

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042837.D
 Acq On : 11 Aug 2025 11:32
 Operator : SY/MD
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 02:12:05 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	121993	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	311010	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	262520	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	199540	9.432	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	844	0.049	ppbv #	61
3) Chlorodifluoromethane	1.476	51	992	0.043	ppbv	98
4) Chloromethane	1.534	50	336	0.047	ppbv #	86
5) Vinyl Chloride	1.583	62	128	0.019	ppbv #	76
6) Bromomethane	1.667	94	220	0.086	ppbv #	50
7) Chloroethane	1.703	64	100	0.039	ppbv #	86
8) Dichlorotetrafluoroethane	1.557	85	541	0.038	ppbv	95
9) Propene	1.625	41	225	0.029	ppbv	88
10) Heptane	4.978	43	278	0.015	ppbv #	59
11) Trichlorofluoromethane	1.881	101	724	0.042	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	694	0.051	ppbv	97
13) Ethanol	1.431	45	136250	264.658	ppbv	85
14) Bromoethene	1.784	108	169	0.034	ppbv #	24
15) Acetone	1.835	43	2344	0.137	ppbv #	78
16) 1,3-Butadiene	1.609	39	248	0.033	ppbv #	77
17) tert-Butyl alcohol	2.046	59	464	0.031	ppbv #	84
18) 1,1-Dichloroethene	2.030	96	238	0.041	ppbv #	59
19) Isopropyl Alcohol	1.431	45	136250	14.651	ppbv #	94
20) Methylene Chloride	2.062	84	3476	0.395	ppbv #	89
21) Allyl Chloride	2.094	41	485	0.045	ppbv #	1
22) trans-1,2-Dichloroethene	2.340	96	308	0.047	ppbv #	54
23) Vinyl Acetate	2.457	43	684	0.031	ppbv #	40
24) 1,1-Dichloroethane	2.405	63	246	0.018	ppbv #	88
25) Ethyl Acetate	2.842	43	529	0.014	ppbv #	61
26) Hexane	2.826	57	3984	0.234	ppbv #	43
27) Carbon Disulfide	2.153	76	379	0.025	ppbv #	59
28) Methyl tert-Butyl Ether	2.438	73	165	0.021	ppbv #	52
29) Chloroform	2.849	83	419	0.015	ppbv	92
30) Cyclohexane	3.852	84	165	0.014	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	539	0.033	ppbv #	62
32) 1,1,1-Trichloroethane	3.360	97	643	0.025	ppbv #	38
34) 2-Butanone	2.557	43	754	0.033	ppbv #	54
35) Carbon Tetrachloride	3.758	117	366	0.014	ppbv #	63
36) Benzene	3.654	78	391	0.013	ppbv #	10
37) 1,2-Dichloroethane	3.221	62	771	0.040	ppbv #	95
38) Trichloroethene	4.541	130	400	0.027	ppbv #	25
39) 1,2-Dichloropropane	3.959	63	81793	6.985	ppbv #	17
40) 1,4-Dioxane	4.629	88	46	0.010	ppbv #	1
41) Tetrahydrofuran	3.059	42	60	0.005	ppbv #	39
42) Bromodichloromethane	4.486	83	269	0.010	ppbv #	47
43) Methyl Methacrylate	4.884	69	211	0.022	ppbv #	1
44) 2,2,4-Trimethylpentane	4.635	57	458	0.009	ppbv #	1
45) t-1,3-Dichloropropene	6.412	75	77	0.007	ppbv #	1

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 Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Aug 12 02:12:05 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)
46) cis-1,3-Dichloropropene	5.593	75	93	0.006	ppbv #	37
47) 1,1,2-Trichloroethane	6.580	97	76	0.006	ppbv #	51
48) Dibromochloromethane	7.089	129	35	0.002	ppbv	94
49) Bromoform	9.480	173	568	0.031	ppbv #	88
50) 4-Methyl-2-Pentanone	5.755	43	58	0.002	ppbv #	41
51) 2-Hexanone	7.441	43	74	0.004	ppbv #	31
52) Tetrachloroethene	8.221	164	126	0.011	ppbv #	20
53) Toluene	6.927	91	508	0.018	ppbv #	21
54) 1,2-Dibromoethane	7.655	107	348	0.020	ppbv #	13
56) 1,1,1,2-Tetrachloroethane	8.921	131	191	0.012	ppbv #	1
57) Chlorobenzene	8.921	112	371	0.013	ppbv #	51
58) Ethyl Benzene	9.354	91	570	0.015	ppbv	92
59) m/p-Xylene	9.552	91	544	0.017	ppbv #	100
60) o-Xylene	9.972	91	190	0.006	ppbv	80
61) Styrene	9.869	104	187	0.635	ppbv #	44
62) Isopropylbenzene	10.539	105	957	0.020	ppbv #	61
63) 1,1,2,2-Tetrachloroethane	9.956	83	287	0.012	ppbv #	25
64) n-propylbenzene	10.995	120	237	0.019	ppbv	88
65) tert-Butylbenzene	11.526	119	266	0.006	ppbv #	1
66) Benzyl Chloride	11.591	91	12	0.003	ppbv #	66
67) sec-Butylbenzene	11.532	105	705	0.011	ppbv	98
69) p-Isopropyltoluene	11.921	119	633	0.012	ppbv #	77
70) n-Butylbenzene	12.283	91	732	0.014	ppbv #	73
71) 2-Chlorotoluene	10.898	91	639	0.018	ppbv	79
72) 4-Ethyltoluene	11.128	105	419	0.011	ppbv #	74
73) 1,3,5-Trimethylbenzene	11.199	105	270	0.008	ppbv #	68
74) 1,2,4-Trimethylbenzene	11.532	105	705	0.018	ppbv #	80
75) 1,3-Dichlorobenzene	11.604	146	535	0.019	ppbv	83
76) 1,4-Dichlorobenzene	11.668	146	339	0.013	ppbv #	80
77) 1,2-Dichlorobenzene	11.947	146	520	0.018	ppbv	87
78) Hexachloro-1,3-Butadiene	13.882	225	739	0.030	ppbv #	85
79) Naphthalene	13.510	128	133	0.010	ppbv #	69
80) Naphthalene,2-methyl-	14.429	142	29	0.003	ppbv #	12
81) 1,2,4-Trichlorobenzene	13.439	180	120	0.006	ppbv #	73

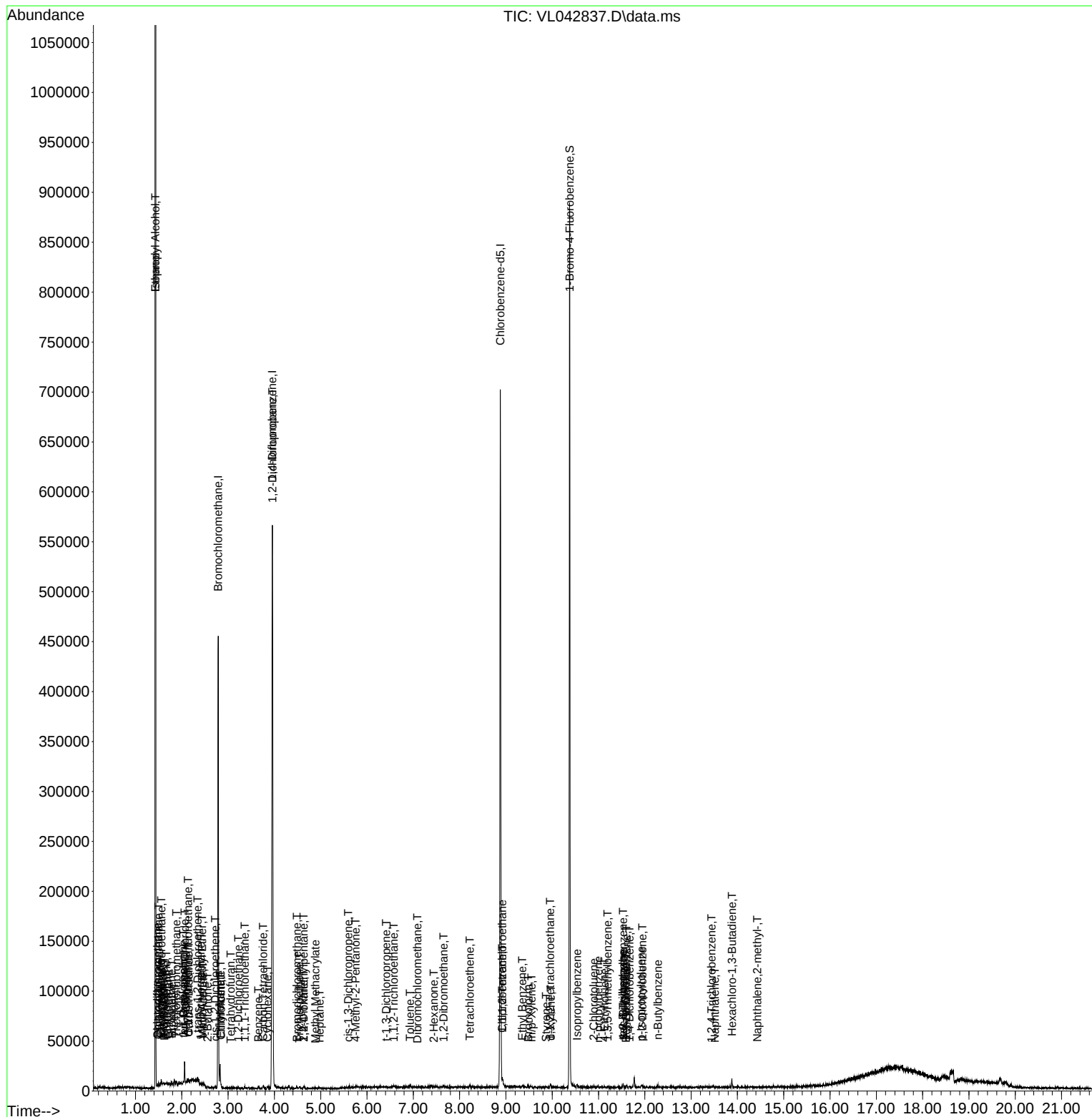
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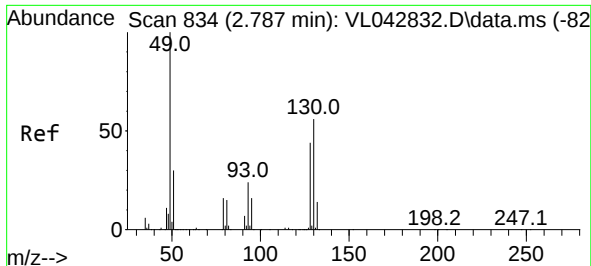
Instrument :

MSVOA L

ClientSampleId :

Response via : Initial Calibration

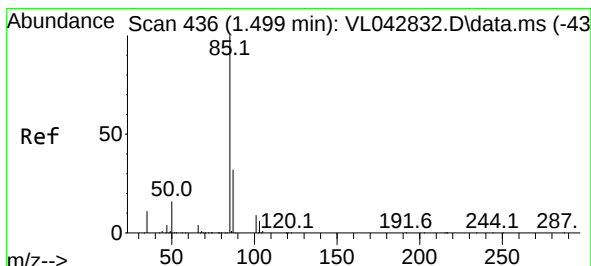
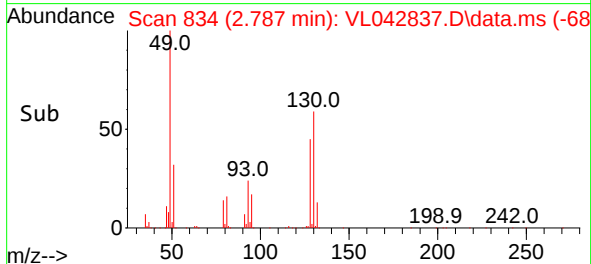
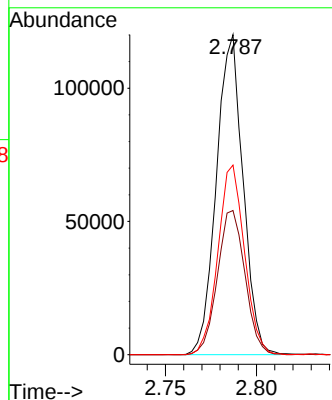
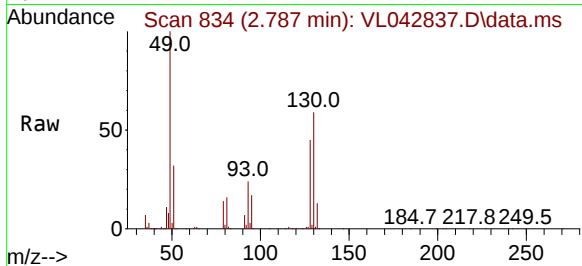




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

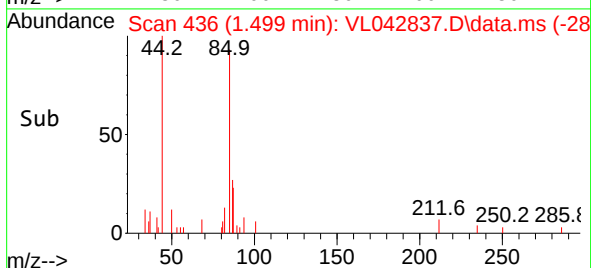
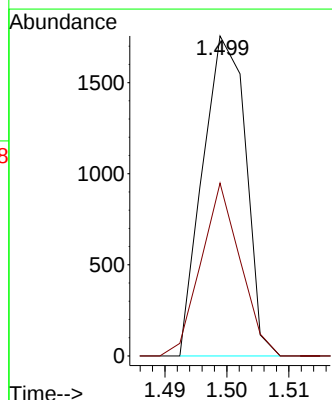
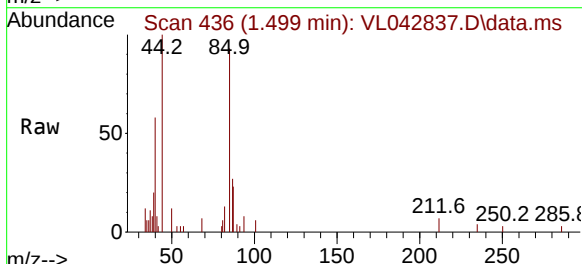
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MSVOA_L
ClientSampleId :

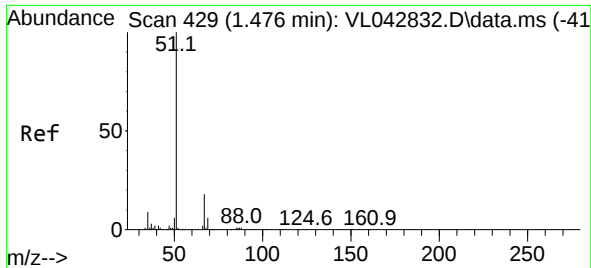
Tgt Ion: 49 Resp: 121993
Ion Ratio Lower Upper
49 100
128 46.7 23.2 69.6
130 59.2 29.0 87.1



#2
Dichlorodifluoromethane
Concen: 0.049 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 85 Resp: 844
Ion Ratio Lower Upper
85 100
87 54.0 25.9 38.9

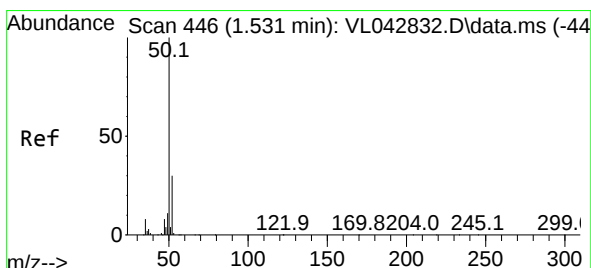
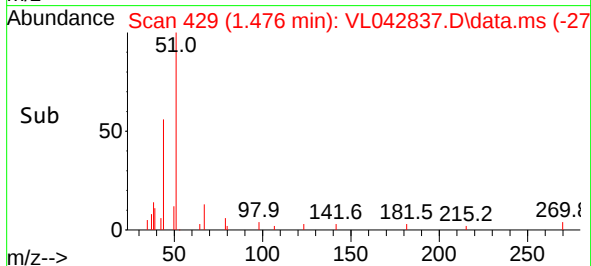
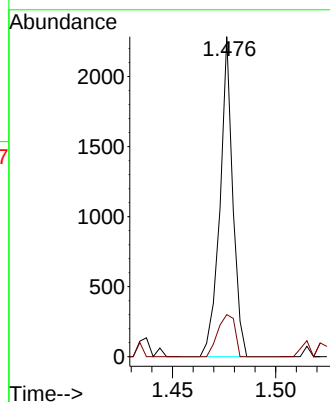
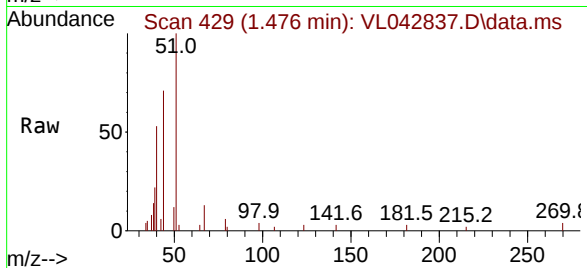




#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

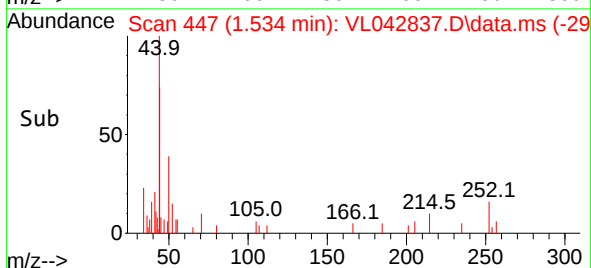
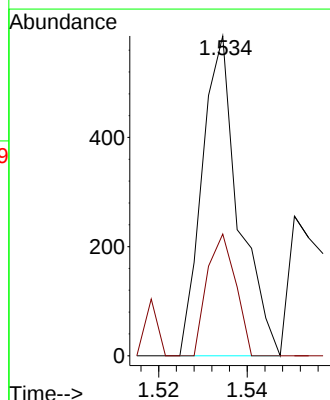
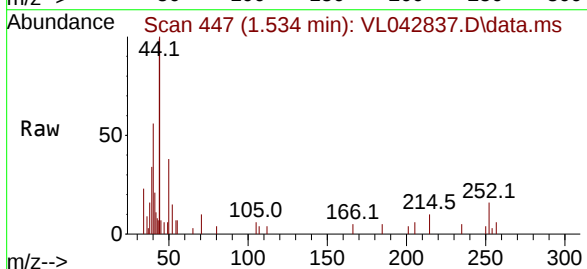
Instrument :
MSVOA_L
ClientSampleId :

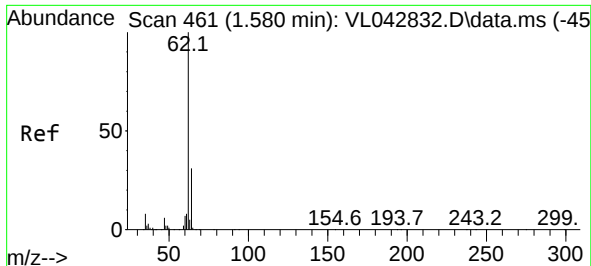
Tgt Ion: 51 Resp: 992
Ion Ratio Lower Upper
51 100
67 17.3 14.7 22.1



#4
Chloromethane
Concen: 0.047 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 38.1 24.3 36.5#

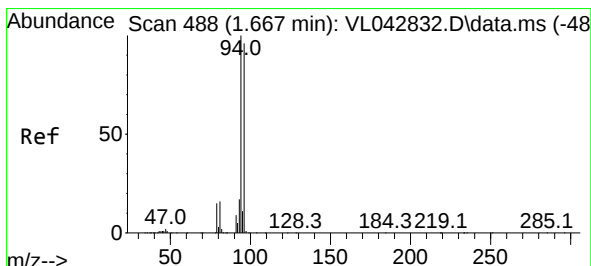
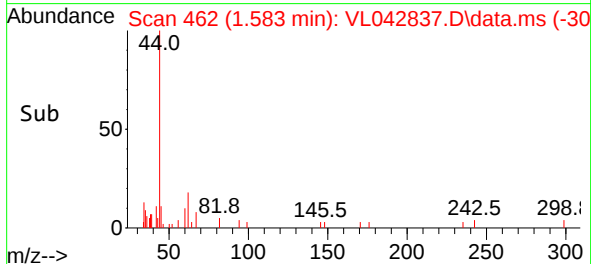
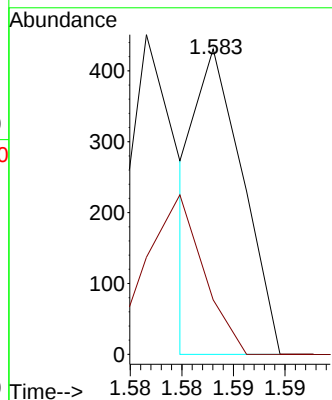
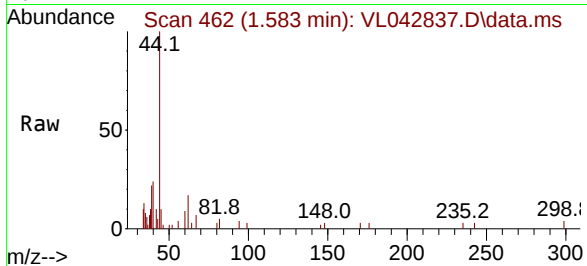




#5
 Vinyl Chloride
 Concen: 0.019 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

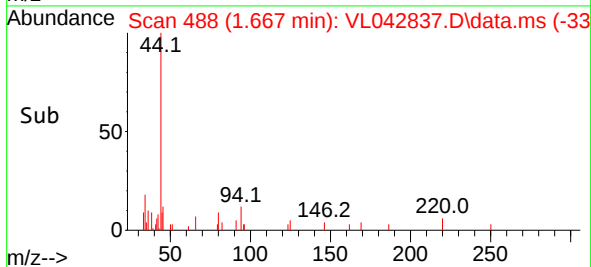
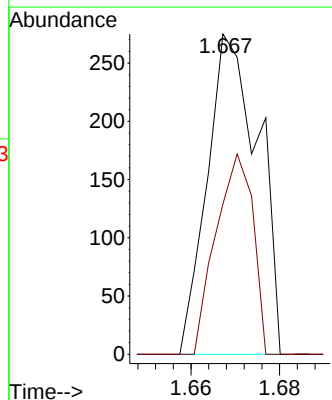
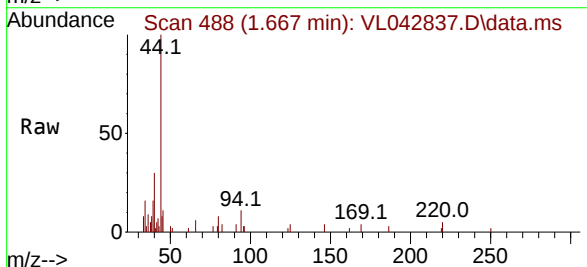
Instrument :
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 ClientSampleId :

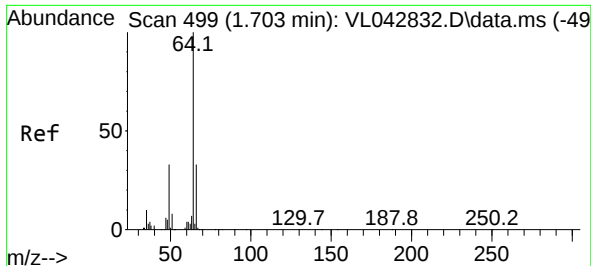
Tgt Ion: 62 Resp: 128
 Ion Ratio Lower Upper
 62 100
 64 17.9 24.9 37.3#



#6
 Bromomethane
 Concen: 0.086 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

