

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042833.D
 Acq On : 11 Aug 2025 08:53
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 02:09:28 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	2.784	49	136436	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	378133	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	323554	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	263394	10.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	37862	1.984	ppbv	99
3) Chlorodifluoromethane	1.473	51	50627	1.982	ppbv	100
4) Chloromethane	1.531	50	15950	1.993	ppbv	95
5) Vinyl Chloride	1.580	62	13431	1.758	ppbv	93
6) Bromomethane	1.667	94	5950	2.069	ppbv	91
7) Chloroethane	1.703	64	5600	1.941	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	31908	2.009	ppbv	99
9) Propene	1.483	41	19324	2.197	ppbv	97
10) Heptane	4.972	43	42198	1.984	ppbv	95
11) Trichlorofluoromethane	1.874	101	38094	1.996	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	29971	1.985	ppbv	97
13) Ethanol	1.719	45	1553	1.822	ppbv	73
14) Bromoethene	1.781	108	11265	2.043	ppbv #	96
15) Acetone	1.836	43	42551	2.216	ppbv	100
16) 1,3-Butadiene	1.606	39	16632	1.976	ppbv	99
17) tert-Butyl alcohol	2.039	59	32462	1.956	ppbv	96
18) 1,1-Dichloroethene	2.033	96	13336	2.067	ppbv	89
19) Isopropyl Alcohol	1.884	45	21514	2.068	ppbv #	97
20) Methylene Chloride	2.059	84	13067	2.076	ppbv #	90
21) Allyl Chloride	2.095	41	24023	1.974	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	14613	2.005	ppbv	88
23) Vinyl Acetate	2.460	43	46862	1.902	ppbv #	94
24) 1,1-Dichloroethane	2.405	63	30151	2.003	ppbv	99
25) Ethyl Acetate	2.829	43	85287	1.972	ppbv	99
26) Hexane	2.823	57	34580	1.814	ppbv	90
27) Carbon Disulfide	2.146	76	35593	2.057	ppbv #	80
28) Methyl tert-Butyl Ether	2.438	73	16858	1.912	ppbv	94
29) Chloroform	2.845	83	62306	2.010	ppbv	99
30) Cyclohexane	3.852	84	26332	1.971	ppbv	95
31) cis-1,2-Dichloroethene	2.716	61	36037	1.994	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	57063	1.948	ppbv	98
34) 2-Butanone	2.554	43	57705	2.049	ppbv	99
35) Carbon Tetrachloride	3.758	117	61639	1.883	ppbv	89
36) Benzene	3.651	78	72287	1.993	ppbv	99
37) 1,2-Dichloroethane	3.214	62	45369	1.926	ppbv	97
38) Trichloroethene	4.541	130	33442	1.834	ppbv	98
39) 1,2-Dichloropropane	4.305	63	16077	1.129	ppbv	96
40) 1,4-Dioxane	4.583	88	9137	1.677	ppbv #	74
41) Tetrahydrofuran	3.053	42	25425	1.886	ppbv	98
42) Bromodichloromethane	4.480	83	62036	1.956	ppbv	99
43) Methyl Methacrylate	4.875	69	11480	0.969	ppbv #	1
44) 2,2,4-Trimethylpentane	4.632	57	123560	2.030	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	13800	1.054	ppbv	92

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

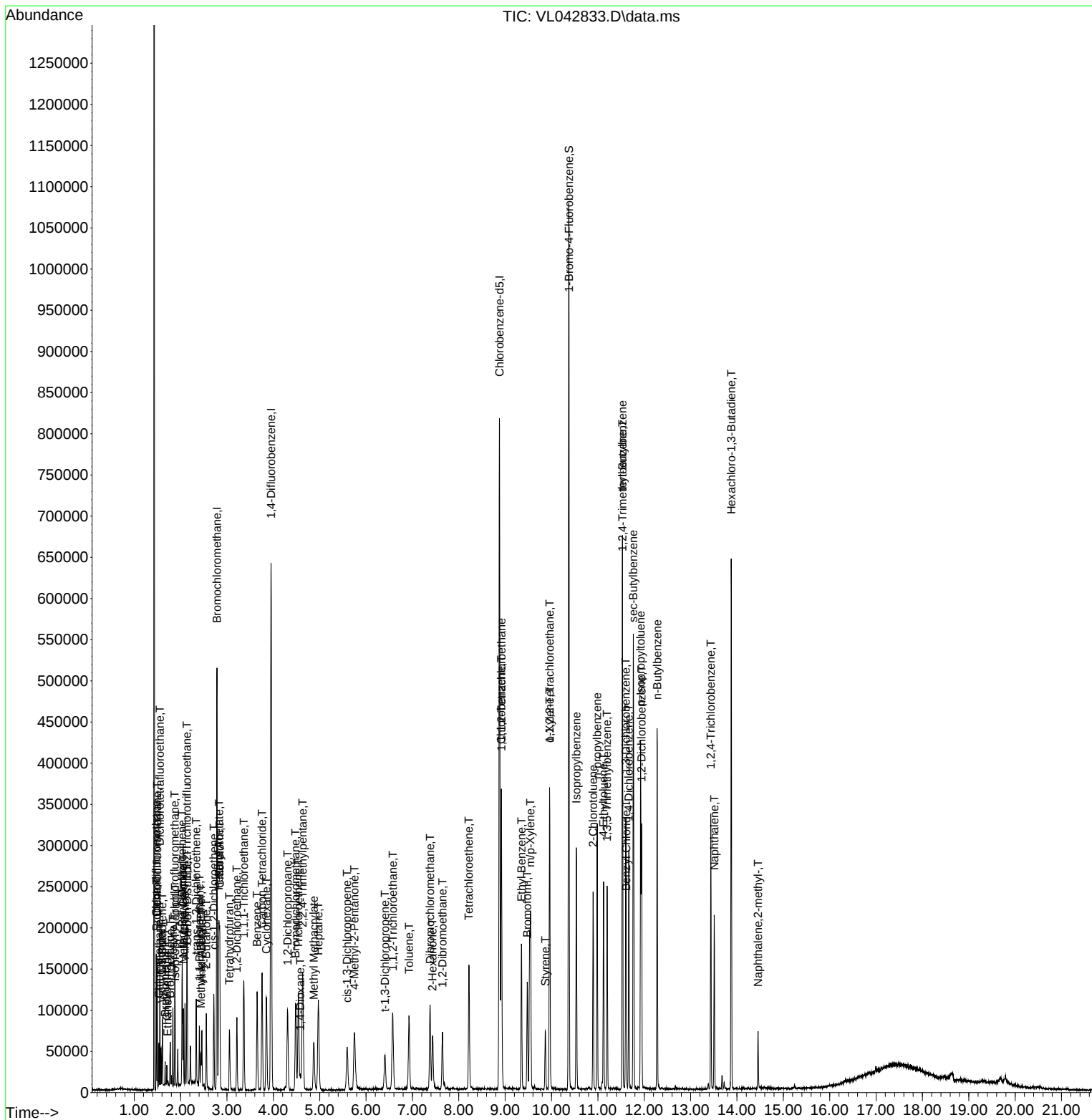
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 MSVOA_L
 ClientSampleId :

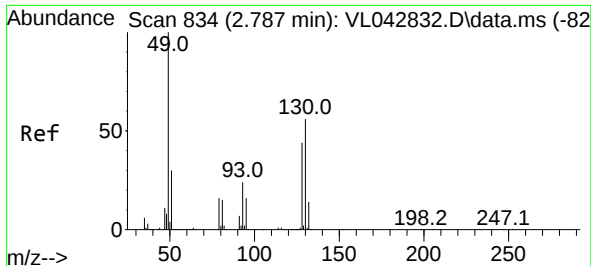
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	31414	1.795	ppbv	# 87
47) 1,1,2-Trichloroethane	6.577	97	30638	1.986	ppbv	89
48) Dibromochloromethane	7.383	129	48971	1.953	ppbv	99
49) Bromoform	9.477	173	43100	1.960	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	60810	1.869	ppbv	98
51) 2-Hexanone	7.435	43	43812	1.817	ppbv	# 95
52) Tetrachloroethene	8.218	164	26000	1.916	ppbv	95
53) Toluene	6.930	91	61622	1.794	ppbv	99
54) 1,2-Dibromoethane	7.649	107	40342	1.946	ppbv	81
56) 1,1,1,2-Tetrachloroethane	8.921	131	38337	1.928	ppbv	95
57) Chlorobenzene	8.917	112	68770	1.997	ppbv	91
58) Ethyl Benzene	9.354	91	88755	1.888	ppbv	96
59) m/p-Xylene	9.545	91	92492	2.281	ppbv	# 100
60) o-Xylene	9.960	91	81175	2.040	ppbv	99
61) Styrene	9.866	104	24964	1.787	ppbv	98
62) Isopropylbenzene	10.536	105	121668	2.018	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	58952	1.988	ppbv	99
64) n-propylbenzene	10.986	120	33197	2.125	ppbv	98
65) tert-Butylbenzene	11.529	119	115127	2.158	ppbv	97
66) Benzyl Chloride	11.610	91	10698	1.873	ppbv	98
67) sec-Butylbenzene	11.762	105	171888	2.183	ppbv	99
69) p-Isopropyltoluene	11.924	119	136138	2.176	ppbv	99
70) n-Butylbenzene	12.280	91	136121	2.182	ppbv	99
71) 2-Chlorotoluene	10.898	91	88818	2.008	ppbv	98
72) 4-Ethyltoluene	11.121	105	98572	2.067	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	87782	2.137	ppbv	99
74) 1,2,4-Trimethylbenzene	11.533	105	107778	2.236	ppbv	93
75) 1,3-Dichlorobenzene	11.604	146	72450	2.092	ppbv	98
76) 1,4-Dichlorobenzene	11.665	146	66921	2.065	ppbv	97
77) 1,2-Dichlorobenzene	11.944	146	74132	2.104	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	65421	2.171	ppbv	99
79) Naphthalene	13.510	128	89015	2.432	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	20186	1.921	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	52683	2.295	ppbv	98

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

Quant Time: Aug 12 02:09:28 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

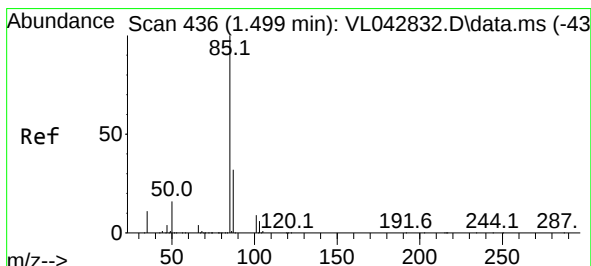
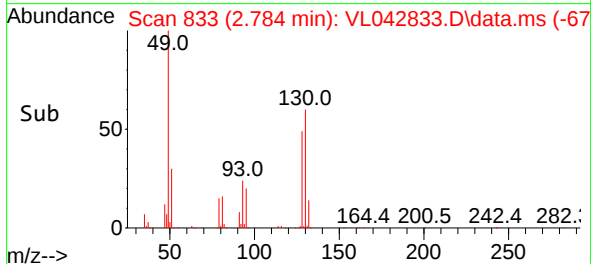
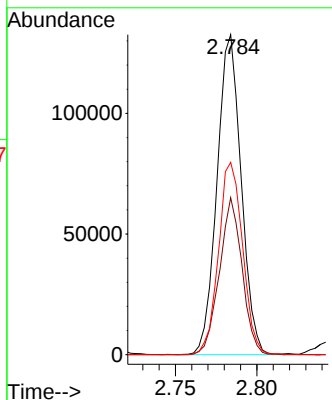
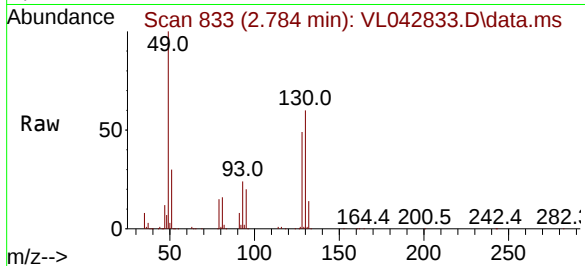




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

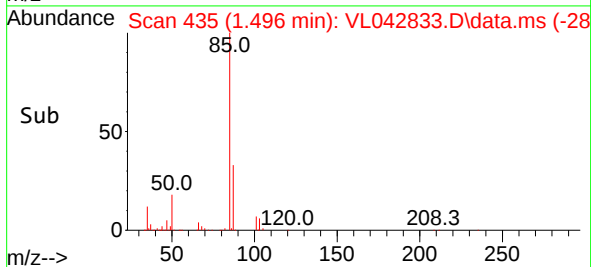
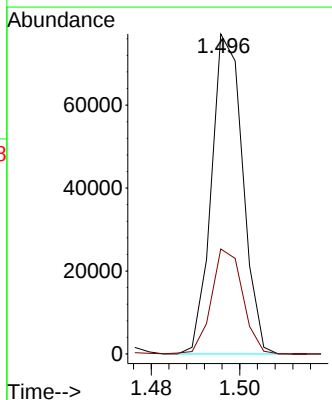
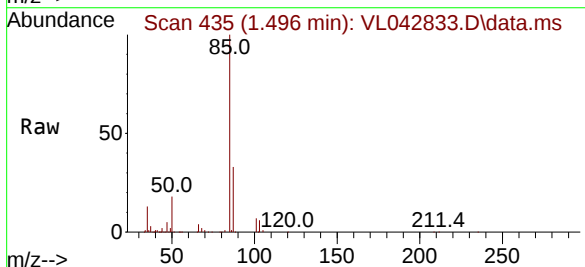
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MSVOA_L
ClientSampleId :

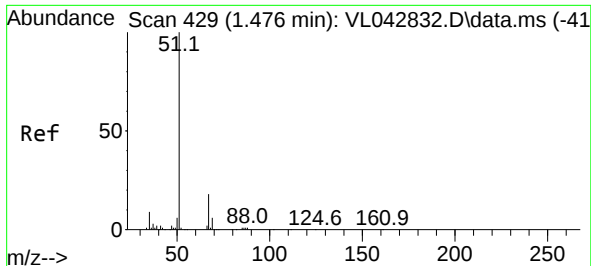
Tgt Ion: 49 Resp: 136436
Ion Ratio Lower Upper
49 100
128 46.0 23.2 69.6
130 60.0 29.0 87.1



#2
Dichlorodifluoromethane
Concen: 1.984 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 85 Resp: 37862
Ion Ratio Lower Upper
85 100
87 32.7 25.9 38.9

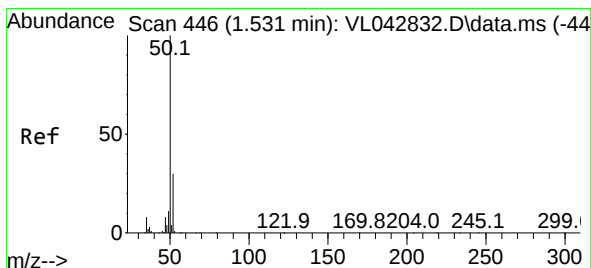
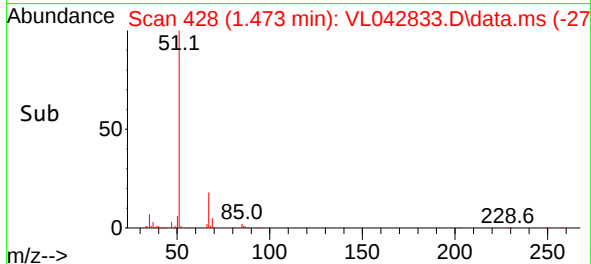
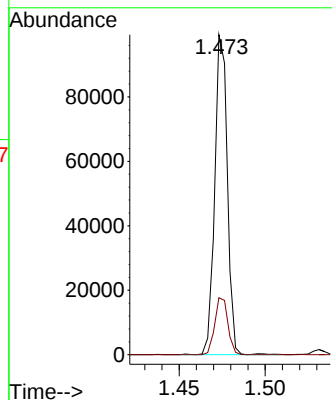
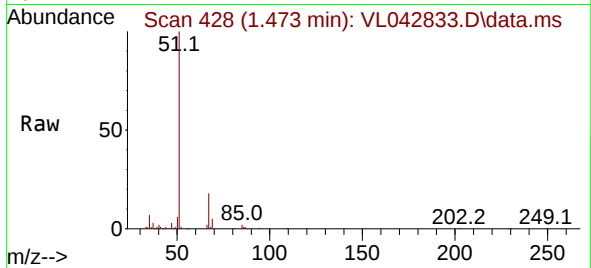




#3
Chlorodifluoromethane
Concen: 1.982 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

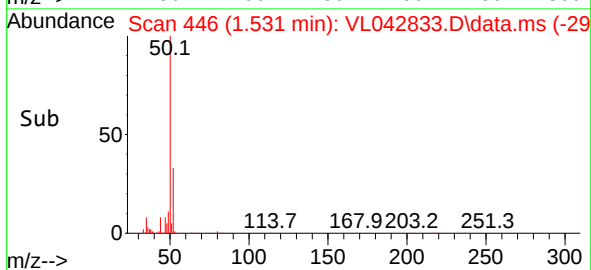
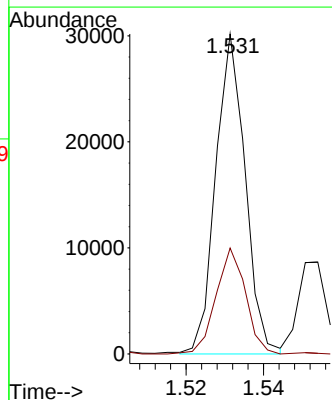
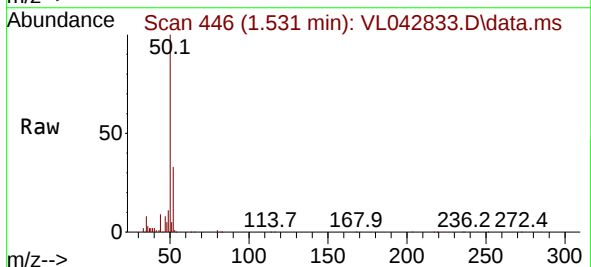
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MSVOA_L
ClientSampleId :

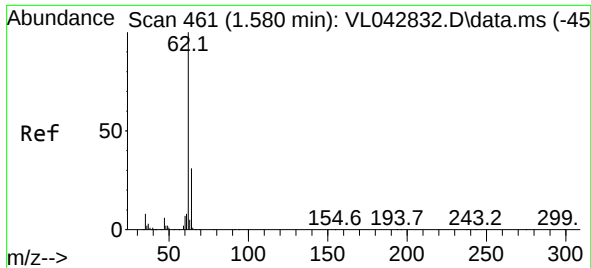
Tgt Ion: 51 Resp: 50627
Ion Ratio Lower Upper
51 100
67 18.5 14.7 22.1



#4
Chloromethane
Concen: 1.993 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 50 Resp: 15950
Ion Ratio Lower Upper
50 100
52 33.2 24.3 36.5

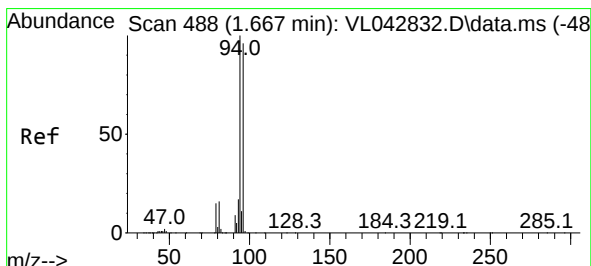
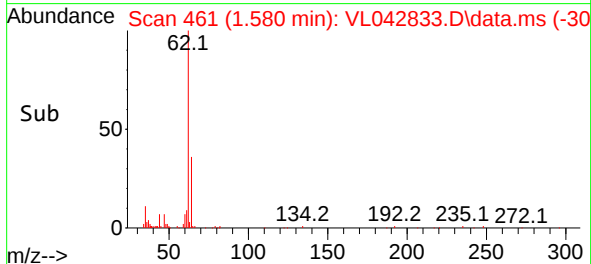
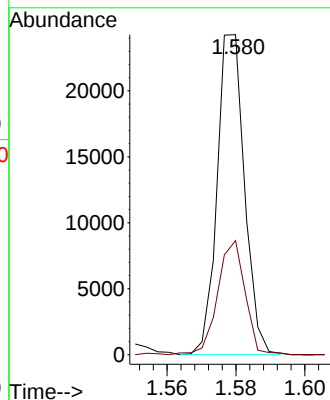
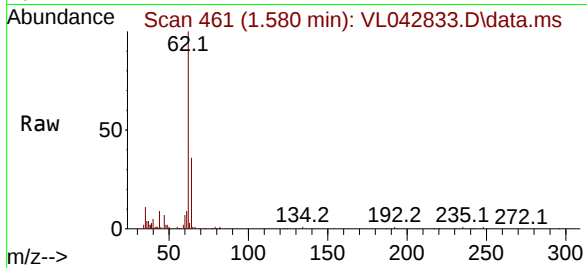




#5
 Vinyl Chloride
 Concen: 1.758 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

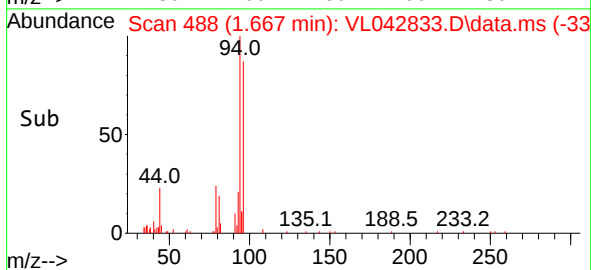
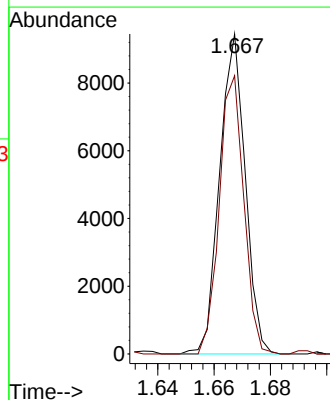
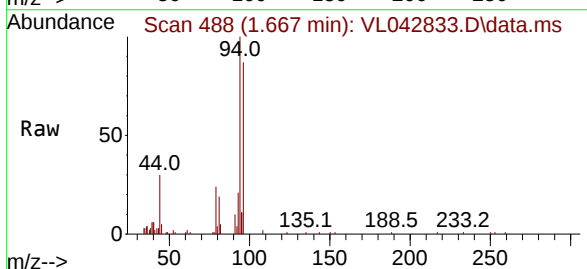
Instrument :
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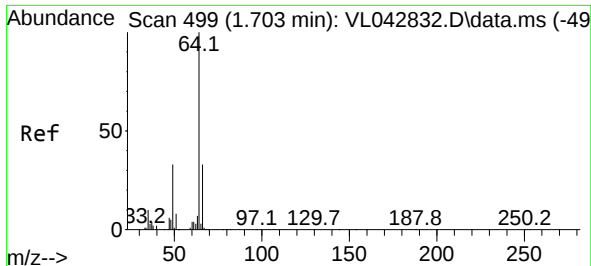
Tgt Ion: 62 Resp: 13431
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.9 37.3



#6
 Bromomethane
 Concen: 2.069 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion: 94 Resp: 5950
 Ion Ratio Lower Upper
 94 100
 96 87.0 76.2 114.4

