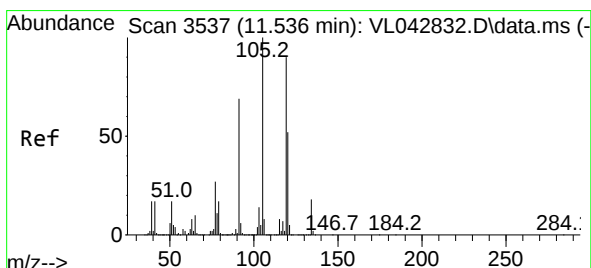
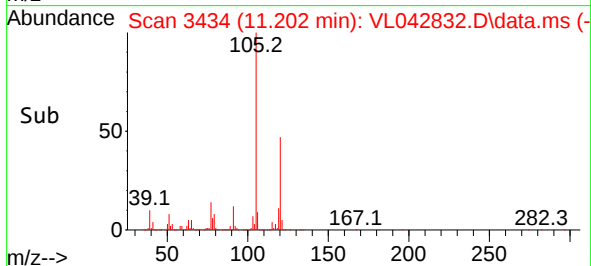
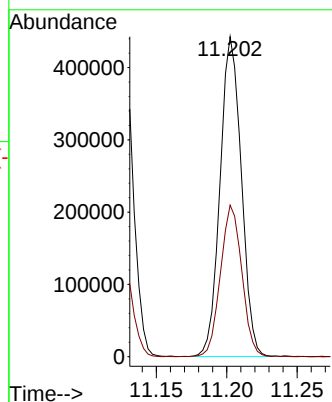
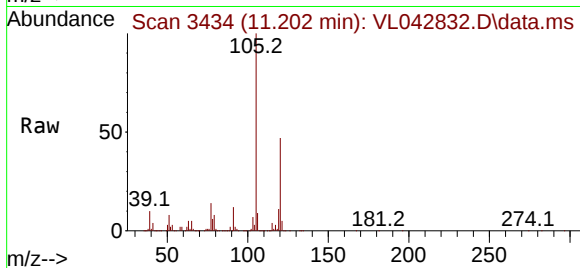
ClientSampleId :

Tgt Ion:105 Resp: 465655

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 10.873 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Tgt Ion:105 Resp: 518513

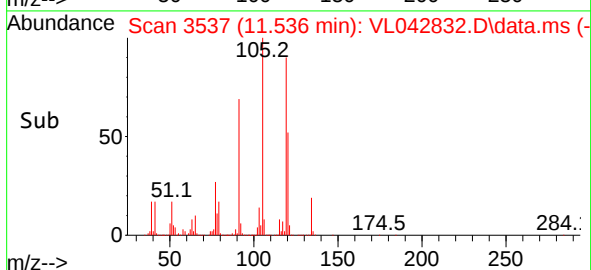
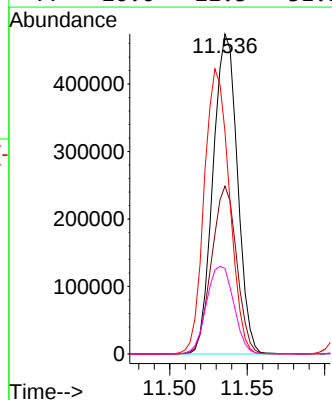
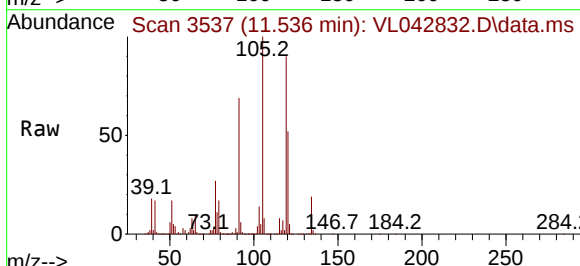
Ion Ratio Lower Upper