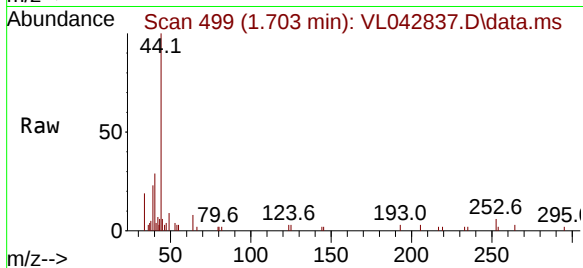
Tgt Ion: 94 Resp: 220
 Ion Ratio Lower Upper
 94 100
 96 46.9 76.2 114.4#



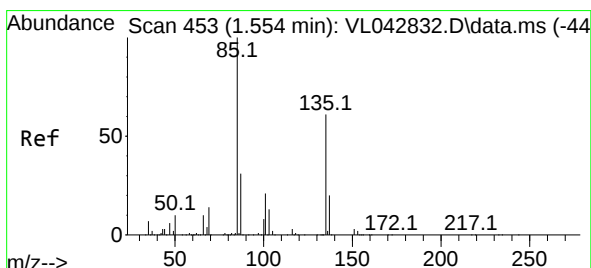
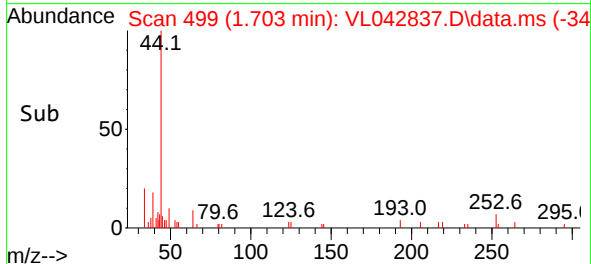
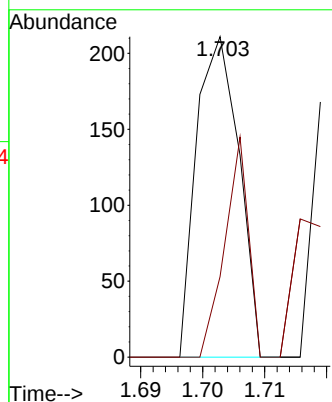


#7
Chloroethane
Concen: 0.039 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Instrument :
MSVOA_L
ClientSampleId :

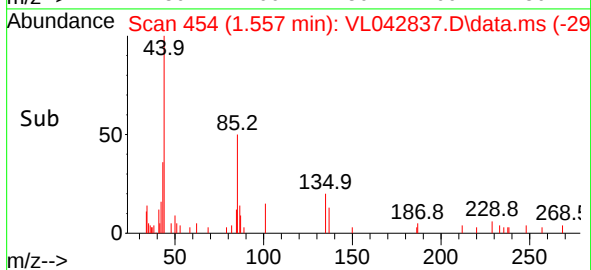
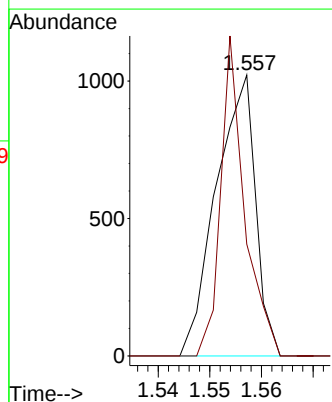
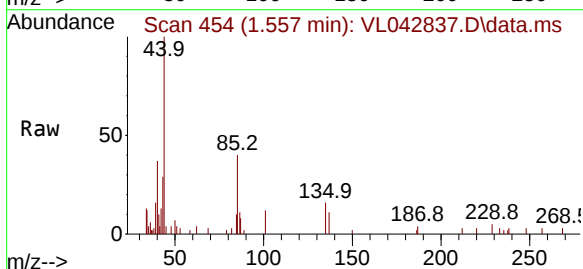


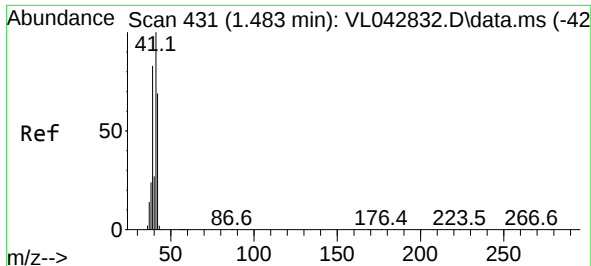
Tgt Ion: 64 Resp: 100
Ion Ratio Lower Upper
64 100
66 25.1 26.6 40.0#



#8
Dichlorotetrafluoroethane
Concen: 0.038 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 85 Resp: 541
Ion Ratio Lower Upper
85 100
135 68.9 51.8 77.8

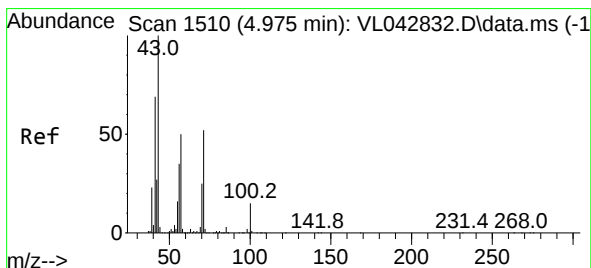
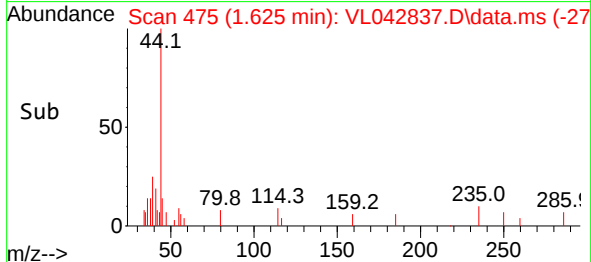
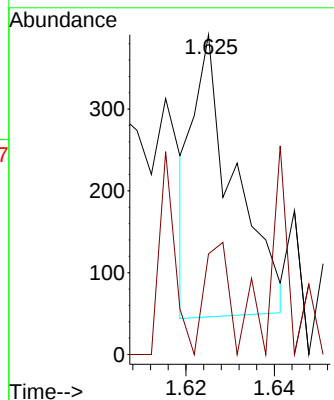
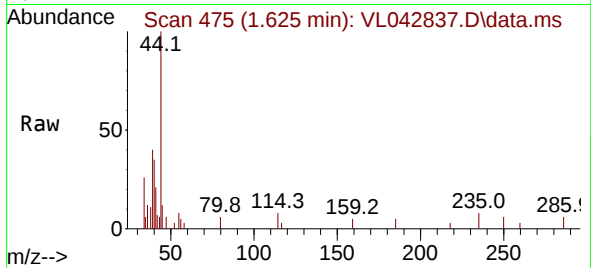




#9
Propene
Concen: 0.029 ppbv
RT: 1.625 min Scan# 41
Delta R.T. 0.142 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

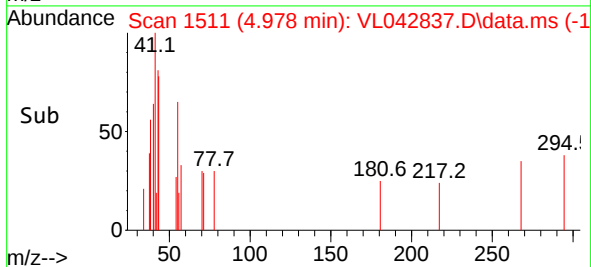
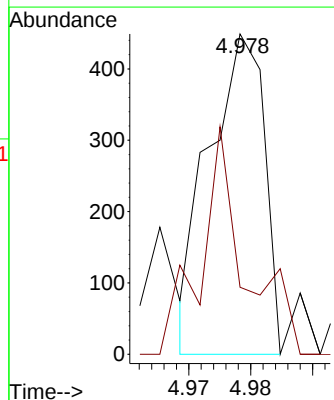
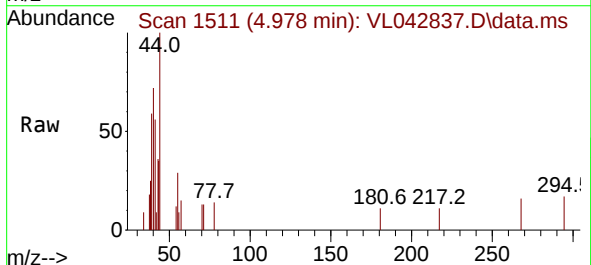
Instrument :
MSVOA_L
ClientSampleId :

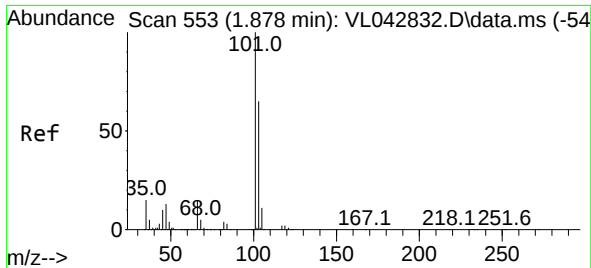
Tgt Ion: 41 Resp: 225
Ion Ratio Lower Upper
41 100
42 78.7 55.4 83.0



#10
Heptane
Concen: 0.015 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
57 76.3 38.7 58.1#

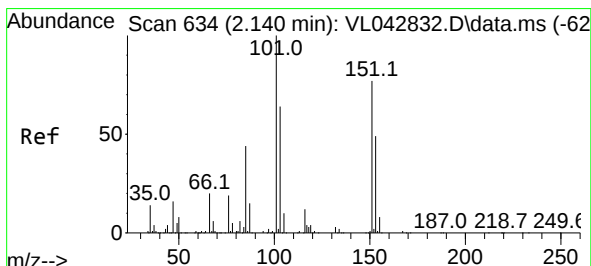
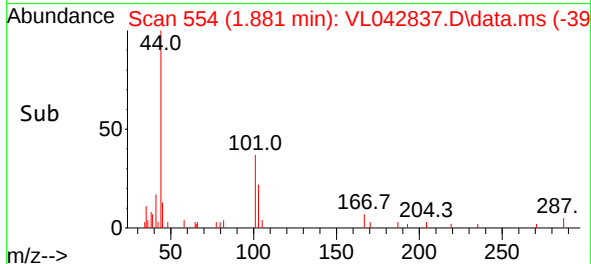
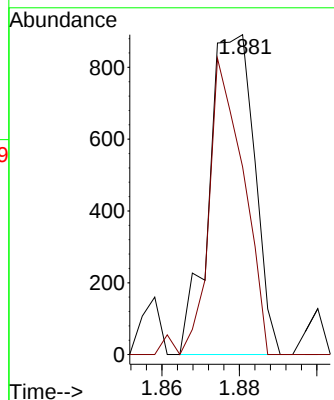
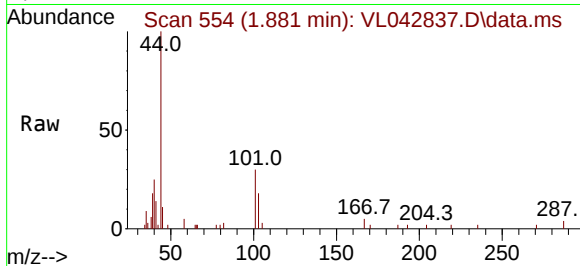




#11
 Trichlorofluoromethane
 Concen: 0.042 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

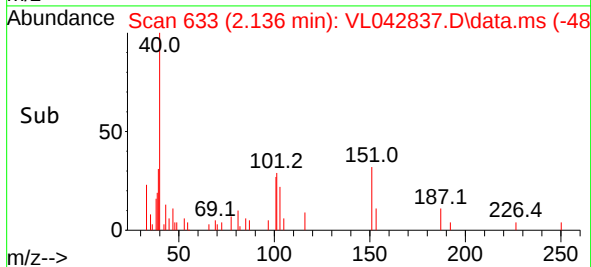
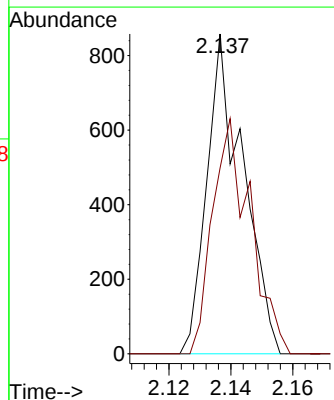
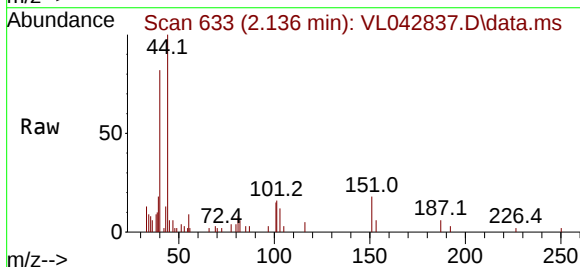
Instrument :
 MSVOA_L
 ClientSampleId :

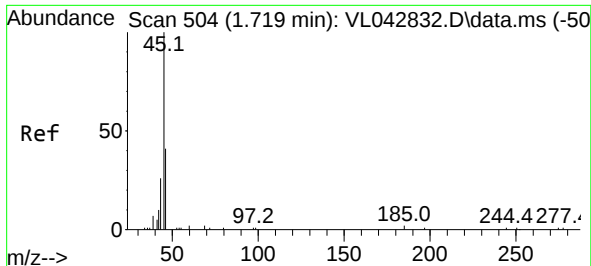
Tgt Ion:101 Resp: 724
 Ion Ratio Lower Upper
 101 100
 103 58.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.051 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

Tgt Ion:101 Resp: 694
 Ion Ratio Lower Upper
 101 100
 151 76.9 59.3 88.9

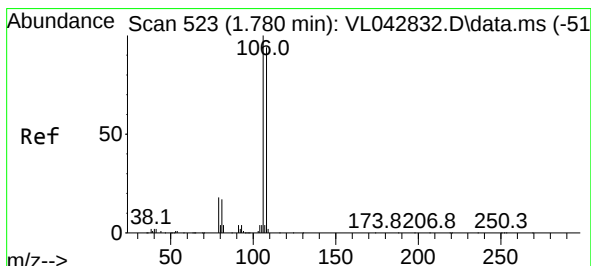
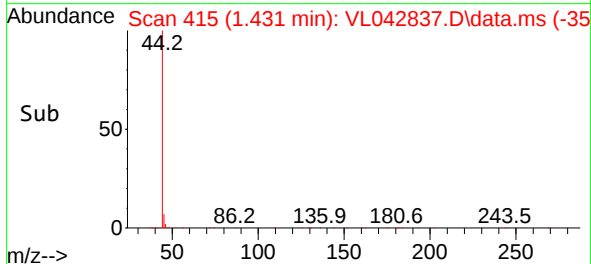
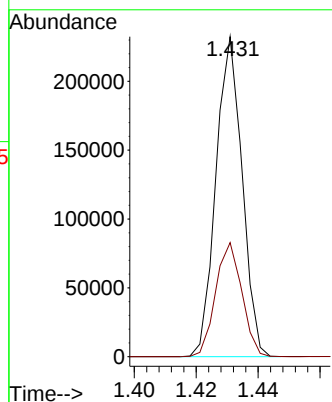
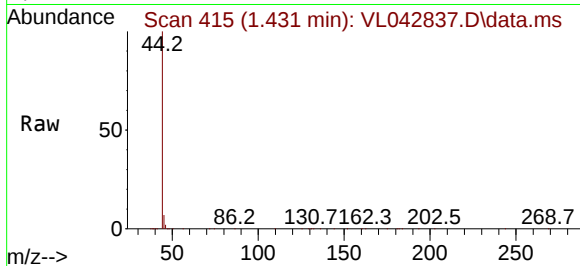




#13
Ethanol
Concen: 264.658 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.288 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

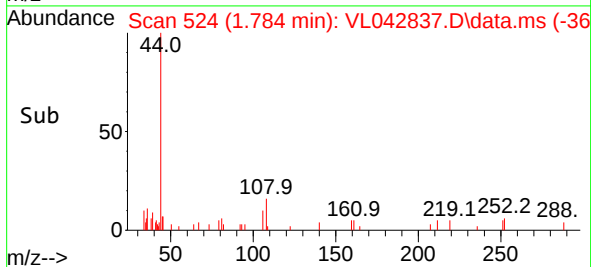
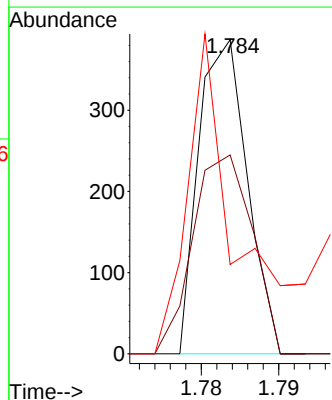
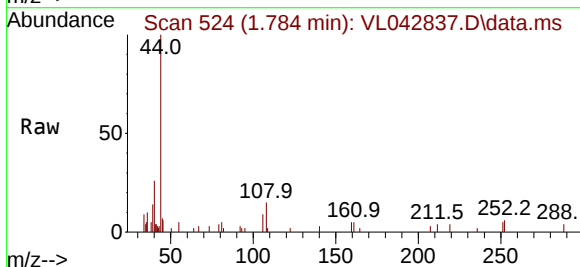
Instrument :
MSVOA_L
ClientSampleId :

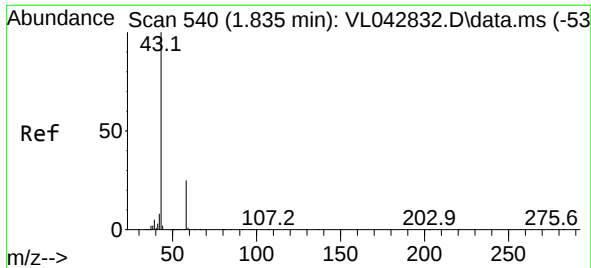
Tgt Ion: 45 Resp: 136250
Ion Ratio Lower Upper
45 100
46 35.8 18.1 72.5



#14
Bromoethene
Concen: 0.034 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 108 Resp: 169
Ion Ratio Lower Upper
108 100
106 77.5 82.6 123.8#
79 176.9 15.9 23.9#

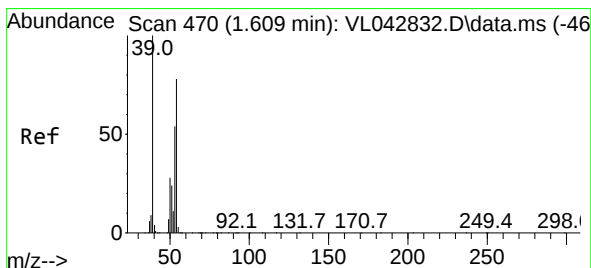
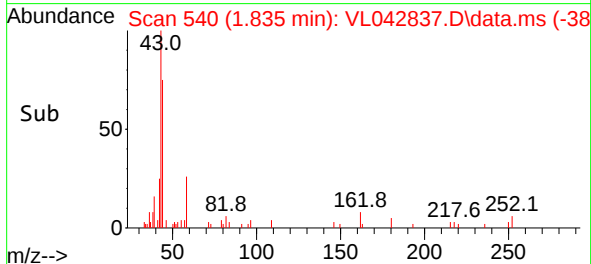
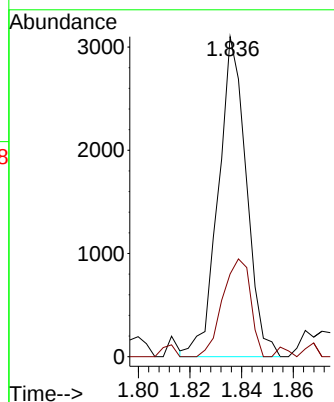
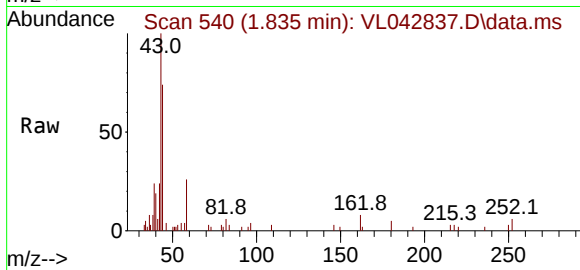




#15
Acetone
Concen: 0.137 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

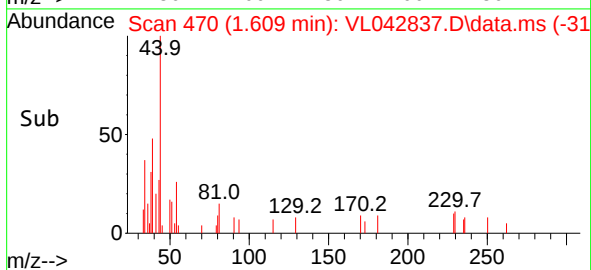
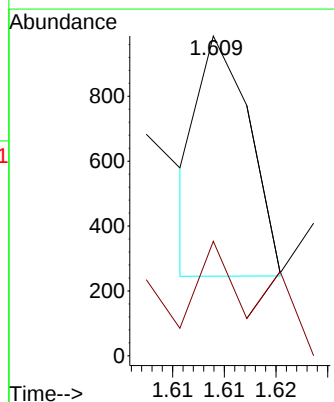
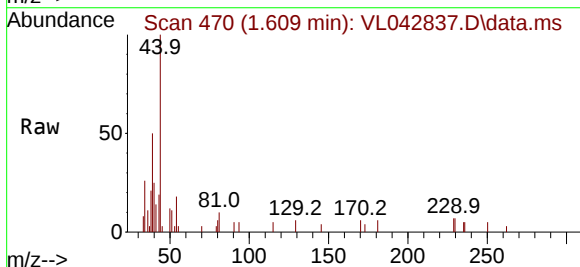
Instrument :
MSVOA_L
ClientSampleId :

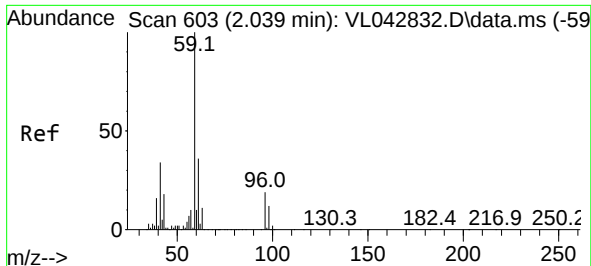
Tgt Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
58 35.2 19.5 29.3#



#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 39 Resp: 248
Ion Ratio Lower Upper
39 100
54 85.9 54.1 81.1#





#17

tert-Butyl alcohol

Concen: 0.031 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.006 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

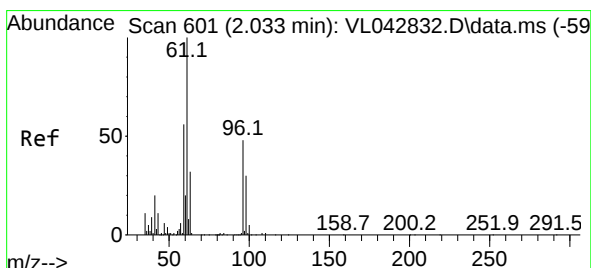
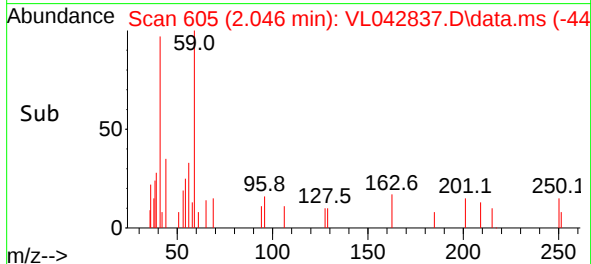
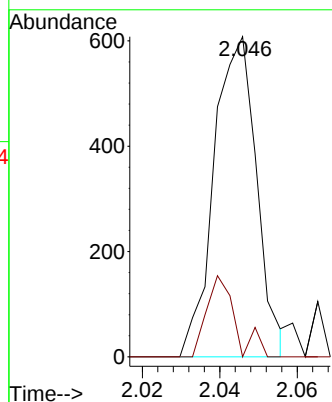
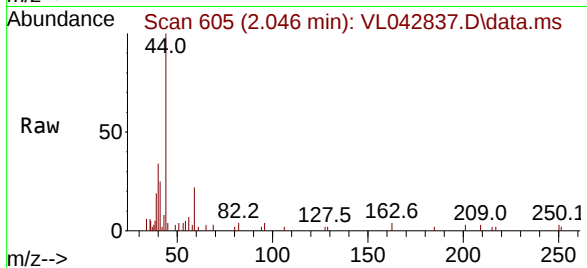
ClientSampleId :