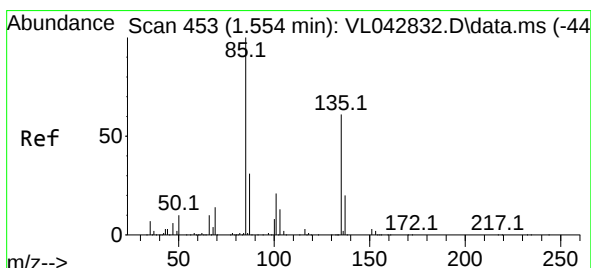
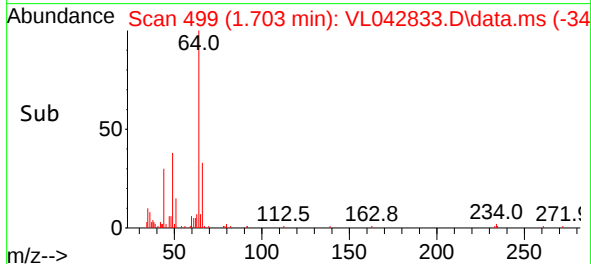
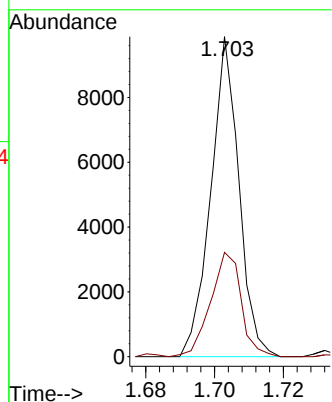
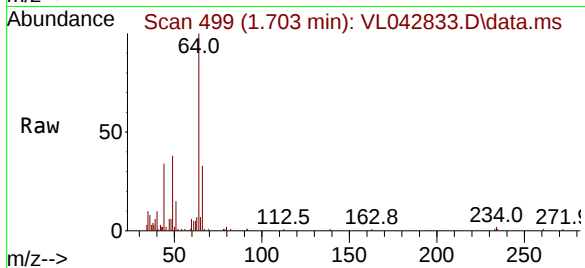




#7
Chloroethane
Concen: 1.941 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

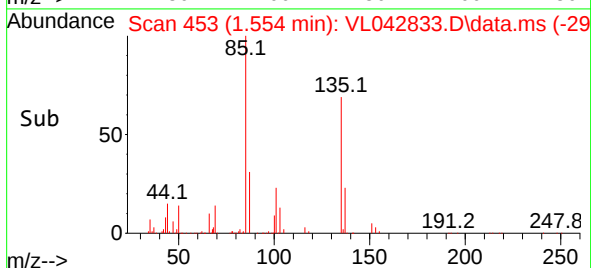
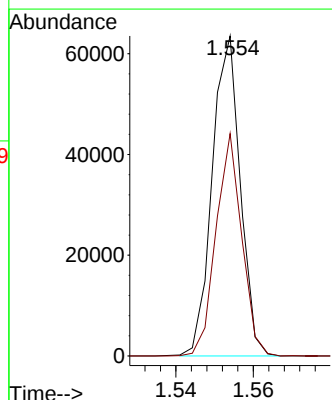
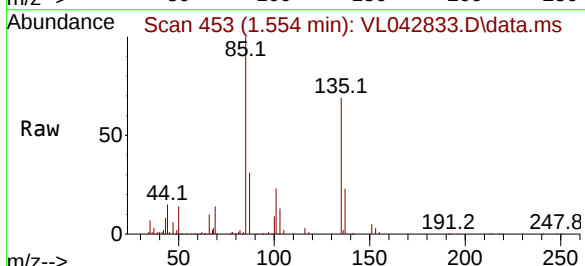
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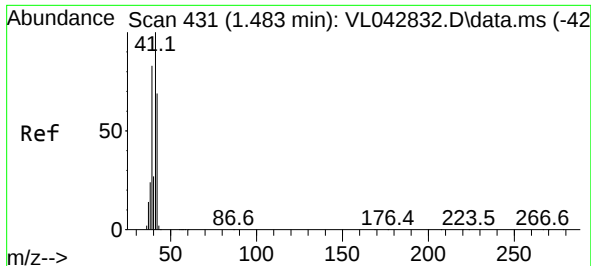
Tgt Ion: 64 Resp: 5600
Ion Ratio Lower Upper
64 100
66 32.6 26.6 40.0



#8
Dichlorotetrafluoroethane
Concen: 2.009 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 85 Resp: 31908
Ion Ratio Lower Upper
85 100
135 63.9 51.8 77.8





#9

Propene

Concen: 2.197 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

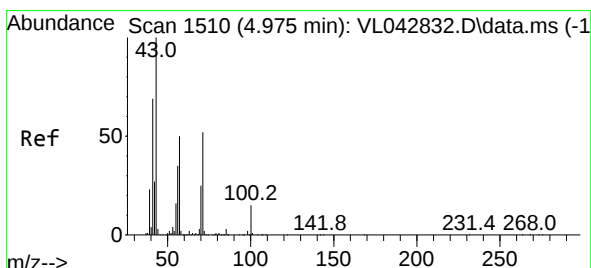
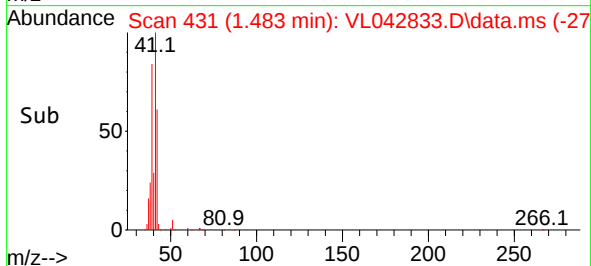
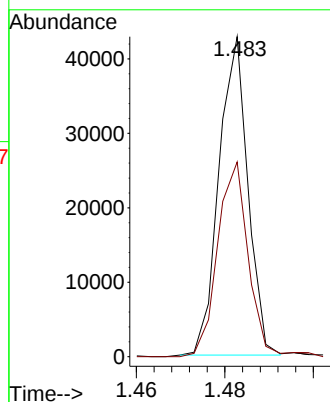
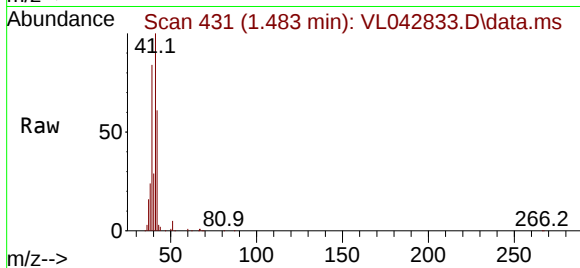
ClientSampleId :

Tgt Ion: 41 Resp: 19324

Ion Ratio Lower Upper

41 100

42 66.5 55.4 83.0



#10

Heptane

Concen: 1.984 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.003 min

Lab File: VL042833.D

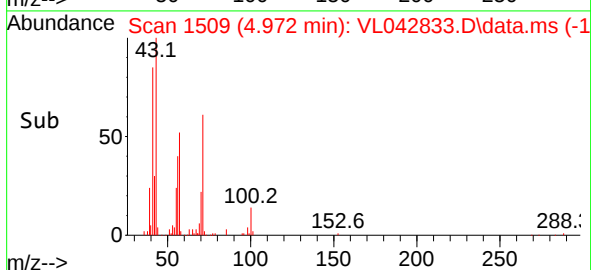
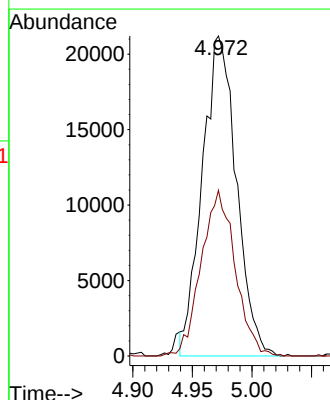
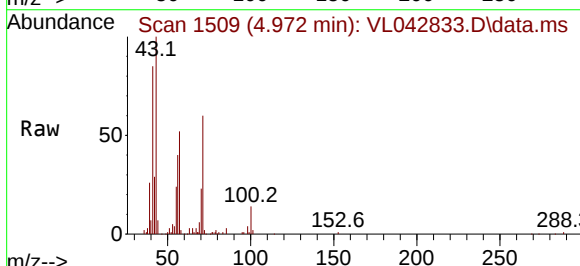
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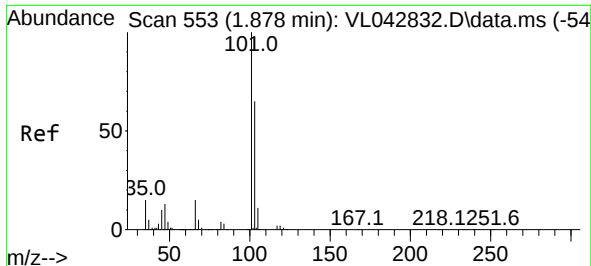
Tgt Ion: 43 Resp: 42198

Ion Ratio Lower Upper

43 100

57 51.6 38.7 58.1

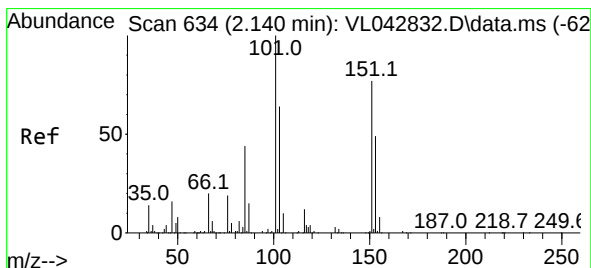
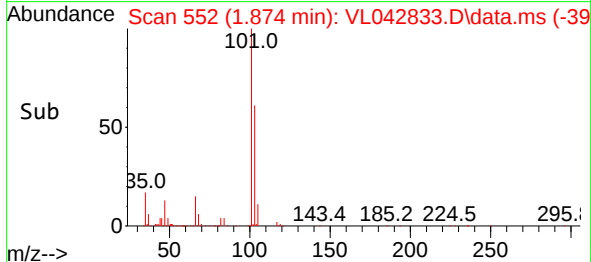
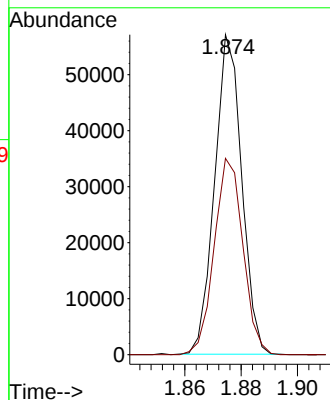
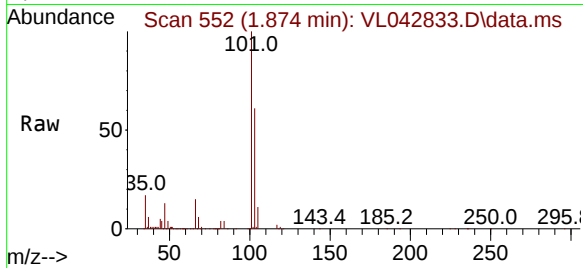




#11
 Trichlorofluoromethane
 Concen: 1.996 ppbv
 RT: 1.874 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

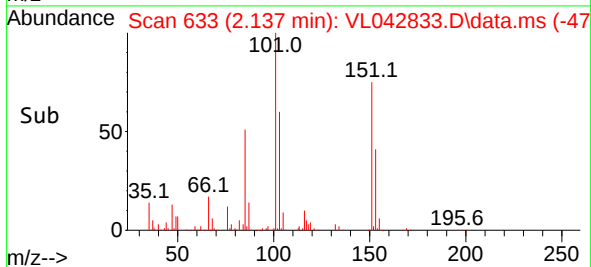
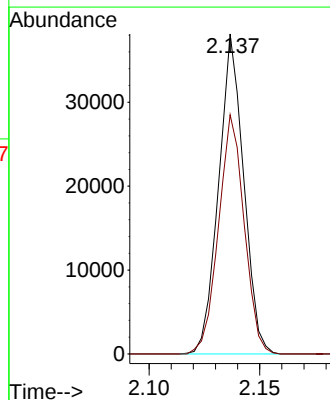
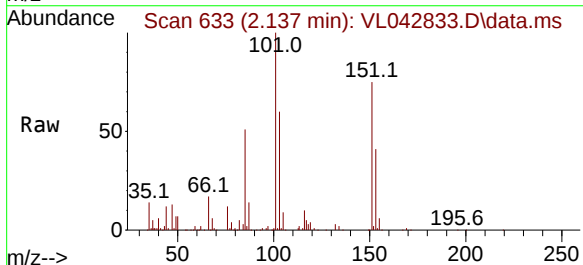
Instrument :
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 ClientSampleId :

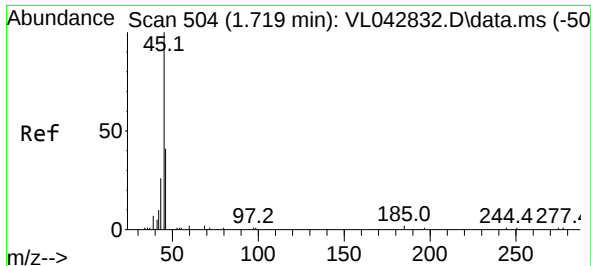
Tgt Ion:101 Resp: 38094
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.985 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion:101 Resp: 29971
 Ion Ratio Lower Upper
 101 100
 151 76.6 59.3 88.9

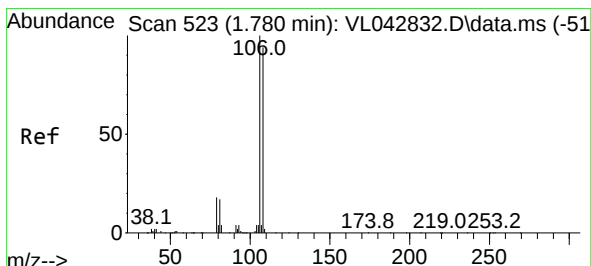
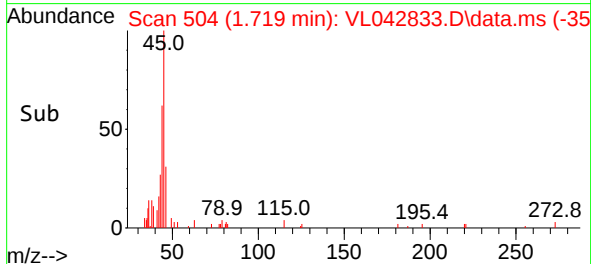
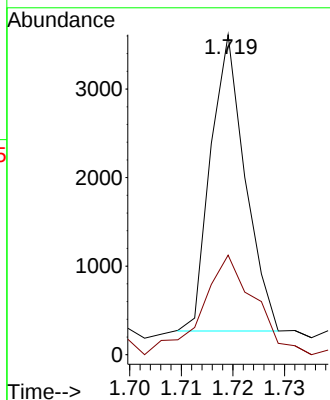
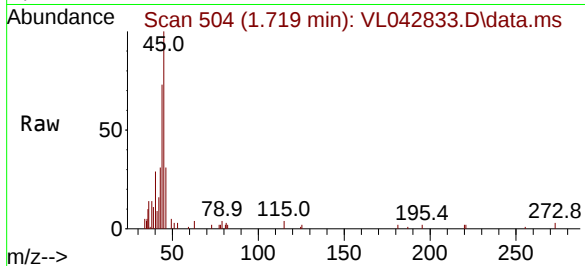




#13
Ethanol
Concen: 1.822 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

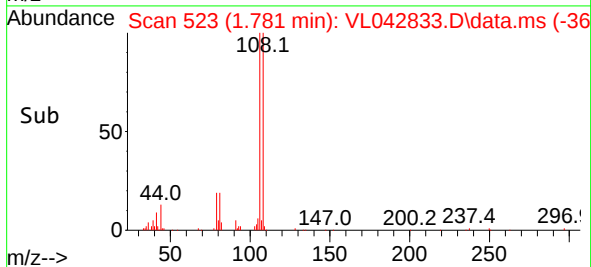
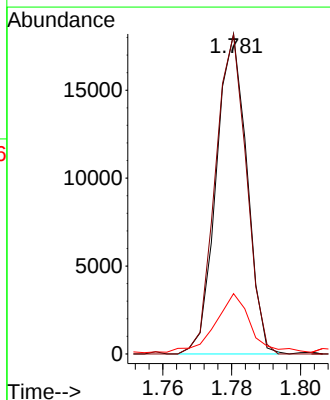
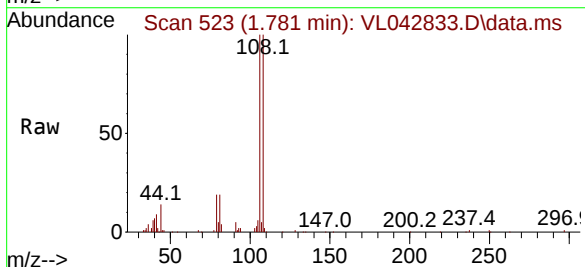
Instrument :
MSVOA_L
ClientSampleId :

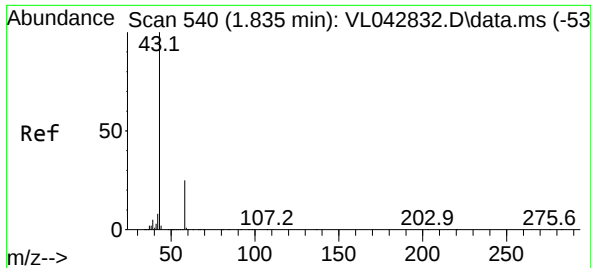
Tgt Ion: 45 Resp: 1553
Ion Ratio Lower Upper
45 100
46 62.9 18.1 72.5



#14
Bromoethene
Concen: 2.043 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 108 Resp: 11265
Ion Ratio Lower Upper
108 100
106 101.1 82.6 123.8
79 25.7 15.9 23.9#

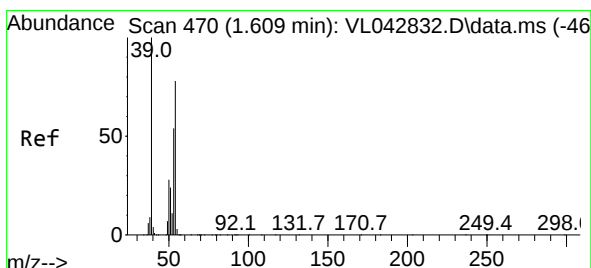
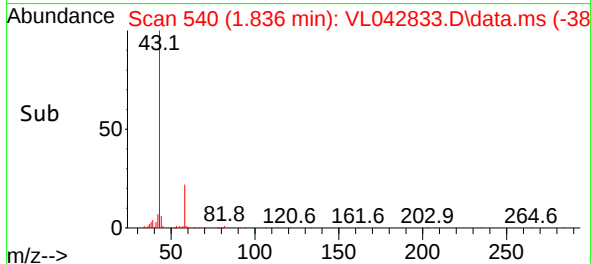
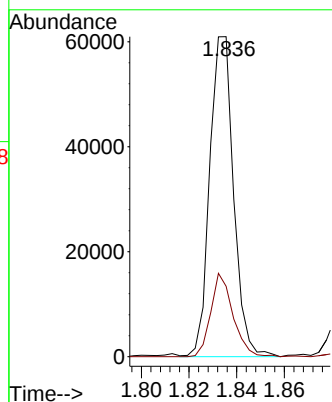
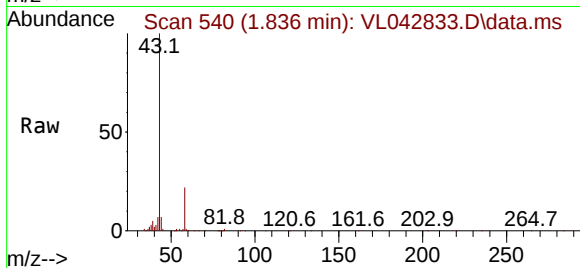




#15
Acetone
Concen: 2.216 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

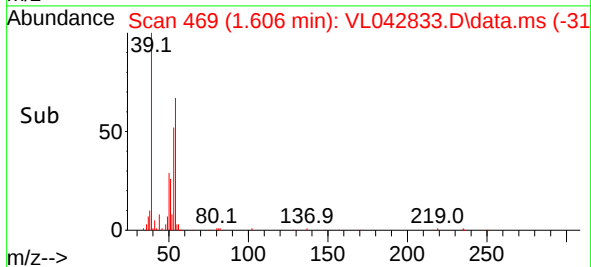
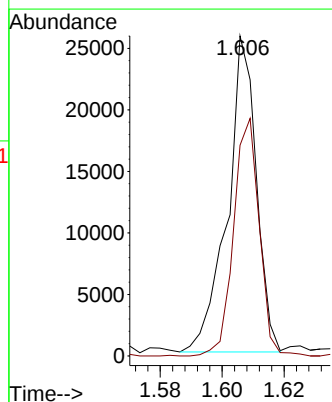
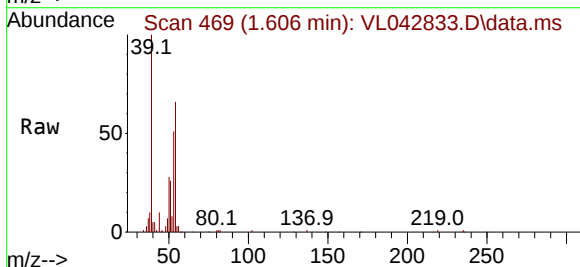
Instrument :
MSVOA_L
ClientSampleId :

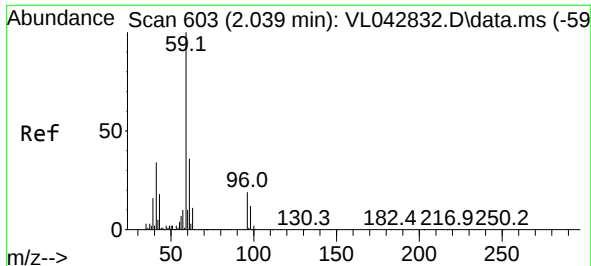
Tgt Ion: 43 Resp: 42551
Ion Ratio Lower Upper
43 100
58 24.2 19.5 29.3



#16
1,3-Butadiene
Concen: 1.976 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 39 Resp: 16632
Ion Ratio Lower Upper
39 100
54 67.0 54.1 81.1





#17

tert-Butyl alcohol

Concen: 1.956 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

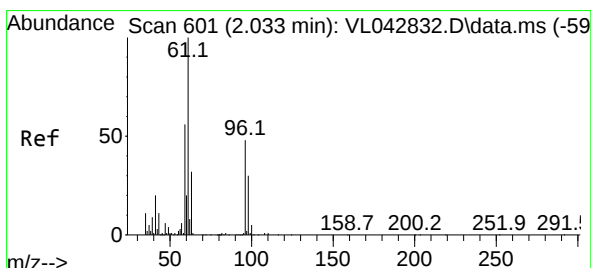
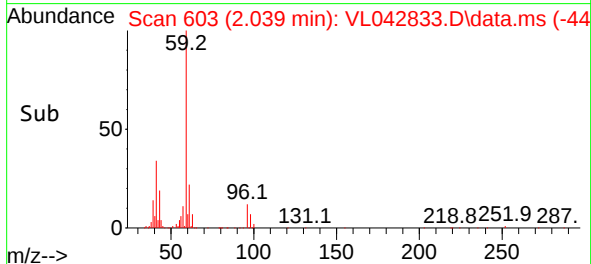
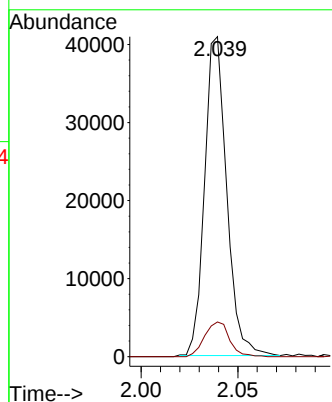
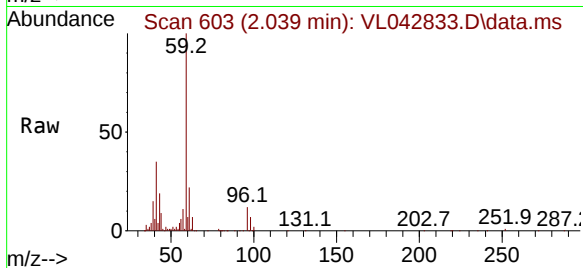
ClientSampleId :

