

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042771.D
 Acq On : 24 Jul 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 25 01:31:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	148917	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	406846	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	367843	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 300579 10.318 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	181955	9.241	ppbv	100
3) Chlorodifluoromethane	1.476	51	248369	9.684	ppbv	99
4) Chloromethane	1.534	50	73902	9.278	ppbv	94
5) Vinyl Chloride	1.580	62	63354	8.050	ppbv	99
6) Bromomethane	1.670	94	27879	9.163	ppbv	95
7) Chloroethane	1.706	64	25550	8.402	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	146738	9.062	ppbv	98
9) Propene	1.482	41	86353	9.264	ppbv	96
10) Heptane	4.981	43	258987	10.304	ppbv	98
11) Trichlorofluoromethane	1.877	101	181509	8.943	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	142447	9.236	ppbv	98
13) Ethanol	1.722	45	7183	9.431	ppbv	98
14) Bromoethene	1.783	108	50019	9.160	ppbv	98
15) Acetone	1.835	43	150491	7.318	ppbv	99
16) 1,3-Butadiene	1.609	39	77516	8.838	ppbv	99
17) tert-Butyl alcohol	2.042	59	163203	8.800	ppbv	99
18) 1,1-Dichloroethene	2.036	96	62040	8.903	ppbv	91
19) Isopropyl Alcohol	1.887	45	92411	8.457	ppbv	96
20) Methylene Chloride	2.062	84	52595	8.116	ppbv	98
21) Allyl Chloride	2.097	41	119345	9.417	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	68169	9.093	ppbv	95
23) Vinyl Acetate	2.466	43	247276	9.919	ppbv #	97
24) 1,1-Dichloroethane	2.411	63	140110	9.106	ppbv	99
25) Ethyl Acetate	2.839	43	462923	10.171	ppbv	99
26) Hexane	2.829	57	198119	9.922	ppbv	98
27) Carbon Disulfide	2.152	76	166421	9.736	ppbv	98
28) Methyl tert-Butyl Ether	2.440	73	76870	8.149	ppbv	97
29) Chloroform	2.852	83	304339	9.864	ppbv	98
30) Cyclohexane	3.861	84	162845	9.617	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	198315	9.666	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	299522	9.320	ppbv	99
34) 2-Butanone	2.557	43	300947	10.443	ppbv	100
35) Carbon Tetrachloride	3.768	117	317984	10.522	ppbv	98
36) Benzene	3.661	78	396691	10.288	ppbv	98
37) 1,2-Dichloroethane	3.220	62	240289	10.345	ppbv	100
38) Trichloroethene	4.554	130	172128	9.292	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147018	10.330	ppbv	97
40) 1,4-Dioxane	4.583	88	61288	9.238	ppbv #	98
41) Tetrahydrofuran	3.055	42	160801	10.965	ppbv	98
42) Bromodichloromethane	4.492	83	330019	10.910	ppbv	97
43) Methyl Methacrylate	4.884	69	149931	10.940	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675738	10.752	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	162427	10.568	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042771.D
 Acq On : 24 Jul 2025 19:08
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

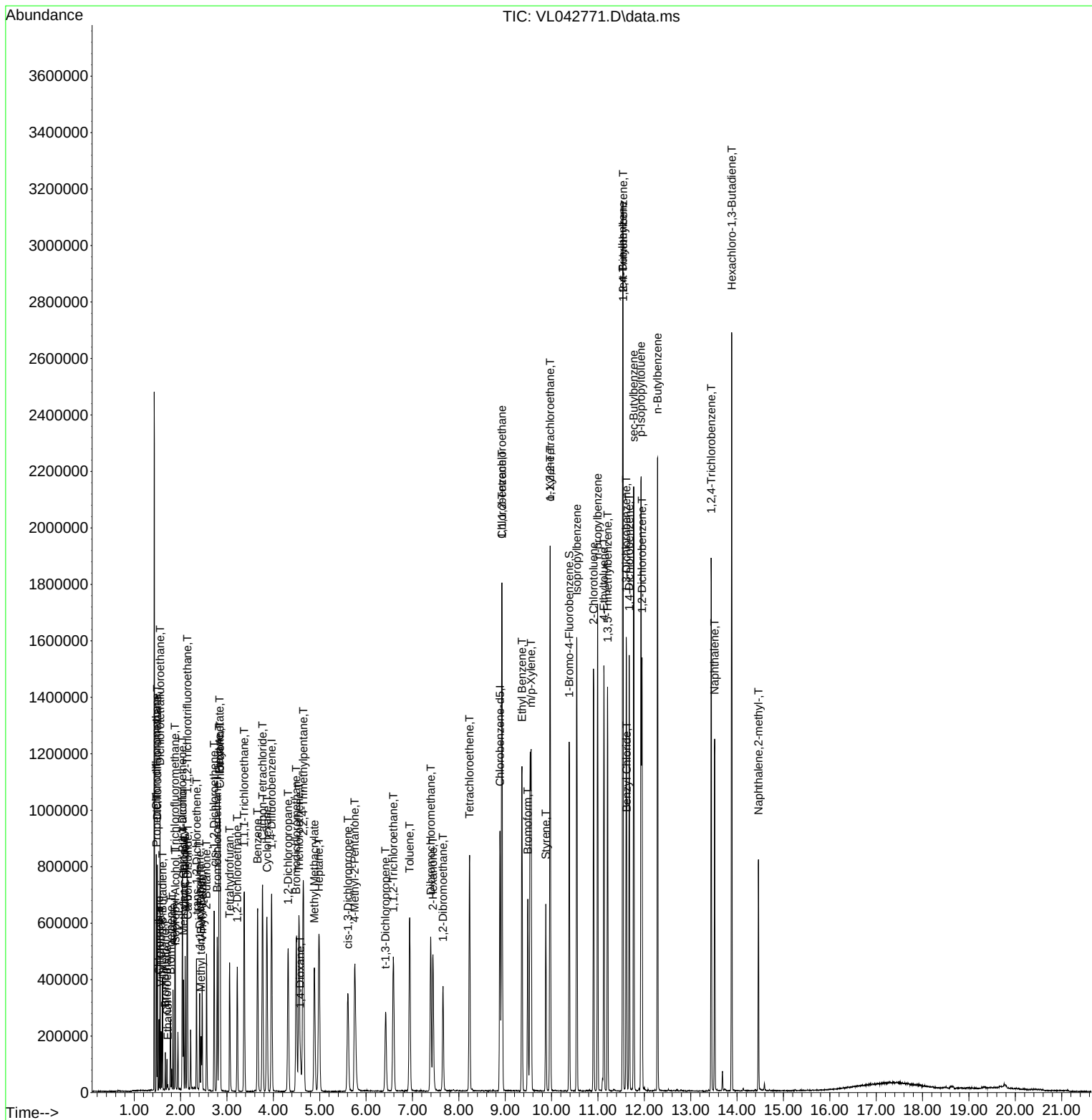
Instrument :
 MSVOA_L
 ClientSampleId :

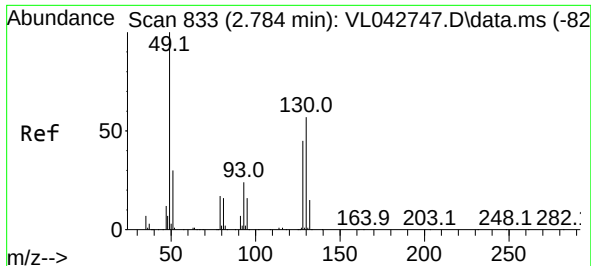
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	210284	10.797	ppbv	100
47) 1,1,2-Trichloroethane	6.587	97	156209	10.296	ppbv	95
48) Dibromochloromethane	7.396	129	263497	10.940	ppbv	100
49) Bromoform	9.487	173	231495	11.023	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	409273	11.025	ppbv	98
51) 2-Hexanone	7.441	43	329154	11.733	ppbv #	98
52) Tetrachloroethene	8.228	164	147171	9.208	ppbv	97
53) Toluene	6.939	91	440763	10.645	ppbv	99
54) 1,2-Dibromoethane	7.658	107	228193	10.645	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.930	131	200130	10.464	ppbv	100
57) Chlorobenzene	8.930	112	357756	10.049	ppbv #	96
58) Ethyl Benzene	9.360	91	626960	10.793	ppbv	100
59) m/p-Xylene	9.555	91	453825	9.776	ppbv #	30
60) o-Xylene	9.969	91	505362	10.894	ppbv	100
61) Styrene	9.875	104	219025	11.224	ppbv	99
62) Isopropylbenzene	10.545	105	730483	10.675	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290798	9.764	ppbv	99
64) n-propylbenzene	10.992	120	192859	10.811	ppbv	98
65) tert-Butylbenzene	11.535	119	646470	10.636	ppbv	98
66) Benzyl Chloride	11.620	91	56188	11.261	ppbv	99
67) sec-Butylbenzene	11.772	105	915333	10.588	ppbv	100
69) p-Isopropyltoluene	11.927	119	784401	11.128	ppbv	100
70) n-Butylbenzene	12.283	91	794926	11.675	ppbv	100
71) 2-Chlorotoluene	10.904	91	562887	10.728	ppbv	100
72) 4-Ethyltoluene	11.128	105	618732	11.168	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	512194	11.229	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	567894	11.412	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	364805	10.457	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	360751	10.567	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	349296	10.187	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	285543	9.201	ppbv	99
79) Naphthalene	13.516	128	549421	10.167	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	219012	8.324	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	308441	10.156	ppbv	99

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

Quant Time: Jul 25 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

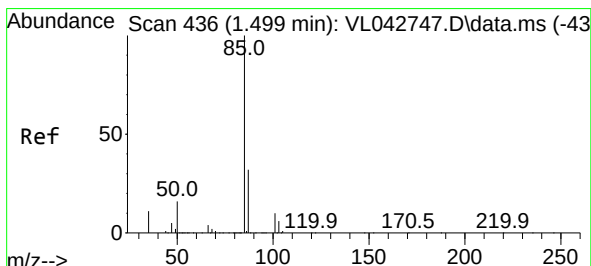
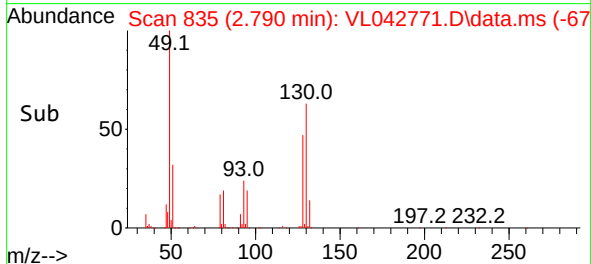
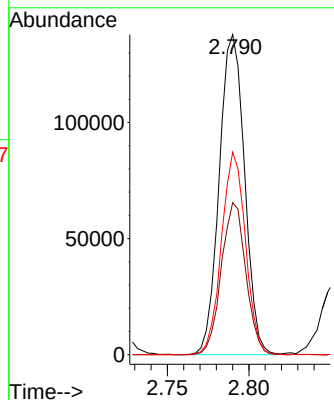
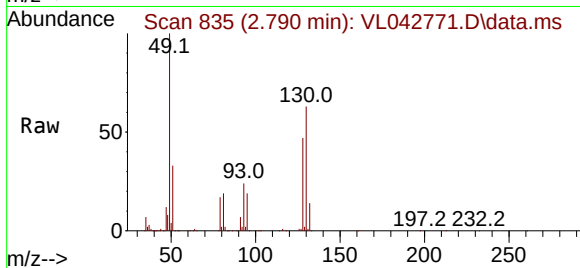




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

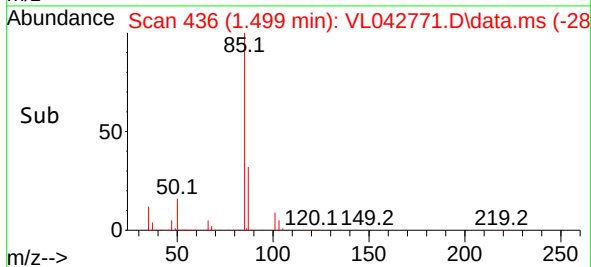
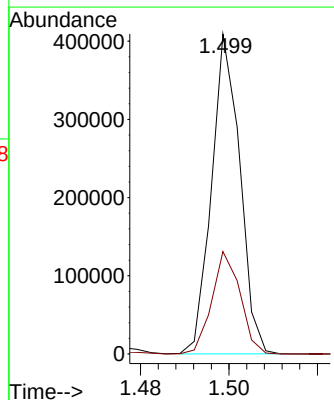
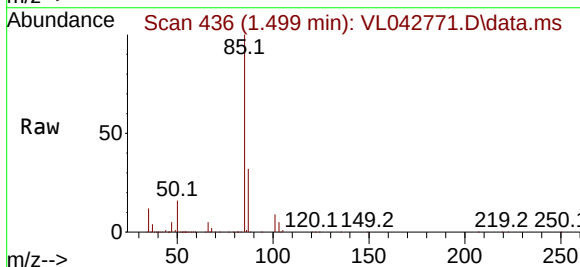
Instrument :
 MSVOA_L
 ClientSampleId :

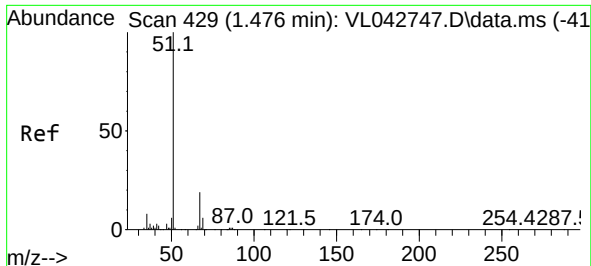
Tgt Ion: 49 Resp: 148917
 Ion Ratio Lower Upper
 49 100
 128 46.0 23.6 71.0
 130 60.0 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 9.241 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 85 Resp: 181955
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.4 38.2

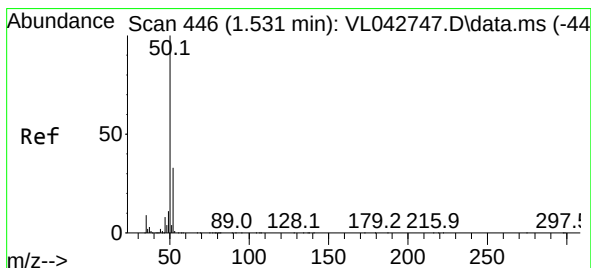
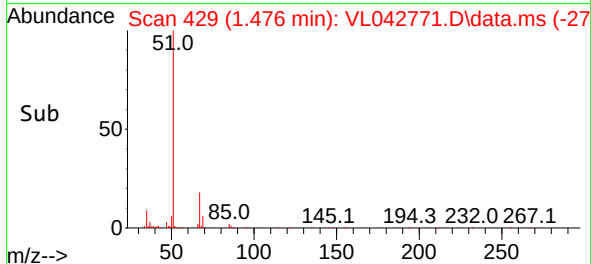
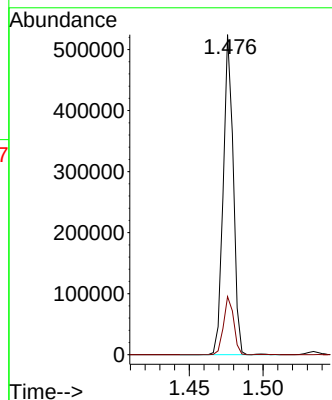
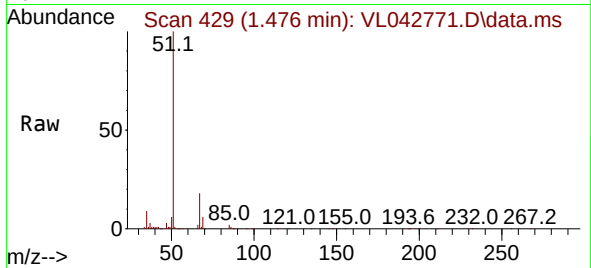




#3
Chlorodifluoromethane
Concen: 9.684 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

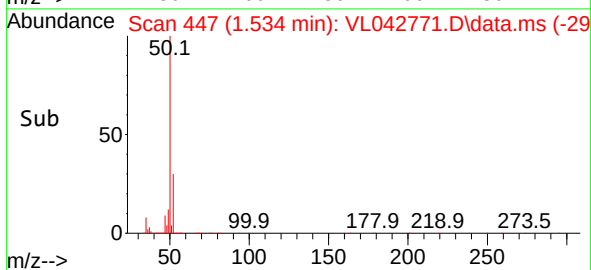
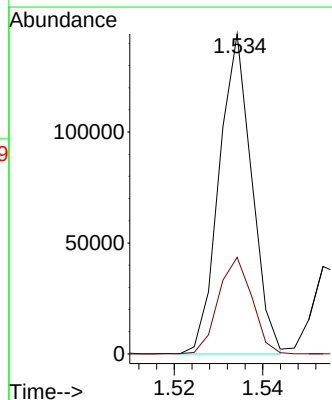
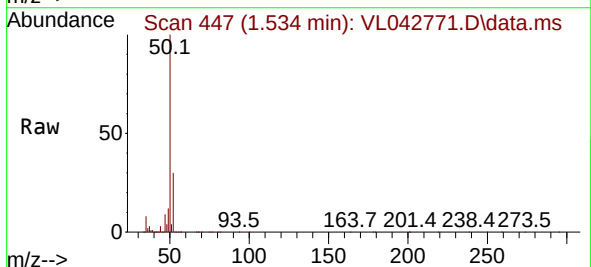
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MSVOA_L
ClientSampleId :

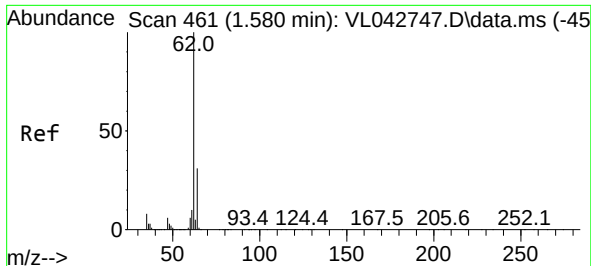
Tgt Ion: 51 Resp: 248369
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.6



#4
Chloromethane
Concen: 9.278 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 50 Resp: 73902
Ion Ratio Lower Upper
50 100
52 30.1 26.6 40.0

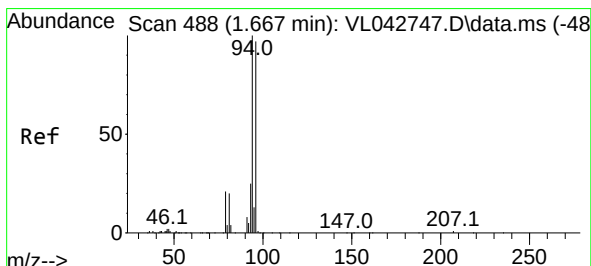
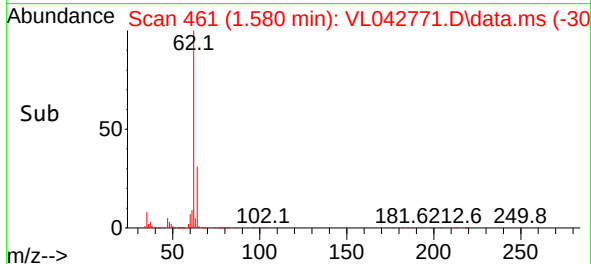
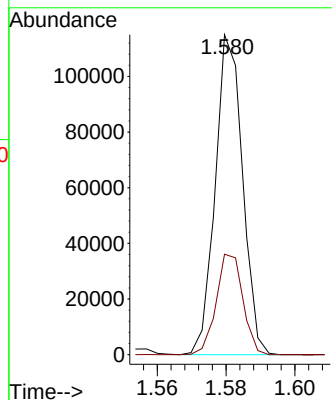
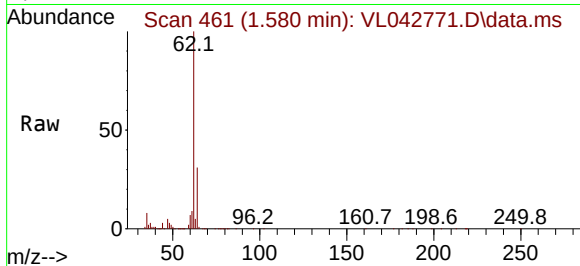




#5
 Vinyl Chloride
 Concen: 8.050 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

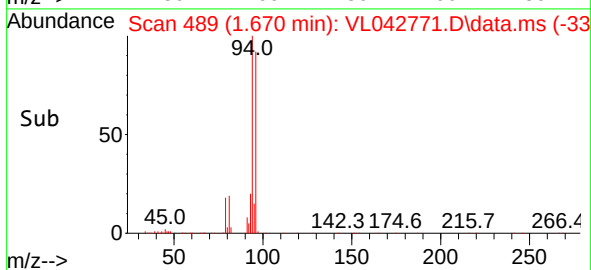
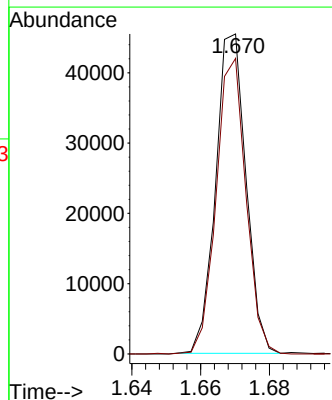
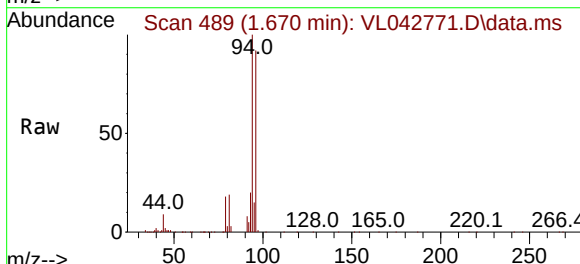
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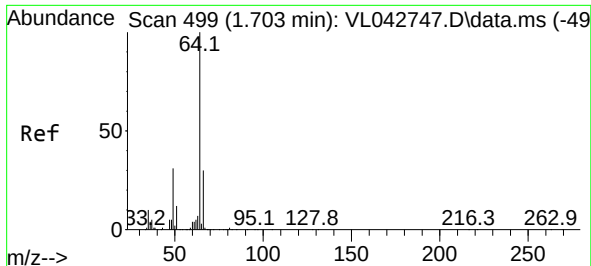
Tgt Ion: 62 Resp: 63354
 Ion Ratio Lower Upper
 62 100
 64 31.4 24.5 36.7



#6
 Bromomethane
 Concen: 9.163 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 94 Resp: 27879
 Ion Ratio Lower Upper
 94 100
 96 92.3 77.6 116.4

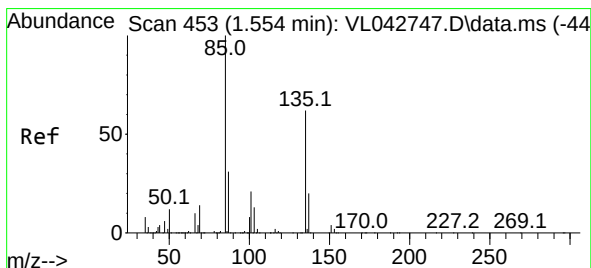
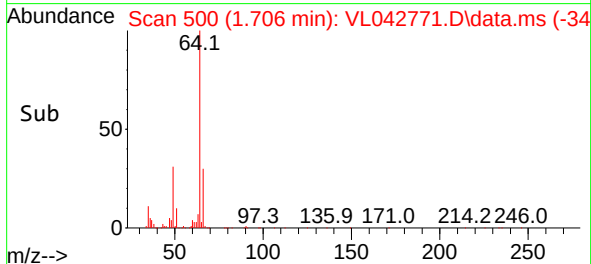
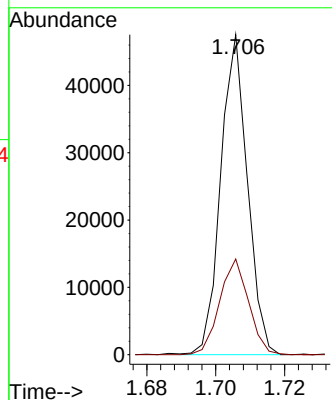
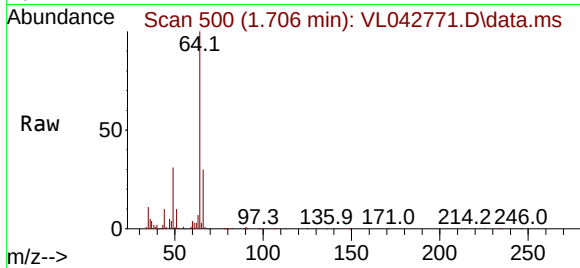