Tgt Ion: 59 Resp: 464

Ion Ratio Lower Upper

59 100

57 17.0 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.041 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

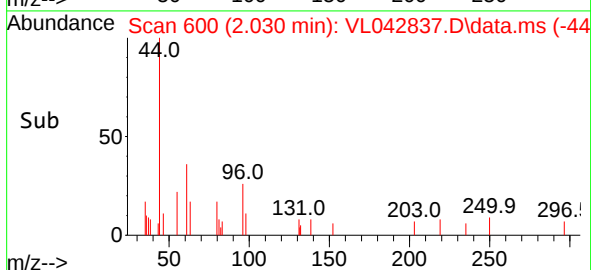
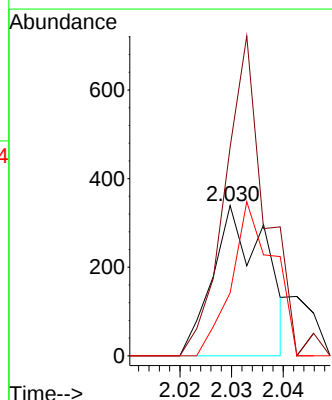
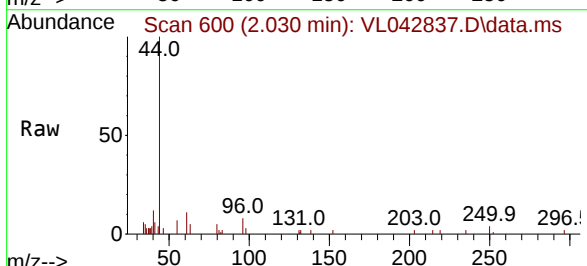
Tgt Ion: 96 Resp: 238

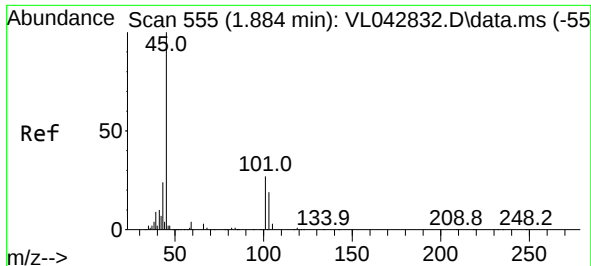
Ion Ratio Lower Upper

96 100

61 138.9 167.9 251.9#

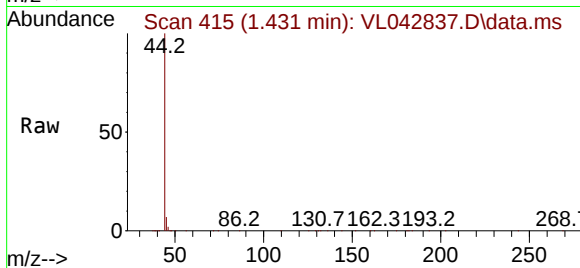
98 41.9 49.6 74.4#



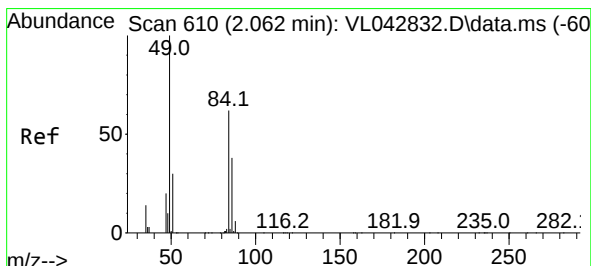
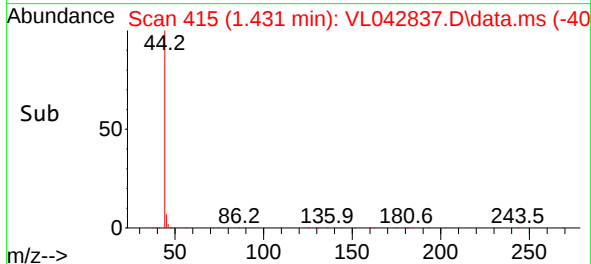
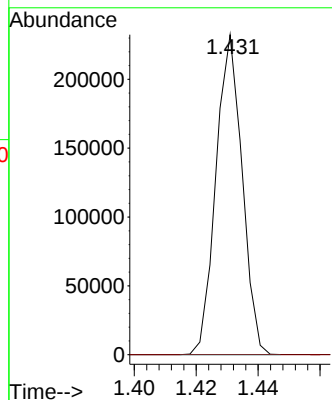


#19
Isopropyl Alcohol
Concen: 14.651 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.453 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Instrument :
MSVOA_L
ClientSampleId :

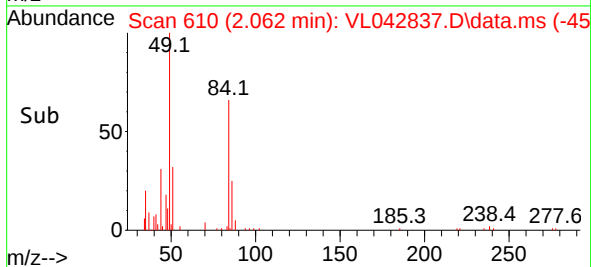
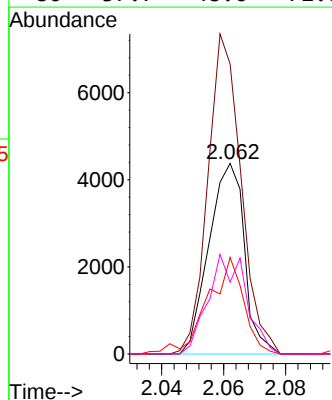
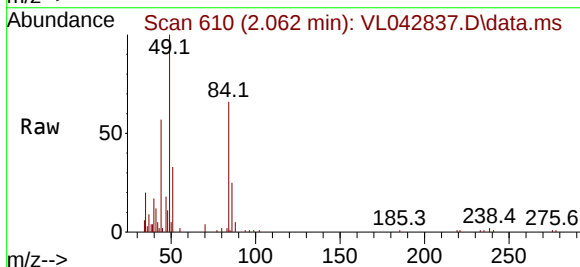


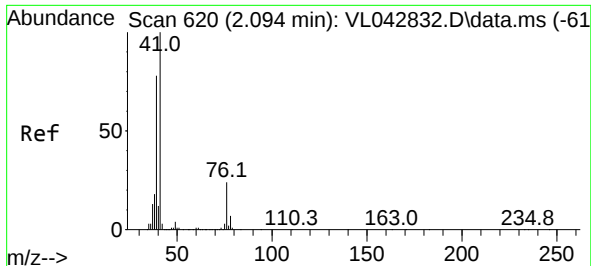
Tgt Ion: 45 Resp: 136250
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#



#20
Methylene Chloride
Concen: 0.395 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 84 Resp: 3476
Ion Ratio Lower Upper
84 100
49 152.2 129.3 193.9
51 50.6 41.1 61.7
86 37.7 48.6 72.8#

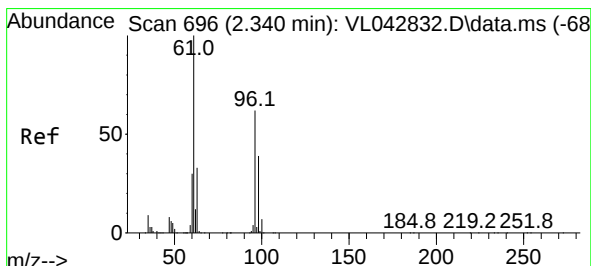
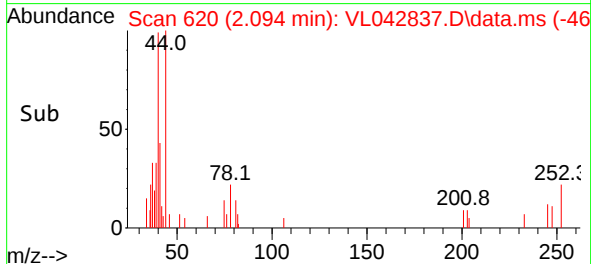
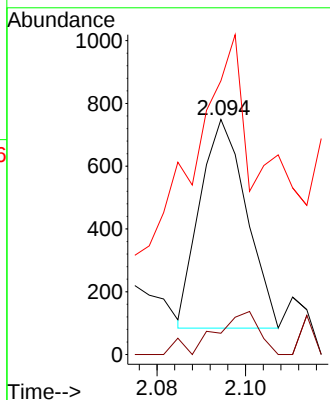
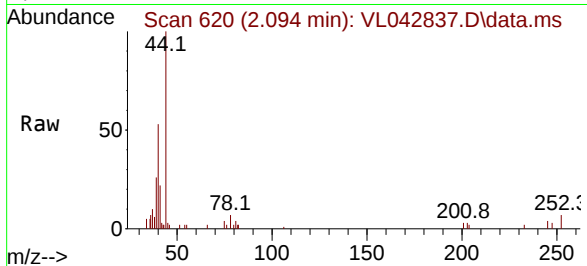




#21
 Allyl Chloride
 Concen: 0.045 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

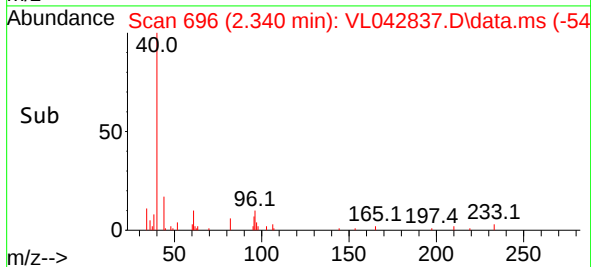
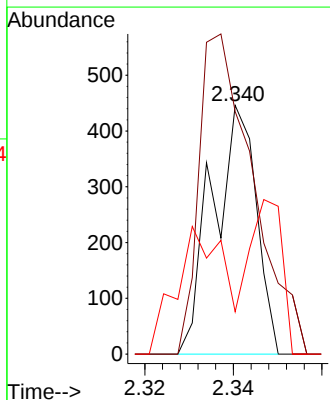
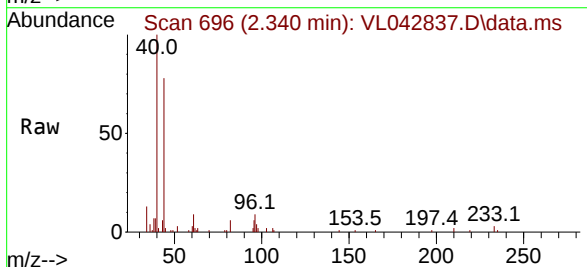
Instrument :
 MSVOA_L
 ClientSampleId :

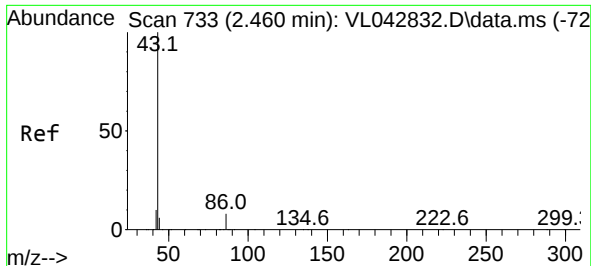
Tgt Ion: 41 Resp: 485
 Ion Ratio Lower Upper
 41 100
 76 25.2 20.4 30.6
 39 279.4 66.2 99.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.047 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

Tgt Ion: 96 Resp: 308
 Ion Ratio Lower Upper
 96 100
 61 117.9 128.1 192.1#
 98 0.0 50.2 75.4#

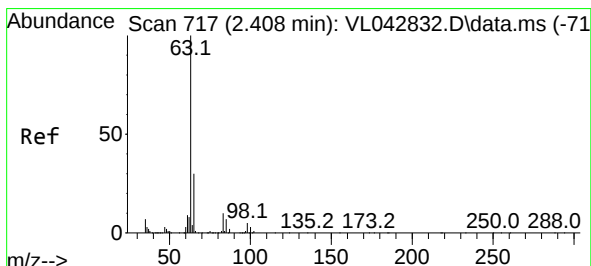
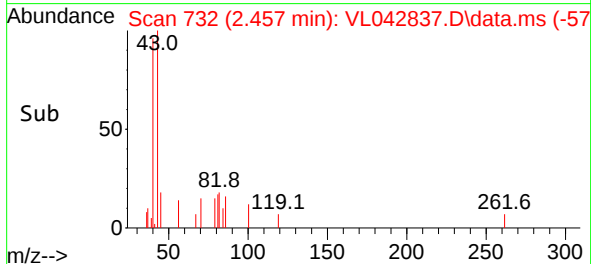
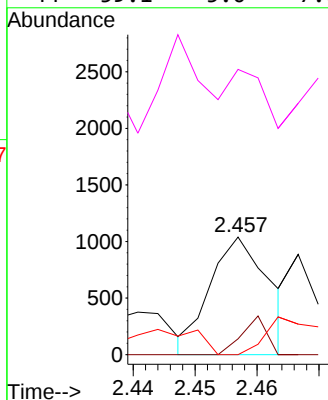
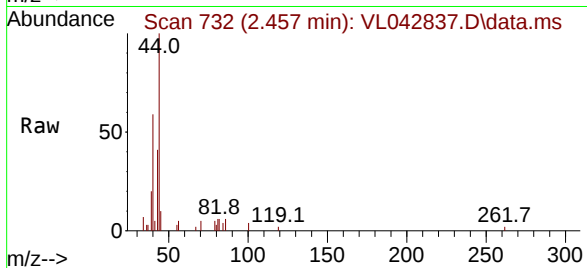




#23
 Vinyl Acetate
 Concen: 0.031 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

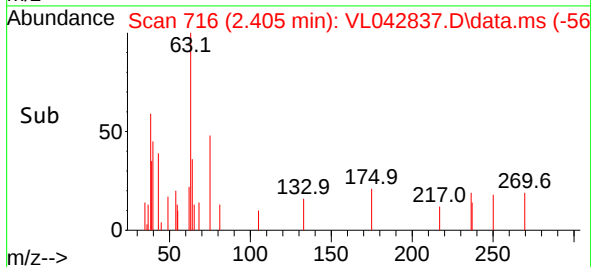
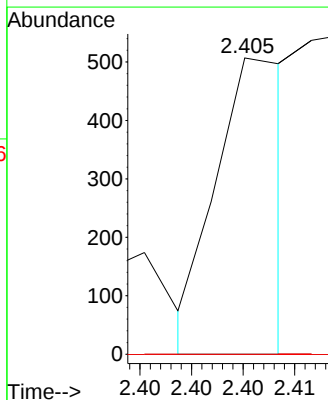
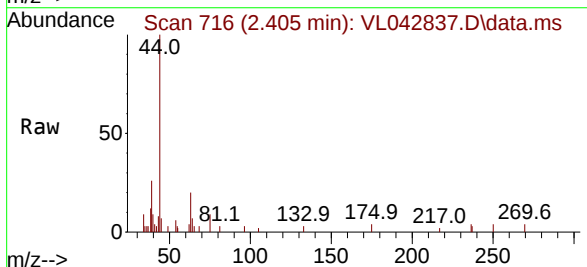
Instrument :
 MSVOA_L
 ClientSampleId :

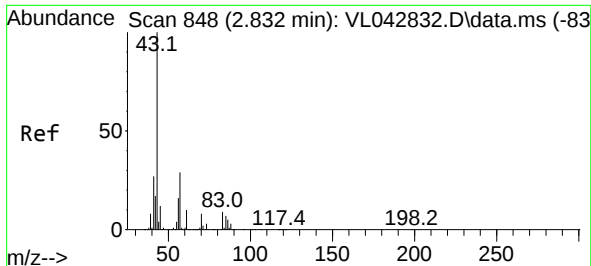
Tgt Ion: 43	Resp: 684
Ion Ratio	Lower Upper
43 100	
86 15.9	6.0 9.0#
42 0.0	8.5 12.7#
44 59.1	5.0 7.6#



#24
 1,1-Dichloroethane
 Concen: 0.018 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042837.D
 Acq: 11 Aug 2025 11:32

Tgt Ion: 63	Resp: 246
Ion Ratio	Lower Upper
63 100	
98 0.0	2.4 7.1#
100 0.0	1.6 4.7#





#25

Ethyl Acetate

Concen: 0.014 ppbv

RT: 2.842 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 529

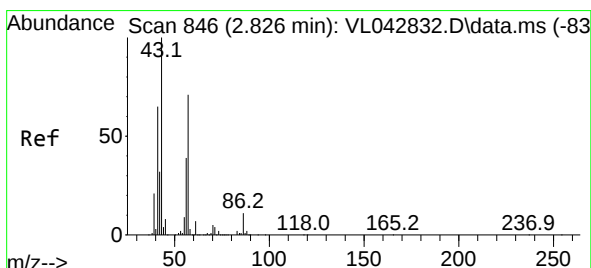
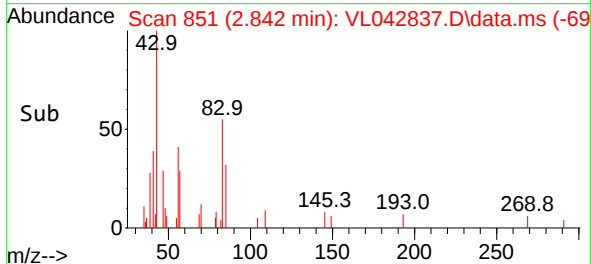
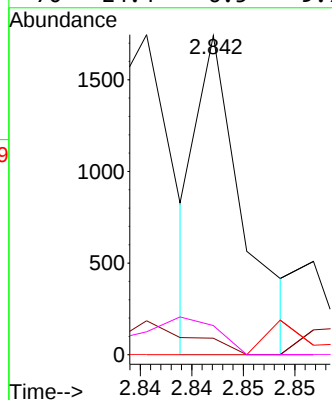
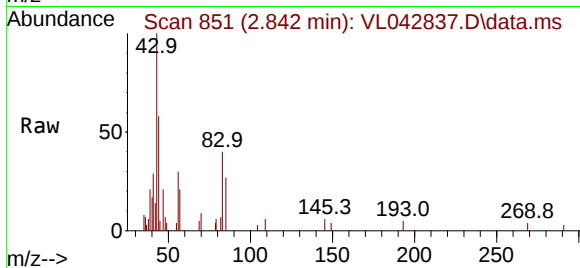
Ion Ratio Lower Upper

43 100

45 26.8 7.8 11.8#

61 0.0 7.0 10.6#

70 24.4 6.5 9.7#



#26

Hexane

Concen: 0.234 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion: 57 Resp: 3984

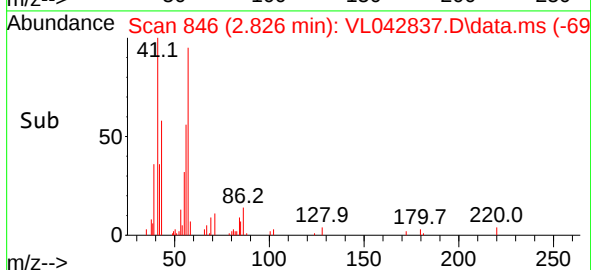
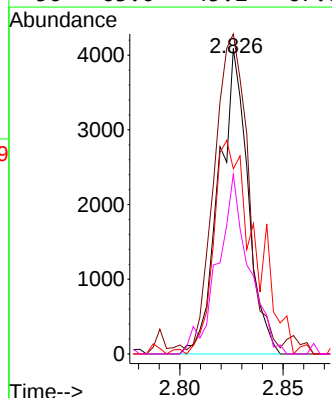
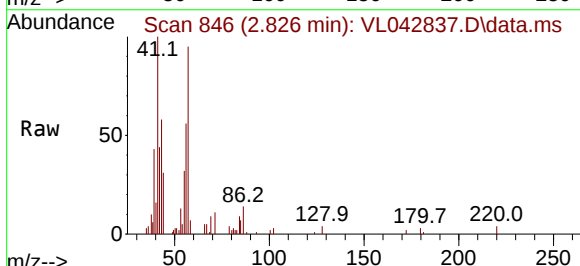
Ion Ratio Lower Upper

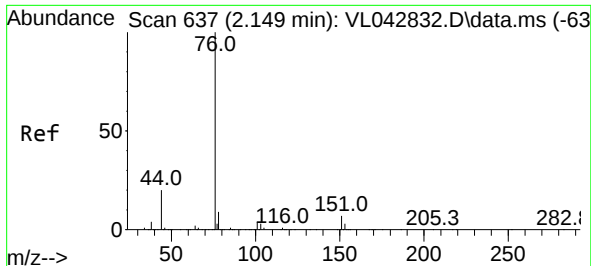
57 100

41 129.4 76.8 115.2#

43 102.2 185.4 278.2#

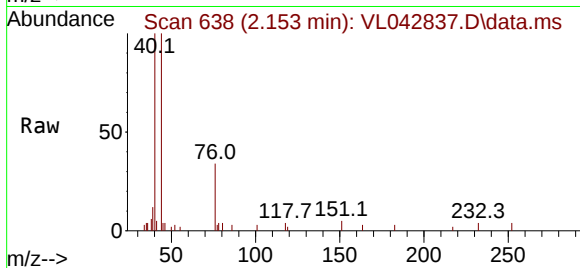
56 63.0 45.2 67.8



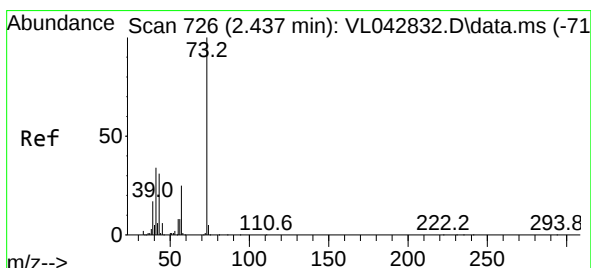
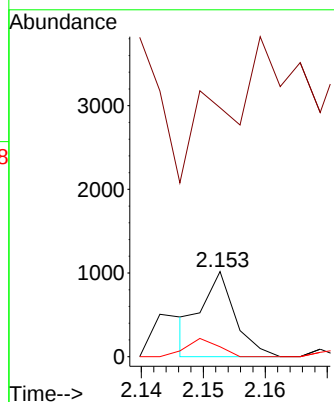
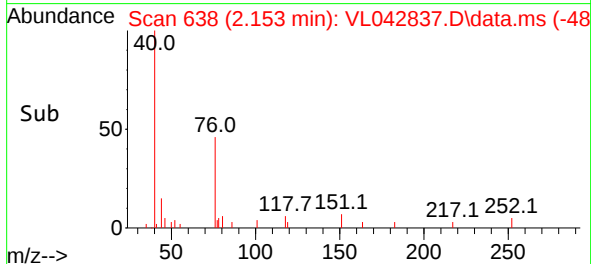


#27
Carbon Disulfide
Concen: 0.025 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Instrument :
MSVOA_L
ClientSampleId :

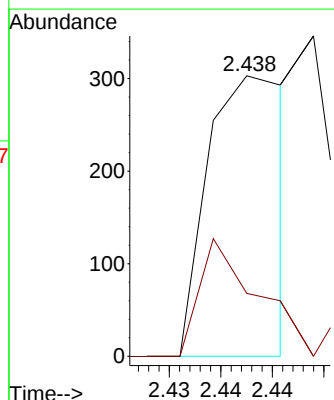
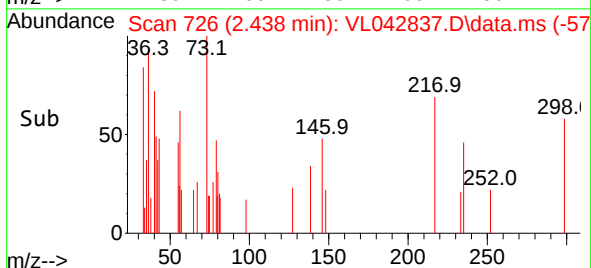
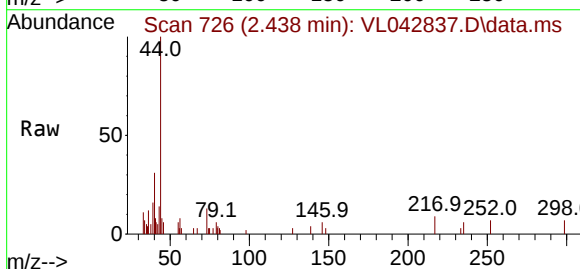