Tgt Ion: 59 Resp: 32462

Ion Ratio Lower Upper

59 100

57 12.3 8.7 13.1



#18

1,1-Dichloroethene

Concen: 2.067 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

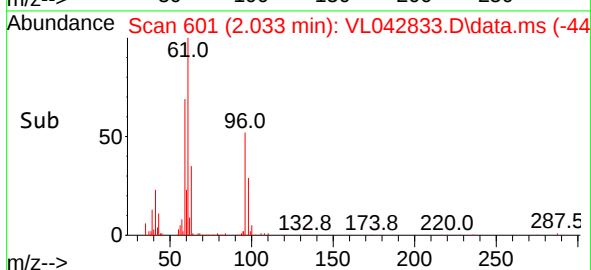
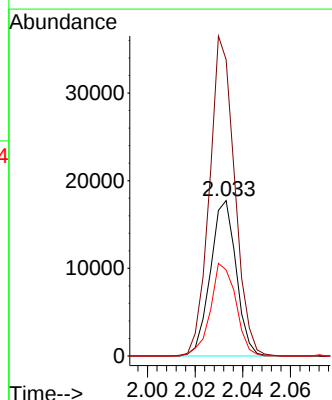
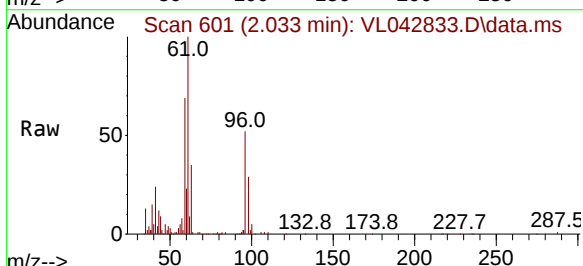
Tgt Ion: 96 Resp: 13336

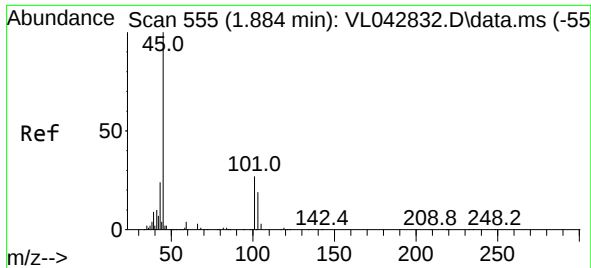
Ion Ratio Lower Upper

96 100

61 190.7 167.9 251.9

98 55.4 49.6 74.4

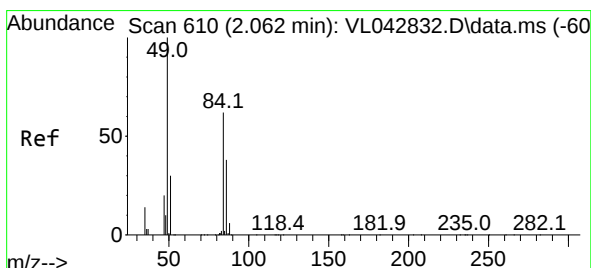
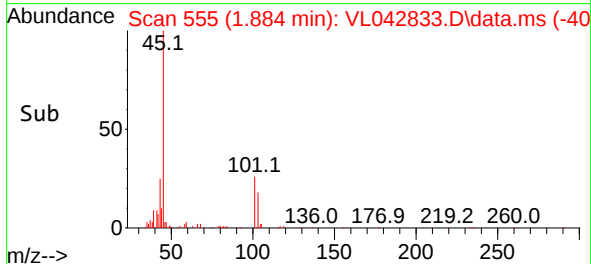
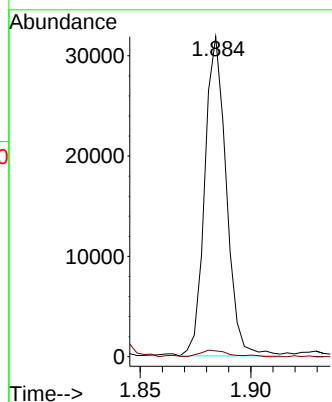
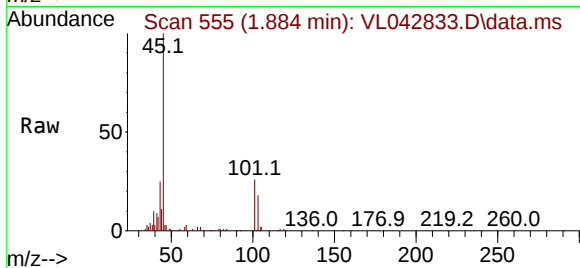




#19
Isopropyl Alcohol
Concen: 2.068 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

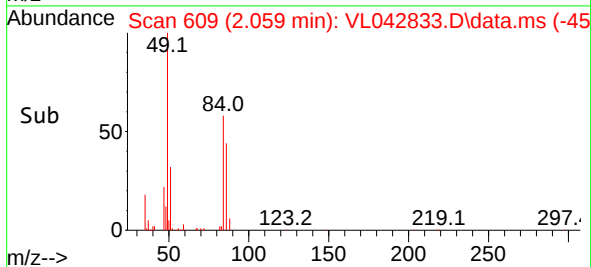
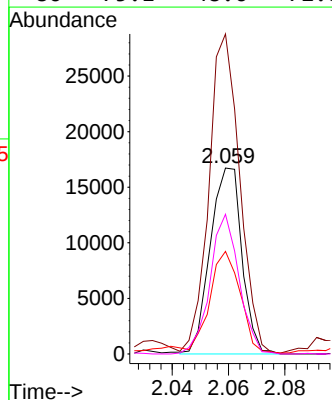
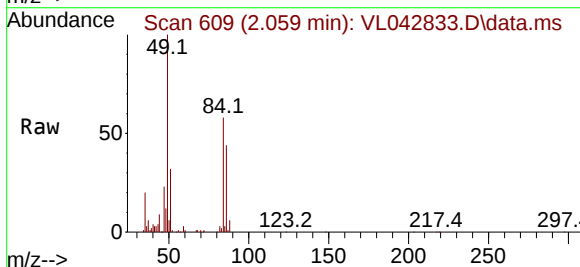
Instrument :
MSVOA_L
ClientSampleId :

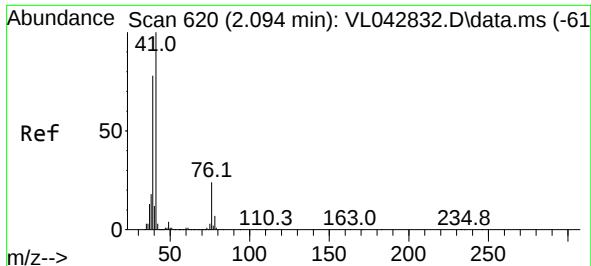
Tgt Ion: 45 Resp: 21514
Ion Ratio Lower Upper
45 100
58 2.9 1.6 2.4#



#20
Methylene Chloride
Concen: 2.076 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 84 Resp: 13067
Ion Ratio Lower Upper
84 100
49 171.7 129.3 193.9
51 54.7 41.1 61.7
86 75.1 48.6 72.8#

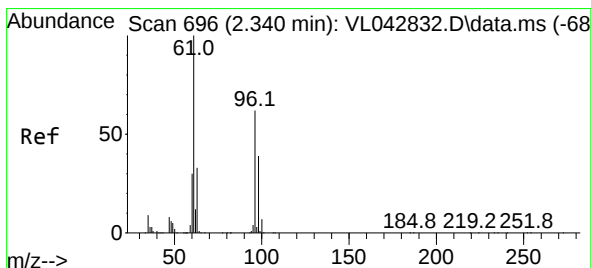
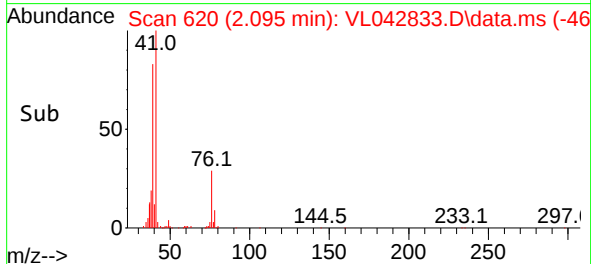
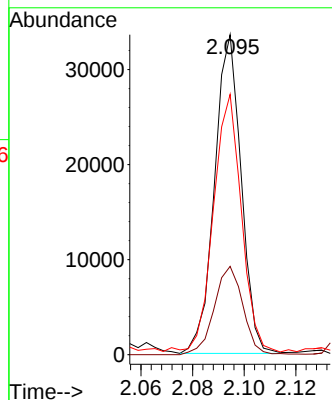
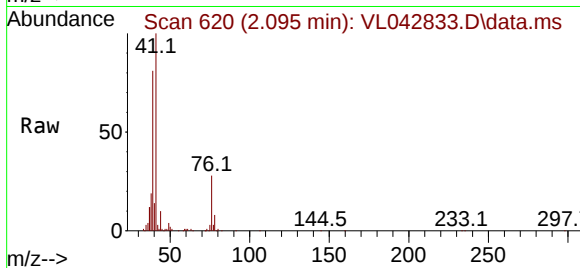




#21
 Allyl Chloride
 Concen: 1.974 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

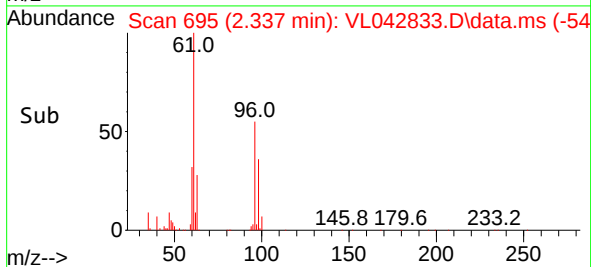
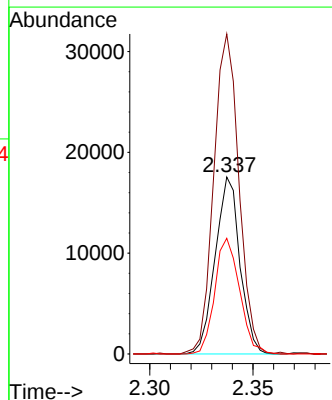
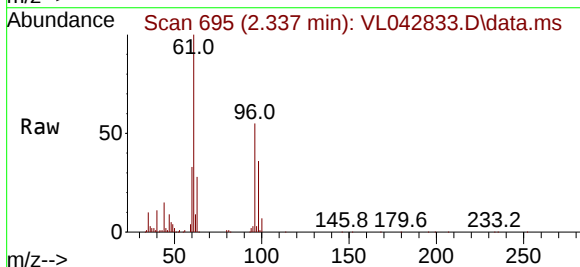
Instrument :
 MSVOA_L
 ClientSampleId :

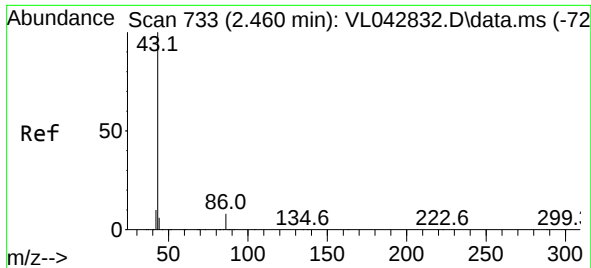
Tgt Ion: 41 Resp: 24023
 Ion Ratio Lower Upper
 41 100
 76 30.0 20.4 30.6
 39 85.9 66.2 99.2



#22
 trans-1,2-Dichloroethene
 Concen: 2.005 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion: 96 Resp: 14613
 Ion Ratio Lower Upper
 96 100
 61 180.9 128.1 192.1
 98 65.4 50.2 75.4

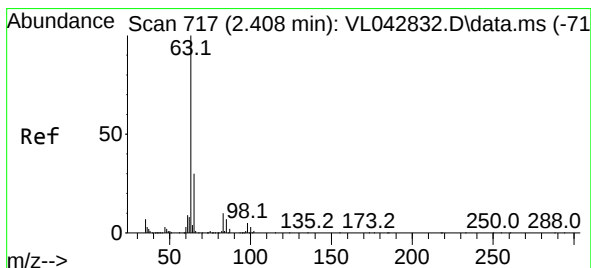
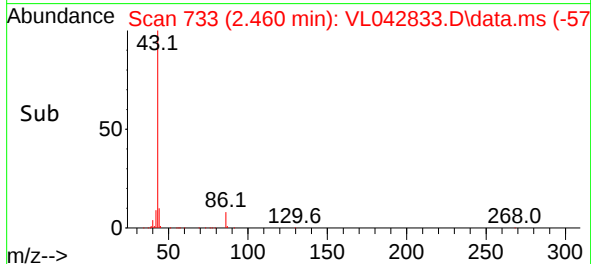
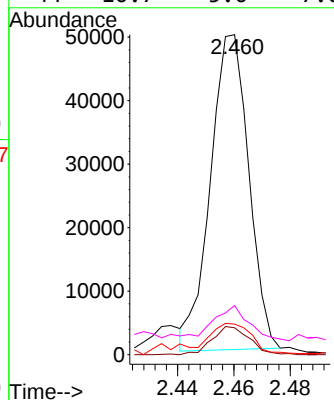
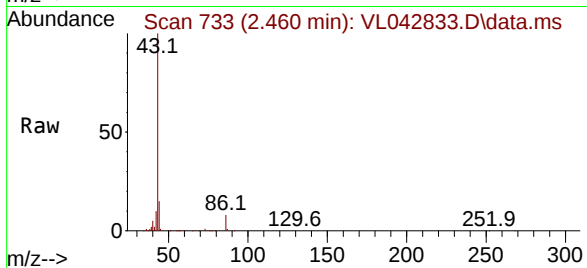




#23
 Vinyl Acetate
 Concen: 1.902 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

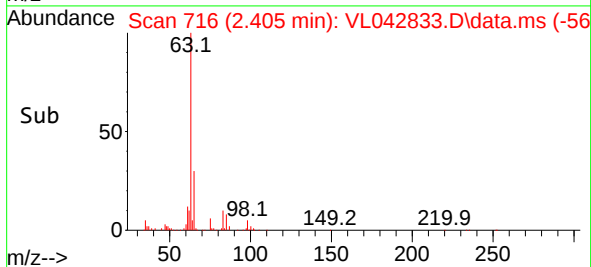
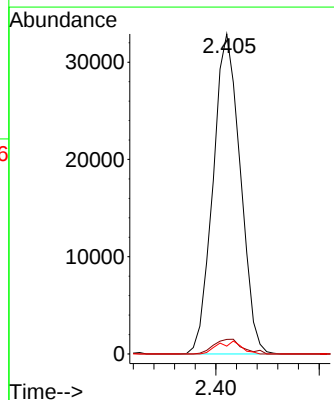
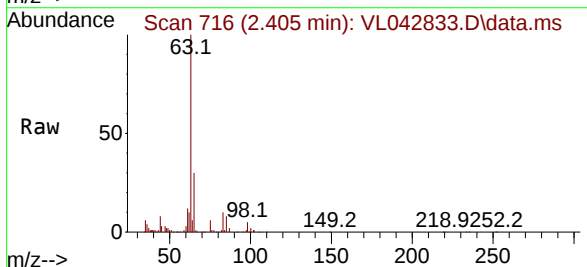
Instrument :
 MSVOA_L
 ClientSampleId :

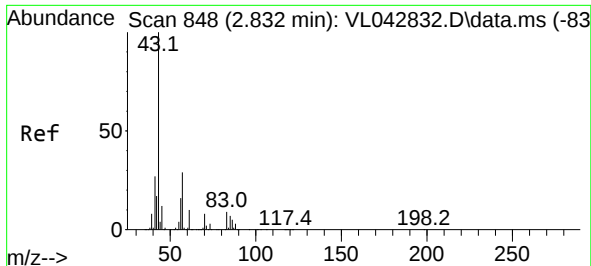
Tgt Ion: 43	Resp: 46862
Ion Ratio	Lower Upper
43 100	
86 8.6	6.0 9.0
42 9.0	8.5 12.7
44 10.7	5.0 7.6#



#24
 1,1-Dichloroethane
 Concen: 2.003 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion: 63	Resp: 30151
Ion Ratio	Lower Upper
63 100	
98 4.6	2.4 7.1
100 2.4	1.6 4.7

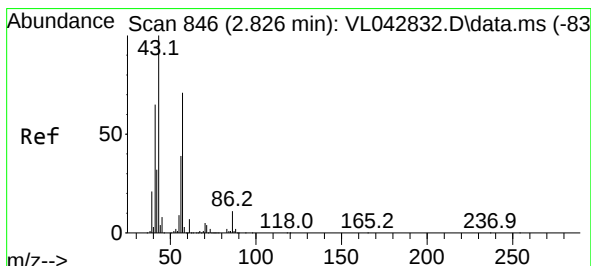
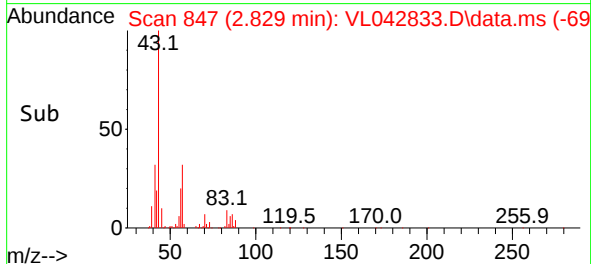
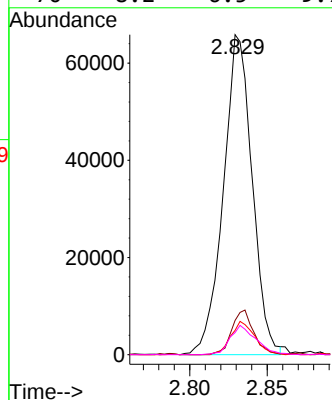
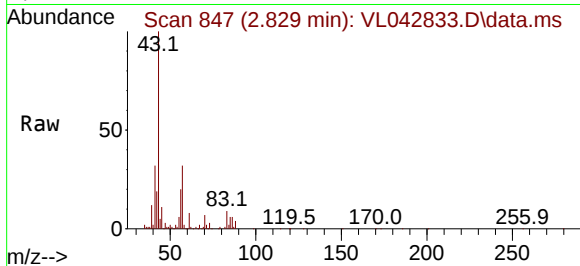




#25
Ethyl Acetate
Concen: 1.972 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

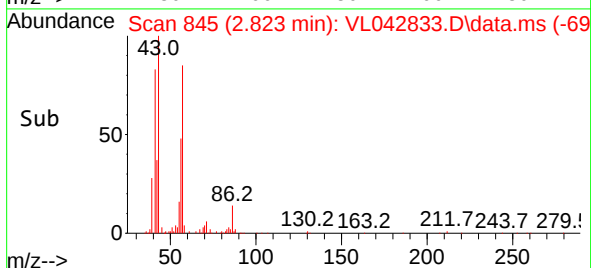
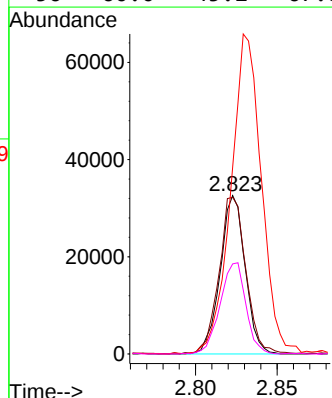
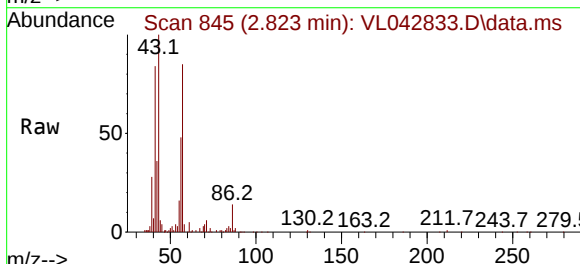
Instrument :
MSVOA_L
ClientSampleId :

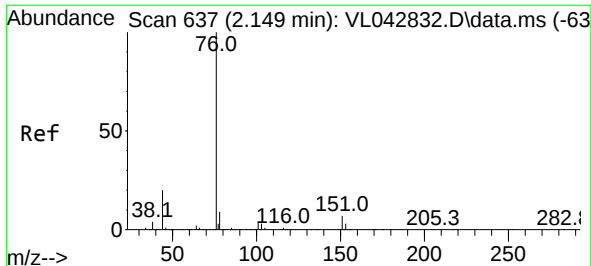
Tgt Ion: 43 Resp: 85287
Ion Ratio Lower Upper
43 100
45 11.0 7.8 11.8
61 8.8 7.0 10.6
70 8.2 6.5 9.7



#26
Hexane
Concen: 1.814 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 57 Resp: 34580
Ion Ratio Lower Upper
57 100
41 108.3 76.8 115.2
43 250.1 185.4 278.2
56 60.0 45.2 67.8





#27

Carbon Disulfide

Concen: 2.057 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

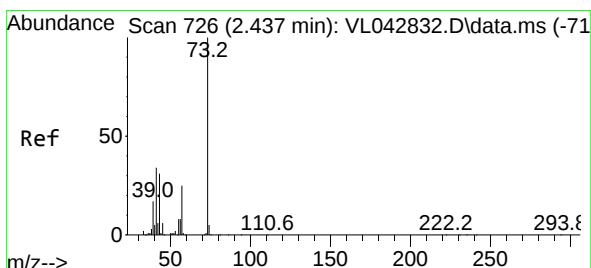
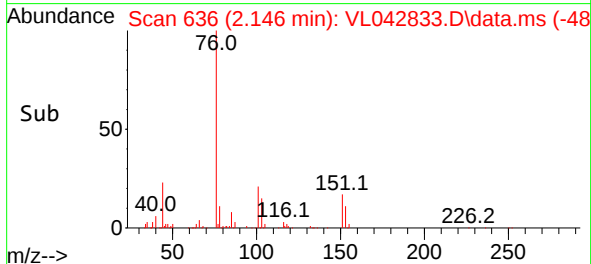
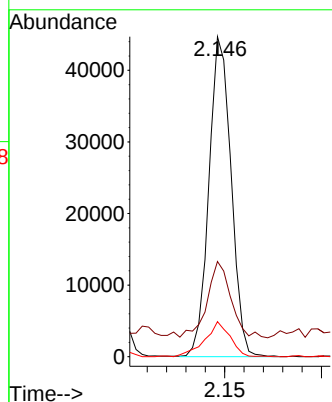
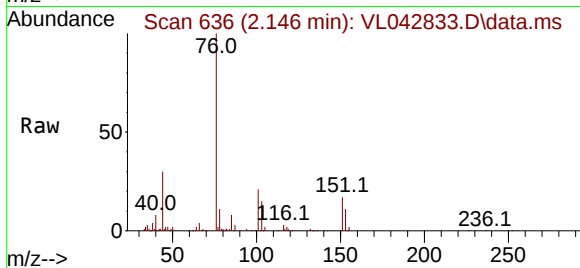
Tgt Ion: 76 Resp: 35593

Ion Ratio Lower Upper

76 100

44 38.3 19.4 29.0#

78 12.4 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 1.912 ppbv

RT: 2.438 min Scan# 726

Delta R.T. 0.000 min

Lab File: VL042833.D

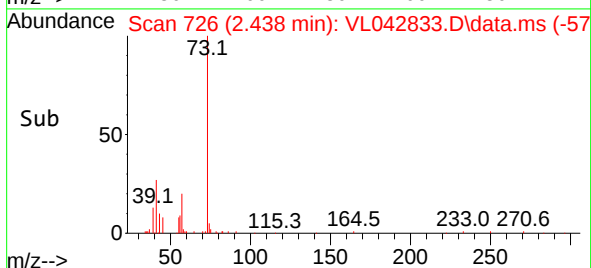
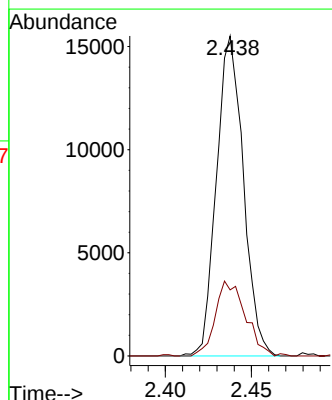
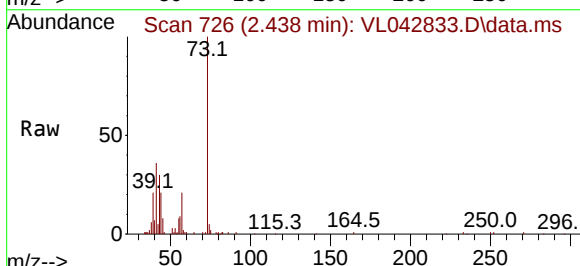
Acq: 11 Aug 2025 08:53