#7
Chloroethane
Concen: 8.402 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

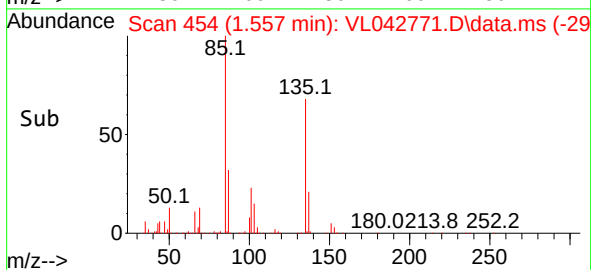
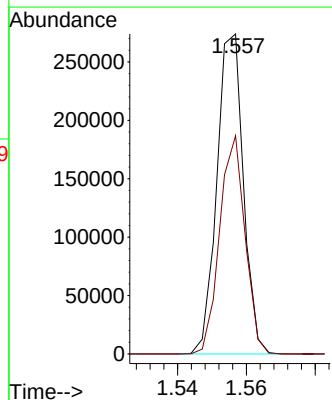
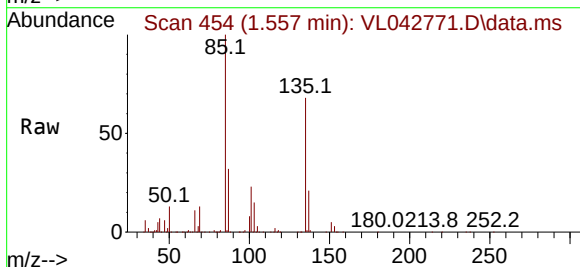
Instrument :
MSVOA_L
ClientSampleId :

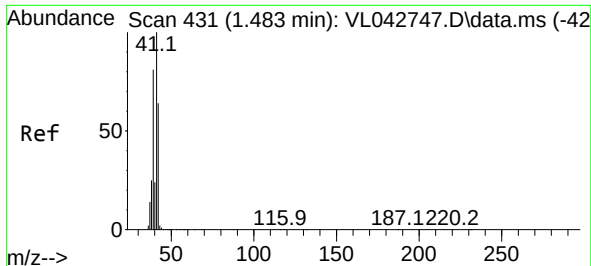
Tgt Ion: 64 Resp: 25550
Ion Ratio Lower Upper
64 100
66 29.9 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.062 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 85 Resp: 146738
Ion Ratio Lower Upper
85 100
135 65.2 50.6 76.0





#9

Propene

Concen: 9.264 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

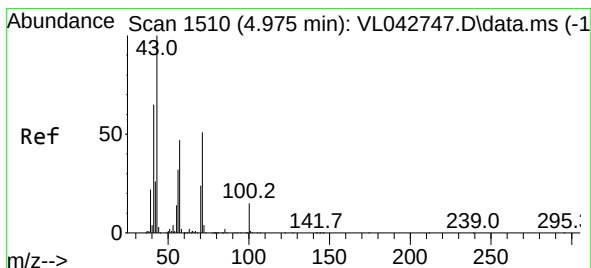
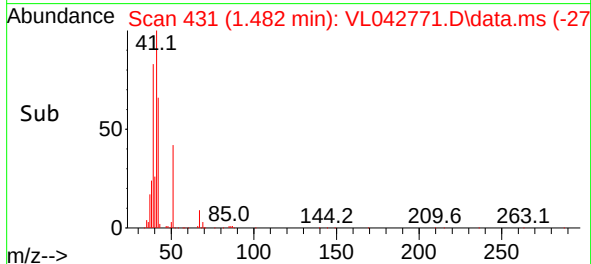
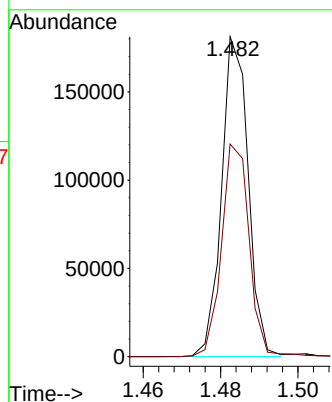
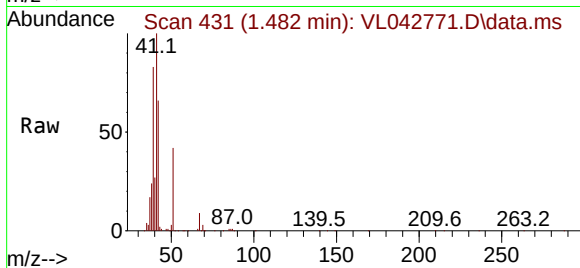
ClientSampleId :

Tgt Ion: 41 Resp: 86353

Ion Ratio Lower Upper

41 100

42 69.7 53.2 79.8



#10

Heptane

Concen: 10.304 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VL042771.D

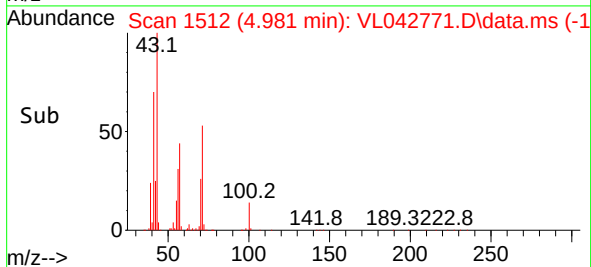
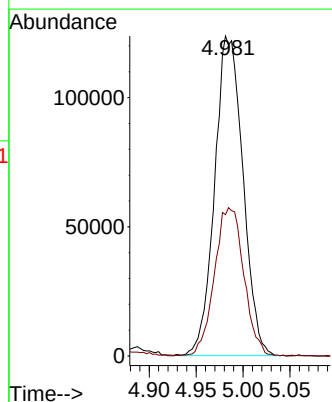
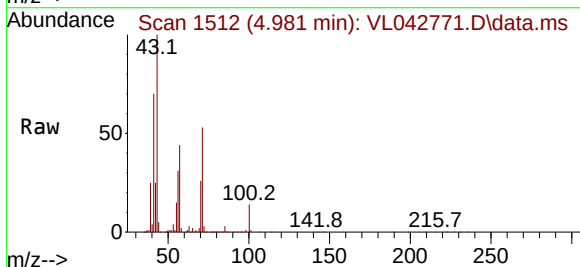
Acq: 24 Jul 2025 19:08

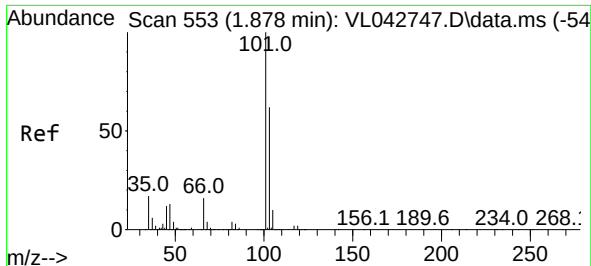
Tgt Ion: 43 Resp: 258987

Ion Ratio Lower Upper

43 100

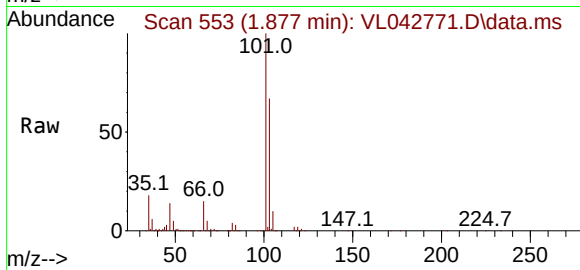
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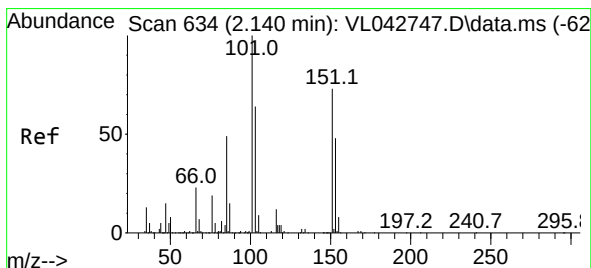
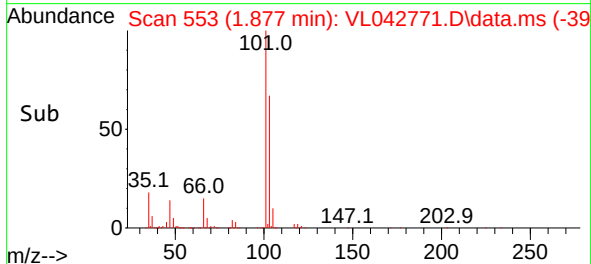
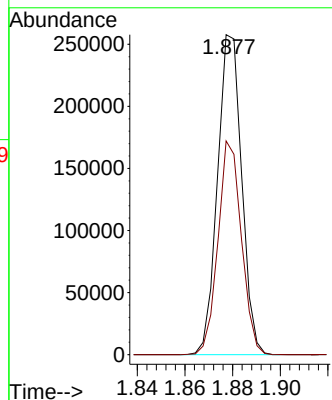


#11
 Trichlorofluoromethane
 Concen: 8.943 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Instrument :
 MSVOA_L
 ClientSampleId :

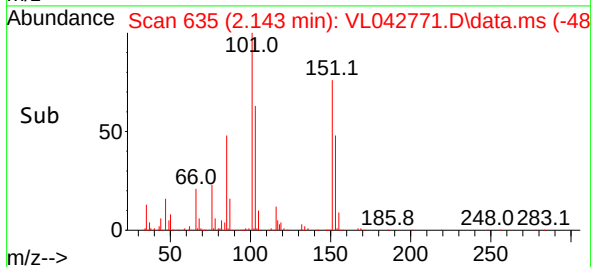
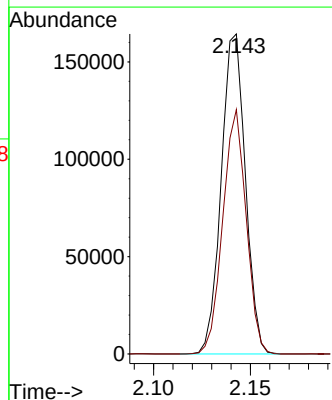
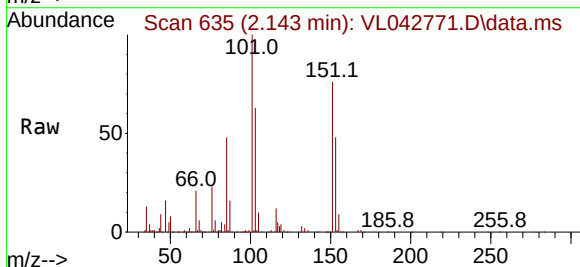


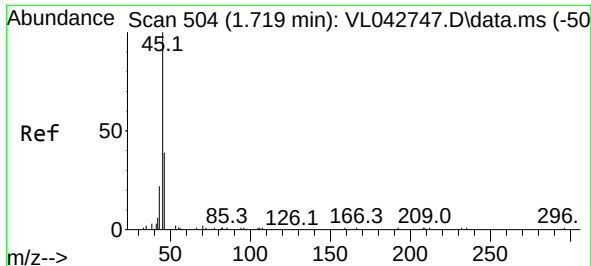
Tgt Ion:101 Resp: 181509
 Ion Ratio Lower Upper
 101 100
 103 66.8 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.236 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion:101 Resp: 142447
 Ion Ratio Lower Upper
 101 100
 151 73.9 60.5 90.7

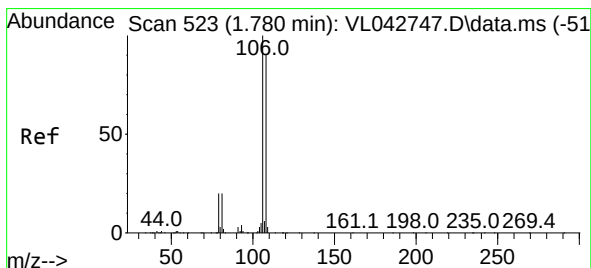
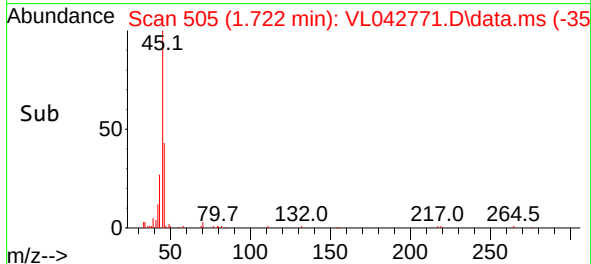
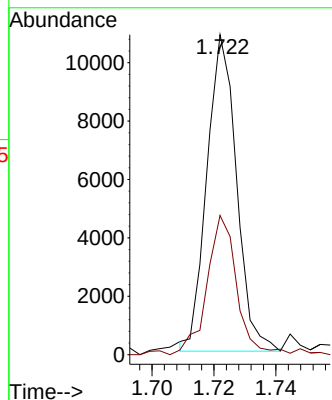
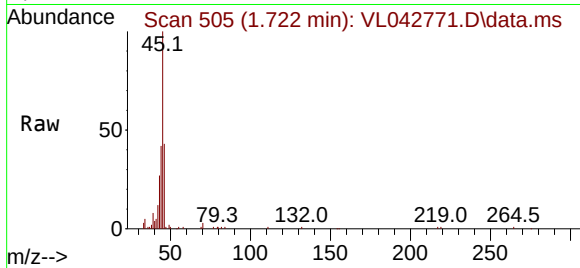




#13
 Ethanol
 Concen: 9.431 ppbv
 RT: 1.722 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

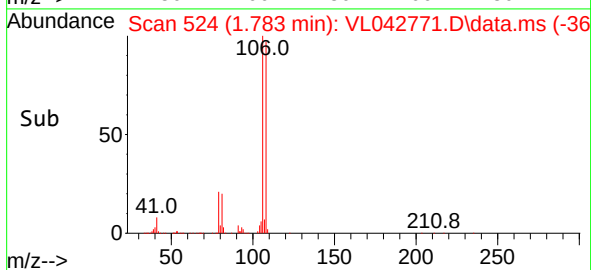
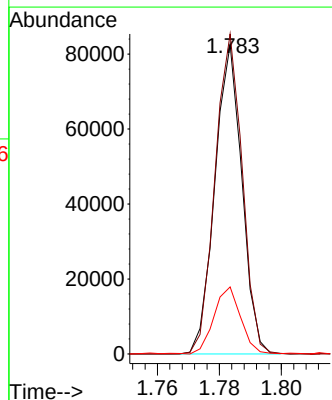
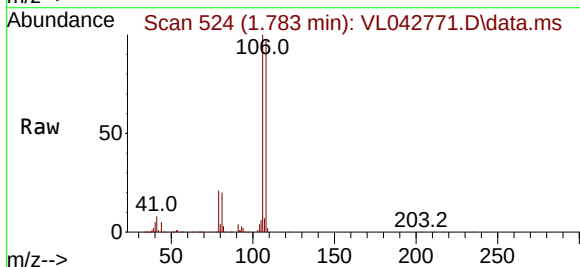
Instrument :
 MSVOA_L
 ClientSampleId :

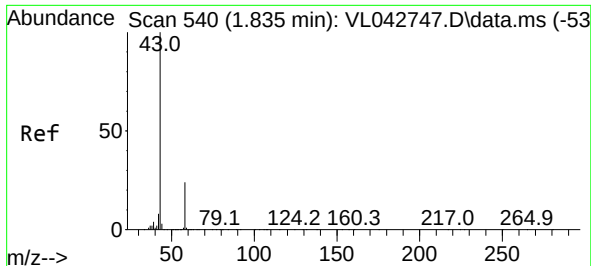
Tgt Ion: 45 Resp: 7183
 Ion Ratio Lower Upper
 45 100
 46 45.6 17.8 71.4



#14
 Bromoethene
 Concen: 9.160 ppbv
 RT: 1.783 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 108 Resp: 50019
 Ion Ratio Lower Upper
 108 100
 106 103.7 84.7 127.1
 79 22.1 17.4 26.2

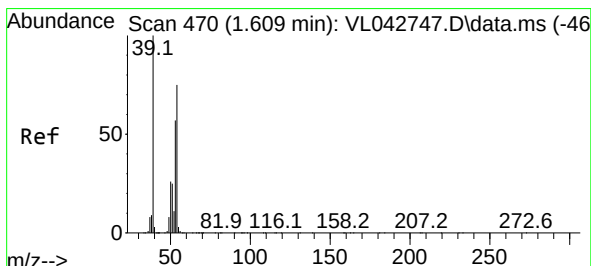
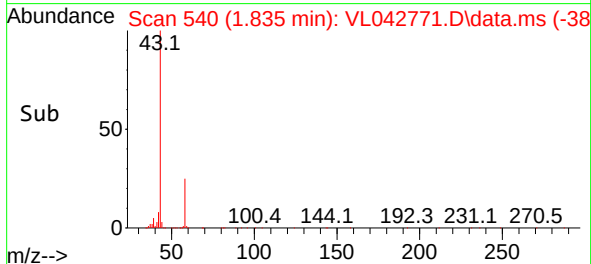
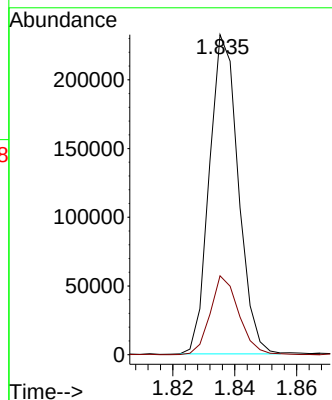
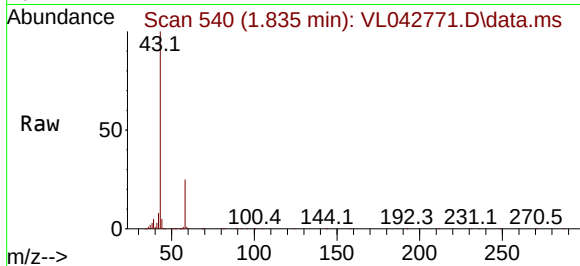




#15
Acetone
Concen: 7.318 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

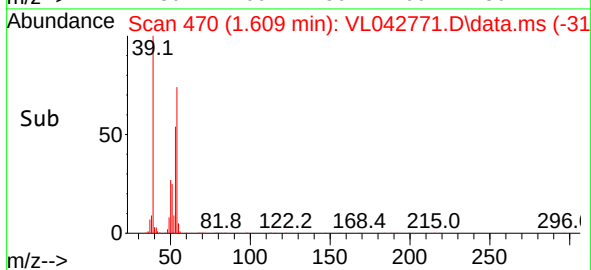
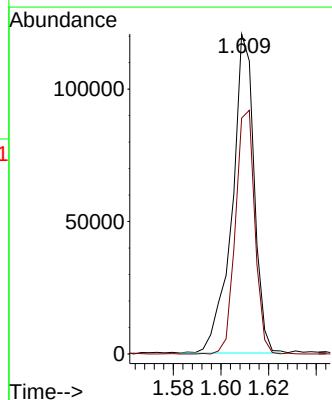
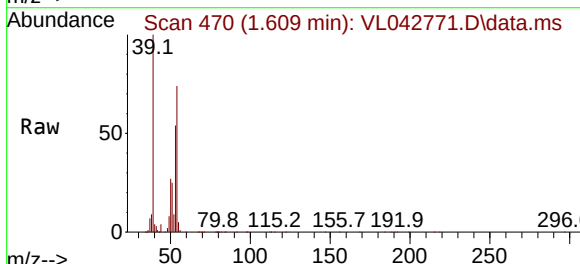
Instrument :
MSVOA_L
ClientSampleId :

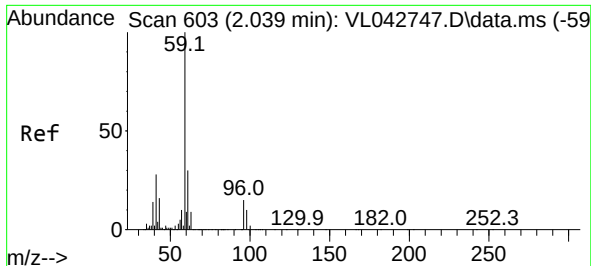
Tgt Ion: 43 Resp: 150491
Ion Ratio Lower Upper
43 100
58 24.5 19.8 29.8



#16
1,3-Butadiene
Concen: 8.838 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 39 Resp: 77516
Ion Ratio Lower Upper
39 100
54 67.0 54.5 81.7





#17

tert-Butyl alcohol

Concen: 8.800 ppbv

RT: 2.042 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

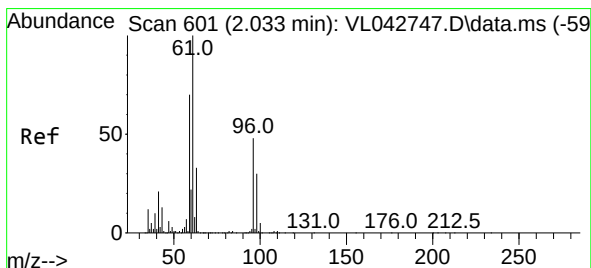
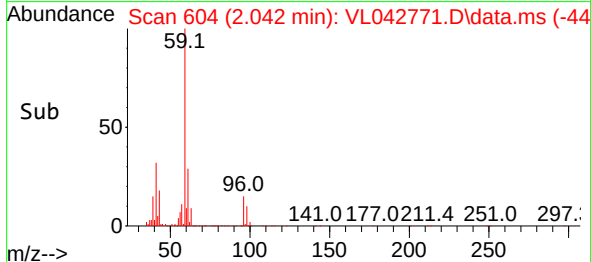
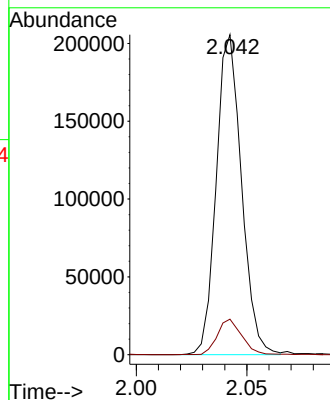
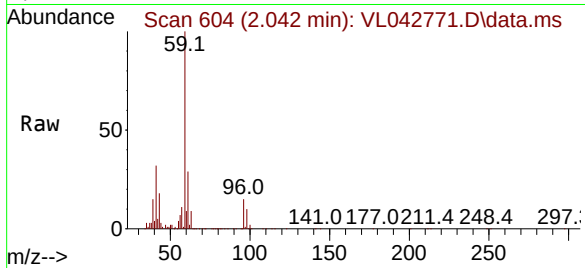
ClientSampleId :