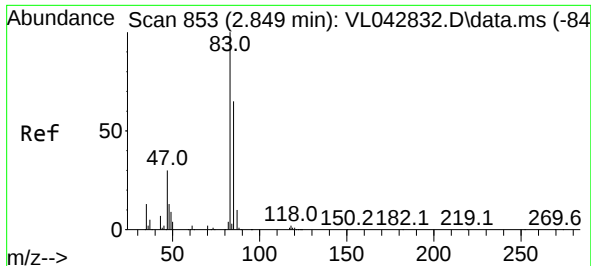
Tgt Ion: 76 Resp: 379
Ion Ratio Lower Upper
76 100
44 0.0 19.4 29.0#
78 20.6 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.021 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 73 Resp: 165
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#29

Chloroform

Concen: 0.015 ppbv

RT: 2.849 min Scan# 8

Delta R.T. 0.000 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

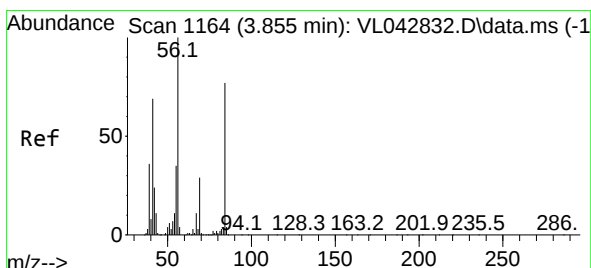
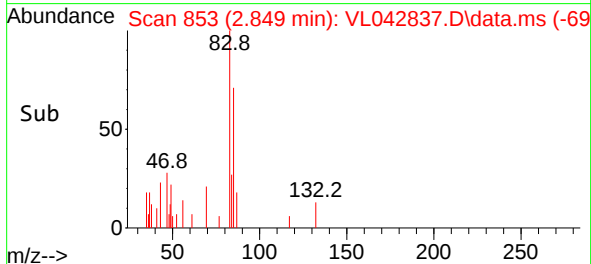
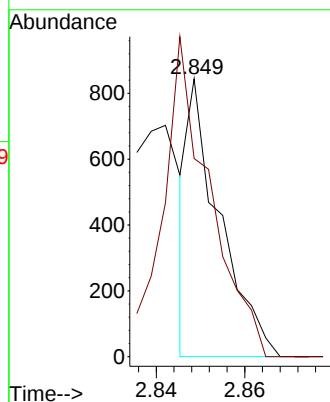
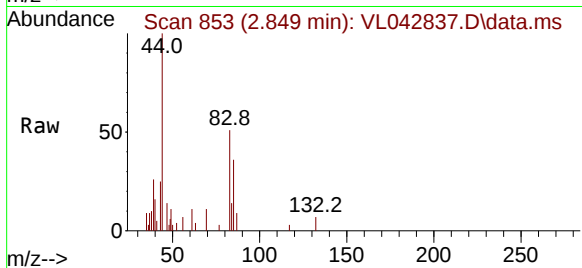
ClientSampleId :

Tgt Ion: 83 Resp: 419

Ion Ratio Lower Upper

83 100

85 71.3 51.9 77.9



#30

Cyclohexane

Concen: 0.014 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

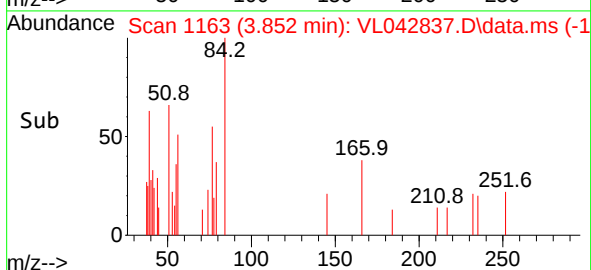
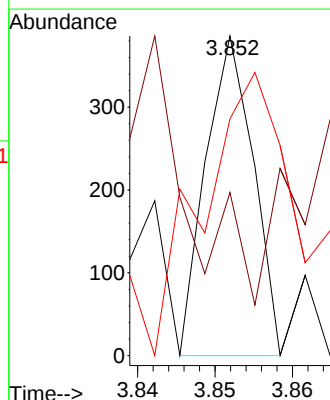
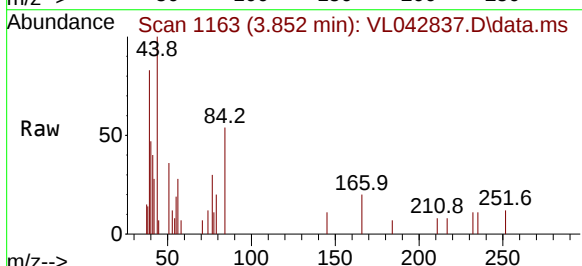
Tgt Ion: 84 Resp: 165

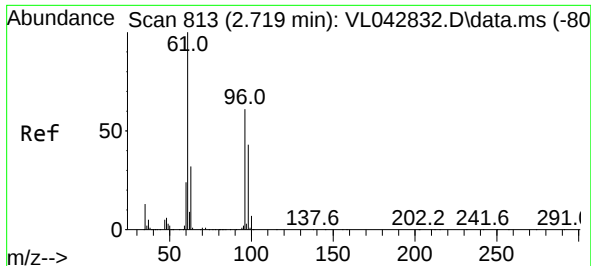
Ion Ratio Lower Upper

84 100

56 0.0 102.9 154.3#

41 327.9 72.2 108.4#





#31

cis-1,2-Dichloroethene

Concen: 0.033 ppbv

RT: 2.722 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

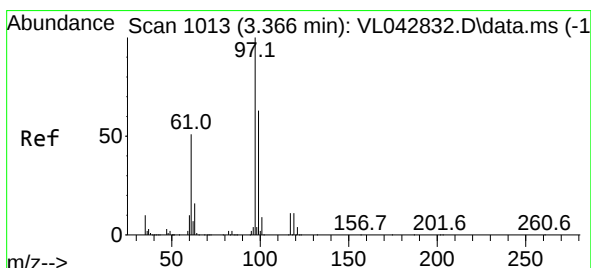
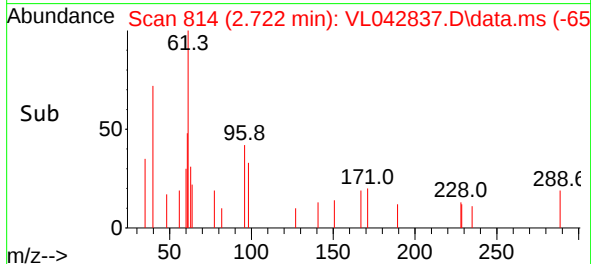
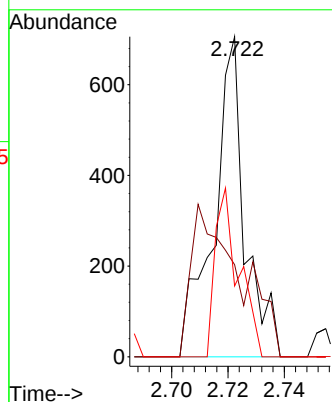
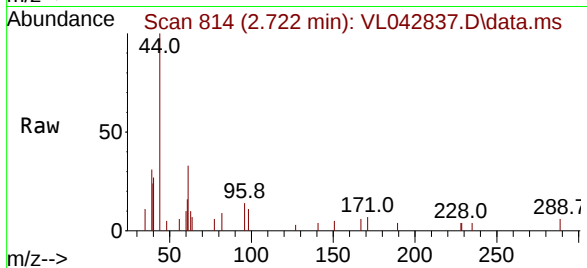
Tgt Ion: 61 Resp: 539

Ion Ratio Lower Upper

61 100

96 28.8 49.1 73.7#

98 22.1 34.2 51.4#



#32

1,1,1-Trichloroethane

Concen: 0.025 ppbv

RT: 3.360 min Scan# 1011

Delta R.T. -0.006 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

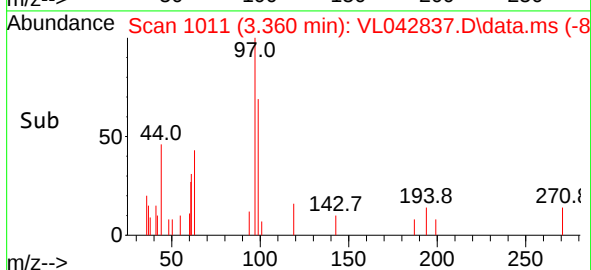
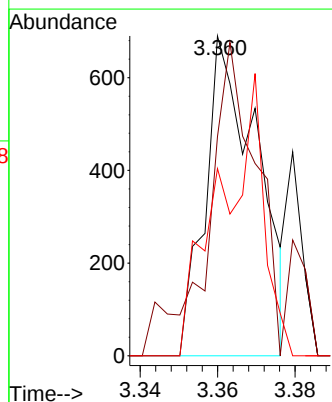
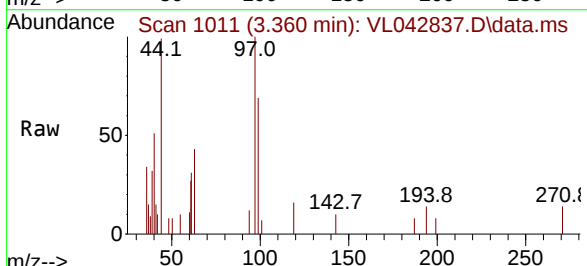
Tgt Ion: 97 Resp: 643

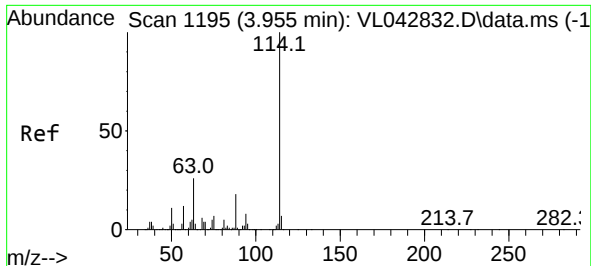
Ion Ratio Lower Upper

97 100

99 104.2 50.7 76.1#

61 0.0 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: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

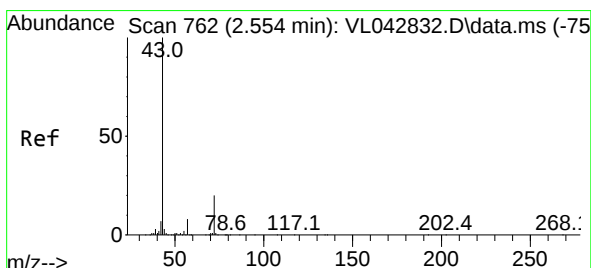
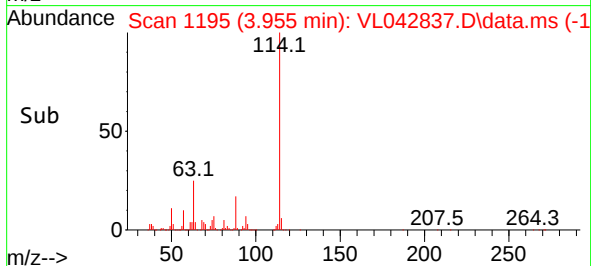
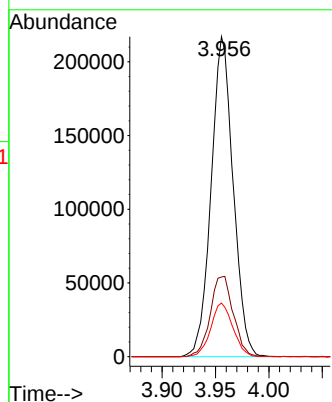
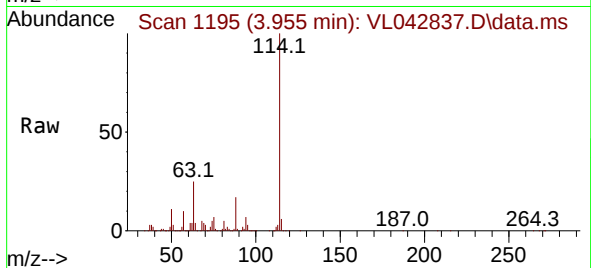
Tgt Ion:114 Resp: 311010

Ion Ratio Lower Upper

114 100

63 26.4 21.0 31.6

88 16.9 13.8 20.8



#34

2-Butanone

Concen: 0.033 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042837.D

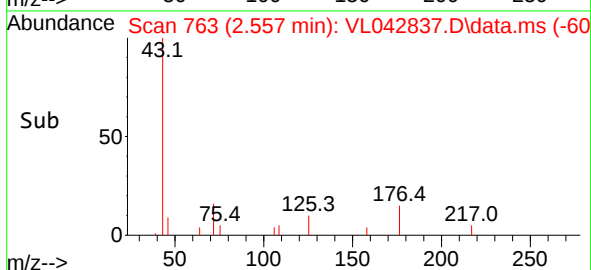
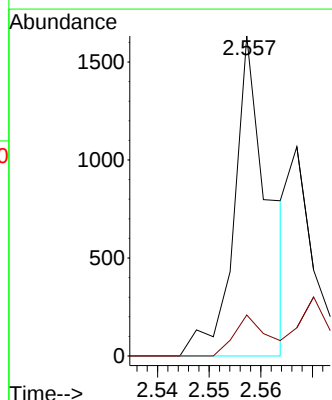
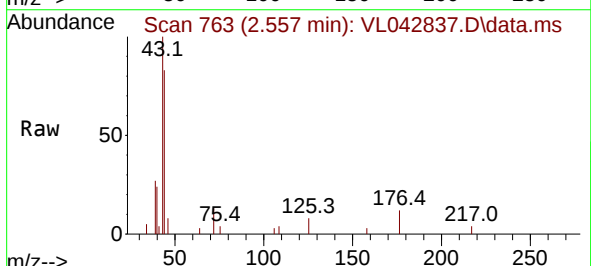
Acq: 11 Aug 2025 11:32

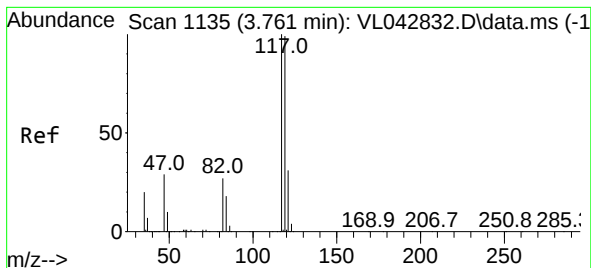
Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

72 0.0 17.2 25.8#





#35

Carbon Tetrachloride

Concen: 0.014 ppbv

RT: 3.758 min Scan# 1135

Delta R.T. -0.003 min

Lab File: VL042837.D

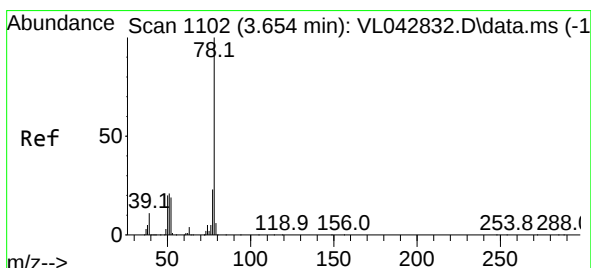
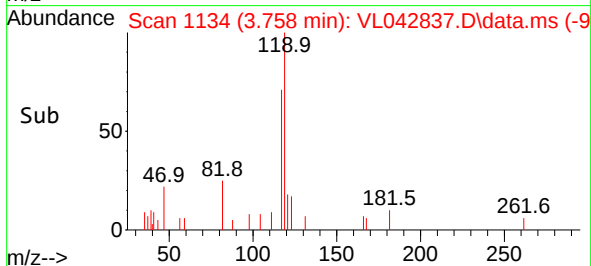
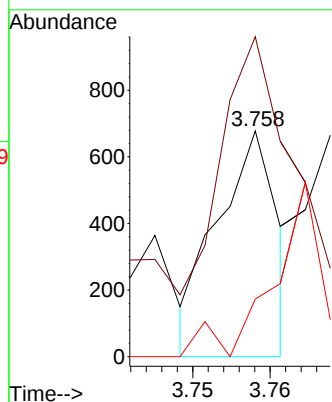
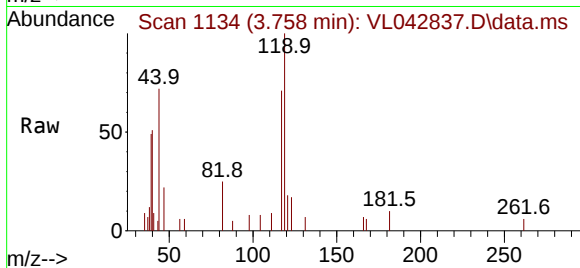
Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:117	Resp:	366
Ion	Ratio	Lower Upper
117	100	
119	146.8	79.3 118.9#
121	32.8	25.0 37.4



#36

Benzene

Concen: 0.013 ppbv

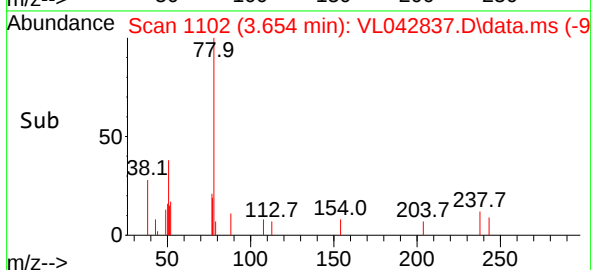
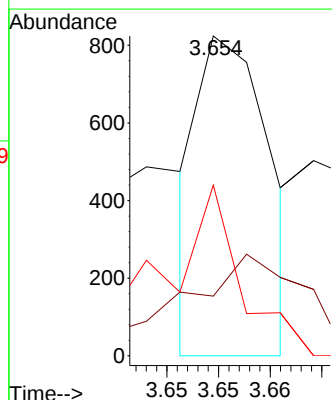
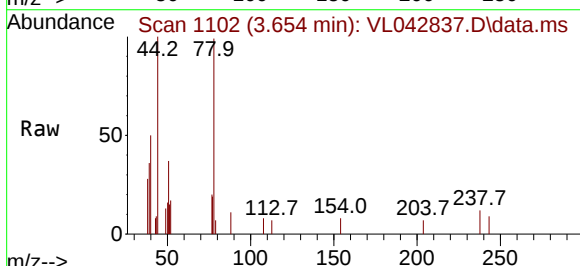
RT: 3.654 min Scan# 1102

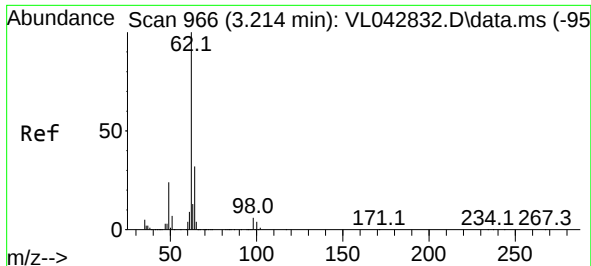
Delta R.T. 0.000 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion: 78	Resp:	391
Ion	Ratio	Lower Upper
78	100	
77	0.0	18.5 27.7#
50	84.1	15.8 23.8#





#37

1,2-Dichloroethane

Concen: 0.040 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

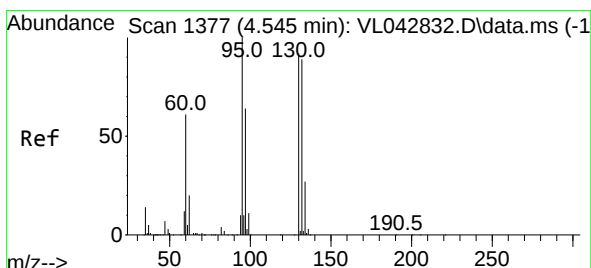
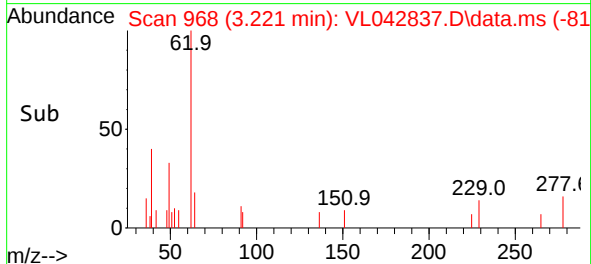
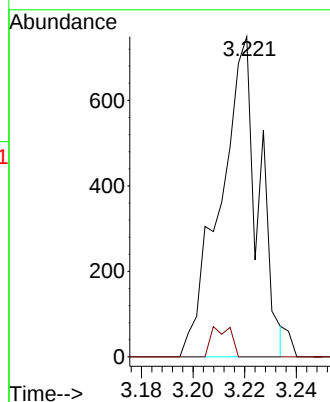
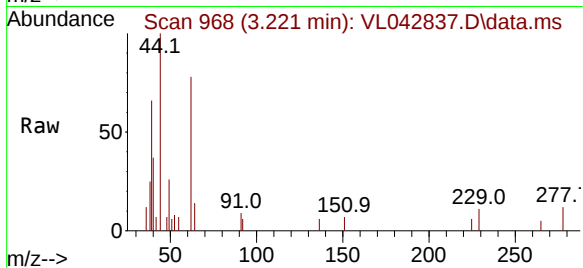
ClientSampleId :

Tgt Ion: 62 Resp: 771

Ion Ratio Lower Upper

62 100

98 4.8 5.1 7.7#



#38

Trichloroethene

Concen: 0.027 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion:130 Resp: 400

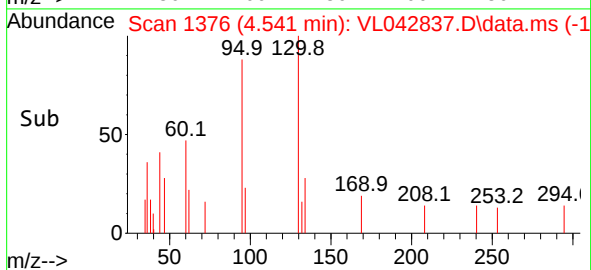
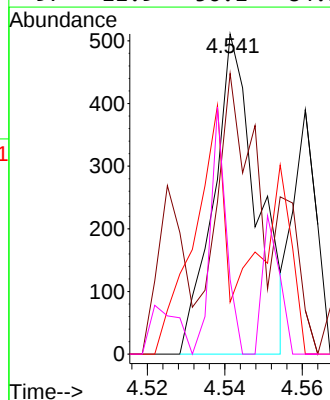
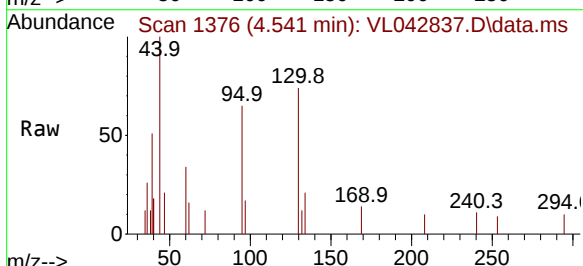
Ion Ratio Lower Upper