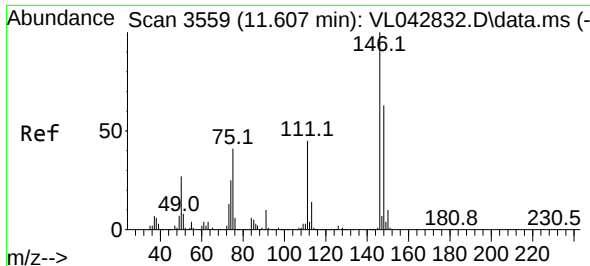
105 100

120 52.4 41.9 62.9

91 69.4 55.5 83.3

77 26.6 21.3 31.9

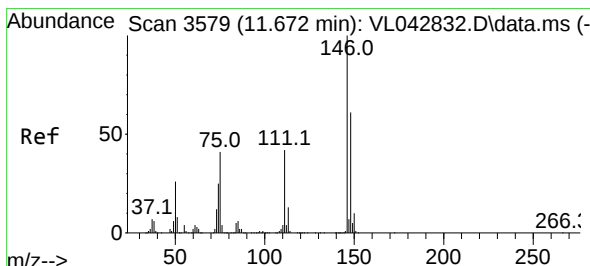
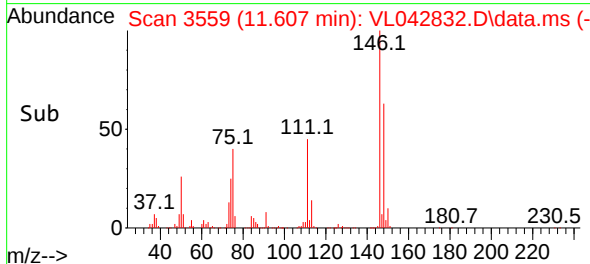
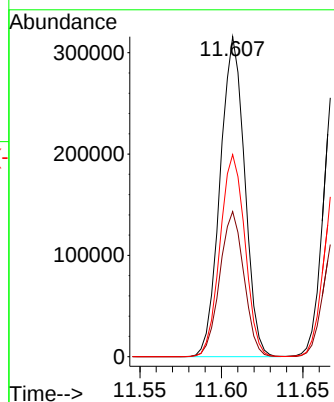
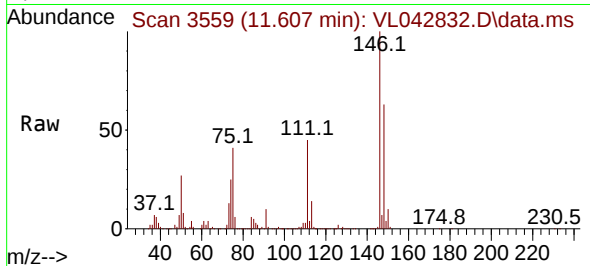




#75
1,3-Dichlorobenzene
Concen: 9.641 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

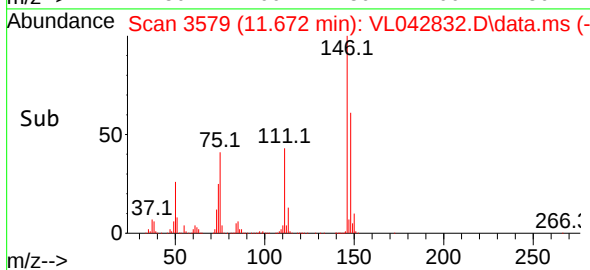
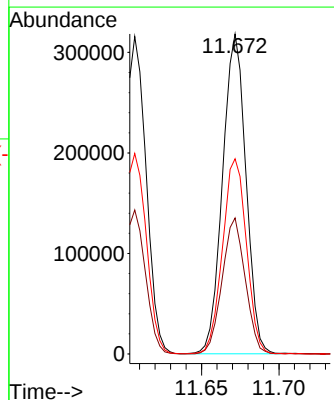
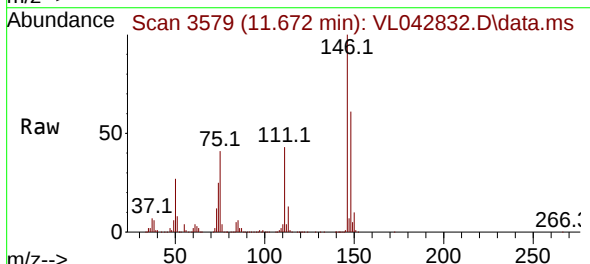
Instrument :
MSVOA_L
ClientSampleId :

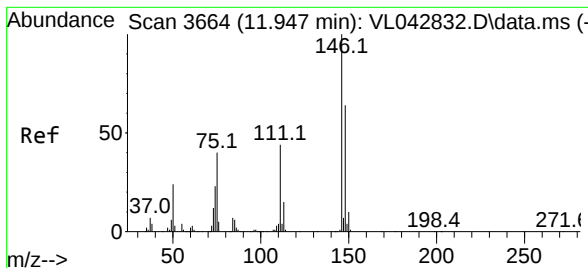
Tgt Ion:146 Resp: 330413
Ion Ratio Lower Upper
146 100
111 44.7 22.4 67.0
148 64.0 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 10.412 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042832.D
Acq: 11 Aug 2025 08:20

Tgt Ion:146 Resp: 333779
Ion Ratio Lower Upper
146 100
111 42.1 21.1 63.1
148 62.6 31.3 93.8