Tgt Ion: 59 Resp: 163203

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#18

1,1-Dichloroethene

Concen: 8.903 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

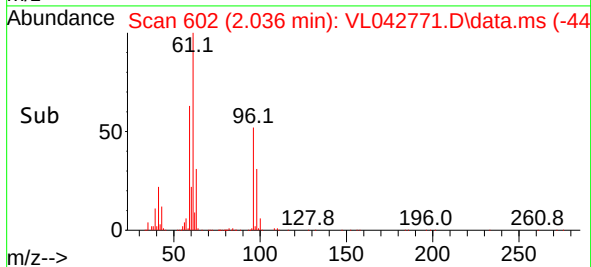
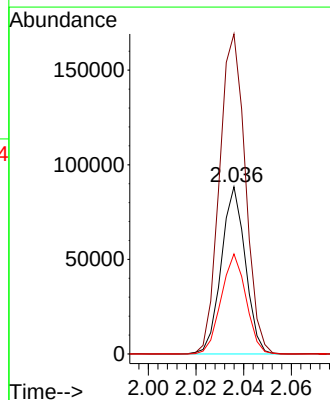
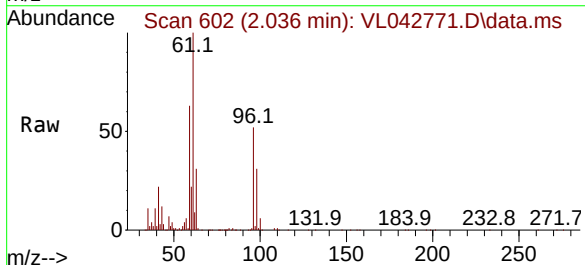
Tgt Ion: 96 Resp: 62040

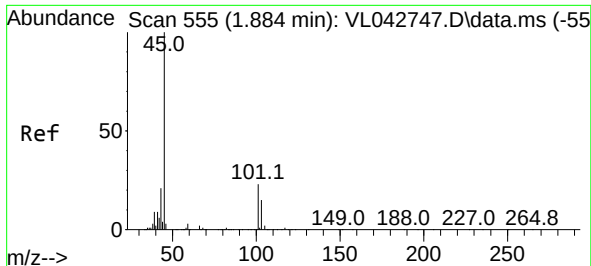
Ion Ratio Lower Upper

96 100

61 191.4 165.8 248.6

98 59.8 49.9 74.9

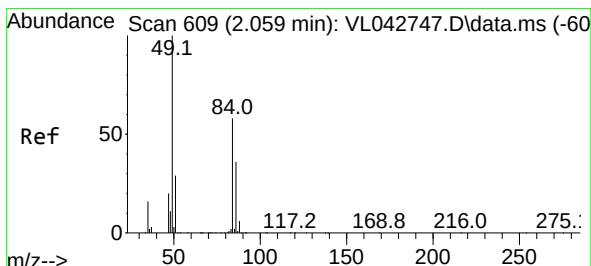
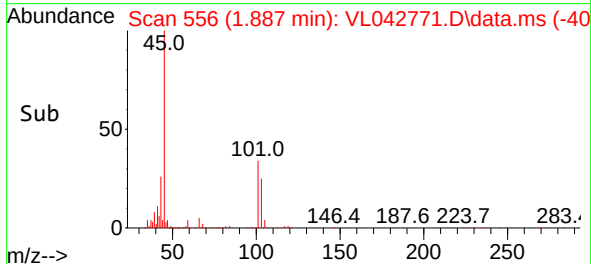
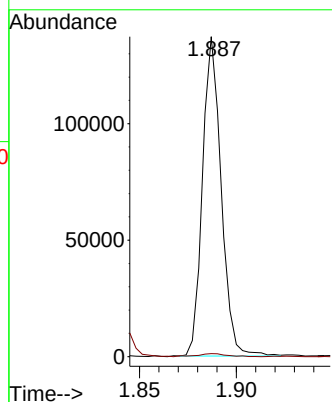
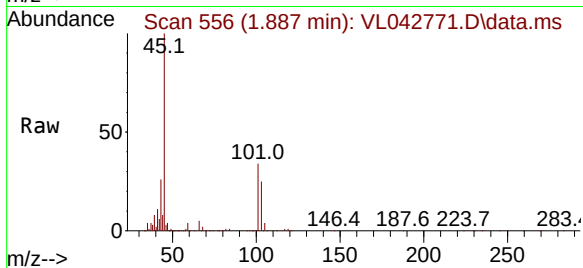




#19
Isopropyl Alcohol
Concen: 8.457 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

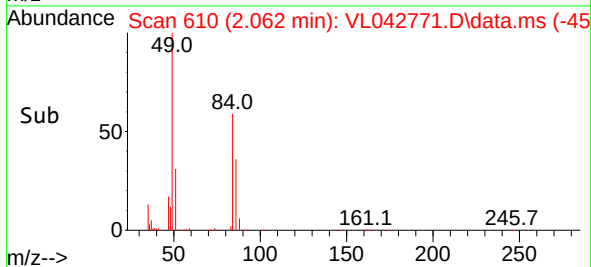
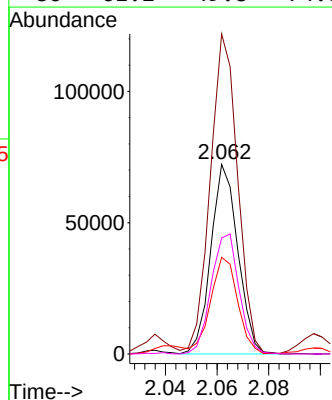
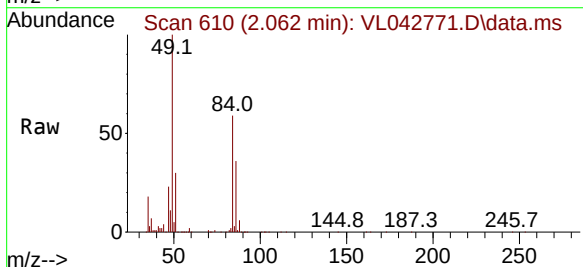
Instrument :
MSVOA_L
ClientSampleId :

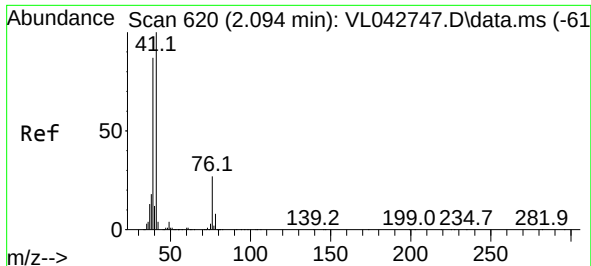
Tgt Ion: 45 Resp: 92411
Ion Ratio Lower Upper
45 100
58 39.9 30.0 45.0



#20
Methylene Chloride
Concen: 8.116 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 84 Resp: 52595
Ion Ratio Lower Upper
84 100
49 168.4 138.6 208.0
51 50.6 40.6 61.0
86 61.2 49.8 74.8

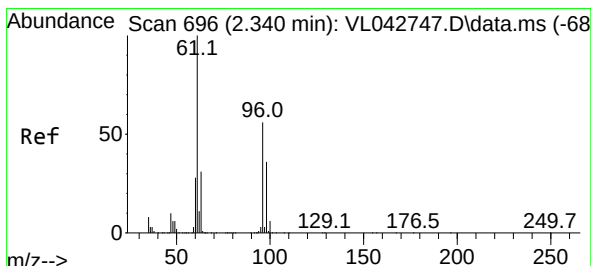
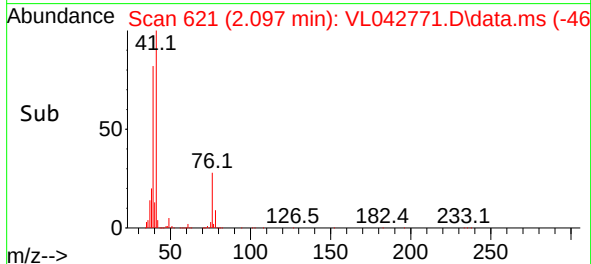
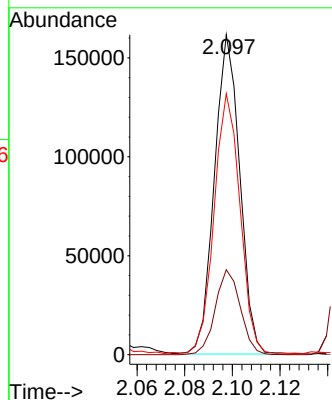
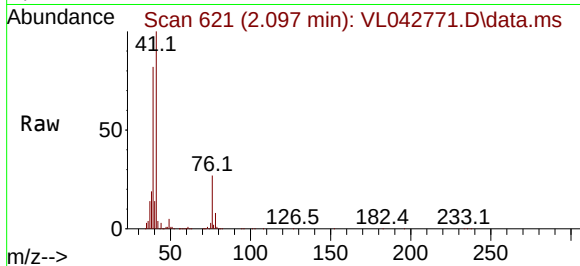




#21
 Allyl Chloride
 Concen: 9.417 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

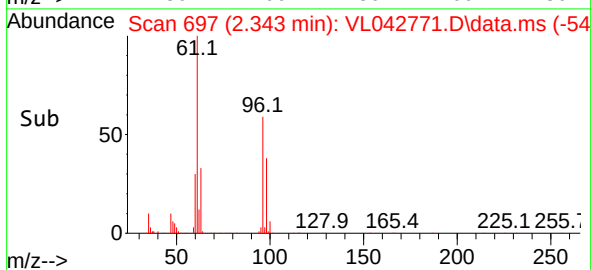
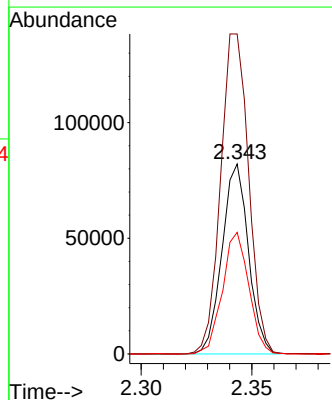
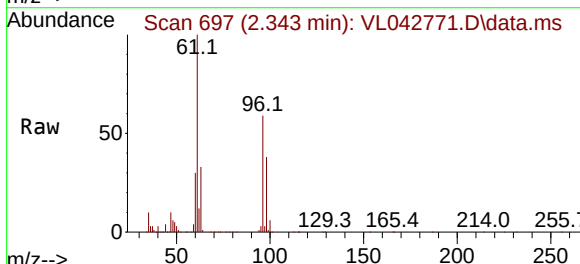
Instrument :
 MSVOA_L
 ClientSampleId :

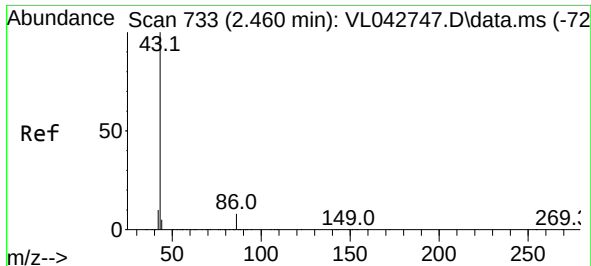
Tgt Ion: 41 Resp: 119345
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.1 31.7
 39 82.7 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.093 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

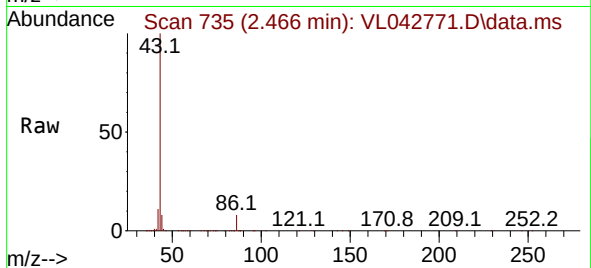
Tgt Ion: 96 Resp: 68169
 Ion Ratio Lower Upper
 96 100
 61 168.4 142.3 213.5
 98 64.0 50.6 76.0



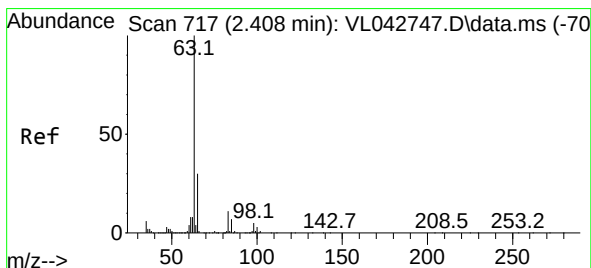
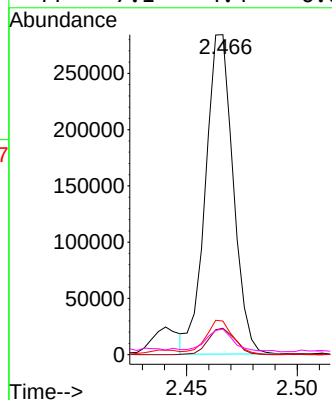
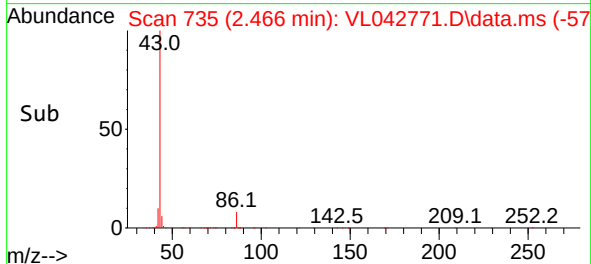


#23
 Vinyl Acetate
 Concen: 9.919 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

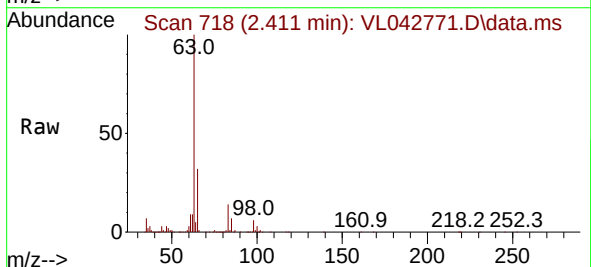
Instrument :
 MSVOA_L
 ClientSampleId :



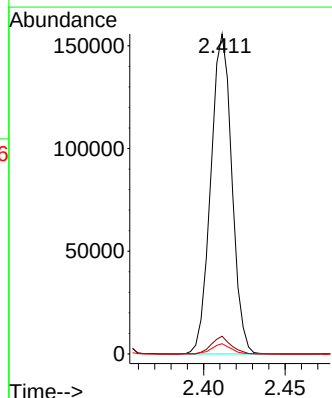
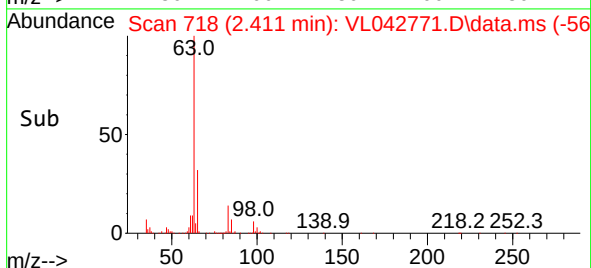
Tgt Ion: 43 Resp: 247276
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.1 9.1
 42 10.4 7.8 11.8
 44 7.1 4.4 6.6#

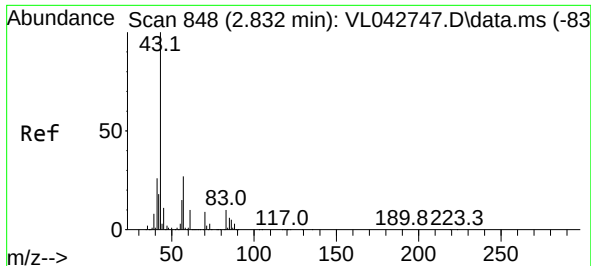


#24
 1,1-Dichloroethane
 Concen: 9.106 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08



Tgt Ion: 63 Resp: 140110
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.5 7.4
 100 3.2 1.6 4.8





#25

Ethyl Acetate

Concen: 10.171 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 462923

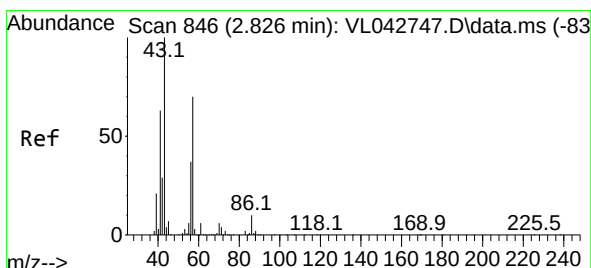
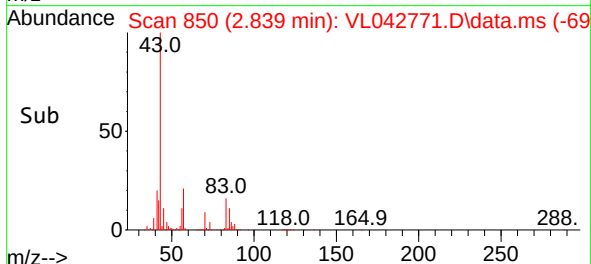
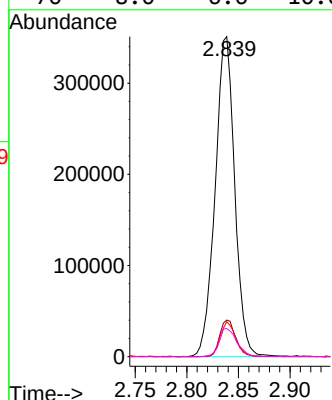
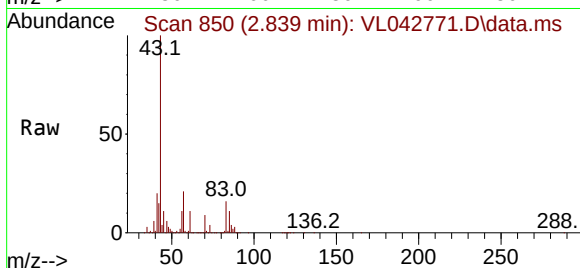
Ion Ratio Lower Upper

43 100

45 9.5 7.8 11.6

61 8.8 6.7 10.1

70 8.0 6.6 10.0



#26

Hexane

Concen: 9.922 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Tgt Ion: 57 Resp: 198119

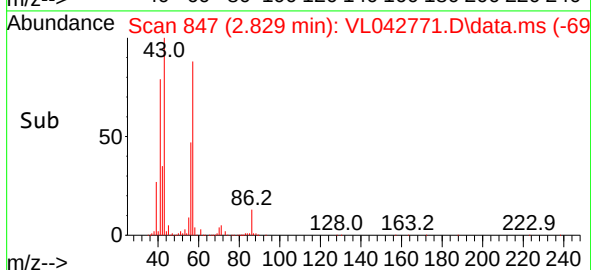
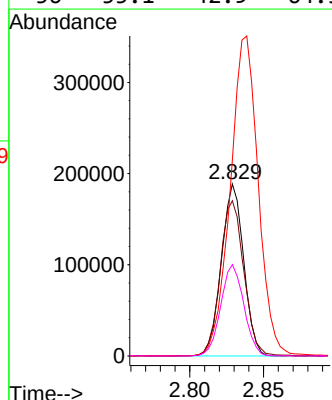
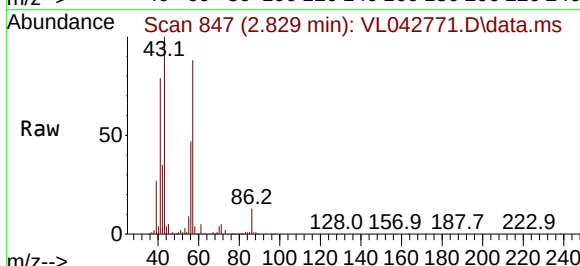
Ion Ratio Lower Upper

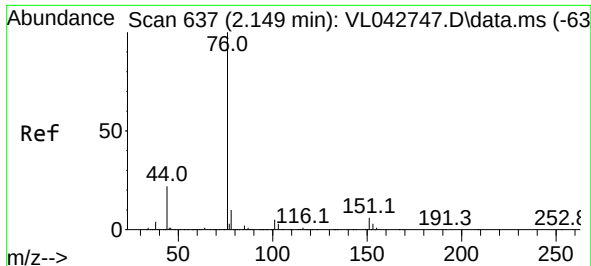
57 100

41 96.2 75.4 113.2

43 233.8 185.0 277.6

56 55.1 42.9 64.3

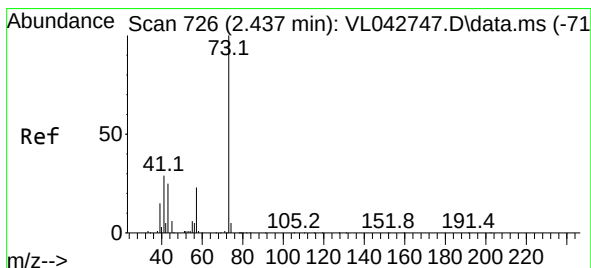
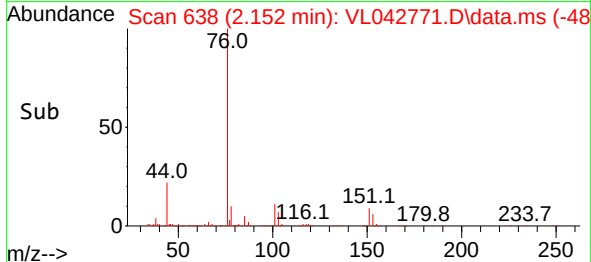
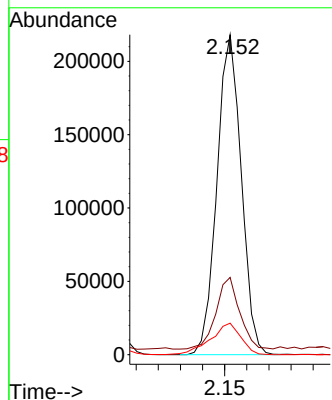
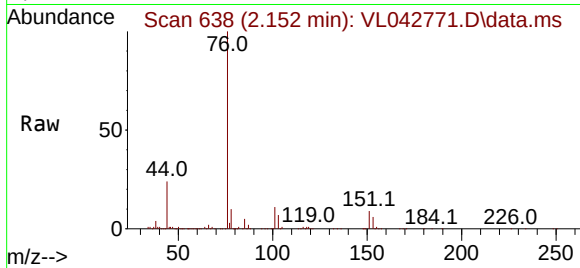




#27
Carbon Disulfide
Concen: 9.736 ppbv
RT: 2.152 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

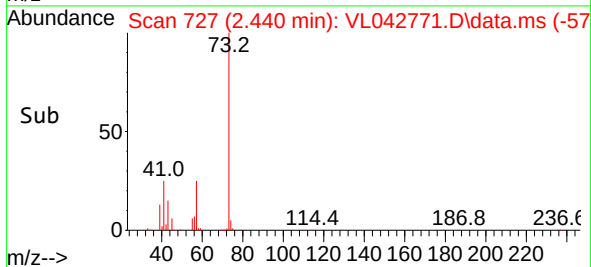
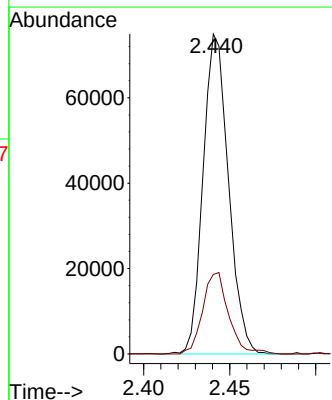
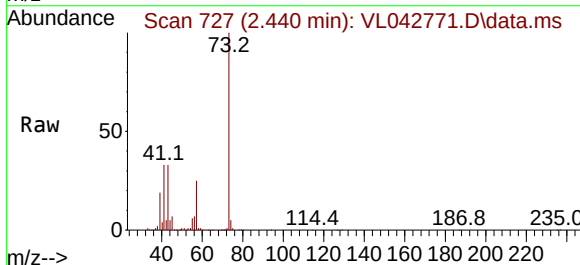
Instrument :
MSVOA_L
ClientSampleId :