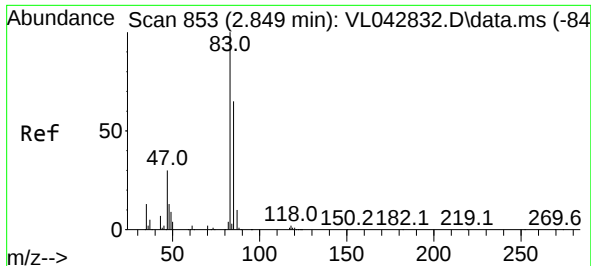
Tgt Ion: 73 Resp: 16858

Ion Ratio Lower Upper

73 100

57 26.4 18.9 28.3





#29

Chloroform

Concen: 2.010 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

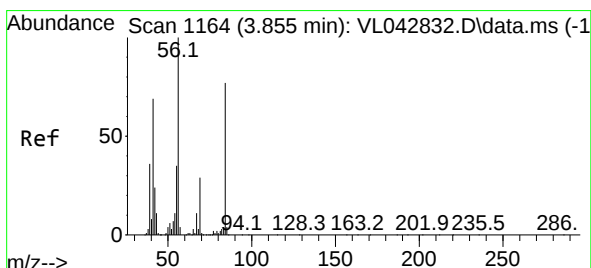
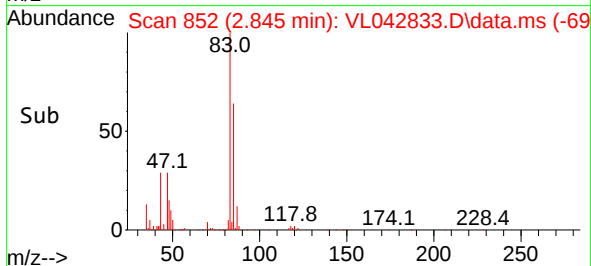
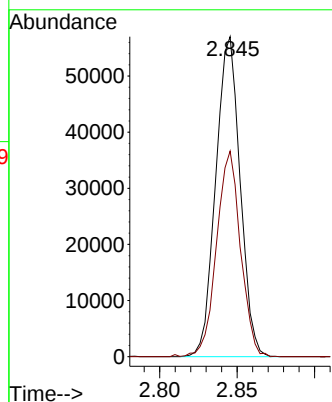
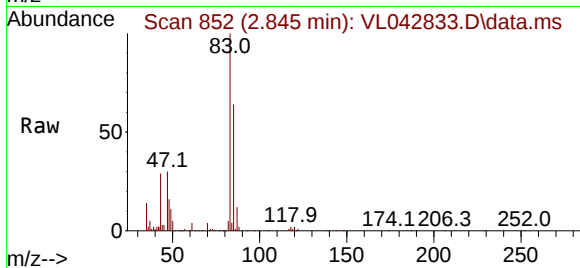
ClientSampleId :

Tgt Ion: 83 Resp: 62306

Ion Ratio Lower Upper

83 100

85 64.3 51.9 77.9



#30

Cyclohexane

Concen: 1.971 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

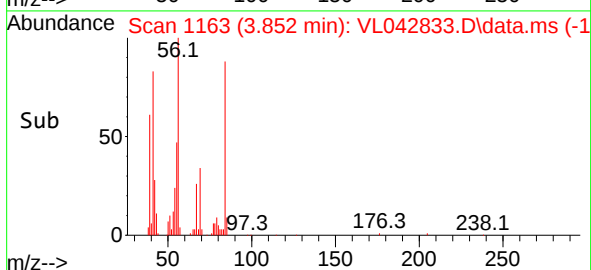
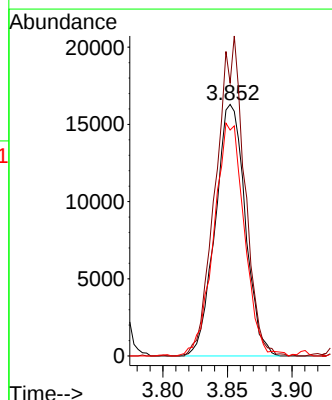
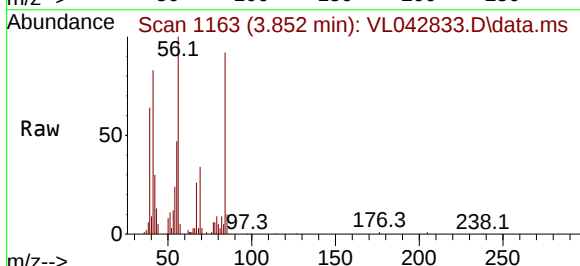
Tgt Ion: 84 Resp: 26332

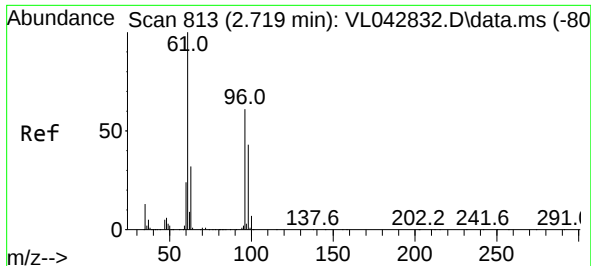
Ion Ratio Lower Upper

84 100

56 121.9 102.9 154.3

41 94.7 72.2 108.4

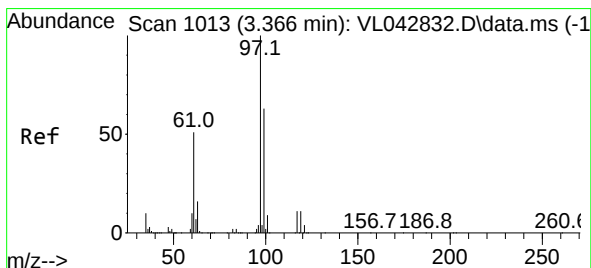
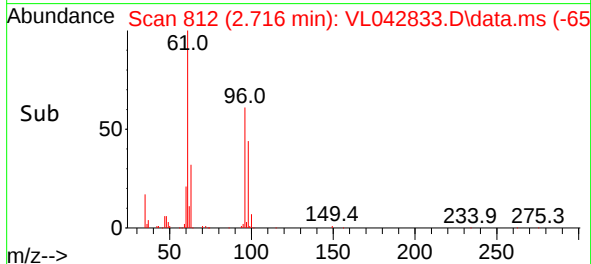
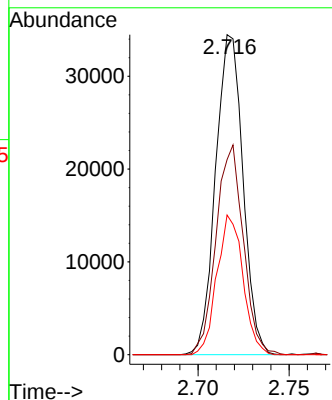
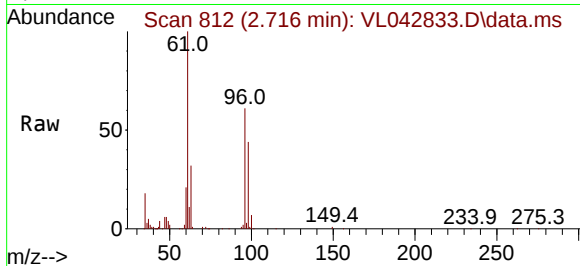




#31
 cis-1,2-Dichloroethene
 Concen: 1.994 ppbv
 RT: 2.716 min Scan# 813
 Delta R.T. -0.003 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

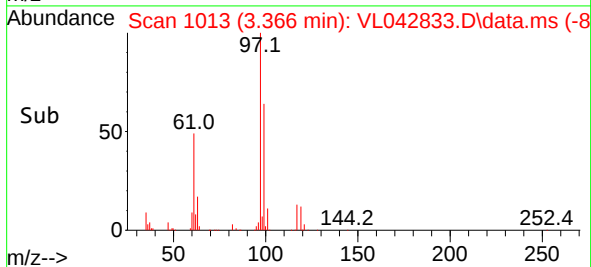
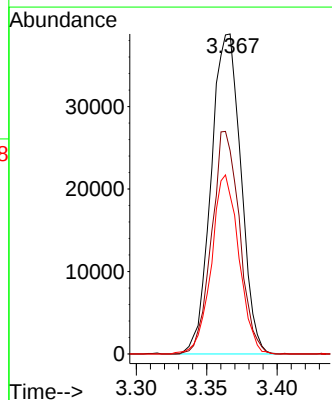
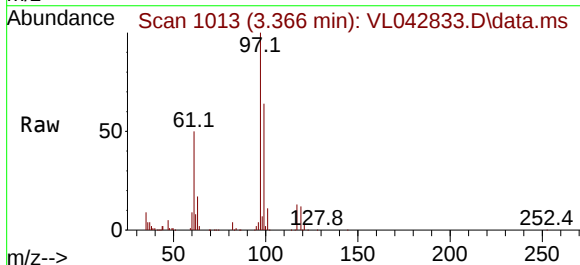
Instrument :
 MSVOA_L
 ClientSampleId :

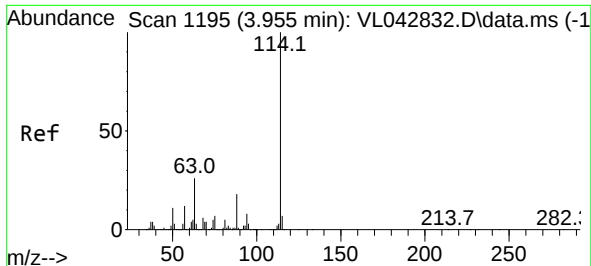
Tgt Ion: 61 Resp: 36037
 Ion Ratio Lower Upper
 61 100
 96 60.9 49.1 73.7
 98 43.6 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 1.948 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion: 97 Resp: 57063
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.7 76.1
 61 51.8 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

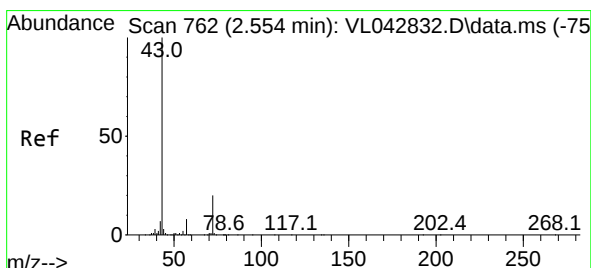
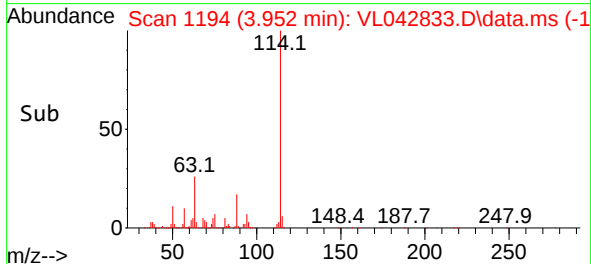
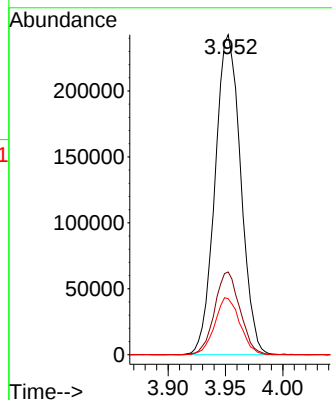
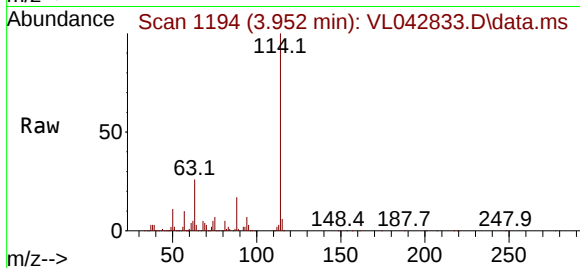
Tgt Ion:114 Resp: 378133

Ion Ratio Lower Upper

114 100

63 25.5 21.0 31.6

88 17.4 13.8 20.8



#34

2-Butanone

Concen: 2.049 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042833.D

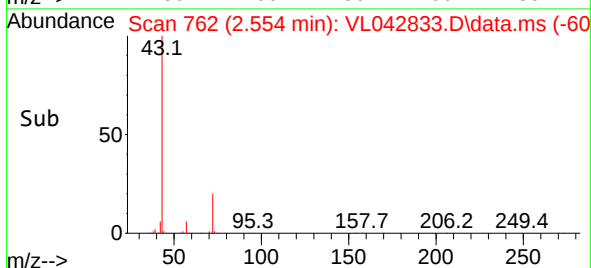
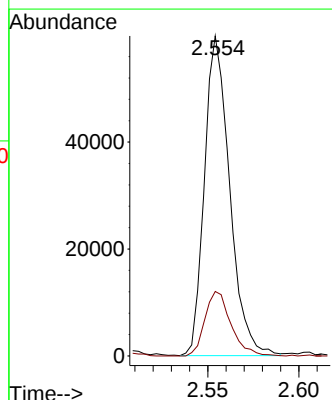
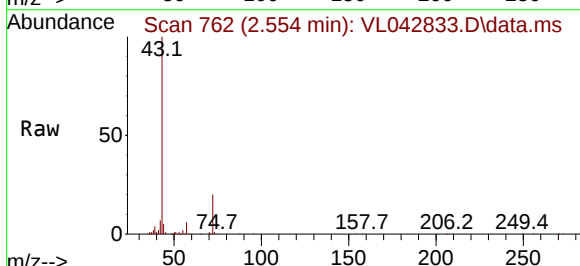
Acq: 11 Aug 2025 08:53

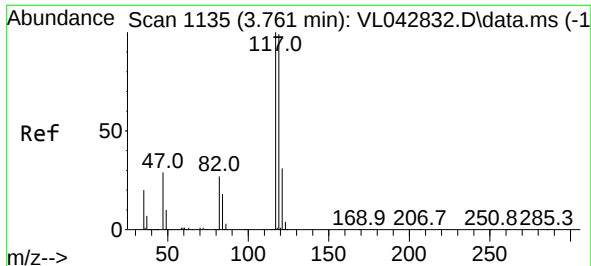
Tgt Ion: 43 Resp: 57705

Ion Ratio Lower Upper

43 100

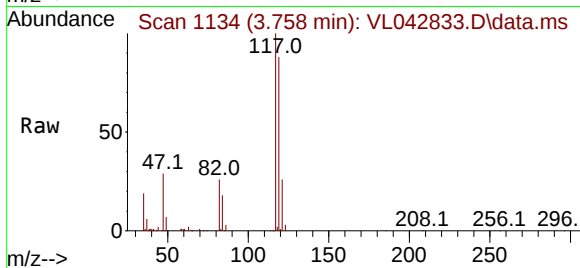
72 20.9 17.2 25.8



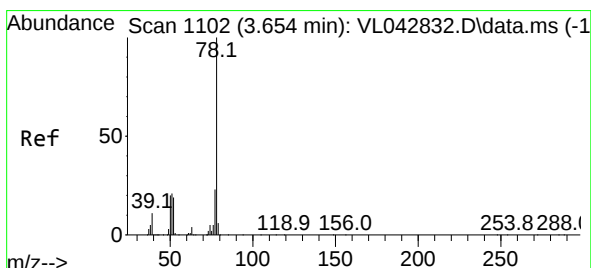
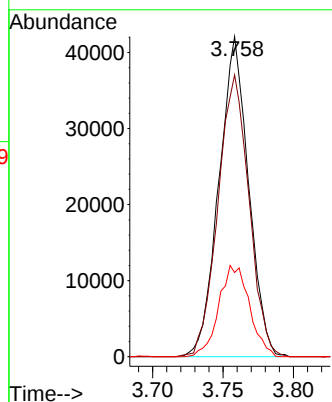
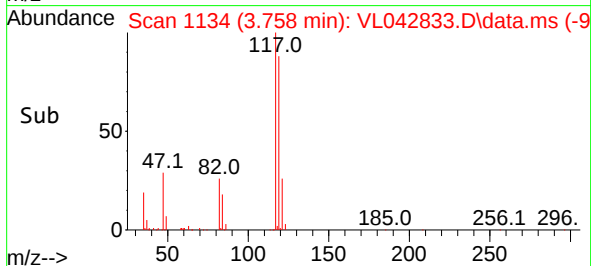


#35
Carbon Tetrachloride
Concen: 1.883 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

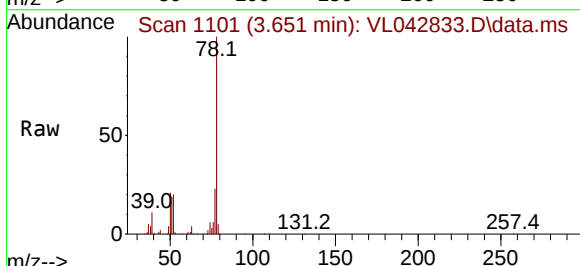
Instrument :
MSVOA_L
ClientSampleId :



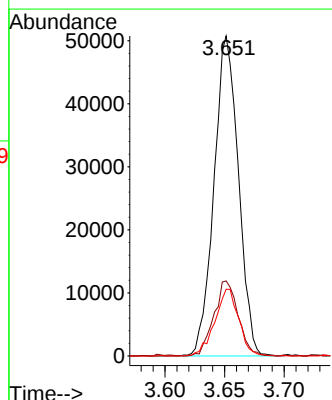
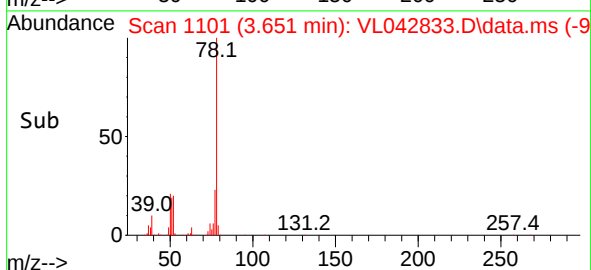
Tgt Ion:117 Resp: 61639
Ion Ratio Lower Upper
117 100
119 87.7 79.3 118.9
121 26.3 25.0 37.4

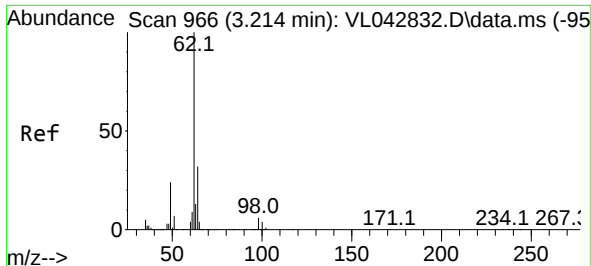


#36
Benzene
Concen: 1.993 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53



Tgt Ion: 78 Resp: 72287
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7
50 20.9 15.8 23.8





#37

1,2-Dichloroethane

Concen: 1.926 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

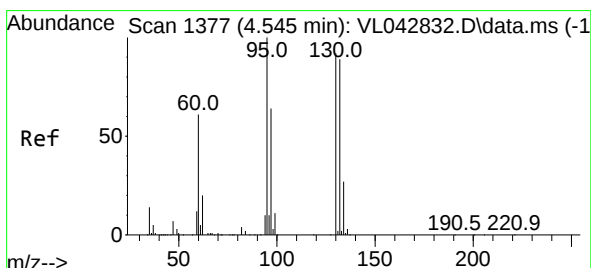
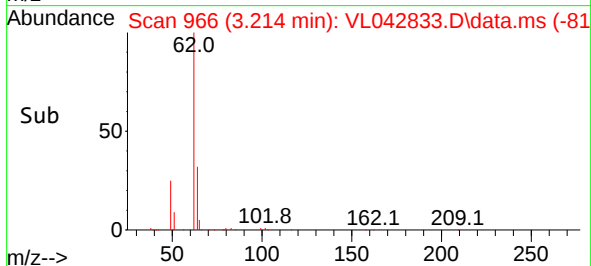
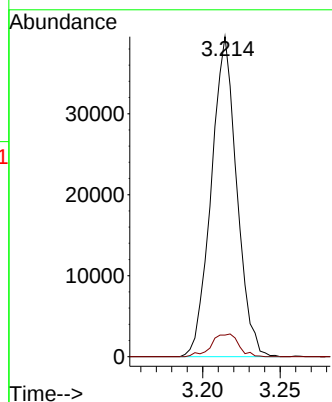
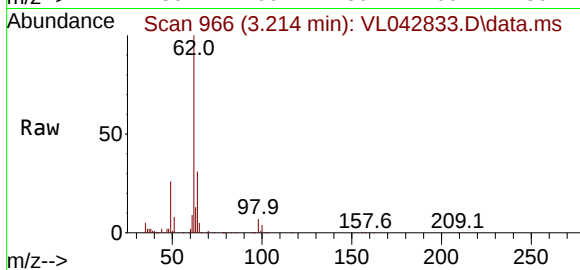
ClientSampleId :

Tgt Ion: 62 Resp: 45369

Ion Ratio Lower Upper

62 100

98 7.6 5.1 7.7



#38

Trichloroethene

Concen: 1.834 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Tgt Ion:130 Resp: 33442

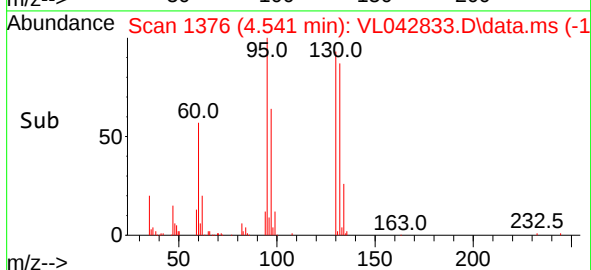
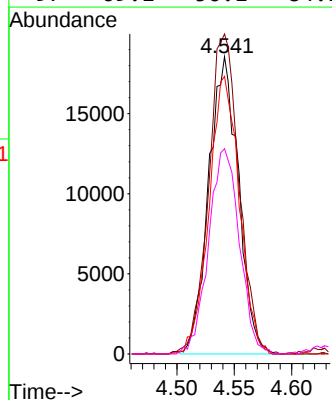
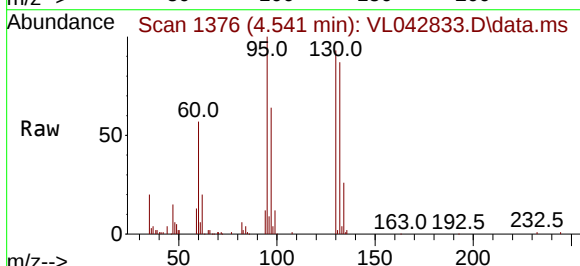
Ion Ratio Lower Upper