#77

1,2-Dichlorobenzene

Concen: 9.254 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

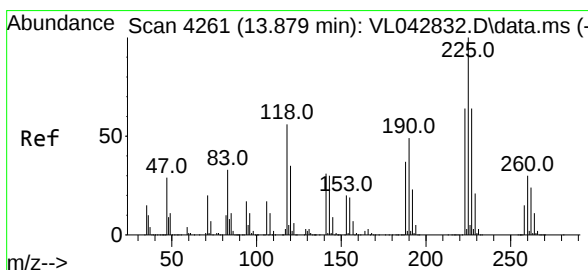
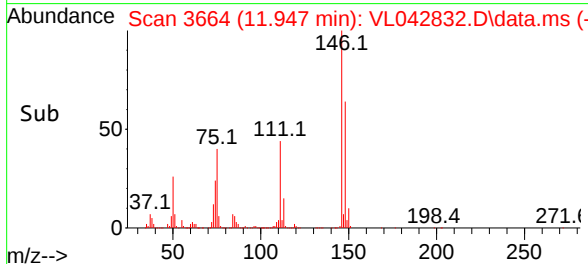
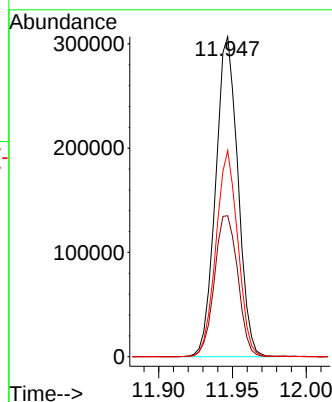
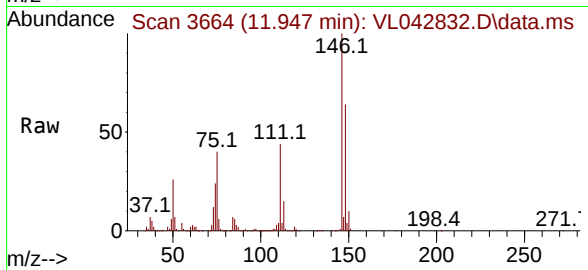
Tgt Ion:146 Resp: 322614

Ion Ratio Lower Upper

146 100

111 46.4 23.2 69.6

148 63.3 31.6 95.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.142 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

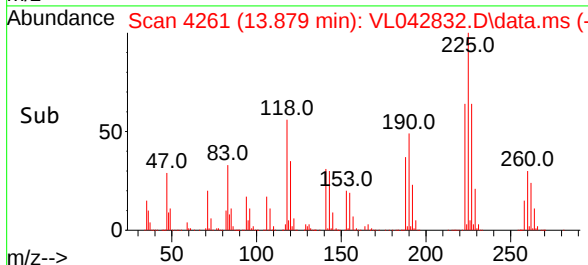
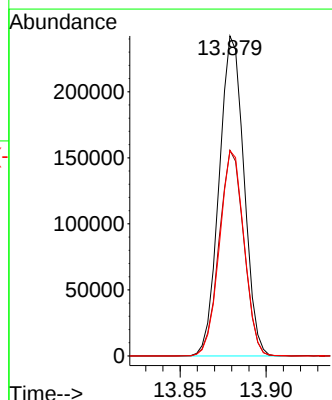
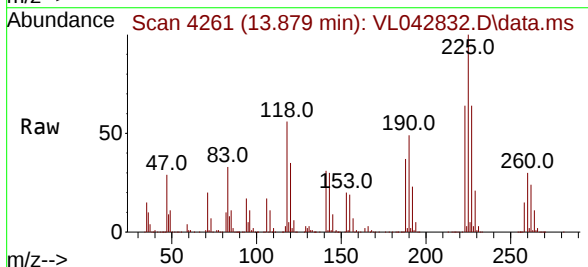
Tgt Ion:225 Resp: 242759

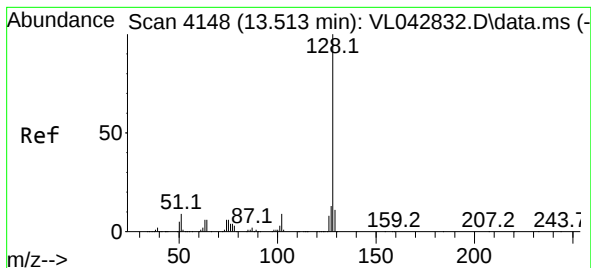
Ion Ratio Lower Upper

225 100

223 64.0 51.1 76.7

227 63.6 50.9 76.3





#79

Naphthalene

Concen: 9.896 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

Instrument :

MSVOA_L

ClientSampleId :