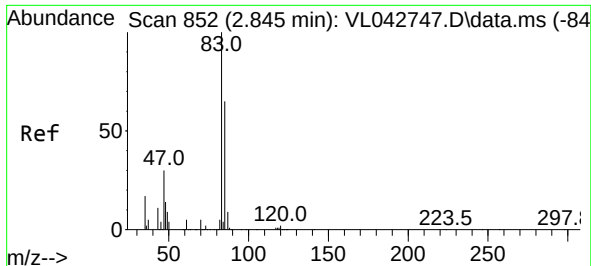
Tgt Ion: 76 Resp: 166421
Ion Ratio Lower Upper
76 100
44 22.4 19.3 28.9
78 12.3 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 8.149 ppbv
RT: 2.440 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 73 Resp: 76870
Ion Ratio Lower Upper
73 100
57 26.1 19.8 29.8





#29

Chloroform

Concen: 9.864 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

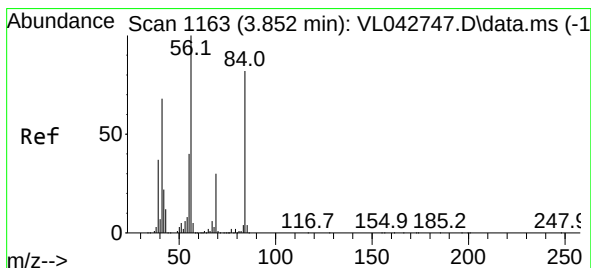
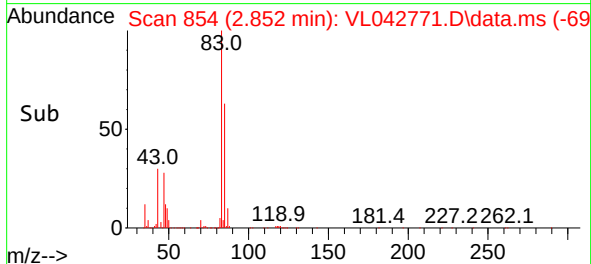
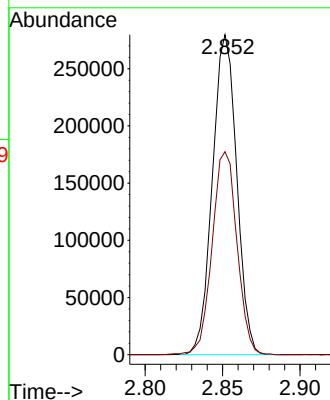
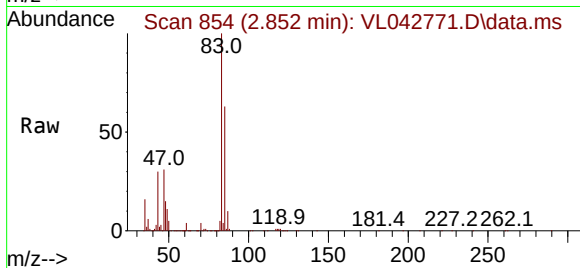
ClientSampleId :

Tgt Ion: 83 Resp: 304339

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.2



#30

Cyclohexane

Concen: 9.617 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.009 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

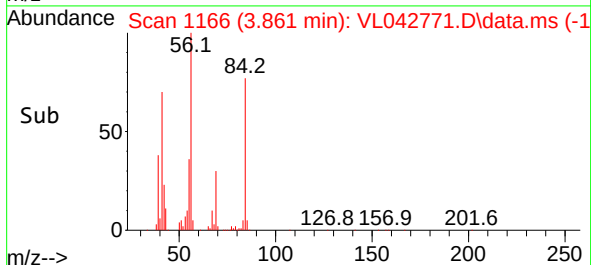
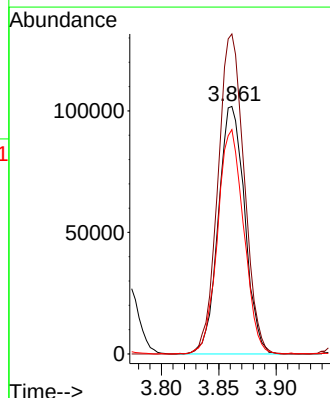
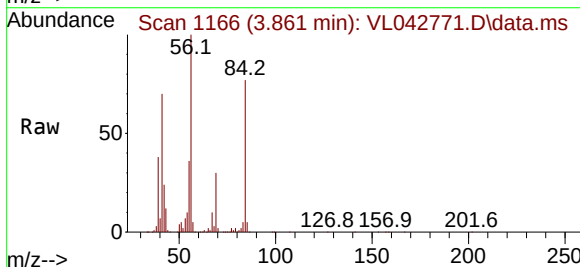
Tgt Ion: 84 Resp: 162845

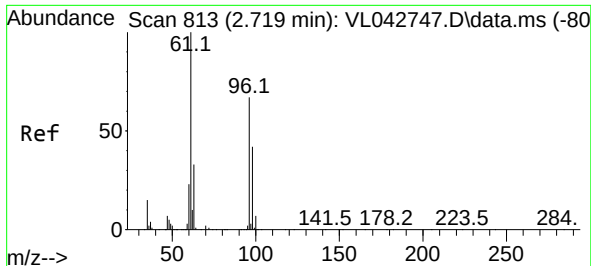
Ion Ratio Lower Upper

84 100

56 128.6 97.5 146.3

41 90.4 67.2 100.8

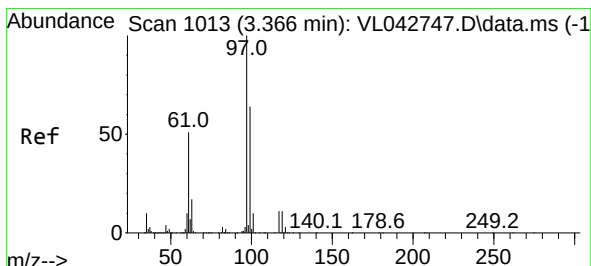
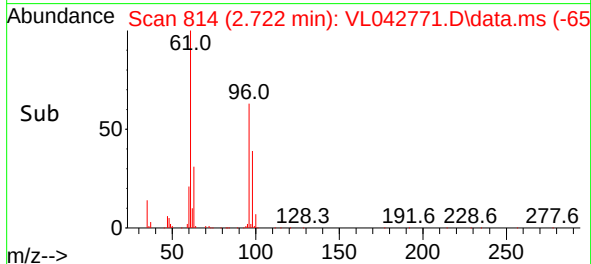
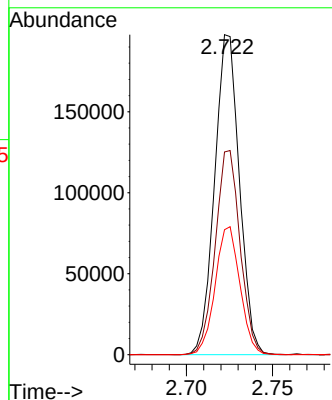
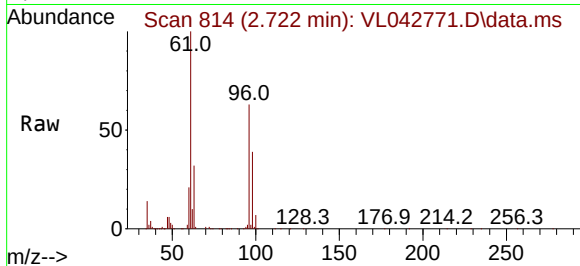




#31
 cis-1,2-Dichloroethene
 Concen: 9.666 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

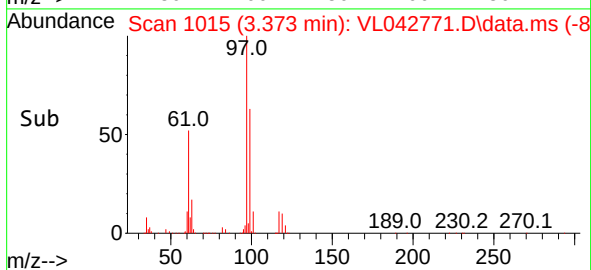
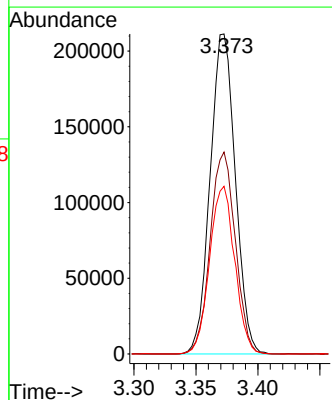
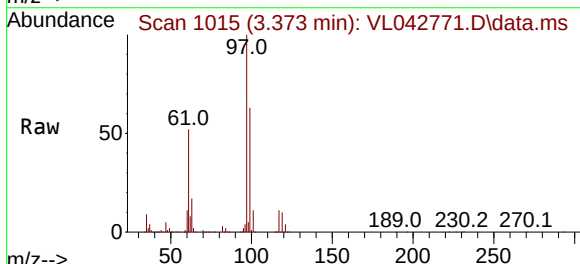
Instrument :
 MSVOA_L
 ClientSampleId :

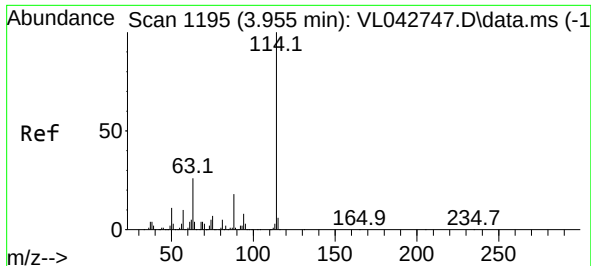
Tgt Ion: 61 Resp: 198315
 Ion Ratio Lower Upper
 61 100
 96 63.3 53.5 80.3
 98 39.1 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.320 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 97 Resp: 299522
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.0 76.6
 61 52.4 40.9 61.3

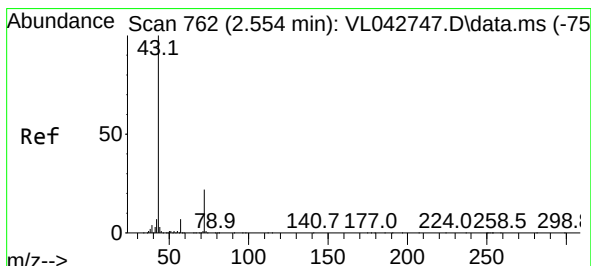
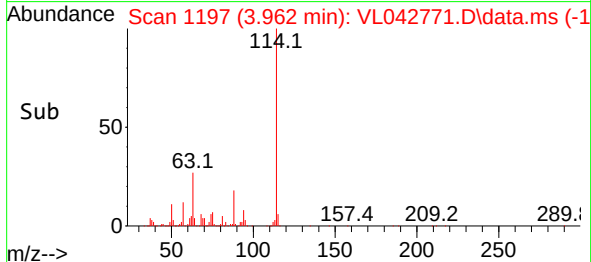
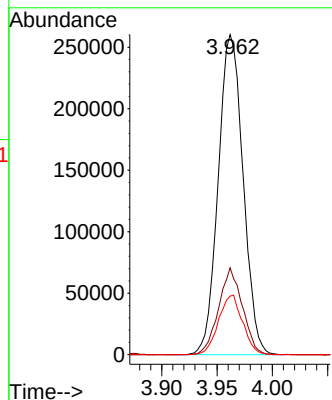
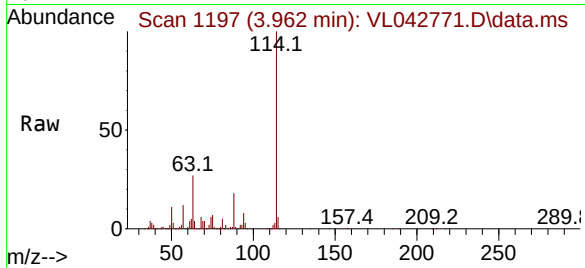




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

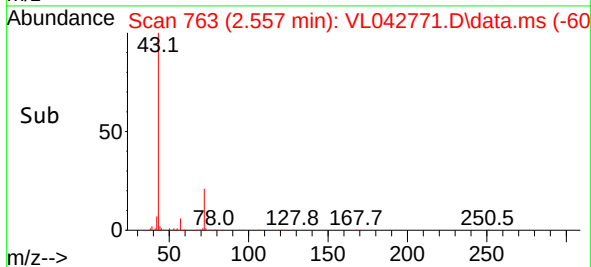
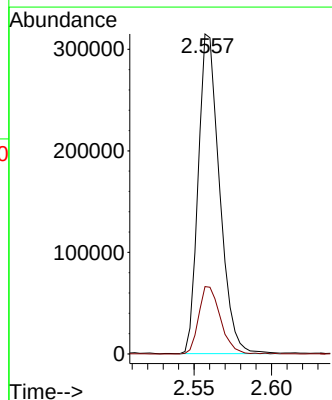
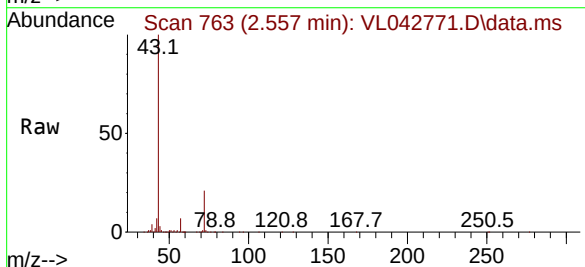
Instrument :
MSVOA_L
ClientSampleId :

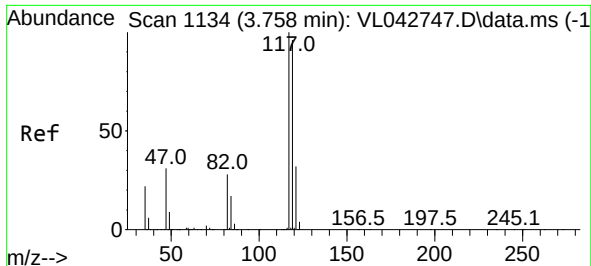
Tgt Ion:114 Resp: 406846
Ion Ratio Lower Upper
114 100
63 26.0 20.5 30.7
88 18.0 14.0 21.0



#34
2-Butanone
Concen: 10.443 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 43 Resp: 300947
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0

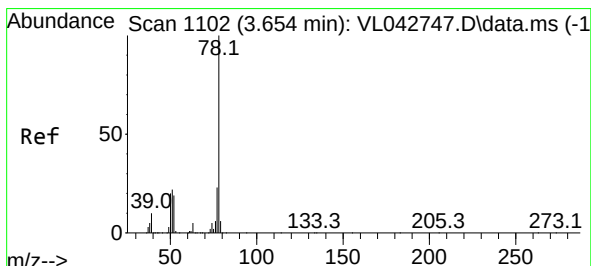
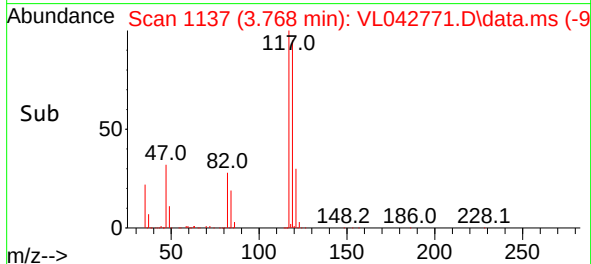
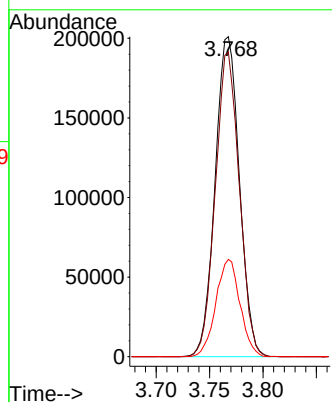
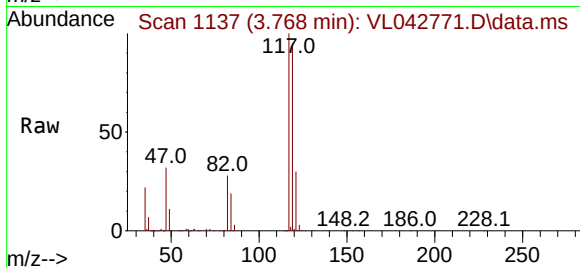




#35
Carbon Tetrachloride
Concen: 10.522 ppbv
RT: 3.768 min Scan# 1134
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

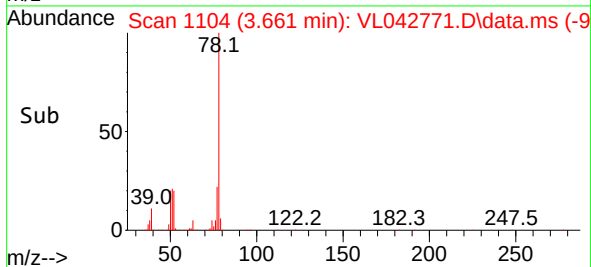
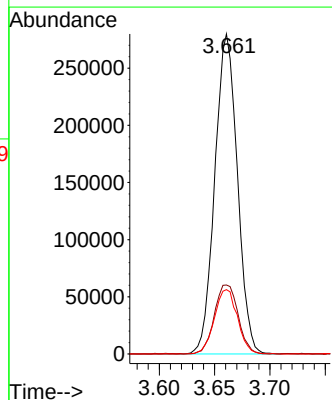
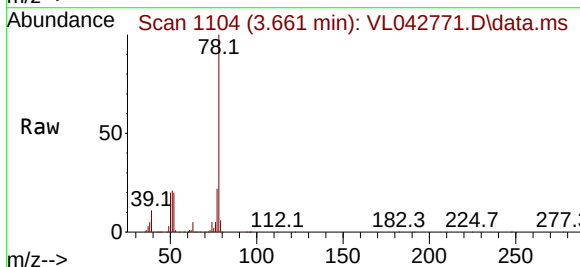
Instrument :
MSVOA_L
ClientSampleId :

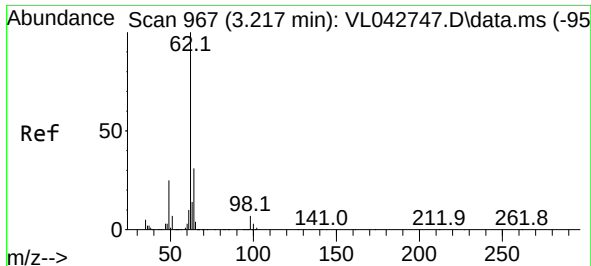
Tgt Ion:117 Resp: 317984
Ion Ratio Lower Upper
117 100
119 95.2 77.1 115.7
121 30.4 25.5 38.3



#36
Benzene
Concen: 10.288 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 78 Resp: 396691
Ion Ratio Lower Upper
78 100
77 21.6 18.5 27.7
50 20.1 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.345 ppbv

RT: 3.220 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

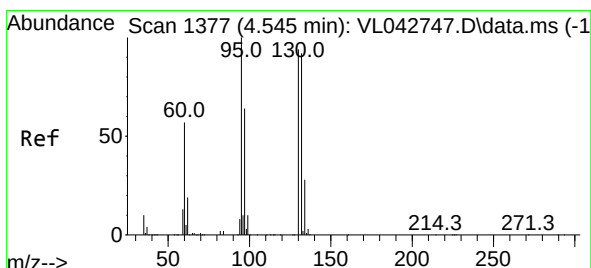
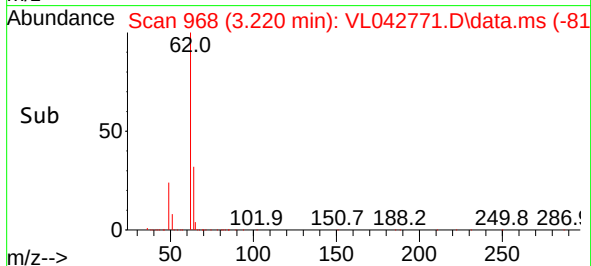
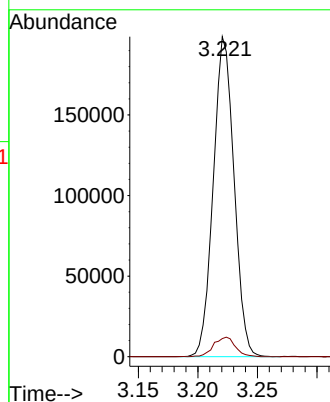
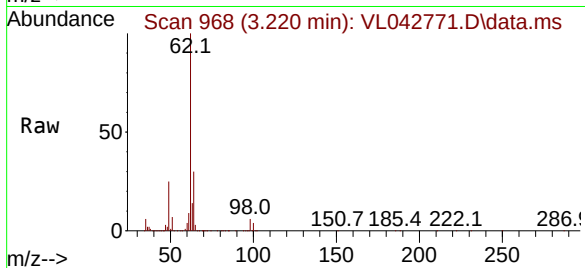
ClientSampleId :

Tgt Ion: 62 Resp: 240289

Ion Ratio Lower Upper

62 100

98 6.4 5.2 7.8



#38

Trichloroethene

Concen: 9.292 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.009 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Tgt Ion:130 Resp: 172128

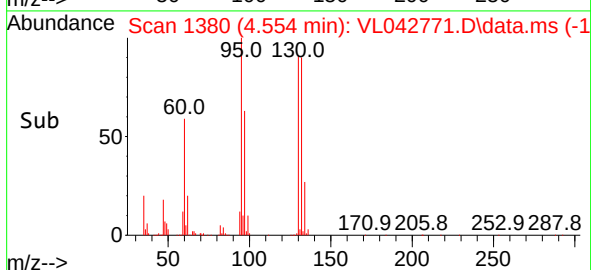
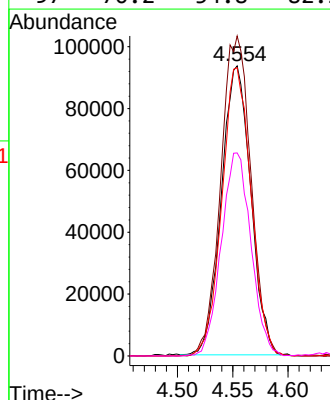
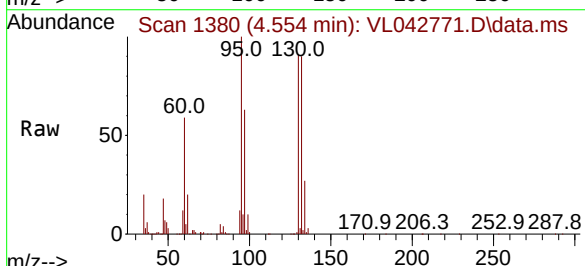
Ion Ratio Lower Upper