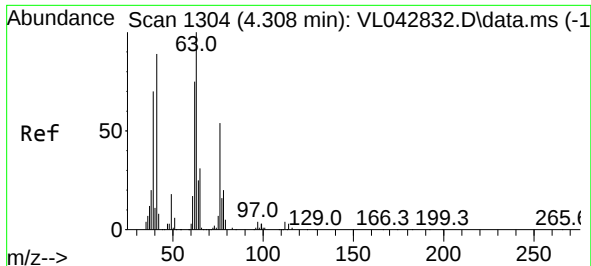
130 100

95 107.6 87.4 131.2

132 93.4 77.8 116.6

97 69.1 56.1 84.1





#39

1,2-Dichloropropane

Concen: 1.129 ppbv

RT: 4.305 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

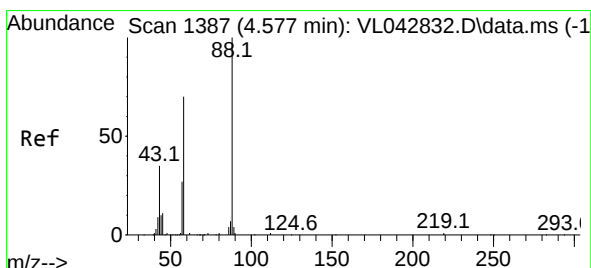
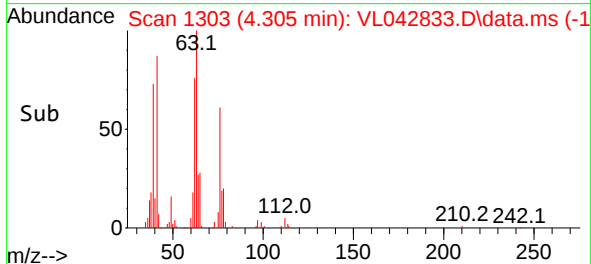
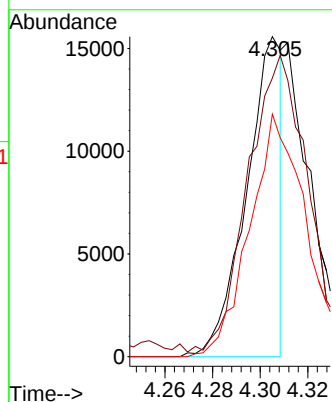
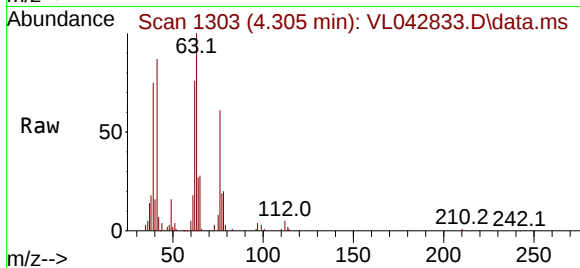
Tgt Ion: 63 Resp: 16077

Ion Ratio Lower Upper

63 100

41 83.0 71.8 107.8

62 75.8 60.0 90.0



#40

1,4-Dioxane

Concen: 1.677 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.007 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Tgt Ion: 88 Resp: 9137

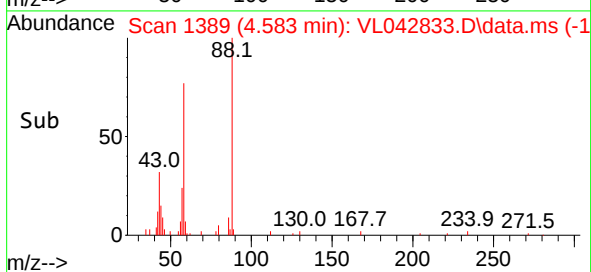
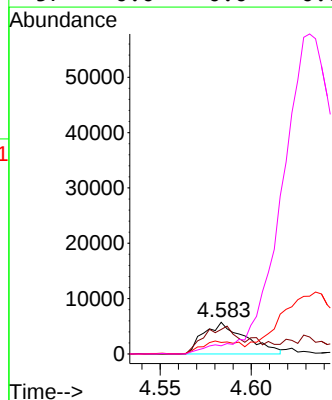
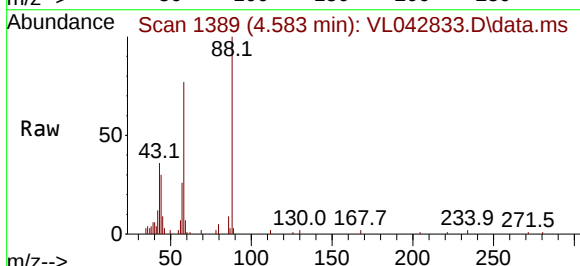
Ion Ratio Lower Upper

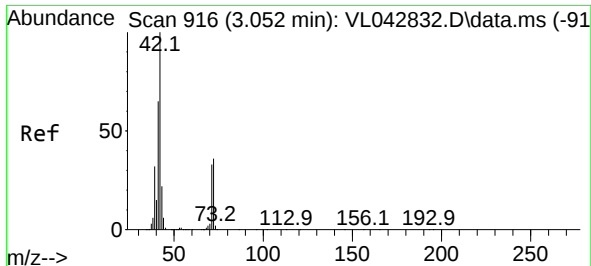
88 100

58 85.3 61.4 92.2

43 0.0 28.6 43.0#

57 0.0 0.0 0.0

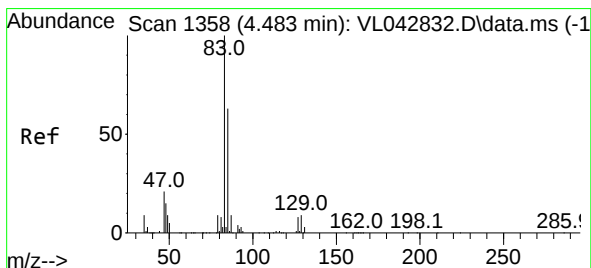
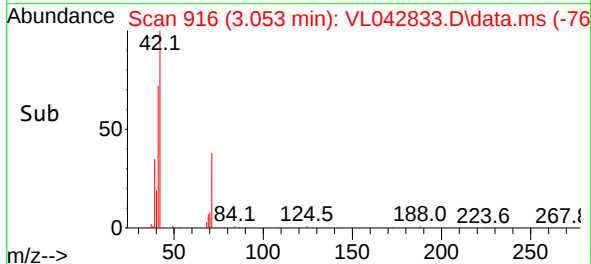
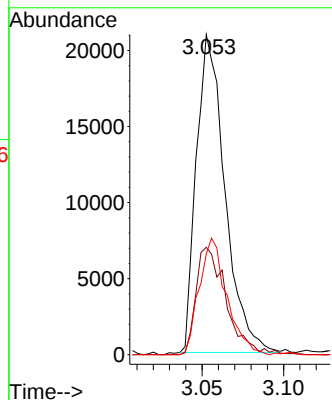
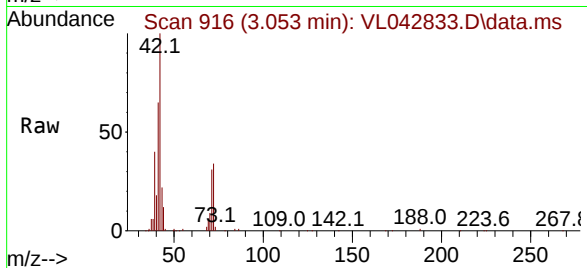




#41
Tetrahydrofuran
Concen: 1.886 ppbv
RT: 3.053 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

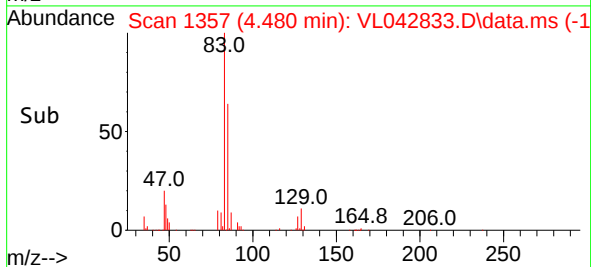
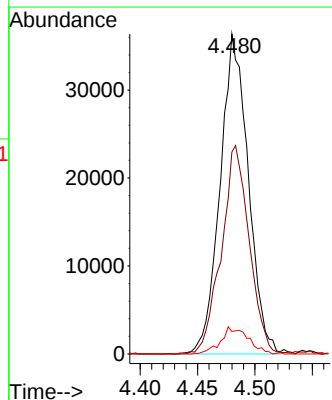
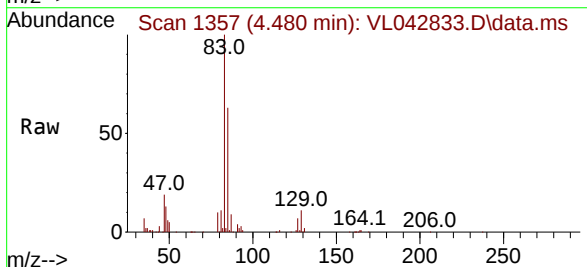
Instrument :
MSVOA_L
ClientSampleId :

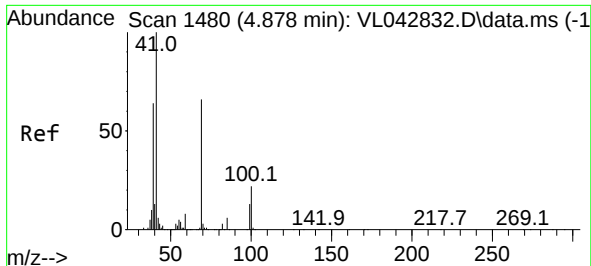
Tgt Ion: 42 Resp: 25425
Ion Ratio Lower Upper
42 100
72 35.9 29.4 44.2
71 35.7 27.4 41.0



#42
Bromodichloromethane
Concen: 1.956 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 83 Resp: 62036
Ion Ratio Lower Upper
83 100
85 62.8 50.5 75.7
127 7.0 6.2 9.4

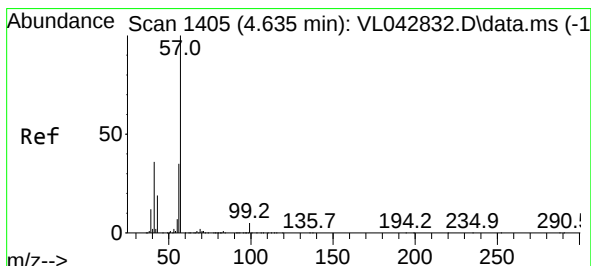
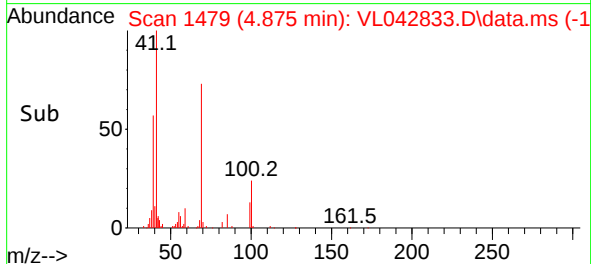
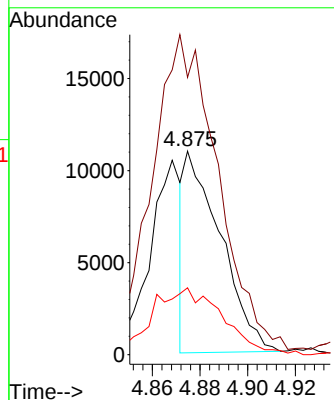
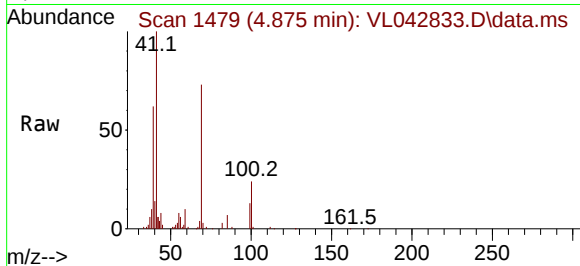




#43
Methyl Methacrylate
Concen: 0.969 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

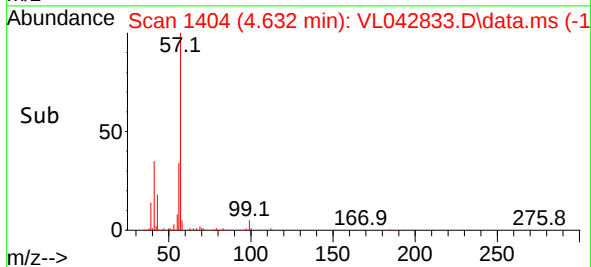
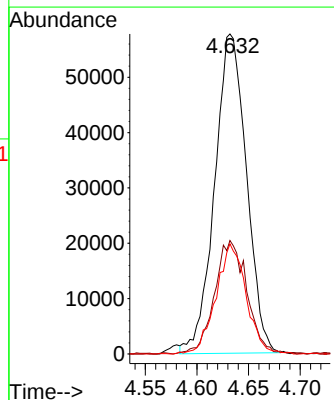
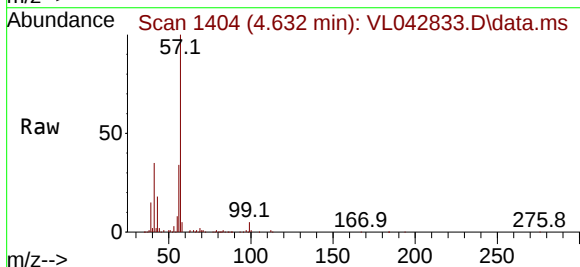
Instrument :
MSVOA_L
ClientSampleId :

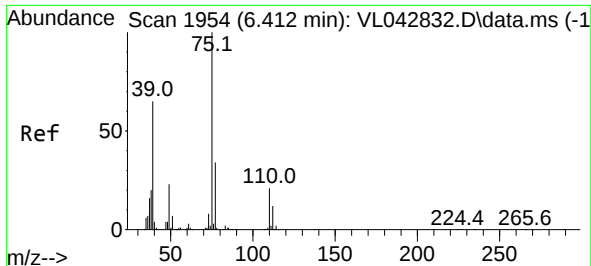
Tgt Ion: 69 Resp: 11480
Ion Ratio Lower Upper
69 100
41 305.6 125.6 188.4#
100 65.4 27.4 41.2#



#44
2,2,4-Trimethylpentane
Concen: 2.030 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 57 Resp: 123560
Ion Ratio Lower Upper
57 100
41 36.5 28.7 43.1
56 32.8 26.6 39.8

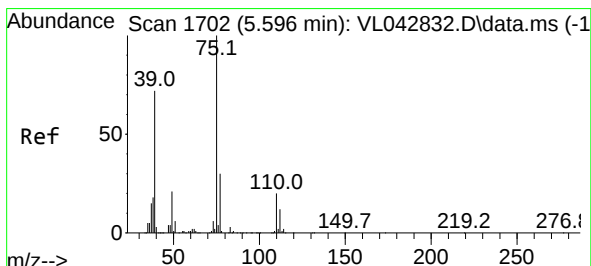
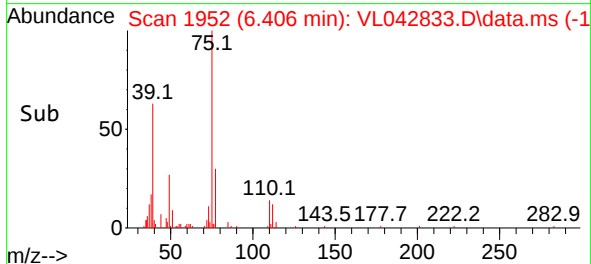
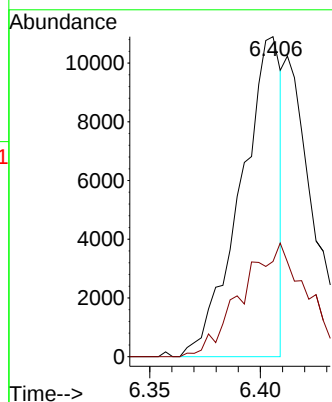
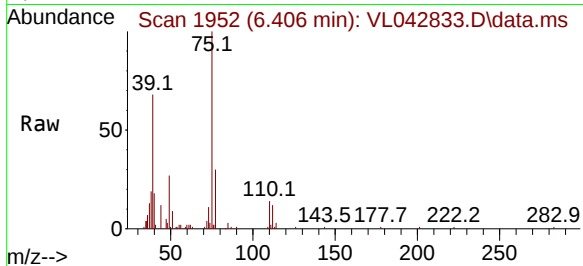




#45
 t-1,3-Dichloropropene
 Concen: 1.054 ppbv
 RT: 6.406 min Scan# 1952
 Delta R.T. -0.006 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

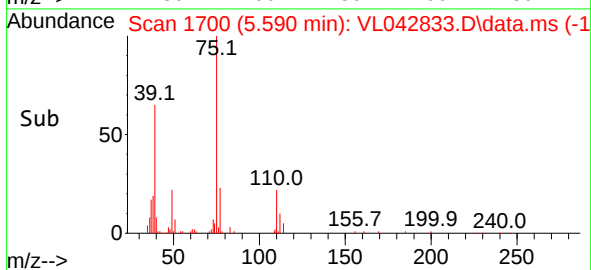
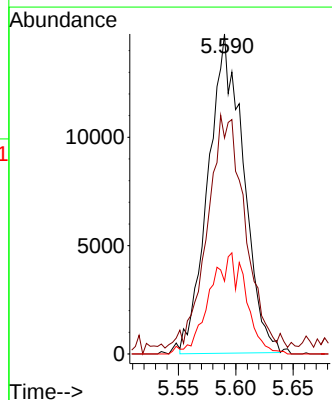
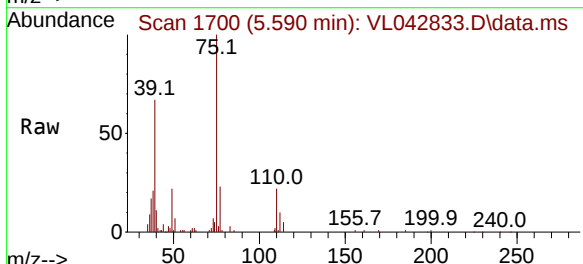
Instrument :
 MSVOA_L
 ClientSampleId :

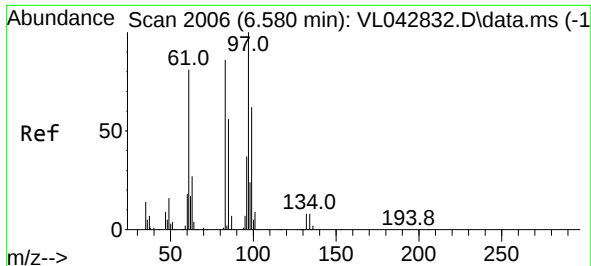
Tgt Ion: 75 Resp: 13800
 Ion Ratio Lower Upper
 75 100
 77 29.1 26.9 40.3



#46
 cis-1,3-Dichloropropene
 Concen: 1.795 ppbv
 RT: 5.590 min Scan# 1700
 Delta R.T. -0.006 min
 Lab File: VL042833.D
 Acq: 11 Aug 2025 08:53

Tgt Ion: 75 Resp: 31414
 Ion Ratio Lower Upper
 75 100
 39 61.4 57.6 86.4
 77 22.0 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 1.986 ppbv

RT: 6.577 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 30638

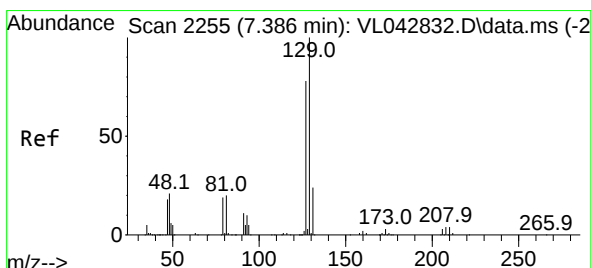
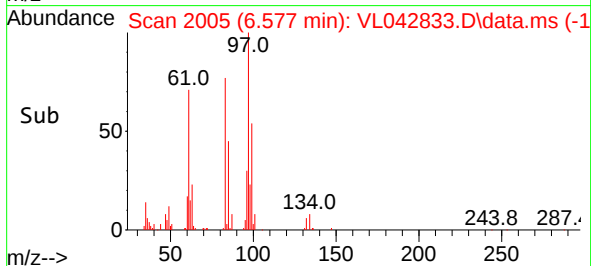
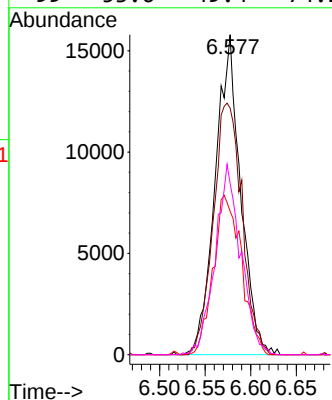
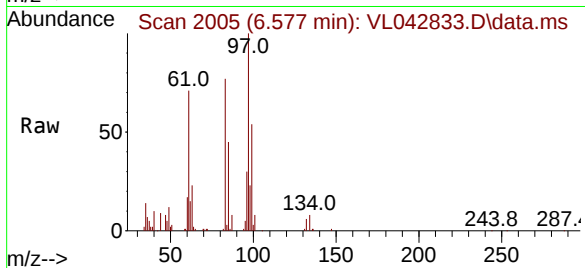
Ion Ratio Lower Upper

97 100

83 77.0 68.5 102.7

85 44.8 44.4 66.6

99 53.6 49.4 74.2



#48

Dibromochloromethane

Concen: 1.953 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.003 min

Lab File: VL042833.D

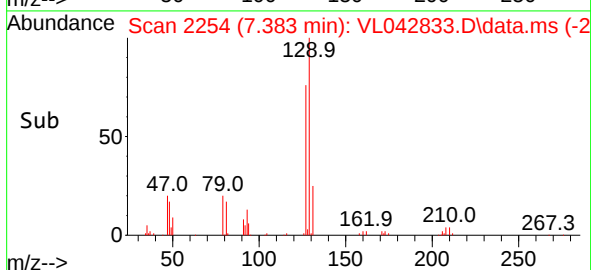
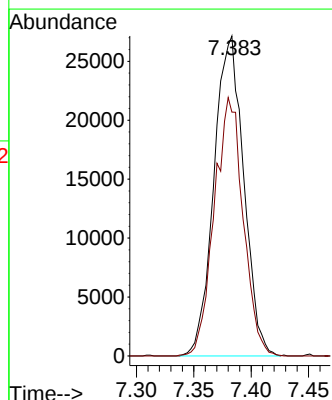
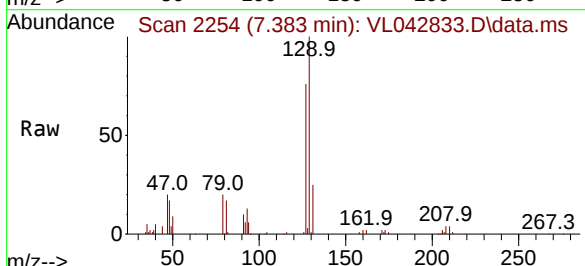
Acq: 11 Aug 2025 08:53

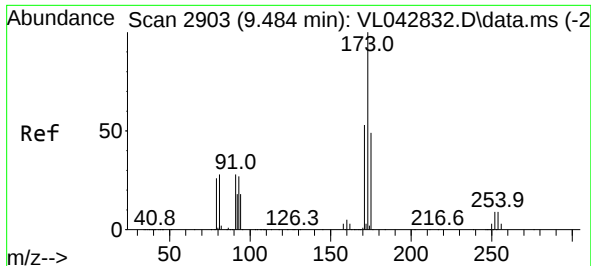
Tgt Ion: 129 Resp: 48971

Ion Ratio Lower Upper

129 100

127 78.5 39.8 119.3





#49

Bromoform

Concen: 1.960 ppbv

RT: 9.477 min Scan# 2903

Delta R.T. -0.006 min

Lab File: VL042833.D

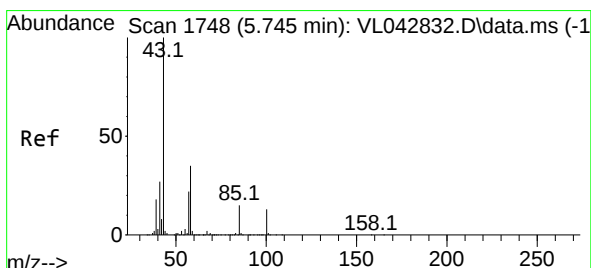
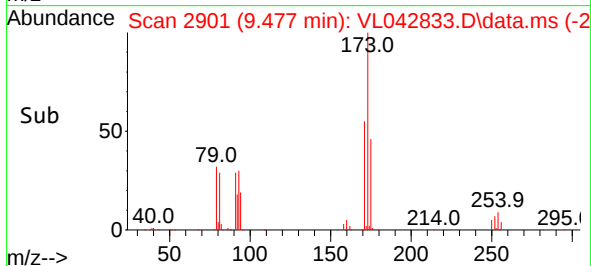
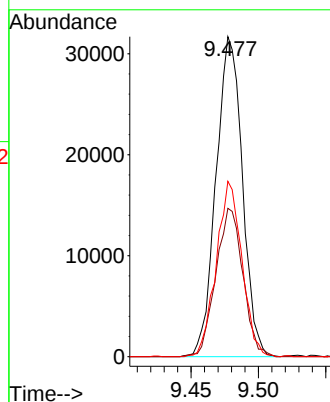
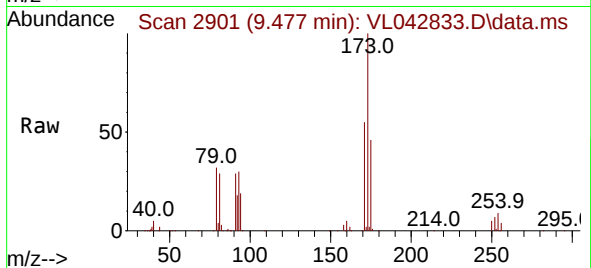
Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	43100
Ion Ratio	Lower	Upper
173	100	
175	47.7	39.4 59.0
171	53.3	41.4 62.0