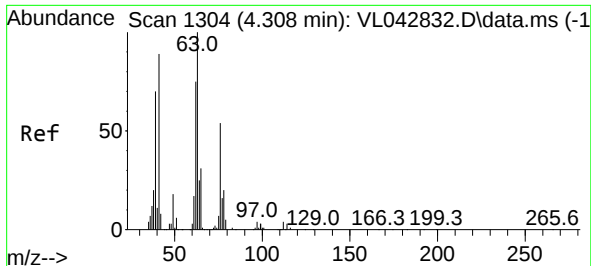
130 100

95 49.7 87.4 131.2#

132 0.0 77.8 116.6#

97 11.9 56.1 84.1#





#39

1,2-Dichloropropane

Concen: 6.985 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

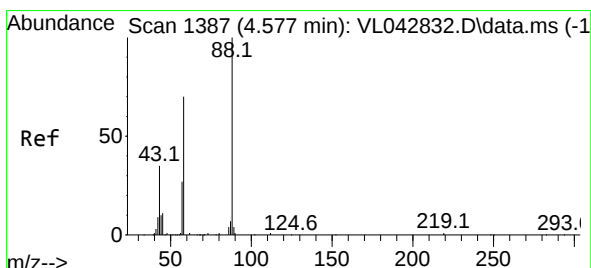
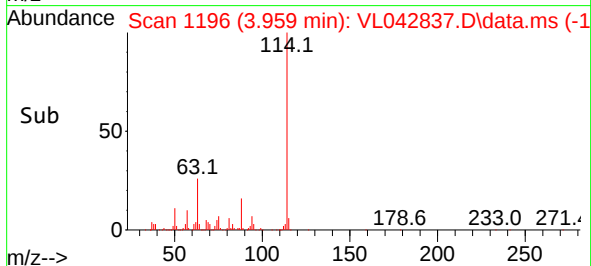
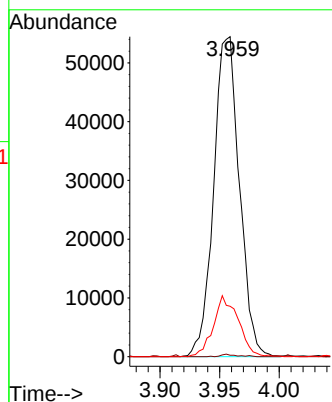
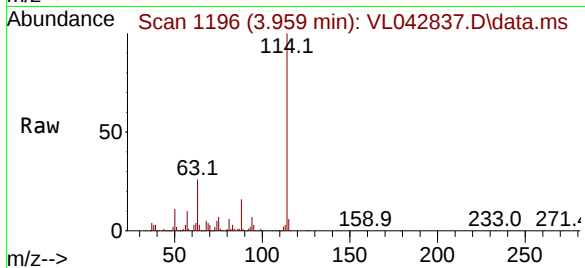
Tgt Ion: 63 Resp: 81793

Ion Ratio Lower Upper

63 100

41 0.4 71.8 107.8#

62 15.7 60.0 90.0#



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. 0.052 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion: 88 Resp: 46

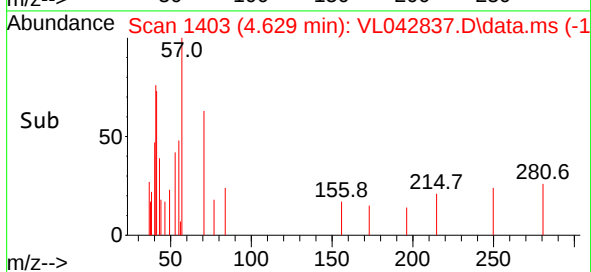
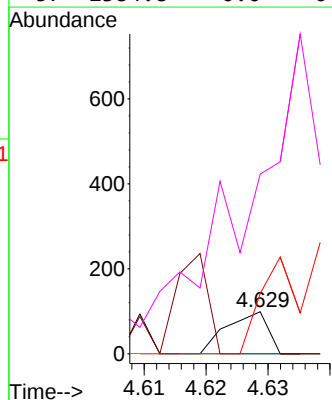
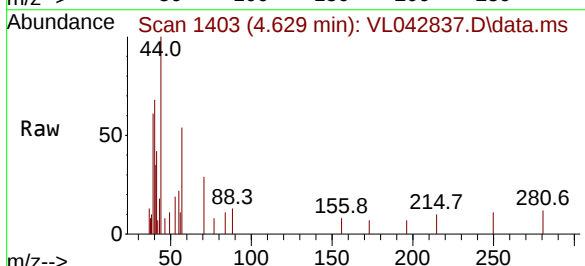
Ion Ratio Lower Upper

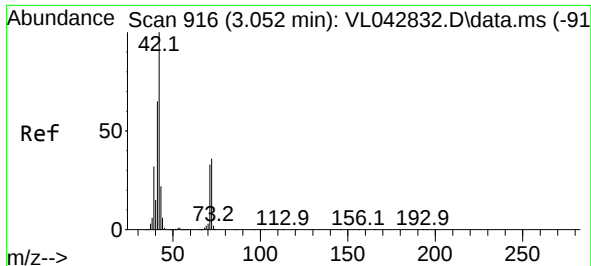
88 100

58 0.0 61.4 92.2#

43 480.4 28.6 43.0#

57 2384.8 0.0 0.0#

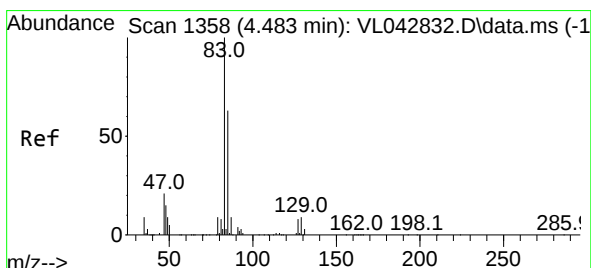
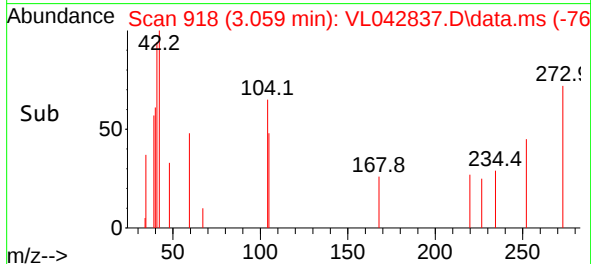
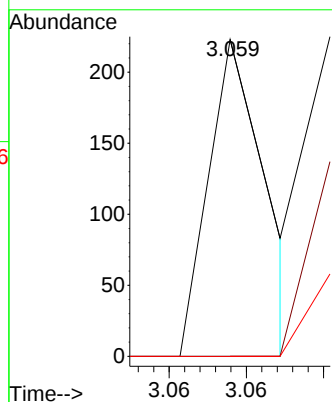
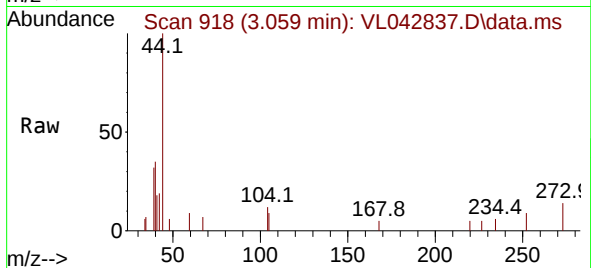




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

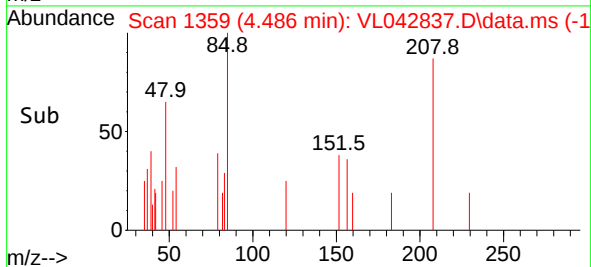
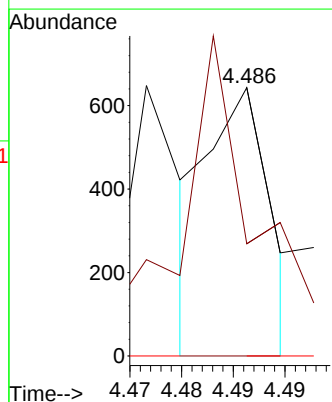
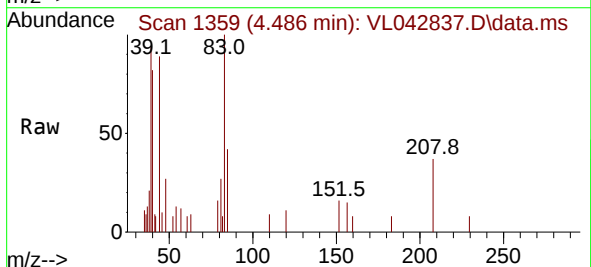
Instrument :
MSVOA_L
ClientSampleId :

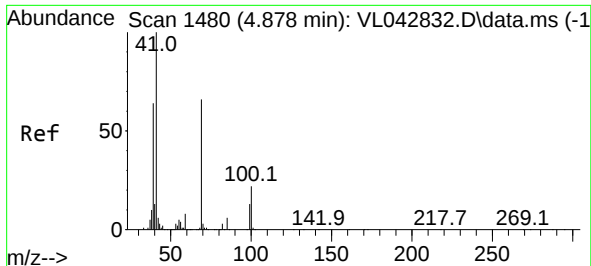
Tgt Ion: 42 Resp: 60
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.2#
71 0.0 27.4 41.0#



#42
Bromodichloromethane
Concen: 0.010 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 83 Resp: 269
Ion Ratio Lower Upper
83 100
85 19.2 50.5 75.7#
127 0.0 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.022 ppbv

RT: 4.884 min Scan# 1482

Delta R.T. 0.006 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

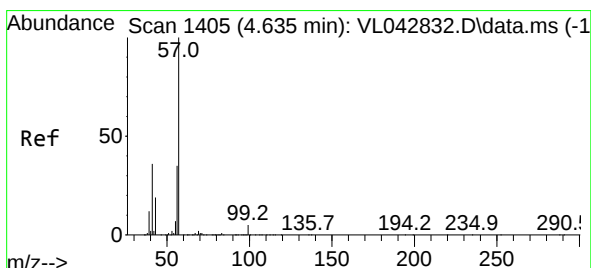
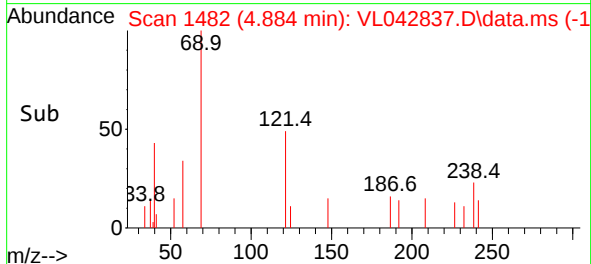
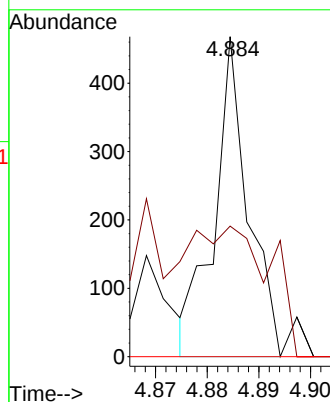
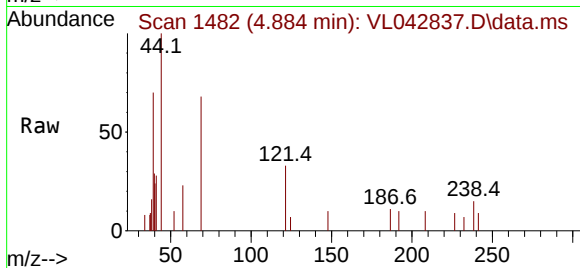
Tgt Ion: 69 Resp: 211

Ion Ratio Lower Upper

69 100

41 0.0 125.6 188.4#

100 0.0 27.4 41.2#



#44

2,2,4-Trimethylpentane

Concen: 0.009 ppbv

RT: 4.635 min Scan# 1405

Delta R.T. 0.000 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

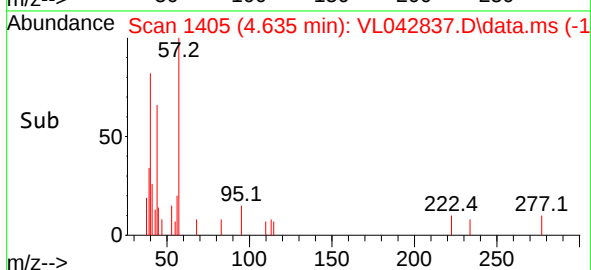
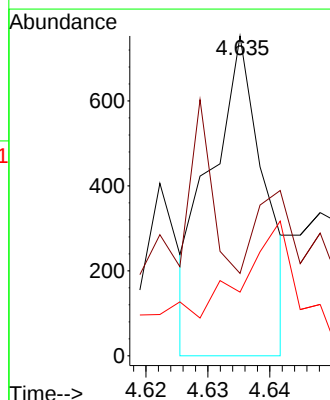
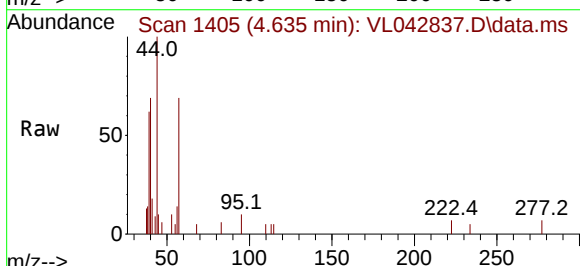
Tgt Ion: 57 Resp: 458

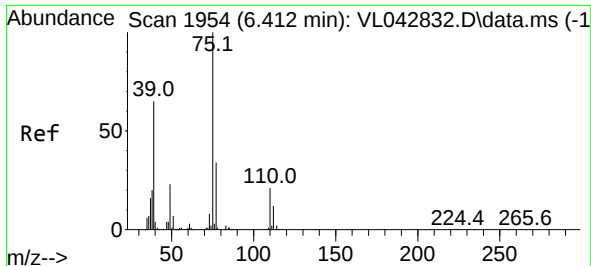
Ion Ratio Lower Upper

57 100

41 182.1 28.7 43.1#

56 0.0 26.6 39.8#





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

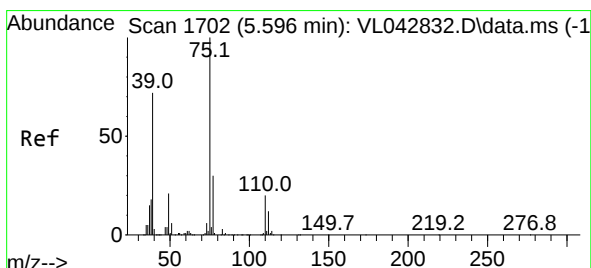
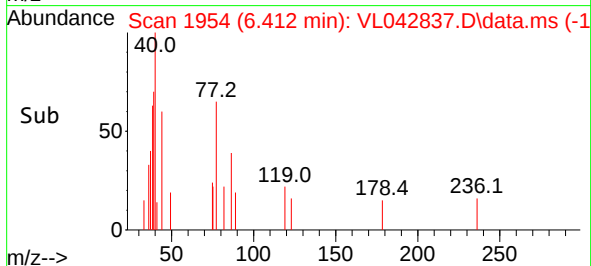
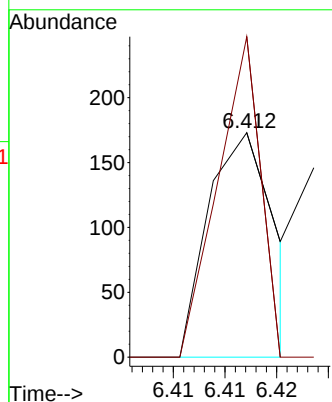
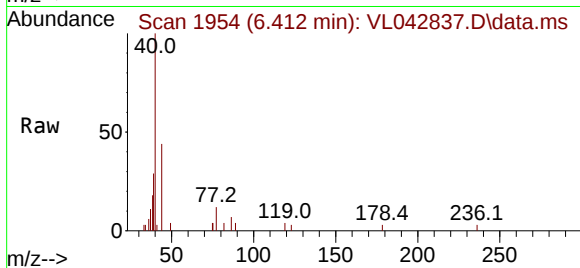
ClientSampleId :

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

77 142.8 26.9 40.3#



#46

cis-1,3-Dichloropropene

Concen: 0.006 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

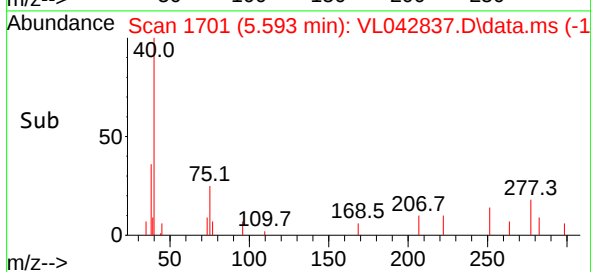
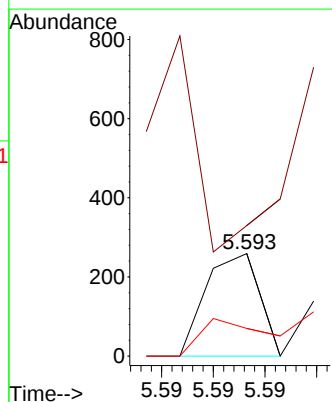
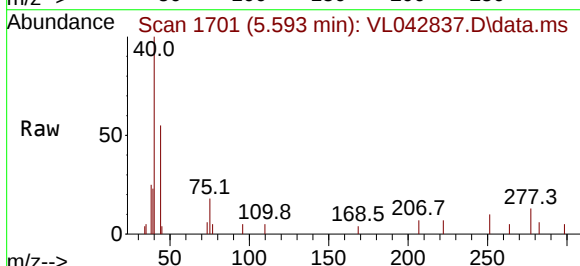
Tgt Ion: 75 Resp: 93

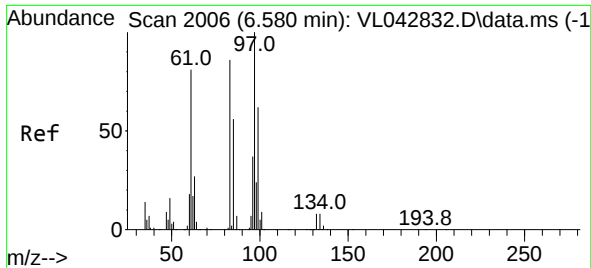
Ion Ratio Lower Upper

75 100

39 0.0 57.6 86.4#

77 27.0 23.6 35.4

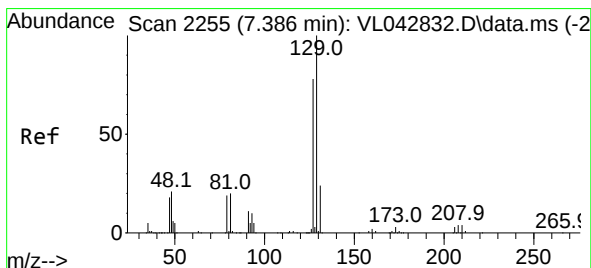
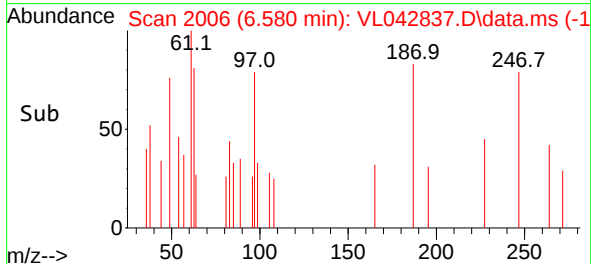
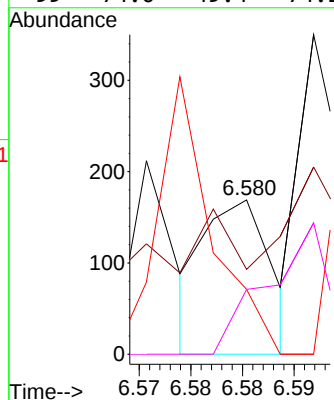
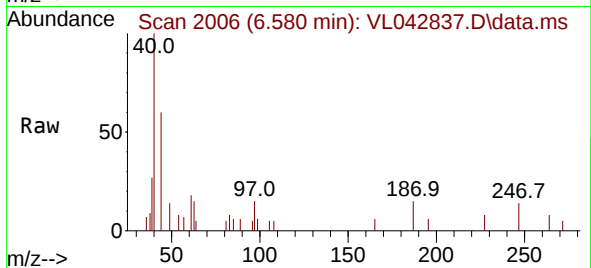




#47
1,1,2-Trichloroethane
Concen: 0.006 ppbv
RT: 6.580 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

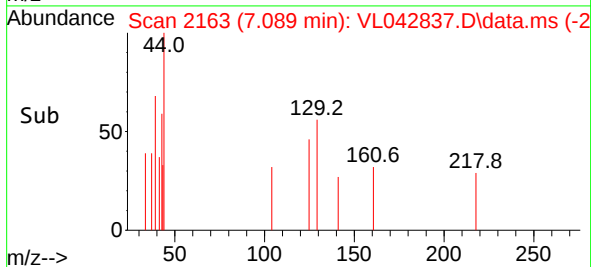
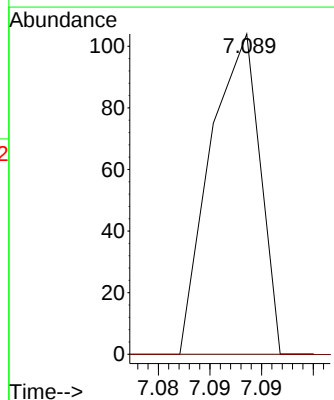
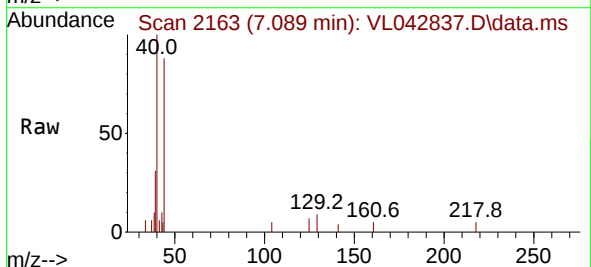
Instrument :
MSVOA_L
ClientSampleId :

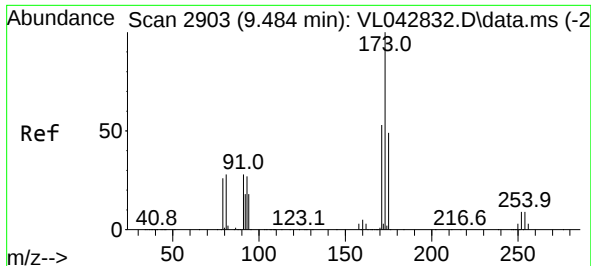
Tgt Ion: 97	Resp:	76	
Ion	Ratio	Lower	Upper
97	100		
83	4.2	68.5	102.7#
85	74.0	44.4	66.6#
99	74.0	49.4	74.2



#48
Dibromochloromethane
Concen: 0.002 ppbv
RT: 7.089 min Scan# 2163
Delta R.T. -0.298 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion:129	Resp:	35	
Ion	Ratio	Lower	Upper
129	100		
127	74.3	39.8	119.3