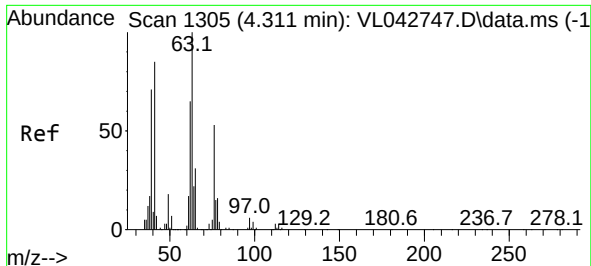
130 100

95 110.7 85.4 128.2

132 99.7 78.2 117.2

97 70.2 54.8 82.2

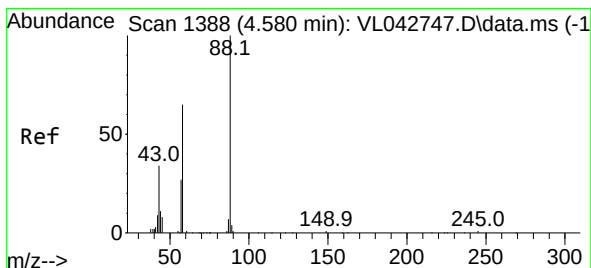
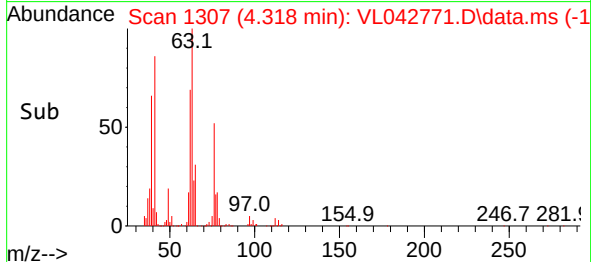
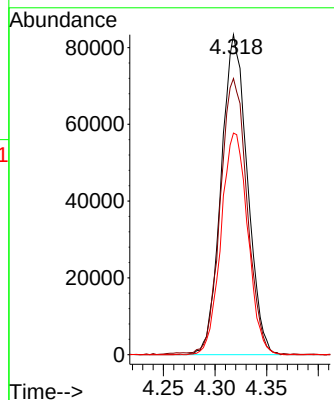
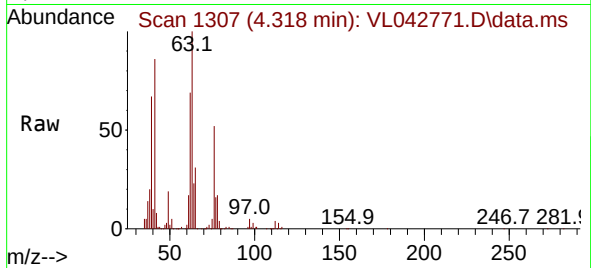




#39
 1,2-Dichloropropane
 Concen: 10.330 ppbv
 RT: 4.318 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

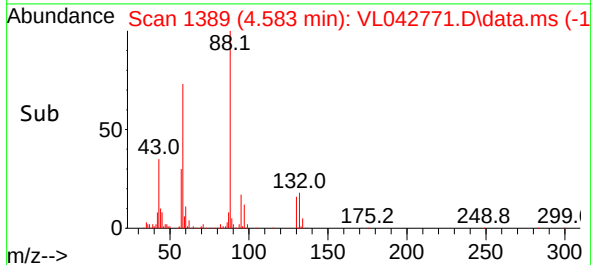
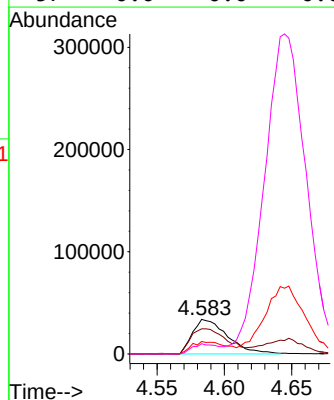
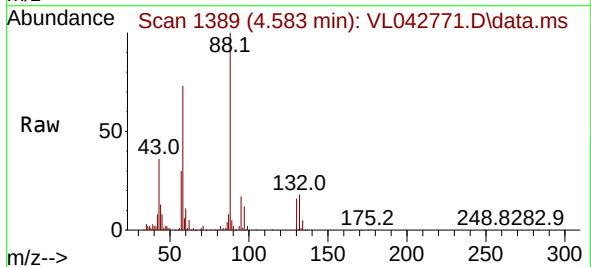
Instrument :
 MSVOA_L
 ClientSampleId :

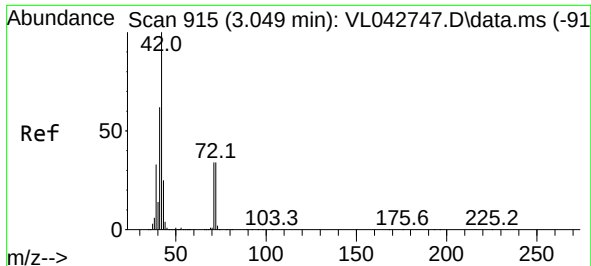
Tgt Ion: 63 Resp: 147018
 Ion Ratio Lower Upper
 63 100
 41 86.2 68.2 102.4
 62 69.1 52.0 78.0



#40
 1,4-Dioxane
 Concen: 9.238 ppbv
 RT: 4.583 min Scan# 1389
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

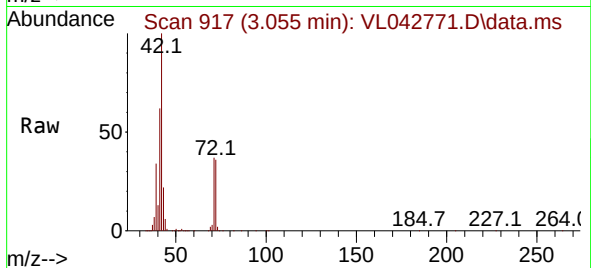
Tgt Ion: 88 Resp: 61288
 Ion Ratio Lower Upper
 88 100
 58 73.4 58.8 88.2
 43 32.8 28.9 43.3
 57 0.0 0.0 0.0



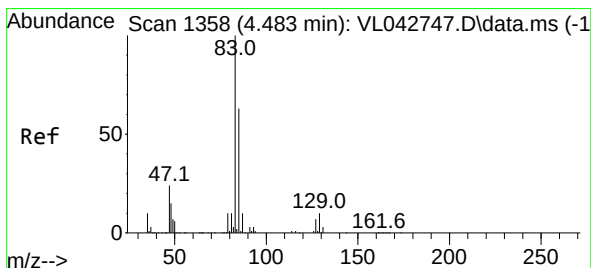
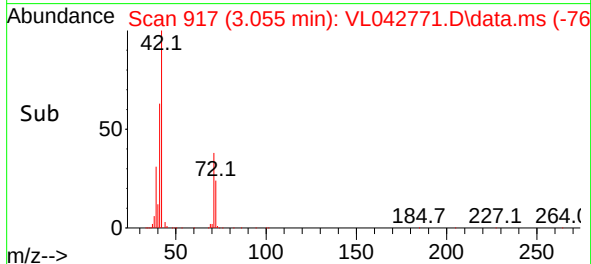
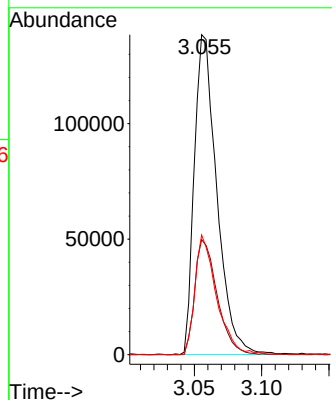


#41
Tetrahydrofuran
Concen: 10.965 ppbv
RT: 3.055 min Scan# 915
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :

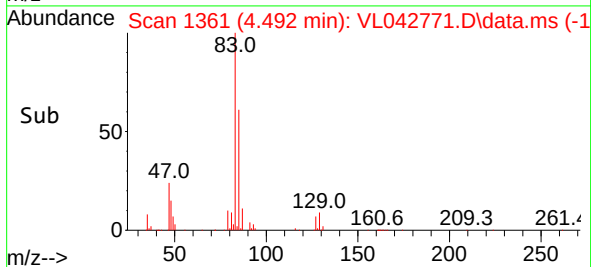
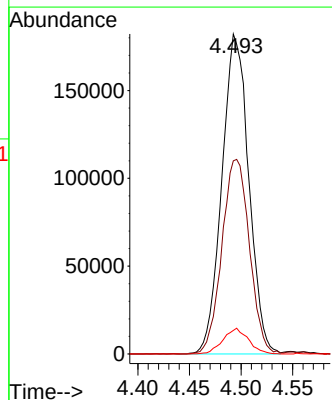
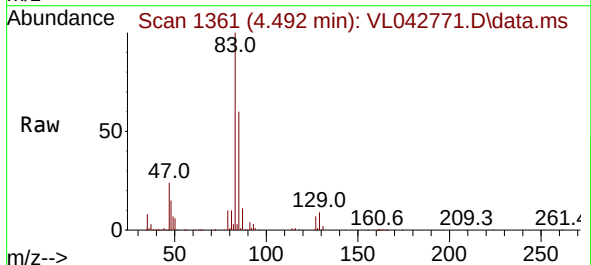


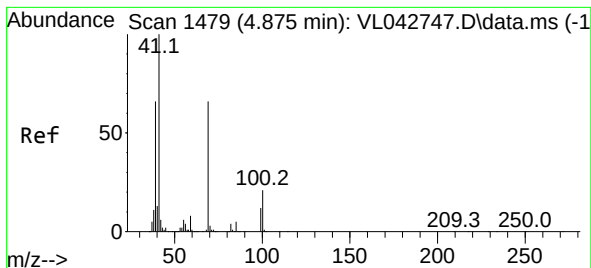
Tgt Ion: 42 Resp: 160801
Ion Ratio Lower Upper
42 100
72 36.0 30.9 46.3
71 35.9 28.6 43.0



#42
Bromodichloromethane
Concen: 10.910 ppbv
RT: 4.492 min Scan# 1361
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 83 Resp: 330019
Ion Ratio Lower Upper
83 100
85 60.3 50.2 75.4
127 7.4 5.4 8.2





#43

Methyl Methacrylate

Concen: 10.940 ppbv

RT: 4.884 min Scan# 14

Delta R.T. 0.009 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

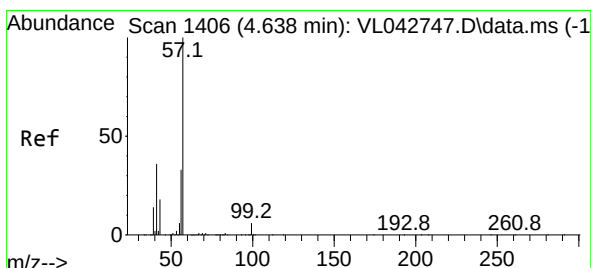
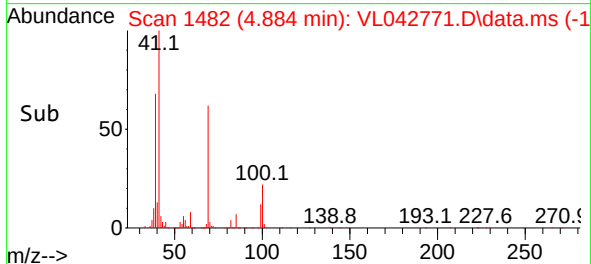
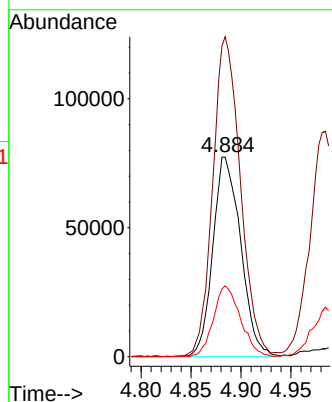
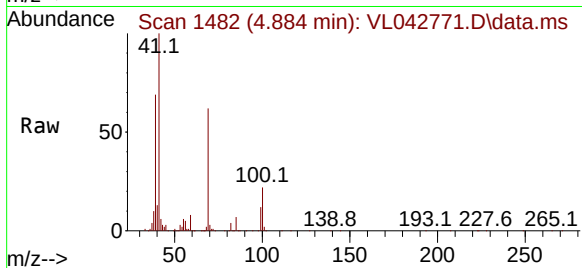
Tgt Ion: 69 Resp: 149931

Ion Ratio Lower Upper

69 100

41 159.0 125.7 188.5

100 34.5 28.6 42.8



#44

2,2,4-Trimethylpentane

Concen: 10.752 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

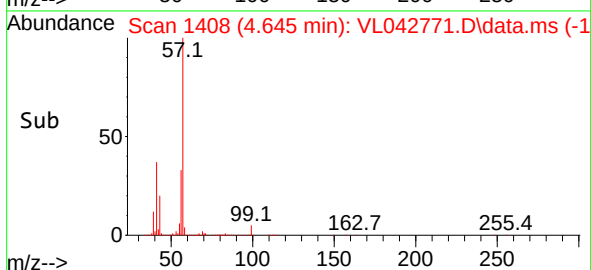
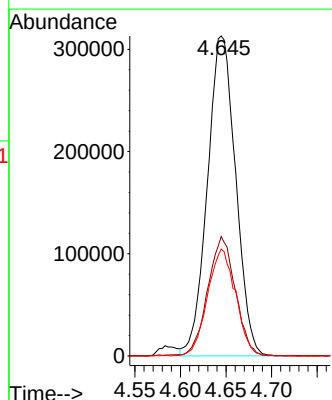
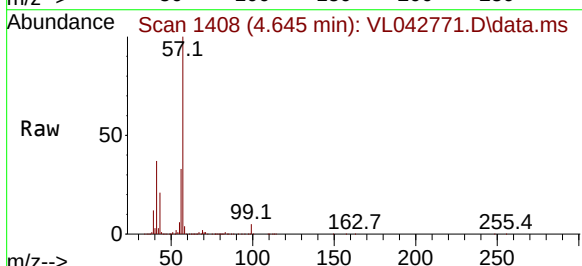
Tgt Ion: 57 Resp: 675738

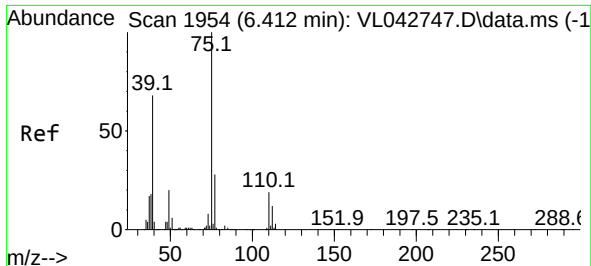
Ion Ratio Lower Upper

57 100

41 36.8 28.3 42.5

56 33.3 25.8 38.6

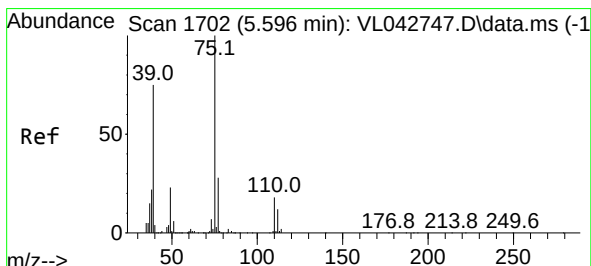
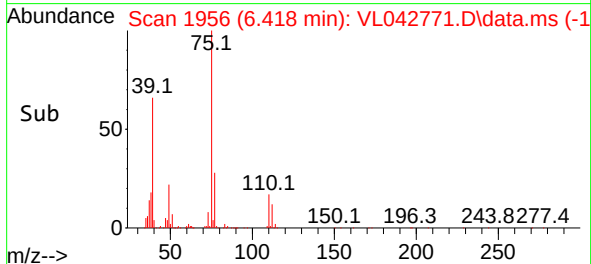
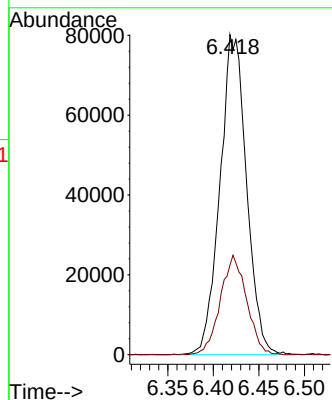
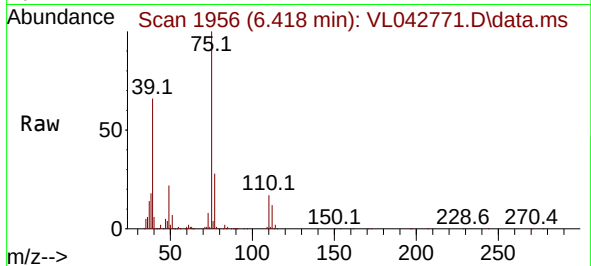




#45
 t-1,3-Dichloropropene
 Concen: 10.568 ppbv
 RT: 6.418 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

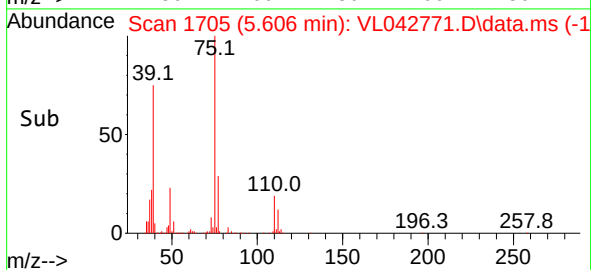
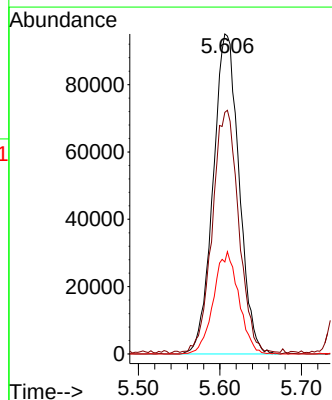
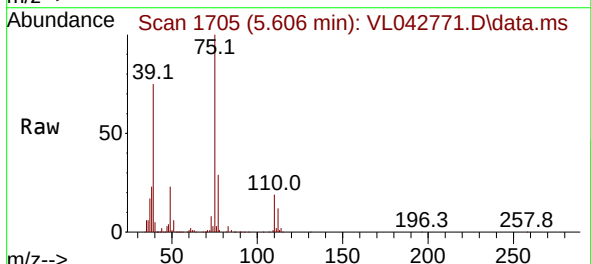
Instrument :
 MSVOA_L
 ClientSampleId :

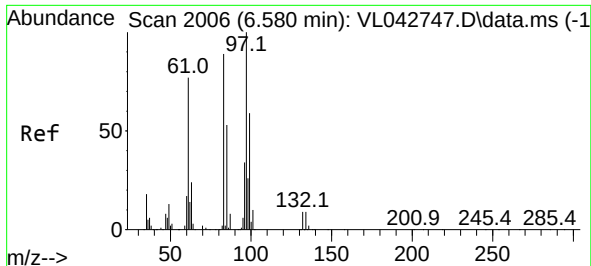
Tgt Ion: 75 Resp: 162427
 Ion Ratio Lower Upper
 75 100
 77 28.0 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.797 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.009 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 75 Resp: 210284
 Ion Ratio Lower Upper
 75 100
 39 75.0 60.2 90.2
 77 28.7 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 10.296 ppbv

RT: 6.587 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 156209

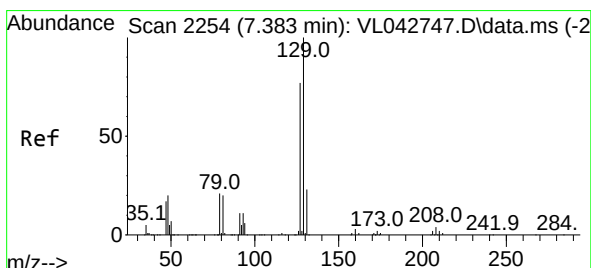
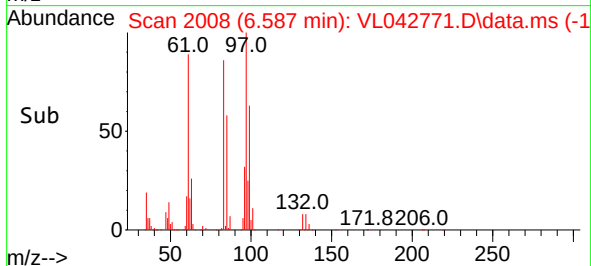
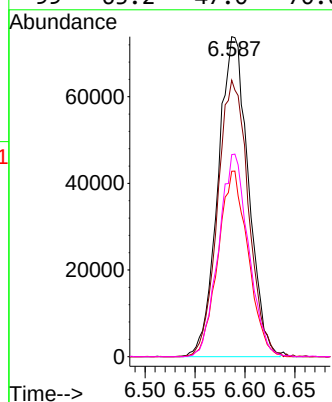
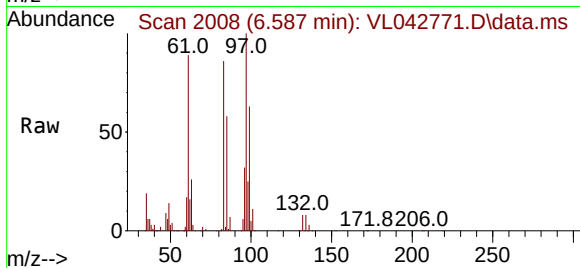
Ion Ratio Lower Upper

97 100

83 86.2 71.1 106.7

85 57.9 43.0 64.4

99 63.2 47.0 70.6



#48

Dibromochloromethane

Concen: 10.940 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL042771.D

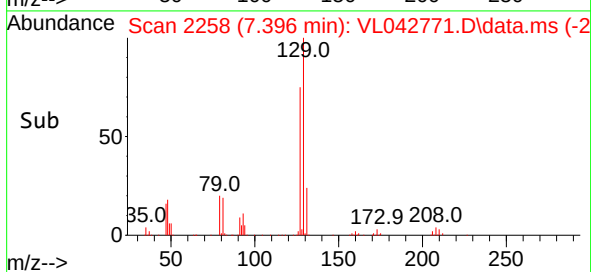
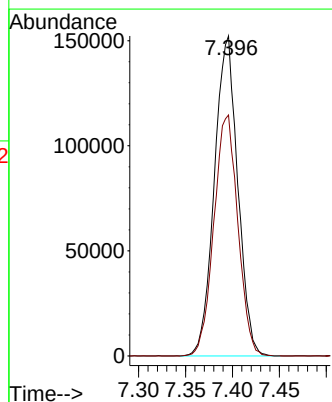
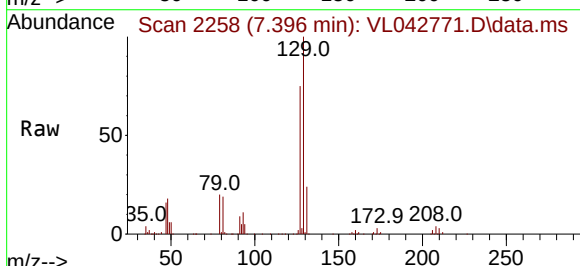
Acq: 24 Jul 2025 19:08

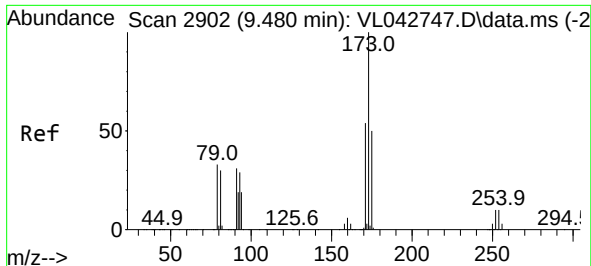
Tgt Ion: 129 Resp: 263497

Ion Ratio Lower Upper

129 100

127 77.2 38.7 116.1





#49

Bromoform

Concen: 11.023 ppbv

RT: 9.487 min Scan# 2902

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

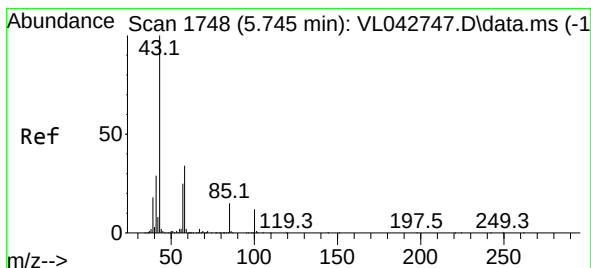
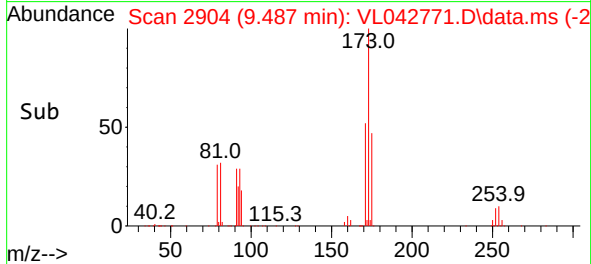
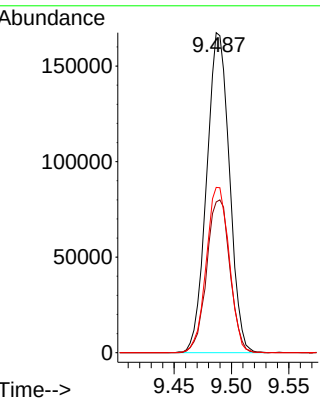
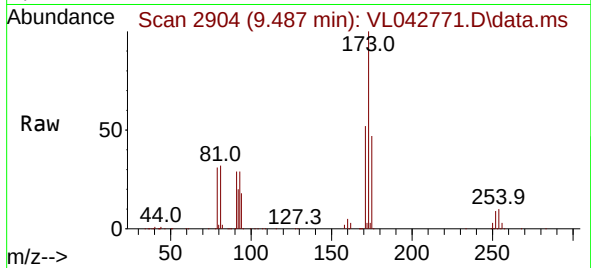
Tgt Ion:173 Resp: 231495

Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

171 52.0 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 11.025 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.009 min

Lab File: VL042771.D

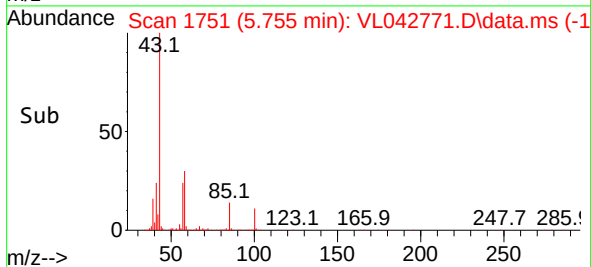
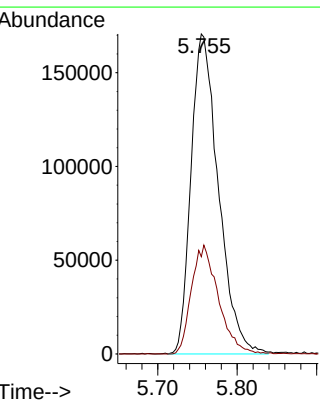
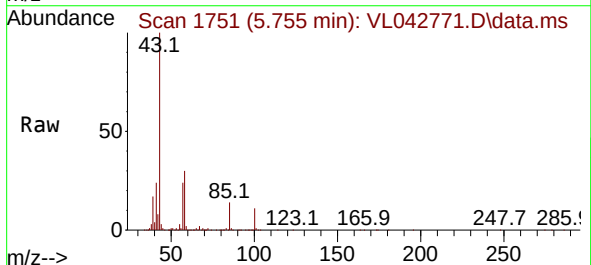
Acq: 24 Jul 2025 19:08

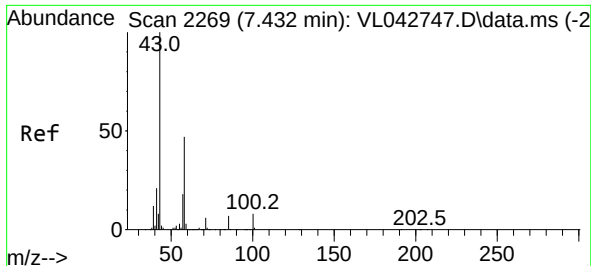
Tgt Ion: 43 Resp: 409273

Ion Ratio Lower Upper

43 100

58 33.6 27.8 41.8

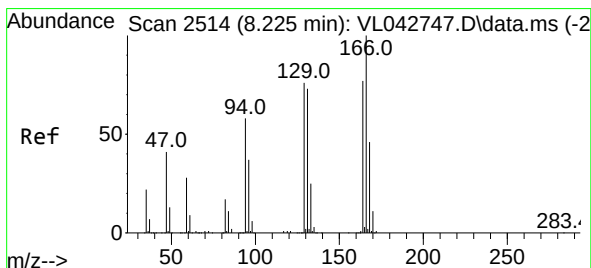
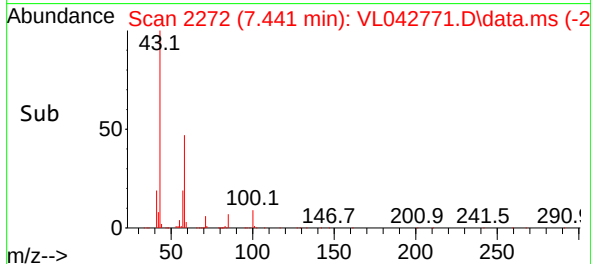
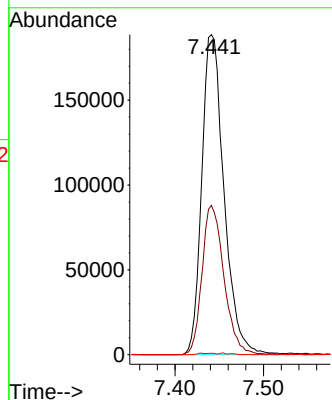
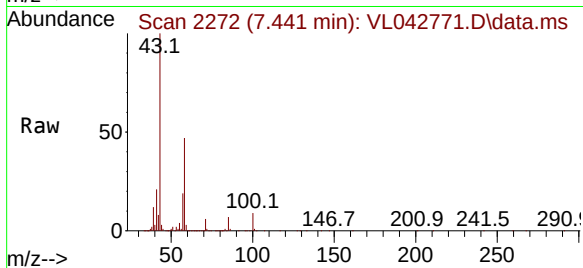




#51
2-Hexanone
Concen: 11.733 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

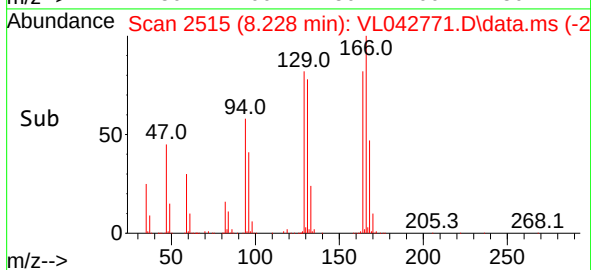
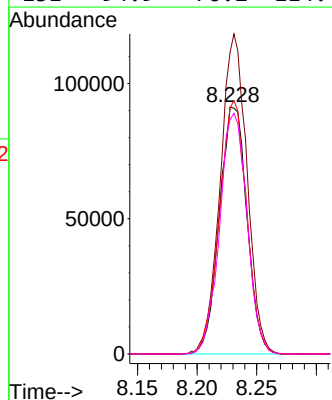
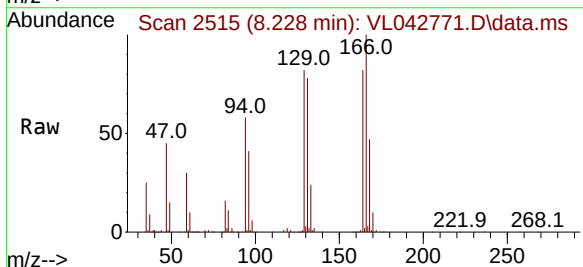
Instrument :
MSVOA_L
ClientSampleId :

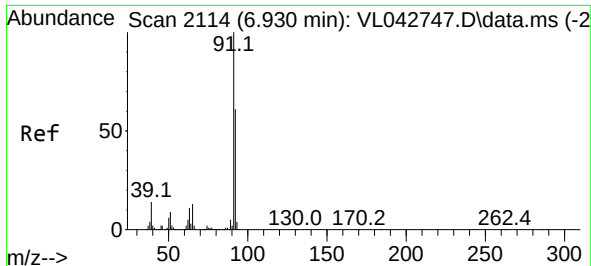
Tgt Ion: 43 Resp: 329154
Ion Ratio Lower Upper
43 100
58 46.2 38.0 57.0
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.208 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 164 Resp: 147171
Ion Ratio Lower Upper
164 100
166 122.2 104.0 156.0
129 99.8 79.2 118.8
131 94.9 76.2 114.4

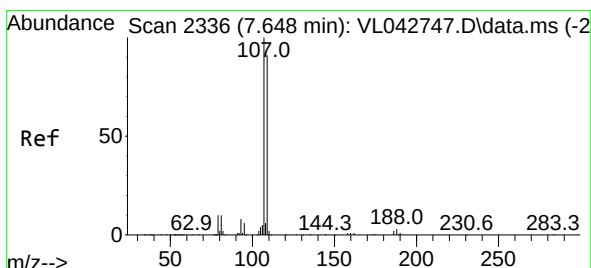
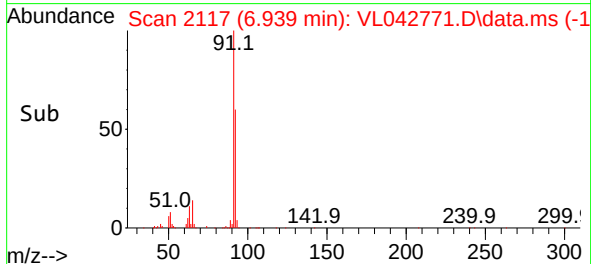
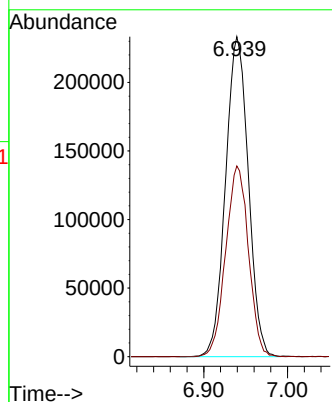
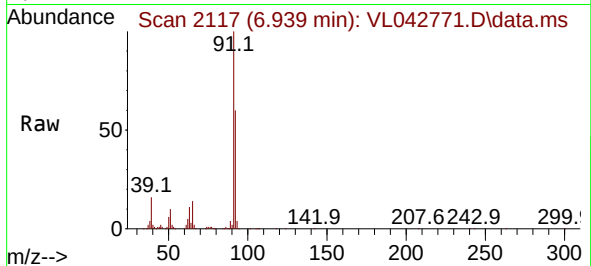




#53
Toluene
Concen: 10.645 ppbv
RT: 6.939 min Scan# 2114
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

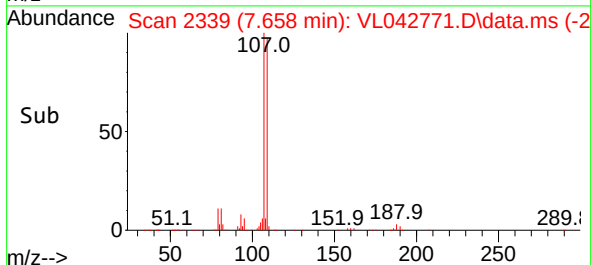
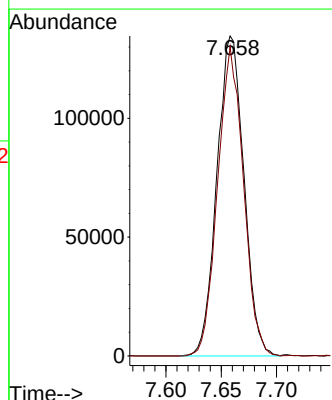
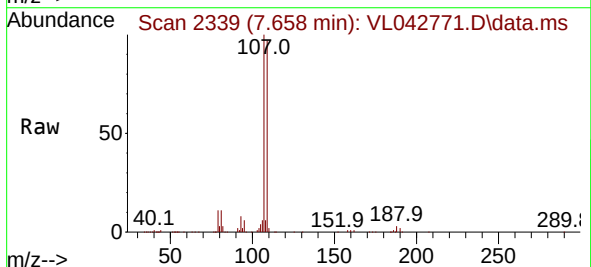
Instrument :
MSVOA_L
ClientSampleId :

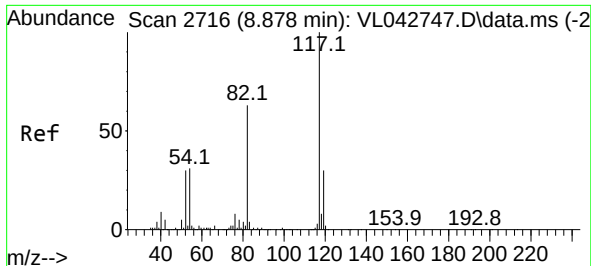
Tgt Ion: 91 Resp: 440763
Ion Ratio Lower Upper
91 100
92 59.6 48.0 72.0



#54
1,2-Dibromoethane
Concen: 10.645 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 107 Resp: 228193
Ion Ratio Lower Upper
107 100
109 96.6 72.7 109.1

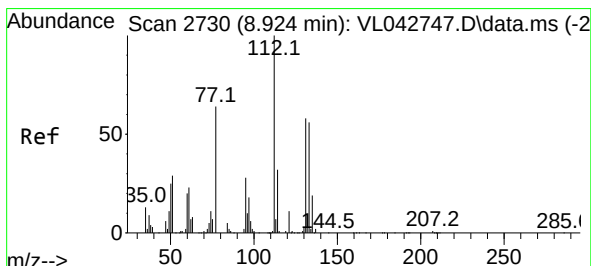
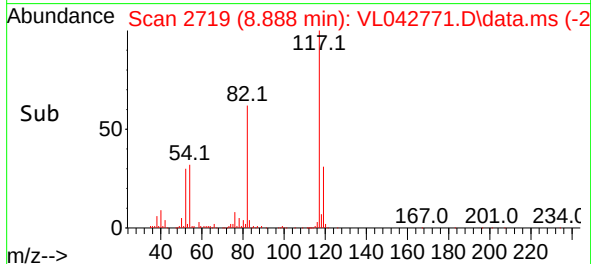
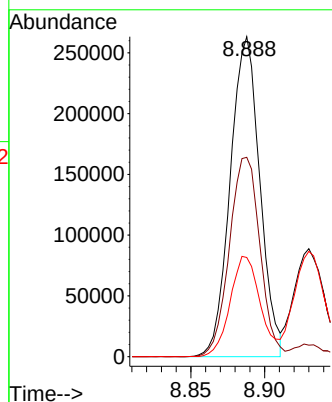
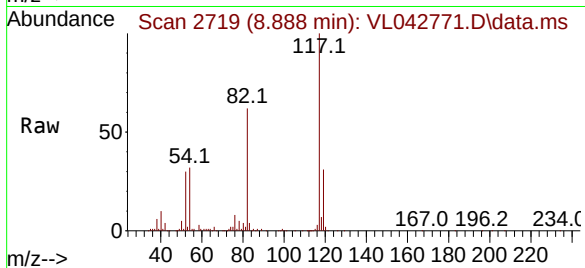




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

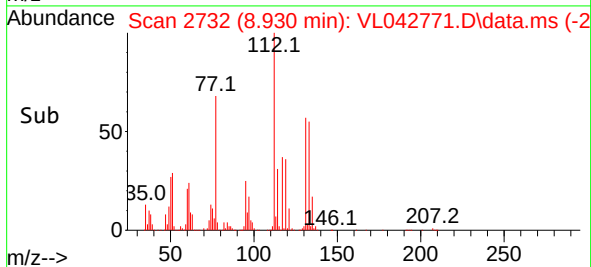
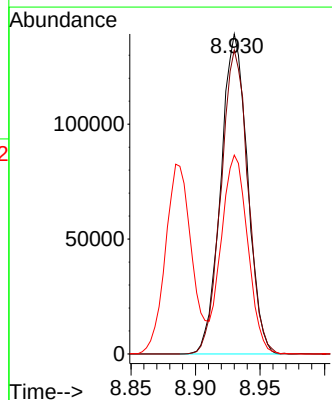
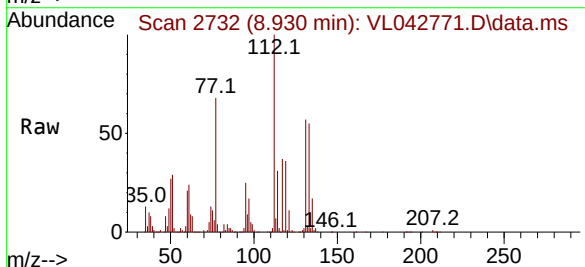
Instrument :
MSVOA_L
ClientSampleId :

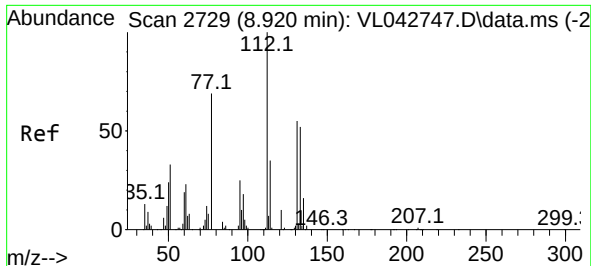
Tgt Ion:117 Resp: 367843
Ion Ratio Lower Upper
117 100
82 68.3 53.3 79.9
119 31.6 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.464 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion:131 Resp: 200130
Ion Ratio Lower Upper
131 100
133 95.9 76.8 115.2
119 62.5 49.7 74.5

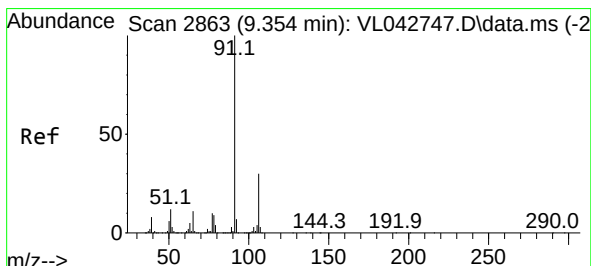
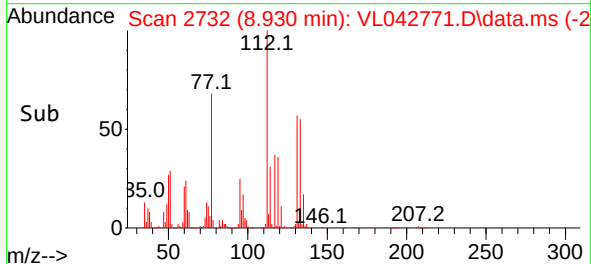
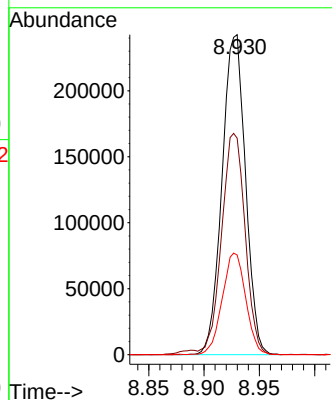
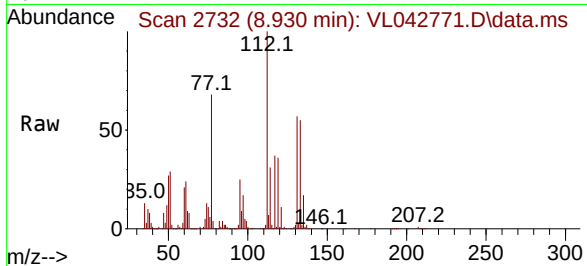




#57
Chlorobenzene
Concen: 10.049 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

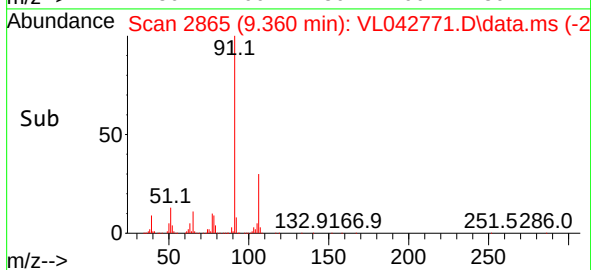
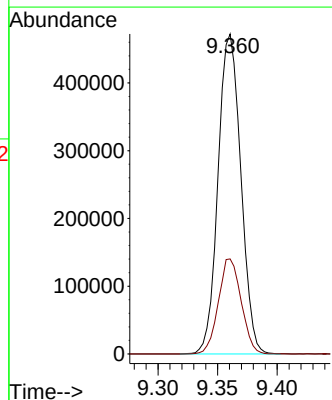
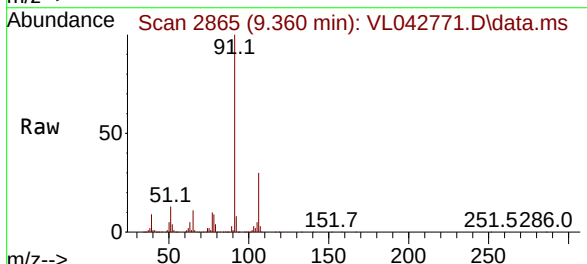
Instrument :
MSVOA_L
ClientSampleId :

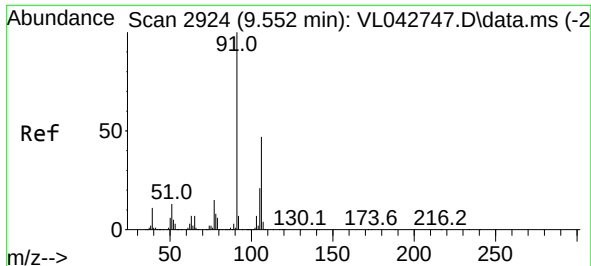
Tgt Ion:112 Resp: 357756
Ion Ratio Lower Upper
112 100
77 67.6 56.4 84.6
114 31.2 31.2 38.2#



#58
Ethyl Benzene
Concen: 10.793 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion: 91 Resp: 626960
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6





#59

m/p-Xylene

Concen: 9.776 ppbv

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

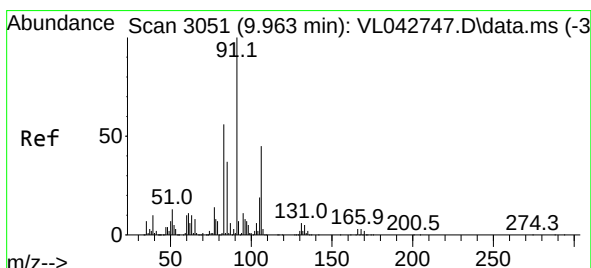
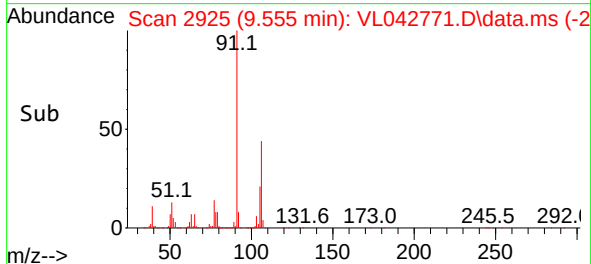
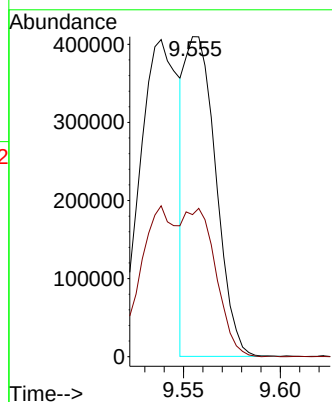
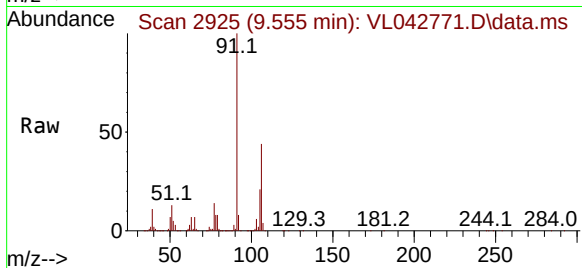
ClientSampleId :

Tgt Ion: 91 Resp: 453825

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 10.894 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL042771.D