#50

4-Methyl-2-Pentanone

Concen: 1.869 ppbv

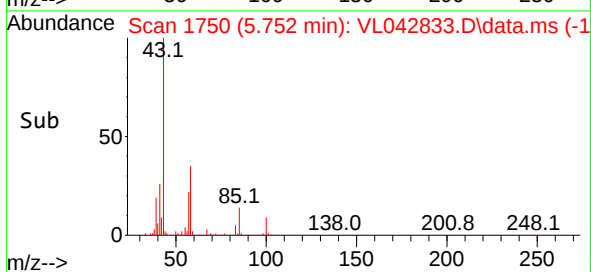
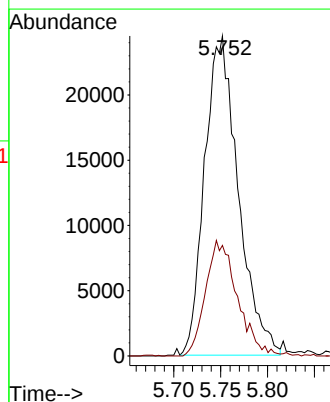
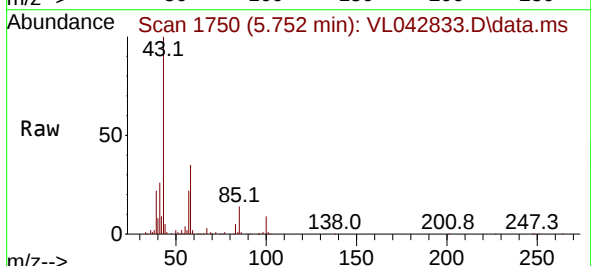
RT: 5.752 min Scan# 1750

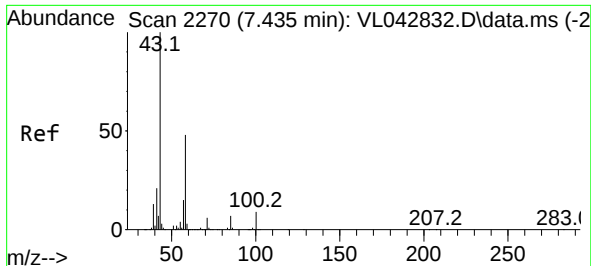
Delta R.T. 0.007 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Tgt Ion: 43	Resp:	60810
Ion Ratio	Lower	Upper
43	100	
58	34.5	26.7 40.1

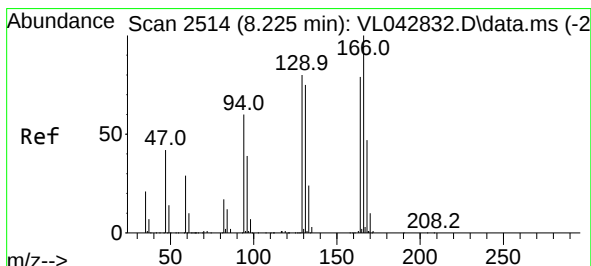
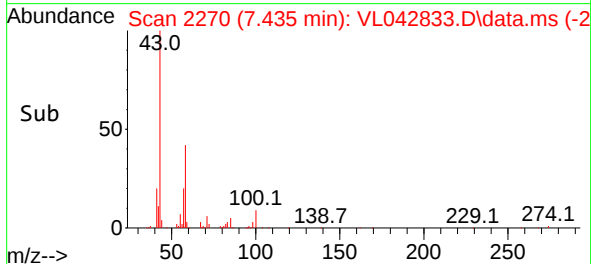
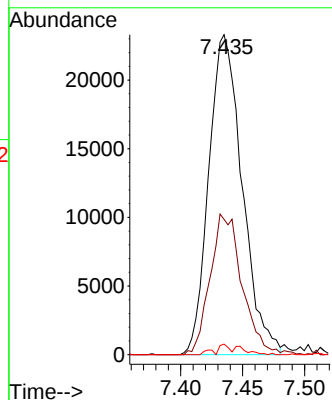
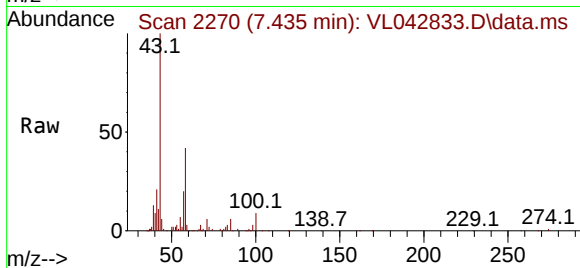




#51
2-Hexanone
Concen: 1.817 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

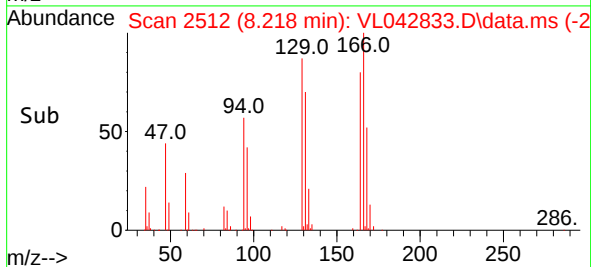
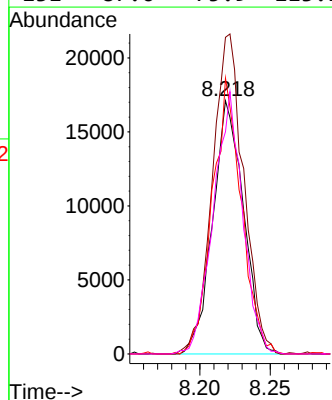
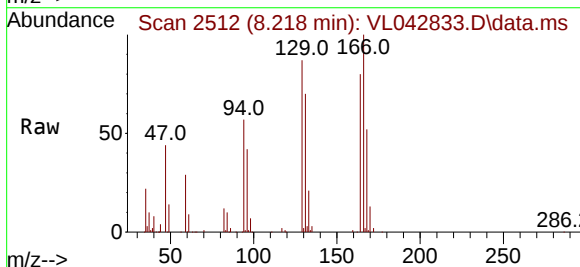
Instrument :
MSVOA_L
ClientSampleId :

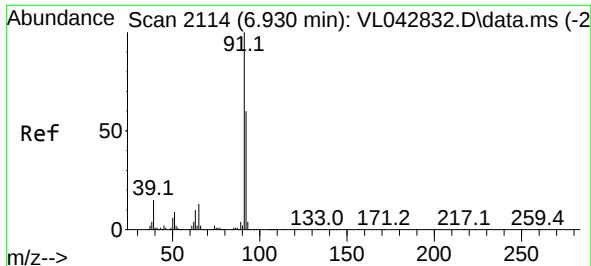
Tgt Ion: 43 Resp: 43812
Ion Ratio Lower Upper
43 100
58 42.4 36.6 54.8
98 2.4 0.8 1.2#



#52
Tetrachloroethene
Concen: 1.916 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 164 Resp: 26000
Ion Ratio Lower Upper
164 100
166 125.1 101.0 151.4
129 109.0 80.9 121.3
131 87.6 75.9 113.9

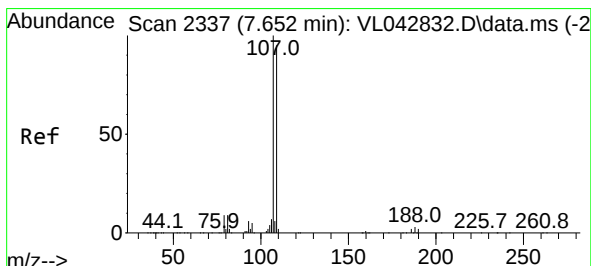
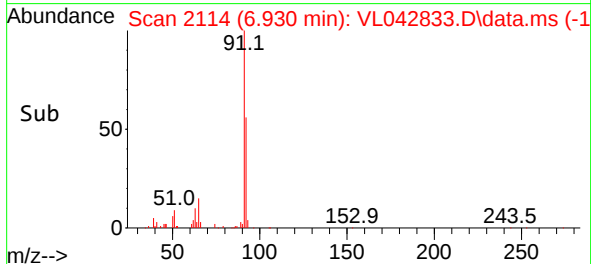
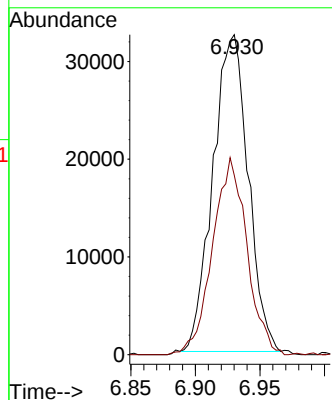
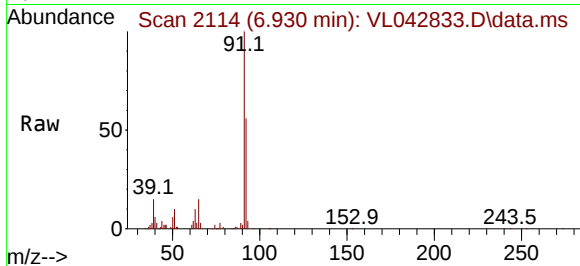




#53
Toluene
Concen: 1.794 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

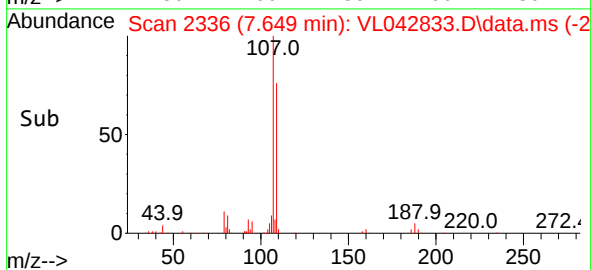
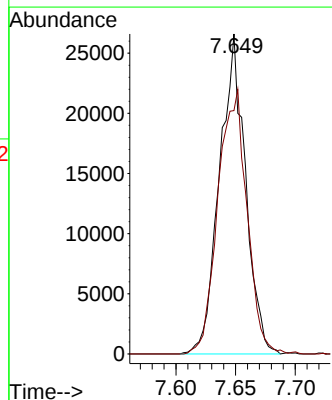
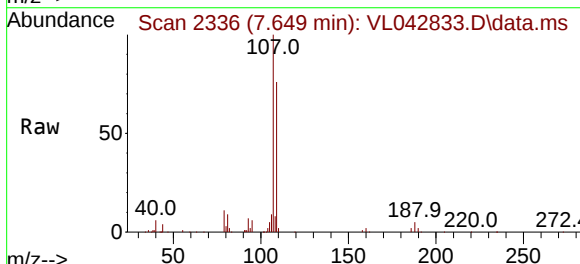
Instrument :
MSVOA_L
ClientSampleId :

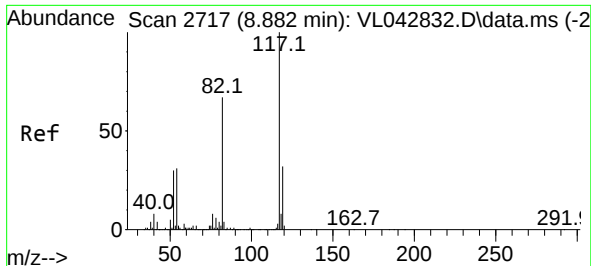
Tgt Ion: 91 Resp: 61622
Ion Ratio Lower Upper
91 100
92 60.8 47.8 71.8



#54
1,2-Dibromoethane
Concen: 1.946 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 107 Resp: 40342
Ion Ratio Lower Upper
107 100
109 76.1 75.7 113.5

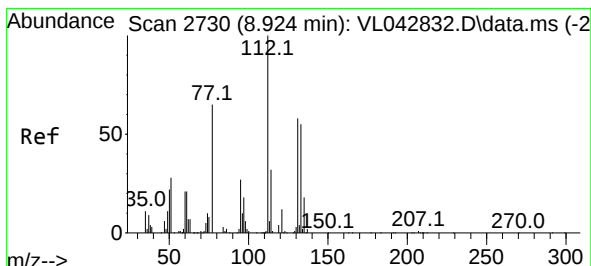
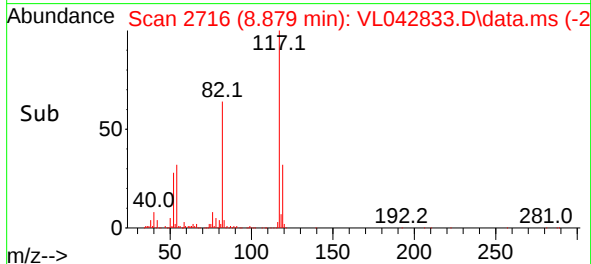
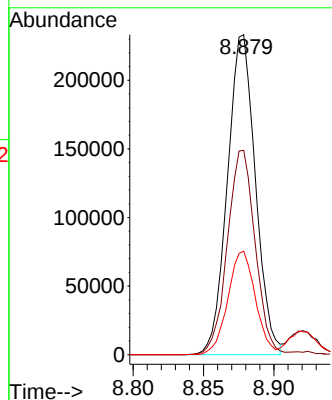
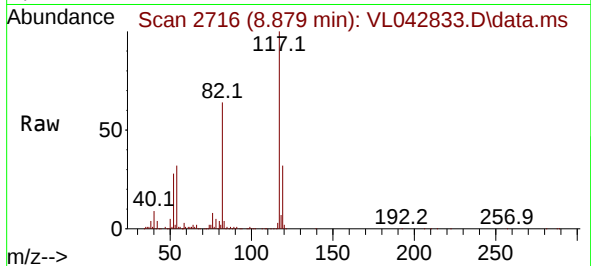




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

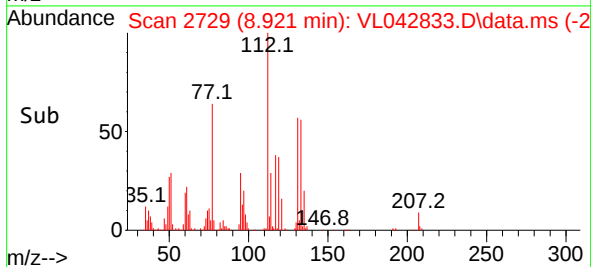
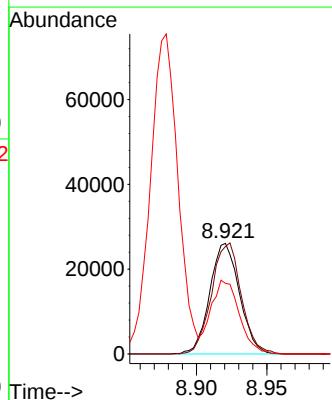
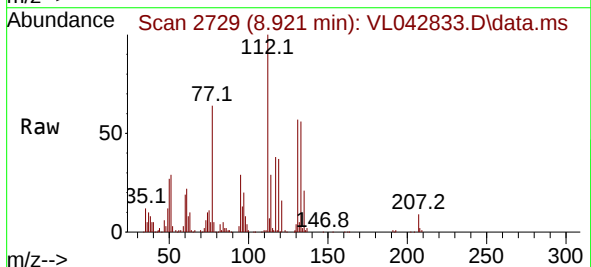
Instrument :
MSVOA_L
ClientSampleId :

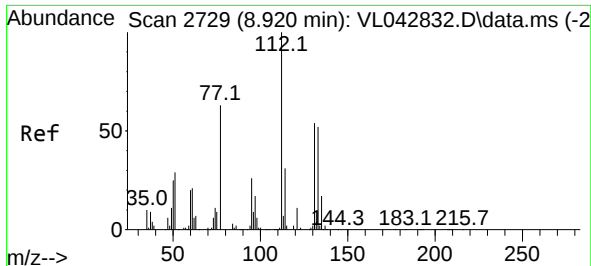
Tgt Ion:117 Resp: 323554
Ion Ratio Lower Upper
117 100
82 64.2 55.7 83.5
119 32.6 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 1.928 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion:131 Resp: 38337
Ion Ratio Lower Upper
131 100
133 100.4 77.0 115.6
119 58.0 50.5 75.7





#57

Chlorobenzene

Concen: 1.997 ppbv

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042833.D

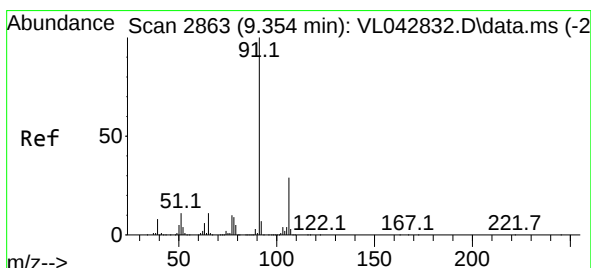
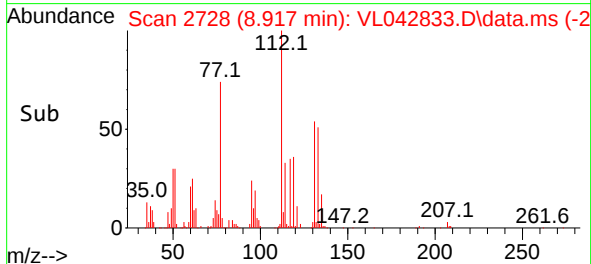
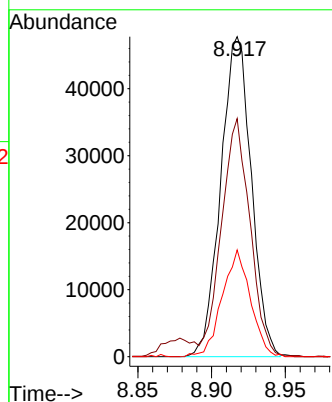
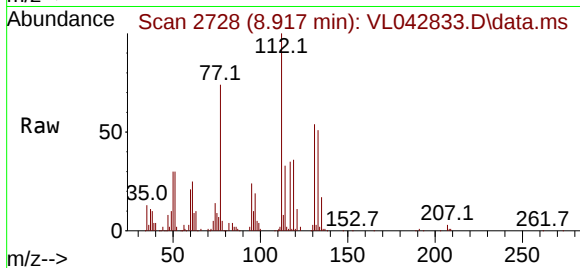
Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	68770
Ion	Ratio	Lower	Upper
112	100		
77	73.8	51.5	77.3
114	33.4	28.3	34.5



#58

Ethyl Benzene

Concen: 1.888 ppbv

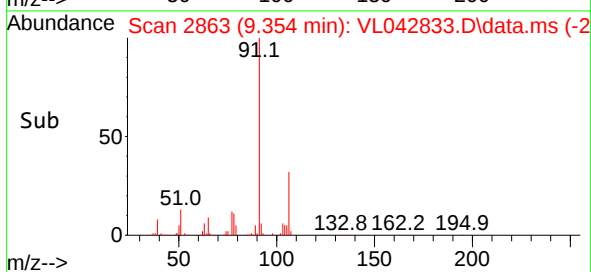
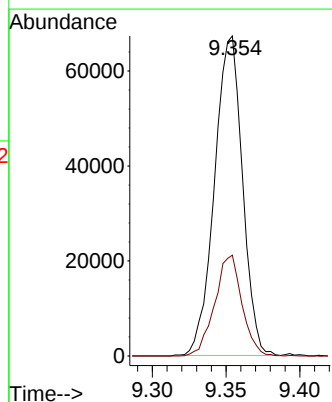
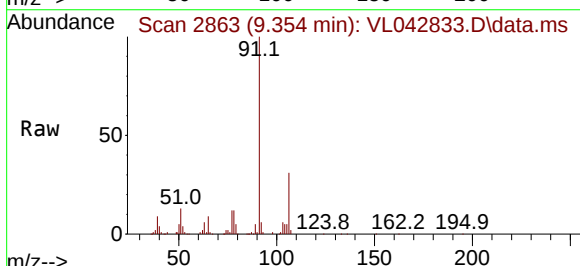
RT: 9.354 min Scan# 2863

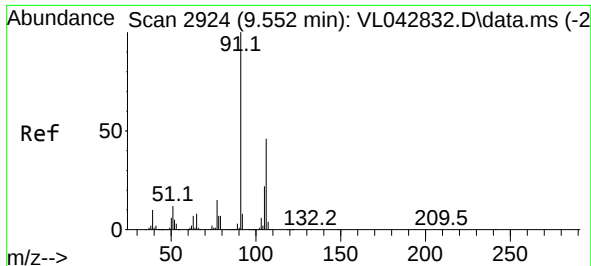
Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Tgt Ion:	91	Resp:	88755
Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.4	35.2





#59

m/p-Xylene

Concen: 2.281 ppbv

RT: 9.545 min Scan# 29

Delta R.T. -0.006 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

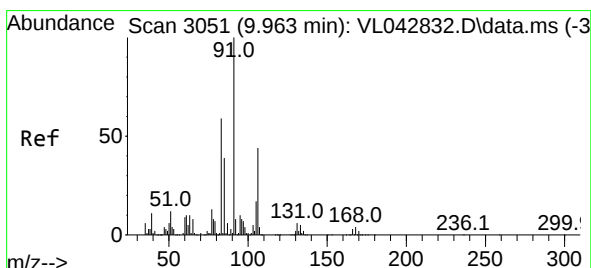
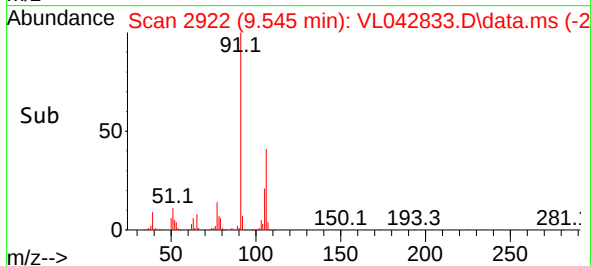
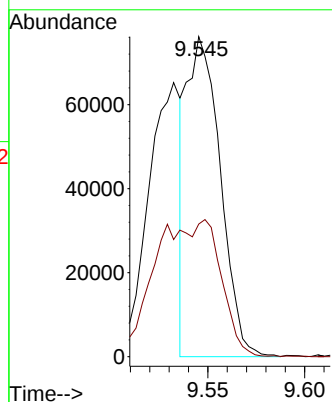
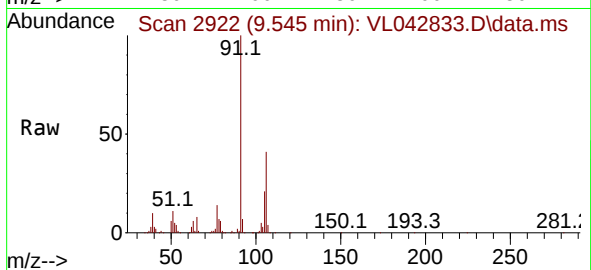
ClientSampleId :