#49

Bromoform

Concen: 0.031 ppbv

RT: 9.480 min Scan# 2903

Delta R.T. -0.003 min

Lab File: VL042837.D

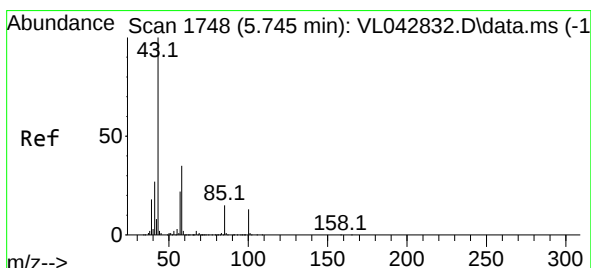
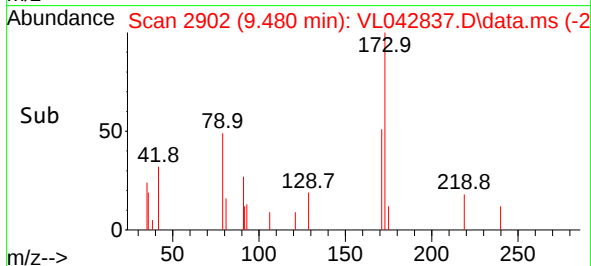
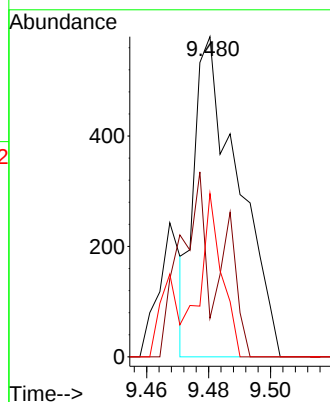
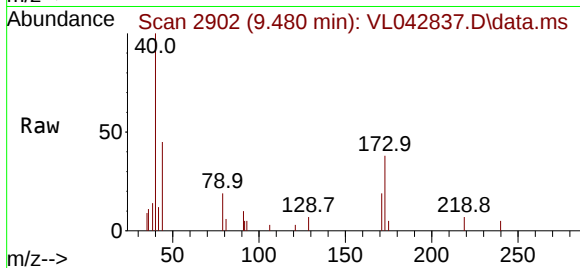
Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	568
Ion	Ratio	Lower Upper
173	100	
175	49.6	39.4 59.0
171	35.6	41.4 62.0#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

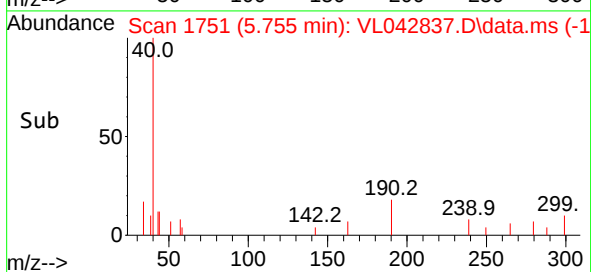
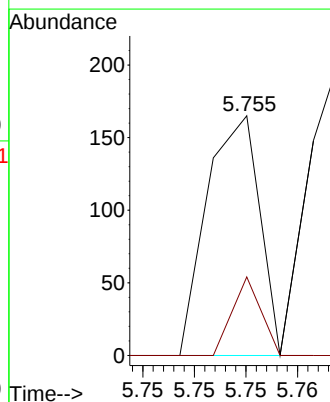
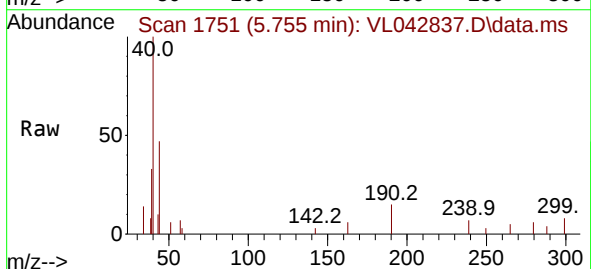
RT: 5.755 min Scan# 1751

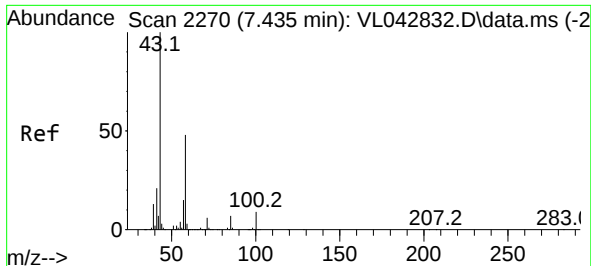
Delta R.T. 0.010 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion: 43	Resp:	58
Ion	Ratio	Lower Upper
43	100	
58	0.0	26.7 40.1#

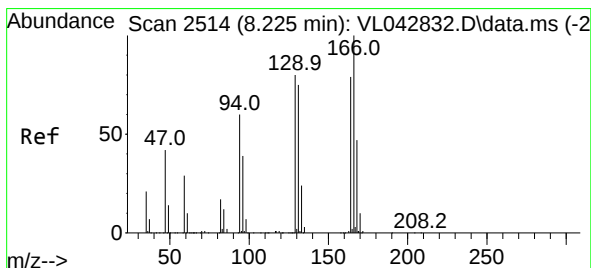
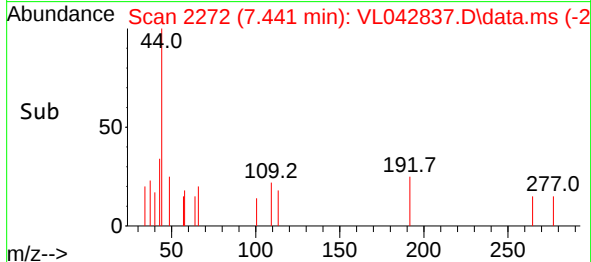
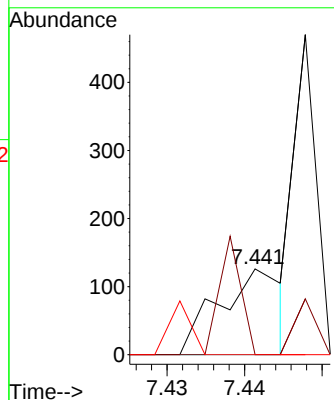
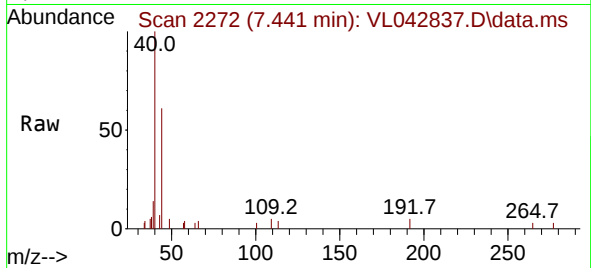




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

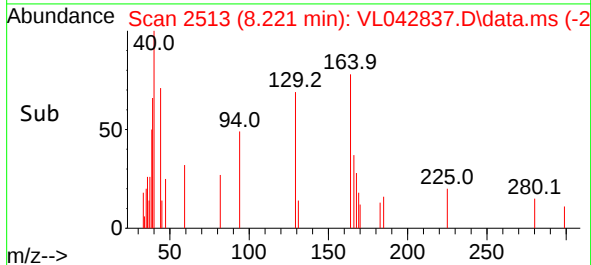
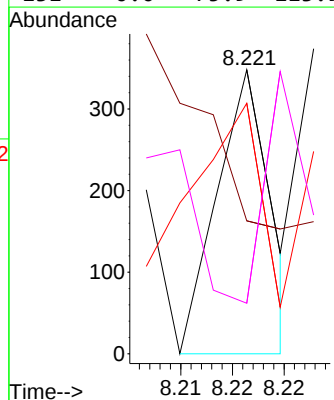
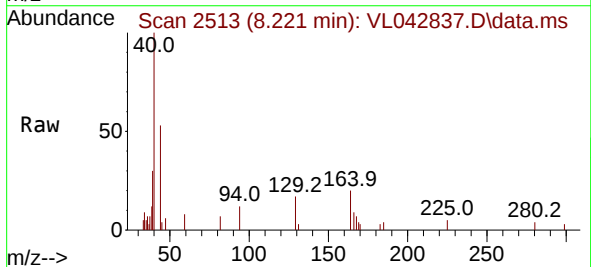
Instrument :
MSVOA_L
ClientSampleId :

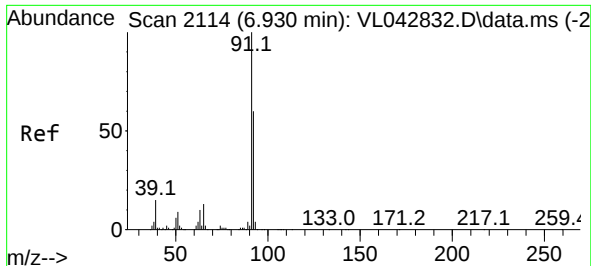
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#
98 20.3 0.8 1.2#



#52
Tetrachloroethene
Concen: 0.011 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 164 Resp: 126
Ion Ratio Lower Upper
164 100
166 2.9 101.0 151.4#
129 71.8 80.9 121.3#
131 0.0 75.9 113.9#

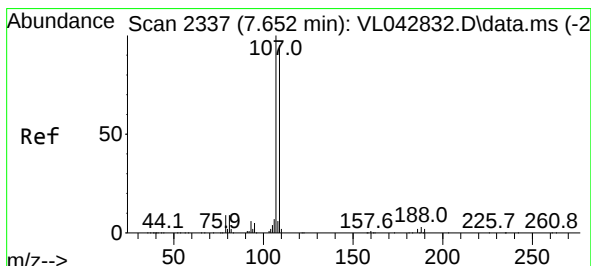
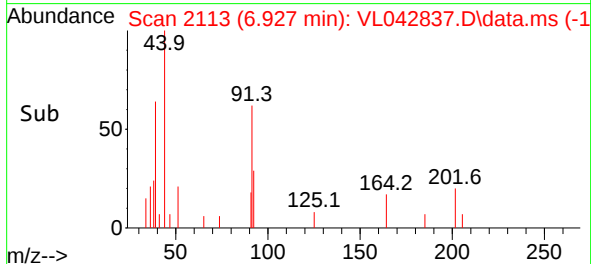
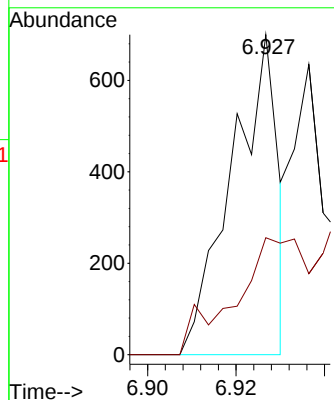
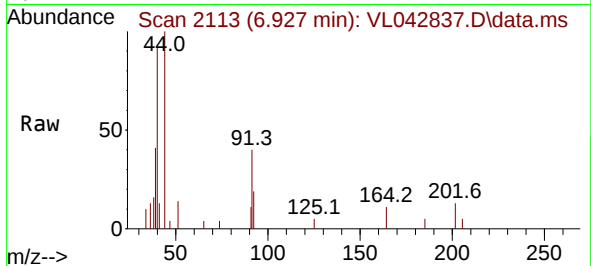




#53
Toluene
Concen: 0.018 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

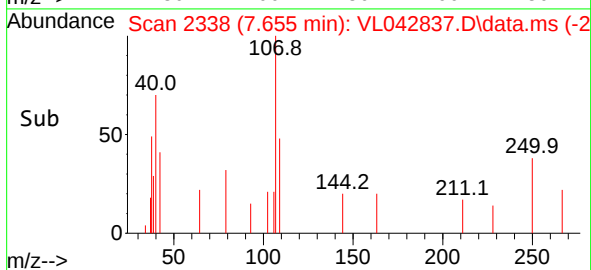
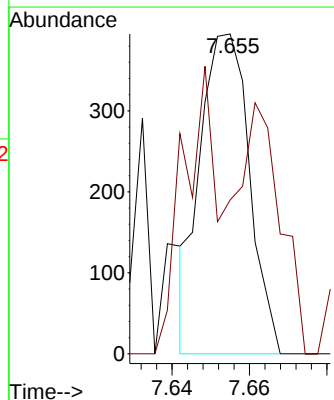
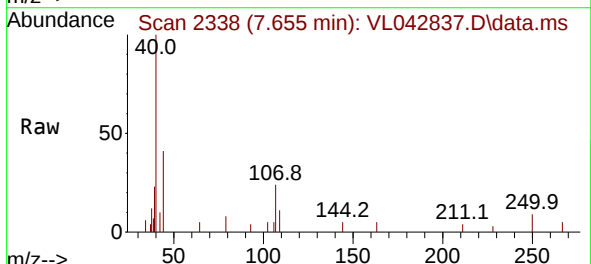
Instrument :
MSVOA_L
ClientSampleId :

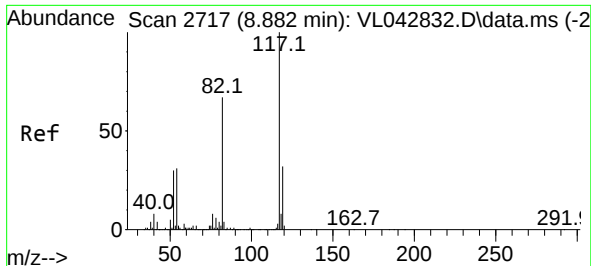
Tgt Ion: 91 Resp: 508
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.020 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 107 Resp: 348
Ion Ratio Lower Upper
107 100
109 10.6 75.7 113.5#

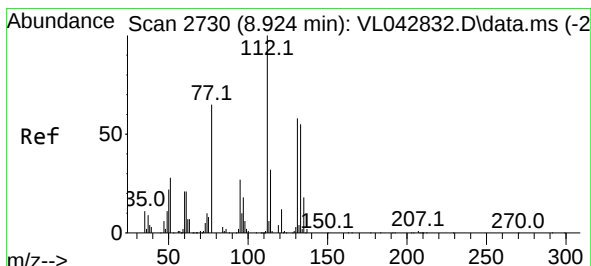
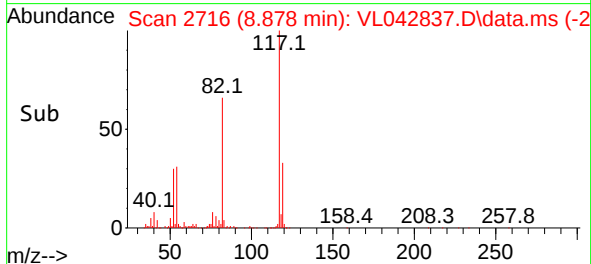
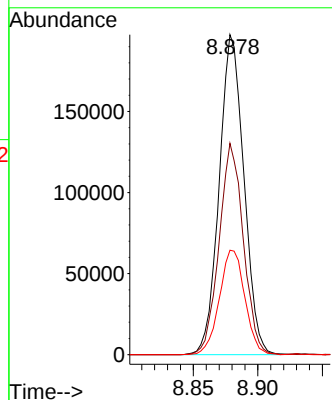
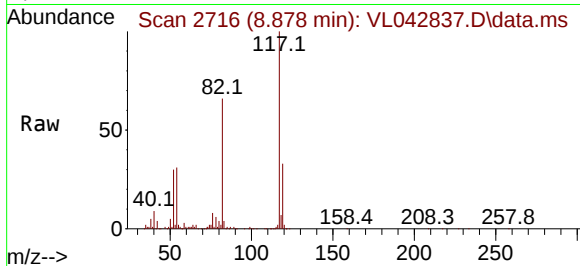




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

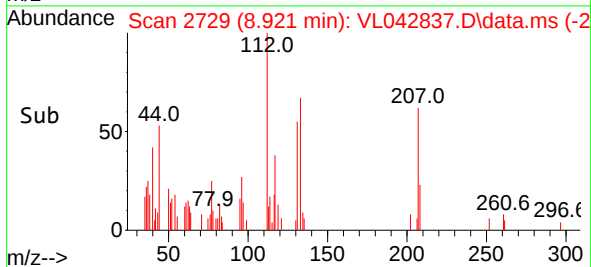
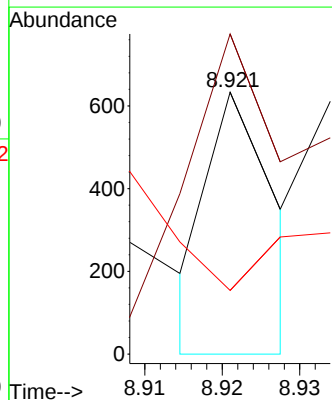
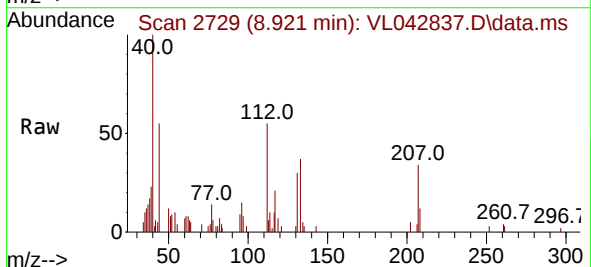
Instrument :
MSVOA_L
ClientSampleId :

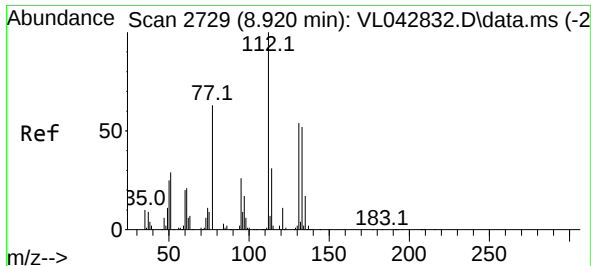
Tgt Ion:117 Resp: 262520
Ion Ratio Lower Upper
117 100
82 64.8 55.7 83.5
119 33.8 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

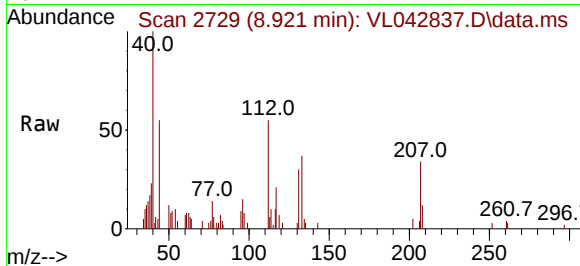
Tgt Ion:131 Resp: 191
Ion Ratio Lower Upper
131 100
133 499.5 77.0 115.6#
119 0.0 50.5 75.7#



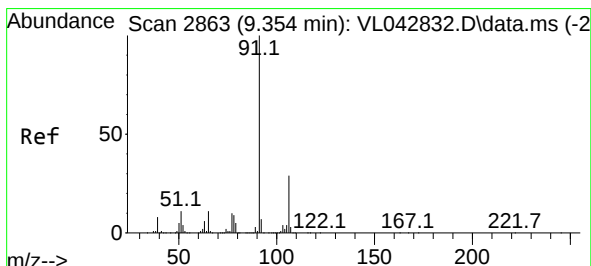
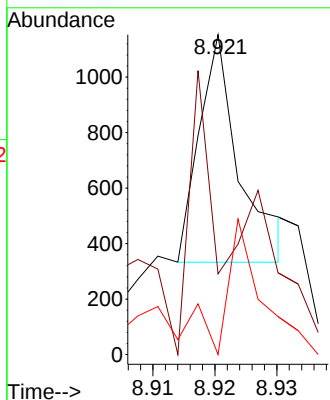
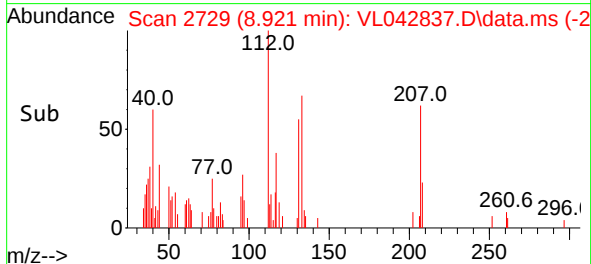


#57
Chlorobenzene
Concen: 0.013 ppbv
RT: 8.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Instrument :
MSVOA_L
ClientSampleId :

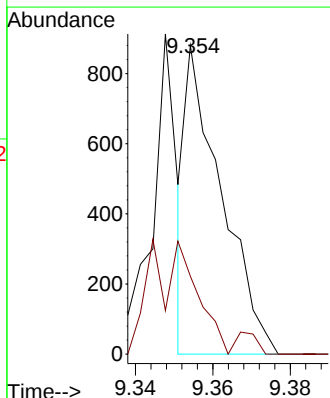
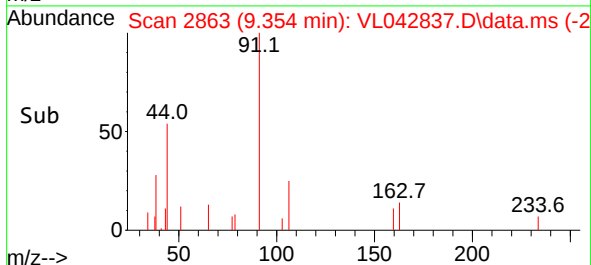
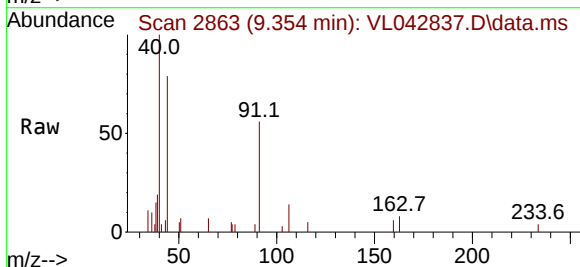


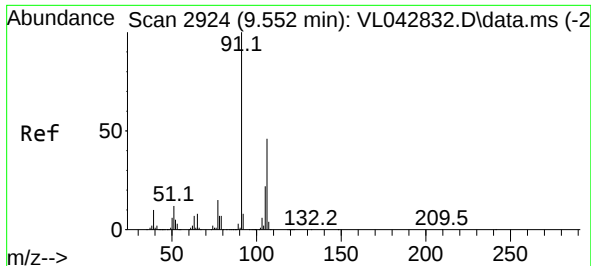
Tgt Ion:112 Resp: 371
Ion Ratio Lower Upper
112 100
77 28.7 51.5 77.3#
114 0.0 28.3 34.5#



#58
Ethyl Benzene
Concen: 0.015 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 91 Resp: 570
Ion Ratio Lower Upper
91 100
106 25.2 23.4 35.2

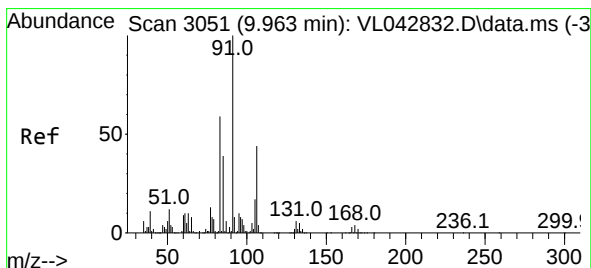
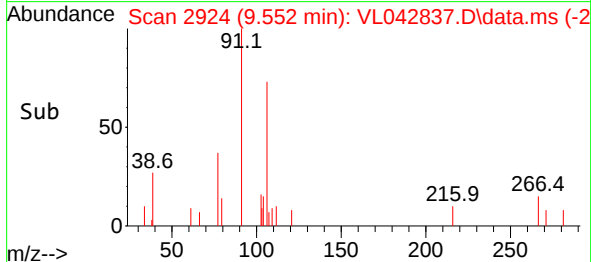
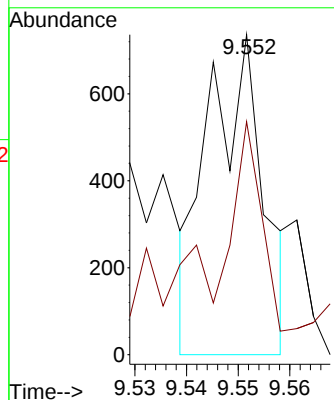
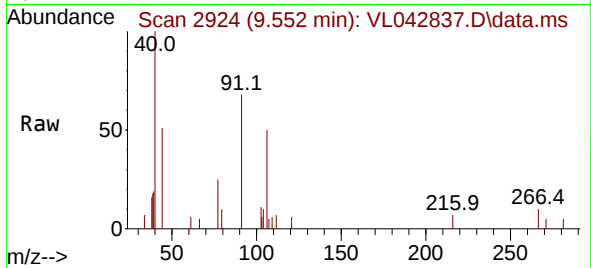




#59
m/p-Xylene
Concen: 0.017 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