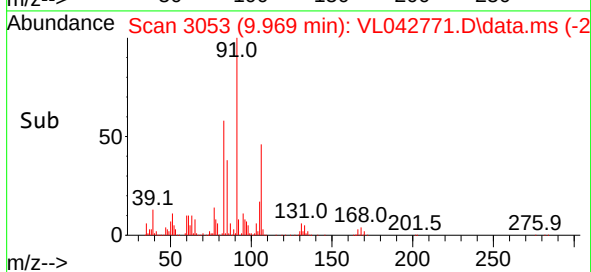
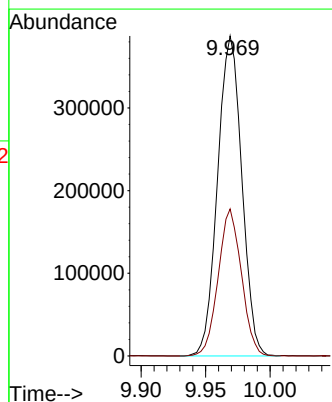
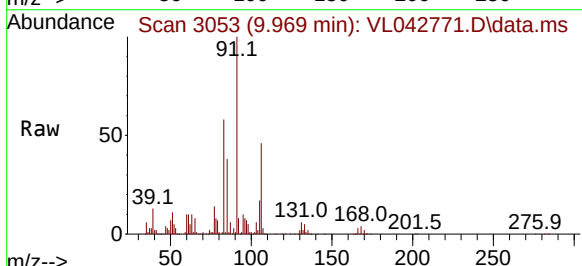
Acq: 24 Jul 2025 19:08

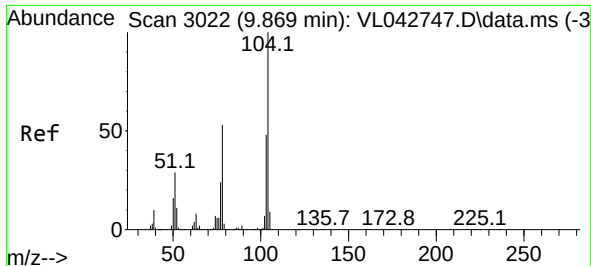
Tgt Ion: 91 Resp: 505362

Ion Ratio Lower Upper

91 100

106 44.0 22.0 66.0

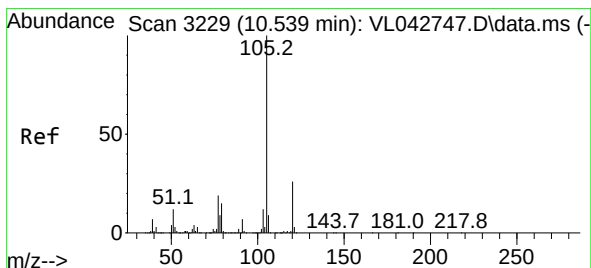
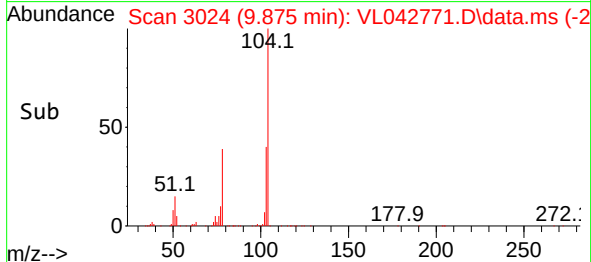
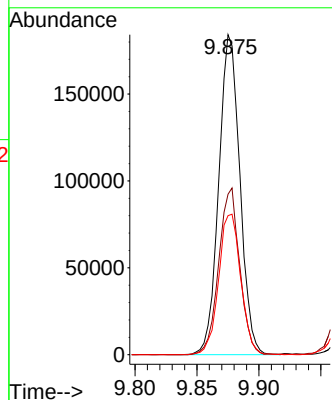
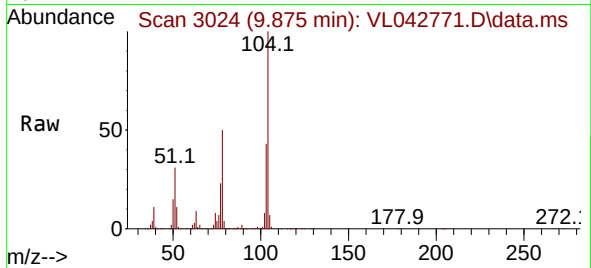




#61
Styrene
Concen: 11.224 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

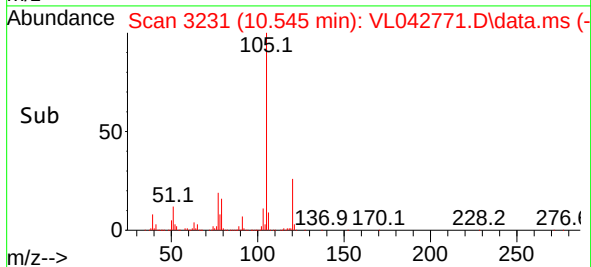
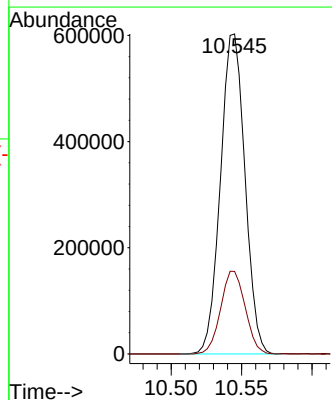
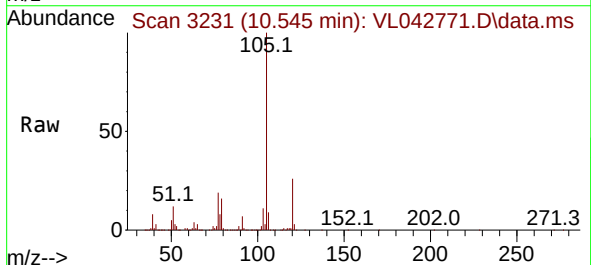
Instrument :
MSVOA_L
ClientSampleId :

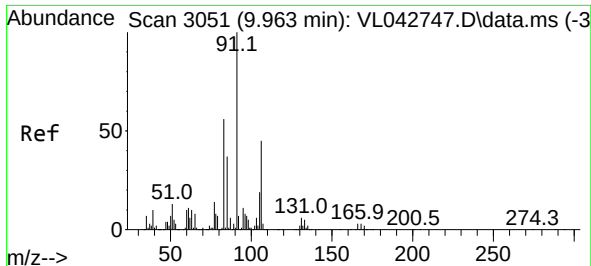
Tgt Ion:104 Resp: 219025
Ion Ratio Lower Upper
104 100
78 51.8 41.5 62.3
103 46.1 37.5 56.3



#62
Isopropylbenzene
Concen: 10.675 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion:105 Resp: 730483
Ion Ratio Lower Upper
105 100
120 25.9 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.764 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

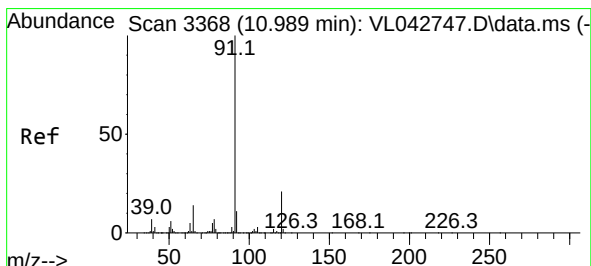
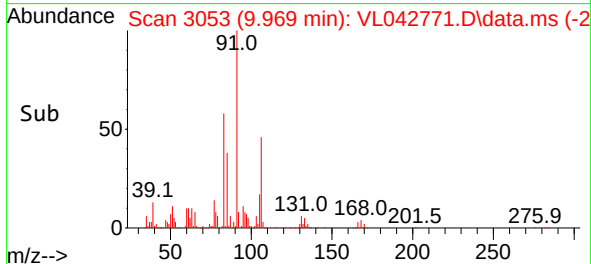
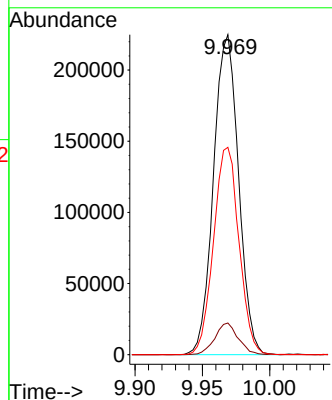
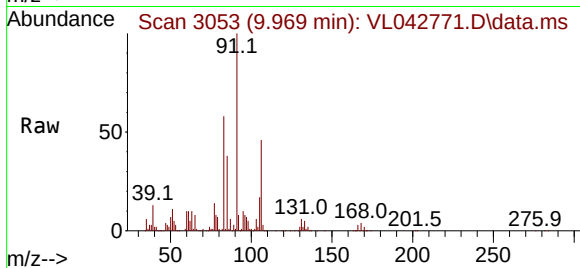
Tgt Ion: 83 Resp: 290798

Ion Ratio Lower Upper

83 100

131 9.3 5.0 15.0

85 65.8 32.6 97.7



#64

n-propylbenzene

Concen: 10.811 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL042771.D

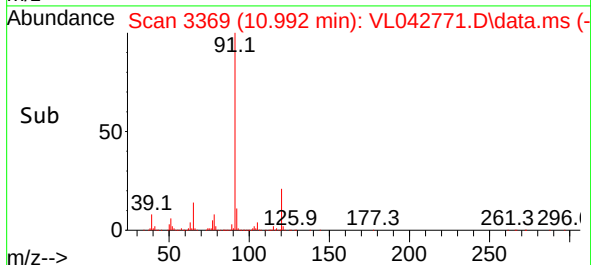
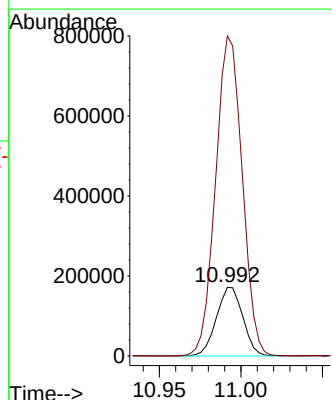
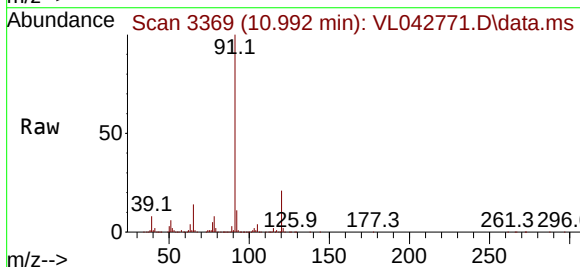
Acq: 24 Jul 2025 19:08

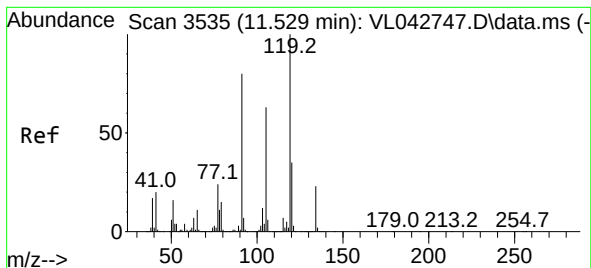
Tgt Ion:120 Resp: 192859

Ion Ratio Lower Upper

120 100

91 471.5 372.7 559.1





#65

tert-Butylbenzene

Concen: 10.636 ppbv

RT: 11.535 min Scan# 3535

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

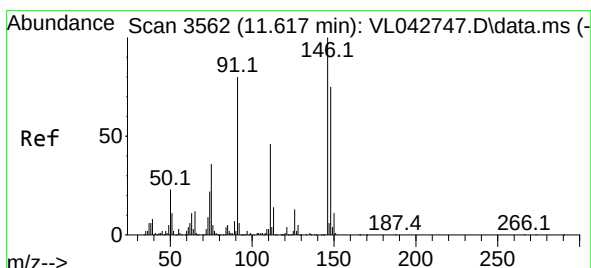
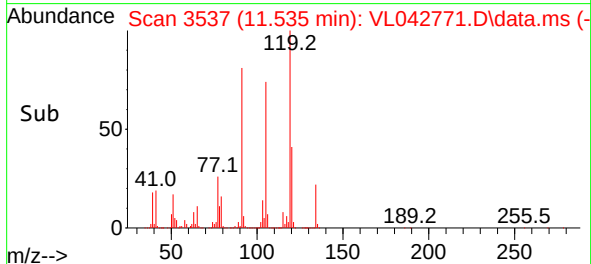
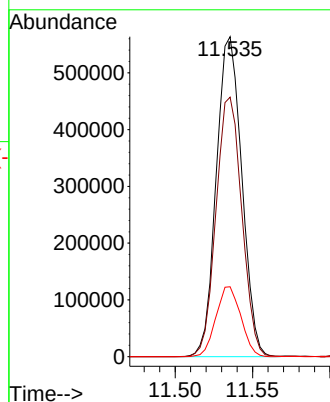
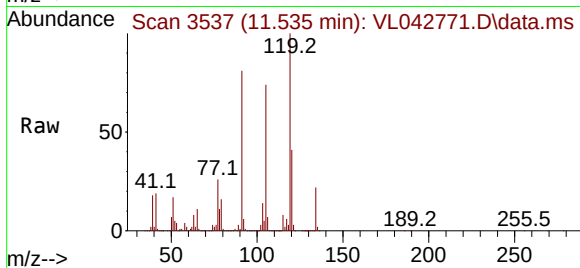
Tgt Ion:119 Resp: 646470

Ion Ratio Lower Upper

119 100

91 82.0 64.0 96.0

134 21.4 17.3 25.9



#66

Benzyl Chloride

Concen: 11.261 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

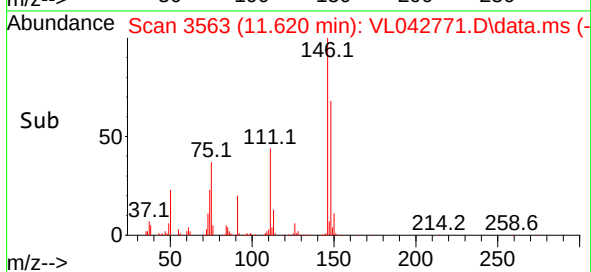
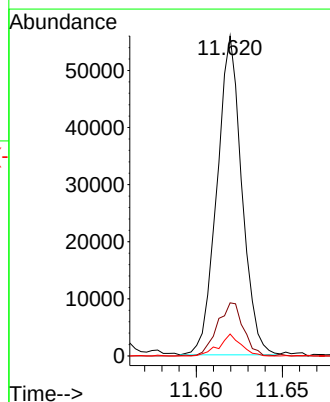
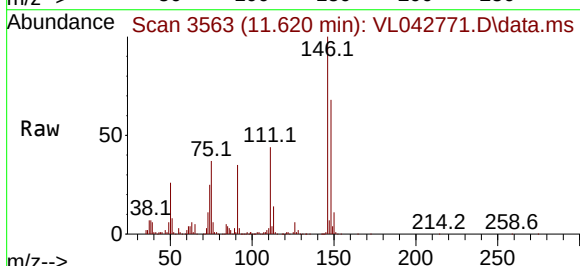
Tgt Ion: 91 Resp: 56188

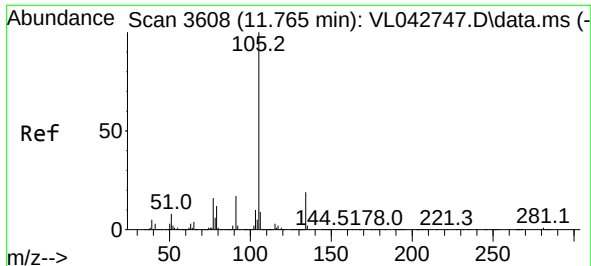
Ion Ratio Lower Upper

91 100

126 17.6 14.4 21.6

128 6.1 5.2 7.8

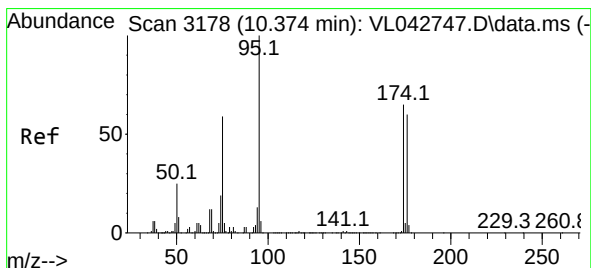
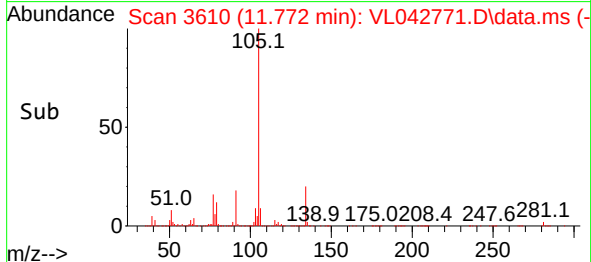
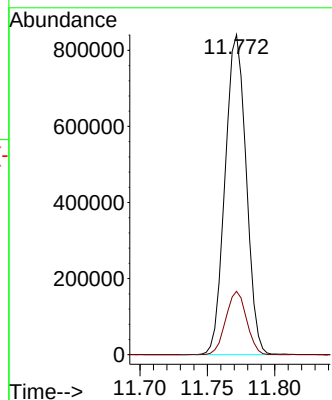
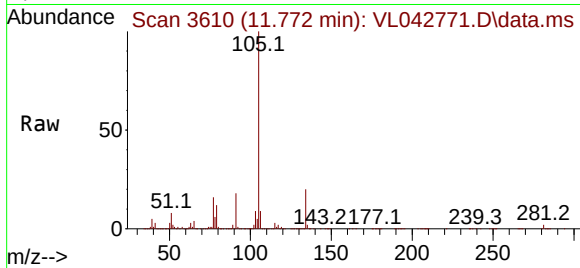




#67
 sec-Butylbenzene
 Concen: 10.588 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

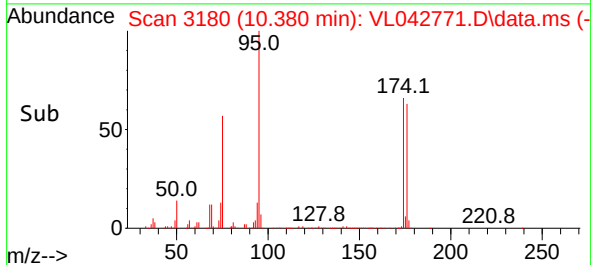
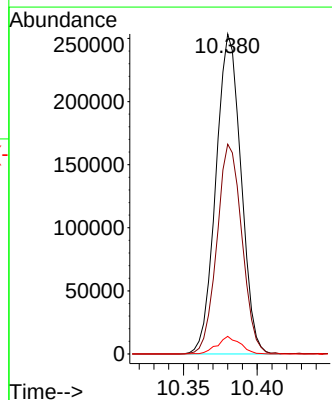
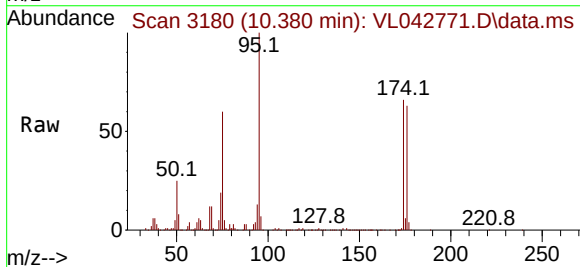
Instrument :
 MSVOA_L
 ClientSampleId :

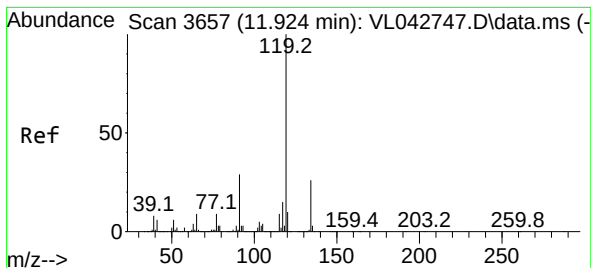
Tgt Ion:105 Resp: 915333
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.318 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.006 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 95 Resp: 300579
 Ion Ratio Lower Upper
 95 100
 174 65.5 53.8 80.6
 175 5.0 4.0 6.0

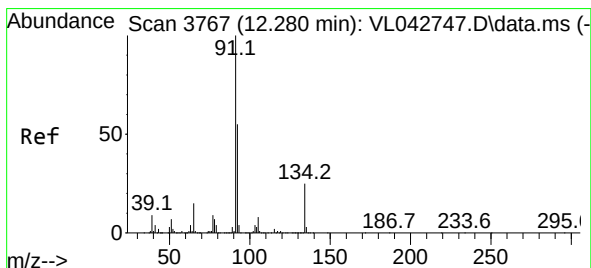
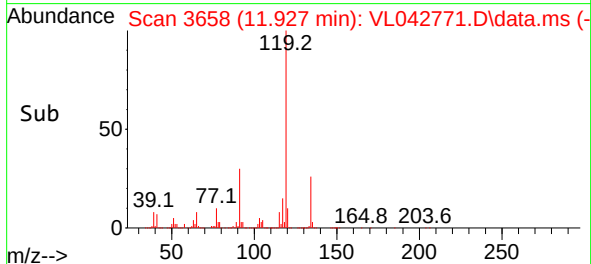
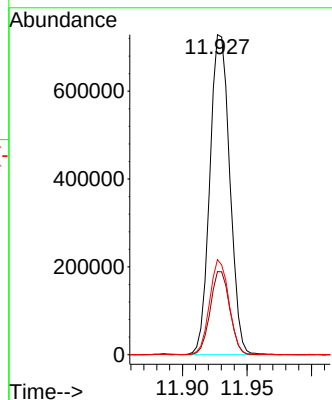
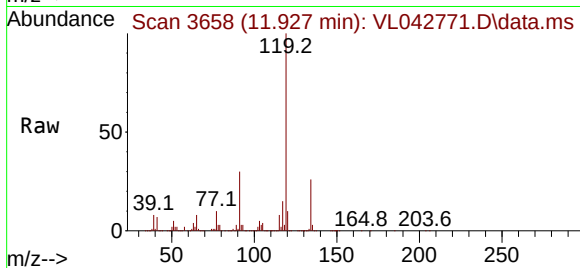




#69
 p-Isopropyltoluene
 Concen: 11.128 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

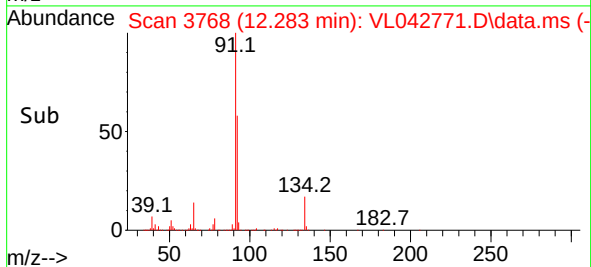
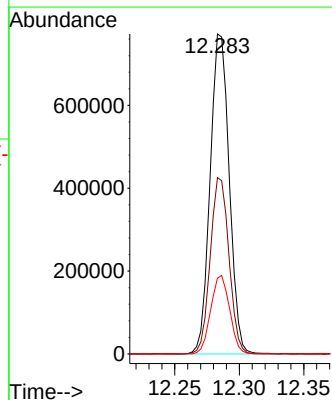
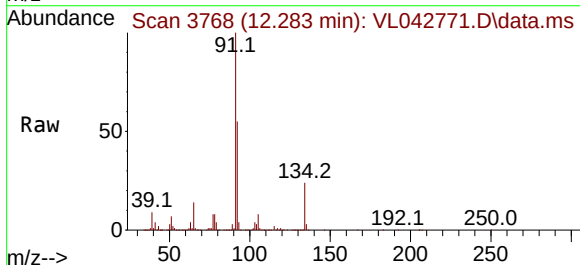
Instrument :
 MSVOA_L
 ClientSampleId :