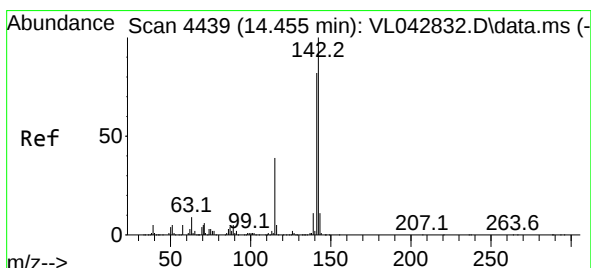
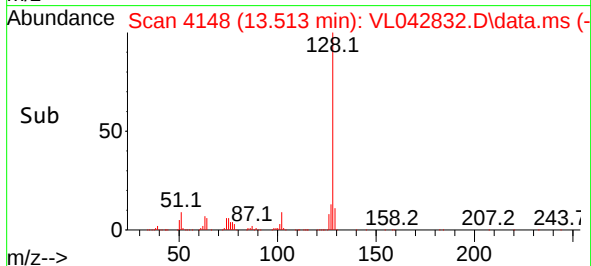
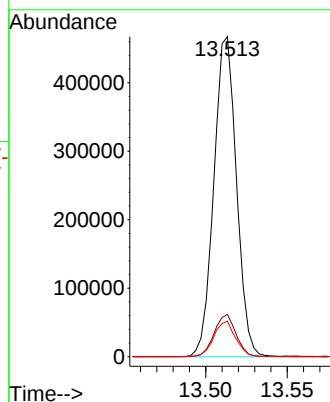
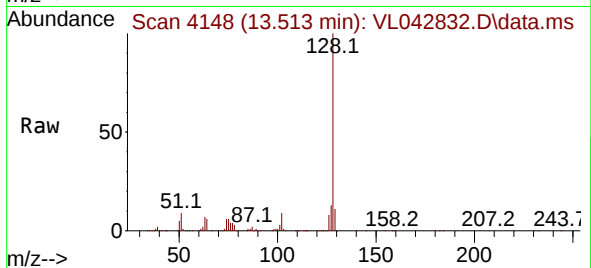
Tgt Ion:128 Resp: 450831

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 12.871 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042832.D

Acq: 11 Aug 2025 08:20

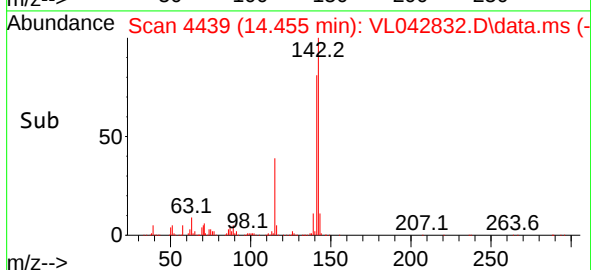
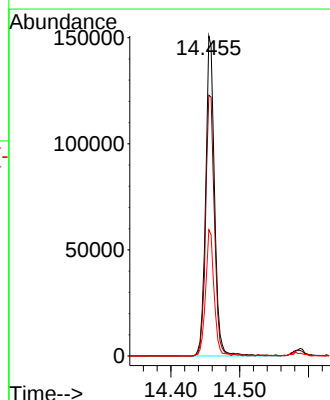
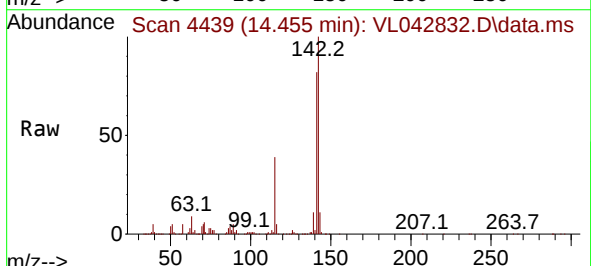
Tgt Ion:142 Resp: 133783

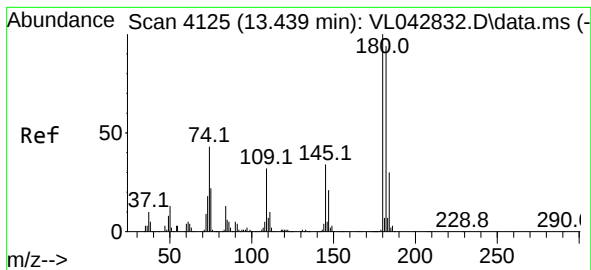
Ion Ratio Lower Upper

142 100

141 82.5 66.4 99.6

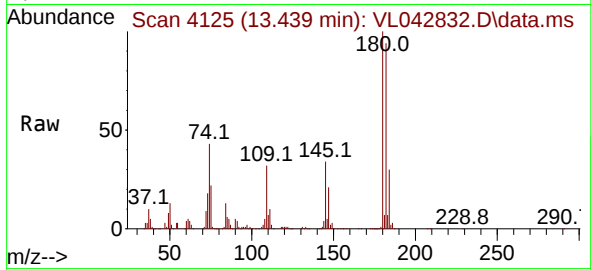
115 38.3 30.8 46.2





#81
 1,2,4-Trichlorobenzene
 Concen: 10.912 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042832.D
 Acq: 11 Aug 2025 08:20

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 247809
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 184 30.0 24.0 36.0