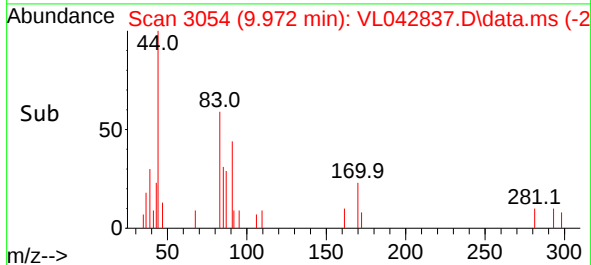
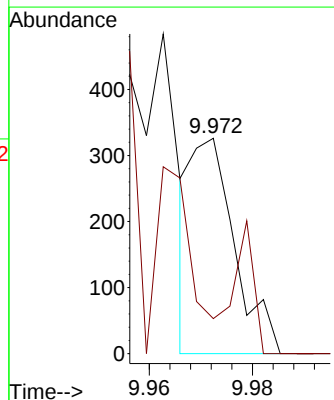
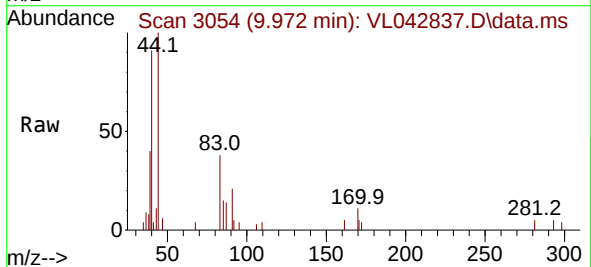
Instrument :
MSVOA_L
ClientSampleId :

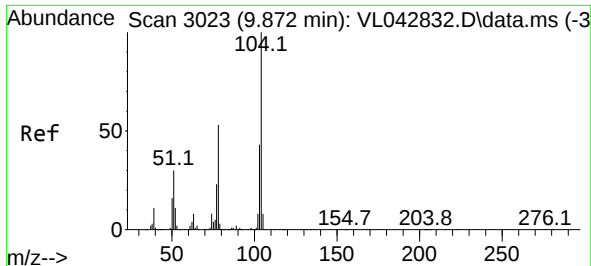
Tgt Ion: 91 Resp: 544
Ion Ratio Lower Upper
91 100
106 117.8 0.0 0.0#



#60
o-Xylene
Concen: 0.006 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 91 Resp: 190
Ion Ratio Lower Upper
91 100
106 31.1 21.9 65.7

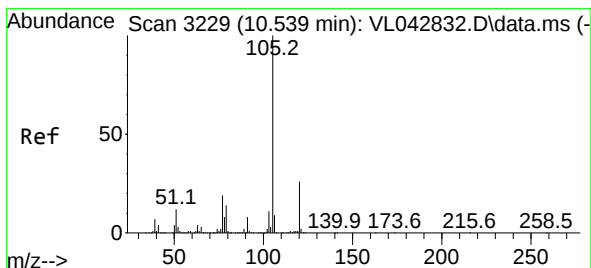
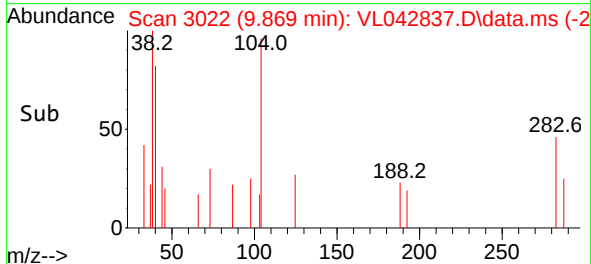
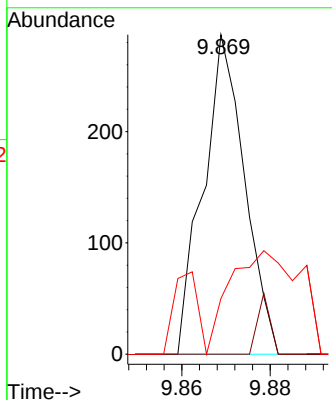
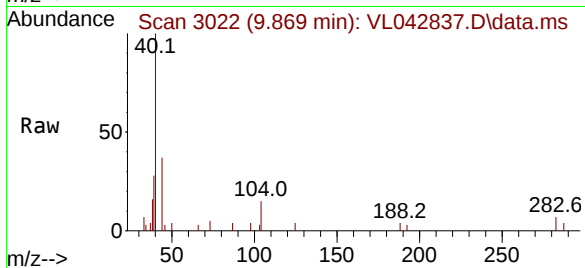




#61
Styrene
Concen: 0.635 ppbv
RT: 9.869 min Scan# 3023
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

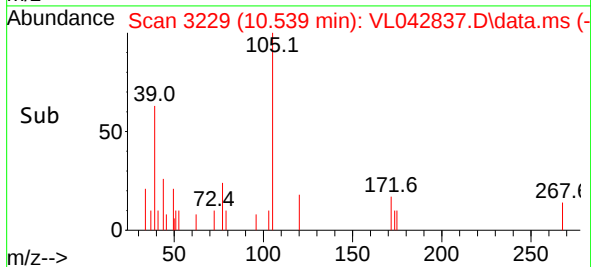
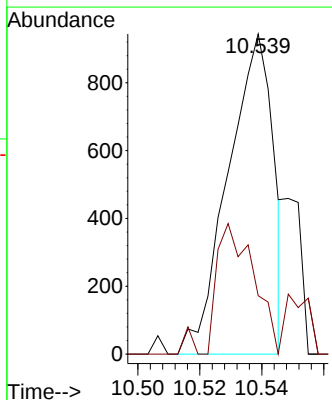
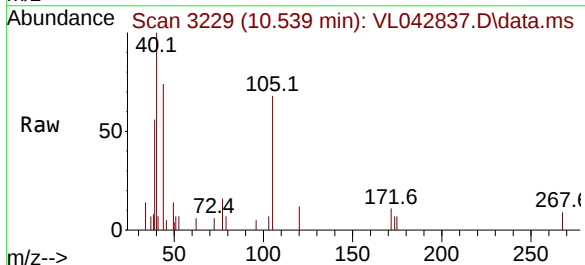
Instrument :
MSVOA_L
ClientSampleId :

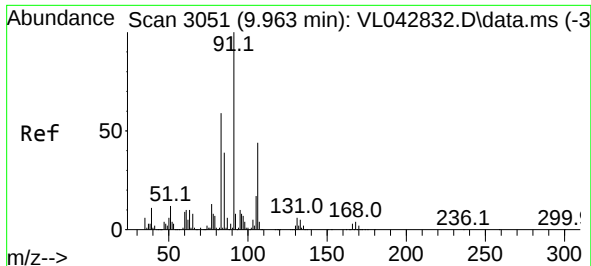
Tgt Ion:104 Resp: 187
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.2#
103 69.5 36.9 55.3#



#62
Isopropylbenzene
Concen: 0.020 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion:105 Resp: 957
Ion Ratio Lower Upper
105 100
120 45.5 20.4 30.6#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.012 ppbv

RT: 9.956 min Scan# 3051

Delta R.T. -0.006 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

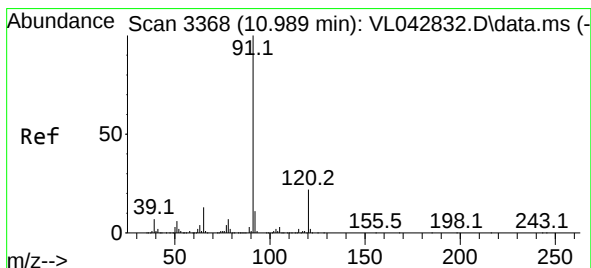
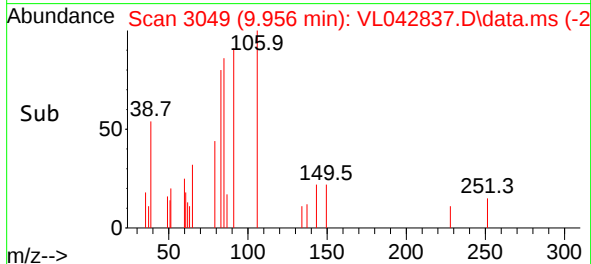
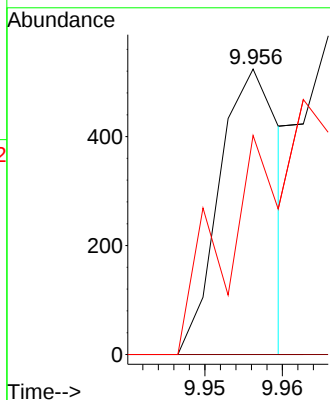
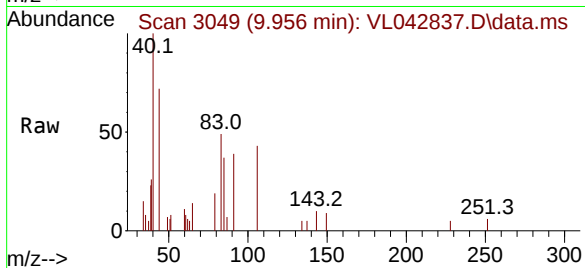
Tgt Ion: 83 Resp: 287

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 32.6 97.8#



#64

n-propylbenzene

Concen: 0.019 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.007 min

Lab File: VL042837.D

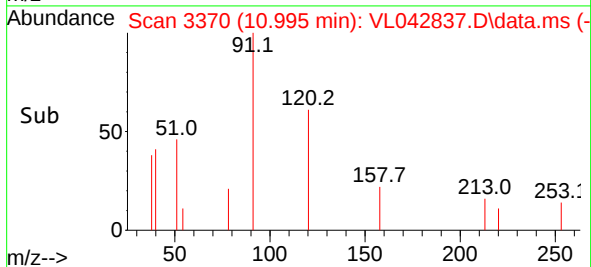
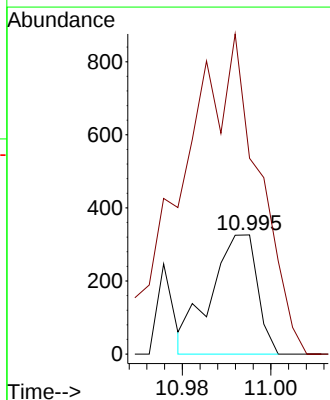
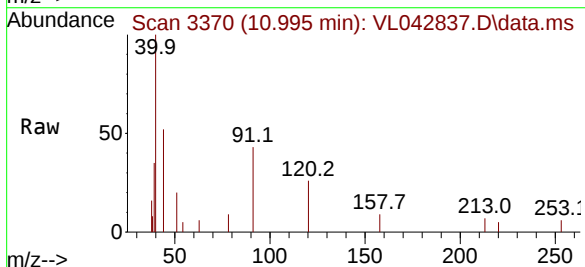
Acq: 11 Aug 2025 11:32

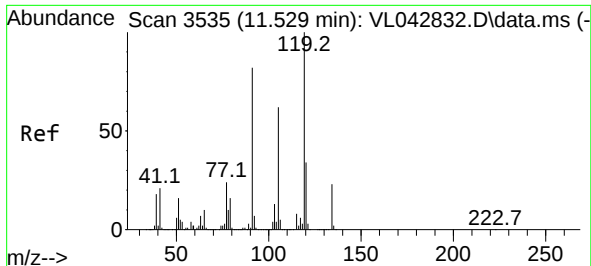
Tgt Ion: 120 Resp: 237

Ion Ratio Lower Upper

120 100

91 441.4 379.2 568.8

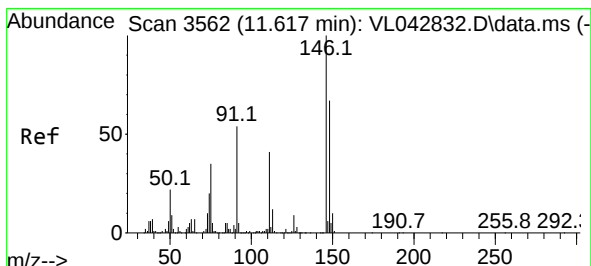
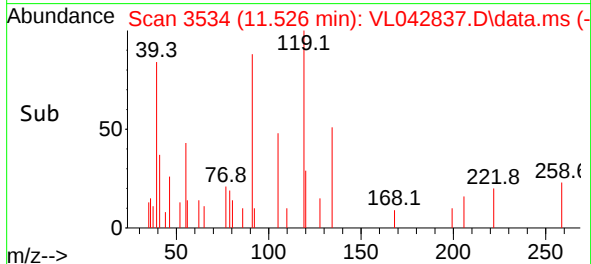
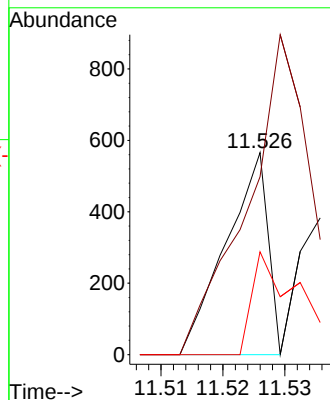
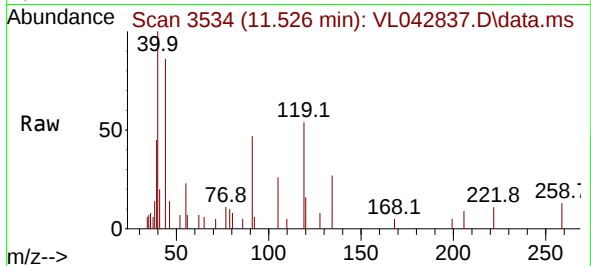




#65
tert-Butylbenzene
Concen: 0.006 ppbv
RT: 11.526 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

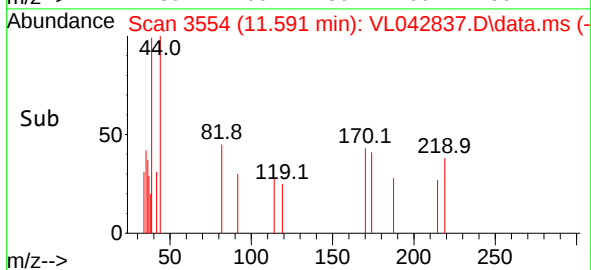
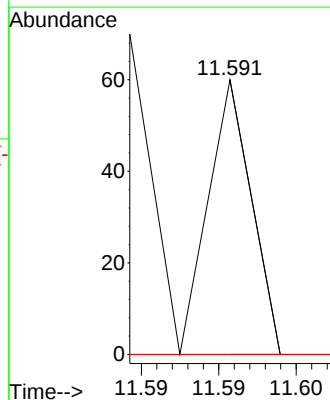
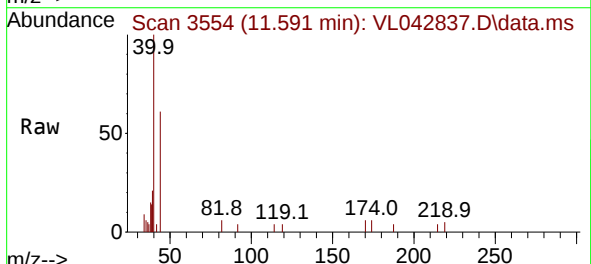
Instrument :
MSVOA_L
ClientSampleId :

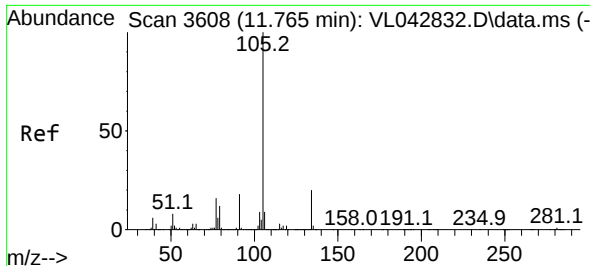
Tgt Ion:119 Resp: 266
Ion Ratio Lower Upper
119 100
91 260.9 64.6 96.8#
134 54.1 17.1 25.7#



#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.026 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion: 91 Resp: 12
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 0.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.011 ppbv

RT: 11.532 min Scan# 31

Delta R.T. -0.233 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

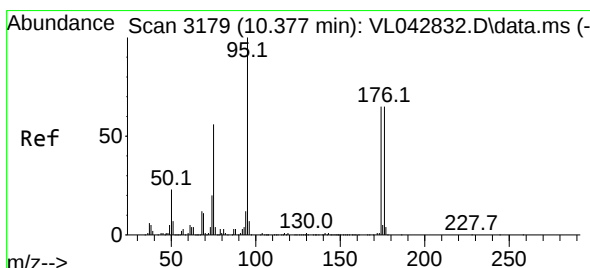
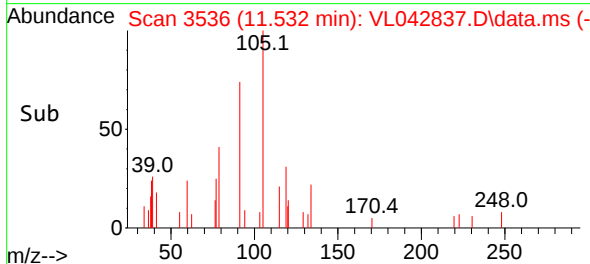
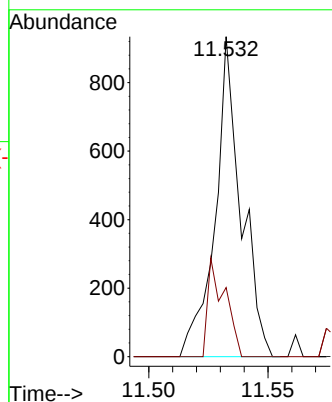
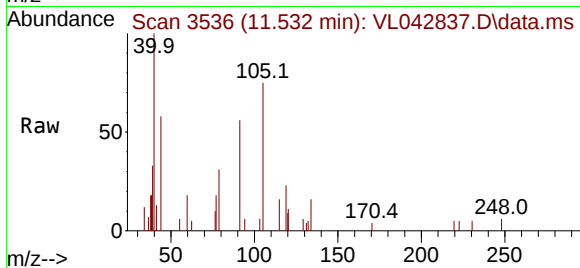
ClientSampleId :

Tgt Ion:105 Resp: 705

Ion Ratio Lower Upper

105 100

134 20.4 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.432 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

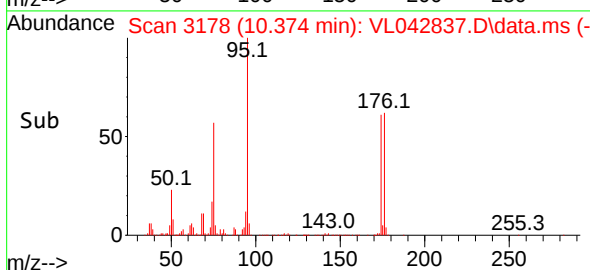
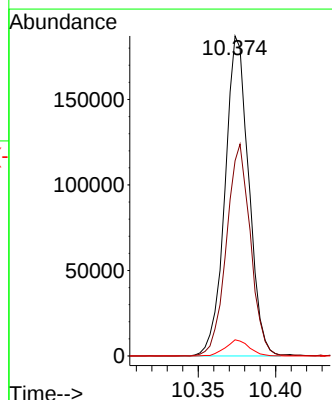
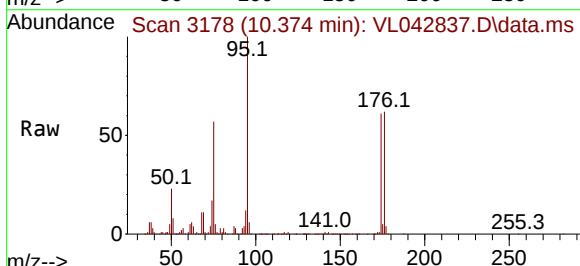
Tgt Ion: 95 Resp: 199540

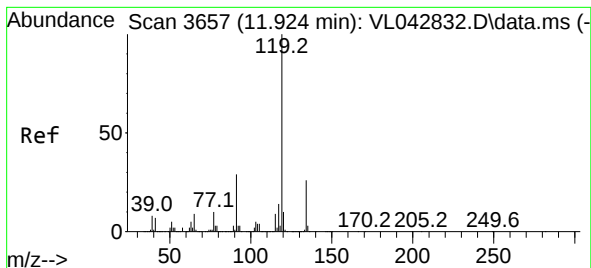
Ion Ratio Lower Upper

95 100

174 67.1 52.6 78.8

175 5.0 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.012 ppbv

RT: 11.921 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL042837.D

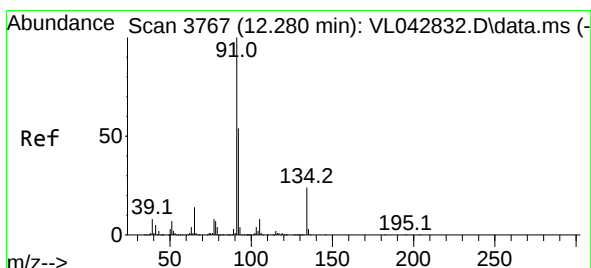
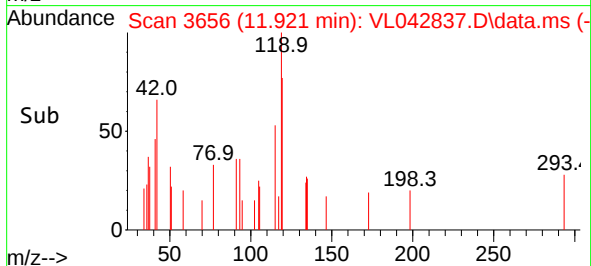
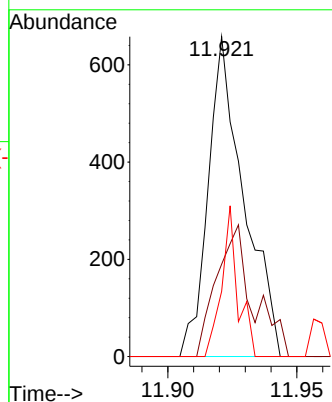
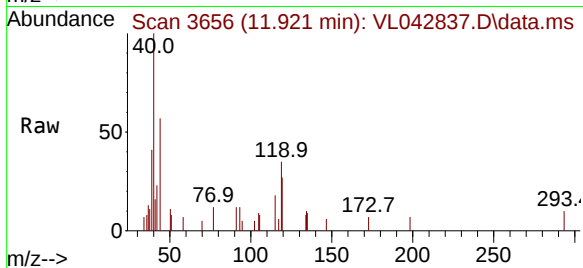
Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	633
Ion	Ratio	Lower	Upper
119	100		
134	42.2	20.5	30.7#
91	21.2	23.2	34.8#



#70

n-Butylbenzene

Concen: 0.014 ppbv

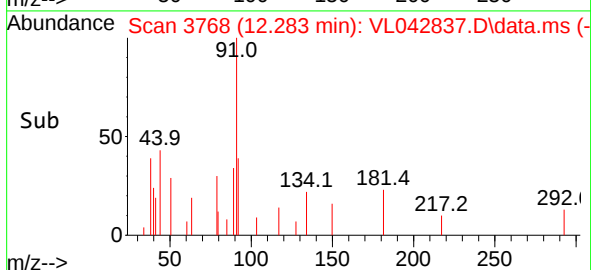
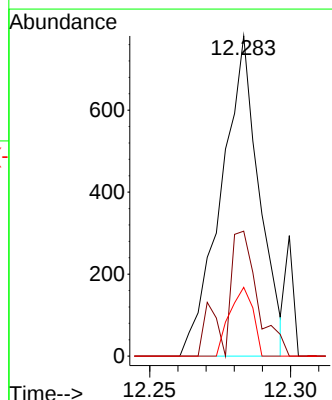
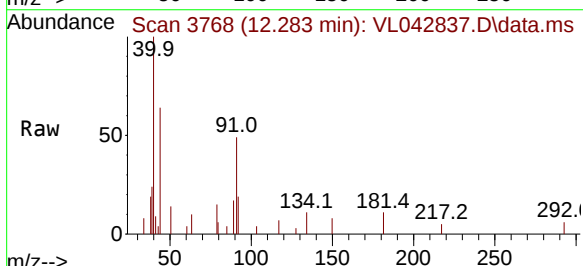
RT: 12.283 min Scan# 3768