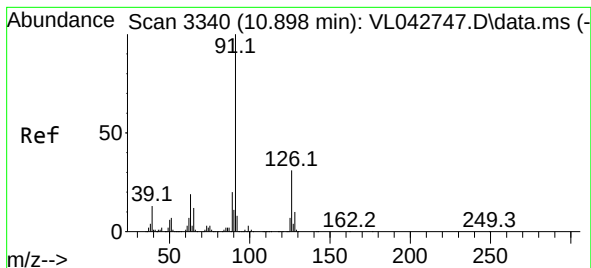
Tgt Ion:119 Resp: 784401
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 31.0
 91 28.9 23.2 34.8



#70
 n-Butylbenzene
 Concen: 11.675 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. 0.003 min
 Lab File: VL042771.D
 Acq: 24 Jul 2025 19:08

Tgt Ion: 91 Resp: 794926
 Ion Ratio Lower Upper
 91 100
 92 54.1 43.4 65.2
 134 24.3 19.6 29.4

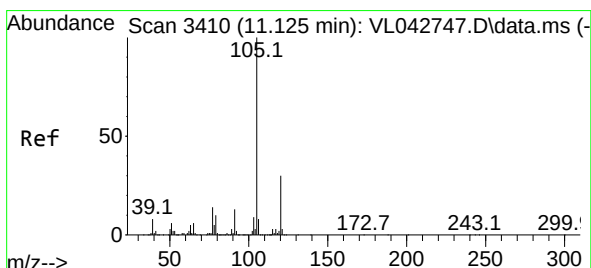
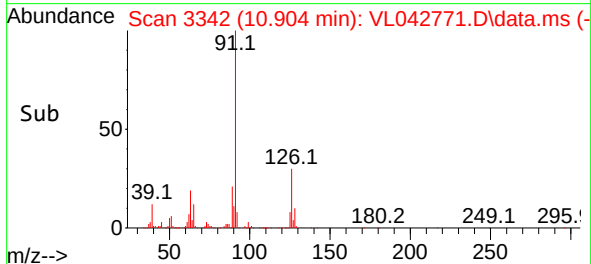
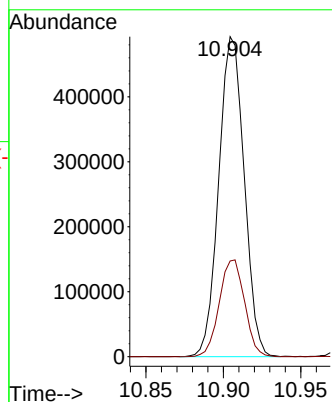
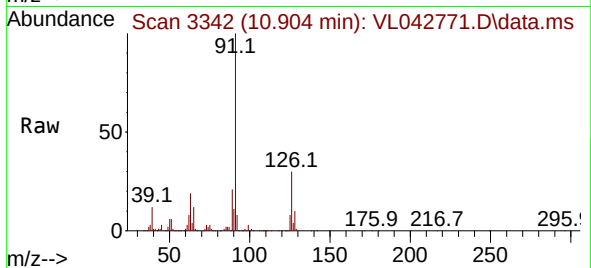




#71
2-Chlorotoluene
Concen: 10.728 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

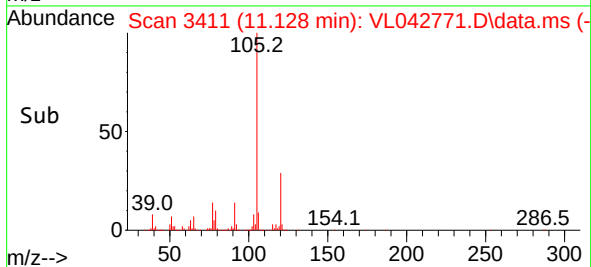
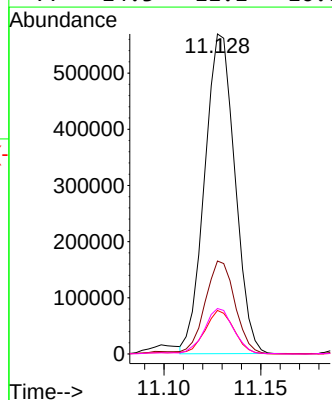
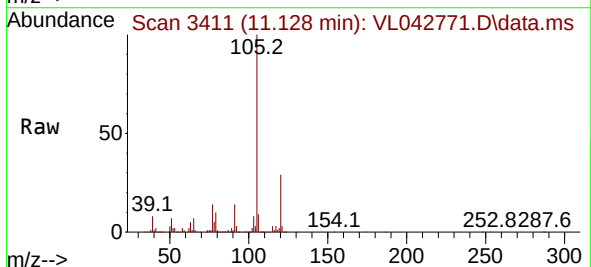
Instrument :
MSVOA_1
ClientSampleId :

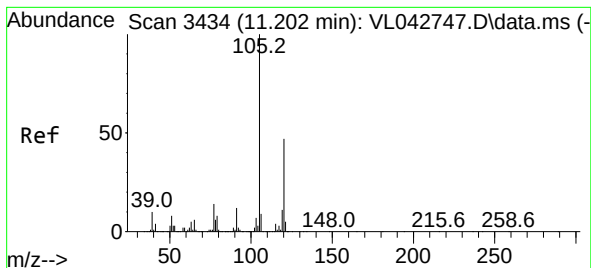
Tgt Ion: 91 Resp: 562887
Ion Ratio Lower Upper
91 100
126 30.0 12.0 48.2



#72
4-Ethyltoluene
Concen: 11.168 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion:105 Resp: 618732
Ion Ratio Lower Upper
105 100
120 29.4 24.4 36.6
91 13.5 10.6 15.8
77 14.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.229 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

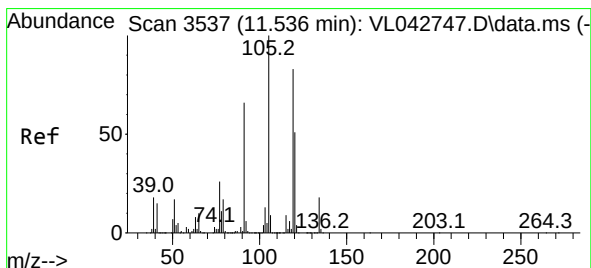
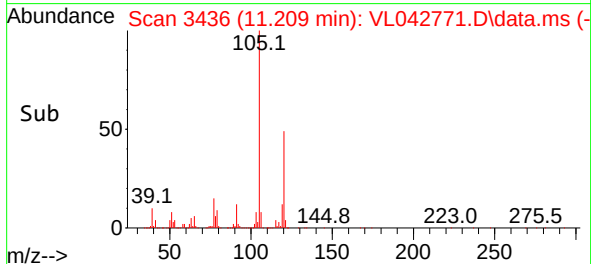
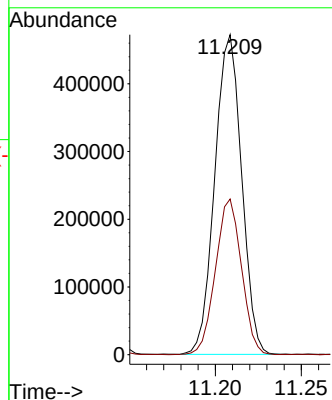
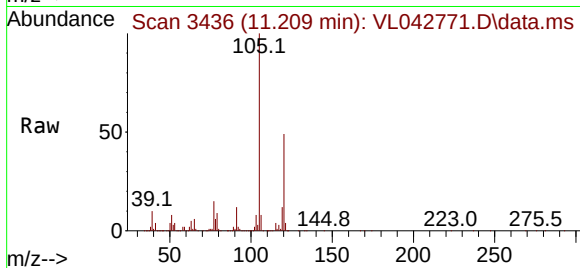
ClientSampleId :

Tgt Ion:105 Resp: 512194

Ion Ratio Lower Upper

105 100

120 48.7 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 11.412 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Tgt Ion:105 Resp: 567894

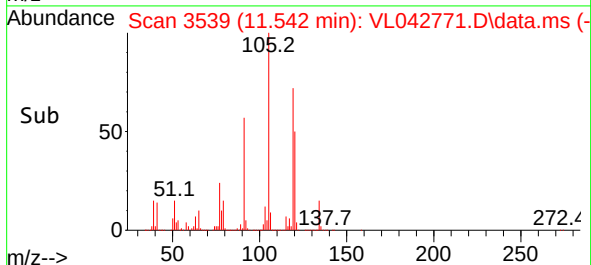
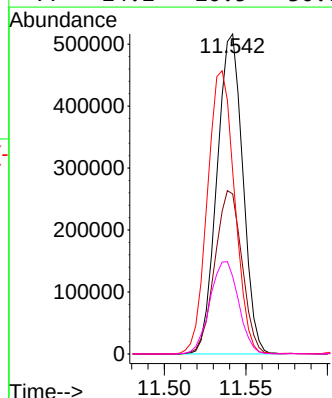
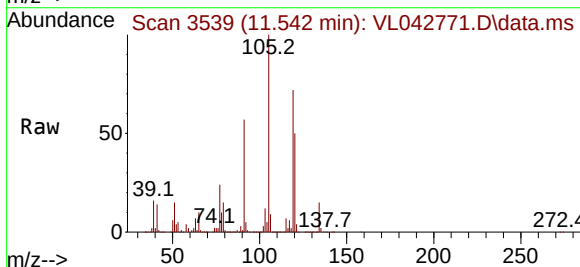
Ion Ratio Lower Upper

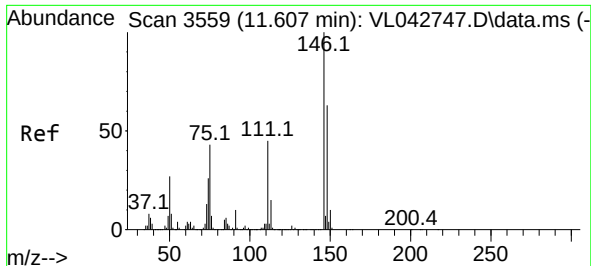
105 100

120 50.0 40.8 61.2

91 57.0 53.0 79.4

77 24.2 20.5 30.7

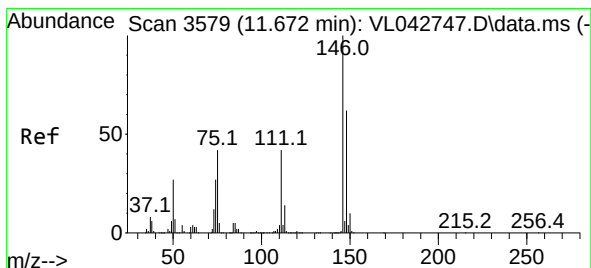
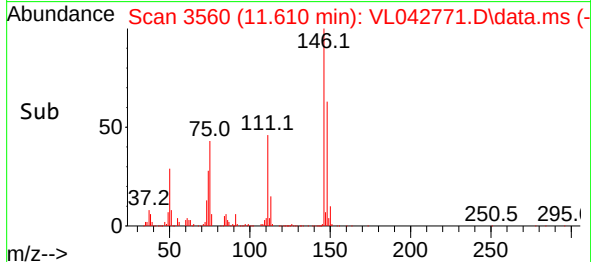
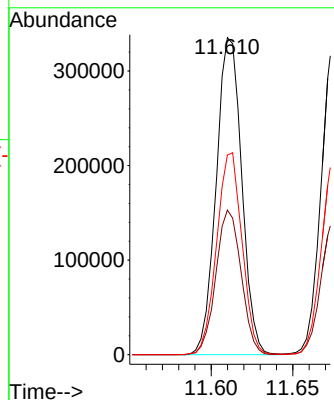
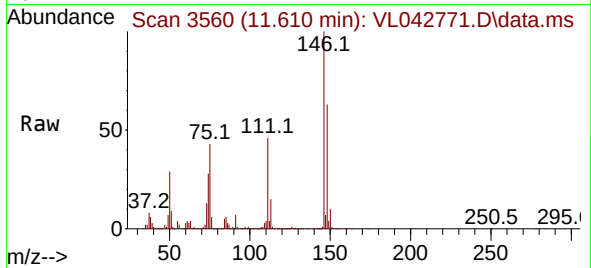




#75
1,3-Dichlorobenzene
Concen: 10.457 ppbv
RT: 11.610 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

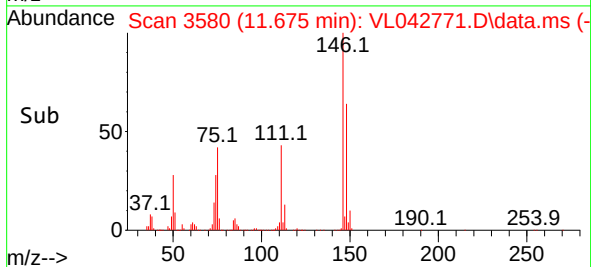
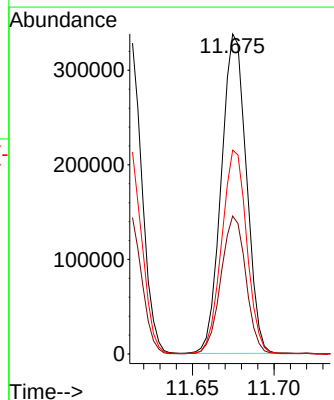
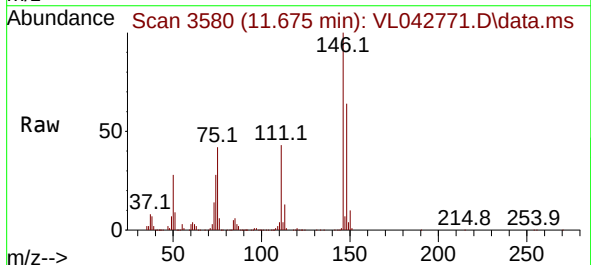
Instrument :
MSVOA_1
ClientSampleId :

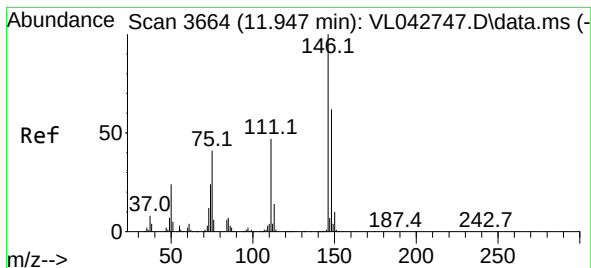
Tgt Ion:146 Resp: 364805
Ion Ratio Lower Upper
146 100
111 45.2 22.7 68.0
148 63.4 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 10.567 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042771.D
Acq: 24 Jul 2025 19:08

Tgt Ion:146 Resp: 360751
Ion Ratio Lower Upper
146 100
111 43.2 21.4 64.2
148 64.3 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 10.187 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

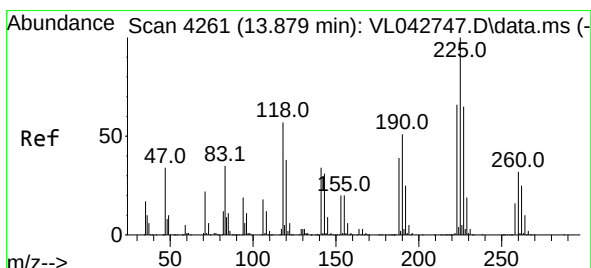
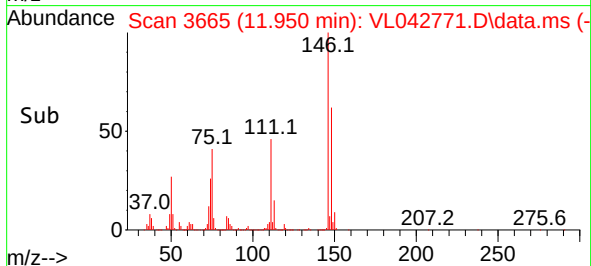
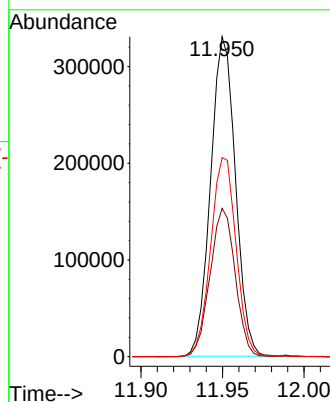
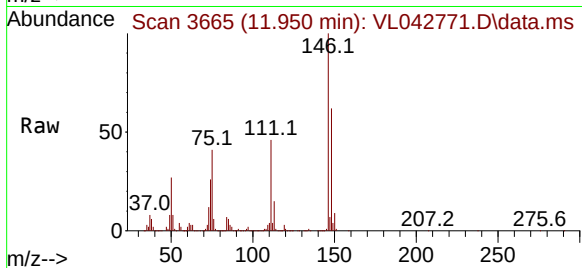
Tgt Ion:146 Resp: 349296

Ion Ratio Lower Upper

146 100

111 47.1 23.7 71.1

148 64.2 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 9.201 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

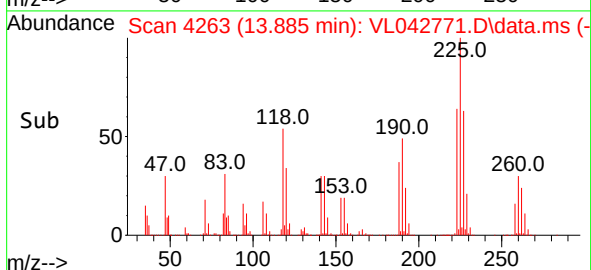
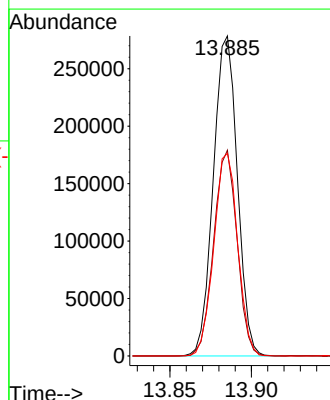
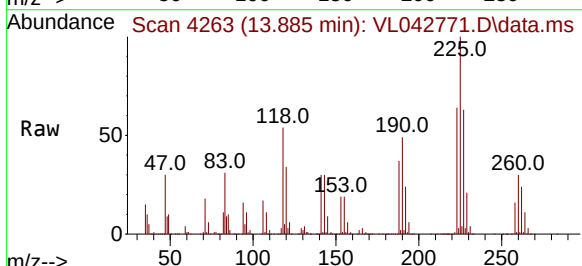
Tgt Ion:225 Resp: 285543

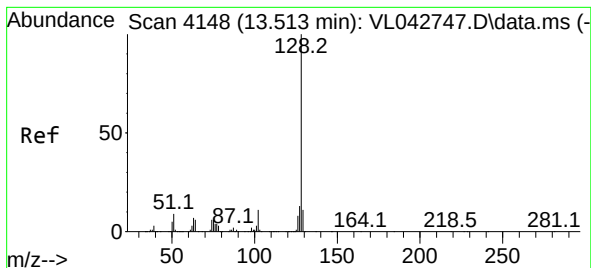
Ion Ratio Lower Upper

225 100

223 62.6 50.7 76.1

227 62.8 50.5 75.7





#79

Naphthalene

Concen: 10.167 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :

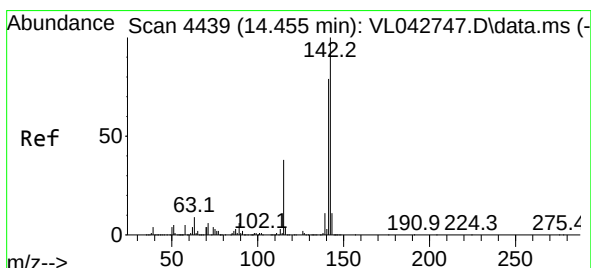
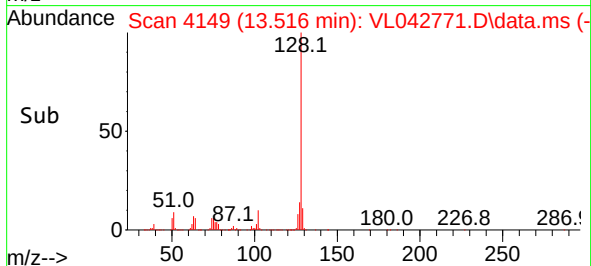
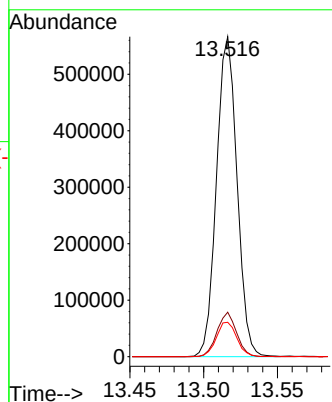
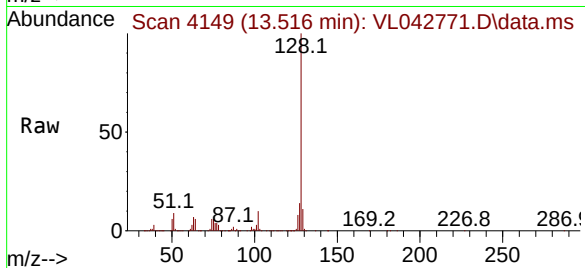
Tgt Ion:128 Resp: 549421

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 10.7 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 8.324 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.006 min

Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

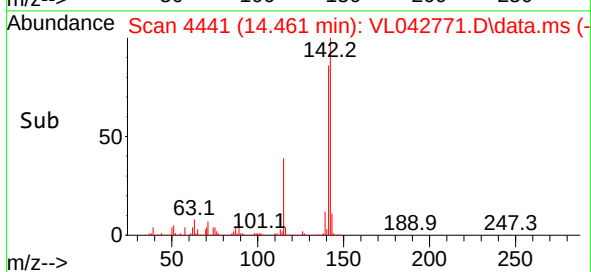
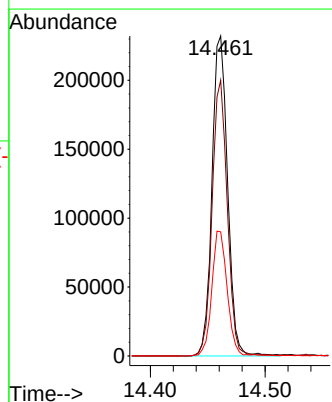
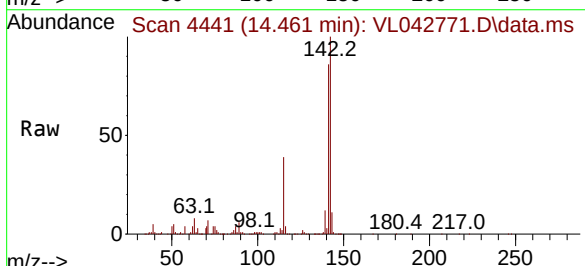
Tgt Ion:142 Resp: 219012

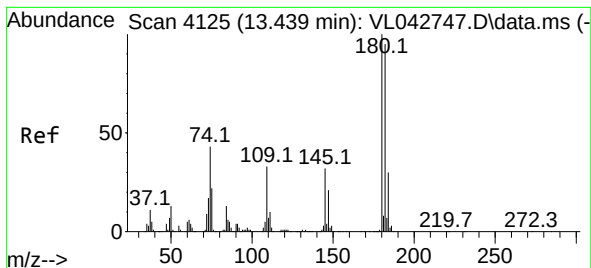
Ion Ratio Lower Upper

142 100

141 84.5 65.8 98.8

115 38.8 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.156 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

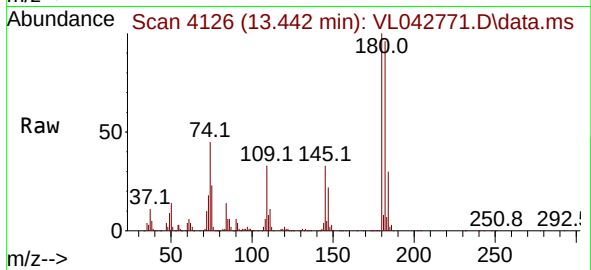
Lab File: VL042771.D

Acq: 24 Jul 2025 19:08

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 308441

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

184 30.4 24.8 37.2