Tgt Ion: 91 Resp: 92492

Ion Ratio Lower Upper

91 100

106 83.5 0.0 0.0#



#60

o-Xylene

Concen: 2.040 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042833.D

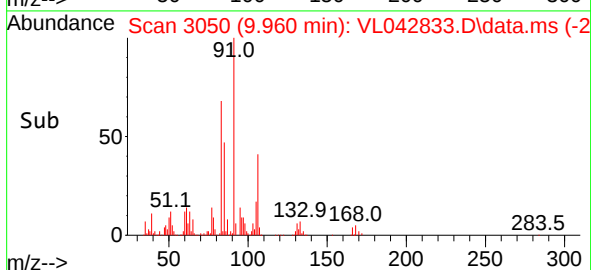
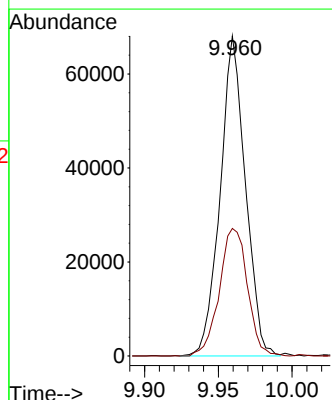
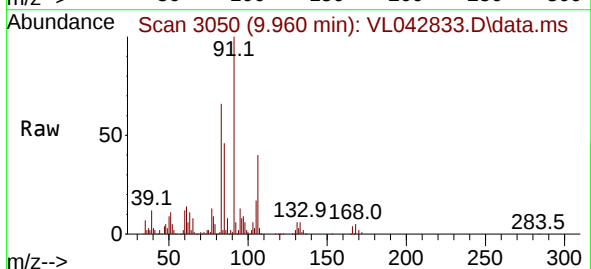
Acq: 11 Aug 2025 08:53

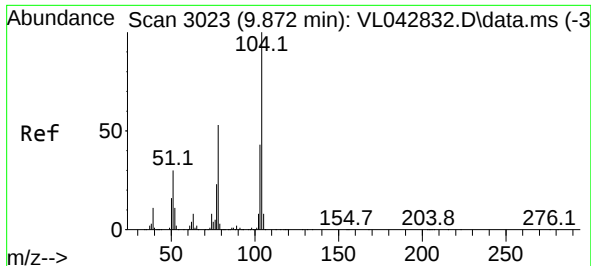
Tgt Ion: 91 Resp: 81175

Ion Ratio Lower Upper

91 100

106 44.4 21.9 65.7

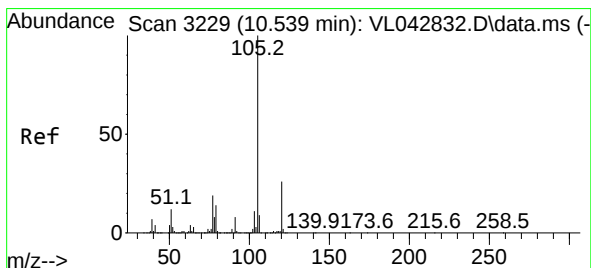
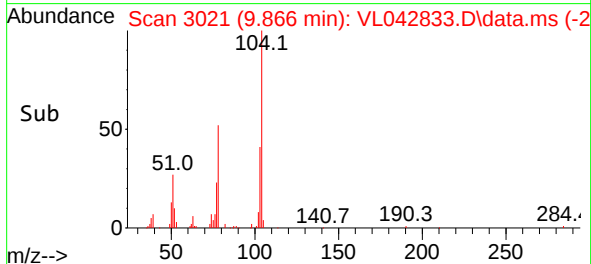
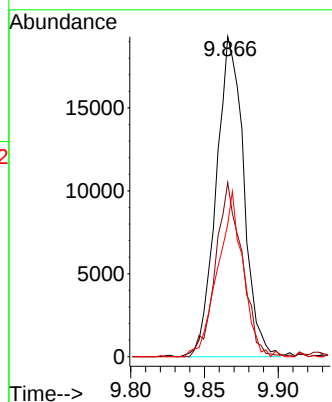
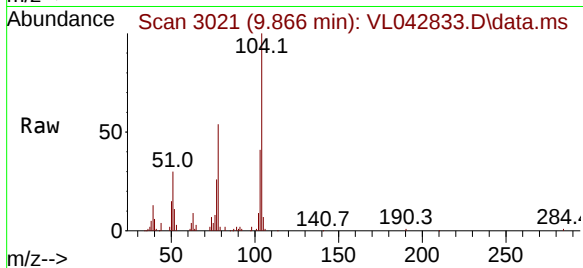




#61
Styrene
Concen: 1.787 ppbv
RT: 9.866 min Scan# 3023
Delta R.T. -0.006 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

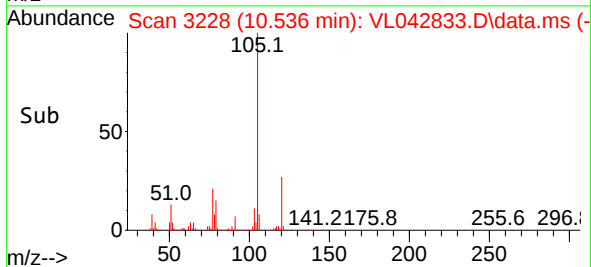
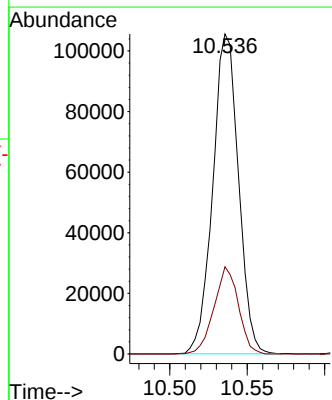
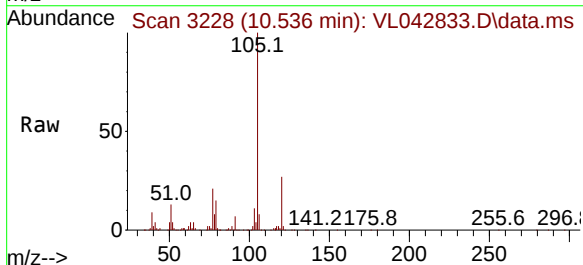
Instrument :
MSVOA_L
ClientSampleId :

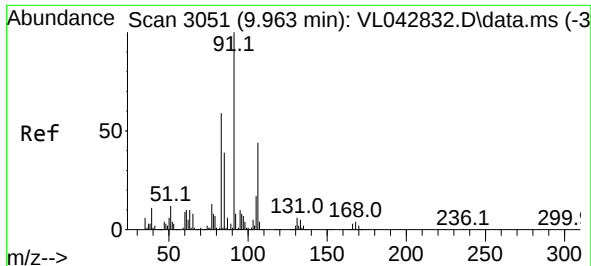
Tgt Ion:104 Resp: 24964
Ion Ratio Lower Upper
104 100
78 52.5 41.4 62.2
103 47.6 36.9 55.3



#62
Isopropylbenzene
Concen: 2.018 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion:105 Resp: 121668
Ion Ratio Lower Upper
105 100
120 25.9 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 1.988 ppbv

RT: 9.960 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

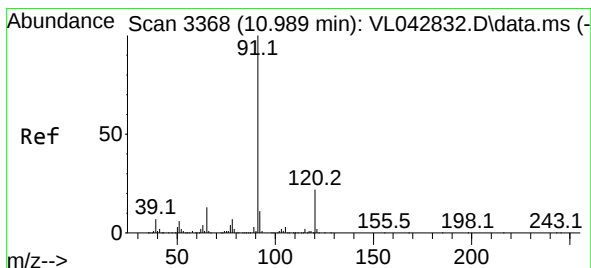
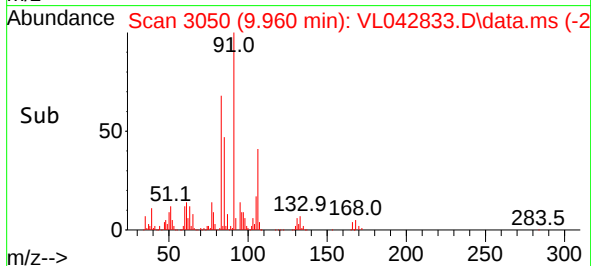
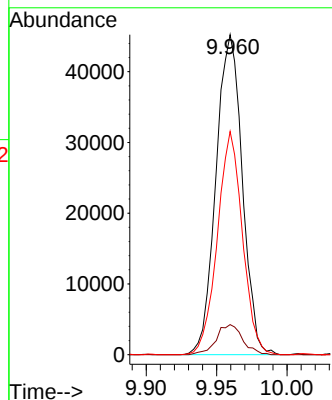
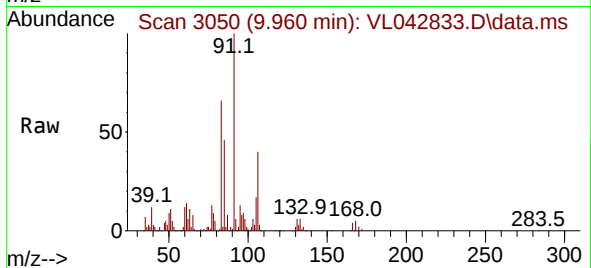
Tgt Ion: 83 Resp: 58952

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.6

85 66.4 32.6 97.8



#64

n-propylbenzene

Concen: 2.125 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. -0.003 min

Lab File: VL042833.D

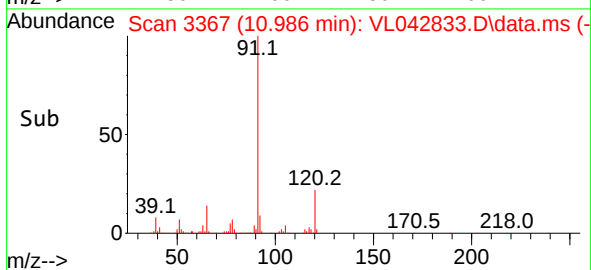
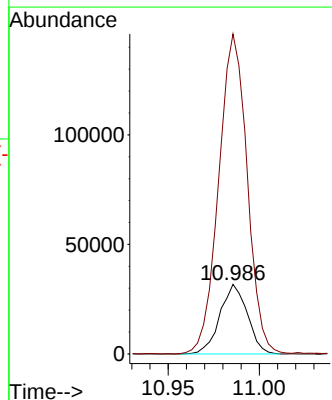
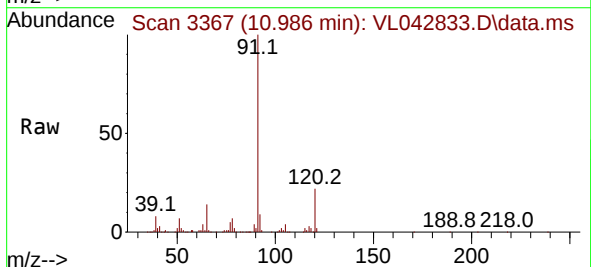
Acq: 11 Aug 2025 08:53

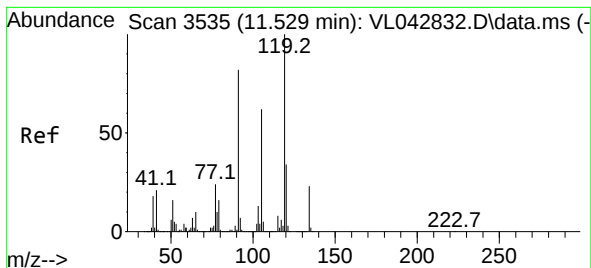
Tgt Ion: 120 Resp: 33197

Ion Ratio Lower Upper

120 100

91 479.9 379.2 568.8





#65

tert-Butylbenzene

Concen: 2.158 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

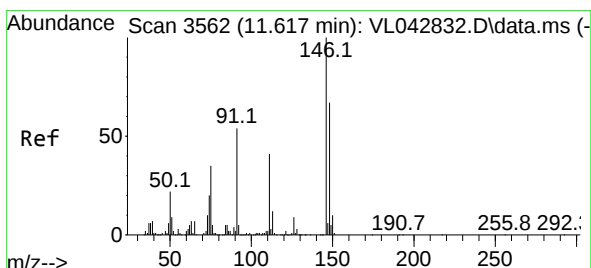
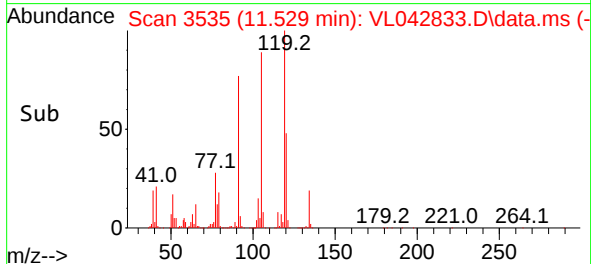
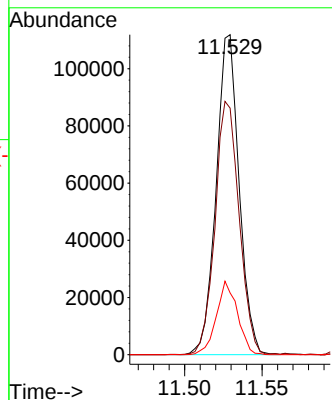
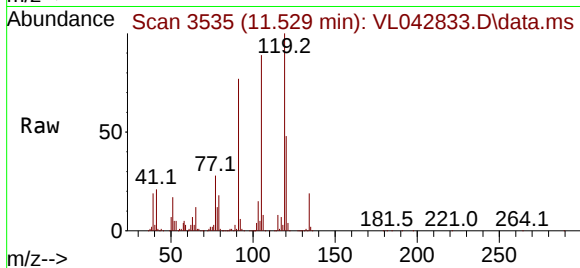
Tgt Ion:119 Resp: 115127

Ion Ratio Lower Upper

119 100

91 83.4 64.6 96.8

134 21.1 17.1 25.7



#66

Benzyl Chloride

Concen: 1.873 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.006 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

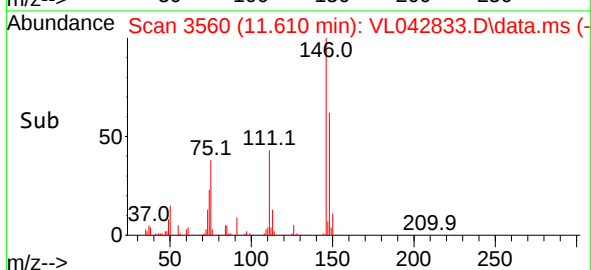
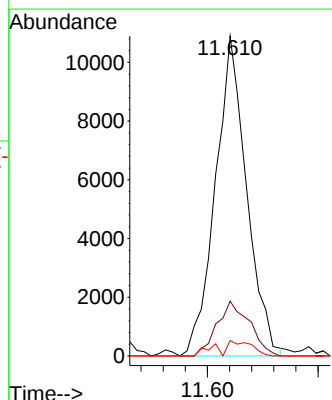
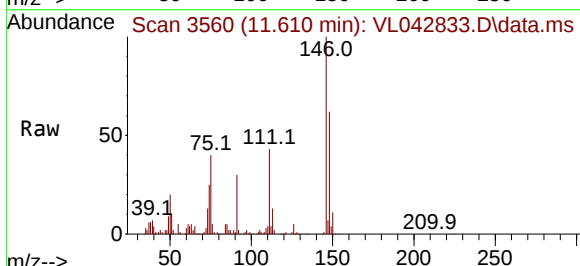
Tgt Ion: 91 Resp: 10698

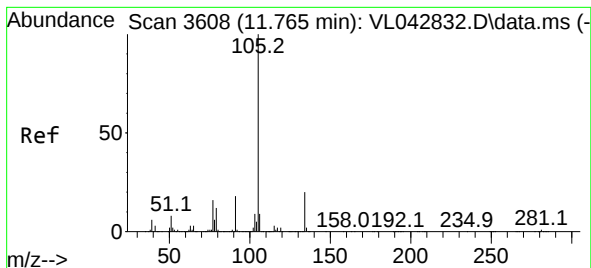
Ion Ratio Lower Upper

91 100

126 17.8 13.6 20.4

128 5.2 4.7 7.1





#67

sec-Butylbenzene

Concen: 2.183 ppbv

RT: 11.762 min Scan# 3607

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

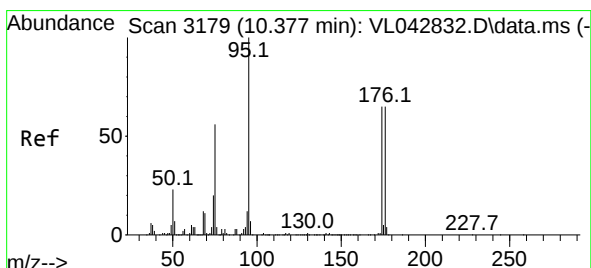
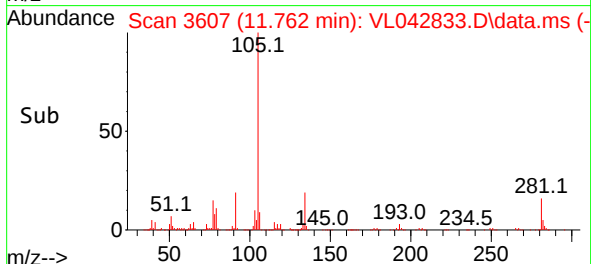
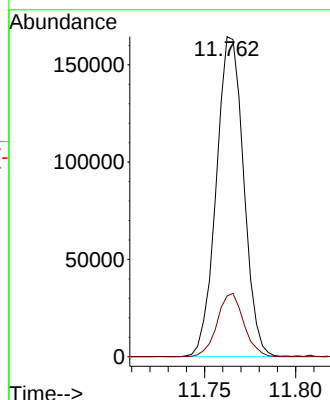
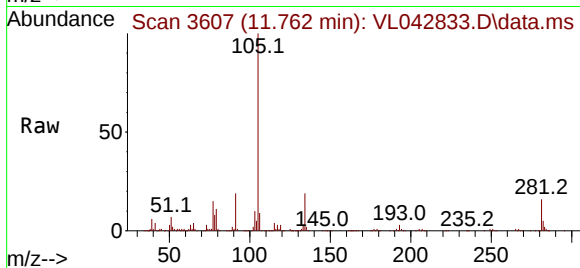
ClientSampleId :

Tgt Ion:105 Resp: 171888

Ion Ratio Lower Upper

105 100

134 19.2 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.101 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

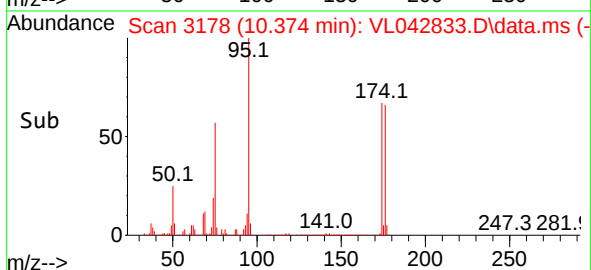
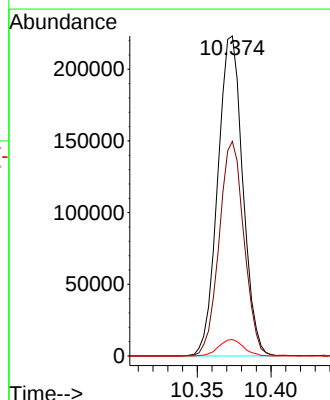
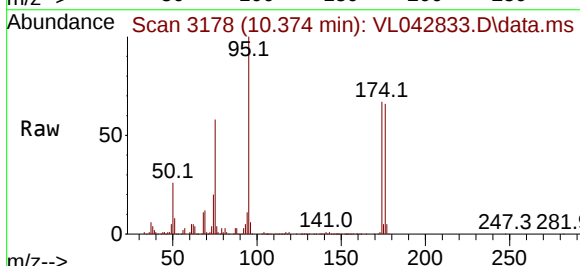
Tgt Ion: 95 Resp: 263394

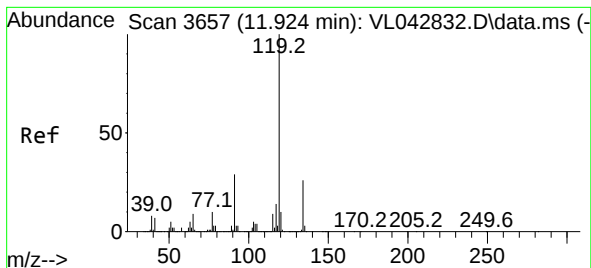
Ion Ratio Lower Upper

95 100

174 66.9 52.6 78.8

175 5.1 3.9 5.9





#69

p-Isopropyltoluene

Concen: 2.176 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

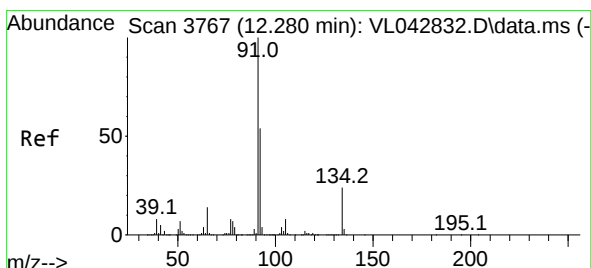
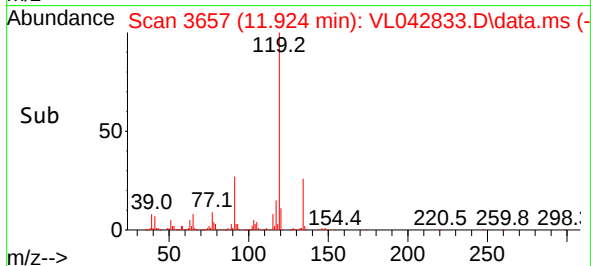
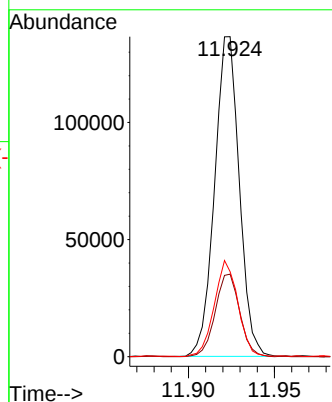
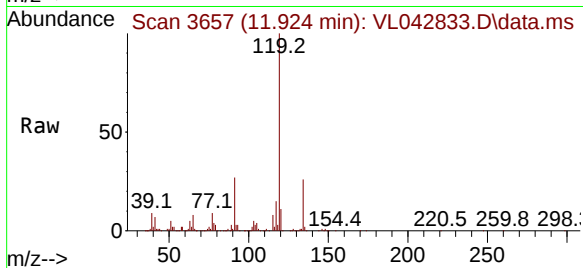
Tgt Ion:119 Resp: 136138

Ion Ratio Lower Upper

119 100

134 25.7 20.5 30.7

91 29.6 23.2 34.8



#70

n-Butylbenzene

Concen: 2.182 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

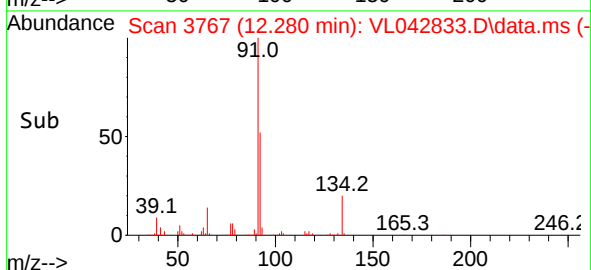
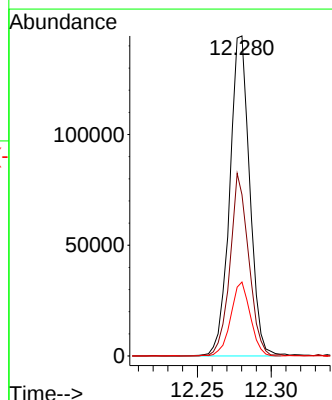
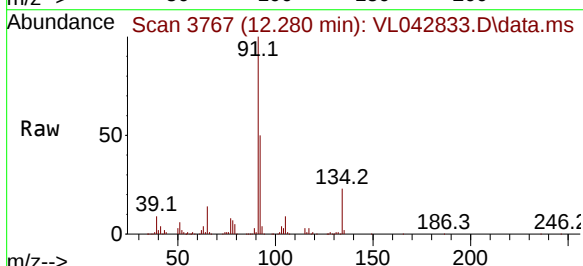
Tgt Ion: 91 Resp: 136121