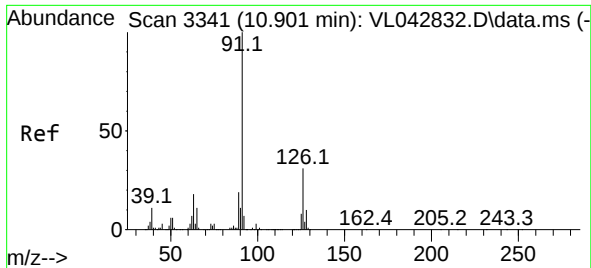
Delta R.T. 0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion:	91	Resp:	732
Ion	Ratio	Lower	Upper
91	100		
92	32.5	43.2	64.8#
134	13.3	19.0	28.6#

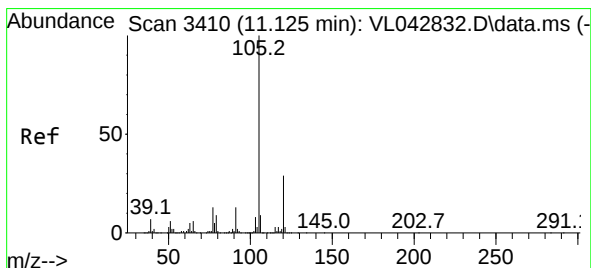
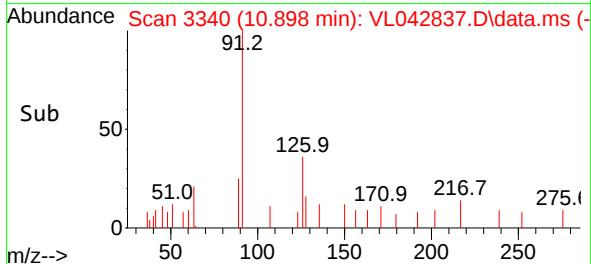
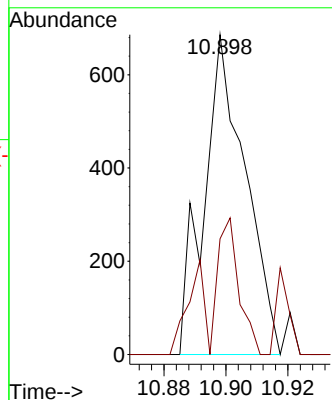
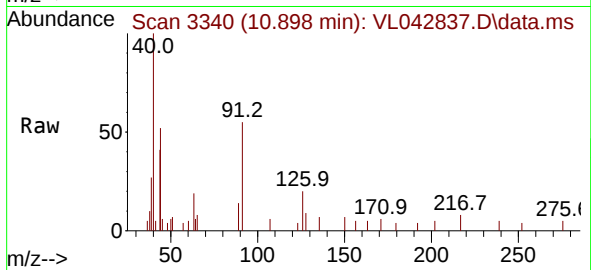




#71
2-Chlorotoluene
Concen: 0.018 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

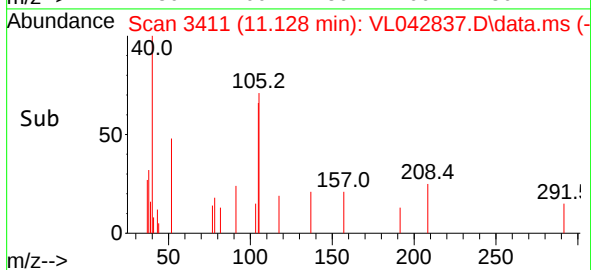
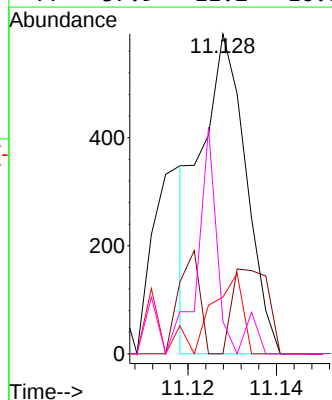
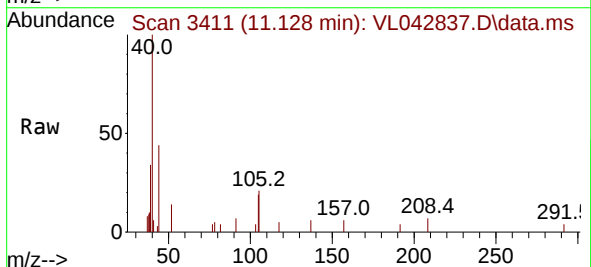
Instrument :
MSVOA_L
ClientSampleId :

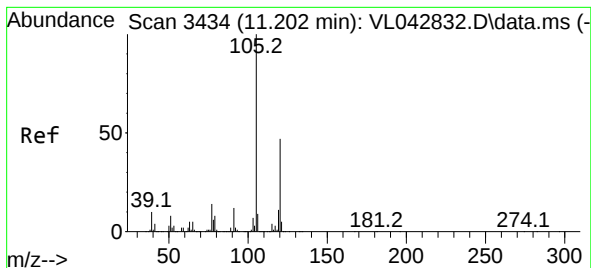
Tgt Ion: 91 Resp: 639
Ion Ratio Lower Upper
91 100
126 41.8 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.011 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion:105 Resp: 419
Ion Ratio Lower Upper
105 100
120 36.0 23.9 35.9#
91 23.9 10.7 16.1#
77 37.9 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.008 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

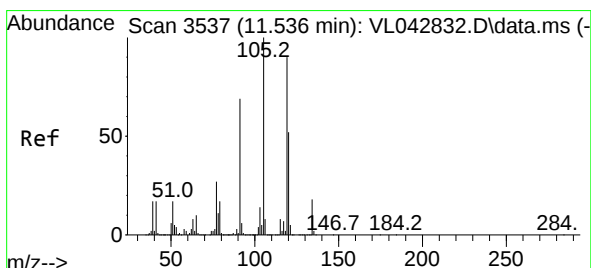
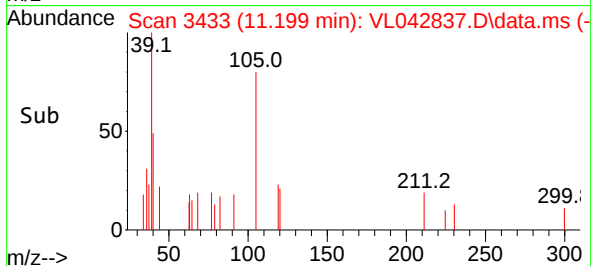
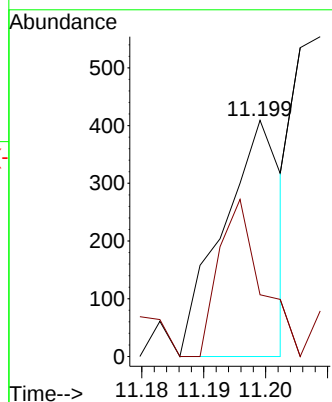
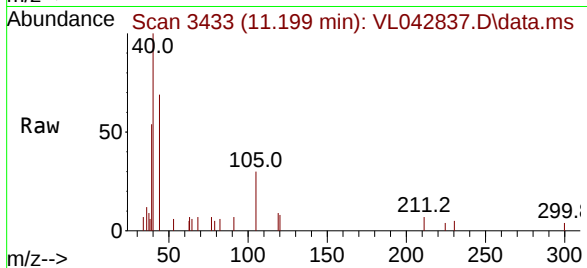
ClientSampleId :

Tgt Ion:105 Resp: 270

Ion Ratio Lower Upper

105 100

120 26.2 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.018 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion:105 Resp: 705

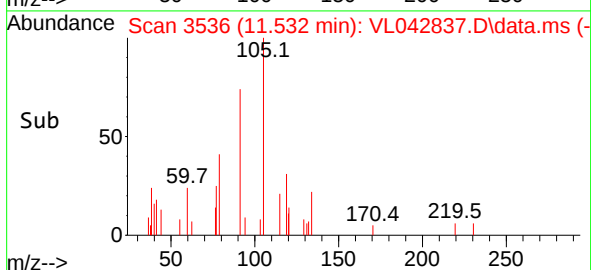
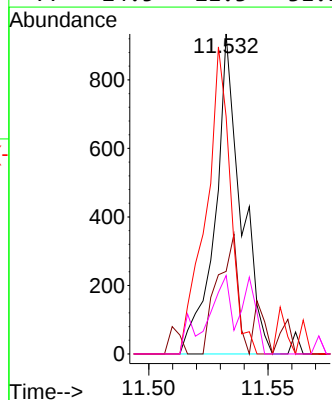
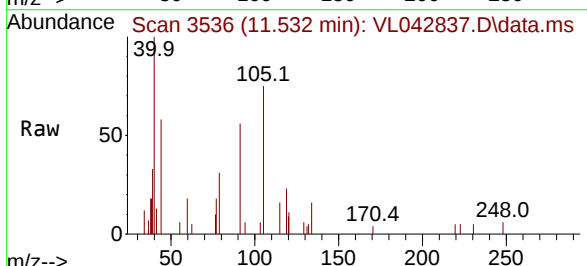
Ion Ratio Lower Upper

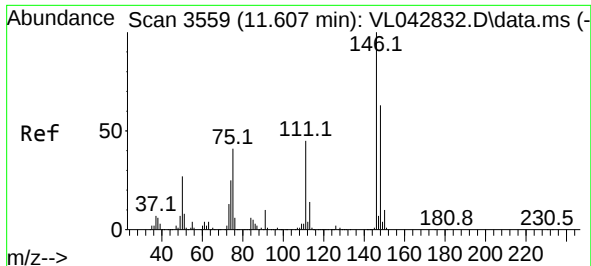
105 100

120 19.9 41.9 62.9#

91 74.2 55.5 83.3

77 24.5 21.3 31.9

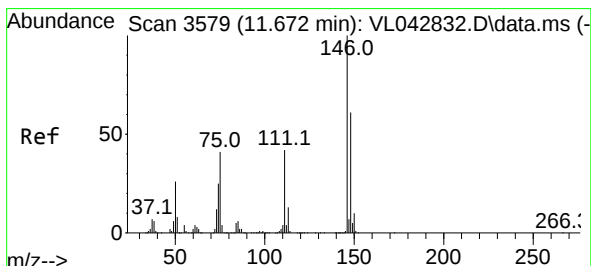
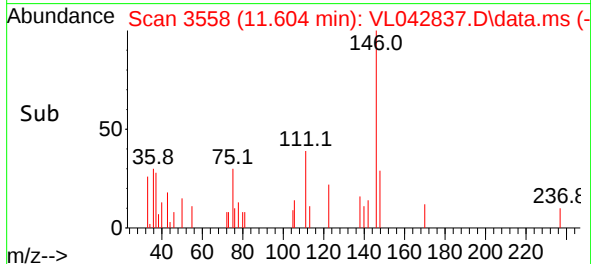
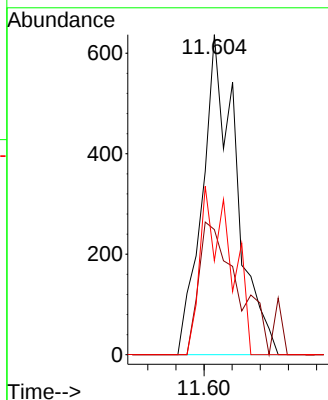
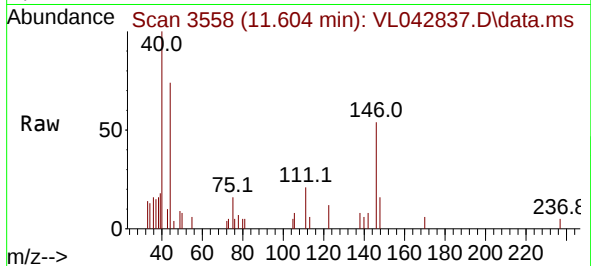




#75
1,3-Dichlorobenzene
Concen: 0.019 ppbv
RT: 11.604 min Scan# 3559
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

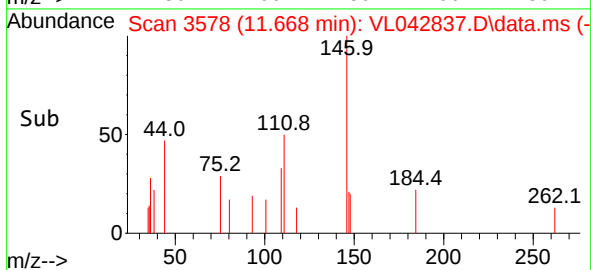
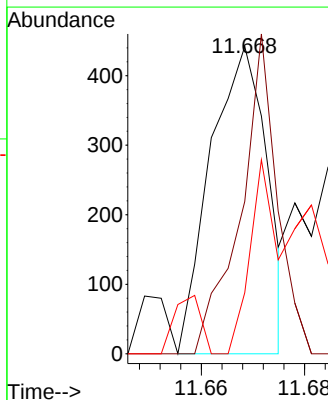
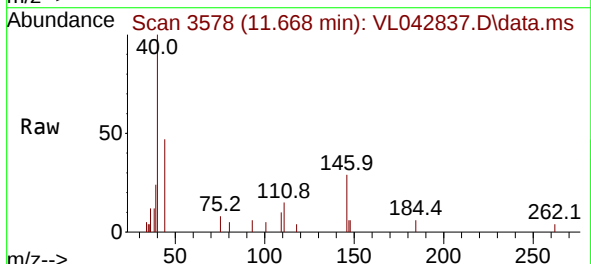
Instrument :
MSVOA_L
ClientSampleId :

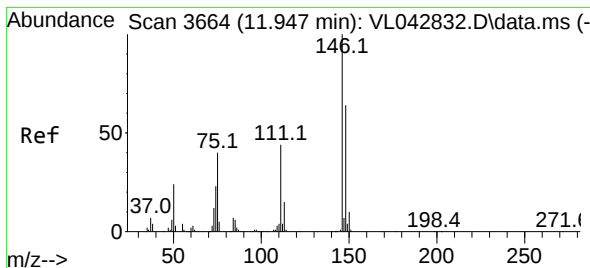
Tgt Ion:146 Resp: 535
Ion Ratio Lower Upper
146 100
111 51.0 22.4 67.0
148 46.4 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 0.013 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042837.D
Acq: 11 Aug 2025 11:32

Tgt Ion:146 Resp: 339
Ion Ratio Lower Upper
146 100
111 67.0 21.1 63.1#
148 67.6 31.3 93.8





#77

1,2-Dichlorobenzene

Concen: 0.018 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042837.D

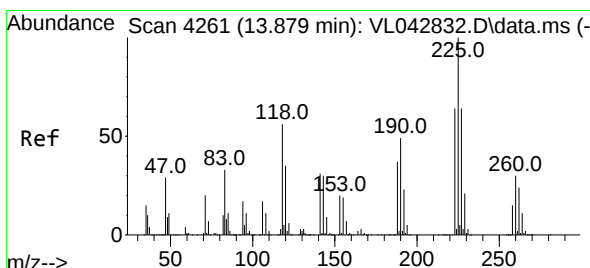
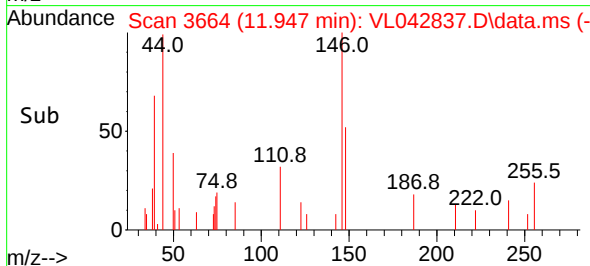
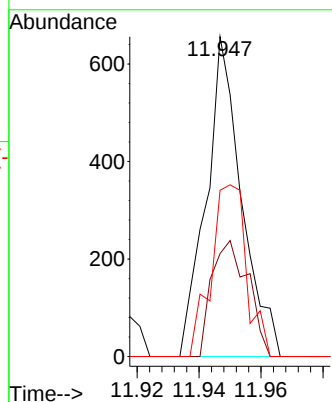
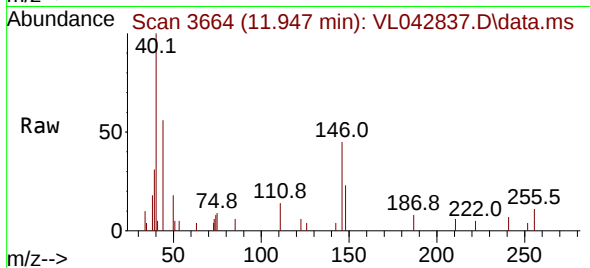
Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	520
Ion	Ratio	Lower Upper
146	100	
111	37.1	23.2 69.6
148	53.7	31.6 95.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.030 ppbv

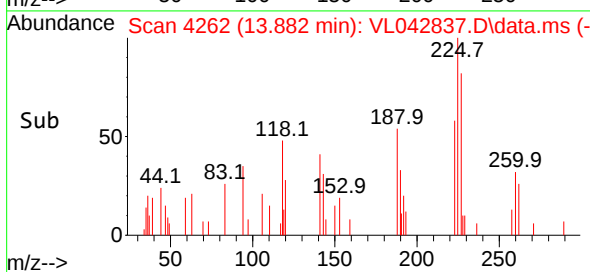
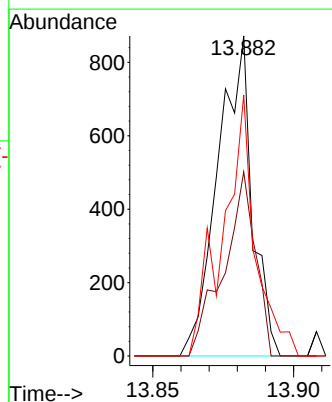
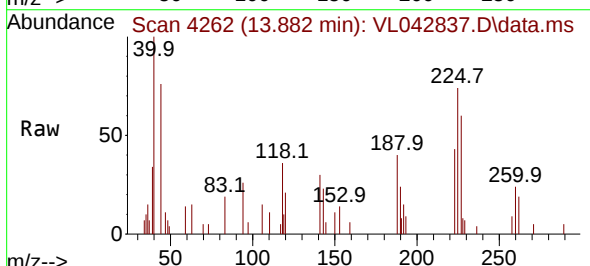
RT: 13.882 min Scan# 4262

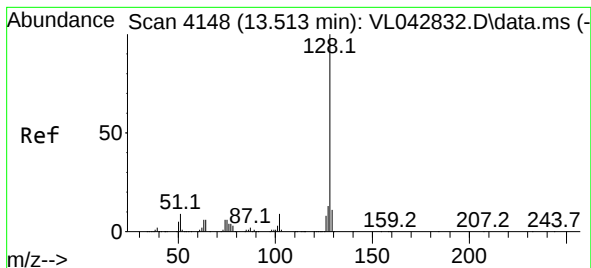
Delta R.T. 0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Tgt Ion:225	Resp:	739
Ion	Ratio	Lower Upper
225	100	
223	53.0	51.1 76.7
227	76.6	50.9 76.3#





#79

Naphthalene

Concen: 0.010 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

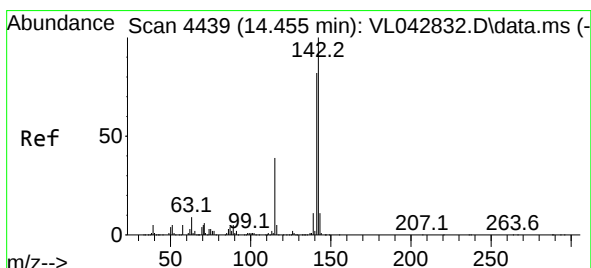
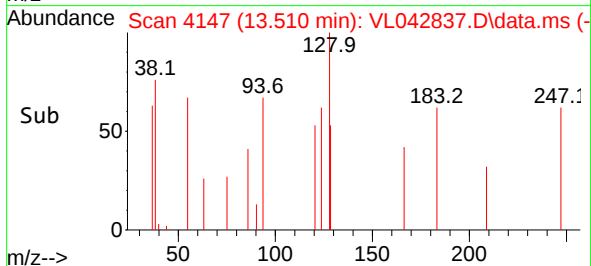
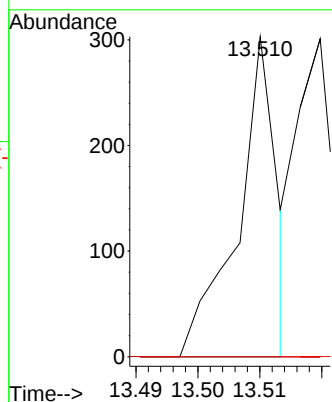
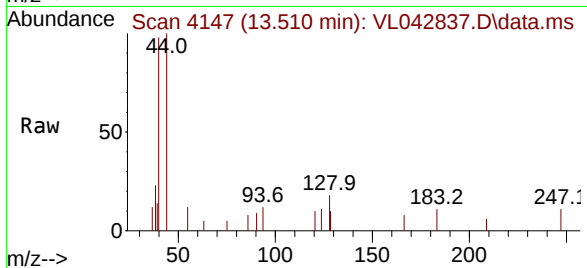
Tgt Ion:128 Resp: 133

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.9 13.3#



#80

Naphthalene,2-methyl-

Concen: 0.003 ppbv

RT: 14.429 min Scan# 4431

Delta R.T. -0.026 min

Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

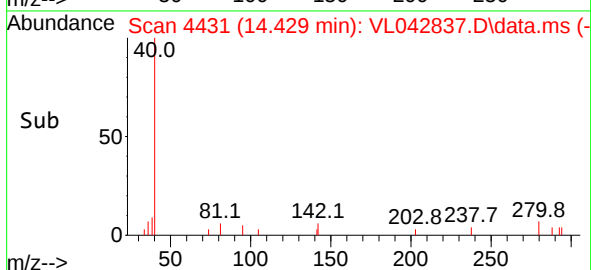
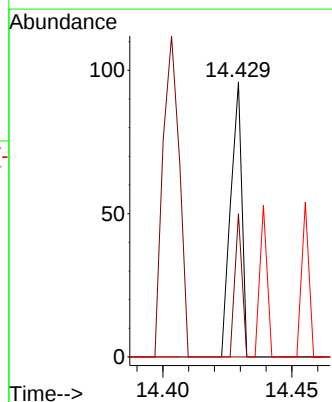
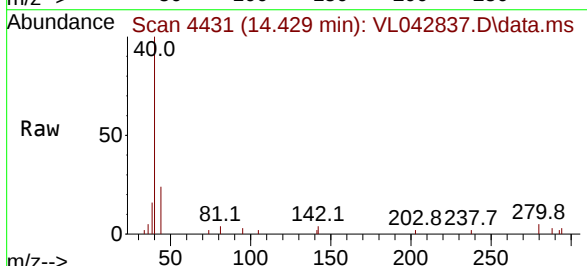
Tgt Ion:142 Resp: 29

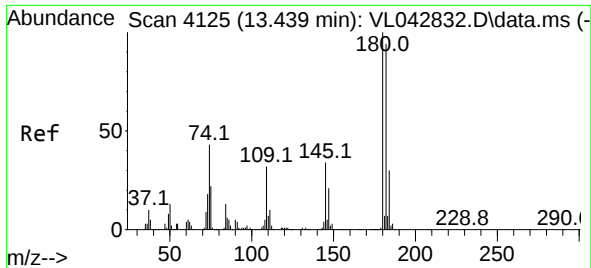
Ion Ratio Lower Upper

142 100

141 172.4 66.4 99.6#

115 0.0 30.8 46.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.006 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

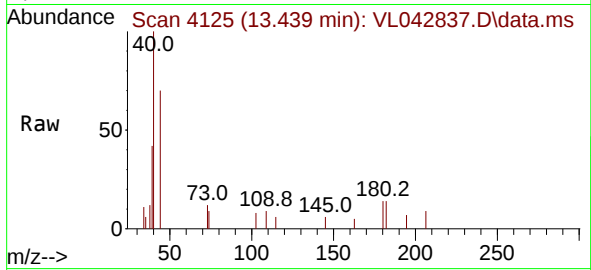
Lab File: VL042837.D

Acq: 11 Aug 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	180	Resp:	120
Ion Ratio	Lower	Upper	
180	100		
182	112.5	76.4	114.6
184	0.0	24.0	36.0#