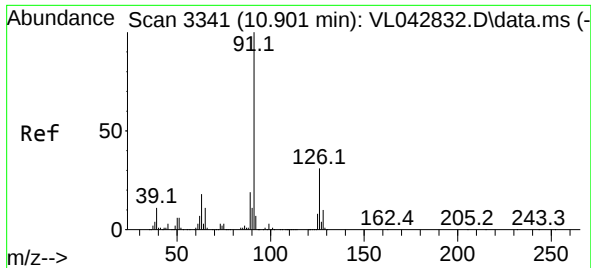
Ion Ratio Lower Upper

91 100

92 53.6 43.2 64.8

134 22.8 19.0 28.6

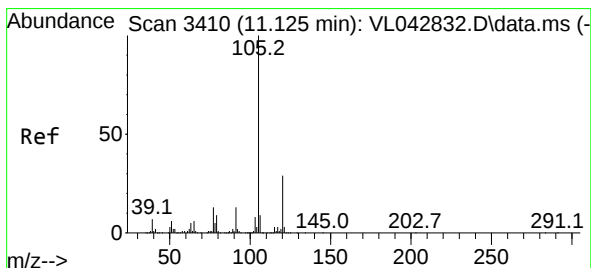
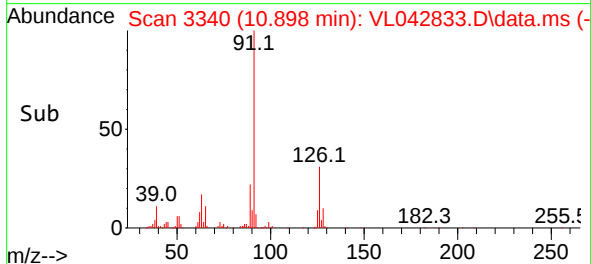
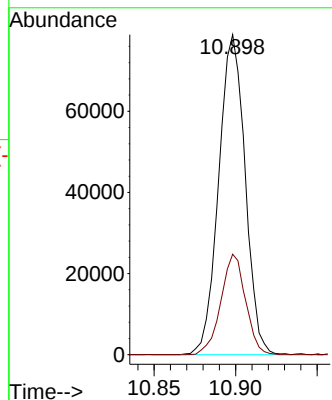
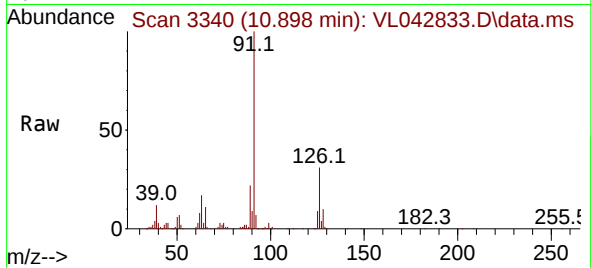




#71
2-Chlorotoluene
Concen: 2.008 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

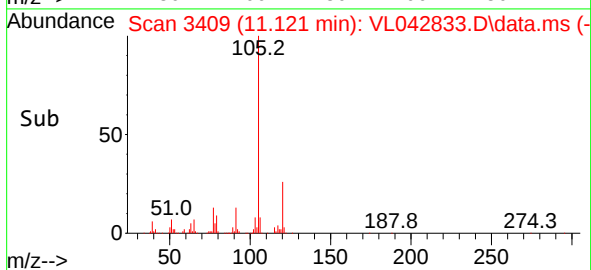
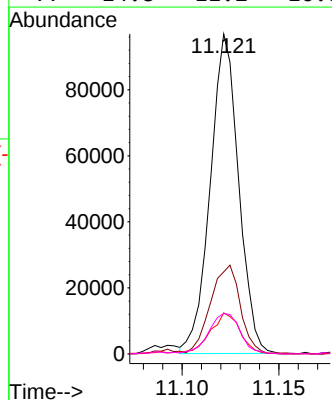
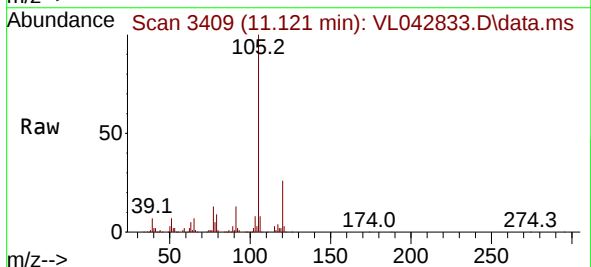
Instrument :
MSVOA_L
ClientSampleId :

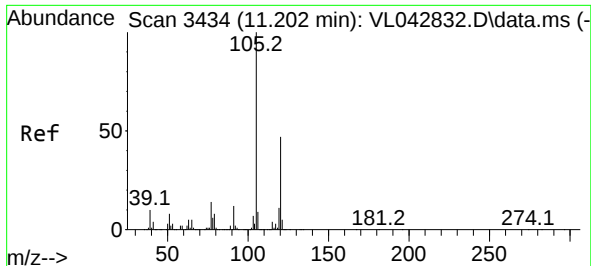
Tgt Ion: 91 Resp: 88818
Ion Ratio Lower Upper
91 100
126 29.3 12.2 48.6



#72
4-Ethyltoluene
Concen: 2.067 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion: 105 Resp: 98572
Ion Ratio Lower Upper
105 100
120 30.4 23.9 35.9
91 14.6 10.7 16.1
77 14.8 11.2 16.8

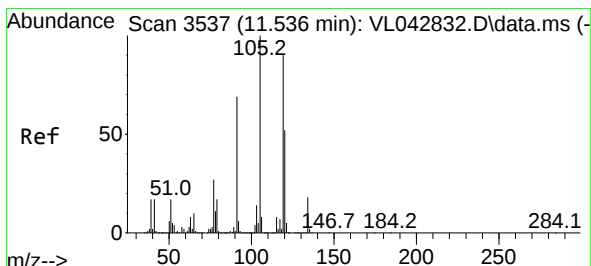
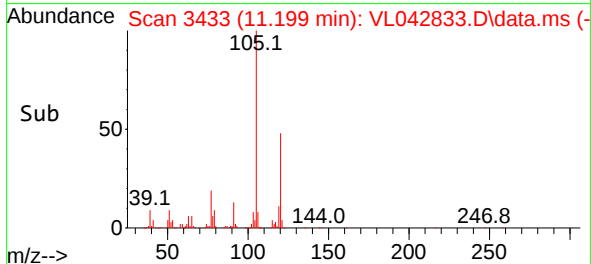
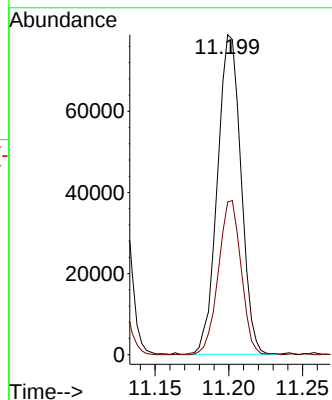
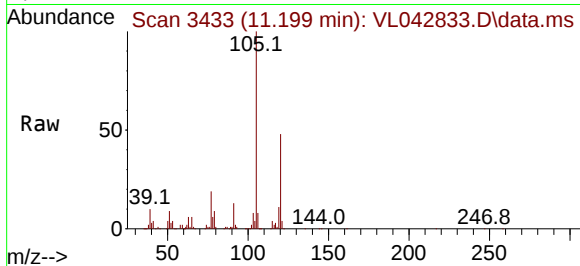




#73
1,3,5-Trimethylbenzene
Concen: 2.137 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

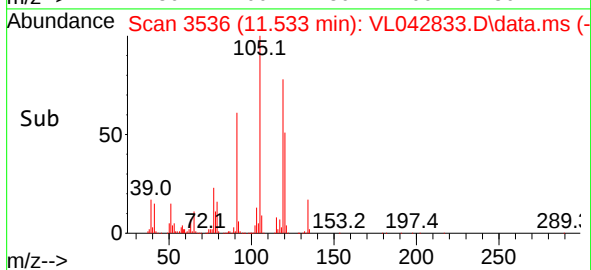
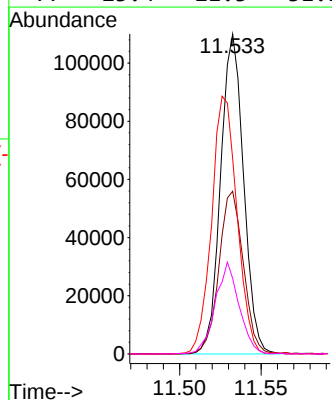
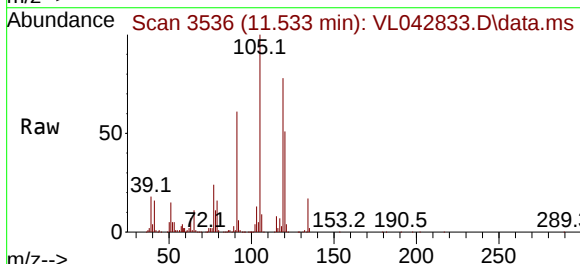
Instrument :
MSVOA_L
ClientSampleId :

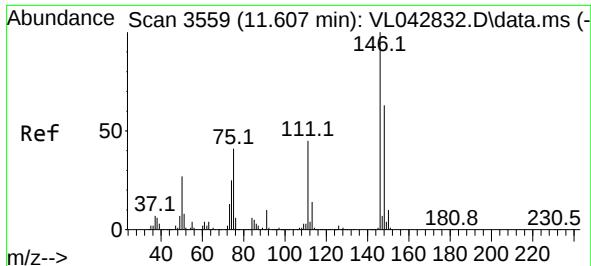
Tgt Ion:105 Resp: 87782
Ion Ratio Lower Upper
105 100
120 47.8 37.8 56.8



#74
1,2,4-Trimethylbenzene
Concen: 2.236 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion:105 Resp: 107778
Ion Ratio Lower Upper
105 100
120 50.8 41.9 62.9
91 60.9 55.5 83.3
77 23.4 21.3 31.9

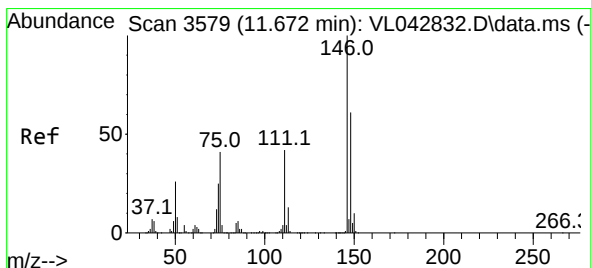
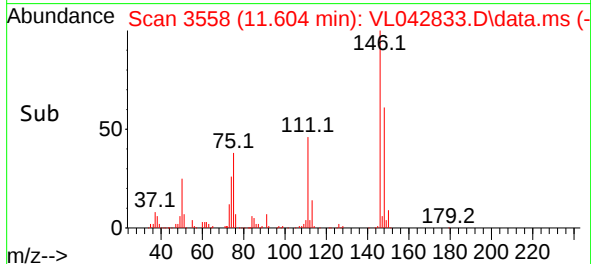
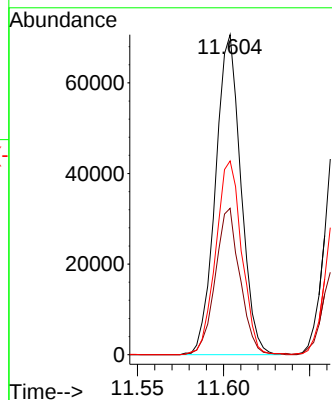
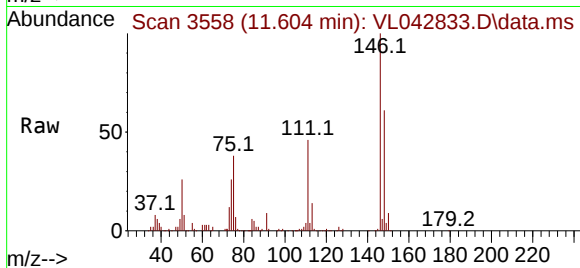




#75
1,3-Dichlorobenzene
Concen: 2.092 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

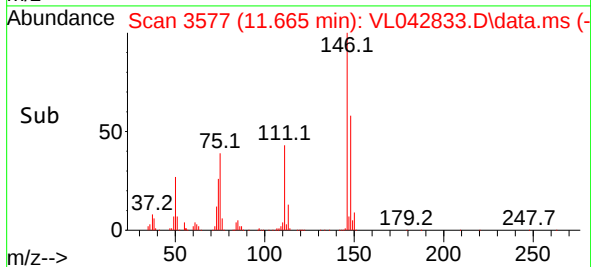
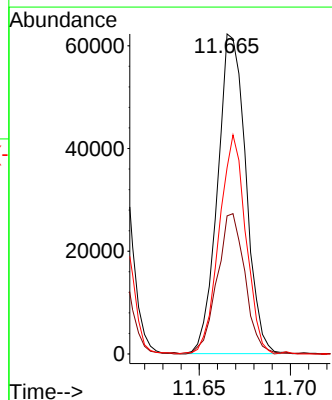
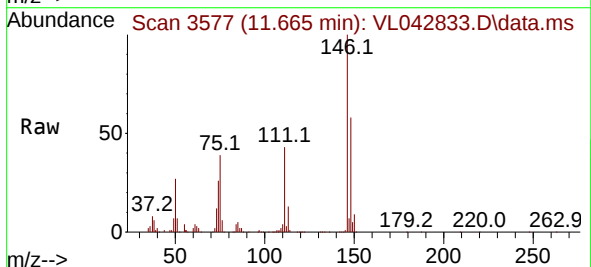
Instrument :
MSVOA_L
ClientSampleId :

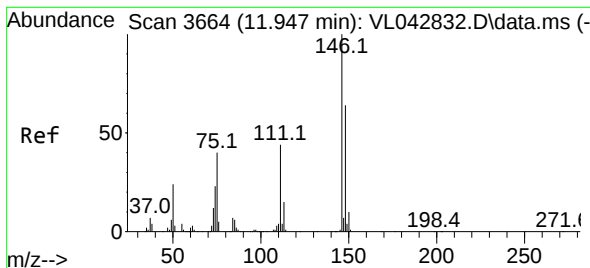
Tgt Ion:146 Resp: 72450
Ion Ratio Lower Upper
146 100
111 44.6 22.4 67.0
148 62.0 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 2.065 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.006 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion:146 Resp: 66921
Ion Ratio Lower Upper
146 100
111 43.4 21.1 63.1
148 65.0 31.3 93.8





#77

1,2-Dichlorobenzene

Concen: 2.104 ppbv

RT: 11.944 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042833.D

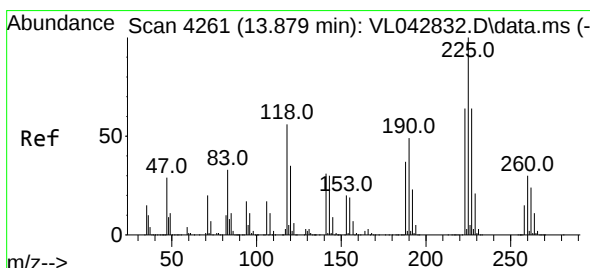
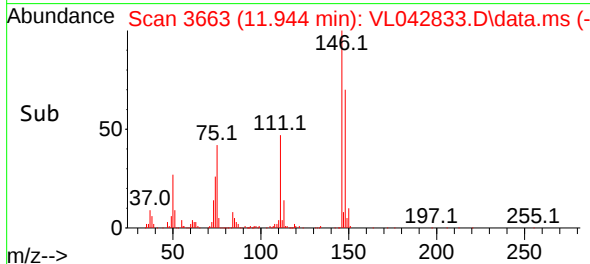
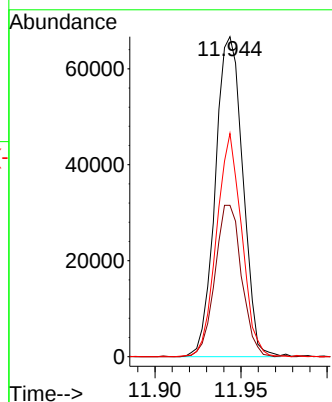
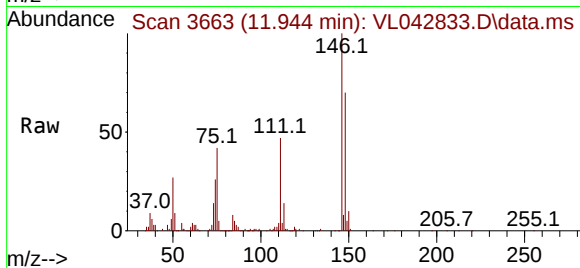
Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	146	Resp:	74132
Ion Ratio	Lower	Upper	
146	100		
111	46.1	23.2	69.6
148	64.0	31.6	95.0



#78

Hexachloro-1,3-Butadiene

Concen: 2.171 ppbv

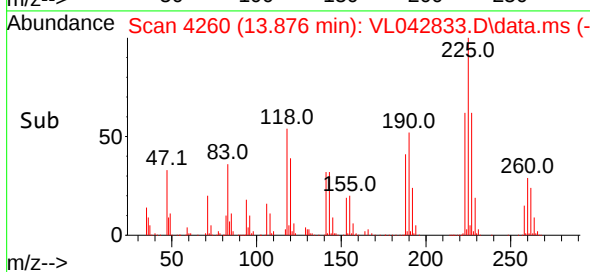
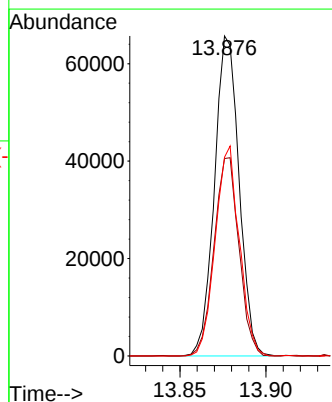
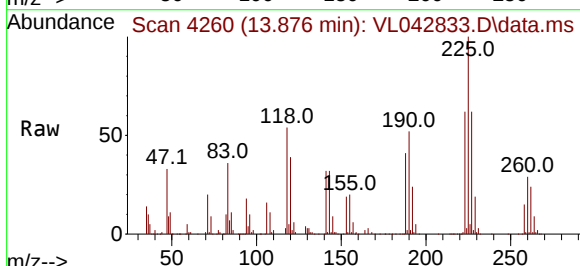
RT: 13.876 min Scan# 4260

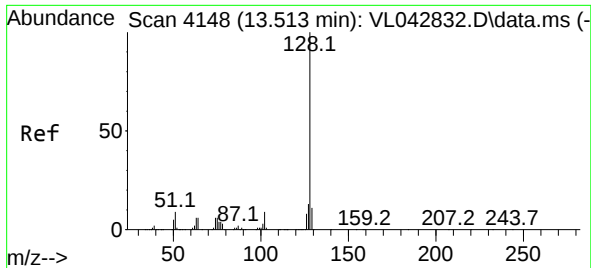
Delta R.T. -0.003 min

Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Tgt Ion:	225	Resp:	65421
Ion Ratio	Lower	Upper	
225	100		
223	62.8	51.1	76.7
227	64.0	50.9	76.3

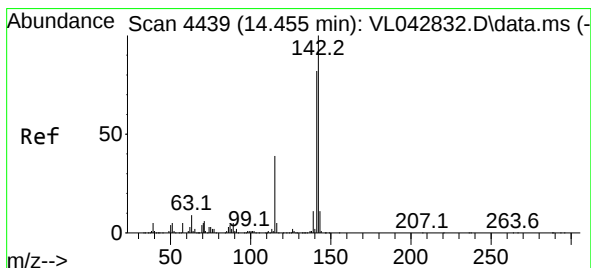
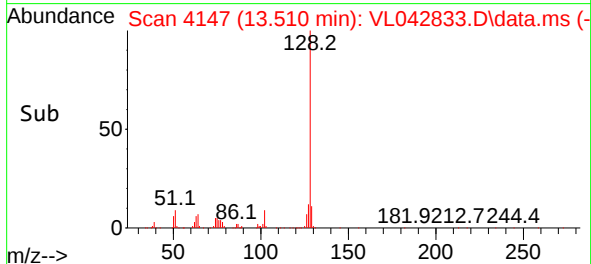
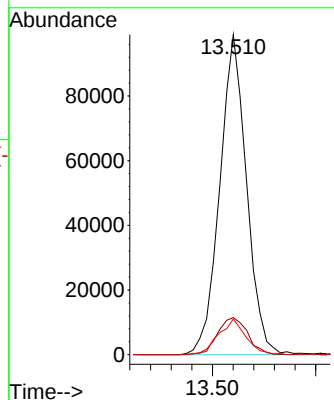
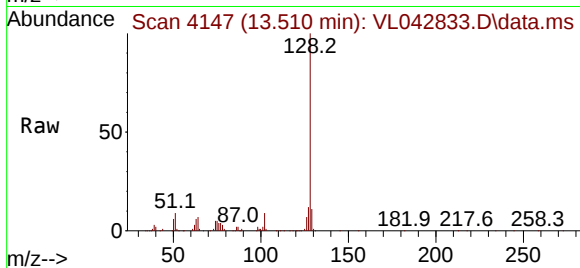




#79
Naphthalene
Concen: 2.432 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

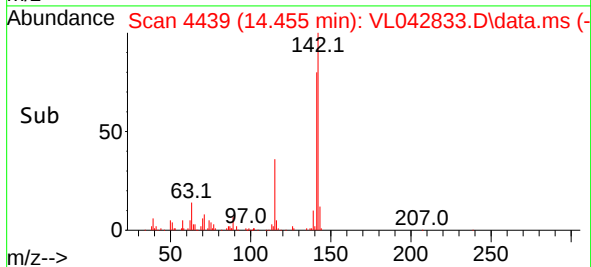
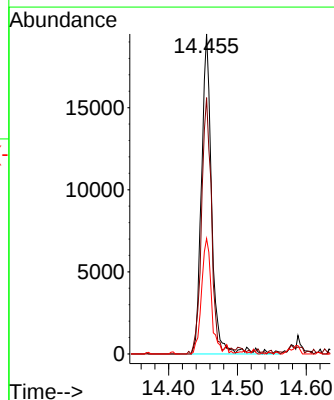
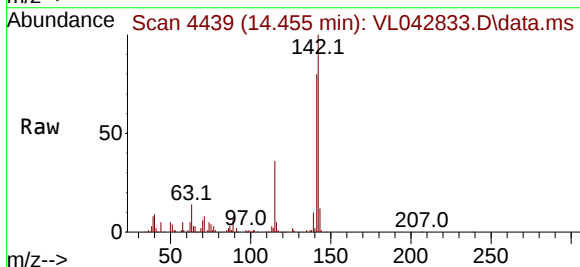
Instrument :
MSVOA_L
ClientSampleId :

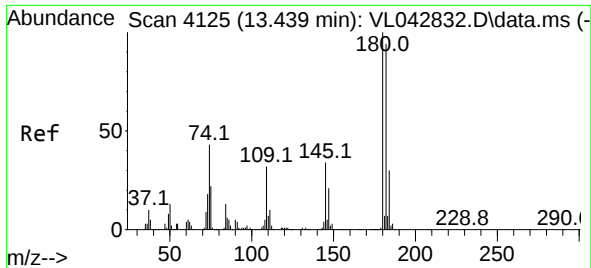
Tgt Ion:128 Resp: 89015
Ion Ratio Lower Upper
128 100
127 11.6 10.6 15.8
129 11.2 8.9 13.3



#80
Naphthalene,2-methyl-
Concen: 1.921 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042833.D
Acq: 11 Aug 2025 08:53

Tgt Ion:142 Resp: 20186
Ion Ratio Lower Upper
142 100
141 81.4 66.4 99.6
115 36.2 30.8 46.2





#81

1,2,4-Trichlorobenzene

Concen: 2.295 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

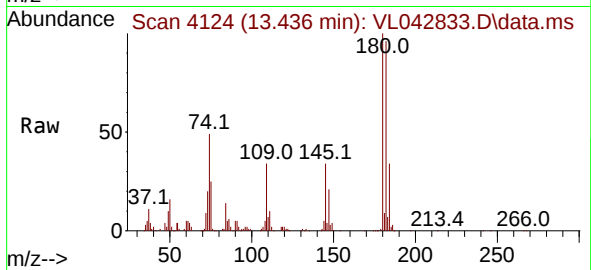
Lab File: VL042833.D

Acq: 11 Aug 2025 08:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 52683

Ion Ratio Lower Upper

180 100

182 97.2 76.4 114.6

184 31.4 24.0 36.0

